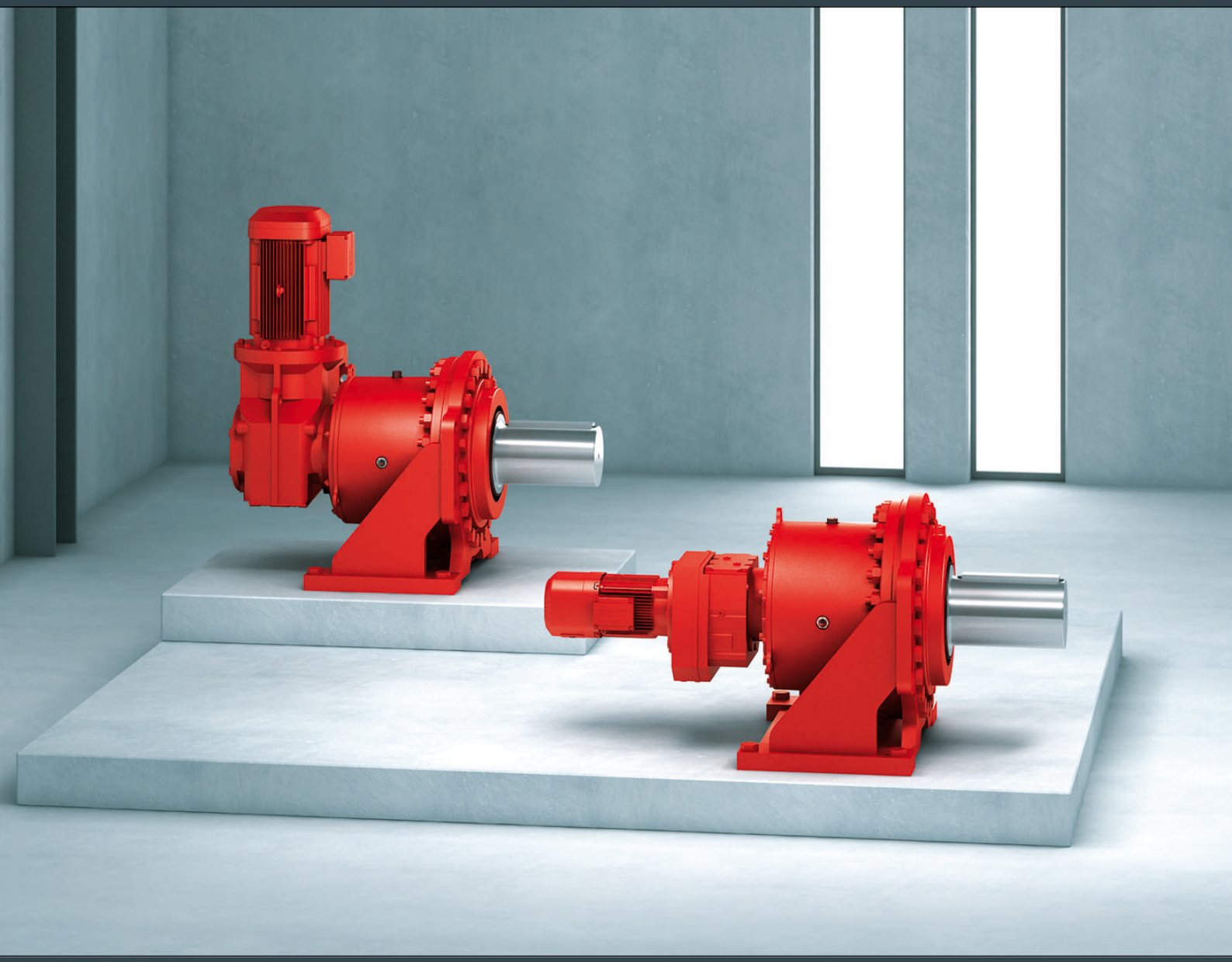
SEW EURODRIVE

Catalog



Industrial Gear Units

P.002 – P.102 Series Planetary Gearmotors

Torque Classes 24 – 631 kNm

Edition 11/2014

21216193/EN



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SEW EURODRIVE

1 Introduction

1.1 The SEW-EURODRIVE group of companies

1.1.1 Global presence

Driving the world – with innovative drive solutions for all industries and for every application. Products and systems from SEW-EURODRIVE are used all over the world. Be it in the automotive, building materials, food and beverage or metal-processing industry: The decision to use drive technology "made by SEW-EURODRIVE" stands for reliability for both functionality and investment.

We are represented in the most important branches of industry all over the world: with 14 manufacturing plants and 79 Drive Technology Centers worldwide as well as our customer support, which we consider an integrative service that continues our commitment to outstanding quality.

1.1.2 Always the right drive

The SEW-EURODRIVE modular concept offers millions of combinations. This wide selection enables you to choose the correct drive for all applications, each based on the required speed and torque range, available space, and ambient conditions. Gear units and gearmotors offering a unique and finely tuned performance range and the best economic prerequisites to meet your drive requirements.

The modular DR.. motor series includes the energy-efficient motor types IE1 to IE4 and was designed and constructed with all worldwide requirements for energy efficiency classes in mind. The DR.. motor easily met the requirements for approval and certification in all relevant countries. The energy-efficient drives achieve the highest efficiency in combination with SEW-EURODRIVE gear units.

The gearmotors are electronically enhanced by MOVITRAC® frequency inverters, MOVIDRIVE® drive inverters, and MOVIAXIS® multi-axis servo inverters – a combination that blends perfectly with the existing SEW-EURODRIVE program. As is the case with the mechanical systems, all development, production, and assembly is carried out entirely by SEW-EURODRIVE. In combination with our drive electronics, these drives provide the utmost in flexibility.

Products of the servo drive system, such as low backlash servo gear units, compact servomotors, or MOVIAXIS® multi-axis servo inverters ensure precision and dynamics. From single-axis or multi-axis applications to synchronized process sequences, servo drive systems from SEW-EURODRIVE enable flexible and customized implementation of your applications.

For economical, decentralized installations, SEW-EURODRIVE offers components from its decentralized drive system, such as MOVIMOT®, the gearmotor with integrated frequency inverter, or MOVI-SWITCH®, the gearmotor with integrated switching and protection function. SEW-EURODRIVE has developed hybrid cables to provide cost-effective functional solutions, irrespective of the system philosophy or scope. The latest developments from SEW-EURODRIVE: DRC.. electronic motor, MOVIGEAR® mechatronic drive system, MOVIFIT® decentralized drive controller, MOVIPRO® decentralized drive, positioning, and application controller, as well as MOVITRANS® system components for contactless energy transfer.

Power, quality, and robustness combined in a single standard product: with SEW-EURODRIVE, powerful movements are delivered by industrial gear units with high torques. The modular concept once again ensures optimum adaptation of industrial gear units to meet a wide range of different applications.

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1.1.3 Your ideal partner

Its global presence, extensive product range and broad spectrum of services make SEW-EURODRIVE the ideal partner for the machinery and plant construction industry when it comes to providing drive systems for demanding drive tasks in all industries and applications.

1.2 Products and systems from SEW-EURODRIVE

The products and systems by SEW-EURODRIVE are divided into the following product groups:

- Gearmotors and frequency inverters
- Servo drive systems
- Decentralized drive systems
- VARIOLUTION® and MAXOLUTION®
- Industrial gear units

Products and systems used in applications of several groups are listed in a separate group entitled "products and systems covering several product groups". Consult the following tables to locate the products and systems included in the respective product group:

Gearmotors and frequency inverters
Gear units / gearmotors
• Helical gear units/helical gearmotors • Parallel-shaft helical gear units / parallel-shaft helical gearmotors • Helical-bevel gear units / helical-bevel gearmotors • Helical-worm gear units / helical-worm gearmotors • SPIROPLAN® right-angle gearmotors • Drives for electrified monorail systems • Geared torque motors • Pole-changing gearmotors • Variable-speed gear units / variable-speed gearmotors • Aseptic gearmotors • ATEX-compliant gear units / gearmotors • ATEX-compliant variable-speed gear units / variable-speed gearmotors
Motors
• Asynchronous AC motors / AC brakemotors • Pole-changing AC motors / AC brakemotors • Energy-efficient motors • Explosion-proof AC motors / AC brakemotors • Torque motors • Single-phase motors / single-phase brakemotors • Asynchronous linear motors
Frequency inverters

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Gearmotors and frequency inverters

- MOVITRAC® frequency inverters
- MOVIDRIVE® drive inverters
- Control, technology and communication options for inverters

Servo drive systems

Servo gear units / servo gearmotors

- Low backlash planetary servo gear units / planetary gearmotors
- Low backlash helical-bevel servo gear units/helical-bevel gearmotors
- R, F, K, S, W gear units/gearmotors
- Explosion-proof servo gear units / servo gearmotors

Servomotors

- Asynchronous servomotors / servo brakemotors
- Synchronous servomotors / servo brakemotors
- Explosion-proof servomotors / servo brakemotors
- Synchronous linear motors

Servo drive inverters / servo inverters

- MOVIDRIVE® servo drive inverters
- MOVIAXIS® multi-axis servo inverter
- Control, technology and communication options for servo drive inverters and servo inverters

Decentralized drive systems

Decentralized drives

- DRC.. electronic motor / MOVIGEAR® mechatronic drive system
  - DBC – Direct Binary Communication
  - DAC – Direct AS-Interface Communication
  - DSC – Direct SBus Communication
  - SNI – Single Line Network Installation
- MOVIMOT® gearmotors with integrated frequency inverter
- MOVIMOT® motors / brakemotors with integrated frequency inverter
- MOVI-SWITCH® gearmotors with integrated switching and protection function
- MOVI-SWITCH® motors / brakemotors with integrated switching and protection function
- Explosion-proof MOVIMOT® and MOVI-SWITCH® gearmotors

Communication and installation

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Decentralized drive systems
• Fieldbus interfaces • Field distributors for decentralized installation • MOVIFIT® product range – MOVIFIT® FDC for controlling MOVIGEAR® and DRC.. drive units – MOVIFIT® MC for controlling MOVIMOT® drives – MOVIFIT® SC with integrated electronic motor switch – MOVIFIT® FC with integrated frequency inverter • MOVIPRO® product range – MOVIPRO® SDC decentralized drive and positioning control
Contactless energy transfer
MOVITRANS® system • Stationary components for energy supply • Mobile components for energy consumption • Line cables and installation material
VARIOLUTION® and MAXOLUTION®
• VARIOLUTION® packages for high technical solution expertise in plants and machines • MAXOLUTION® systems for customer-specific system solutions and plants
Industrial gear units
• Helical gear unit • Bevel-helical gear units • Planetary gear units
Products and systems covering several product groups
• Operator terminals • MOVI-PLC® drive-based control system • Components of the type "functional safety" • Diagnostic units

In addition to products and systems, SEW-EURODRIVE offers a comprehensive range of services. These include:

- Technical consulting
- Application software
- Seminars and training
- Extensive technical documentation
- Worldwide customer service

Visit our website at

www.sew-eurodrive.com

The website provides comprehensive information and services.

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1.3 Product names and trademarks

All product names included in this documentation are trademarks or registered trademarks of the respective titleholders.

1.4 Copyright

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2 Product description and overview of types

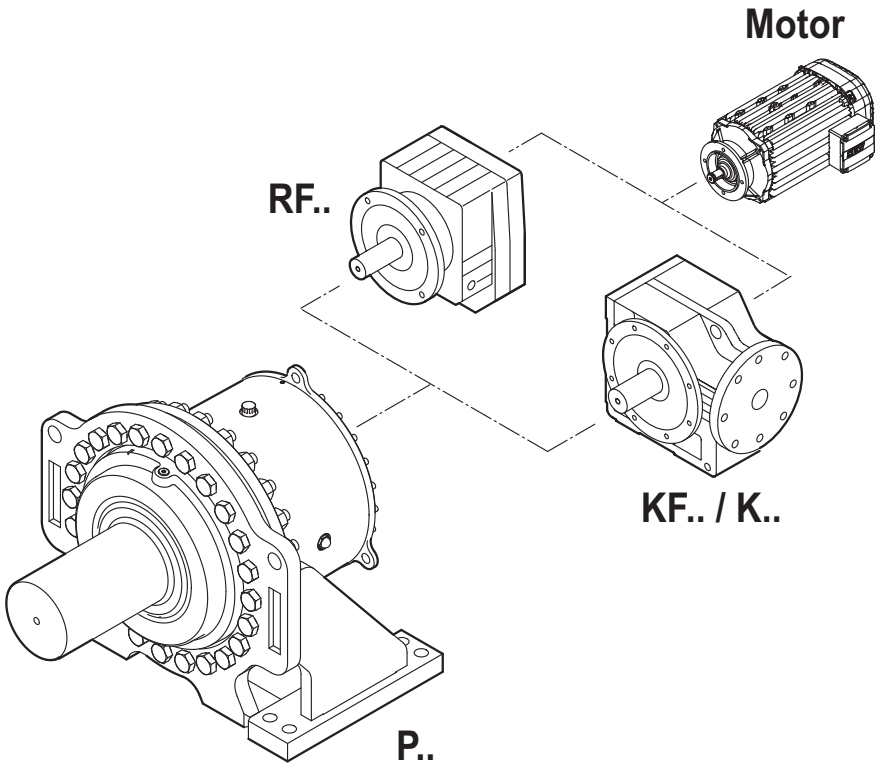
Planetary gearmotors are a combination of the following:

- Planetary gear unit P.. Output stage
- KF.. primary gear unit / K.. or RF..
- Mount-on components: Motor, coupling, adapter, and backstop

There are 11 sizes of planetary gear units with rated torques from 24 830 Nm to 631 300 Nm.

The load distribution to several planet wheels results in a significantly higher power density and consequently in smaller dimensions compared to helical and bevel-helical gear units.

The following figure shows a sample combination of a planetary gear unit, a primary gear unit and a motor.



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P..	Planetary gear unit
RF..	Helical gear units (flange-mounted)
KF.. / K..	Bevel-helical gear units (flange-mounted)

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2.1 Design features

Planetary gear units ...

- can transmit high torques
- are very compact
- offer a high degree of torsional rigidity

Primary gearmotors ...

- offer a large variance on the input side.
- are variable in the gear reduction range.
- can be combined with the planetary gear unit in helical or bevel designs.

2.2 Overview of advantages

- Perfectly matched units (gear unit and motor)
- Large range of options thanks to the SEW-EURODRIVE modular concept
- Short, compact design because there is no need for couplings and adapter flanges
- Standardized units, which means excellent price/performance ratio and short delivery times

2.3 Application areas

Planetary gearmotors are mainly used in applications where low output speeds and high torques are required.

For example:

- For drying processes in the construction materials industry
- For filling processes in the cement industry
- For slow-running material processing systems, e.g. mixers, rotary filters
- For all branches of industry with similar requirements
- For conveyor belts, e.g. apron conveyors
- In the food industry

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2.4 General information

2.4.1 Important information

Note the following points!

INFORMATION

- The illustrations in the catalog are examples. Final dimensions are available from SEW-EURODRIVE on request.
- The specified lubricant quantities are guide values only. Use the marks on the oil dipstick or oil level glass to determine the oil level.
- On delivery, the planetary gear units are ready for operation, but not filled with oil. However, it is possible to have the gear units delivered filled with oil. The RF.. / KF.. /K.. primary gear units are filled with lubricant at the factory depending on the mounting position.
- Oil viscosity and grade must comply with those specified on the nameplate.
- The specified weight data are guide values. The exact gear unit weight is given in the order-specific dimension sheet. The nameplate shows the weight of the basic gear unit including all mounted gear unit options.
- The buyer must provide protection against unintentional contact with moving parts. The applicable safety regulations of the country in which the unit will be used are to be followed.

2.4.2 Power and torque

The power and torque values listed in the catalogs apply to standard design and standard lubrication of the gearmotors under normal ambient conditions.

Please note that the motor power shown in the selection tables for gearmotors is subject to selection. However, the output torque and the desired output speed are essential for the application and need to be checked.

2.4.3 Speeds

The quoted output speeds of the gearmotors are recommended values. You can calculate the rated output speed based on the rated motor speed and the gear unit ratio. Please note that the actual output speed depends on the motor load and the supply system conditions.

2.4.4 Noise

The noise levels of all gearmotors and motors (brakemotors) are well within the maximum permitted noise levels set forth in ISO 8579-1 for gear units and EN 60034 for motors.

2.4.5 Painting

Geared motors and motors (brakemotors) are painted in "blue gray"/RAL 7031 as per DIN 1843 as standard. Special paint coatings are available on request.

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2.4.6 Weight information

INFORMATION

Please note that all weights shown in the catalog exclude the oil fill because the lubricant fill quantity depends on the mounting position.

2.4.7 Air admission and accessibility

The gearmotors/brakemotors must be mounted on the driven machine in such a way that both axially and radially there is enough space left for unimpeded air admission and for the purposes of maintenance of the brake. Please also refer to the notes in the motor dimension sheets.

2.4.8 Primary gearmotor

All the possibilities and restrictions specified in the SEW "Gearmotors" catalog apply.

2.4.9 Brakemotors

On request, motors and gearmotors can be supplied with an integrated mechanical brake. The SEW-EURODRIVE brake is an electromagnetic disk brake with a DC coil that releases electrically and brakes using spring force. Due to its operating principle, the brake is applied if the power fails. It meets the basic safety requirements. The brake can also be released mechanically if equipped with manual brake release. For this purpose, the brake is supplied with either a hand lever with automatic reset or an adjustable set screw. The brake is controlled by a brake controller that is either installed in the motor wiring space or in the control cabinet.

A characteristic feature of the brakes is their extremely short design. The brake endshield is a part of both the motor and the brake. The integrated construction of the SEW-EURODRIVE brakemotor permits particularly compact and sturdy solutions.

2.4.10 International markets

Upon request, we deliver motors with connection requirements according to CSA and NEMA guidelines (UL listed).

For the Japanese market, we offer motors conforming to JIS standard. Contact your sales representative to assist you in such cases.

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2.5 Sizes, torque ratings

In addition to the already known gear unit project planning with infinite fatigue strength (referring to gearing according to DIN 3990), it is now also possible to select a gear unit with defined service life. This results in a size-specific torque increase. For gear units in explosion-proof design only a gear unit project planning with infinite fatigue strength is possible.

The nominal output torque ratings are listed in the table below.

Size	Service life factor f_{LC}											$M_{N2\,Lim}$ [Nm]
	≤ 7.5	≤ 15	≤ 25	≤ 30	≤ 35	≤ 45	≤ 52.5	≤ 70	≤ 95	≤ 107.5	> 107,5[1]	
	M_{N2}											
P.002	29 200	26 300									24 830	49 660
P.012	46 200	41 600	38 500								36 810	73 620
P.022	64 200	60 100	55 600	54 200	54 200	54 200	54 200	54 200	54 200		51 190	102 380
P.032	86 800	84 900	78 600	76 600	76 600	76 600	76 600	76 600	76 400	73 700	69 620	139 240
P.042	111 000	111 000	103 200								100 170	200 340
P.052	140 600	134 500									124 060	248 120
P.062	209 100	201 400									185 660	371 320
P.072	274 600	274 600	264 500	257 300	256 400	256 400	256 400				245 660	491 320
P.082	397 100	397 100	397 100	383 500							359 400	718 800
P.092	513 900	513 900	488 900	476 200	476 200	446 300					423 000	846 000
P.102	631 300	630 800	572 300	541 800	517 300						500 000	1 000 000

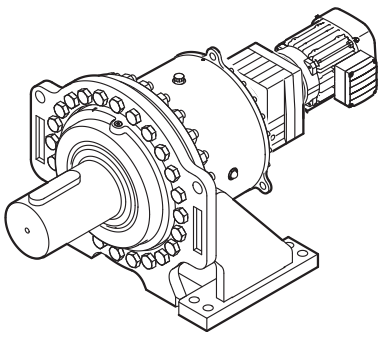
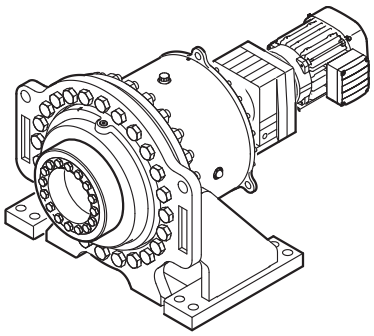
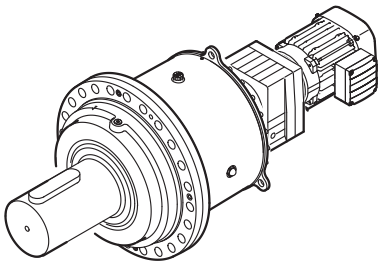
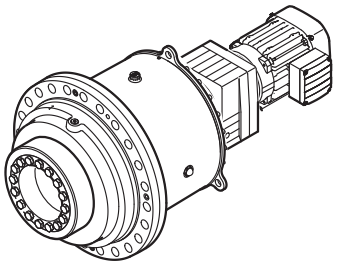
1) Gearing with high fatigue strength (referring to DIN 3990)

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2.6 Basic designs of the planetary gearmotors

2.6.1 P..RF.. helical-planetary gearmotors

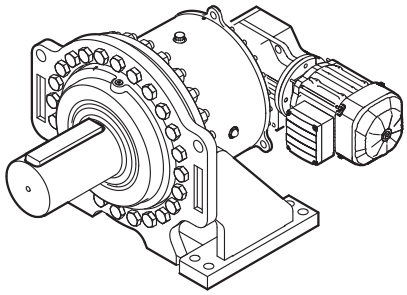
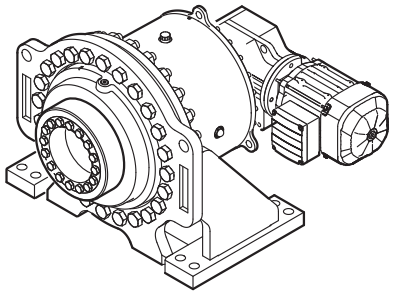
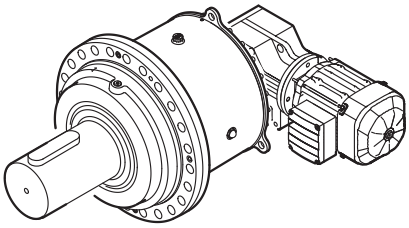
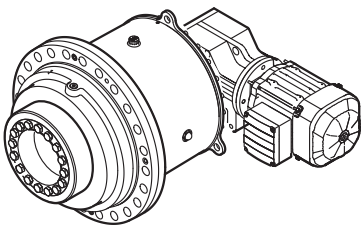
The following types of planetary gearmotors are available:

 *9007205553330827*	**P..RF.. DR..** Foot-mounted helical-planetary gearmotor
 *9007205553332491*	**PH..RF.. DR..** Foot-mounted helical-planetary gearmotor with hollow shaft and shrink disk
 *9007205553334155*	**PF..RF.. DR..** Flange-mounted helical-planetary gearmotor
 *9007205553335819*	**PHF..RF.. DR..** Flange-mounted helical-planetary gearmotor with hollow shaft and shrink disk

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2.6.2 P..KF.. bevel-planetary gearmotors / P..K..

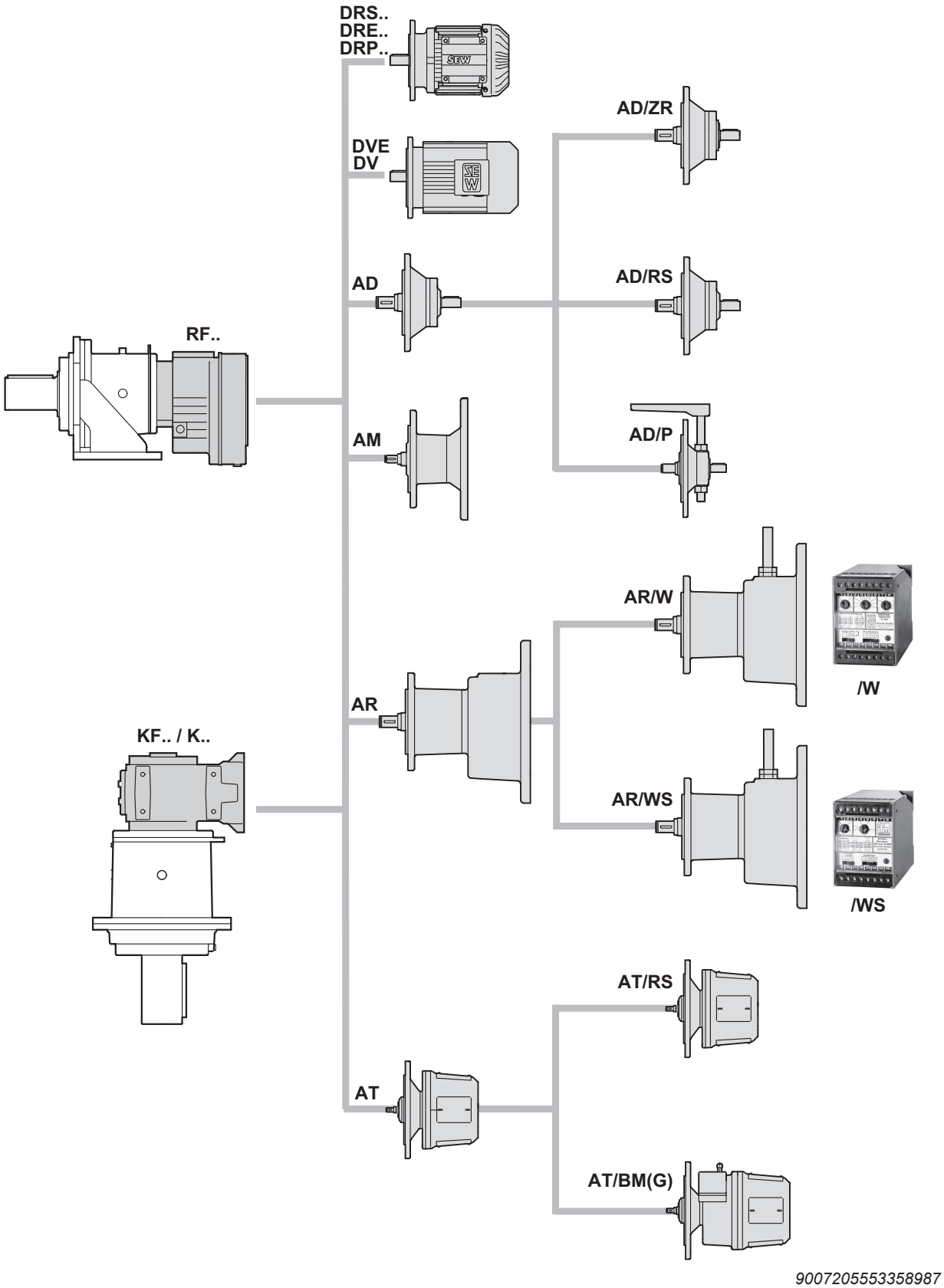
The following types of planetary gearmotors are available:

 *9007205553351307*	**P..KF.. DR.. / P..K.. DR..** Foot-mounted bevel-planetary gearmotor
 *9007205553352971*	**PH..KF.. DR.. / PH..K.. DR..** Foot-mounted bevel-planetary gearmotor with hollow shaft and shrink disk
	**PF..KF.. DR.. / PF..K.. DR..** Flange-mounted bevel-planetary gearmotor
	**PHF..KF.. DR.. / PHF..K.. DR..** Flange-mounted bevel-planetary gearmotor with hollow shaft and shrink disk

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2.6.3 Components on the input side

The following figure shows the components on the input end.

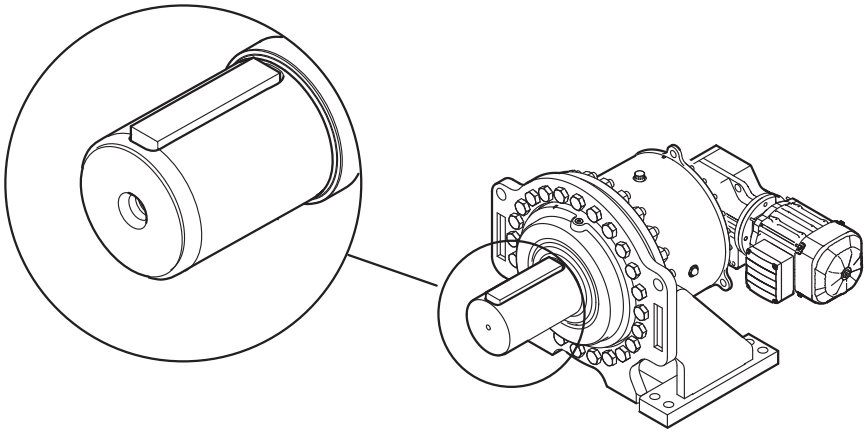


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2.6.4 Output shaft variants

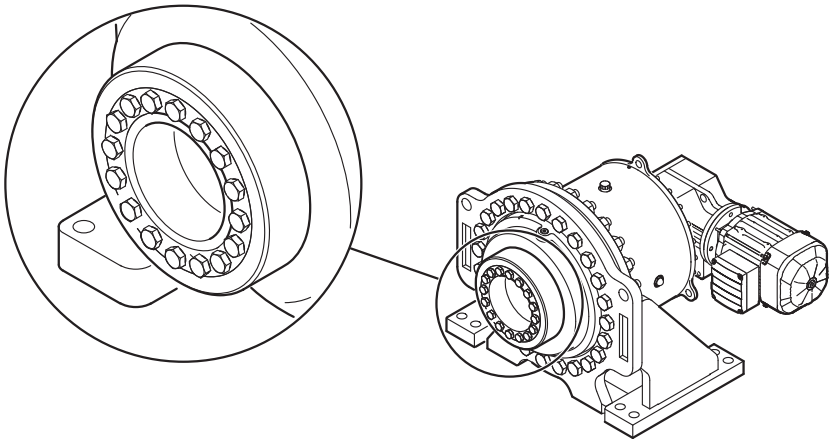
The [LSS] output shaft of the planetary gearmotor can have the following design as standard:

- Solid shaft with key



6298620683

- Hollow shaft with shrink disk



6298622347

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2.7 Type designations for gear units and options

2.7.1 P..RF.. helical-planetary gear units

Designation	
P..RF..	Foot-mounted, solid shaft
PH..RF..	Foot-mounted, hollow shaft with shrink disk
PF..RF..	Flange-mounted, solid shaft
PHF..RF..	Flange-mounted, hollow shaft with shrink disk

2.7.2 P..KF.. bevel-planetary gear units / P..K..

Designation	
P..KF.. / P..K..	Foot-mounted, solid shaft
PH..KF.. / PH..K..	Foot-mounted, hollow shaft with shrink disk
PF..KF.. / PF..K..	Flange-mounted, solid shaft
PHF..KF.. / PHF..K..	Flange-mounted, hollow shaft with shrink disk

2.7.3 Additional features of gear units

Designation	
/T	With torque arm

2.7.4 Input shaft assembly

Designation	
AD	Input shaft assembly
.../P	With motor platform
.../RS	With backstop
.../ZR	With centering shoulder

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2.7.5 Adapter

Designation	
AM	Adapter for mounting IEC/NEMA motors
AQ	Adapter for mounting servomotors
AT	Adapter with hydraulic start-up coupling
.../RS	And backstop
.../BM(G)	And disk brake
.../HF	With manual brake release, lockable
.../HR	With manual brake release with automatic re-engaging function

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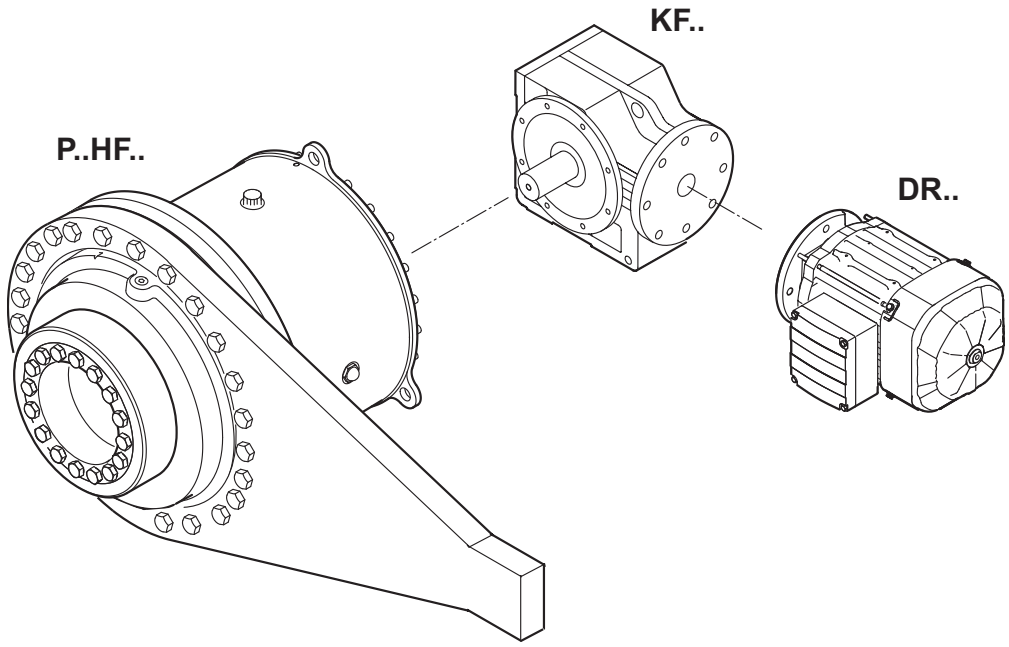
2.8 Type designation

The type designation of the gearmotor starts from the component on the output end.

2.8.1 Example: Type designation for a PHF.. planetary gear unit with KF.. primary gear unit

The type designation of the gear unit is structured as follows:

Example: PHF/T032 KF97 DRE160M4		
Planetary gear unit	P	Gear unit type
	H	Hollow shaft
	F	Flange-mounted design
	/T	Torque arm
	032	Gear unit size
Primary gear unit	KF	Series
	97	Gear unit size
Motor	DRE	Series
	160M4	Size + number of poles



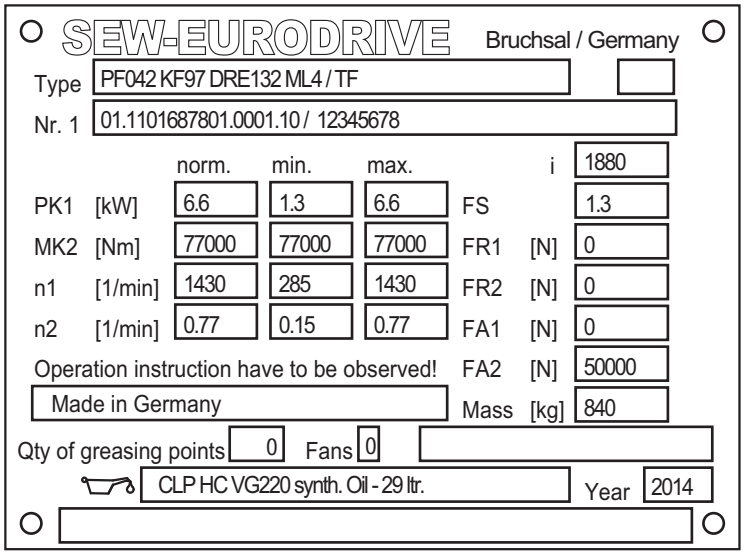
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2.9 Nameplate

2.9.1 Planetary gear units

The following example shows the structure of the nameplate.



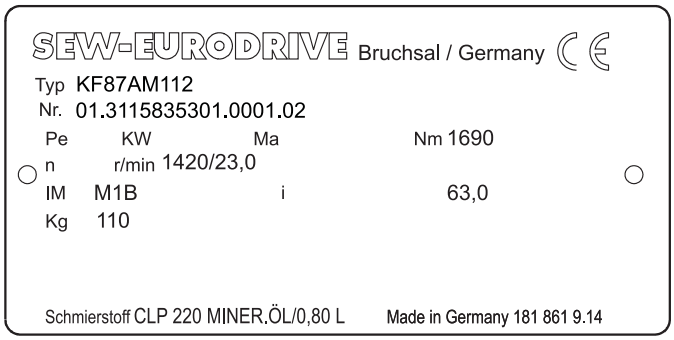
27021601083231755

Type		Type designation
Nr. 1		Manufacturing number
P_{K1}	[kW]	Operating power on the input shaft (HSS)
M_{K2}	[Nm]	Gear unit output torque
n_1	[rpm]	Input speed (HSS)
n_2	[rpm]	Output speed (LSS)
norm.		Normal operating point
min.		Operating point at minimum speed
max.		Operating point at maximum speed
i		Exact gear unit ratio
F_S		Service factor
F_{R1}	[N]	Actual overhung load on input shaft
F_{R2}	[N]	Actual overhung load on output shaft
F_{A1}	[N]	Actual axial load on input shaft
F_{A2}	[N]	Actual axial load on utput shaft
Mass	[kg]	Weight of the gear unit
Qty of greasing points		Number of regreasing points
Fans		Number of installed fans
		Oil grade and viscosity class / oil quantity
Year		Year of manufacture
IM		Mounting position and mounting surface

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2.9.2 KF.. primary gear unit

The following example shows the structure of the nameplate.



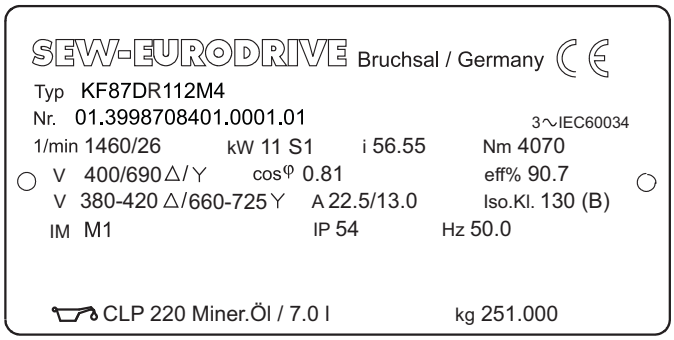
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Type		Type designation
Type		Type designation
No.		Serial number of primary gear unit
Pe	[kW]	Input power of the gear unit
Ma	[Nm]	Output speed
n	[rpm]	Input/output speed
IM		Mounting position
i		Gear ratio
Kg	[Kg]	Weight

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2.9.3 RF../KF.. primary gear unit as gearmotor

The following example shows the structure of the nameplate.



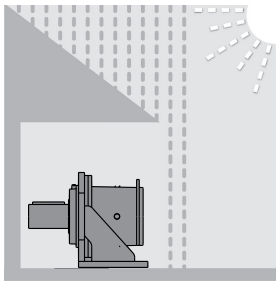
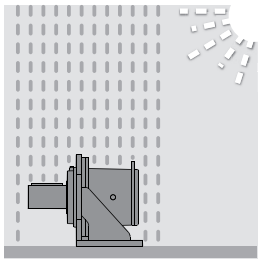
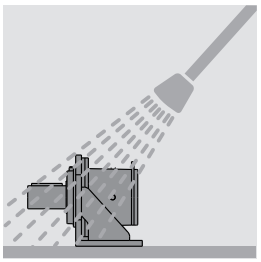
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Type		Type designation
Type		Type designation
No.		Serial number of primary gear unit
i		Gear ratio
rpm		Input/output speed
Nm		Output torque
kW		Input power of the gear unit
S1		Operating mode
cos φ		Power factor of the motor
V		Connection voltage in delta/star connection
A		Rated motor current in delta/star connection
Hz		Line frequency
IM		Mounting position
Kg		Weight of the primary gearmotor
IP		Degree of protection of the motor
Brake		Brake connection voltage
Nm		Braking torque
		Oil grade and viscosity class / oil quantity

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2.10 Coating and surface protection systems

The following table gives an overview of coating and surface protection systems.

SEW design	OS 1 Low environmental pollution	OS 2 Medium environmental pollution	OS 3 High environmental pollution
Use as surface protection with typical ambient conditions Corrosion categories DIN EN ISO 12944-2	 *4191026699* Suited for environments prone to condensation and atmospheres with low humidity or contamination, such as outdoor applications under roof or with protection, unheated buildings where condensation can build up. According to corrosivity category: C2 (low)	 *4191028875* Suited for environments with high humidity or moderate atmospheric contamination, such as applications outdoors subject to direct weathering. According to corrosivity category: C3 (moderate)	 *4191031051* Suitable for environments with high humidity and occasionally severe atmospheric and chemical contamination. Occasionally acidic or caustic wet cleaning. Also for applications in coastal areas with moderate salt load. According to corrosivity category: C4 (high)
Sample applications	• Systems in saw mills • Agitators and mixers	• Applications in gravel plants • Cable cars	• Port cranes • Sewage treatment plants • Mining applications
Condensation test ISO 6270	120 h	120 h	240 h
Salt spray test ISO 7253	–	240 h	480 h
Top coat color[1)]	RAL 7031	RAL 7031	RAL 7031
Color according to RAL	Yes	Yes	Yes
Uncoated parts, shaft end/ flanges	Water and hand perspiration repelling anticorrosion agent applied at the factory for external preservation		

1) Standard color

INFORMATION

Sheet metal parts (e.g. protection covers, fan guard) are painted in RAL 1003.

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2.11 Storage and transport conditions

The gear units can be provided with the following protection and packaging types depending on the storage and transport conditions.

2.11.1 Internal conservation

Standard corrosion protection

After the test run, the test oil fill is drained out of the gear unit. The remaining oil film protects the gear unit against corrosion for a limited period of time.

Long-term corrosion protection

After the test run, the test oil fill is drained out of the gear unit and the interior space is filled with a vapor phase inhibitor. The breather filter is replaced by a screw plug and enclosed with the gear unit.

2.11.2 Exterior corrosion protection

The following measures are taken for exterior corrosion protection:

- Anti-corrosion agent is applied to bare, non-painted functional surfaces of shafts, flanges, mounting and foot surfaces of the housing. Remove it only using an appropriate solvent which is not harmful to the oil seal.
- Small spare parts and loose pieces, such as bolts, nuts, etc., are packed in corrosion protection plastic bags (VCI corrosion protection bags).
- Threaded holes and blind holes are covered by plastic plugs.



INFORMATION

- If the gear unit is stored longer than six months, regularly check the protective coating of unpainted areas as well as the paint coating. Areas in which the protective coating and/or painting has been damaged may have to be repainted.

2.11.3 Packaging

Standard packaging

The gear unit is delivered on a pallet, securely attached and without cover.

Use: Transportation by land

Long-term packaging

The gear unit is delivered in a wooden box that is also appropriate for sea transport.

Use: Sea transport and/or for long-term storage

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2.11.4 Storage conditions

INFORMATION

- During storage up to startup, the gear unit must be stored in a shock-free manner to prevent damage to the rolling bearing races!
- The output shaft must be rotated at least one full rotation every 6 months so that the position of the rolling elements in the bearings of the input and output shafts changes.
- The gear units are delivered without oil; different protection systems are required depending on the storage period and storage conditions as shown in the table below.

Corrosion protection + packaging	Storage location	Storage duration
Standard corrosion protection + Standard packaging	Under roof and enclosed at constant temperature and atmospheric humidity (5 °C < ϑ < 60 °C, < 50% relative humidity). No sudden temperature fluctuations. Controlled ventilation with filter (free from dust and dirt). No aggressive vapors, no shocks.	Max. 6 months with intact surface protection.
Long-term corrosion protection + Standard packaging	Under roof and enclosed at constant temperature and atmospheric humidity (5 °C < ϑ < 60 °C, < 50% relative humidity). No sudden temperature fluctuations. Controlled ventilation with filter (free from dust and dirt). No aggressive vapors, no shocks.	Max. 3 years with regular inspection and checking for intactness.
Long-term corrosion protection + Long-term packaging	With roof, protected against rain and shocks.	Max. 3 years with regular inspection and checking for intactness.

INFORMATION

If stored in tropical zones, provide for sufficient protection against insect damage. Contact SEW-EURODRIVE for differing requirements.

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2.12 DR.. series primary gearmotor

The motors of the DR.. series comply with all international standards and meet the new requirements of the IEC motor standard already today.

The planetary gear units can be combined with three variants of energy-efficient motors (IE1, IE2 and IE3). These are shown in the following table.

IE1 motor standard: Standard efficiency
• Improved levels of efficiency • **DRS..** type AC motors (Standard motor) • Copper or aluminum die-cast rotor cage

IE2 motor standard: High efficiency
• High levels of efficiency • **DRE..** type AC motors (energy-efficient motors) • Copper or aluminum die-cast rotor cage

IE3 motor standard: Premium Efficiency
• Extremely high levels of efficiency • **DRP..** type AC motors (energy-efficient motors) • Copper or aluminum die-cast rotor cage

Observe the following information:

INFORMATION

- As the auxiliary drive is typically not used for continuous duty, the motor is stamped with S2 duty cycle according to the intended use. This means that an IE1 motor can also be used in countries where an IE1 motor in S1 operation is no longer permitted due to efficiency regulations. Please consult SEW-EURODRIVE in such cases.
- The SEW homepage (www.sew-eurodrive.com) provides further information regarding the DR.. motor series. If you are unclear about any of the information in this documentation, or if you require further information, consult SEW-EURODRIVE.
- DR.. motor combinations with planetary gear units are listed in the selection tables, see chapters "P.RF.. helical-planetary gearmotors (→ 🗎 91) and P.KF.. bevel-planetary gearmotors (→ 🗎 245).
- For dimensions for the DRS.., DRE.., DRP.. motor series, refer to the dimension sheets, see chapters P.RF.. dimension sheets and P.KF.. dimension sheets.

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2.13 Sealing system

2.13.1 Standard

As standard, radial oil seals according to DIN 3770 with AS shape (with dust lip) are used in planetary gearmotors.

2.13.2 Option

If high demands are placed on the sealing system, e.g. high dust load with abrasive particles at the place of operation, a labyrinth seal is used to protect the radial oil seal. In this sealing variant, only one radial oil seal is used irrespective of the mounting position. The grease-filled labyrinth protects the oil seal from dirt.

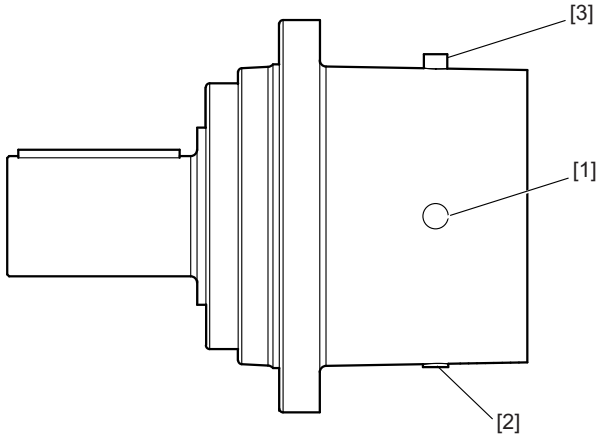
2.14 Lubrication types

There are two lubrication types that are described on the following pages.

- **Splash lubrication** for gear units in horizontal mounting positions (M1/M3/M5/M6)
- **Oil bath lubrication** for gear units in vertical mounting positions (M2/M4)

2.14.1 Splash lubrication for horizontal mounting positions (M1/M3/M5/M6):

The gear unit is half filled with oil. Gearing and bearing parts that are not immersed in the oil bath are lubricated by splashing oil. The oil level is checked at the oil sight glass [1] on the housing gear rim. Oil is filled in via the breather valve [3].



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[1] Oil sight glass
[2] Oil drain plug
[3] Breather valve

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2.14.2 Option oil drain valve for horizontal mounting positions (M1/M3/M5/M6)

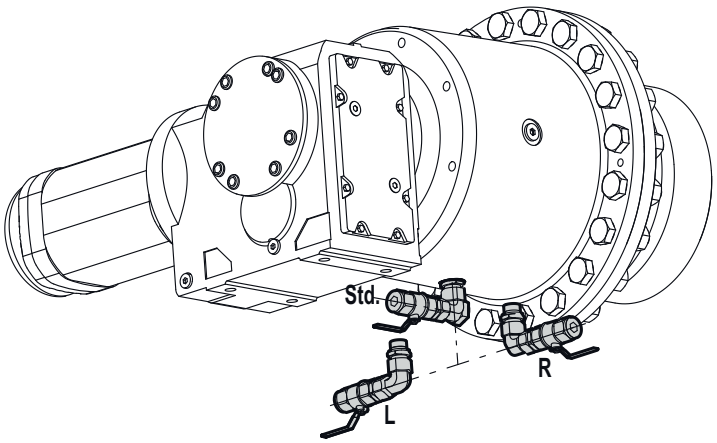
In addition to the standard oil drain plug, SEW-EURODRIVE offers the oil drain valve option. Observe the variants that are described below.

INFORMATION

For some small foot-mounted gear unit sizes, the installation of an oil drain valve is not possible or only possible with restrictions due to limited space. Please contact SEW-EURODRIVE.

Position of the oil drain valve

The following figure shows the installation options of the oil drain valve.

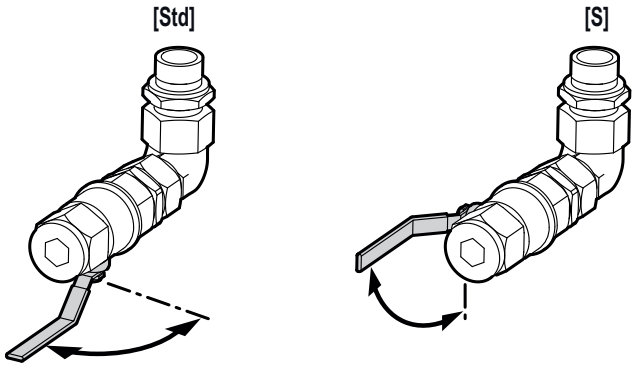


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Std = Standard
R = Right
L = Left

Position of the lever

The following figure shows the possible positions of the lever.



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Std = Standard
S = On the side

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2.14.3 Oil bath lubrication for vertical mounting positions (M2/M4):

The gear unit is (nearly completely) filled with oil. All tooth engagement or bearing points are immersed in the oil bath completely or partly.

INFORMATION

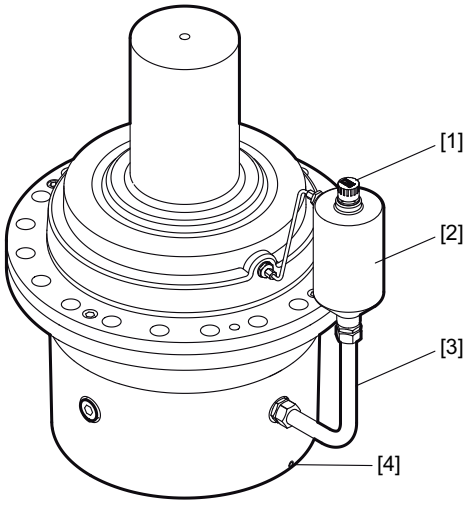
- Any deviations from the standard mounting positions, standard temperature ranges or standard primary gear units must be clarified with SEW-EURODRIVE first.
- If there is little space available for installing the oil expansion tank (M2 mounting position) or the oil riser pipes (M4 mounting positions), you can request an order-specific dimension drawing from SEW-EURODRIVE.
- See chapters 10.6/10.7 and 11.6/11.7 for detailed dimensions of the oil expansion tank/oil riser pipe.

Mounting position M2

Gear unit with oil expansion tank have the following characteristics:

- The oil expansion tank [2] serves as volume compensation.
- The oil level is checked by means of a combined oil dipstick with breather valve [1].
- Oil is filled in via the oil expansion tank.

Sizes **P.002 - P.082**:

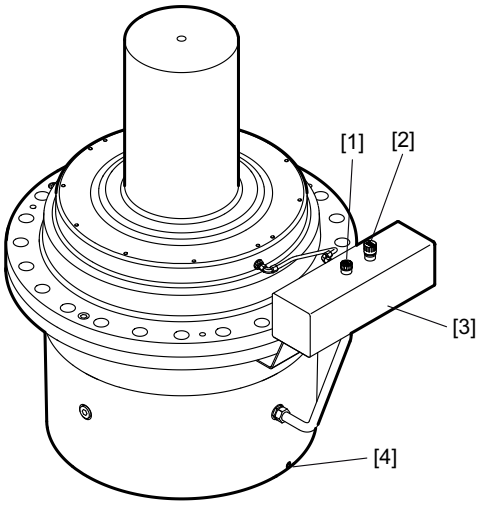


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[1]	Oil dipstick with breather plug	[3]	Riser pipe
[2]	Oil expansion tank	[4]	Oil drain plug

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Sizes **P.092 - P.102**:



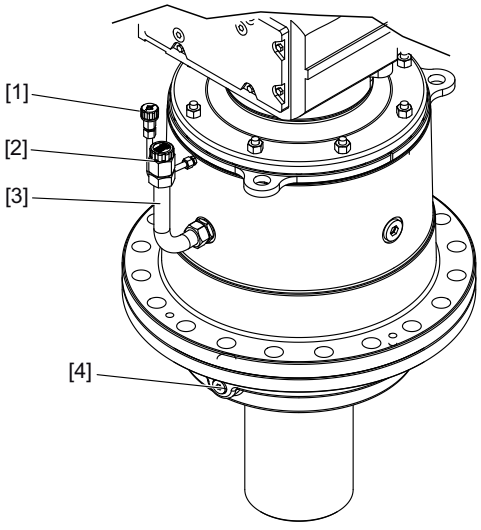
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[1]	Oil dipstick	[3]	Oil expansion tank
[2]	Breather plug	[4]	Oil drain plug

Mounting position M4

Gear unit without oil expansion tank have the following characteristics:

- The oil level is checked with an oil dipstick [2].
- A separate breather valve [1] is used.
- Oil is filled in via the riser pipe [3].



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[1]	Breather valve	[3]	Riser pipe
[2]	Oil dipstick	[4]	Oil drain plug

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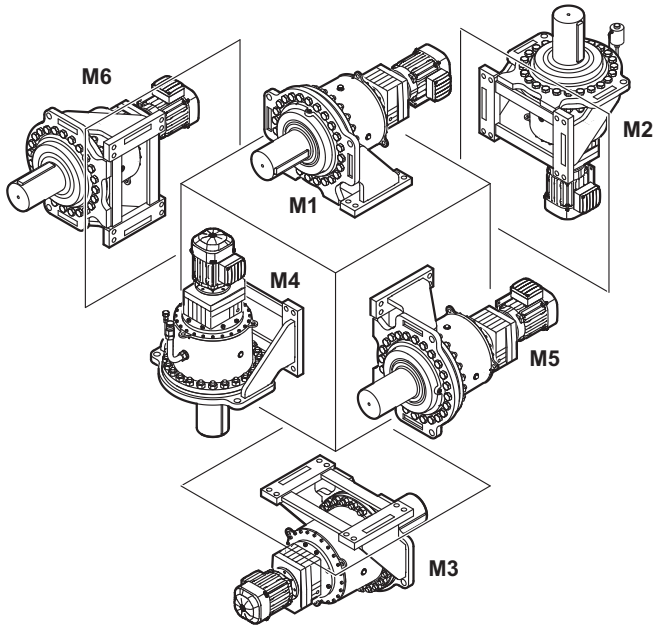
3 Mounting positions

3.1 Standard mounting position

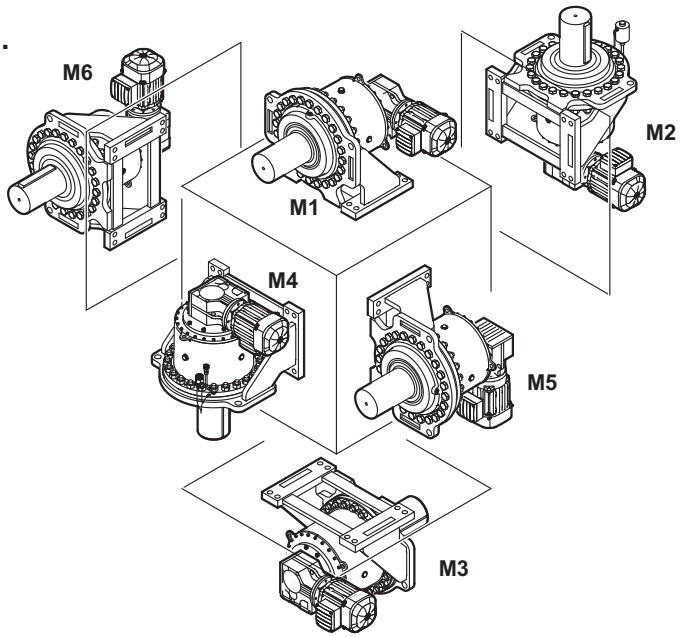
The mounting position defines the spatial orientation of the gear unit housing and is designated **M1...M6**. The mounting positions apply to planetary gear units with solid shafts and hollow shafts.

For mounting position M2, an oil expansion tank is necessary. Mounting position M4 requires a riser pipe. For dimensions, refer to the dimension sheets in sections 10.6 and 11.6.

P..RF..



P..KF..



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3.2 Pivoted mounting positions and variable mounting positions

Mounting positions other than standard mounting positions are referred to as pivoted or variable mounting positions.

Gear units with pivoted mounting position have a **fixed** mounting position that differs from the standard.

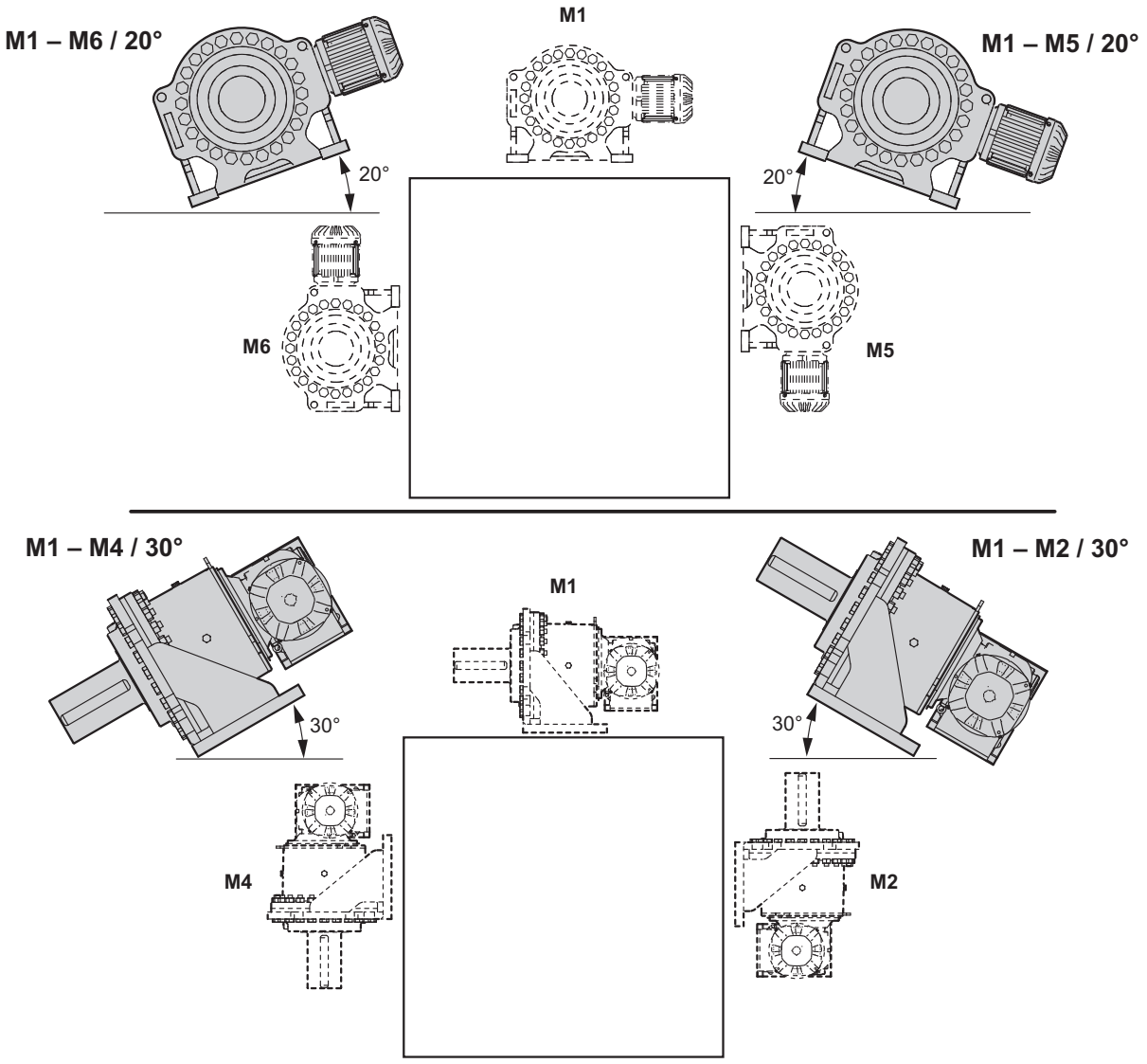
Gear units with variable mounting position can change the mounting position **variably** during operation within the specified range.

The designation is set up as follows:

M1 - M2/20°/V
[1] [2] [3] [4]

[1] Initial mounting position
[2] Required mounting position
[3] Pivoting angle
[4] F = Fixed final position; V = Variable final position

The following figure shows 4 examples:



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All final positions have to be specified if the mounting position of the gear unit deviates from standard mounting positions in several directions. Fixed and variable final positions can be combined.

Example of a gear unit based on mounting position M1 that is tilted by ±20° around the output shaft during operation and is mounted in a fixed angle of 30° around the longitudinal axis:

M1 - M2/20°/V - M4/20°/V - M5/30°/F

INFORMATION

Pivoted and variable mounting positions might involve restrictions concerning accessories and technical data. Also, delivery times might be longer. Consult SEW-EURODRIVE.

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3.3 Mounting position sheets

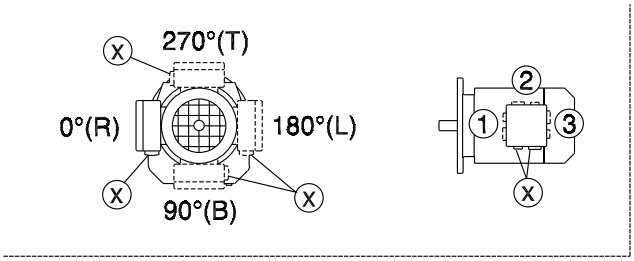
3.3.1 Key to the mounting position sheets

The table shows the icons and their meanings for the mounting position sheets on the following pages:

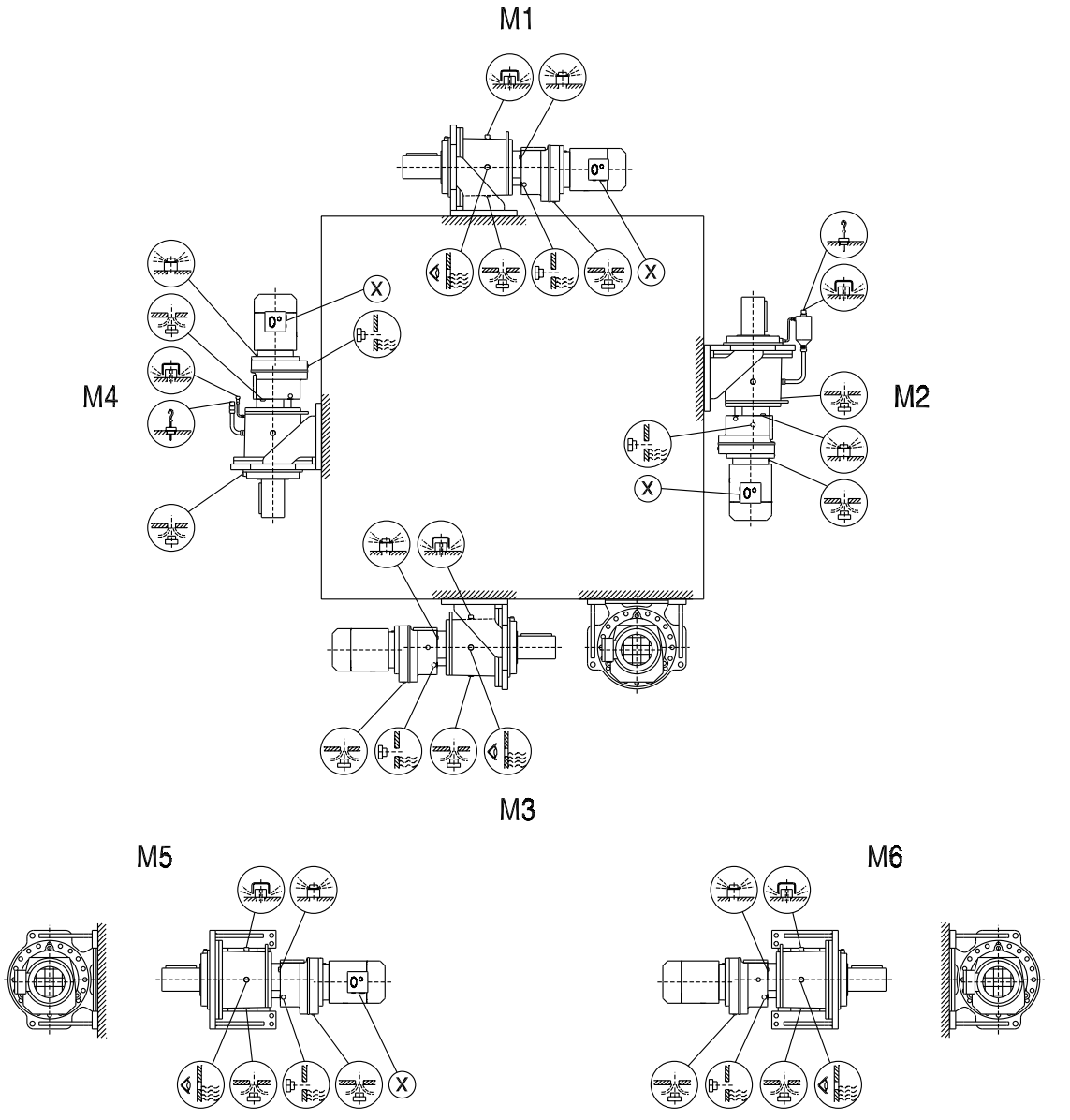
Icon	Meaning
	Breather valve
	Oil level plug
	Oil drain plug
	Breather
	Oil dipstick
	Oil sight glass

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3.3.2 P..RF..

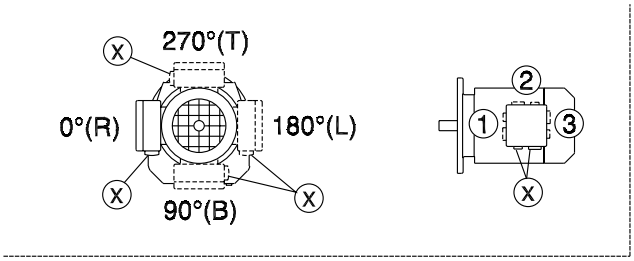


45 129 00 08

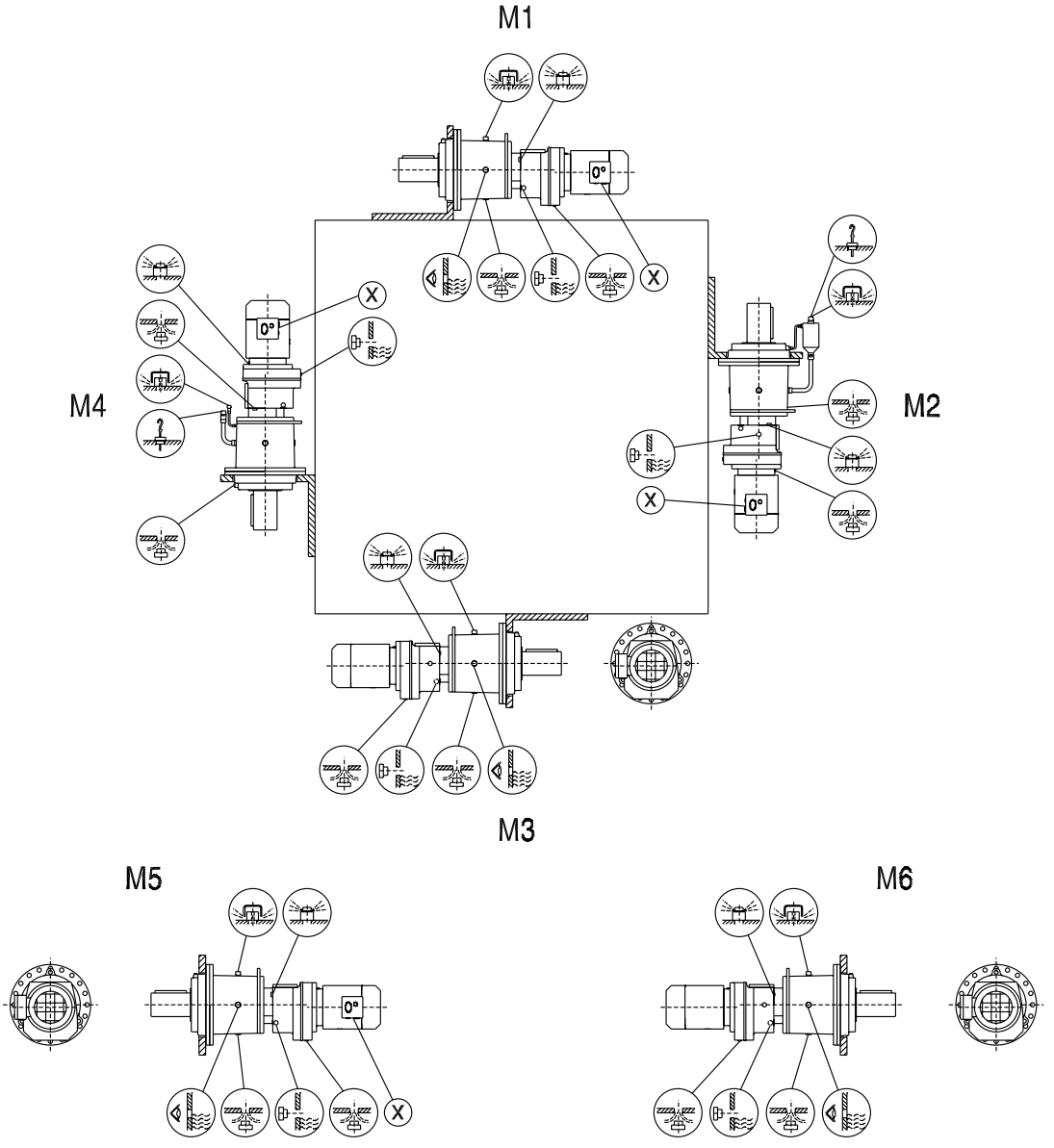


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3.3.3 PF..RF..



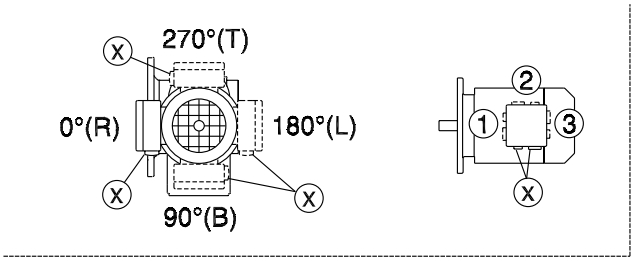
45 130 00 08



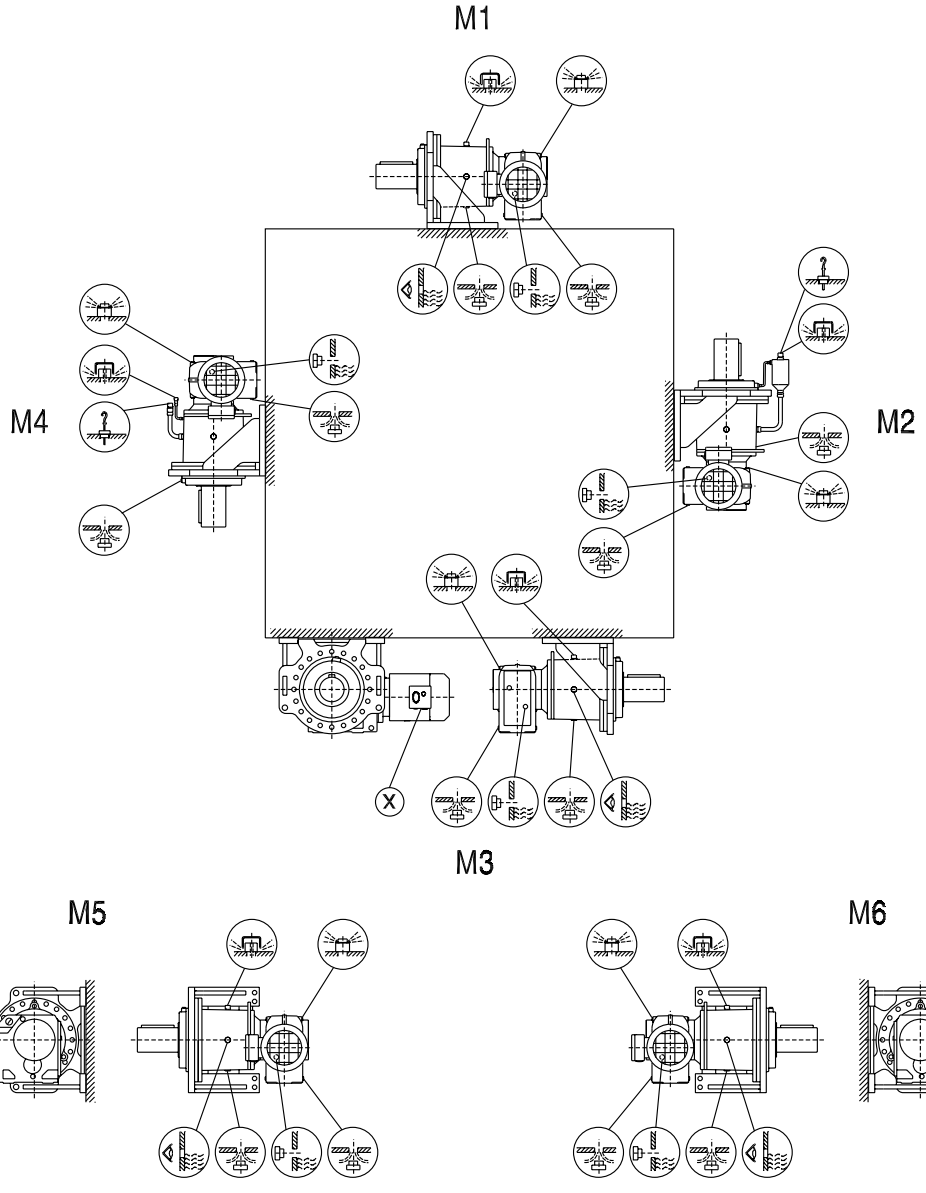
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3.3.4 P..KF..

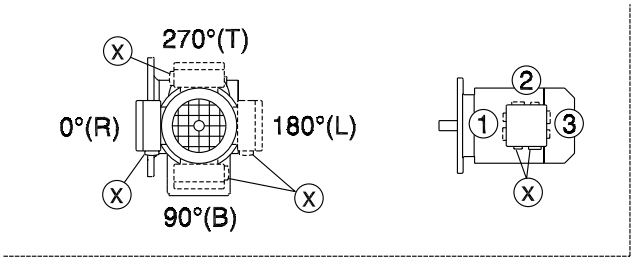


45 131 00 08

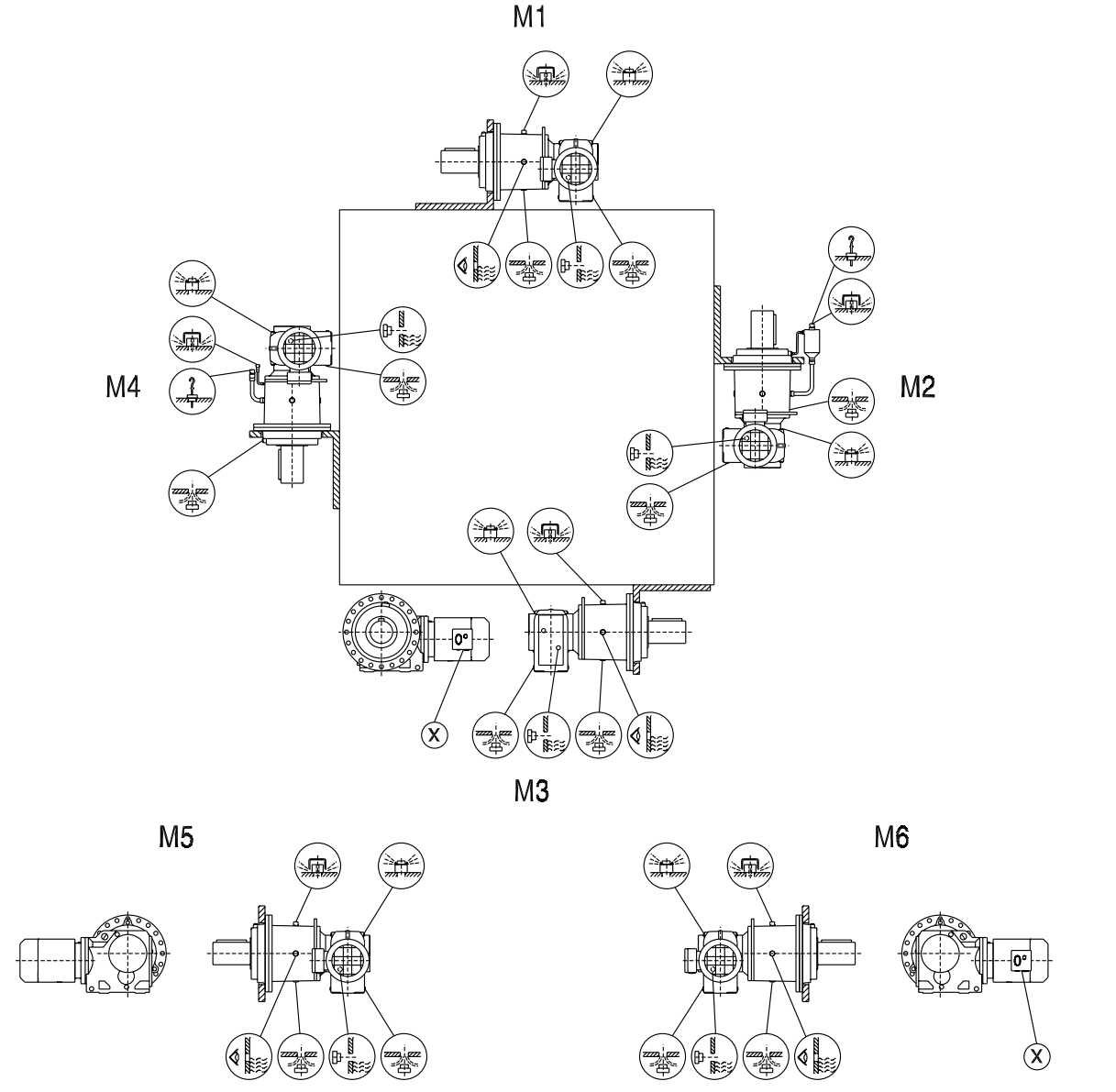


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3.3.5 PF..KF..



45 132 00 08



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4 Important order information

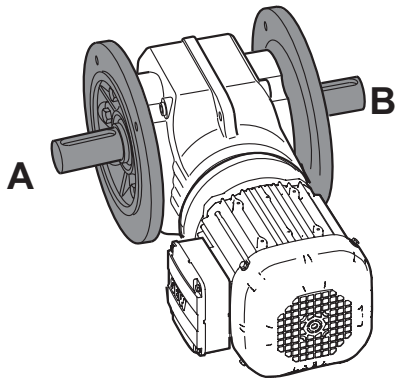
4.1 For all gearmotors

The following order information is required for planetary gearmotors in addition to the mounting position for an accurate configuration of the drive.

4.2 Mounting position of KF.. bevel-helical primary gear units

For the primary bevel gear units KF.., the positions **0°**, **90°**, **180°** or **270°** must be defined.

Also define the position of the mounting flange on the **A** or **B** side.



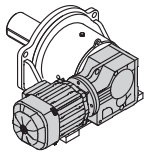
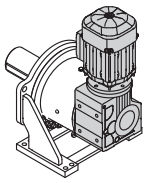
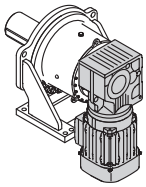
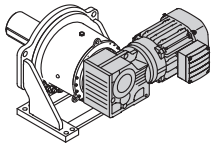
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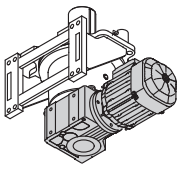
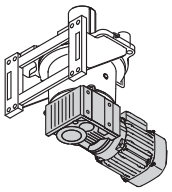
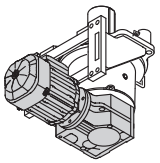
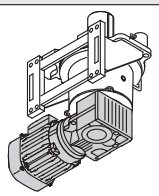
To reduce the churning losses in the primary gear unit to a minimum, SEW-EURODRIVE recommends that you choose one of the standard mounting positions shown below.

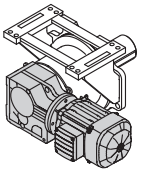
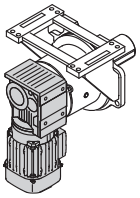
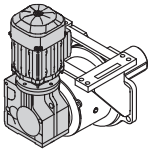
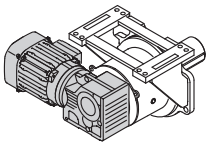
INFORMATION

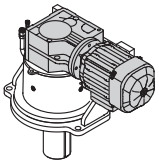
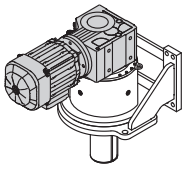
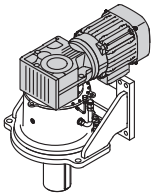
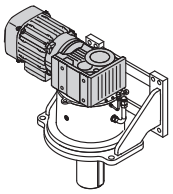
Contact SEW-EURODRIVE in case of deviating mounting conditions.

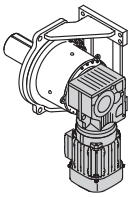
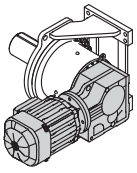
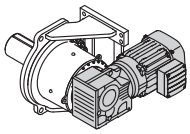
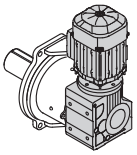
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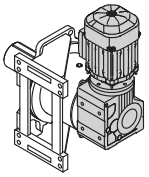
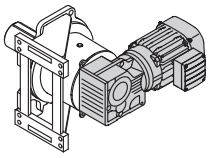
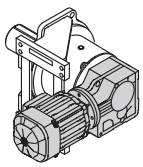
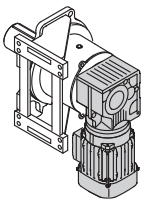
M1	
0° A	270° A
	
90° A	180° B
	

M2	
0° A	270° A
	
90° A	180° A
	

M3	
0° B	270° A
	
90° A	180° A
	

M4 [1]	
0° A	270° A
	
90° A	180° A
	

M5	
0° A	270° A
	
90° B	180° A
	

M6	
0° A	270° B
	
90° A	180° A
	

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M1 to M6 = Mounting positions of planetary gear units
0° to 270° = Mounting positions of primary bevel gear units
A/B = Position of the mounting flange at the KF.. primary gear unit
1) Example position; the position of the piping deviates from the figure.

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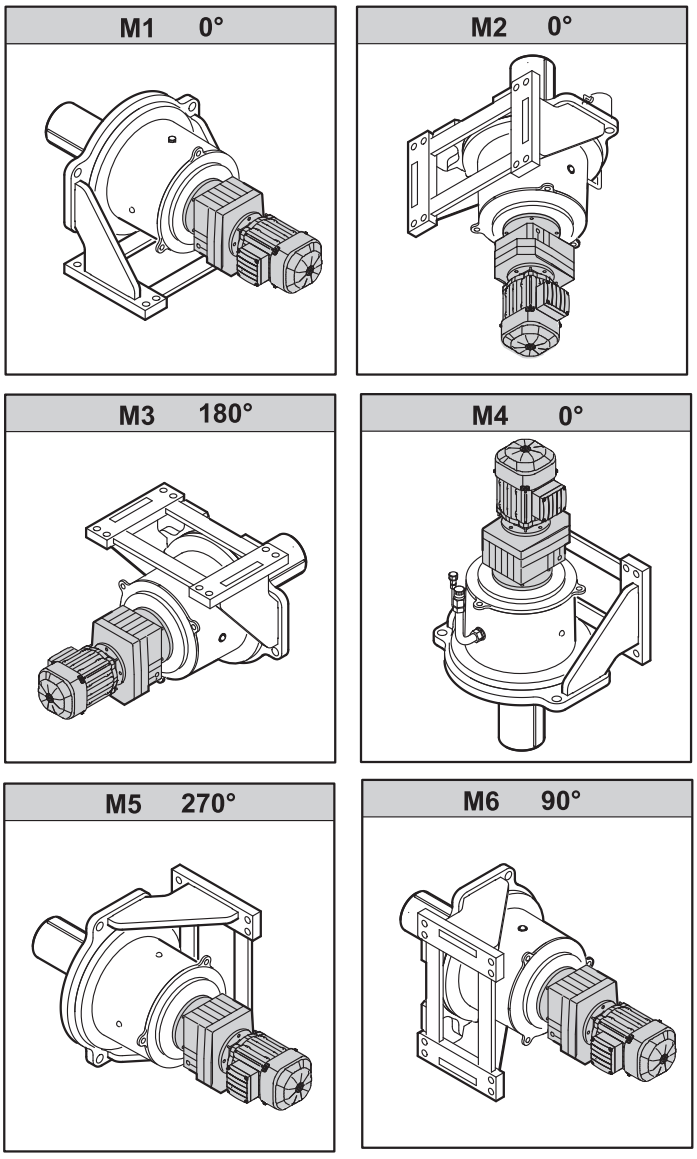
4.3 Mounting position RF.. primary helical gear unit

For the primary helical gear units RF.., the position **0°**, **90°**, **180°** or **270°** must be defined.

To reduce the churning losses in the primary gear unit to a minimum, SEW-EURODRIVE recommends that you choose one of the standard mounting positions shown below.

INFORMATION

Contact SEW-EURODRIVE in case of deviating mounting conditions.



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M1 to M6 = Mounting positions of planetary gear units
0° to 270° = Mounting position of primary helical gear unit

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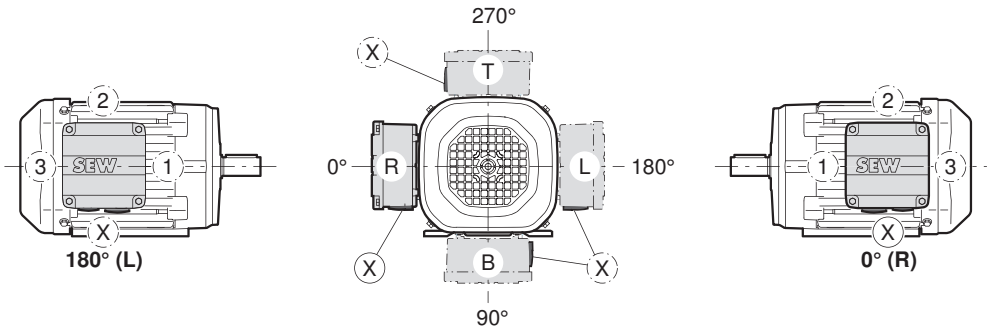
4.4 Position of motor terminal box and cable entry

The position of the motor terminal box has so far been indicated with 0°, 90°, 180° or 270° as viewed onto the fan guard (see figure below). A change in the product standard EN 60034 specifies that the following designations will have to be used for terminal box positions for foot-mounted motors in the future:

- As viewed onto the output shaft = A-end
- Designation as R (right), B (bottom), L (left) and T (top)

This new designation applies to foot-mounted motors without a gear unit in mounting position B3 (= M1). For gearmotors, the previous designation is retained. The following figure shows both designations. If the mounting position of the motor changes, R, B, L and T are rotated accordingly.

The position of the cable entry can be selected as well. Available positions are "X" (= standard position), "1", "2" or "3" (see the following figure).



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Unless other information is given regarding the terminal box, the 0° type (R) with "X" cable entry will be supplied.

INFORMATION

When the terminal box is in the 90° (B) position, check to see if the planetary gearmotor has to be supported.

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4.5 Torque arm

The torque arm can be enclosed in the delivery or can be mounted according to customer requirements.

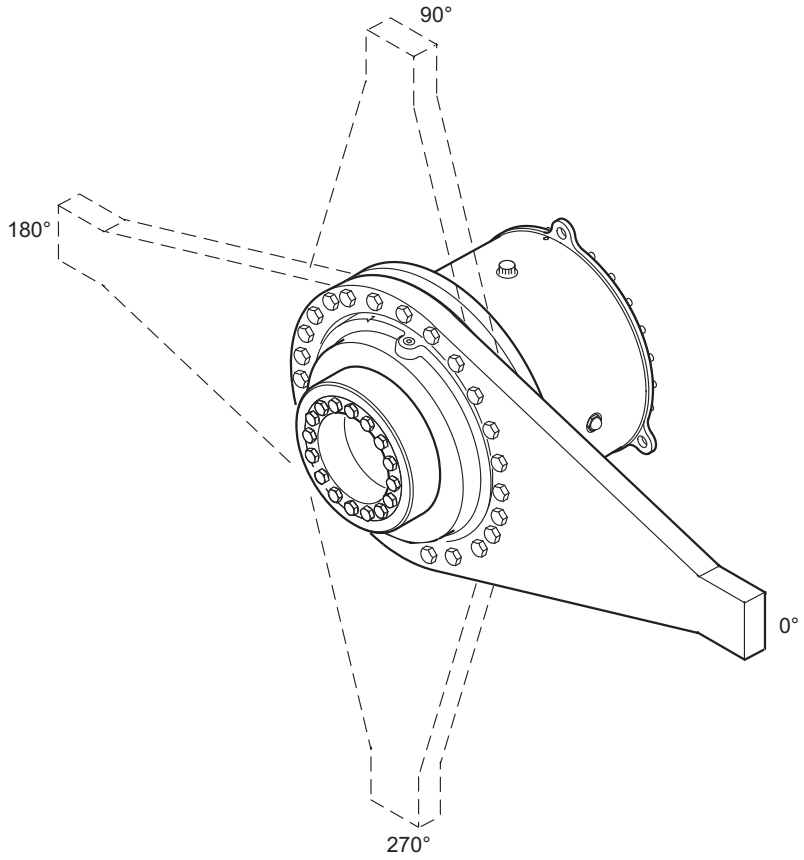
The retaining screws are included in the scope of delivery.

The position of the torque arm is determined as looking onto the output shaft (mounting position **0°, 90°, 180°, 270°**).

INFORMATION

Different mounting positions are possible depending on the angle division (number of retaining screws).

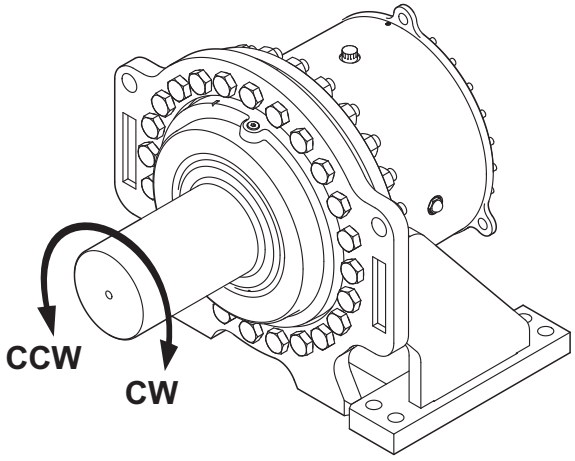
The following figure shows an example of the mounting position of the torque arm.



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4.6 Output direction of rotation with backstop

With planetary gear units, specify the required direction of rotation of the output shaft. The direction of rotation is specified as viewed onto the output shaft.



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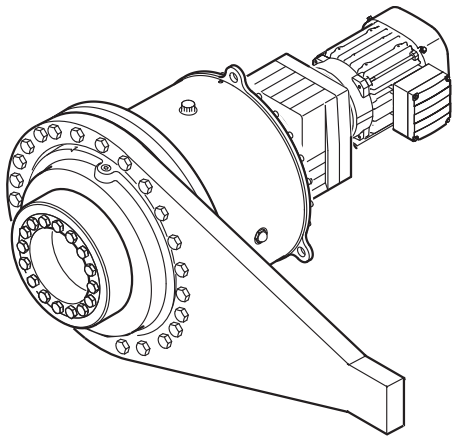
As viewed at the output shaft: Clockwise rotation **(CW)** = Rotating clockwise
Counterclockwise rotation **(CCW)** = Rotating counterclockwise

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4.7 Sample orders

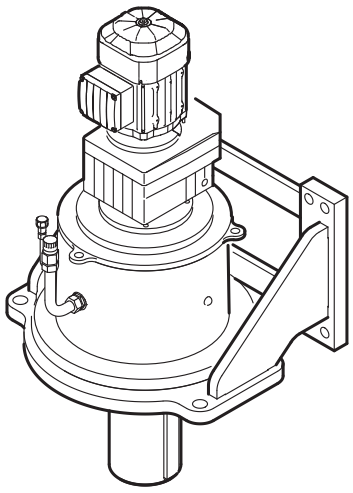
The following order examples show a combination of a planetary gear unit, a primary gear unit and a motor.

Type	Mounting position of planetary gear unit	Mounting position					Additional feature
		Primary gear unit	Mounting flange	Terminal box	Cable entry	Torque arm	
PHF042/T RF107DRE160M4	M1	0°	-	0°	X	0°	LSS labyrinth seal



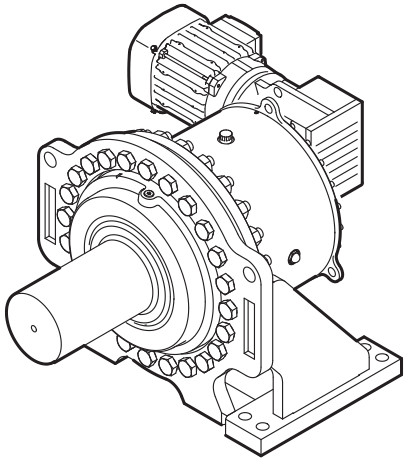
6301008267

Type	Mounting position of planetary gear unit	Mounting position					Additional feature
		Primary gear unit	Mounting flange	Terminal box	Cable entry	Torque arm	
P032 RF97DRS180LC4	M4	0°	–	0°	X		



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Type	Mounting position of planetary gear unit	Mounting position					Additional feature
		Primary gear unit	Mounting flange	Terminal box	Cable entry	Torque arm	
P082 KF157DRP225M4	M1	180 °	B	180 °	X		



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5 Project planning for gear units

5.1 Additional documentation

In addition to the information in this catalog, SEW-EURODRIVE offers extensive documentation covering the entire topic of electrical drive engineering. This is primarily documentation from the "Drive Engineering – Practical Implementation" series. You can order the latest documentation from SEW-EURODRIVE. The documentation can also be downloaded in PDF format from the SEW homepage (http://www.sew-eurodrive.de).

5.1.1 Drive Engineering – Practical Implementation

The publication "Drive Engineering – Practical Implementation – Drive Arrangements with SEW-EURODRIVES Gearmotors" features extensive information on characteristics, different features and application areas of SEW drives. A comprehensive collection and assignment of the most important formulae for drive calculation as well as detailed examples for the most frequently used applications make this documentation an important tool for project planning and an essential addition to SEW-EURODRIVE product catalogs.

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5.2 Project planning procedure

INFORMATION

For gear units in explosion-proof design only a gear unit project planning with infinite fatigue strength is possible.

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5.2.1 Step 1: Drive selection data

1.0 Machine on LSS (normally the driven machine)

Key: [...] = fill in values
[X] = make your selections by ☒

1.1 Field of application/industry [...]

1.2 Application [...]

1.3 Ambient temperature [°C] [...]

normal | min. | max.

1.4 Altitude [m] [...]

1.5 Installation [X]

☐ small rooms ($v_a \geq 0.5$ m/s)
☐ large rooms and halls ($v_a \geq 1.4$ m/s)
☐ outdoors with protection from the sun ($v \geq 3$ m/s)

1.6 Ambient conditions [X]

☐ normal ☐ corrosive
☐ dusty ☐ dry
☐ moist

2.0 Load characteristics

2.1 Required speed n_2 [rpm] [...]

normal | min. | max.

2.2 Operating power on HSS P_{K1} [kW] [...]

normal | min. | max.

2.3 Operating torque on LSS M_{K2} [Nm] [...]

normal | min. | max.

2.4 Frequency of peak load ($M_{K2\ max.}$ or $P_{K1\ max.}$) [...]

per hour

2.5 Number of starts per hour [...]

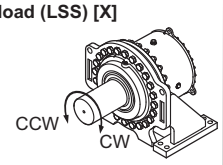
starts

2.6 Service life [X]

☐ Infinite fatigue strength
☐ Defined service life [h]

2.7 Rotation direction under load (LSS) [X]

☐ clockwise (CW)
☐ counter-clockwise (CCW)
☐ both directions
☐ reversible



2.8 Operating period/day [X]

☐ ≤ 3 hours
☐ 3 ... 10 hours
☐ > 10 hours

2.9 Backstop required in gear unit [X]

☐ No
☐ Yes

2.10 Exact load cycle attached [X]

☐ No
☐ Yes

3.0 Machine on HSS (normally the drive machine)

3.1 Type: [X]

☐ AC motor ☐ AC motor/inverter ☐ DC motor
☐ Hydraulic motor ☐ Servomotor

3.2 Motor power P_M [kW] [...]

normal | min. | max.

3.3 Motor speed n_M [rpm] [...]

normal | min. | max.

3.4 Motor torque M_M [kNm] [...]

normal | min. | max.

3.5 Input speed n_1 [rpm] [...]

normal | min. | max.

3.6 If electric motor: [X] [...]

☐ IEC
☐ NEMA
Motor size (IEC- or NEMA code):

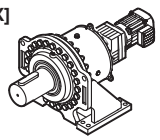
3.7 Mounting of motor [X] [...]

☐ B3
☐ B5
☐ V1
☐ other:

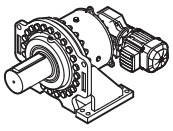
4.0 Gear unit requirements

4.1 Gear Unit Type [X]

☐ Helical gear unit P.. RF..



☐ Bevel-helical gear unit P..KF..

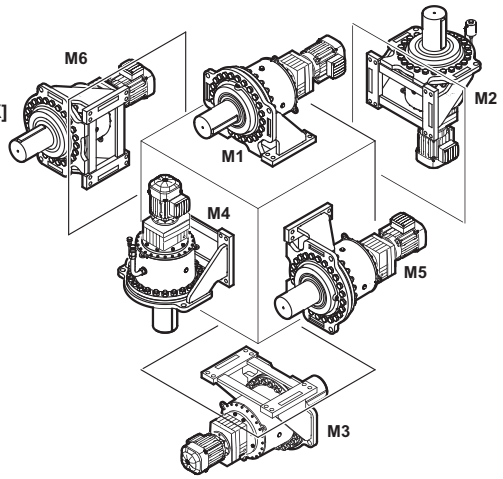


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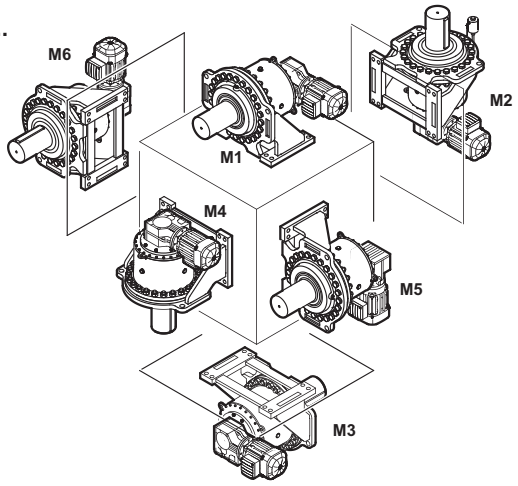
4.2 Mounting position [X]

- ☐ M1
- ☐ M2
- ☐ M3
- ☐ M4
- ☐ M5
- ☐ M6

P..RF..

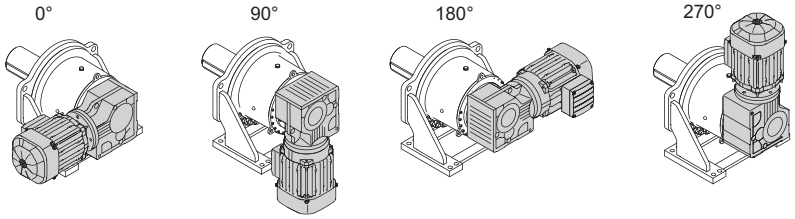


P..KF..



4.3 Mounting positions for RF / KF gearmotor preliminary stage [X]

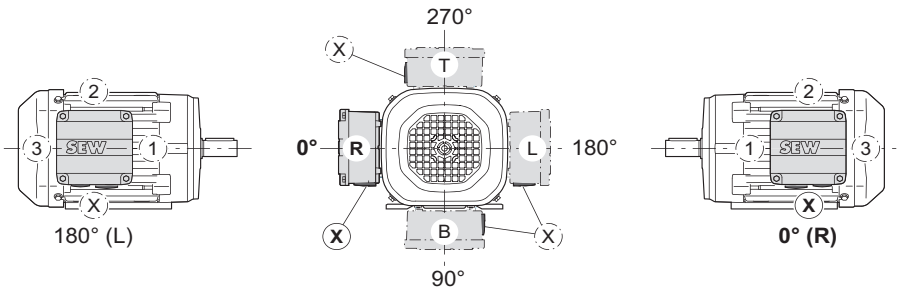
- ☐ 0°
- ☐ 90°
- ☐ 180°
- ☐ 270°



4.4 Position of motor terminal box and cable entry [X]

- ☐ 0° (R)
- ☐ 90° (B)
- ☐ 180° (L)
- ☐ 270° (T)

- ☐ X
- ☐ 1
- ☐ 2
- ☐ 3



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4.6 Application-specific operating factor $F_{S\ min.}$ [X] [...]

☐ In relation to motor power P_M / motor torque M_M

☐ Operating power at LSS P_{K2} / operating torque at LSS M_{K2}

4.7 Required bearing service life $L_{h\ min}$ [...]

hours

4.8 Assembly of gear unit housing [X]

☐ Foot
☐ Flange
☐ Torque

4.9 LSS connection to customer machine shaft [X] [...]

☐ Elastic clutch (claw or bolt coupling)
☐ Flexible coupling
☐ Rigid flange coupling
☐ Barrel coupling
☐ Sprocket
☐ Ritzel

☐ Hollow shaft – torque arm
☐ Hollow shaft – foot mounting
☐ Hollow shaft – flange mounting
☐ Other

4.10 LSS gear unit design [X] [...]

LSS design (if with solid shaft)
☐ Solid shaft with keyway
☐ Solid shaft without keyway
☐ Solid shaft with splined hollow shaft DIN 5480
☐ Other

LSS design (if with hollow shaft)
☐ Hollow shaft with keyway
☐ Hollow shaft for shrink disk connection, including shrink disk
☐ Splined hollow shaft DIN 5480
☐ Other

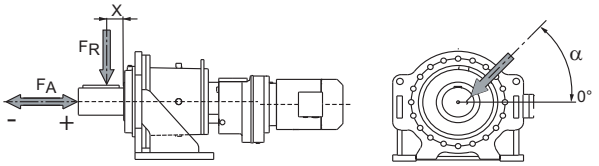
4.11 HSS connection to motor [X]

☐ Customer installation (base frame)
☐ Motor adapter with elastic coupling
☐ Swing base / base frame
☐ Motor bracket with V-belt drive
☐ Motor scoop
☐ Other, see sketch

4.12 Machine shaft bearings

☐ 2 bearings, gear unit transmits only the torque
☐ 1 bearing opposite the gear unit, gear unit acts as a point of support
☐ 1 bearing right at the gear unit, gear unit acts as a point of support

4.13 Forces at the LSS [X] [...]



	normal	min.	max.
Axial force F_{A2} [N]			
Radial force F_{R2} [N]			
Distance from shaft shoulder X [mm]			

Application angle of radial force α [°]

or rotating ☐

4.15 Electric power supply [X] [...]

	AC 3-phase	AC 1-phase	DC		
Line voltage V_{line}	☐	☐	☐	V	HZ
Auxiliary voltage V_{aux}	☐	☐	☐	V	HZ

Degree of protection: IP

Explosion protection required: ☐ Yes ☐ No

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5.2.2 Step 2: Calculation of basic data – M_{K2}, n_2, i, η

Constant torque	$M_{K2} = \frac{P_{K1} \times 9550 \times \eta}{n_2}$ [Nm] Note: if P_{K1} is not known -> $P_{K1} = P_M$ M_{K2} = Required output torque [Nm] P_{K1} = Required operating power at HSS [kW] n_2 = Output speed (LSS) rpm
Gear ratio	$i = \frac{n_1}{n_2}$ n_1 = Input speed (HSS) rpm n_2 = Output speed (LSS) rpm
Efficiency – η	η = f (i; gear unit type) The efficiency of the gear unit is mainly determined by the gearing and bearing friction as well by churning losses. For the calculation, a reference value of 98% is used.

5.2.3 Step 3: Selection of application factors

Application-specific service factor	$F_{S\,min}$
Peak load factor	F_F (→ 🗎 57)
Startup factor	F_{Start} (→ 🗎 57)
Service life factor	f_{LC} (→ 🗎 58)

$F_{S\,min}$ - application-specific service factor

The application-specific service factor F_s considers the typical load behavior with regard to the driven machine.

Recommended values with reference to

- Area of application
- Type of driven machine
- Operating time / day

are given in the following table.

INFORMATION

These tables apply only to gear units driven by electric motors. For other types of drive motors, the following correction values apply:

- Combustion engines with four or more cylinders: $F_{S\,min}$ (selection table) + 0.25
- Combustion engines with one to three cylinders: $F_{S\,min}$ (selection table) + 0.5

INFORMATION

In the event of deviations from the typical load behavior, please consult SEW-EURODRIVE.

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Area of application	Type of application (driven machine)	Application-specific service factor $F_{S\ min}$ Operating period / day			
		Gearing with high fatigue strength (referring to DIN 3990)			Defined Service life
		< 3 h	3-10 h	> 10 h	
Waste water treatment	Impeller aerator	-	1.80	2.00	1.80
	Thickeners	1.15	1.25	1.50	1.15
	Vacuum filters	1.15	1.30	1.50	1.15
	Collector	1.15	1.25	1.50	1.15
	Screw pump	-	1.30	1.50	1.30
	Brush aerators	-	-	2.00	2.00
Mining	Crushers	1.55	1.75	2.00	1.55
	Screens and shakers	1.55	1.75	2.00	1.55
	Slewing drives	-	1.55	1.80	1.55
	Bucket wheel excavators	1)	1)	1)	1)
Energy	Frequency inverters	-	1.80	2.00	1.80
	Water wheels (low speed)	-	-	1.70	1.70
	Water turbines	-	-	1)	-
Conveyors	Bucket elevators	-	1.40	1.50	1.40
	Vertical conveyors – other	-	1.50	1.80	1.50
	Belt conveyors ≤ 100 kW	1.15	1.25	1.40	1.15
	Belt conveyors > 100 kW	1.15	1.30	1.50	1.15
	Apron feeders	-	1.25	1.50	1.25
	Screw feeders	1.15	1.25	1.50	1.15
	Shakers, screens	1.55	1.75	2.00	1.55
	Escalators	1.25	1.25	1.50	1.25
	Passenger elevators	1)	1)	1)	1)
Rubber and plastic industry	Extruders (plastic)	-	1.40	1.60	1.40
	Extruders (rubber)	-	1.50	1.80	1.50
	Rubber rollers (2 in a row)	1.55	1.75	2.00	1.55
	Rubber rollers (3 in a row)	-	1.50	1.75	1.50
	Heating rollers	1.35	1.50	1.75	1.35
	Calender	-	1.65	1.65	1.65
	Mills	1.55	1.75	2.00	1.55
	Mixing rollers	1)	1)	1)	1)
	Slab rollers	1.55	1.75	2.00	1.55
	Refiners	1.55	1.75	2.00	1.55
	Tire machines	1)	1)	1)	1)
Timber industry	Timber industry	1)	1)	1)	1)
Cranes	Cranes and hoists	2)	2)	2)	2)
Food industry	Crushers and mills	-	-	1.75	1.75
	Beet slicers	-	1.25	1.50	1.25
	Drying drums	-	1.25	1.50	1.25

1) Contact SEW-EURODRIVE

2) Please contact SEW-EURODRIVE; dimensioning according to FEM1001

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Area of application	Type of application (driven machine)	Application-specific service factor $F_{S\ min}$ Operating period / day			
		Gearing with high fatigue strength (referring to DIN 3990)			Defined Service life
		< 3 h	3-10 h	> 10 h	
Metal production and processing	Winder	-	1.60	1.75	1.60
	Cutting rollers	1.55	1.75	2.00	1.55
	Table conveyors, single drives	1)	1)	1)	1)
	Table conveyors, group drives	1)	1)	1)	1)
	Table conveyors, reciprocating	1)	1)	1)	1)
	Wire drawing machines	1.35	1.50	1.75	1.35
	Rollers	1)	1)	1)	1)
Mills and drums	Cooling and drying drums	-	1.50	1.60	1.50
	Rotary kilns	-	-	2.00	2.00
	Ball mills	-	-	2.00	2.00
	Coal mills	-	1.50	1.75	1.50
Pulp and paper industry	Debarking drums and machines	1.55	1.80	-	1.55
	Rolls (pick-up, wire drive, wire suction)	-	1.80	2.00	1.80
	Drying cylinders (rolling bearings)	-	1.80	2.00	1.80
	Calenders (rolling bearings)	-	1.80	2.00	1.80
	Filters (pressure and vacuum)	-	1.80	2.00	1.80
	Beaters and chippers	1.55	1.75	2.00	1.55
	Jordan mills	-	1.50	1.75	1.50
	Presses (bark, felt, glue, suction)	-	-	1.75	1.75
	Reels	-	-	1.75	1.75
	Pulpers	1)	1)	1)	1)
	Washer filters	-	-	1.50	1.50
	Yankee cylinders (dryers)	1)	1)	1)	1)
Pumps	Centrifugal pumps	1.15	1.35	1.45	1.15
	Reciprocating pumps (single-cylinder)	1.35	1.50	1.80	1.35
	Reciprocating pumps (multi-cylinder)	1.20	1.40	1.50	1.20
	Screw pumps	-	1.25	1.50	1.25
	Rotary pumps (gear pump, vane pump)	-	-	1.25	1.25
Agitators and mixers	Agitators for liquids	1.00	1.25	1.50	1.00
	Agitators for liquids (variable density)	1.20	1.50	1.65	1.20
	Agitators for solids (non-uniform material)	1.40	1.60	1.70	1.40
	Agitators for solids (uniform material)	-	1.35	1.40	1.35
	Concrete mixers	-	1.50	1.50	1.50
Cable cars	Material ropeways	-	1.40	1.50	1.40
	Aerial tramways	-	1)	1)	1)
	Surface lifts	1)	1)	1)	1)
	Continuous aerial tramways	1)	1)	1)	1)
	Funicular railways	1)	1)	1)	1)
Fans	Heat exchangers	1.50	1.50	1.50	1.50
	Dry cooling towers	-	-	2.00	2.00
	Wet cooling towers	2.00	2.00	2.00	2.00
	Blowers (axial and radial)	1.50	1.50	1.50	1.50
Compressors	Reciprocating compressors	-	1.80	1.90	1.80
	Radial compressors	-	1.40	1.50	1.40
	Screw-type compressors	-	1.50	1.75	1.50

1) Contact SEW-EURODRIVE

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Peak load factor – F_F

The peak load factor F_F takes account of the overload capacity of the gearing and the rotating parts.

Planetary gear unit type/size	Peak load factor – F_F					
	Frequency of peak load per hour					
	1...5	6...20	21...40	41...80	81...160	> 160
Output shaft as solid shaft P002...P102	1	1.2	1.3	1.5	1.75	2.0
Hollow shaft with shrink disk connection P002	1.25	1.25	1.3	1.5	1.75	2.0
Hollow shaft with shrink disk connection P012...P102	1.1	1.2	1.3	1.5	1.75	2.0

Startup factor – F_{Start}

The startup factor F_{start} takes account of the overload caused by startup.

Startup mode	Startup factor – F_{Start}
Direct	3.0
Soft start	1.8
Frequency inverter	1.5 to 2.0[1)]
Star/delta	1.3
Hydraulic coupling without delay chamber	2.0
Hydraulic coupling with delay chamber	1.6

1) Depending on settings

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Service life factor – f_{LC}

For applications with defined service life

$$f_{LC} = \frac{L_h \times n_2}{1000}$$

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f_{LC} = Service life factor
L_h = Required service life [h]
n_2 = Speed at output shaft [rpm]

For applications with high fatigue strength according to DIN 3990

$f_{LC} > 107.5$

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5.2.4 Step 4: Calculation of the required nominal gear unit torque M_{N2}

Constant load direction – constant torque:

$$M_{N2} \geq M_{K2} \times F_{S\,min}\ [Nm]$$

M_{N2} = Nominal gear unit torque [Nm]
M_{K2} = Operating torque at LSS [Nm]
$F_{S\,min}$ = Application-specific service factor

Reversing load direction – constant torque:

$$M_{N2} \geq M_{K2} \times F_{S\,min} \times 1.43\ [Nm]$$

M_{N2} = Nominal gear unit torque [Nm]
M_{K2} = Operating torque at LSS [Nm]
$F_{S\,min}$ = Application-specific service factor

5.2.5 Step 5: Selection of nominal gear unit torque M_{N2}

Size	Service life factor f_{LC}										$M_{N2\,Lim}$ [Nm]
	≤ 7.5	≤ 15	≤ 25	≤ 30	≤ 35	≤ 45	≤ 52.5	≤ 70	≤ 95	≤ 107.5	> 107,5[1]
	M_{N2}										
P.002	29 200	26 300									24 830	49 660
P.012	46 200	41 600	38 500								36 810	73 620
P.022	64 200	60 100	55 600	54 200	54 200	54 200	54 200	54 200	54 200		51 190	102 380
P.032	86 800	84 900	78 600	76 600	76 600	76 600	76 600	76 600	76 400	73 700	69 620	139 240
P.042	111 000	111 000	103 200								100 170	200 340
P.052	140 600	134 500									124 060	248 120
P.062	209 100	201 400									185 660	371 320
P.072	274 600	274 600	264 500	257 300	256 400	256 400	256 400				245 660	491 320
P.082	397 100	397 100	397 100	383 500							359 400	718 800
P.092	513 900	513 900	488 900	476 200	476 200	446 300					423 000	846 000
P.102	631 300	630 800	572 300	541 800	517 300						500 000	1 000 000

1) Gearing with infinite fatigue strength (referring to DIN 3990)

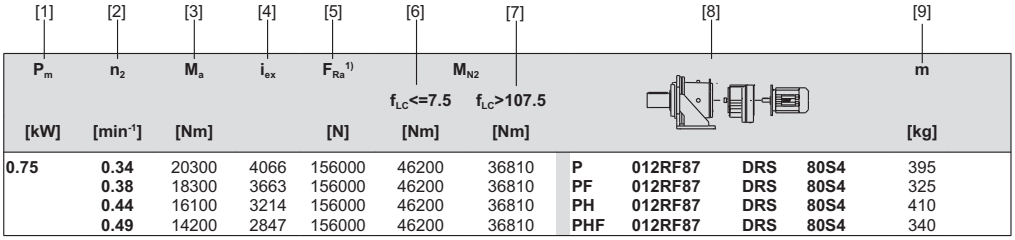
5.2.6 Step 6: Selecting the nominal motor power P_M

$$P_M \geq P_{K1} = \frac{P_{K2}}{\eta}\ [kW]$$

P_M = Nominal motor power [kW]
P_{K1} = Operating power at HSS [kW]
P_{K2} = Operating power at LSS [kW]
η = Efficiency

5.2.7 Step 7: Selecting the combination with gearmotor for project planning with defined service life

The following figure shows the structure of the selection tables.



[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]				[9]
P_m	n_2	M_a	i_{ex}	F_{Ra} 1)	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]
0.75	0.34	20300	4066	156000	46200	36810	P	012RF87	DRS	80S4	395
	0.38	18300	3663	156000	46200	36810	PF	012RF87	DRS	80S4	325
	0.44	16100	3214	156000	46200	36810	PH	012RF87	DRS	80S4	410
	0.49	14200	2847	156000	46200	36810	PHF	012RF87	DRS	80S4	340

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[1] Nominal motor power
[2] Output speed
[3] Output torque in relation to nominal motor power
[4] Gear unit ratio
[5] Permitted radial load at LSS
1) Overhung load for foot-mounted gear units with solid shaft; overhung loads for other gear unit types upon request
[6] Nominal gear unit torque for project planning with defined service life for $f_{LC} \leq 7.5$
[7] Nominal gear unit torque for project planning with gearing with infinite fatigue strength referring to DIN 3990 ($f_{LC} > 107.5$)
[8] Gear unit type
[9] Weight

After selecting the gearmotor combination, checking of output torque: $M_a > M_{k2}$

5.2.8 Step 8: Checking the peak load conditions – $M_{K2\ per}$; $M_{K2\ max}$

Permitted peak output torque $M_{K2\ per}$:

$$M_{K2\ per} = \frac{M_{N2\ Lim}}{F_F} \quad [kNm]$$

$M_{K2\ per}$ = Permitted peak output torque [Nm]
$M_{N2\ Lim}$ = Limited nominal gear unit torque [Nm]
F_F = Peak load factor

Calculating the peak load $M_{K2\ max}$:

$$M_{K2\ max} = M_a \times F_{Start}^{*} \quad [Nm]$$

$M_{K2\ max}$ = Peak output torque [Nm]
M_a = Output torque in relation to nominal motor power [Nm]
F_{Start} = Startup factor

* If F_{Start} is not specified, take the startup factors from the table on "Startup factor – F_{Start}".

Checking the gear unit selection:

$M_{K2\ max} \leq M_{K2\ per}$

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5.2.9 Step 9: Check of external additional forces

Influences and dependencies:

The permitted additional forces depend on the following factors:

- Existing service factor of the gear unit with respect to the selection data
- Required bearing service life
- Direction of the axial force (from or towards gear unit)
- Application angle of the radial load (rotating or at a specific position)
- Point of force application
- Ratio between radial and axial load
- Gear unit mounting

Determining the overhung load

If no overhung loads are specified, they can be determined by approximation as follows. An important factor for determining the resulting overhung load is the type of transmission element mounted to the shaft end. The following transmission element factors f_Z must be considered for various transmission elements.

Transmission element	Transmission element factor f_Z	Comments
Gears	1.15	< 17 teeth
Sprockets	1.40	< 13 teeth
Sprockets	1.25	< 20 teeth
Narrow V-belt pulleys	1.75	Influence of pre-tensioning
Flat belt pulleys	2.50	Influence of pre-tensioning
Toothed belt pulleys	1.50	Influence of pre-tensioning

The overhung load exerted on the motor or gear shaft is calculated as follows:

$$F_R = \frac{M_d \times 2000}{d_0} \times f_Z \quad [N]$$

F_R = Overhung load [N]
M_d = Torque [Nm]
d_0 = Mean diameter of the installed transmission element in [mm]
f_Z = Transmission element factor

Permitted overhung load

The basis for determining the permitted overhung loads in the roller bearing calculation is the nominal bearing service life L_{10h} (according to ISO 281).

For special operating conditions, the permitted overhung loads can be determined on the basis of the modified service life L_{nmh} on request.

For applications with defined service life, the permitted overhung loads have been calculated based on an adapted shaft safety. The values can thus be reduced.

Overhung load on output

The permitted overhung loads $F_{R\,per}$ for solid shaft gear units can be calculated exactly. The force values relate to the force application in the center of the shaft end for solid shafts and to the gear unit flange contact point for hollow shafts. In planetary gear units, the force application angle and direction of rotation do not influence the permitted values as there are no inner forces from the gear unit acting on the output bearing.

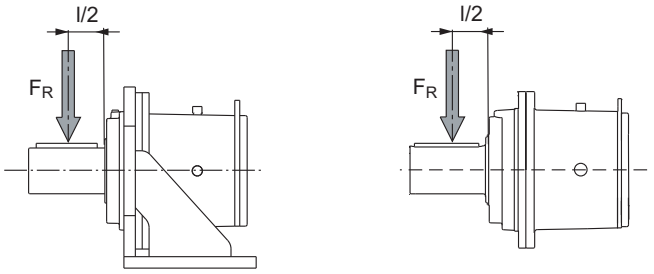
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Permitted overhung loads and axial loads on the input

All the possibilities and restrictions specified in the SEW "Gearmotors" catalog apply.

Checking the permitted overhung load on the output

The permitted overhung load F_R on the center of the shaft end is checked according to the following table. The load is permitted if $F_{R\,per} \geq F_R$.



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Permitted overhung loads $F_{R\,per}$ for solid shafts (Project planning with infinite fatigue strength):

The values apply to force application to the center of the shaft end and an output speed of n = 10 rpm.

Size	P.002	P.012	P.022	P.032	P.042	P.052	P.062	P.072	P.082	P.092	P.102
$F_{R\,per}$ [kN]	96	134	183	194	249	280	364	403	526	580	680

Calculation of $F_{R\,perl}$ [N] for different output speeds n* (rpm) (project planning with infinite fatigue strength):

$$F_{R\,per}{}^{*} = F_{R\,per} \times \left(\frac{10}{n^{*}}\right)^{\left(\frac{1}{3.33}\right)} \leq F_{R\,max} \quad [N]$$

$F_{R\,per}{}^{*}$ = Permitted overhung load [N] for different output speed
$F_{R\,per}$ = Permitted overhung load [N]
$F_{R\,max}$ = maximum overhung load [N] (see following table)
n* = Differing output speed [rpm]

Size	P.002	P.012	P.022	P.032	P.042	P.052	P.062	P.072	P.082	P.092	P.102
$F_{R\,max}$ [kN]	124	156	197	252	323	364	473	523	683	720	850

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Permitted overhung loads for solid shafts (project planning with defined service life):

The values apply to force application to the center of the shaft end and an output speed of n = 10 rpm.

For project planning with defined service life:

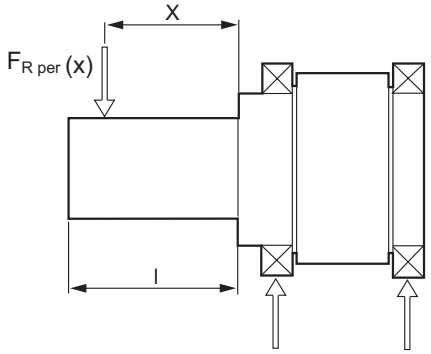
Size	P.002	P.012	P.022	P.032	P.042	P.052	P.062	P.072	P.082	P.092	P.102
$F_{R\,per} = F_{R\,max}$ [kNm]	78	119	162	171	177	192	252	315	285	575	680

Comment

$F_R \leq F_{R\,per}{}^* \leq F_{R\,max}$

However, if $F_{R\,per}{}^* > F_{R\,max}$, you will have to check: $F_R \leq F_{R\,max}$

Conversion of permitted overhung load on the output for force application away from the middle of the shaft end



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Size	a	b	l
P.002	173	163	200
P.012	188.5	177	220
P.022	211	179	220
P.032	231.5	194	250
P.042	268	229	300
P.052	283	260	350
P.062	308	287	400
P.072	334	291	400
P.082	377	321	450
P.092	445	343	450
P.102	473	375	550

Calculation of off-center force application:

$$F_{R\,per\,(X)} = F_{R\,per} \times \frac{(a + b)}{(a + b^*)} \leq F_{R\,max} \quad [N]$$

b* = (b - l/2) + x [mm]

$F_{R\,per}(x)$ = Permitted overhung load [N] of the off-center force application

$F_{R\,per}$ = Permitted overhung load [N]

$F_{R\,max}$ = Maximum overhung load [N]

Comment

$F_R \leq F_{R\,per}(x) \leq F_{R\,max}$

However, if $F_{R\,per}(x) > F_{R\,max}$, you will have to check: $F_R \leq F_{R\,max}$

Permitted axial force

For applications with axial loads, consult SEW-EURODRIVE.

INFORMATION

- Please consult SEW-EURODRIVE if you use the PH.. design in combination with overhung forces, or the PHF.. variant with flange mounting.
- Please contact SEW-EURODRIVE if a purely axial force is applied.

5.2.10 Step 10: Check of the thermal rating / heating

INFORMATION

Contact SEW-EURODRIVE for the following operating conditions:

- High ambient temperatures (over 45 °C)
- Vertical mounting position and/or motor speed over 1800 rpm

5.2.11 Step 11: Selection of lubricant

Lubricants can be chosen according to the lubricant table.

Output speeds $n_2 < 1.0$ rpm:

We recommend using MOBIL SHC XMP 460 synthetic lubricant in conjunction with fluorocarbon rubber oil seals to ensure lubricating properties at low output speeds.

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5.2.12 Step 12: Technical specifications

Example: PHF042 KF107 DRS160M4		
Planetary gear units	P	Gear unit type
	H	Hollow shaft
	F	Flange-mounted design
	042	Gear unit size
Primary gear unit	KF	Series
	107	Gear unit size
Motor	DRS	Series
	160M4	Size + number of poles

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5.3 Dimensioning example – project planning with defined service life

5.3.1 Step 1: Drive selection data

- Application: Belt conveyor
- Bevel-helical planetary gear unit
- Hollow shaft with shrink disk and torque arm
- Required service life: 15,000 hours
- Required output speed n_2 = 1.5 rpm
- Required operating power at LSS P_{K2} = 10.5 kW
- 4-pole motor / frequency inverter operation
- Operating period: 12 hours per day
- Cyclic duration factor: 100% cdf, 10 starts per hour
- Direction of rotation under load: CW rotation
- Outdoors, dusty environment
- Ambient temperature = 0 °C...40 °C
- Installation altitude H = 10 m
- Horizontal mounting position
- No axial or radial forces acting on the output shaft

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5.3.2 Step 2: Calculation of basic data M_{K2}, i, η

Operating torque on LSS:

$$M_{K2} = \frac{P_{K2} \times 9\,550}{n_2} \text{ [Nm]}$$

M_{K2} = Operating torque at LSS [Nm]
P_{K2} = Operating power at LSS [kW]
n_2 = Output speed (LSS) [rpm]

$$M_{K2} = \frac{10.5 \text{ kW} \times 9\,550}{1.5 \text{ min}^{-1}} = 66\,850 \text{ Nm}$$

Required gear ratio:

$$i = \frac{n_1}{n_2} = \frac{1440 \text{ min}^{-1}}{1.5 \text{ min}^{-1}} = 960$$

n_1 = Input speed (HSS) [rpm]
n_2 = Output speed (LSS) [rpm]

Efficiency:

η = 0.98

5.3.3 Step 3: Selecting the application factors $F_{s\,min}$, F_F, F_{Start}, f_{LC}

Application-specific service factor $F_{S\,min}$

Application: Belt conveyors ≤ 100 kW

t = defined service life → $F_{S\,min}$ = 1.15

Peak load factor F_F

Hollow shaft with shrink disk

Load per hour = 6...20 → F_F = 1.2

Startup factor F_{Start}

Motor in frequency inverter operation → F_{Start} = 1.5

Service life factor f_{LC}

For applications with defined service life

$$f_{LC} = \frac{L_h \times n_2}{1\,000} = \frac{15\,000 \text{ h} \times 1.5 \text{ min}^{-1}}{1\,000} = 22.5$$

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f_{LC} = Service life factor
L_h = Required service life [h]
n_2 = Speed at output shaft [rpm]
t = Daily operating period

5.3.4 Step 4: Calculating the required nominal output torque M_{N2}

Constant direction of the load – constant torque:

$M_{N2} \geq M_{K2} \times F_{S\,min} = 66\,850\ Nm \times 1.15 = 76\,878\ Nm$

M_{N2} = Nominal torque [Nm]
M_{K2} = Operating torque at LSS [Nm]
$F_{S\,min}$ = Application-specific service factor

5.3.5 Step 5: Selecting the planetary gear unit size M_{N2}

Size	Service life factor f_{LC}										$M_{N2\,Lim}$ [Nm]
	≤ 7.5	≤ 15	≤ 25	≤ 30	≤ 35	≤ 45	≤ 52.5	≤ 70	≤ 95	≤ 107.5	> 107,5[1]	
	M_{N2}											
P.002	29 200	26 300									24 830	49 660
P.012	46 200	41 600	38 500								36 810	73 620
P.022	64 200	60 100	55 600	54 200	54 200	54 200	54 200	54 200	54 200		51 190	102 380
P.032	86 800	84 900	**78 600**	76 600	76 600	76 600	76 600	76 600	76 400	73 700	69 620	139 240
P.042	111 000	111 000	103 200								100 170	200 340
P.052	140 600	134 500									124 060	248 120
P.062	209 100	201 400									185 660	371 320
P.072	274 600	274 600	264 500	257 300	256 400	256 400	256 400				245 660	491 320
P.082	397 100	397 100	397 100	383 500							359 400	718 800
P.092	513 900	513 900	488 900	476 200	476 200	446 300					423 000	846 000
P.102	631 300	630 800	572 300	541 800	517 300						500 000	1 000 000

1) Gearing with infinite fatigue strength (referring to DIN 3990)

→ Project planning with defined service life is possible

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5.3.6 Step 6: Selecting the motor power P_M

$$P_M \geq P_{K1} = \frac{P_{K2}}{\eta} = \frac{10.5\ \text{kW}}{0.98} = 10.7\ \text{kW}$$

P_M = Nominal motor power [kW]
P_{K2} = Operating power at LSS [kW]

Motor selection → P_M = 11 [kW]

5.3.7 Step 7: Selecting the gearmotor combination

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]
11.0	1.2	84300	1209	201400	86800	69620					
	1.4	76400	1095	213900	86800	69620	P	032KF97	DRE	160MC4	810
	1.5	67700	971	225700	86800	69620	PF	032KF97	DRE	160MC4	690
	1.7	61200	878	233500	86800	69620	PH	032KF97	DRE	160MC4	830
	2.0	51900	744	243400	86800	69620	PHF	032KF97	DRE	160MC4	710
	2.3	45300	650	249400	86800	69620					

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Selecting a combination:	PHF032 KF97 DRE160MC4
Checking the output torque:	M_a = 67 700 Nm > M_{K2} = 66 850 Nm → ok
Exact gear ratio:	i_{ex} = 971 (required = 960 → ok)

5.3.8 Step 8: Checking the peak load conditions $M_{K2\ max} < M_{K2\ per}$

Permitted peak output torque $M_{K2\ per}$:

$$M_{K2\ per} = \frac{M_{N2\ Lim}}{F_F} = \frac{139\ 240\ \text{Nm}}{1.2} = 116\ 033\ \text{Nm}$$

$M_{K2\ per}$ = Permitted peak output torque [Nm]
$M_{N2\ Lim}$ = Limited nominal gear unit torque [Nm]
F_F = Peak load factor

Calculating the peak load $M_{K2\ max}$:

$$M_{K2\ max} = M_a \times F_{Start} = 67\ 700\ \text{Nm} \times 1.5 = 101\ 550\ \text{Nm}$$

$M_{K2\ max}$ = Peak output torque [Nm]
M_a = Output torque in relation to the motor power [Nm]
F_{Start} = Startup factor

Checking the gear unit selection:

$M_{K2\ max} < M_{K2\ per}$ → OK

$M_{K2\ max}$ = Peak output torque
$M_{K2\ per}$ = Permitted peak output torque

5.3.9 Step 9: Checking the external additional forces

There are no overhung loads or axial forces in this case → OK

5.3.10 Step 10: Checking the thermal rating / heating

The ambient temperature is below 45 °C

Horizontal mounting position

→ Thermal rating is OK

5.3.11 Step 11: Selecting the lubricant:

As n_2 = 1.5 min (n_2 > 1.0 rpm), you can choose the lubricants according to the lubricant table (→ 🗎 75).

5.3.12 Step 12: Technical specification:

Example: PHF032 KF97 DRE160MC4		
Planetary gear units	P	Gear unit type
	H	Hollow shaft
	F	Flange-mounted design
	032	Gear unit size
Primary gear unit	KF	Series
	97	Gear unit size
Motor	DRE	Series
	160MC4	Size + number of poles

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5.4 Dimensioning example – Project planning with infinite fatigue strength (gearing according to DIN 3990)

5.4.1 Step 1: Drive selection data

- Application: Apron feeders
- Bevel-helical-planetary gear unit
- Hollow shaft with shrink disk and torque arm
- Required output speed n_2 = 1.5 rpm
- Required operating power at LSS P_{K2} = 10 kW
- Motor 4-pole/50 Hz in star/delta connection
- Operating period: 24 hours per day
- Cyclic duration factor: 100% cdf, 10 starts per hour
- Outdoors, dusty environment
- Ambient temperature = 0 °C...40 °C
- Installation altitude H = 10 m
- No axial or radial forces acting on the output shaft

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5.4.2 Step 2: Calculation of basic data M_{K2}, i, η

Operating torque on LSS:

$$M_{K2} = \frac{P_{K2} \times 9\,550}{n_2} \text{ [Nm]}$$

M_{K2} = operating torque at LSS [Nm]
P_{K2} = operating power at LSS [kW]
n_2 = Output speed (LSS) [rpm]

$$M_{K2} = \frac{10 \text{ kW} \times 9\,550}{1.5 \text{ min}^{-1}} = 63\,667 \text{ Nm}$$

Required gear ratio:

$$i = \frac{n_1}{n_2} = \frac{1440 \text{ min}^{-1}}{1.5 \text{ min}^{-1}} = 960$$

n_1 = Input speed (HSS) [rpm]
n_2 = Output speed (LSS) [rpm]

Efficiency:

η = 0.98

5.4.3 Step 3: Selecting the application factors $F_{s\,min}$, F_F, F_{Start}

Application-specific service factor $F_{S\,min}$

Application: Apron feeder t > 10 h → $F_{S\,min}$ = 1.5

Peak load factor F_F

Hollow shaft with shrink disk

Load per hour = 6...20 → F_F = 1.2

Startup factor F_{Start}

Motor in star/delta → F_{Start} = 1.3

t = Daily operating period

5.4.4 Step 4: Calculating the required nominal output torque M_{N2}

Constant direction of the load – constant torque:

$M_{N2} \geq M_{K2} \times F_{S\,min} = 63\,667 \text{ Nm} \times 1.5 = 95\,500 \text{ Nm}$

M_{N2} = Nominal torque [Nm]
M_{K2} = operating torque at LSS [Nm]
$F_{S\,min}$ = application-specific service factor

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5.4.5 Step 5: Selecting the planetary gear unit size M_{N2}

PHF 042 → M_{N2} = 100170 [Nm]

Size	Service life factor f_{LC}											$M_{N2\ Lim}$ [Nm]
	≤ 7.5	≤ 15	≤ 25	≤ 30	≤ 35	≤ 45	≤ 52.5	≤ 70	≤ 95	≤ 107.5	> 107.5[1]	
	M_{N2}											
P.002	29 200	26 300									24 830	49 660
P.012	46 200	41 600	38 500								36 810	73 620
P.022	64 200	60 100	55 600	54 200	54 200	54 200	54 200	54 200	54 200		51 190	102 380
P.032	86 800	84 900	78 600	76 600	76 600	76 600	76 600	76 600	76 400	73 700	69 620	139 240
P.042	111 000	111 000	103 200								**100 170**	200 340
P.052	140 600	134 500									124 060	248 120
P.062	209 100	201 400									185 660	371 320
P.072	274 600	274 600	264 500	257 300	256 400	256 400	256 400				245 660	491 320
P.082	397 100	397 100	397 100	383 500							359 400	718 800
P.092	513 900	513 900	488 900	476 200	476 200	446 300					423 000	846 000
P.102	631 300	630 800	572 300	541 800	517 300						500 000	1 000 000

1) Gearing with fatigue strenght (referring to DIN 3990)

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5.4.6 Step 6: Selecting the motor power P_M

$$P_M \geq P_{K1} = \frac{P_{K2}}{\eta} = \frac{10\ \text{kW}}{0{,}98} = 10.2\ \text{kW}$$

P_M = nominal motor power [kW]
P_{K2} = operating power at LSS [kW]

Motor selection → P_M = 11 [kW]

5.4.7 Step 7: Selection of gearmotor combination

P_m	n_2	M_a	i_{ex}	F_{Ra}[1]	M_{N2}							m
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]
11.0	**0.97**	105900	1503	289500	111000	100170	**P**	**042KF97**	**DRS**	**160M4**	1050
	1.2	85200	1209	309700	111000	100170	**PF**	**042KF97**	**DRS**	**160M4**	860
	1.5	68400	971	323000	111000	100170	**PH**	**042KF97**	**DRS**	**160M4**	1060
	1.7	61800	878	323000	111000	100170	**PHF**	**042KF97**	**DRS**	**160M4**	870

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[1+2] Selecting a combination: PHF042 KF97 DRS160M4
[3] Checking the output torque: M_a = 68 400 Nm > M_{K2} = 63 667 Nm → ok
[4] Exact gear ratio: i_{ex} = 971 (required = 960 → ok)

5.4.8 Step 8: Checking the peak load conditions $M_{K2\ max} < M_{K2\ per}$

Permitted peak output torque $M_{K2\ per}$:

$$M_{K2\ per} = \frac{M_{N2\ Lim}}{F_F} = \frac{200\ 340\ Nm}{1.3} = 154\ 108\ Nm$$

$M_{K2\ per}$ = Permitted peak output torque [Nm]
$M_{N2\ Lim}$ = limited nominal gear unit torque [Nm]
F_F = Peak load factor

Calculating the peak load $M_{K2\ max}$:

$$M_{K2\ max} = M_a \times F_{Start} = 68\ 400\ Nm \times 1.5 = 102\ 600\ Nm$$

$M_{K2\ max}$ = Peak output torque [Nm]
M_a = Output torque in relation to the motor power [Nm]
F_{Start} = Startup factor

$M_{K2\ max} < M_{K2\ per} \rightarrow$ OK

$M_{K2\ max}$ = Peak output torque
$M_{K2\ per}$ = Permitted peak output torque

5.4.9 Step 9: Checking the external additional forces

There are no overhung loads or axial forces in this case → OK

5.4.10 Step 10: Check of the thermal rating / heating

The ambient temperature is below 45 °C

Horizontal mounting position

→ Thermal rating is OK

5.4.11 Step 11: Selecting the lubricant:

As n_2 = 1.5 rpm (n_2 > 1.0 rpm), you can choose the lubricants according to the lubricant table (→ 🗎 75).

5.4.12 Step 12: Technical specification:

Example: PHF042 /T KF97 DRS160M4		
Planetary gear unit	P	Gear unit type
	H	Hollow shaft
	F	Flange-mounted design
	042	Gear unit size
Primary gear unit	KF	Series
	97	Gear unit size
Motor	DRS	Series
	160M	Size + number of poles

With labyrinth seal on the output shaft

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6 Lubricants

6.1 Guidelines for lubricant selection

SEW-EURODRIVE delivers the planetary gear units without oil and the primary gear units filled with oil.

Generally it is possible to have the planetary gear unit delivered with oil.

INFORMATION

- The oil viscosity and type (mineral/synthetic) to be used are determined by SEW-EURODRIVE specifically for each order. This information is noted in the order confirmation and on the gear unit's nameplate.You must contact SEW-EURODRIVE in case of a deviation from this specification.This lubricant recommendation in chapter "Lubricant table" in no way represents a guarantee as to the quality of the lubricant delivered by each respective supplier. Each lubricant manufacturer is responsible for the quality of its product.
- Ensure that the planetary gear units and primary gear units are filled with the correct oil grade and volume before startup. You can obtain the corresponding information from the gear unit nameplate and the lubricant table on the following pages.
- Do not mix different synthetic lubricants and do not mix synthetic with mineral lubricants.
- Check the compatibility of the used greases and oils.

6.2 Lubricant tables

6.2.1 General

The lubricant table on the following page shows the permitted lubricants for planetary gear units with output speeds ≥ 1.0 rpm. Observe the following key to the lubricant table.

6.2.2 Permitted lubricants

INFORMATION

- The standard for viscosity and oil grade is the type of oil that is specified by SEW-EURODRIVE in the order (see order confirmation and nameplate).
- Consult SEW-EURODRIVE if you use bio and food grade lubricants or polyglycol oils.
- Check the compatibility of the greases and oils used.
- At least one manufacturer-specific oil type is available for each permitted lubricant variant for planetary gear units delivered with oil.

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Information and key for lubricant table

The lubricant table shows the permitted lubricants for SEW-EURODRIVE industrial gear units. This information is provided to preselect the lubricant. The proper and final lubricant selection is made by SEW-EURODRIVE to match the specific project. Observe the abbreviations used, the meaning of shading, and the notes.

Symbol	Designation
CLP	= Mineral oil
CLP HC	= Synthetic polyalphaolefin
E	= Ester oil (water hazard classification 1 (German regulation WKG 1))
	= Mineral lubricant
	= Synthetic lubricant
3)	= Lubricants may only be used if service factor $F_s \geq 1.3$
4)	= Take into account critical starting behavior at low ambient temperatures
6)	= Ambient temperatures
	= Lubricant for the food industry (food grade oil)
	= Biodegradable oil (lubricant for agriculture, forestry, and water management)

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Lubricant table

6) °C	DIN (ISO)	ISO,NLGI	Mobil®	Shell	bp	Klüber Lubrication	Texaco	Castrol Tribol	Castrol Optimol	Fuchs	Q8	Total
-10 +40	CLP CC	VG 320	Mobilgear 600XP 320	Shell Omala F 320	BP Energol GR-XP-320	Klüberoil GEM 1-320 N	Meropa 320	Alpha SP 320 Tribol 1100/320	Optigear BM 320	Renolin CLP 320 Plus Renolin High Gear 320	Goya NT 320	Carter EP 320
3) -20 +20	CLP CC	VG 150	Mobilgear 600XP 150		BP Energol GR-XP-150	Klüberoil GEM 1-150 N	Meropa 150	Alpha SP 150 Tribol 1100/150	Optigear BM 150	Renolin CLP 150 Plus Renolin High Gear 150	Goya NT 150	
-15 +30	CLPCC	VG 220	Mobilgear 600XP 220	Shell Omala F 220	BP Energol GR-XP-220	Klüberoil GEM 1-220 N	Meropa 220	Alpha SP 220 Tribol 1100/220	Optigear BM 220	Renolin CLP 220 Plus Renolin High Gear 220	Goya NT 220	Carter EP 220
-5 +45	CLP CC	VG 460	Mobilgear 600XP 460	Shell Omala F 460	BP Energol GR-XP-460	Klüberoil GEM 1-460 N	Meropa 460	Alpha SP 460 Tribol 1100/460	Optigear BM 460	Renolin CLP 460 Plus Renolin High Gear 460	Goya NT 460	Carter EP 460
0 +50	CLP CC	VG 680	Mobilgear 600XP 680		BP Energol GR-XP-680	Klüberoil GEM 1-680 N	Meropa 680	Alpha SP 680 Tribol 1100/680	Optigear BM 680	Renolin CLP 680 Plus Renolin High Gear 680	Goya NT 680	Carter EP 680
+5 +60	CLP CC	VG 1000						Tribol 1100/1000				
-25 +40	CLP HC	VG 320	Mobil SHC Gear 320 Mobil SHC 632	Shell Omala S4 GX 320	BP Enersyn EP-XF-320	Klübersynth GEM 4-320 N	Pinnacle EP 320	Alphasyn EP 320	Optigear Synthetic X 320	Renolin Unisyn CLP 320 Renolin High Gear Synth 320	El Greco 320	Carter SH 320
3)4) -40 -10	CLP HC	VG 32	Mobil SHC 624									
3)4) -40 +10	CLP HC	VG 68	Mobil SHC 626	Shell Omala S4 GX68	BP Enersyn EP-XF-68	Klübersynth GEM 4-68 N			Optigear Synthetic X 68	Reolin Unisyn CLP 68		
-35 +20	CLP HC	VG 150	Mobil SHC Gear 150 Mobil SHC 629	Shell Omala S4 GX 150	BP Enersyn EP-XF-150	Klübersynth GEM 4-150 N	Pinnacle EP 150	Alphasyn EP 150	Optigear Synthetic X 150	Reolin Unisyn CLP 150	El Greco 150	Carter SH 150
-30 +30	CLP HC	VG 220	Mobil SHC Gear 220 Mobil SHC 630	Shell Omala S4 GX 220	BP Enersyn EP-XF-220	Klübersynth GEM 4-220 N	Pinnacle EP 220	Alphasyn EP 220	Optigear Synthetic X 220	Renolin Unisyn CLP 220 Renolin High Gear Synth 220	El Greco 220	Carter SH 220
-20 +50	CLP HC	VG 460	Mobil SHC Gear 460 Mobil SHC 634	Shell Omala S4 GX 460	BP Enersyn EP-XF-460	Klübersynth GEM 4-460 N	Pinnacle EP 460	Alphasyn EP 460	Optigear Synthetic X 460	Renolin Unisyn CLP 460 Renolin High Gear Synth 460	El Greco 460	Carter SH 460
-10 +60	CLP HC	VG 680	Mobil SHC Gear 680 Mobil SHC 636	Shell Omala S4 GX 680	BP Enersyn EP-XF-680	Klübersynth GEM 4-680 N	Pinnacle EP 680		Optigear Synthetic X 680	Reolin Unisyn CLP 680	El Greco 680	Carter SH 680
0 +70	CLP HC	VG 1000	Mobil SHC Gear 1000 Mobil SHC 639			Klübersynth GEM 4-1000 N						
3) -10 +30	CLP HC NSF H1	VG 460				Klüberöl 4UH1-460 N			Optileb GT 460	Cassida Fluid GL 460		
3) -20 +20		VG 220				Klüberöl 4UH1-220 N			Optileb GT 220	Cassida Fluid GL 220		
3)4) -40 -10		VG 68				Klüberöl 4UH1-68 N			Optileb HY 68	Cassida Fluid GL 68		
-20 +40	E	VG 460		Shell Naturelle Gear Fluid EP 460		Klüberbio CA2-460				Plantogear 460 S		

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6.3 Lubricant fill quantities

The specified lubricant fill quantities are **guide values** and apply only to the gear unit without mount-on components such as the oil supply system. The precise value varies depending on the gear ratio and the number of stages.

INFORMATION

- The oil chambers of the primary gear unit and the planetary gear unit are separated for standard designs.
- Planetary gear units are supplied without lubricant!
- RF.., KF.., and K.. gear units are filled with lubricant at the factory depending on the mounting position.
- For pivoted mounting positions, adhere to the lubricant fill quantity on the nameplates.

6.3.1 Planetary gear units

The following table shows the lubricant fill quantity.

Size	Mounting position					
	M1	M2	M3	M4	M5	M6
	Liters [l]					
P.002	5	9	5	7	5	5
P.012	7	12	7	10	7	7
P.022	9	14	9	11	9	9
P.032	12	21	12	18	12	12
P.042	16	30	16	25	16	16
P.052	20	36	20	30	20	20
P.062	28	54	28	49	28	28
P.072	35	67	35	59	35	35
P.082	49	94	49	81	49	49
P.092	62	134	62	103	62	62
P.102	71	153	71	121	71	71

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6.3.2 Helical (RF) primary gear units

INFORMATION

The lubricant fill quantity depends on the mounting position of the planetary gear unit and the mounting position of the RF primary gear unit. For notes on the mounting positions of RF primary gear units, see chapter 4.3.

The following table shows the lubricant fill quantity.

Size	Fill quantities in liters					
	M1	M2	M3	M4	M5	M6
	0°	0°	180 °	0°	270 °	90 °
RF77	1.2	3.10	3.30	3.60	2.40	3.00
RF87	2.4	6.4	7.1	7.2	6.3	6.4
RF97	5.1	11.9	11.2	14.0	11.2	11.8
RF107	6.3	15.9	17.0	19.2	13.1	15.9
RF137	9.5	27.0	29.0	32.5	25.0	25.0
RF147	16.4	47.0	48.0	52.0	42.0	42.0
RF167	26.0	82.0	78.0	88.0	65.0	71.0

M1 / M2 / M3 / M4 / M5 / M6 = Mounting positions of planetary gear units

0° / 90° / 180° / 270° = Mounting positions of helical (RF) primary gear units

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6.3.3 Bevel (KF/K) primary gear units

INFORMATION

The lubricant fill quantity depends on the mounting position of the planetary gear unit and the mounting position of the KF and K primary gearmotor. For notes on the mounting positions of KF and K primary gear units, see chapter 4.2.

The table below shows the lubricant fill quantities.

Size	Fill quantity in liters											
	M1				M2				M3			
	0° A	90 ° A	180° B	270 ° A	0° A	90 ° A	180 ° A	270 ° A	0 ° B	90 ° A	180 ° A	270 ° A
KF67	1.1	2.4	1.1	3.7	2.7	2.7	2.7	2.7	1.1	3.7	1.1	2.4
KF77	2.1	4.1	2.1	5.9	4.5	4.5	4.5	4.5	2.1	5.9	2.1	4.1
KF87	3.7	8.2	3.7	11.9	8.4	8.4	8.4	8.4	3.7	11.9	3.7	8.2
KF97	7.0	14.7	7.0	21.5	16.5	16.5	16.5	16.5	7.0	21.5	7.0	14.7
KF107	10.0	21.8	10.0	35.1	25.2	25.2	25.2	25.2	10.0	35.1	10.0	21.8
KF127	21.0	41.5	21.0	55.0	41.0	41.0	41.0	41.0	21.0	55.0	21.0	41.5
KF157	31.0	66	31.0	92.0	62.0	62.0	62.0	62.0	31.0	92.0	31.0	66.0
K167	33	95	33	123	95	84	84	84	105	33	105	85
K187	53	152	53	200	152	143	143	143	167	53	167	143

Size	Fill quantity in liters											
	M4				M5				M6			
	0° A	90 ° A	180° B	270 ° A	0° A	90 ° B	180 ° A	270 ° A	0 ° B	90 ° A	180 ° A	270 ° B
KF67	2.7	2.7	2.7	2.7	2.4	1.1	3.7	1.1	3.7	1.1	2.4	1.1
KF77	4.5	4.5	4.5	4.5	4.1	2.1	5.9	2.1	5.9	2.1	4.1	2.1
KF87	8.4	8.4	8.4	8.4	8.2	3.7	11.9	3.7	11.9	3.7	8.2	3.7
KF97	15.7	15.7	15.7	15.7	14.7	7.0	21.5	7.0	21.5	7.0	14.7	7.0
KF107	25.2	25.2	25.2	25.2	21.8	10.0	35.1	10.0	35.1	10.0	21.8	10.0
KF127	41.0	41.0	41.0	41.0	41.5	21.0	55.0	21.0	55.0	21.0	41.5	21.0
KF157	62.0	62.0	62.0	62.0	66.0	31.0	92.0	31.0	92.0	31.0	66.0	31.0
K167	123	123	123	123	85	33	123	33	84	33	95	33
K187	200	200	200	200	143	53	200	53	143	53	152	53

M1 / M2 / M3 / M4 / M5 / M6 = Mounting positions of planetary gear units
0° / 90° / 180° / 270° = Mounting positions of bevel (KF/K) primary gear units
A / B = Position of the mounting flange at the primary bevel gear unit

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6.4 Sealing greases / rolling bearing greases

The following overview shows the greases recommended by SEW-EURODRIVE.

They are recommended for operating temperatures from -20 °C to 100 °C.

Manufacturer	Grease
ARAL	ARALUB HLP 2
BP	Energrease LS-EPS
Castrol	Spheerol EPL2
Fuchs	Renolit CX TOM 15 OEM
Klüber	Centoplex EP2
Kuwait	Q8 Rembrandt EP2
Mobil	Mobilux EP 2
Shell	Alvania EP2
Texaco	Mulifak EP 2
Total	Multis EP 2

INFORMATION

If users wants to use another grease, they are responsible for obtaining a confirmation from the lubricant manufacturer or supplier approving that the chosen grease is suited for the intended application and that the grease properties meet at least the requirements of the greases listed in the table.

6.5 Comments

6.5.1 Planetary gearmotor with common oil chamber (special design)

INFORMATION

Lubricant fill quantity and viscosity depend on the data given on the nameplate of the planetary gear unit. The planetary gear unit and the primary gear unit will be delivered without oil fill.

6.5.2 Selecting the viscosity when using mineral oil

INFORMATION

If surface temperatures exceed 100 °C, contact SEW-EURODRIVE.

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7 Options

The following additional options are available. Contact SEW-EURODRIVE if you need them.

- ATEX version
- Double-sided torque arm
- Output shaft types
  - Solid shaft design
  - Two keys
  - Smooth shaft (no key)
  - Splined hollow shaft according to DIN 5480
- Output shaft (LSS) sealing system
  - Labyrinth seal

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7.1 Torque arm

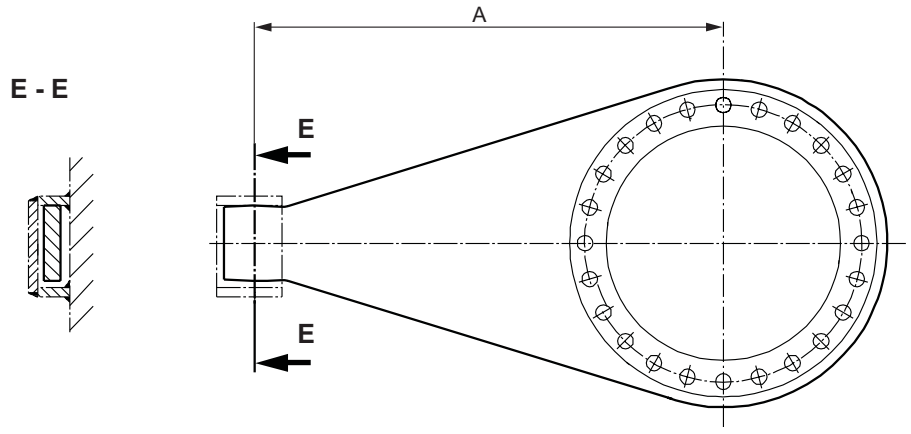
7.1.1 Single-sided torque arm

The reaction torque to the gear unit output torque is absorbed by the torque arm fixture via lever arm A. The illustration shows an example of absorption in a welded construction with design dimensions. Two supporting plates with the suggested dimensions are welded onto the customer's structure. Once the gear unit has been mounted, a connecting cover plate is welded onto the two supporting plates. The force acting on the support is the gear unit torque divided by the length of the lever arm A. The reaction force acts on the gear unit and customer bearings.

INFORMATION

See chapters 10.5 and 11.5 for detailed dimensions of the torque arm.

The following figure shows a sample torque arm.



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Weights

Size	Weight [kg]
P.002	25
P.012	25
P.022	48
P.032	58
P.042	93
P.052	102
P.062	183
P.072	317
P.082	420
P.092	440
P.102	510

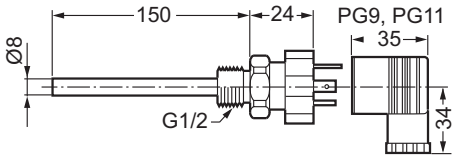
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7.2 Temperature sensor PT100

The PT100 temperature sensor can be used to measure the temperature of the gear unit oil.

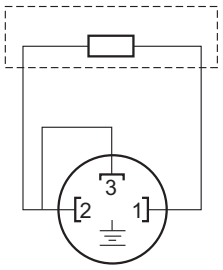
The temperature sensor is located in the oil sump of the gear unit. The exact position depends on the gear unit variant.

7.2.1 Dimensions



6353203723

7.2.2 Electrical connection



6353206411

[1] / [2] Resistor element connection

7.2.3 Technical data

- Design with thermowell and changeable measuring insert
- Sensor tolerance [K] ± (0.3 + 0.005 x T), (corresponds to DIN IEC 751 class B),
  T = Oil temperature [°C]
- Plug connector DIN 43650 PG9 (IP65)
- The tightening torque for the retaining screw in the back of the plug connector for electrical connection is 0.25 Nm.

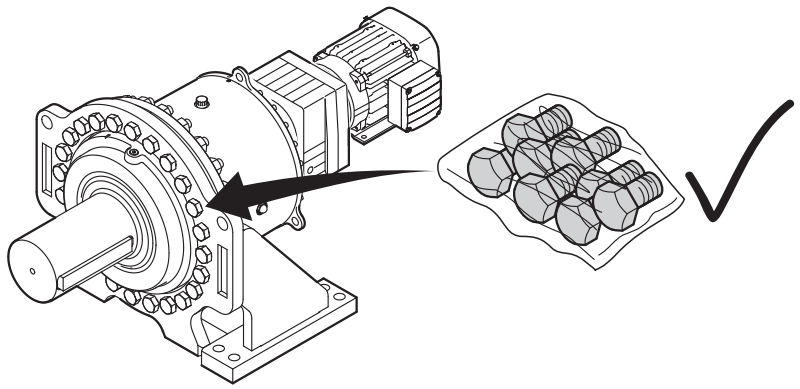
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8 Design and operating notes

8.1 Screws included in the scope of delivery

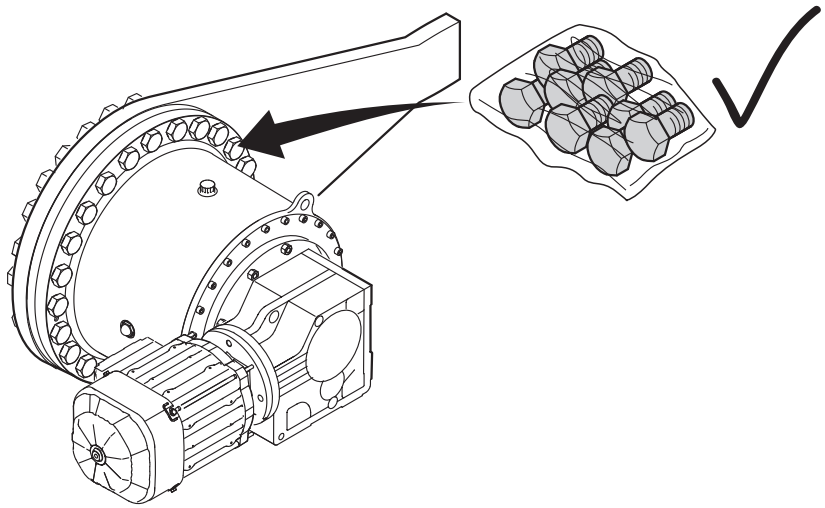
For the following gear unit variants, the screws are included in the **scope of delivery**:

- Foot-mounted gear unit



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- Gear unit with torque arm

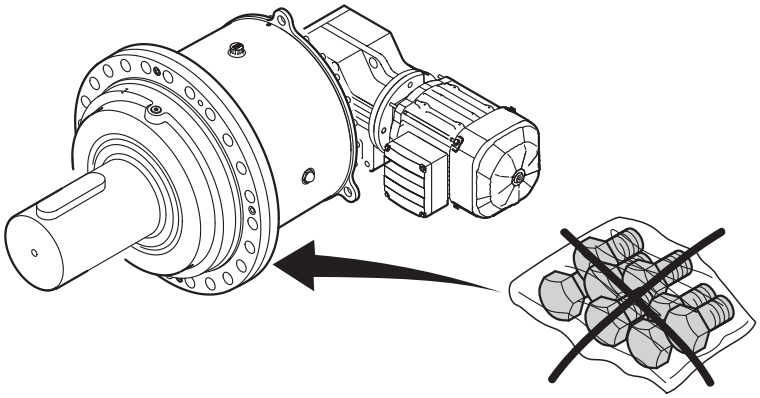


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Not included in the scope of delivery:

- Set of wrenches
- Torque wrench
- Mounting device
- Compensation elements (shims, spacer rings), if necessary
- Fasteners for input and output elements
- Lubricant e.g. NOCO® fluid from SEW-EURODRIVE
- Aids for assembly/disassembly onto the machine shaft
- Fasteners for the gear unit base
- Connection screws for flange-mounted gear units



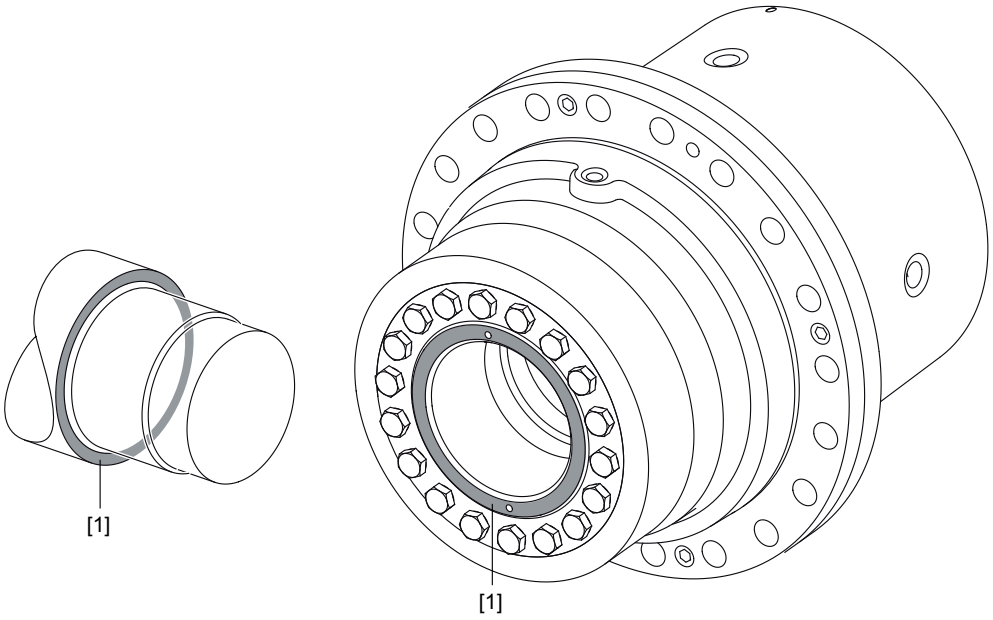
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8.2 Output shaft as hollow shaft with shrink disk

To guarantee a complete torque transmission from the gear unit to the machine shaft, observe the following procedure during construction and assembly.

Push the gear unit onto the machine shaft until the contact surfaces [1] touch.



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9 Important information on selection tables and dimension drawings

The following pages contain important information for chapters 10 and 11.

INFORMATION

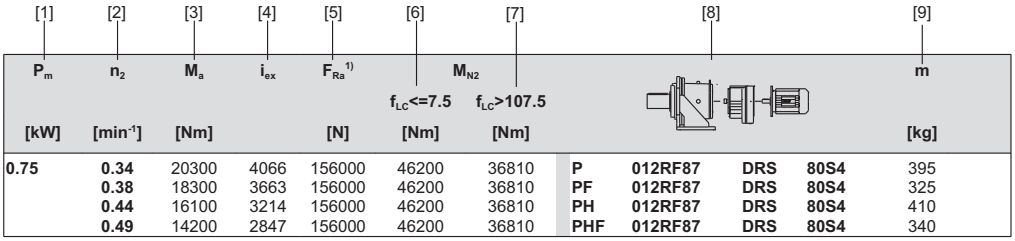
Unless specified otherwise, all dimensions are given in **mm**.

9.1 Selection tables

INFORMATION

The selection tables show possible gear unit combinations. Different gear ratio ranges and options are possible. X.. series gear units are used as primary gear unit in this case. Please contact SEW-EURODRIVE.

The following figure shows the structure of the selection tables.



0.75	**0.34**	20300	4066	156000	46200	36810	**P**	**012RF87**	**DRS**	**80S4**	395
	0.38	18300	3663	156000	46200	36810	**PF**	**012RF87**	**DRS**	**80S4**	325
	0.44	16100	3214	156000	46200	36810	**PH**	**012RF87**	**DRS**	**80S4**	410
	0.49	14200	2847	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**80S4**	340

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[1] Nominal motor power
[2] Output speed
[3] Output torque in relation to motor power
[4] Gear unit ratio
[5] Permitted radial load at LSS
1) Overhung load for foot-mounted gear units with solid shaft; overhung loads for other gear unit types upon request
[6] Nominal gear unit torque for project planning with defined service life for $f_{LC} \leq 7.5$
[7] Nominal gear unit torque for project planning with gearing with infinite fatigue strength referring to DIN 3990 ($f_{LC} > 107.5$)
[8] Gear unit type
[9] Weight

9.2 Dimension sheets

9.2.1 Scope of delivery

= Standard parts supplied by SEW-EURODRIVE.

= Standard parts not supplied by SEW-EURODRIVE.

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9.2.2 Tolerances

Keys

Keys: according to DIN 6885 (domed type A)

Spline

Splined shaft according to DIN 5480

9.2.3 Foot-mounted design

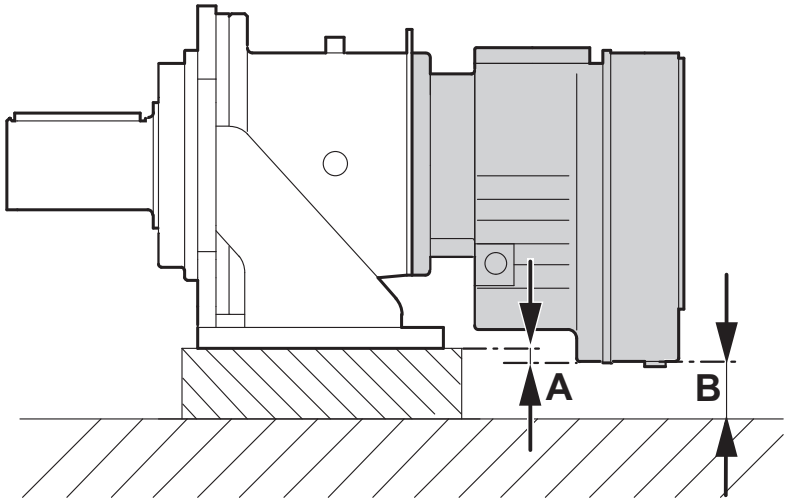
With the following combinations of foot-mounted planetary gear units with primary gear unit RF.. / KF.. / K.., the primary gear unit might protrude under the mounting surface.

INFORMATION

For the following gear unit combinations, take account of **dimension A**. The customer base construction must be prepared accordingly. In addition, you need enough room to perform an oil change. The customer has to specify a **dimension B** for this purpose.

Sizes/combinations			Dimension A [mm]
	RF..	KF.. / K..	
P.002	-	97	10
P.012	-	107	32.5
P.022	-	107	2.5
P.022	137	-	7.5
P.032	147	-	18.5
P.092	-	187	15

The following figure shows an example of a planetary gear unit with RF.. primary gear unit.



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9.2.4 Oil expansion tank / oil riser pipe

In mounting position M2, there is an oil expansion tank mounted on the gear unit and in mounting position M4, an oil riser pipe is fitted. The dimensions specified in chapters 10.6/10.7 and 11.6/11.7 are guide values. Please contact SEW-EURODRIVE if there is little space available for installing.

9.2.5 Dimensions of motors and planetary gear units

Motor options

The motor dimensions can change when installing motor options. Refer to the dimension drawings of the motor options.

Special designs

The dimensions of the terminal box on special designs such as KS, CSA, VIK, low voltage or voltage changeover may deviate from the standard dimensions.

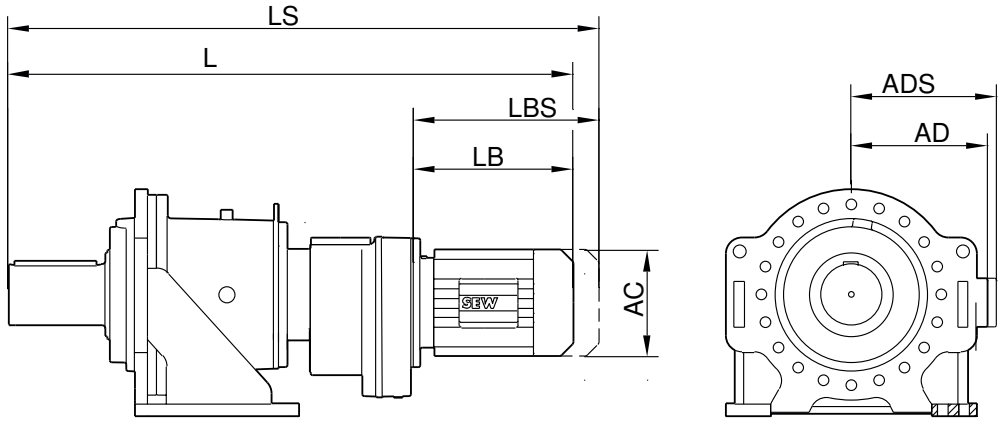
EN 50347

European standard EN 50347 became effective in August 2001. This standard adopts the dimension designations for three-phase AC motors for sizes 56 to 315M and flange sizes 65 to 740 from the IEC 72-1 standard.

The new dimension designations given in EN 50347 / IEC 72-1 are used for the dimensions in question in the dimension tables of the dimensions sheets.

Dimension designations

The dimensions of the planetary gearmotor are described below. They are specified in chapters 10.5 and 11.5.



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L = Total length of the planetary gearmotor

LS = Total length of planetary gearmotor including brake

LB = Length of the motor

LBS = Length of the brakemotor

AC = Diameter of the motor

AD = Distance between center of motor shaft and top part of terminal box

ADS = Distance between center of brakemotor shaft and top part of terminal box

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10 P.RF.. helical planetary gearmotors

10.1 Guide to dimension sheets

10.1.1 P.. foot-mounted gear units

Size	M_{N2} [Nm]	Dimension sheets / Page number						
		RF77	RF87	RF97	RF107	RF137	RF147	RF167
P002	24 830	176	178	180	182	-	-	-
P012	36 810	184	186	188	190	-	-	-
P022	51 190	-	192	194	196	198	-	-
P032	69 620	-	-	200	202	204	206	-
P042	100 170	-	-	-	208	210	212	-
P052	124 060	-	-	-	214	216	218	-
P062	185 660	-	-	-	-	220	222	-
P072	245 660	-	-	-	-	-	224	226
P082	359 400	-	-	-	-	-	228	230
P092	423 000	-	-	-	-	-	-	232
P102	500 000	-	-	-	-	-	-	234

10.1.2 PF.. flange-mounted gear units

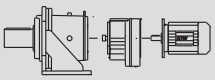
Size	M_{N2} [Nm]	Dimension sheets / Page number						
		RF77	RF87	RF97	RF107	RF137	RF147	RF167
PF002	24 830	177	179	181	183	-	-	-
PF012	36 810	185	187	189	191	-	-	-
PF022	51 190	-	193	195	197	199	-	-
PF032	69 620	-	-	201	203	205	207	-
PF042	100 170	-	-	-	209	211	213	-
PF052	124 060	-	-	-	215	217	219	-
PF062	185 660	-	-	-	-	221	223	-
PF072	245 660	-	-	-	-	-	225	227
PF082	359 400	-	-	-	-	-	229	231
PF092	423 000	-	-	-	-	-	-	233
PF102	500 000	-	-	-	-	-	-	235

10.1.3 Motor adapters

	Dimension sheets / Page number						
	RF77	RF87	RF97	RF107	RF137	RF147	RF167
Adapter for mounting IEC motors P..RF..AM..	238	238	238	239	239	239	239
Adapter for mounting NEMA motors P..RF..AM..	240	240	240	241	241	241	241
Input shaft assembly P..RF..AD..	242	242	242	242	242	242	242
Motor adapter AQA	243	243	244	244	244	244	-

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10.2 IE1 motor standard – selection tables

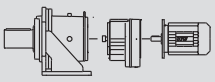
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
0.75	**0.34**	20300	4066	156000	46200	36810	**P**	**012RF87**	**DRS**	**80S4**	395	186
	0.38	18300	3663	156000	46200	36810	**PF**	**012RF87**	**DRS**	**80S4**	325	187
	0.44	16100	3214	156000	46200	36810	**PH**	**012RF87**	**DRS**	**80S4**	410	186
	0.49	14200	2847	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**80S4**	340	187
	0.44	16000	3209	156000	-	31500	**P**	**012RF77**	**DRS**	**80S4**	365	184
	0.46	15100	3030	156000	-	31500	**PF**	**012RF77**	**DRS**	**80S4**	295	185
							PH	**012RF77**	**DRS**	**80S4**	380	184
							PHF	**012RF77**	**DRS**	**80S4**	310	185
	0.35	20300	4051	123800	29200	24830	**P**	**002RF87**	**DRS**	**80S4**	315	178
	0.38	18200	3649	124000	29200	24830	**PF**	**002RF87**	**DRS**	**80S4**	255	179
							PH	**002RF87**	**DRS**	**80S4**	320	178
							PHF	**002RF87**	**DRS**	**80S4**	260	179
	0.44	16000	3197	124000	-	24830	**P**	**002RF77**	**DRS**	**80S4**	285	176
	0.46	15100	3018	124000	-	24830	**PF**	**002RF77**	**DRS**	**80S4**	230	177
	0.54	12800	2570	124000	29200	24830	**PH**	**002RF77**	**DRS**	**80S4**	290	176
	0.62	11300	2254	124000	29200	24830	**PHF**	**002RF77**	**DRS**	**80S4**	230	177
	0.69	10200	2035	124000	29200	24830						
	0.78	8970	1790	124000	29200	24830						
	0.83	8470	1691	124000	29200	24830						
	0.97	7210	1439	124000	29200	24830						
1.1	**0.35**	29600	4066	197000	-	51190	**P**	**022RF87**	**DRS**	**80M4**	550	192
	0.38	26700	3663	197000	-	51190	**PF**	**022RF87**	**DRS**	**80M4**	445	193
							PH	**022RF87**	**DRS**	**80M4**	560	192
							PHF	**022RF87**	**DRS**	**80M4**	460	193
	0.35	29600	4066	156000	46200	36810	**P**	**012RF87**	**DRS**	**80M4**	400	186
	0.38	26700	3663	156000	46200	36810	**PF**	**012RF87**	**DRS**	**80M4**	330	187
	0.44	23400	3214	156000	46200	36810	**PH**	**012RF87**	**DRS**	**80M4**	410	186
	0.50	20700	2847	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**80M4**	340	187
	0.56	18200	2498	156000	46200	36810						
	0.60	17200	2368	156000	46200	36810						
	0.68	15100	2072	156000	46200	36810						
	0.62	16500	2263	156000	-	31500	**P**	**012RF77**	**DRS**	**80M4**	370	184
	0.69	14900	2043	156000	-	31500	**PF**	**012RF77**	**DRS**	**80M4**	300	185
							PH	**012RF77**	**DRS**	**80M4**	385	184
							PHF	**012RF77**	**DRS**	**80M4**	315	185
	0.39	26600	3649	114900	29200	24830	**P**	**002RF87**	**DRS**	**80M4**	320	178
	0.44	23300	3201	119800	29200	24830	**PF**	**002RF87**	**DRS**	**80M4**	260	179
	0.50	20700	2836	123300	29200	24830	**PH**	**002RF87**	**DRS**	**80M4**	320	178
	0.57	18100	2489	124000	29200	24830	**PHF**	**002RF87**	**DRS**	**80M4**	265	179
	0.63	16400	2254	124000	29200	24830	**P**	**002RF77**	**DRS**	**80M4**	290	176
	0.69	14800	2035	124000	29200	24830	**PF**	**002RF77**	**DRS**	**80M4**	230	177
	0.79	13000	1790	124000	29200	24830	**PH**	**002RF77**	**DRS**	**80M4**	295	176
	0.83	12300	1691	124000	29200	24830	**PHF**	**002RF77**	**DRS**	**80M4**	235	177
	0.98	10500	1439	124000	29200	24830						
	1.1	9550	1308	124000	29200	24830						
	1.2	8270	1133	124000	29200	24830						
	1.4	7200	986	124000	29200	24830						
1.5	**0.34**	40800	4058	197000	-	51190	**P**	**022RF97**	**DRS**	**90M4**	600	194
	0.38	36500	3628	197000	-	51190	**PF**	**022RF97**	**DRS**	**90M4**	500	195
							PH	**022RF97**	**DRS**	**90M4**	620	194
							PHF	**022RF97**	**DRS**	**90M4**	520	195
	0.43	32300	3214	197000	-	51190	**P**	**022RF87**	**DRS**	**90M4**	550	192
	0.49	28600	2847	197000	-	51190	**PF**	**022RF87**	**DRS**	**90M4**	450	193
	0.56	25100	2498	197000	-	51190	**PH**	**022RF87**	**DRS**	**90M4**	570	192
							PHF	**022RF87**	**DRS**	**90M4**	465	193
	0.34	40800	4058	156000	46200	36810	**P**	**012RF97**	**DRS**	**90M4**	455	188
							PF	**012RF97**	**DRS**	**90M4**	385	189
							PH	**012RF97**	**DRS**	**90M4**	470	188
							PHF	**012RF97**	**DRS**	**90M4**	400	189

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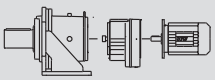
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
1.5	**0.34**	40900	4066	156000	46200	36810	**P**	**012RF87**	**DRS**	**90M4**	400	186
	0.38	36800	3663	156000	46200	36810	**PF**	**012RF87**	**DRS**	**90M4**	330	187
	0.43	32300	3214	156000	46200	36810	**PH**	**012RF87**	**DRS**	**90M4**	415	186
	0.49	28600	2847	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**90M4**	345	187
	0.56	25100	2498	156000	46200	36810						
	0.59	23800	2368	156000	46200	36810						
	0.67	20800	2072	156000	46200	36810						
	0.75	18700	1867	156000	46200	36810						
	0.85	16400	1637	156000	46200	36810						
	0.82	17000	1697	156000	-	31500	**P**	**012RF77**	**DRS**	**90M4**	375	184
	0.97	14500	1445	156000	-	31500	**PF**	**012RF77**	**DRS**	**90M4**	305	185
							PH	**012RF77**	**DRS**	**90M4**	385	184
							PHF	**012RF77**	**DRS**	**90M4**	315	185
	0.49	28500	2836	111800	29200	24830	**P**	**002RF87**	**DRS**	**90M4**	320	178
	0.56	25000	2489	117400	29200	24830	**PF**	**002RF87**	**DRS**	**90M4**	265	179
	0.59	23700	2358	119300	29200	24830	**PH**	**002RF87**	**DRS**	**90M4**	325	178
	0.68	20700	2064	123200	29200	24830	**PHF**	**002RF87**	**DRS**	**90M4**	270	179
	0.54	25800	2570	116100	29200	24830	**P**	**002RF77**	**DRS**	**90M4**	295	176
	0.78	18000	1790	124000	29200	24830	**PF**	**002RF77**	**DRS**	**90M4**	235	177
	0.83	17000	1691	124000	29200	24830	**PH**	**002RF77**	**DRS**	**90M4**	295	176
	0.97	14400	1439	124000	29200	24830	**PHF**	**002RF77**	**DRS**	**90M4**	240	177
	1.1	13100	1308	124000	29200	24830						
	1.2	11400	1133	124000	29200	24830						
	1.4	9920	986	124000	29200	24830						
	1.5	9190	913	124000	-	24830	**P**	**002RF77**	**DRS**	**90M4**	290	176
	1.7	8420	837	124000	-	24830	**PF**	**002RF77**	**DRS**	**90M4**	235	177
	1.9	7390	735	124000	-	24830	**PH**	**002RF77**	**DRS**	**90M4**	295	176
							PHF	**002RF77**	**DRS**	**90M4**	235	177
2.2	**0.35**	59100	4022	323000	111000	100170	**P**	**042RF107**	**DRS**	**90L4**	980	208
	0.38	53400	3637	323000	111000	100170	**PF**	**042RF107**	**DRS**	**90L4**	790	209
							PH	**042RF107**	**DRS**	**90L4**	990	208
							PHF	**042RF107**	**DRS**	**90L4**	800	209
	0.35	59100	4022	235800	86800	69620	**P**	**032RF107**	**DRS**	**90L4**	740	202
	0.38	53400	3637	241800	86800	69620	**PF**	**032RF107**	**DRS**	**90L4**	610	203
	0.45	45300	3082	249400	86800	69620	**PH**	**032RF107**	**DRS**	**90L4**	760	202
	0.49	42000	2859	252000	86800	69620	**PHF**	**032RF107**	**DRS**	**90L4**	640	203
	0.43	47900	3262	247100	-	69620	**P**	**032RF97**	**DRS**	**90L4**	690	200
	0.55	37600	2558	252000	-	69620	**PF**	**032RF97**	**DRS**	**90L4**	560	201
							PH	**032RF97**	**DRS**	**90L4**	710	200
							PHF	**032RF97**	**DRS**	**90L4**	590	201
	0.34	59600	4058	176900	-	51190	**P**	**022RF97**	**DRS**	**90L4**	610	194
	0.39	53300	3628	187500	-	51190	**PF**	**022RF97**	**DRS**	**90L4**	500	195
	0.43	47900	3262	195400	-	51190	**PH**	**022RF97**	**DRS**	**90L4**	620	194
	0.49	41600	2831	197000	-	51190	**PHF**	**022RF97**	**DRS**	**90L4**	520	195
	0.55	37600	2558	197000	-	51190						
	0.60	34500	2351	197000	-	51190						
	0.67	30700	2087	197000	-	51190						
	0.68	30400	2072	197000	-	51190	**P**	**022RF87**	**DRS**	**90L4**	550	192
							PF	**022RF87**	**DRS**	**90L4**	450	193
							PH	**022RF87**	**DRS**	**90L4**	570	192
							PHF	**022RF87**	**DRS**	**90L4**	465	193
	0.49	41600	2831	156000	46200	36810	**P**	**012RF97**	**DRS**	**90L4**	455	188
	0.67	30700	2087	156000	46200	36810	**PF**	**012RF97**	**DRS**	**90L4**	385	189
							PH	**012RF97**	**DRS**	**90L4**	470	188
							PHF	**012RF97**	**DRS**	**90L4**	400	189
	0.49	41800	2847	156000	46200	36810	**P**	**012RF87**	**DRS**	**90L4**	405	186
	0.56	36700	2498	156000	46200	36810	**PF**	**012RF87**	**DRS**	**90L4**	335	187
	0.59	34800	2368	156000	46200	36810	**PH**	**012RF87**	**DRS**	**90L4**	420	186
	0.68	30400	2072	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**90L4**	350	187
	0.75	27400	1867	156000	46200	36810						
	0.85	24000	1637	156000	46200	36810						
	0.97	21200	1445	156000	-	36810						
	1.1	18800	1281	156000	46200	36810						
	1.3	16000	1094	156000	46200	36810						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
2.2	1.2	16700	1138	156000	-	31500	P	012RF77	DRS	90L4	375	184
	1.4	14500	990	156000	-	29900	PF	012RF77	DRS	90L4	305	185
							PH	012RF77	DRS	90L4	390	184
							PHF	012RF77	DRS	90L4	320	185
	0.86	23900	1631	118900	29200	24830	P	002RF87	DRS	90L4	325	178
	0.97	21100	1440	122700	29200	24830	PF	002RF87	DRS	90L4	265	179
	1.1	18700	1276	124000	29200	24830	PH	002RF87	DRS	90L4	330	178
							PHF	002RF87	DRS	90L4	270	179
	0.78	26300	1790	115400	29200	24830	P	002RF77	DRS	90L4	295	176
	1.2	16600	1133	124000	29200	24830	PF	002RF77	DRS	90L4	235	177
	1.4	14500	986	124000	29200	24830	PH	002RF77	DRS	90L4	300	176
							PHF	002RF77	DRS	90L4	240	177
	1.5	13400	913	124000	-	24830	P	002RF77	DRS	90L4	295	176
	1.7	12300	837	124000	-	24830	PF	002RF77	DRS	90L4	235	177
	1.9	10800	735	124000	-	24830	PH	002RF77	DRS	90L4	300	176
	2.3	8960	610	124000	-	24830	PHF	002RF77	DRS	90L4	240	177
	2.6	8070	549	124000	-	24830						
	2.9	7080	482	124000	-	24830						
3.0	0.35	80600	4022	364000	140600	124060	P	052RF107	DRS	100M4	1130	214
	0.38	72900	3637	364000	140600	124060	PF	052RF107	DRS	100M4	930	215
							PH	052RF107	DRS	100M4	1120	214
							PHF	052RF107	DRS	100M4	920	215
	0.35	80600	4022	313500	111000	100170	P	042RF107	DRS	100M4	990	208
	0.38	72900	3637	319600	111000	100170	PF	042RF107	DRS	100M4	800	209
	0.45	61800	3082	323000	111000	100170	PH	042RF107	DRS	100M4	990	208
	0.49	57300	2859	323000	111000	100170	PHF	042RF107	DRS	100M4	800	209
	0.54	51600	2573	323000	111000	100170						
	0.35	80600	4022	207400	86800	69620	P	032RF107	DRS	100M4	740	202
	0.38	72900	3637	218800	86800	69620	PF	032RF107	DRS	100M4	620	203
	0.45	61800	3082	232800	86800	69620	PH	032RF107	DRS	100M4	760	202
	0.49	57300	2859	237800	86800	69620	PHF	032RF107	DRS	100M4	640	203
	0.60	46700	2331	248200	86800	69620						
	0.68	41400	2067	252000	86800	69620						
	0.43	65400	3262	228600	-	69620	P	032RF97	DRS	100M4	690	200
	0.49	56700	2831	238400	-	69620	PF	032RF97	DRS	100M4	570	201
	0.55	51300	2558	244000	-	69620	PH	032RF97	DRS	100M4	710	200
	0.60	47100	2351	247800	-	69620	PHF	032RF97	DRS	100M4	590	201
	0.67	41800	2087	252000	-	69620						
	0.75	37400	1867	252000	-	69620						
	0.49	56700	2831	181900	-	51190	P	022RF97	DRS	100M4	610	194
	0.55	51300	2558	190600	-	51190	PF	022RF97	DRS	100M4	510	195
	0.60	47100	2351	196600	-	51190	PH	022RF97	DRS	100M4	620	194
	0.67	41800	2087	197000	-	51190	PHF	022RF97	DRS	100M4	520	195
	0.75	37400	1867	197000	-	51190						
	0.83	33600	1678	197000	-	51190						
	0.96	29200	1457	197000	-	51190						
	1.1	26100	1304	197000	-	51190						
	0.85	32800	1637	197000	-	51190	P	022RF87	DRS	100M4	560	192
	0.97	28900	1445	197000	-	51190	PF	022RF87	DRS	100M4	455	193
							PH	022RF87	DRS	100M4	570	192
							PHF	022RF87	DRS	100M4	470	193
	1.0	27000	1350	197000	-	51190	P	022RF87	DRS	100M4	560	192
							PF	022RF87	DRS	100M4	455	193
							PH	022RF87	DRS	100M4	570	192
							PHF	022RF87	DRS	100M4	470	193
	0.67	41800	2087	156000	46200	36810	P	012RF97	DRS	100M4	460	188
	1.3	21700	1082	156000	46200	36810	PF	012RF97	DRS	100M4	390	189
							PH	012RF97	DRS	100M4	475	188
							PHF	012RF97	DRS	100M4	405	189
	1.4	19600	982	156000	46200	36810	P	012RF97	DRS	100M4	460	188
							PF	012RF97	DRS	100M4	390	189
							PH	012RF97	DRS	100M4	475	188
							PHF	012RF97	DRS	100M4	405	189

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
3.0	**0.68**	41500	2072	156000	46200	36810	**P**	**012RF87**	**DRS**	**100M4**	410	186
	0.75	37400	1867	156000	46200	36810	**PF**	**012RF87**	**DRS**	**100M4**	340	187
	0.85	32800	1637	156000	46200	36810	**PH**	**012RF87**	**DRS**	**100M4**	425	186
	0.97	28900	1445	156000	-	36810	**PHF**	**012RF87**	**DRS**	**100M4**	355	187
	1.1	25600	1281	156000	46200	36810						
	1.1	24700	1232	156000	46200	36810	**P**	**012RF87**	**DRS**	**100M4**	410	186
	1.3	21900	1092	156000	46200	36810	**PF**	**012RF87**	**DRS**	**100M4**	340	187
	1.5	18400	918	156000	46200	36810	**PH**	**012RF87**	**DRS**	**100M4**	420	186
	1.7	16900	844	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**100M4**	350	187
	1.9	15000	749	156000	46200	36810						
	0.97	28800	1440	111200	29200	24830	**P**	**002RF87**	**DRS**	**100M4**	330	178
	1.1	25500	1276	116500	29200	24830	**PF**	**002RF87**	**DRS**	**100M4**	270	179
	1.3	21800	1090	121800	29200	24830	**PH**	**002RF87**	**DRS**	**100M4**	335	178
							PHF	**002RF87**	**DRS**	**100M4**	275	179
	1.5	18300	914	124000	29200	24830	**P**	**002RF87**	**DRS**	**100M4**	330	178
	2.1	13300	667	124000	29200	24830	**PF**	**002RF87**	**DRS**	**100M4**	270	179
							PH	**002RF87**	**DRS**	**100M4**	330	178
							PHF	**002RF87**	**DRS**	**100M4**	275	179
	0.97	28800	1439	111200	29200	24830	**P**	**002RF77**	**DRS**	**100M4**	300	176
	1.1	26200	1308	115600	29200	24830	**PF**	**002RF77**	**DRS**	**100M4**	240	177
							PH	**002RF77**	**DRS**	**100M4**	305	176
							PHF	**002RF77**	**DRS**	**100M4**	245	177
	1.7	16700	837	124000	-	24830	**P**	**002RF77**	**DRS**	**100M4**	300	176
	1.9	14700	735	124000	-	24830	**PF**	**002RF77**	**DRS**	**100M4**	240	177
	2.3	12200	610	124000	-	24830	**PH**	**002RF77**	**DRS**	**100M4**	305	176
	2.6	11000	549	124000	-	24830	**PHF**	**002RF77**	**DRS**	**100M4**	245	177
	2.9	9660	482	124000	-	24830						
	3.3	8520	425	124000	-	24830						
	3.7	7550	377	124000	-	24100						
	4.2	6730	336	124000	-	24100						
4.0	**0.51**	74000	2859	364000	140600	124060	**P**	**052RF107**	**DRS**	**100LC4**	1140	214
	0.56	66600	2573	364000	140600	124060	**PF**	**052RF107**	**DRS**	**100LC4**	940	215
							PH	**052RF107**	**DRS**	**100LC4**	1130	214
							PHF	**052RF107**	**DRS**	**100LC4**	930	215
	0.36	104900	4022	290600	111000	100170	**P**	**042RF107**	**DRS**	**112M4**	1000	208
							PF	**042RF107**	**DRS**	**112M4**	810	209
							PH	**042RF107**	**DRS**	**112M4**	1000	208
							PHF	**042RF107**	**DRS**	**112M4**	810	209
	0.36	104200	4022	291400	111000	100170	**P**	**042RF107**	**DRS**	**100LC4**	990	208
	0.40	94200	3637	301500	111000	100170	**PF**	**042RF107**	**DRS**	**100LC4**	800	209
	0.70	53500	2067	323000	111000	100170	**PH**	**042RF107**	**DRS**	**100LC4**	1000	208
	0.77	48400	1869	323000	111000	100170	**PHF**	**042RF107**	**DRS**	**100LC4**	810	209
	0.47	80400	3082	207800	86800	69620	**P**	**032RF107**	**DRS**	**112M4**	750	202
	0.50	74500	2859	216500	86800	69620	**PF**	**032RF107**	**DRS**	**112M4**	630	203
							PH	**032RF107**	**DRS**	**112M4**	770	202
							PHF	**032RF107**	**DRS**	**112M4**	650	203
	0.47	79800	3082	208700	86800	69620	**P**	**032RF107**	**DRS**	**100LC4**	750	202
	0.51	74000	2859	217200	86800	69620	**PF**	**032RF107**	**DRS**	**100LC4**	620	203
	0.91	41000	1584	252000	86800	69620	**PH**	**032RF107**	**DRS**	**100LC4**	770	202
							PHF	**032RF107**	**DRS**	**100LC4**	650	203
	0.56	66200	2558	227500	-	69620	**P**	**032RF97**	**DRS**	**100LC4**	690	200
	0.86	43400	1678	251000	-	69620	**PF**	**032RF97**	**DRS**	**100LC4**	570	201
	0.99	37700	1457	252000	-	69620	**PH**	**032RF97**	**DRS**	**100LC4**	720	200
							PHF	**032RF97**	**DRS**	**100LC4**	590	201
	1.2	31200	1207	197000	64200	51190	**P**	**022RF107**	**DRS**	**100LC4**	660	196
							PF	**022RF107**	**DRS**	**100LC4**	560	197
							PH	**022RF107**	**DRS**	**100LC4**	670	196
							PHF	**022RF107**	**DRS**	**100LC4**	570	197
	0.61	60900	2351	174600	-	51190	**P**	**022RF97**	**DRS**	**100LC4**	610	194
	0.69	54000	2087	186300	-	51190	**PF**	**022RF97**	**DRS**	**100LC4**	510	195
	0.77	48300	1867	194900	-	51190	**PH**	**022RF97**	**DRS**	**100LC4**	630	194
	0.86	43400	1678	197000	-	51190	**PHF**	**022RF97**	**DRS**	**100LC4**	530	195
	1.1	33700	1304	197000	-	51190						
	1.3	28000	1082	197000	-	51190						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
4.0	**1.5**	25400	982	197000	64200	51190	**P**	**022RF97**	**DRS**	**100LC4**		610	194
	1.6	22700	878	197000	64200	51190	**PF**	**022RF97**	**DRS**	**100LC4**		510	195
							PH	**022RF97**	**DRS**	**100LC4**		630	194
							PHF	**022RF97**	**DRS**	**100LC4**		520	195
	1.2	31900	1232	197000	-	51190	**P**	**022RF87**	**DRS**	**100LC4**		560	192
	1.3	28300	1092	197000	-	51190	**PF**	**022RF87**	**DRS**	**100LC4**		460	193
	1.6	23700	918	197000	-	51190	**PH**	**022RF87**	**DRS**	**100LC4**		580	192
							PHF	**022RF87**	**DRS**	**100LC4**		475	193
	0.98	38000	1457	156000	46200	36810	**P**	**012RF97**	**DRS**	**112M4**		475	188
							PF	**012RF97**	**DRS**	**112M4**		405	189
							PH	**012RF97**	**DRS**	**112M4**		490	188
							PHF	**012RF97**	**DRS**	**112M4**		420	189
	0.99	37700	1457	156000	46200	36810	**P**	**012RF97**	**DRS**	**100LC4**		465	188
							PF	**012RF97**	**DRS**	**100LC4**		395	189
							PH	**012RF97**	**DRS**	**100LC4**		480	188
							PHF	**012RF97**	**DRS**	**100LC4**		410	189
	1.8	20400	790	156000	46200	36810	**P**	**012RF97**	**DRS**	**100LC4**		465	188
	2.0	18500	716	156000	46200	36810	**PF**	**012RF97**	**DRS**	**100LC4**		395	189
	2.3	16400	634	156000	46200	36810	**PH**	**012RF97**	**DRS**	**100LC4**		480	188
							PHF	**012RF97**	**DRS**	**100LC4**		410	189
	0.88	42700	1637	156000	46200	36810	**P**	**012RF87**	**DRS**	**112M4**		425	186
							PF	**012RF87**	**DRS**	**112M4**		355	187
							PH	**012RF87**	**DRS**	**112M4**		440	186
							PHF	**012RF87**	**DRS**	**112M4**		370	187
	0.88	42400	1637	156000	46200	36810	**P**	**012RF87**	**DRS**	**100LC4**		415	186
	1.1	33100	1281	156000	46200	36810	**PF**	**012RF87**	**DRS**	**100LC4**		345	187
	1.3	28300	1094	156000	46200	36810	**PH**	**012RF87**	**DRS**	**100LC4**		430	186
							PHF	**012RF87**	**DRS**	**100LC4**		360	187
	1.7	21800	844	156000	46200	36810	**P**	**012RF87**	**DRS**	**100LC4**		415	186
	1.9	19400	749	156000	46200	36810	**PF**	**012RF87**	**DRS**	**100LC4**		345	187
	2.2	17300	670	156000	46200	36810	**PH**	**012RF87**	**DRS**	**100LC4**		425	186
	2.4	15600	602	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**100LC4**		355	187
	2.8	13500	523	156000	46200	36810							
	2.6	14200	551	156000	-	27600	**P**	**012RF77**	**DRS**	**100LC4**		385	184
							PF	**012RF77**	**DRS**	**100LC4**		315	185
							PH	**012RF77**	**DRS**	**100LC4**		400	184
							PHF	**012RF77**	**DRS**	**100LC4**		330	185
	1.3	28400	1090	112000	29200	24830	**P**	**002RF87**	**DRS**	**112M4**		345	178
							PF	**002RF87**	**DRS**	**112M4**		285	179
							PH	**002RF87**	**DRS**	**112M4**		350	178
							PHF	**002RF87**	**DRS**	**112M4**		290	179
	1.3	28200	1090	112300	29200	24830	**P**	**002RF87**	**DRS**	**100LC4**		335	178
							PF	**002RF87**	**DRS**	**100LC4**		275	179
							PH	**002RF87**	**DRS**	**100LC4**		340	178
							PHF	**002RF87**	**DRS**	**100LC4**		280	179
	1.6	23700	914	119300	29200	24830	**P**	**002RF87**	**DRS**	**100LC4**		335	178
	1.7	21700	841	121900	29200	24830	**PF**	**002RF87**	**DRS**	**100LC4**		275	179
	1.9	19300	746	124000	29200	24830	**PH**	**002RF87**	**DRS**	**100LC4**		335	178
	2.2	17200	667	124000	29200	24830	**PHF**	**002RF87**	**DRS**	**100LC4**		280	179
	1.4	25700	986	116300	29200	24830	**P**	**002RF77**	**DRS**	**112M4**		315	176
							PF	**002RF77**	**DRS**	**112M4**		255	177
							PH	**002RF77**	**DRS**	**112M4**		320	176
							PHF	**002RF77**	**DRS**	**112M4**		260	177
	1.5	25500	986	116600	29200	24830	**P**	**002RF77**	**DRS**	**100LC4**		305	176
							PF	**002RF77**	**DRS**	**100LC4**		245	177
							PH	**002RF77**	**DRS**	**100LC4**		310	176
							PHF	**002RF77**	**DRS**	**100LC4**		250	177

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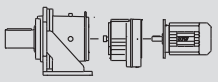
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
4.0	**2.4**	15700	610	124000	-	24830	**P**	**002RF77**	**DRS**	**100LC4**	305	176
	2.6	14200	549	124000	-	24830	**PF**	**002RF77**	**DRS**	**100LC4**	245	177
	3.0	12400	482	124000	-	24830	**PH**	**002RF77**	**DRS**	**100LC4**	310	176
	3.4	11000	425	124000	-	24830	**PHF**	**002RF77**	**DRS**	**100LC4**	250	177
	3.8	9760	377	124000	-	24100						
	4.3	8700	336	124000	-	24100						
	4.8	7830	302	124000	-	23300						
	5.4	6870	265	124000	-	22200						
5.5	**0.36**	144200	4049	466600	209100	185660	**P**	**062RF137**	**DRS**	**132S4**	1740	220
	0.42	123900	3480	473000	209100	185660	**PF**	**062RF137**	**DRS**	**132S4**	1380	221
	0.46	113000	3174	473000	209100	185660	**PH**	**062RF137**	**DRS**	**132S4**	1730	220
							PHF	**062RF137**	**DRS**	**132S4**	1370	221
	0.36	144200	4049	338400	140600	124060	**P**	**052RF137**	**DRS**	**132S4**	1260	216
	0.42	123900	3480	356400	140600	124060	**PF**	**052RF137**	**DRS**	**132S4**	1060	217
	0.50	102700	2883	364000	140600	124060	**PH**	**052RF137**	**DRS**	**132S4**	1250	216
	0.56	91100	2558	364000	140600	124060	**PHF**	**052RF137**	**DRS**	**132S4**	1050	217
	0.40	129500	3637	351700	140600	124060	**P**	**052RF107**	**DRS**	**132S4**	1150	214
	0.51	101800	2859	364000	140600	124060	**PF**	**052RF107**	**DRS**	**132S4**	950	215
	0.56	91600	2573	364000	140600	124060	**PH**	**052RF107**	**DRS**	**132S4**	1140	214
							PHF	**052RF107**	**DRS**	**132S4**	940	215
	0.46	113000	3174	281500	111000	100170	**P**	**042RF137**	**DRS**	**132S4**	1110	210
	0.62	82700	2321	311800	111000	100170	**PF**	**042RF137**	**DRS**	**132S4**	920	211
							PH	**042RF137**	**DRS**	**132S4**	1120	210
							PHF	**042RF137**	**DRS**	**132S4**	930	211
	0.47	109800	3082	285200	111000	100170	**P**	**042RF107**	**DRS**	**132S4**	1000	208
	0.51	101800	2859	293800	111000	100170	**PF**	**042RF107**	**DRS**	**132S4**	810	209
	0.56	91600	2573	303900	111000	100170	**PH**	**042RF107**	**DRS**	**132S4**	1010	208
	0.62	83000	2331	311600	111000	100170	**PHF**	**042RF107**	**DRS**	**132S4**	820	209
	0.70	73600	2067	319100	111000	100170						
	0.77	66500	1869	323000	111000	100170						
	0.62	83000	2331	203600	86800	69620	**P**	**032RF107**	**DRS**	**132S4**	760	202
	0.70	73600	2067	217800	86800	69620	**PF**	**032RF107**	**DRS**	**132S4**	640	203
	0.91	56400	1584	238800	86800	69620	**PH**	**032RF107**	**DRS**	**132S4**	780	202
	1.0	49200	1383	245900	86800	69620	**PHF**	**032RF107**	**DRS**	**132S4**	660	203
	1.2	43000	1207	251400	86800	69620	**P**	**032RF107**	**DRS**	**132S4**	750	202
							PF	**032RF107**	**DRS**	**132S4**	630	203
							PH	**032RF107**	**DRS**	**132S4**	770	202
							PHF	**032RF107**	**DRS**	**132S4**	650	203
	0.77	66500	1867	227200	-	69620	**P**	**032RF97**	**DRS**	**132S4**	710	200
	0.86	59700	1678	235100	-	69620	**PF**	**032RF97**	**DRS**	**132S4**	590	201
	0.99	51800	1457	243400	-	69620	**PH**	**032RF97**	**DRS**	**132S4**	730	200
	1.3	38500	1082	252000	86800	69620	**PHF**	**032RF97**	**DRS**	**132S4**	610	201
	1.2	44700	1257	249900	-	69620	**P**	**032RF97**	**DRS**	**132S4**	700	200
							PF	**032RF97**	**DRS**	**132S4**	580	201
							PH	**032RF97**	**DRS**	**132S4**	730	200
							PHF	**032RF97**	**DRS**	**132S4**	600	201
	0.86	59700	1678	176700	-	51190	**P**	**022RF97**	**DRS**	**132S4**	630	194
	0.99	51800	1457	189800	-	51190	**PF**	**022RF97**	**DRS**	**132S4**	530	195
	1.1	46400	1304	197000	-	51190	**PH**	**022RF97**	**DRS**	**132S4**	640	194
							PHF	**022RF97**	**DRS**	**132S4**	540	195
	1.5	34900	982	197000	64200	51190	**P**	**022RF97**	**DRS**	**132S4**	620	194
	1.6	31200	878	197000	64200	51190	**PF**	**022RF97**	**DRS**	**132S4**	520	195
							PH	**022RF97**	**DRS**	**132S4**	640	194
							PHF	**022RF97**	**DRS**	**132S4**	540	195
	1.6	32700	918	197000	-	51190	**P**	**022RF87**	**DRS**	**132S4**	570	192
							PF	**022RF87**	**DRS**	**132S4**	470	193
							PH	**022RF87**	**DRS**	**132S4**	590	192
							PHF	**022RF87**	**DRS**	**132S4**	485	193
	1.3	38500	1082	156000	46200	36810	**P**	**012RF97**	**DRS**	**132S4**	480	188
							PF	**012RF97**	**DRS**	**132S4**	410	189
							PH	**012RF97**	**DRS**	**132S4**	495	188
							PHF	**012RF97**	**DRS**	**132S4**	425	189

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
5.5	**1.5**	34900	982	156000	46200	36810	**P**	**012RF97**	**DRS**	**132S4**	475	188
	1.8	28100	790	156000	46200	36810	**PF**	**012RF97**	**DRS**	**132S4**	405	189
	2.0	25400	716	156000	46200	36810	**PH**	**012RF97**	**DRS**	**132S4**	490	188
	2.3	22600	634	156000	46200	36810	**PHF**	**012RF97**	**DRS**	**132S4**	420	189
	1.1	45600	1281	156000	46200	36810	**P**	**012RF87**	**DRS**	**132S4**	430	186
	1.3	38900	1094	156000	46200	36810	**PF**	**012RF87**	**DRS**	**132S4**	360	187
							PH	**012RF87**	**DRS**	**132S4**	440	186
							PHF	**012RF87**	**DRS**	**132S4**	370	187
	1.3	38900	1092	156000	46200	36810	**P**	**012RF87**	**DRS**	**132S4**	425	186
	1.6	32700	918	156000	46200	36810	**PF**	**012RF87**	**DRS**	**132S4**	355	187
	1.7	30000	844	156000	46200	36810	**PH**	**012RF87**	**DRS**	**132S4**	440	186
	1.9	26600	749	156000	46200	36810	**PHF**	**012RF87**	**DRS**	**132S4**	370	187
	2.2	23800	670	156000	46200	36810						
	2.4	21400	602	156000	46200	36810						
	2.8	18600	523	156000	46200	36810						
	1.9	26500	746	115000	29200	24830	**P**	**002RF87**	**DRS**	**132S4**	345	178
	2.2	23700	667	119200	29200	24830	**PF**	**002RF87**	**DRS**	**132S4**	290	179
	2.4	21300	600	122400	29200	24830	**PH**	**002RF87**	**DRS**	**132S4**	350	178
	2.8	18500	521	124000	29200	24830	**PHF**	**002RF87**	**DRS**	**132S4**	290	179
	3.1	16600	466	124000	29200	24830						
	3.7	13700	387	124000	29200	24830						
	4.0	12700	357	124000	29200	24830						
	4.5	11400	321	124000	29200	24830						
	5.2	9930	279	124000	29200	24830						
	5.6	9270	260	124000	-	24400						
	6.2	8300	233	122400	-	23500						
	7.7	6700	188	114900	-	12000	**P**	**002RF77**	**DRS**	**132S4**	315	176
	8.6	5970	168	110900	-	12000	**PF**	**002RF77**	**DRS**	**132S4**	260	177
							PH	**002RF77**	**DRS**	**132S4**	320	176
							PHF	**002RF77**	**DRS**	**132S4**	265	177
7.5	**0.36**	196700	4049	430100	209100	185660	**P**	**062RF137**	**DRS**	**132M4**	1760	220
	0.42	169000	3480	450600	209100	185660	**PF**	**062RF137**	**DRS**	**132M4**	1390	221
	0.46	154200	3174	460400	209100	185660	**PH**	**062RF137**	**DRS**	**132M4**	1740	220
	0.50	140000	2883	469000	209100	185660	**PHF**	**062RF137**	**DRS**	**132M4**	1380	221
	0.56	124200	2558	473000	209100	185660						
	0.62	112700	2321	473000	209100	185660						
	0.50	140000	2883	342400	140600	124060	**P**	**052RF137**	**DRS**	**132M4**	1270	216
	0.56	124200	2558	356200	140600	124060	**PF**	**052RF137**	**DRS**	**132M4**	1070	217
	0.72	96900	1995	364000	140600	124060	**PH**	**052RF137**	**DRS**	**132M4**	1260	216
	0.83	84600	1741	364000	140600	124060	**PHF**	**052RF137**	**DRS**	**132M4**	1060	217
	0.51	138900	2859	343500	140600	124060	**P**	**052RF107**	**DRS**	**132M4**	1160	214
	0.56	125000	2573	355500	140600	124060	**PF**	**052RF107**	**DRS**	**132M4**	960	215
	0.77	90700	1869	364000	140600	124060	**PH**	**052RF107**	**DRS**	**132M4**	1150	214
							PHF	**052RF107**	**DRS**	**132M4**	950	215
	0.62	112700	2321	281800	111000	100170	**P**	**042RF137**	**DRS**	**132M4**	1130	210
	0.98	71700	1477	320500	111000	100170	**PF**	**042RF137**	**DRS**	**132M4**	940	211
							PH	**042RF137**	**DRS**	**132M4**	1130	210
							PHF	**042RF137**	**DRS**	**132M4**	940	211
	0.70	100400	2067	295300	111000	100170	**P**	**042RF107**	**DRS**	**132M4**	1020	208
	0.77	90700	1869	304700	111000	100170	**PF**	**042RF107**	**DRS**	**132M4**	830	209
	0.91	76900	1584	316600	111000	100170	**PH**	**042RF107**	**DRS**	**132M4**	1020	208
	1.0	67200	1383	323000	111000	100170	**PHF**	**042RF107**	**DRS**	**132M4**	830	209
	1.2	58600	1207	323000	111000	100170	**P**	**042RF107**	**DRS**	**132M4**	1010	208
							PF	**042RF107**	**DRS**	**132M4**	820	209
							PH	**042RF107**	**DRS**	**132M4**	1010	208
							PHF	**042RF107**	**DRS**	**132M4**	820	209
	0.91	76900	1584	213100	86800	69620	**P**	**032RF107**	**DRS**	**132M4**	770	202
	1.0	67200	1383	226400	86800	69620	**PF**	**032RF107**	**DRS**	**132M4**	650	203
							PH	**032RF107**	**DRS**	**132M4**	790	202
							PHF	**032RF107**	**DRS**	**132M4**	670	203
	1.3	52500	1082	242700	86800	69620	**P**	**032RF107**	**DRS**	**132M4**	760	202
	1.5	47400	977	247500	86800	69620	**PF**	**032RF107**	**DRS**	**132M4**	640	203
							PH	**032RF107**	**DRS**	**132M4**	780	202
							PHF	**032RF107**	**DRS**	**132M4**	660	203

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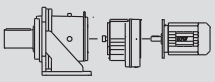
SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
7.5	1.4	51800	1067	243500	-	69620	P	032RF97	DRS	132M4	720	200
	1.5	47700	982	247300	-	69620	PF	032RF97	DRS	132M4	600	201
	1.6	42600	878	251700	-	69620	PH	032RF97	DRS	132M4	740	200
							PHF	032RF97	DRS	132M4	620	201
	1.2	58600	1207	178700	64200	51190	P	022RF107	DRS	132M4	680	196
							PF	022RF107	DRS	132M4	580	197
							PH	022RF107	DRS	132M4	700	196
							PHF	022RF107	DRS	132M4	600	197
	1.3	52500	1082	188700	-	51190	P	022RF97	DRS	132M4	640	194
							PF	022RF97	DRS	132M4	540	195
							PH	022RF97	DRS	132M4	660	194
							PHF	022RF97	DRS	132M4	550	195
	1.5	47700	982	195800	64200	51190	P	022RF97	DRS	132M4	640	194
	1.6	42600	878	197000	64200	51190	PF	022RF97	DRS	132M4	540	195
	1.8	38300	790	197000	64200	51190	PH	022RF97	DRS	132M4	650	194
	2.0	34700	716	197000	64200	51190	PHF	022RF97	DRS	132M4	550	195
	2.3	30800	634	197000	64200	51190						
	1.8	38300	790	156000	46200	36810	P	012RF97	DRS	132M4	490	188
	2.0	34700	716	156000	46200	36810	PF	012RF97	DRS	132M4	420	189
	2.3	30800	634	156000	46200	36810	PH	012RF97	DRS	132M4	500	188
	2.5	27800	574	156000	46200	36810	PHF	012RF97	DRS	132M4	435	189
	3.0	23600	486	156000	46200	36810						
	3.4	20600	425	156000	46200	36810						
	1.6	44600	918	156000	46200	36810	P	012RF87	DRS	132M4	440	186
	1.7	40900	844	156000	46200	36810	PF	012RF87	DRS	132M4	370	187
	2.4	29200	602	156000	46200	36810	PH	012RF87	DRS	132M4	455	186
	2.8	25400	523	156000	46200	36810	PHF	012RF87	DRS	132M4	385	187
	3.1	22700	468	156000	46200	36810						
	3.7	18800	388	156000	46200	36810						
	4.0	17400	359	156000	-	36810						
	4.5	15600	322	156000	46200	36810						
	2.4	29100	600	110700	29200	24830	P	002RF87	DRS	132M4	360	178
	2.8	25300	521	117000	29200	24830	PF	002RF87	DRS	132M4	300	179
	3.1	22600	466	120800	29200	24830	PH	002RF87	DRS	132M4	365	178
	3.7	18700	387	124000	29200	24830	PHF	002RF87	DRS	132M4	305	179
	4.0	17300	357	124000	29200	24830						
	4.5	15600	321	124000	29200	24830						
	5.2	13500	279	124000	29200	24830						
	5.6	12600	260	124000	-	24400						
	6.2	11300	233	122400	-	23500						
	7.5	9390	193	115800	-	22500						
	8.1	8670	178	113000	-	23100						
	9.0	7790	161	109500	-	22200						
	10	6760	139	104900	-	20400						
	12	6060	125	101500	-	19500						
	14	5020	104	96000	-	17400						
9.2	0.35	244700	4165	523000	-	245660	P	072RF147	DRS	132MC4	2300	224
	0.53	161300	2747	523000	-	245660	PF	072RF147	DRS	132MC4	1810	225
	0.57	149900	2552	523000	-	245660	PH	072RF147	DRS	132MC4	2360	224
	0.63	136700	2328	523000	-	245660	PHF	072RF147	DRS	132MC4	1870	225
	0.45	193100	3275	432900	209100	185660	P	062RF147	DRS	160S4	1890	222
							PF	062RF147	DRS	160S4	1520	223
							PH	062RF147	DRS	160S4	1880	222
							PHF	062RF147	DRS	160S4	1510	223
	0.39	218100	3711	411800	209100	185660	P	062RF147	DRS	132MC4	1880	222
	0.45	192400	3275	433400	209100	185660	PF	062RF147	DRS	132MC4	1520	223
	0.71	121900	2074	473000	209100	185660	PH	062RF147	DRS	132MC4	1870	222
							PHF	062RF147	DRS	132MC4	1510	223
	0.42	205200	3480	423100	209100	185660	P	062RF137	DRS	160S4	1770	220
	0.46	187200	3174	437500	209100	185660	PF	062RF137	DRS	160S4	1400	221
							PH	062RF137	DRS	160S4	1760	220
							PHF	062RF137	DRS	160S4	1390	221

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
9.2	**0.42**	204500	3480	423600	209100	185660	**P**	**062RF137**	**DRS**	**132MC4**	1760	220
	0.51	169400	2883	450400	209100	185660	**PF**	**062RF137**	**DRS**	**132MC4**	1390	221
	0.84	102300	1741	473000	209100	185660	**PH**	**062RF137**	**DRS**	**132MC4**	1750	220
							PHF	**062RF137**	**DRS**	**132MC4**	1380	221
	0.63	136900	2321	345300	140600	124060	**P**	**052RF137**	**DRS**	**160S4**	1280	216
							PF	**052RF137**	**DRS**	**160S4**	1080	217
							PH	**052RF137**	**DRS**	**160S4**	1280	216
							PHF	**052RF137**	**DRS**	**160S4**	1080	217
	0.57	150300	2558	332400	140600	124060	**P**	**052RF137**	**DRS**	**132MC4**	1270	216
	0.63	136400	2321	345700	140600	124060	**PF**	**052RF137**	**DRS**	**132MC4**	1070	217
	0.99	86800	1477	364000	140600	124060	**PH**	**052RF137**	**DRS**	**132MC4**	1270	216
	1.1	75800	1291	364000	140600	124060	**PHF**	**052RF137**	**DRS**	**132MC4**	1070	217
	1.1	81300	1383	364000	140600	124060	**P**	**052RF107**	**DRS**	**132MC4**	1160	214
							PF	**052RF107**	**DRS**	**132MC4**	960	215
							PH	**052RF107**	**DRS**	**132MC4**	1160	214
							PHF	**052RF107**	**DRS**	**132MC4**	960	215
	1.2	70900	1207	364000	140600	124060	**P**	**052RF107**	**DRS**	**132MC4**	1160	214
							PF	**052RF107**	**DRS**	**132MC4**	960	215
							PH	**052RF107**	**DRS**	**132MC4**	1150	214
							PHF	**052RF107**	**DRS**	**132MC4**	950	215
	0.84	102700	1741	292900	111000	100170	**P**	**042RF137**	**DRS**	**160S4**	1140	210
							PF	**042RF137**	**DRS**	**160S4**	950	211
							PH	**042RF137**	**DRS**	**160S4**	1140	210
							PHF	**042RF137**	**DRS**	**160S4**	950	211
	0.73	117200	1995	276400	111000	100170	**P**	**042RF137**	**DRS**	**132MC4**	1130	210
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							PHF	**042RF137**	**DRS**	**132MC4**	940	211
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							PHF	**042RF107**	**DRS**	**160S4**	850	209
	0.78	109800	1869	285200	111000	100170	**P**	**042RF107**	**DRS**	**132MC4**	1020	208
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							PHF	**042RF107**	**DRS**	**132MC4**	830	209
	1.4	63600	1082	323000	111000	100170	**P**	**042RF107**	**DRS**	**132MC4**	1010	208
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	1.6	52100	887	323000	111000	100170	**PH**	**042RF107**	**DRS**	**132MC4**	1020	208
							PHF	**042RF107**	**DRS**	**132MC4**	830	209
	1.1	81500	1383	206000	86800	69620	**P**	**032RF107**	**DRS**	**160S4**	790	202
							PF	**032RF107**	**DRS**	**160S4**	660	203
							PH	**032RF107**	**DRS**	**160S4**	810	202
							PHF	**032RF107**	**DRS**	**160S4**	690	203
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							PH	**032RF107**	**DRS**	**132MC4**	790	202
							PHF	**032RF107**	**DRS**	**132MC4**	670	203
	1.2	71200	1207	221200	86800	69620	**P**	**032RF107**	**DRS**	**160S4**	780	202
							PF	**032RF107**	**DRS**	**160S4**	660	203
							PH	**032RF107**	**DRS**	**160S4**	800	202
							PHF	**032RF107**	**DRS**	**160S4**	680	203
	1.2	70900	1207	221500	86800	69620	**P**	**032RF107**	**DRS**	**132MC4**	770	202
	1.4	63600	1082	230800	86800	69620	**PF**	**032RF107**	**DRS**	**132MC4**	650	203
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	2.0	41900	714	252000	86800	69620	**PHF**	**032RF107**	**DRS**	**132MC4**	670	203
	2.0	42000	716	252000	-	69620	**P**	**032RF97**	**DRS**	**132MC4**	720	200
	2.3	37300	634	252000	-	69620	**PF**	**032RF97**	**DRS**	**132MC4**	600	201
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	2.4	36000	614	197000	64200	51190	**P**	**022RF107**	**DRS**	**132MC4**	690	196
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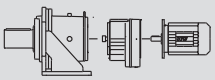
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
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[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	1.7	51700	878	189900	64200	51190	PF	022RF97	DRS	160S4		550	195
							PH	022RF97	DRS	160S4		670	194
							PHF	022RF97	DRS	160S4		570	195
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	1.7	51500	878	190200	64200	51190	PF	022RF97	DRS	132MC4		540	195
	1.8	46400	790	197000	64200	51190	PH	022RF97	DRS	132MC4		660	194
	2.0	42000	716	197000	64200	51190	PHF	022RF97	DRS	132MC4		550	195
	2.6	33700	574	197000	64200	51190							
	3.0	28500	486	197000	64200	51190							
	3.8	22800	388	197000	-	45300	P	022RF87	DRS	132MC4		590	192
							PF	022RF87	DRS	132MC4		490	193
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	2.0	42200	716	156000	46200	36810	P	012RF97	DRS	160S4		500	188
	2.3	37400	634	156000	46200	36810	PF	012RF97	DRS	160S4		435	189
							PH	012RF97	DRS	160S4		520	188
							PHF	012RF97	DRS	160S4		450	189
	2.0	42000	716	156000	46200	36810	P	012RF97	DRS	132MC4		495	188
	2.3	37300	634	156000	46200	36810	PF	012RF97	DRS	132MC4		425	189
	2.6	33700	574	156000	46200	36810	PH	012RF97	DRS	132MC4		510	188
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	4.0	21400	364	156000	46200	36810							
	4.4	19300	329	156000	46200	36810							
	5.2	16400	279	156000	46200	36810							
	2.0	44200	749	156000	46200	36810	P	012RF87	DRS	160S4		455	186
	2.2	39500	670	156000	46200	36810	PF	012RF87	DRS	160S4		385	187
							PH	012RF87	DRS	160S4		470	186
							PHF	012RF87	DRS	160S4		400	187
	2.0	44000	749	156000	46200	36810	P	012RF87	DRS	132MC4		445	186
	2.2	39300	670	156000	46200	36810	PF	012RF87	DRS	132MC4		375	187
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	4.5	18900	322	156000	46200	36810	PHF	012RF87	DRS	132MC4		385	187
	5.2	16400	280	156000	-	36810							
	6.0	14200	243	123400	29200	24830	P	002RF97	DRS	132MC4		415	180
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							PF	002RF87	DRS	160S4		315	179
							PH	002RF87	DRS	160S4		380	178
							PHF	002RF87	DRS	160S4		320	179
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	3.8	22700	387	120600	29200	24830	PF	002RF87	DRS	132MC4		305	179
	4.1	21000	357	122900	29200	24830	PH	002RF87	DRS	132MC4		365	178
	4.6	18800	321	124000	29200	24830	PHF	002RF87	DRS	132MC4		310	179
	5.2	16300	279	124000	29200	24830							
	5.9	14600	250	124000	29200	24830							
	7.1	12100	207	117700	29200	24830							
	7.6	11300	193	115300	-	22500							
	8.2	10400	178	112500	-	23100							
	9.1	9430	161	109000	-	22200							
	11	8180	139	104500	-	20400							
	12	7330	125	101100	-	19500							
	14	6080	104	95600	-	17400							
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	0.45	226300	3210	850000	631300	500000	PF	102RF167	DRS	160M4		3630	235
	0.51	201200	2854	850000	-	500000	PH	102RF167	DRS	160M4		4650	234
	0.64	160100	2271	850000	-	500000	PHF	102RF167	DRS	160M4		3690	235
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	0.82	125500	1781	850000	631300	500000	P	102RF167	DRS	160M4		4580	234
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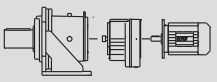
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	0.45	229400	3253	720000	513900	423000	**PF**	**092RF167**	**DRS**	**160M4**		3040	233
	0.50	203900	2891	720000	-	423000	**PH**	**092RF167**	**DRS**	**160M4**		3750	232
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	0.93	110400	1566	720000	-	423000							
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							PF	**092RF167**	**DRS**	**160M4**		3030	233
							PH	**092RF167**	**DRS**	**160M4**		3740	232
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	0.36	284400	4034	683000	397100	359400	**P**	**082RF167**	**DRS**	**160M4**		3240	230
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	0.46	224100	3180	523000	-	245660	**PH**	**072RF147**	**DRS**	**160M4**		2370	224
	0.53	193600	2747	523000	-	245660	**PHF**	**072RF147**	**DRS**	**160M4**		1880	225
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	0.63	164000	2328	523000	-	245660							
	0.52	199400	2828	427900	209100	185660	**P**	**062RF147**	**DRS**	**160M4**		1900	222
	0.70	146200	2074	465300	209100	185660	**PF**	**062RF147**	**DRS**	**160M4**		1530	223
							PH	**062RF147**	**DRS**	**160M4**		1890	222
							PHF	**062RF147**	**DRS**	**160M4**		1520	223
	0.51	203300	2883	424700	209100	185660	**P**	**062RF137**	**DRS**	**160M4**		1780	220
	0.57	180400	2558	442600	209100	185660	**PF**	**062RF137**	**DRS**	**160M4**		1410	221
	0.63	163700	2321	454300	209100	185660	**PH**	**062RF137**	**DRS**	**160M4**		1770	220
	0.73	140700	1995	468600	209100	185660	**PHF**	**062RF137**	**DRS**	**160M4**		1400	221
	0.84	122800	1741	473000	209100	185660							
	0.73	140700	1995	341800	140600	124060	**P**	**052RF137**	**DRS**	**160M4**		1290	216
	0.84	122800	1741	357300	140600	124060	**PF**	**052RF137**	**DRS**	**160M4**		1090	217
	0.99	104100	1477	364000	140600	124060	**PH**	**052RF137**	**DRS**	**160M4**		1280	216
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							PF	**052RF107**	**DRS**	**160M4**		990	215
							PH	**052RF107**	**DRS**	**160M4**		1180	214
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	0.99	104100	1477	291400	111000	100170	**P**	**042RF137**	**DRS**	**160M4**		1150	210
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							PHF	**042RF137**	**DRS**	**160M4**		960	211
	1.1	97500	1383	298200	111000	100170	**P**	**042RF107**	**DRS**	**160M4**		1040	208
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							PH	**042RF107**	**DRS**	**160M4**		1050	208
							PHF	**042RF107**	**DRS**	**160M4**		860	209
	1.2	85100	1207	309800	111000	100170	**P**	**042RF107**	**DRS**	**160M4**		1030	208
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	1.5	68800	977	322600	111000	100170	**PH**	**042RF107**	**DRS**	**160M4**		1040	208
	1.6	62500	887	323000	111000	100170	**PHF**	**042RF107**	**DRS**	**160M4**		850	209
	1.2	85100	1207	200200	86800	69620	**P**	**032RF107**	**DRS**	**160M4**		790	202
	1.4	76300	1082	214000	86800	69620	**PF**	**032RF107**	**DRS**	**160M4**		670	203
	1.5	68800	977	224200	86800	69620	**PH**	**032RF107**	**DRS**	**160M4**		810	202
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	2.0	50300	714	244800	86800	69620							
	1.4	76300	1082	214000	86800	69620	**P**	**032RF97**	**DRS**	**160M4**		750	200
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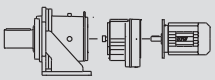
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1)]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
11.0	**1.7**	61900	878	232800	-	69620	**P**	**032RF97**	**DRS**	**160M4**	740	200
							PF	**032RF97**	**DRS**	**160M4**	620	201
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							PHF	**032RF97**	**DRS**	**160M4**	640	201
	2.4	43300	614	197000	64200	51190	**P**	**022RF107**	**DRS**	**160M4**	710	196
	2.7	37700	536	197000	64200	51190	**PF**	**022RF107**	**DRS**	**160M4**	610	197
							PH	**022RF107**	**DRS**	**160M4**	720	196
							PHF	**022RF107**	**DRS**	**160M4**	620	197
	1.7	61900	878	172800	64200	51190	**P**	**022RF97**	**DRS**	**160M4**	660	194
	1.8	55700	790	183700	64200	51190	**PF**	**022RF97**	**DRS**	**160M4**	560	195
	2.0	50400	716	191900	64200	51190	**PH**	**022RF97**	**DRS**	**160M4**	680	194
	2.3	44700	634	197000	64200	51190	**PHF**	**022RF97**	**DRS**	**160M4**	580	195
	2.5	40400	574	197000	64200	51190						
	3.0	34200	486	197000	64200	51190						
	2.3	44700	634	156000	46200	36810	**P**	**012RF97**	**DRS**	**160M4**	510	188
	2.5	40400	574	156000	46200	36810	**PF**	**012RF97**	**DRS**	**160M4**	445	189
	3.0	34200	486	156000	46200	36810	**PH**	**012RF97**	**DRS**	**160M4**	530	188
	3.4	29900	425	156000	46200	36810	**PHF**	**012RF97**	**DRS**	**160M4**	460	189
	4.0	25600	364	156000	46200	36810						
	4.4	23200	329	156000	46200	36810						
	5.2	19600	279	156000	46200	36810						
	6.0	17100	244	152800	46200	36810						
	7.2	14300	204	144900	46200	36810						
	2.4	42400	602	156000	46200	36810	**P**	**012RF87**	**DRS**	**160M4**	465	186
	3.8	27300	388	156000	46200	36810	**PF**	**012RF87**	**DRS**	**160M4**	395	187
	4.1	25200	359	156000	-	36810	**PH**	**012RF87**	**DRS**	**160M4**	475	186
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	5.2	19700	280	156000	-	36810						
	5.8	17600	251	154100	-	36810						
	7.0	14600	208	145700	-	34900						
	3.8	27200	387	113900	29200	24830	**P**	**002RF87**	**DRS**	**160M4**	385	178
	4.1	25100	357	117100	29200	24830	**PF**	**002RF87**	**DRS**	**160M4**	325	179
	4.5	22600	321	120800	29200	24830	**PH**	**002RF87**	**DRS**	**160M4**	385	178
	5.2	19600	279	124000	29200	24830	**PHF**	**002RF87**	**DRS**	**160M4**	330	179
	5.8	17600	250	124000	29200	24830						
	7.0	14600	207	117800	29200	24830						
	7.6	13600	193	115400	-	22500						
	8.2	12500	178	112700	-	23100						
	9.1	11300	161	109100	-	22200						
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	12	8790	125	101200	-	19500						
	14	7290	104	95700	-	17400						
15.0	**0.41**	344600	3608	850000	631300	500000	**P**	**102RF167**	**DRS**	**160MC4**	4590	234
	0.46	306600	3210	850000	631300	500000	**PF**	**102RF167**	**DRS**	**160MC4**	3640	235
	0.52	272500	2854	850000	-	500000	**PH**	**102RF167**	**DRS**	**160MC4**	4650	234
	0.65	216800	2271	850000	-	500000	**PHF**	**102RF167**	**DRS**	**160MC4**	3700	235
	0.73	191300	2004	850000	-	500000						
	0.95	147600	1546	850000	-	500000						
	1.1	127200	1332	850000	-	500000						
	0.83	170000	1781	850000	631300	500000	**P**	**102RF167**	**DRS**	**160MC4**	4590	234
							PF	**102RF167**	**DRS**	**160MC4**	3630	235
							PH	**102RF167**	**DRS**	**160MC4**	4650	234
							PHF	**102RF167**	**DRS**	**160MC4**	3690	235
	0.40	349200	3656	720000	513900	423000	**P**	**092RF167**	**DRS**	**160MC4**	3740	232
	0.45	310600	3253	720000	513900	423000	**PF**	**092RF167**	**DRS**	**160MC4**	3040	233
	0.51	276100	2891	720000	-	423000	**PH**	**092RF167**	**DRS**	**160MC4**	3750	232
	0.64	219700	2301	720000	-	423000	**PHF**	**092RF167**	**DRS**	**160MC4**	3050	233
	0.72	193900	2031	720000	-	423000						
	0.94	149500	1566	720000	-	423000						
	1.1	128900	1350	720000	-	423000						
	0.81	172300	1805	720000	513900	423000	**P**	**092RF167**	**DRS**	**160MC4**	3730	232
	1.2	115000	1205	720000	513900	423000	**PF**	**092RF167**	**DRS**	**160MC4**	3040	233
							PH	**092RF167**	**DRS**	**160MC4**	3740	232
							PHF	**092RF167**	**DRS**	**160MC4**	3050	233

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	**0.36**	387900	4034	627700	397100	359400	**P**	**082RF167**	**DRS**	**180S4**		3270	230
							PF	**082RF167**	**DRS**	**180S4**		2620	231
							PH	**082RF167**	**DRS**	**180S4**		3260	230
							PHF	**082RF167**	**DRS**	**180S4**		2610	231
	0.36	385200	4034	630300	397100	359400	**P**	**082RF167**	**DRS**	**160MC4**		3240	230
	0.42	334000	3497	676200	397100	359400	**PF**	**082RF167**	**DRS**	**160MC4**		2590	231
	0.47	297100	3112	683000	397100	359400	**PH**	**082RF167**	**DRS**	**160MC4**		3230	230
	0.53	264100	2766	683000	397100	359400	**PHF**	**082RF167**	**DRS**	**160MC4**		2580	231
	0.58	241500	2530	683000	397100	359400							
	0.64	218900	2293	683000	-	359400	**P**	**082RF147**	**DRS**	**160MC4**		2980	228
							PF	**082RF147**	**DRS**	**160MC4**		2330	229
							PH	**082RF147**	**DRS**	**160MC4**		2970	228
							PHF	**082RF147**	**DRS**	**160MC4**		2320	229
	0.47	301600	3159	484300	274600	245660	**P**	**072RF167**	**DRS**	**160MC4**		2580	226
	0.57	245100	2568	523000	274600	245660	**PF**	**072RF167**	**DRS**	**160MC4**		2090	227
							PH	**072RF167**	**DRS**	**160MC4**		2640	226
							PHF	**072RF167**	**DRS**	**160MC4**		2150	227
	0.54	262200	2747	523000	-	245660	**P**	**072RF147**	**DRS**	**160MC4**		2320	224
	0.58	243600	2552	523000	-	245660	**PF**	**072RF147**	**DRS**	**160MC4**		1830	225
	0.63	222200	2328	523000	-	245660	**PH**	**072RF147**	**DRS**	**160MC4**		2380	224
	0.73	192300	2014	523000	-	245660	**PHF**	**072RF147**	**DRS**	**160MC4**		1890	225
	0.83	169700	1777	523000	-	245660							
	0.70	199400	2074	427800	209100	185660	**P**	**062RF147**	**DRS**	**180S4**		1930	222
							PF	**062RF147**	**DRS**	**180S4**		1560	223
							PH	**062RF147**	**DRS**	**180S4**		1920	222
							PHF	**062RF147**	**DRS**	**180S4**		1550	223
	0.71	198100	2074	428900	209100	185660	**P**	**062RF147**	**DRS**	**160MC4**		1900	222
	0.80	174800	1830	446600	209100	185660	**PF**	**062RF147**	**DRS**	**160MC4**		1540	223
	0.93	150900	1581	462500	209100	185660	**PH**	**062RF147**	**DRS**	**160MC4**		1890	222
	1.0	133500	1398	472700	209100	185660	**PHF**	**062RF147**	**DRS**	**160MC4**		1530	223
	1.2	112200	1175	473000	209100	185660							
	0.73	191800	1995	433900	209100	185660	**P**	**062RF137**	**DRS**	**180S4**		1810	220
							PF	**062RF137**	**DRS**	**180S4**		1440	221
							PH	**062RF137**	**DRS**	**180S4**		1800	220
							PHF	**062RF137**	**DRS**	**180S4**		1430	221
	0.74	190500	1995	434900	209100	185660	**P**	**062RF137**	**DRS**	**160MC4**		1780	220
	0.84	166300	1741	452500	209100	185660	**PF**	**062RF137**	**DRS**	**160MC4**		1420	221
	0.99	141000	1477	468400	209100	185660	**PH**	**062RF137**	**DRS**	**160MC4**		1770	220
	1.1	123300	1291	473000	209100	185660	**PHF**	**062RF137**	**DRS**	**160MC4**		1410	221
	1.4	104200	1092	473000	209100	185660							
	1.3	110800	1160	473000	209100	185660	**P**	**062RF137**	**DRS**	**160MC4**		1770	220
							PF	**062RF137**	**DRS**	**160MC4**		1410	221
							PH	**062RF137**	**DRS**	**160MC4**		1760	220
							PHF	**062RF137**	**DRS**	**160MC4**		1400	221
	0.99	141000	1477	341400	140600	124060	**P**	**052RF137**	**DRS**	**160MC4**		1300	216
	1.1	123300	1291	356900	140600	124060	**PF**	**052RF137**	**DRS**	**160MC4**		1100	217
	1.4	104200	1092	364000	140600	124060	**PH**	**052RF137**	**DRS**	**160MC4**		1290	216
							PHF	**052RF137**	**DRS**	**160MC4**		1090	217
	1.6	90300	946	364000	140600	124060	**P**	**052RF137**	**DRS**	**160MC4**		1290	216
	1.7	82400	863	364000	140600	124060	**PF**	**052RF137**	**DRS**	**160MC4**		1090	217
							PH	**052RF137**	**DRS**	**160MC4**		1280	216
							PHF	**052RF137**	**DRS**	**160MC4**		1080	217
	1.1	133000	1383	348700	140600	124060	**P**	**052RF107**	**DRS**	**180S4**		1220	214
							PF	**052RF107**	**DRS**	**180S4**		1020	215
							PH	**052RF107**	**DRS**	**180S4**		1210	214
							PHF	**052RF107**	**DRS**	**180S4**		1010	215
	1.1	132100	1383	349500	140600	124060	**P**	**052RF107**	**DRS**	**160MC4**		1190	214
							PF	**052RF107**	**DRS**	**160MC4**		990	215
							PH	**052RF107**	**DRS**	**160MC4**		1180	214
							PHF	**052RF107**	**DRS**	**160MC4**		980	215
	1.3	104900	1092	290500	111000	100170	**P**	**042RF137**	**DRS**	**180S4**		1180	210
							PF	**042RF137**	**DRS**	**180S4**		990	211
							PH	**042RF137**	**DRS**	**180S4**		1180	210
							PHF	**042RF137**	**DRS**	**180S4**		990	211

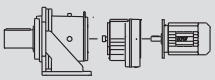
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
15.0	**1.4**	104200	1092	291300	111000	100170	**P**	**042RF137**	**DRS**	**160MC4**	1150	210
							PF	**042RF137**	**DRS**	**160MC4**	960	211
							PH	**042RF137**	**DRS**	**160MC4**	1160	210
							PHF	**042RF137**	**DRS**	**160MC4**	970	211
	1.6	90300	946	305100	111000	100170	**P**	**042RF137**	**DRS**	**160MC4**	1140	210
	1.7	82400	863	312100	111000	100170	**PF**	**042RF137**	**DRS**	**160MC4**	950	211
	2.0	71300	747	320900	111000	100170	**PH**	**042RF137**	**DRS**	**160MC4**	1150	210
							PHF	**042RF137**	**DRS**	**160MC4**	960	211
	1.4	104000	1082	291500	111000	100170	**P**	**042RF107**	**DRS**	**180S4**	1070	208
							PF	**042RF107**	**DRS**	**180S4**	880	209
							PH	**042RF107**	**DRS**	**180S4**	1070	208
							PHF	**042RF107**	**DRS**	**180S4**	880	209
	1.4	103300	1082	292300	111000	100170	**P**	**042RF107**	**DRS**	**160MC4**	1040	208
	1.5	93300	977	302300	111000	100170	**PF**	**042RF107**	**DRS**	**160MC4**	850	209
	1.7	84700	887	310100	111000	100170	**PH**	**042RF107**	**DRS**	**160MC4**	1040	208
	1.9	75100	787	317900	111000	100170	**PHF**	**042RF107**	**DRS**	**160MC4**	850	209
	2.1	68200	714	323000	111000	100170						
	2.4	58600	614	323000	111000	100170						
	1.8	75700	787	214900	86800	69620	**P**	**032RF107**	**DRS**	**180S4**	820	202
							PF	**032RF107**	**DRS**	**180S4**	700	203
							PH	**032RF107**	**DRS**	**180S4**	840	202
							PHF	**032RF107**	**DRS**	**180S4**	720	203
	1.9	75100	787	215600	86800	69620	**P**	**032RF107**	**DRS**	**160MC4**	790	202
	2.1	68200	714	225100	86800	69620	**PF**	**032RF107**	**DRS**	**160MC4**	670	203
	2.4	58600	614	236400	86800	69620	**PH**	**032RF107**	**DRS**	**160MC4**	810	202
	2.7	51100	536	244100	86800	69620	**PHF**	**032RF107**	**DRS**	**160MC4**	690	203
	3.2	43400	455	251000	86800	69620						
	3.0	46400	486	248400	-	69620	**P**	**032RF97**	**DRS**	**160MC4**	750	200
							PF	**032RF97**	**DRS**	**160MC4**	630	201
							PH	**032RF97**	**DRS**	**160MC4**	770	200
							PHF	**032RF97**	**DRS**	**160MC4**	650	201
	2.4	59000	614	178000	64200	51190	**P**	**022RF107**	**DRS**	**180S4**	740	196
	2.7	51500	536	190300	64200	51190	**PF**	**022RF107**	**DRS**	**180S4**	640	197
							PH	**022RF107**	**DRS**	**180S4**	760	196
							PHF	**022RF107**	**DRS**	**180S4**	650	197
	2.4	58600	614	178700	64200	51190	**P**	**022RF107**	**DRS**	**160MC4**	710	196
	2.7	51100	536	190800	64200	51190	**PF**	**022RF107**	**DRS**	**160MC4**	610	197
	3.2	43400	455	197000	64200	51190	**PH**	**022RF107**	**DRS**	**160MC4**	730	196
	3.7	37900	397	197000	64200	51190	**PHF**	**022RF107**	**DRS**	**160MC4**	630	197
	4.4	32000	336	197000	64200	51190						
	2.3	61000	634	174400	64200	51190	**P**	**022RF97**	**DRS**	**180S4**	700	194
	2.5	55100	574	184600	64200	51190	**PF**	**022RF97**	**DRS**	**180S4**	590	195
							PH	**022RF97**	**DRS**	**180S4**	710	194
							PHF	**022RF97**	**DRS**	**180S4**	610	195
	2.3	60600	634	175200	64200	51190	**P**	**022RF97**	**DRS**	**160MC4**	670	194
	2.6	54700	574	185200	64200	51190	**PF**	**022RF97**	**DRS**	**160MC4**	560	195
	3.0	46400	486	197000	64200	51190	**PH**	**022RF97**	**DRS**	**160MC4**	680	194
	3.5	40500	425	197000	64200	51190	**PHF**	**022RF97**	**DRS**	**160MC4**	580	195
	4.0	34700	364	197000	-	51190						
	4.5	31400	329	197000	-	51190						
	5.3	26600	279	197000	-	51190						
	3.4	40800	425	156000	46200	36810	**P**	**012RF97**	**DRS**	**180S4**	550	188
							PF	**012RF97**	**DRS**	**180S4**	475	189
							PH	**012RF97**	**DRS**	**180S4**	560	188
							PHF	**012RF97**	**DRS**	**180S4**	490	189

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	**3.5**	40500	425	156000	46200	36810	**P**	**012RF97**	**DRS**	**160MC4**		520	188
	4.0	34700	364	156000	46200	36810	**PF**	**012RF97**	**DRS**	**160MC4**		450	189
	4.5	31400	329	156000	46200	36810	**PH**	**012RF97**	**DRS**	**160MC4**		530	188
	5.3	26600	279	156000	46200	36810	**PHF**	**012RF97**	**DRS**	**160MC4**		465	189
	6.0	23200	244	152500	46200	36810							
	7.2	19400	204	144600	46200	36810							
	8.3	16800	177	138400	46200	36810							
	8.7	16100	169	136600	-	36810							
	10	13600	143	130000	-	36810							
	12	11900	125	124800	-	36810							
	14	9980	105	118300	-	35000							
	3.1	45000	468	156000	46200	36810	**P**	**012RF87**	**DRS**	**180S4**		495	186
	3.8	37300	388	156000	46200	36810	**PF**	**012RF87**	**DRS**	**180S4**		425	187
							PH	**012RF87**	**DRS**	**180S4**		510	186
							PHF	**012RF87**	**DRS**	**180S4**		440	187
	3.1	44700	468	156000	46200	36810	**P**	**012RF87**	**DRS**	**160MC4**		470	186
	3.8	37000	388	156000	46200	36810	**PF**	**012RF87**	**DRS**	**160MC4**		400	187
							PH	**012RF87**	**DRS**	**160MC4**		480	186
							PHF	**012RF87**	**DRS**	**160MC4**		410	187
	6.0	23100	243	120000	29200	24830	**P**	**002RF97**	**DRS**	**160MC4**		440	180
	7.2	19400	203	116900	29200	24830	**PF**	**002RF97**	**DRS**	**160MC4**		380	181
	8.1	17300	181	112900	29200	24830	**PH**	**002RF97**	**DRS**	**160MC4**		445	180
	8.4	16700	176	111900	29200	24830	**PHF**	**002RF97**	**DRS**	**160MC4**		385	181
	9.0	15600	164	109600	29200	24830							
	11	13200	139	104300	29200	24830							
	12	11500	121	100100	29200	24830							
	14	9690	102	94900	29200	24830							
	17	8390	88	90900	29200	24830							
	5.2	26800	279	114600	29200	24830	**P**	**002RF87**	**DRS**	**180S4**		415	178
							PF	**002RF87**	**DRS**	**180S4**		360	179
							PH	**002RF87**	**DRS**	**180S4**		420	178
							PHF	**002RF87**	**DRS**	**180S4**		360	179
	5.3	26600	279	114900	29200	24830	**P**	**002RF87**	**DRS**	**160MC4**		390	178
	14	9880	104	95500	-	17400	**PF**	**002RF87**	**DRS**	**160MC4**		330	179
							PH	**002RF87**	**DRS**	**160MC4**		390	178
							PHF	**002RF87**	**DRS**	**160MC4**		335	179
18.5	**0.46**	379400	3210	850000	631300	500000	**P**	**102RF167**	**DRS**	**180M4**		4640	234
	0.51	337200	2854	850000	-	500000	**PF**	**102RF167**	**DRS**	**180M4**		3680	235
	0.65	268300	2271	850000	-	500000	**PH**	**102RF167**	**DRS**	**180M4**		4700	234
	0.73	236800	2004	850000	-	500000	**PHF**	**102RF167**	**DRS**	**180M4**		3740	235
	0.95	182600	1546	850000	-	500000							
	1.1	157400	1332	850000	-	500000							
	1.2	140500	1189	850000	631300	500000	**P**	**102RF167**	**DRS**	**180M4**		4630	234
							PF	**102RF167**	**DRS**	**180M4**		3670	235
							PH	**102RF167**	**DRS**	**180M4**		4690	234
							PHF	**102RF167**	**DRS**	**180M4**		3730	235
	0.40	432100	3656	720000	513900	423000	**P**	**092RF167**	**DRS**	**180M4**		3780	232
	0.45	384500	3253	720000	513900	423000	**PF**	**092RF167**	**DRS**	**180M4**		3080	233
	0.51	341700	2891	720000	-	423000	**PH**	**092RF167**	**DRS**	**180M4**		3790	232
	0.64	271900	2301	720000	-	423000	**PHF**	**092RF167**	**DRS**	**180M4**		3100	233
	0.72	240000	2031	720000	-	423000							
	0.94	185100	1566	720000	-	423000							
	1.1	159500	1350	720000	-	423000							
	1.2	142400	1205	720000	513900	423000	**P**	**092RF167**	**DRS**	**180M4**		3780	232
	1.5	113900	964	720000	513900	423000	**PF**	**092RF167**	**DRS**	**180M4**		3080	233
							PH	**092RF167**	**DRS**	**180M4**		3790	232
							PHF	**092RF167**	**DRS**	**180M4**		3090	233
	0.42	413300	3497	601600	397100	359400	**P**	**082RF167**	**DRS**	**180M4**		3280	230
	0.47	367700	3112	646900	397100	359400	**PF**	**082RF167**	**DRS**	**180M4**		2630	231
	0.53	326900	2766	680900	397100	359400	**PH**	**082RF167**	**DRS**	**180M4**		3280	230
	0.58	298900	2530	683000	397100	359400	**PHF**	**082RF167**	**DRS**	**180M4**		2630	231
	0.67	260100	2201	683000	397100	359400							
	0.75	229500	1943	683000	397100	359400							
	0.87	199000	1684	683000	397100	359400							

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
18.5	**0.64**	271000	2293	683000	-	359400	**P**	**082RF147**	**DRS** **180M4**	3020	228
							PF	**082RF147**	**DRS** **180M4**	2380	229
							PH	**082RF147**	**DRS** **180M4**	3020	228
							PHF	**082RF147**	**DRS** **180M4**	2370	229
	0.57	303400	2568	482100	274600	245660	**P**	**072RF167**	**DRS** **180M4**	2630	226
	0.96	179700	1521	523000	274600	245660	**PF**	**072RF167**	**DRS** **180M4**	2140	227
							PH	**072RF167**	**DRS** **180M4**	2680	226
							PHF	**072RF167**	**DRS** **180M4**	2190	227
	0.63	275000	2328	515600	-	245660	**P**	**072RF147**	**DRS** **180M4**	2370	224
	0.73	238000	2014	523000	-	245660	**PF**	**072RF147**	**DRS** **180M4**	1880	225
	0.82	210000	1777	523000	-	245660	**PH**	**072RF147**	**DRS** **180M4**	2420	224
	0.95	181300	1535	523000	-	245660	**PHF**	**072RF147**	**DRS** **180M4**	1930	225
	1.1	160400	1358	523000	-	245660					
	1.3	134800	1141	523000	-	245660					
	0.80	216300	1830	413400	209100	185660	**P**	**062RF147**	**DRS** **180M4**	1940	222
	0.93	186800	1581	437800	209100	185660	**PF**	**062RF147**	**DRS** **180M4**	1580	223
	1.0	165200	1398	453200	209100	185660	**PH**	**062RF147**	**DRS** **180M4**	1930	222
	1.2	138800	1175	469700	209100	185660	**PHF**	**062RF147**	**DRS** **180M4**	1570	223
	1.5	112100	949	473000	209100	185660					
	0.84	205800	1741	422600	209100	185660	**P**	**062RF137**	**DRS** **180M4**	1820	220
	0.99	174600	1477	446800	209100	185660	**PF**	**062RF137**	**DRS** **180M4**	1460	221
	1.1	152600	1291	461400	209100	185660	**PH**	**062RF137**	**DRS** **180M4**	1810	220
	1.3	129000	1092	473000	209100	185660	**PHF**	**062RF137**	**DRS** **180M4**	1450	221
	1.3	137100	1160	470700	209100	185660	**P**	**062RF137**	**DRS** **180M4**	1820	220
	1.6	111800	946	473000	209100	185660	**PF**	**062RF137**	**DRS** **180M4**	1450	221
	1.7	102000	863	473000	209100	185660	**PH**	**062RF137**	**DRS** **180M4**	1800	220
							PHF	**062RF137**	**DRS** **180M4**	1440	221
	1.3	129000	1092	352200	140600	124060	**P**	**052RF137**	**DRS** **180M4**	1340	216
							PF	**052RF137**	**DRS** **180M4**	1140	217
							PH	**052RF137**	**DRS** **180M4**	1330	216
							PHF	**052RF137**	**DRS** **180M4**	1130	217
	1.6	111800	946	364000	140600	124060	**P**	**052RF137**	**DRS** **180M4**	1330	216
	1.7	102000	863	364000	140600	124060	**PF**	**052RF137**	**DRS** **180M4**	1130	217
	2.0	88200	747	364000	140600	124060	**PH**	**052RF137**	**DRS** **180M4**	1320	216
	2.2	77900	659	364000	140600	124060	**PHF**	**052RF137**	**DRS** **180M4**	1120	217
	2.0	84400	714	364000	140600	124060	**P**	**052RF107**	**DRS** **180M4**	1230	214
	2.4	72500	614	364000	140600	124060	**PF**	**052RF107**	**DRS** **180M4**	1030	215
							PH	**052RF107**	**DRS** **180M4**	1220	214
							PHF	**052RF107**	**DRS** **180M4**	1020	215
	1.6	111800	946	282900	111000	100170	**P**	**042RF137**	**DRS** **180M4**	1190	210
	1.7	102000	863	293700	111000	100170	**PF**	**042RF137**	**DRS** **180M4**	1000	211
	2.0	88200	747	307000	111000	100170	**PH**	**042RF137**	**DRS** **180M4**	1190	210
	2.6	67200	569	323000	111000	100170	**PHF**	**042RF137**	**DRS** **180M4**	1000	211
	1.6	104800	887	290700	111000	100170	**P**	**042RF107**	**DRS** **180M4**	1080	208
	1.9	93000	787	302600	111000	100170	**PF**	**042RF107**	**DRS** **180M4**	890	209
	2.0	84400	714	310400	111000	100170	**PH**	**042RF107**	**DRS** **180M4**	1090	208
	2.4	72500	614	319900	111000	100170	**PHF**	**042RF107**	**DRS** **180M4**	900	209
	2.7	63300	536	323000	111000	100170					
	3.2	53700	455	323000	111000	100170					
	2.0	84400	714	201300	86800	69620	**P**	**032RF107**	**DRS** **180M4**	840	202
	2.4	72500	614	219300	86800	69620	**PF**	**032RF107**	**DRS** **180M4**	720	203
	2.7	63300	536	231100	86800	69620	**PH**	**032RF107**	**DRS** **180M4**	860	202
	3.2	53700	455	241600	86800	69620	**PHF**	**032RF107**	**DRS** **180M4**	740	203
	3.7	46900	397	248000	86800	69620					
	4.4	39700	336	249300	86800	69620					
	4.4	38900	329	247800	-	69620	**P**	**032RF97**	**DRS** **180M4**	790	200
	5.2	32900	279	235800	-	69620	**PF**	**032RF97**	**DRS** **180M4**	670	201
							PH	**032RF97**	**DRS** **180M4**	810	200
							PHF	**032RF97**	**DRS** **180M4**	690	201

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
18.5	2.7	63300	536	170000	64200	51190	P	022RF107	DRS	180M4	760	196
	3.2	53700	455	186900	64200	51190	PF	022RF107	DRS	180M4	660	197
	3.7	46900	397	196800	64200	51190	PH	022RF107	DRS	180M4	770	196
	4.4	39700	336	197000	64200	51190	PHF	022RF107	DRS	180M4	670	197
	4.8	36400	308	197000	64200	51190						
	5.6	30900	261	197000	64200	51190						
	6.4	27000	228	197000	64200	51190						
	7.6	22800	193	197000	64200	51190						
	3.0	57400	486	180700	64200	51190	P	022RF97	DRS	180M4	710	194
	4.0	43000	364	197000	-	51190	PF	022RF97	DRS	180M4	610	195
	4.4	38900	329	197000	-	51190	PH	022RF97	DRS	180M4	730	194
	5.2	32900	279	197000	-	51190	PHF	022RF97	DRS	180M4	620	195
	6.0	28800	244	197000	-	51190						
	7.2	24100	204	197000	-	51190						
	8.3	20800	177	197000	-	51190						
	8.7	19900	169	197000	-	40000						
	8.5	20300	172	137500	46200	36810	P	012RF107	DRS	180M4	610	190
	9.3	18600	158	134100	46200	36810	PF	012RF107	DRS	180M4	540	191
	11	15800	134	127600	46200	36810	PH	012RF107	DRS	180M4	620	190
	13	13800	117	122500	46200	36810	PHF	012RF107	DRS	180M4	550	191
	4.0	43000	364	156000	46200	36810	P	012RF97	DRS	180M4	560	188
	4.4	38900	329	156000	46200	36810	PF	012RF97	DRS	180M4	495	189
	5.2	32900	279	156000	46200	36810	PH	012RF97	DRS	180M4	580	188
	6.0	28800	244	152700	46200	36810	PHF	012RF97	DRS	180M4	510	189
	7.2	24100	204	144700	46200	36810						
	8.3	20800	177	138600	46200	36810						
	8.7	19900	169	136700	-	36810						
	10	16900	143	130100	-	36810						
	12	14700	125	124900	-	36810						
	14	12300	105	118400	-	35000						
	16	10600	91	113400	-	32100						
	3.8	45900	388	156000	46200	36810	P	012RF87	DRS	180M4	510	186
	4.5	38100	322	156000	46200	36810	PF	012RF87	DRS	180M4	445	187
							PH	012RF87	DRS	180M4	530	186
							PHF	012RF87	DRS	180M4	455	187
	6.0	28700	243	111500	29200	24830	P	002RF97	DRS	180M4	485	180
	7.2	24000	203	117000	29200	24830	PF	002RF97	DRS	180M4	425	181
	8.3	20700	176	112000	29200	24830	PH	002RF97	DRS	180M4	485	180
	8.9	19300	164	109700	29200	24830	PHF	002RF97	DRS	180M4	430	181
	11	16400	139	104400	29200	24830						
	12	14300	121	100200	29200	24830						
	14	11900	102	95000	29200	24830						
	17	10300	88	91000	29200	24830						
22	0.41	507100	3608	850000	631300	500000	P	102RF167	DRS	180L4	4650	234
	0.46	451200	3210	850000	631300	500000	PF	102RF167	DRS	180L4	3690	235
	0.51	401000	2854	850000	-	500000	PH	102RF167	DRS	180L4	4710	234
	0.65	319100	2271	850000	-	500000	PHF	102RF167	DRS	180L4	3750	235
	0.73	281600	2004	850000	-	500000						
	0.95	217200	1546	850000	-	500000						
	1.1	187200	1332	850000	-	500000						
	1.2	167100	1189	850000	631300	500000	P	102RF167	DRS	180L4	4640	234
	1.5	133600	951	850000	631300	500000	PF	102RF167	DRS	180L4	3680	235
							PH	102RF167	DRS	180L4	4700	234
							PHF	102RF167	DRS	180L4	3740	235
	0.45	457200	3253	720000	513900	423000	P	092RF167	DRS	180L4	3790	232
	0.51	406400	2891	720000	-	423000	PF	092RF167	DRS	180L4	3100	233
	0.64	323400	2301	720000	-	423000	PH	092RF167	DRS	180L4	3800	232
	0.72	285400	2031	720000	-	423000	PHF	092RF167	DRS	180L4	3110	233
	0.94	220100	1566	720000	-	423000						
	1.1	189700	1350	720000	-	423000						
	1.2	169300	1205	720000	513900	423000	P	092RF167	DRS	180L4	3790	232
	1.5	135400	964	720000	513900	423000	PF	092RF167	DRS	180L4	3090	233
	1.7	120400	857	720000	513900	423000	PH	092RF167	DRS	180L4	3800	232
	2.0	104900	747	720000	513900	423000	PHF	092RF167	DRS	180L4	3100	233

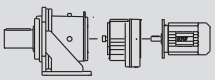
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
22	**0.53**	388700	2766	626900	397100	359400	**P**	**082RF167**	**DRS**	**180L4**	3290	230
	0.58	355500	2530	657900	397100	359400	**PF**	**082RF167**	**DRS**	**180L4**	2640	231
	0.67	309300	2201	683000	397100	359400	**PH**	**082RF167**	**DRS**	**180L4**	3290	230
	0.75	273000	1943	683000	397100	359400	**PHF**	**082RF167**	**DRS**	**180L4**	2640	231
	0.87	236600	1684	683000	397100	359400						
	0.98	210500	1498	683000	397100	359400						
	1.1	181500	1291	683000	397100	359400						
	0.64	322200	2293	683000	-	359400	**P**	**082RF147**	**DRS**	**180L4**	3040	228
	0.84	246100	1751	683000	-	359400	**PF**	**082RF147**	**DRS**	**180L4**	2390	229
	0.97	212500	1512	683000	-	359400	**PH**	**082RF147**	**DRS**	**180L4**	3030	228
	1.1	187900	1338	683000	-	359400	**PHF**	**082RF147**	**DRS**	**180L4**	2380	229
	1.3	157900	1141	683000	-	359400						
	0.96	213700	1521	523000	274600	245660	**P**	**072RF167**	**DRS**	**180L4**	2640	226
	1.4	149600	1065	523000	274600	245660	**PF**	**072RF167**	**DRS**	**180L4**	2150	227
							PH	**072RF167**	**DRS**	**180L4**	2690	226
							PHF	**072RF167**	**DRS**	**180L4**	2200	227
	0.73	283000	2014	506600	-	245660	**P**	**072RF147**	**DRS**	**180L4**	2380	224
	0.82	249700	1777	523000	-	245660	**PF**	**072RF147**	**DRS**	**180L4**	1890	225
	1.1	190700	1358	523000	-	245660	**PH**	**072RF147**	**DRS**	**180L4**	2430	224
	1.3	160300	1141	523000	-	245660	**PHF**	**072RF147**	**DRS**	**180L4**	1940	225
	1.6	129500	922	523000	-	245660						
	0.93	222200	1581	408100	209100	185660	**P**	**062RF147**	**DRS**	**180L4**	1960	222
	1.0	196500	1398	430200	209100	185660	**PF**	**062RF147**	**DRS**	**180L4**	1590	223
	1.2	165100	1175	453300	209100	185660	**PH**	**062RF147**	**DRS**	**180L4**	1940	222
	1.5	133400	949	472800	209100	185660	**PHF**	**062RF147**	**DRS**	**180L4**	1580	223
	1.8	112700	802	473000	209100	185660	**P**	**062RF147**	**DRS**	**180L4**	1940	222
							PF	**062RF147**	**DRS**	**180L4**	1580	223
							PH	**062RF147**	**DRS**	**180L4**	1930	222
							PHF	**062RF147**	**DRS**	**180L4**	1570	223
	0.99	207600	1477	421000	209100	185660	**P**	**062RF137**	**DRS**	**180L4**	1840	220
	1.3	153400	1092	460900	209100	185660	**PF**	**062RF137**	**DRS**	**180L4**	1470	221
							PH	**062RF137**	**DRS**	**180L4**	1820	220
							PHF	**062RF137**	**DRS**	**180L4**	1460	221
	1.7	121300	863	473000	209100	185660	**P**	**062RF137**	**DRS**	**180L4**	1830	220
	2.0	105000	747	473000	209100	185660	**PF**	**062RF137**	**DRS**	**180L4**	1460	221
	2.2	92600	659	473000	209100	185660	**PH**	**062RF137**	**DRS**	**180L4**	1820	220
							PHF	**062RF137**	**DRS**	**180L4**	1450	221
	1.6	133000	946	348700	140600	124060	**P**	**052RF137**	**DRS**	**180L4**	1340	216
	1.7	121300	863	358600	140600	124060	**PF**	**052RF137**	**DRS**	**180L4**	1140	217
	2.0	105000	747	364000	140600	124060	**PH**	**052RF137**	**DRS**	**180L4**	1330	216
	2.2	92600	659	364000	140600	124060	**PHF**	**052RF137**	**DRS**	**180L4**	1130	217
	2.6	80000	569	364000	140600	124060						
	2.9	70700	503	364000	140600	124060						
	2.7	75300	536	364000	140600	124060	**P**	**052RF107**	**DRS**	**180L4**	1240	214
	3.2	63900	455	364000	140600	124060	**PF**	**052RF107**	**DRS**	**180L4**	1040	215
							PH	**052RF107**	**DRS**	**180L4**	1230	214
							PHF	**052RF107**	**DRS**	**180L4**	1030	215
	2.0	105000	747	290500	111000	100170	**P**	**042RF137**	**DRS**	**180L4**	1200	210
	2.6	80000	569	314100	111000	100170	**PF**	**042RF137**	**DRS**	**180L4**	1010	211
	3.5	59400	423	323000	111000	100170	**PH**	**042RF137**	**DRS**	**180L4**	1200	210
							PHF	**042RF137**	**DRS**	**180L4**	1010	211
	1.9	110600	787	284300	111000	100170	**P**	**042RF107**	**DRS**	**180L4**	1100	208
	2.0	100400	714	295300	111000	100170	**PF**	**042RF107**	**DRS**	**180L4**	910	209
	2.4	86300	614	308700	111000	100170	**PH**	**042RF107**	**DRS**	**180L4**	1100	208
	2.7	75300	536	317800	111000	100170	**PHF**	**042RF107**	**DRS**	**180L4**	910	209
	3.2	63900	455	323000	111000	100170						
	3.7	55800	397	323000	111000	100170						
	2.4	86300	614	198200	86800	69620	**P**	**032RF107**	**DRS**	**180L4**	850	202
	2.7	75300	536	215400	86800	69620	**PF**	**032RF107**	**DRS**	**180L4**	730	203
	3.2	63900	455	230400	86800	69620	**PH**	**032RF107**	**DRS**	**180L4**	870	202
	3.7	55800	397	239400	86800	69620	**PHF**	**032RF107**	**DRS**	**180L4**	750	203
	4.4	47200	336	247800	86800	69620						
	4.8	43300	308	242900	86800	69620						
	5.6	36700	261	231200	86800	69620						
	6.4	32100	228	222100	86800	69620						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
22	**3.2**	63900	455	168900	64200	51190	**P**	**022RF107**	**DRS**	**180L4**		770	196
	3.7	55800	397	183500	64200	51190	**PF**	**022RF107**	**DRS**	**180L4**		670	197
	4.4	47200	336	196500	64200	51190	**PH**	**022RF107**	**DRS**	**180L4**		780	196
	4.8	43300	308	197000	64200	51190	**PHF**	**022RF107**	**DRS**	**180L4**		680	197
	5.6	36700	261	197000	64200	51190							
	6.4	32100	228	197000	64200	51190							
	7.6	27100	193	197000	64200	51190							
	8.5	24200	172	197000	64200	51190							
	9.3	22200	158	197000	64200	51190							
	3.4	59700	425	176800	64200	51190	**P**	**022RF97**	**DRS**	**180L4**		720	194
	4.4	46200	329	197000	-	51190	**PF**	**022RF97**	**DRS**	**180L4**		620	195
	5.2	39200	279	197000	-	51190	**PH**	**022RF97**	**DRS**	**180L4**		740	194
	6.0	34200	244	197000	-	51190	**PHF**	**022RF97**	**DRS**	**180L4**		640	195
	7.2	28600	204	197000	-	51190							
	8.3	24800	177	197000	-	51190							
	8.5	24200	172	137500	46200	36810	**P**	**012RF107**	**DRS**	**180L4**		620	190
	9.3	22200	158	134100	46200	36810	**PF**	**012RF107**	**DRS**	**180L4**		550	191
	11	18800	134	127600	46200	36810	**PH**	**012RF107**	**DRS**	**180L4**		630	190
	13	16400	117	122500	46200	36810	**PHF**	**012RF107**	**DRS**	**180L4**		560	191
	15	13900	99	116500	46200	36810							
	5.2	39200	279	156000	46200	36810	**P**	**012RF97**	**DRS**	**180L4**		570	188
	6.0	34200	244	152700	46200	36810	**PF**	**012RF97**	**DRS**	**180L4**		500	189
	7.2	28600	204	144700	46200	36810	**PH**	**012RF97**	**DRS**	**180L4**		590	188
	8.3	24800	177	138600	46200	36810	**PHF**	**012RF97**	**DRS**	**180L4**		520	189
	8.7	23700	169	136700	-	36810							
	10	20100	143	130100	-	36810							
	12	17500	125	124900	-	36810							
	14	14600	105	118400	-	35000							
	16	12700	91	113400	-	32100							
	4.5	45300	322	156000	46200	36810	**P**	**012RF87**	**DRS**	**180L4**		520	186
							PF	**012RF87**	**DRS**	**180L4**		455	187
							PH	**012RF87**	**DRS**	**180L4**		540	186
							PHF	**012RF87**	**DRS**	**180L4**		470	187
	7.2	28500	203	111800	29200	24830	**P**	**002RF97**	**DRS**	**180L4**		495	180
	8.1	25400	181	113100	29200	24830	**PF**	**002RF97**	**DRS**	**180L4**		435	181
	8.9	23000	164	109700	29200	24830	**PH**	**002RF97**	**DRS**	**180L4**		500	180
	11	19500	139	104400	29200	24830	**PHF**	**002RF97**	**DRS**	**180L4**		440	181
	12	17000	121	100200	29200	24830							
	14	14200	102	95000	29200	24830							
	17	12300	88	91000	29200	24830							
	7.1	29100	207	110800	29200	24830	**P**	**002RF87**	**DRS**	**180L4**		445	178
							PF	**002RF87**	**DRS**	**180L4**		385	179
							PH	**002RF87**	**DRS**	**180L4**		450	178
							PHF	**002RF87**	**DRS**	**180L4**		390	179
30	**0.46**	611100	3210	804000	631300	500000	**P**	**102RF167**	**DRS**	**200L4**		4760	234
							PF	**102RF167**	**DRS**	**200L4**		3800	235
							PH	**102RF167**	**DRS**	**200L4**		4820	234
							PHF	**102RF167**	**DRS**	**200L4**		3860	235
	0.46	613200	3210	802400	631300	500000	**P**	**102RF167**	**DRS**	**180LC4**		4660	234
	0.52	545000	2854	850000	-	500000	**PF**	**102RF167**	**DRS**	**180LC4**		3700	235
	0.65	433700	2271	850000	-	500000	**PH**	**102RF167**	**DRS**	**180LC4**		4720	234
	0.73	382700	2004	850000	-	500000	**PHF**	**102RF167**	**DRS**	**180LC4**		3760	235
	0.95	295200	1546	850000	-	500000							
	1.1	254400	1332	850000	-	500000							
	1.2	227100	1189	850000	631300	500000	**P**	**102RF167**	**DRS**	**180LC4**		4650	234
	1.6	181600	951	850000	631300	500000	**PF**	**102RF167**	**DRS**	**180LC4**		3700	235
	1.7	161500	846	850000	631300	500000	**PH**	**102RF167**	**DRS**	**180LC4**		4710	234
	2.0	140700	737	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**180LC4**		3760	235
	2.2	125600	657	850000	631300	500000							
	0.64	439500	2301	720000	-	423000	**P**	**092RF167**	**DRS**	**180LC4**		3800	232
	0.72	387800	2031	720000	-	423000	**PF**	**092RF167**	**DRS**	**180LC4**		3110	233
	0.94	299100	1566	720000	-	423000	**PH**	**092RF167**	**DRS**	**180LC4**		3820	232
	1.1	257800	1350	720000	-	423000	**PHF**	**092RF167**	**DRS**	**180LC4**		3120	233

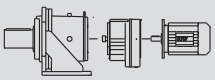
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
30	**1.2**	230100	1205	720000	513900	423000	**P**	**092RF167**	**DRS**	**180LC4**	3800	232
	1.5	184100	964	720000	513900	423000	**PF**	**092RF167**	**DRS**	**180LC4**	3100	233
	1.7	163700	857	720000	513900	423000	**PH**	**092RF167**	**DRS**	**180LC4**	3810	232
	2.0	142600	747	720000	513900	423000	**PHF**	**092RF167**	**DRS**	**180LC4**	3110	233
	2.2	127200	666	720000	513900	423000						
	2.6	108400	568	720000	513900	423000						
	0.76	369700	1943	645100	397100	359400	**P**	**082RF167**	**DRS**	**200L4**	3400	230
							PF	**082RF167**	**DRS**	**200L4**	2750	231
							PH	**082RF167**	**DRS**	**200L4**	3400	230
							PHF	**082RF167**	**DRS**	**200L4**	2750	231
	0.67	420400	2201	593900	397100	359400	**P**	**082RF167**	**DRS**	**180LC4**	3300	230
	0.76	371000	1943	643900	397100	359400	**PF**	**082RF167**	**DRS**	**180LC4**	2660	231
	0.87	321600	1684	683000	397100	359400	**PH**	**082RF167**	**DRS**	**180LC4**	3300	230
	0.98	286100	1498	683000	397100	359400	**PHF**	**082RF167**	**DRS**	**180LC4**	2650	231
	1.1	246600	1291	683000	397100	359400						
	1.4	200400	1049	683000	397100	359400						
	0.97	290400	1521	498000	274600	245660	**P**	**072RF167**	**DRS**	**180LC4**	2650	226
	1.4	203400	1065	523000	274600	245660	**PF**	**072RF167**	**DRS**	**180LC4**	2160	227
							PH	**072RF167**	**DRS**	**180LC4**	2700	226
							PHF	**072RF167**	**DRS**	**180LC4**	2210	227
	1.1	259200	1358	523000	-	245660	**P**	**072RF147**	**DRS**	**180LC4**	2390	224
	1.3	217900	1141	523000	-	245660	**PF**	**072RF147**	**DRS**	**180LC4**	1900	225
	1.6	175900	922	523000	-	245660	**PH**	**072RF147**	**DRS**	**180LC4**	2440	224
							PHF	**072RF147**	**DRS**	**180LC4**	1950	225
	1.9	148600	779	523000	274600	245660	**P**	**072RF147**	**DRS**	**180LC4**	2380	224
							PF	**072RF147**	**DRS**	**180LC4**	1890	225
							PH	**072RF147**	**DRS**	**180LC4**	2430	224
							PHF	**072RF147**	**DRS**	**180LC4**	1940	225
	1.6	181300	949	441900	209100	185660	**P**	**062RF147**	**DRS**	**180LC4**	1970	222
							PF	**062RF147**	**DRS**	**180LC4**	1600	223
							PH	**062RF147**	**DRS**	**180LC4**	1960	222
							PHF	**062RF147**	**DRS**	**180LC4**	1590	223
	1.8	153100	802	461100	209100	185660	**P**	**062RF147**	**DRS**	**180LC4**	1960	222
	2.1	135100	708	471800	209100	185660	**PF**	**062RF147**	**DRS**	**180LC4**	1590	223
	2.4	117100	614	473000	209100	185660	**PH**	**062RF147**	**DRS**	**180LC4**	1940	222
							PHF	**062RF147**	**DRS**	**180LC4**	1580	223
	1.4	207800	1092	420900	209100	185660	**P**	**062RF137**	**DRS**	**200L4**	1940	220
							PF	**062RF137**	**DRS**	**200L4**	1580	221
							PH	**062RF137**	**DRS**	**200L4**	1930	220
							PHF	**062RF137**	**DRS**	**200L4**	1570	221
	1.4	208500	1092	420300	209100	185660	**P**	**062RF137**	**DRS**	**180LC4**	1850	220
							PF	**062RF137**	**DRS**	**180LC4**	1480	221
							PH	**062RF137**	**DRS**	**180LC4**	1840	220
							PHF	**062RF137**	**DRS**	**180LC4**	1470	221
	1.7	164800	863	453500	209100	185660	**P**	**062RF137**	**DRS**	**180LC4**	1840	220
	2.0	142600	747	467500	209100	185660	**PF**	**062RF137**	**DRS**	**180LC4**	1470	221
	2.2	125900	659	473000	209100	185660	**PH**	**062RF137**	**DRS**	**180LC4**	1830	220
	2.6	108700	569	473000	209100	185660	**PHF**	**062RF137**	**DRS**	**180LC4**	1460	221
	2.9	96100	503	473000	209100	185660						
	2.2	125400	659	355200	140600	124060	**P**	**052RF137**	**DRS**	**200L4**	1450	216
							PF	**052RF137**	**DRS**	**200L4**	1250	217
							PH	**052RF137**	**DRS**	**200L4**	1440	216
							PHF	**052RF137**	**DRS**	**200L4**	1240	217
	2.0	142600	747	339900	140600	124060	**P**	**052RF137**	**DRS**	**180LC4**	1350	216
	2.2	125900	659	354800	140600	124060	**PF**	**052RF137**	**DRS**	**180LC4**	1150	217
	2.6	108700	569	364000	140600	124060	**PH**	**052RF137**	**DRS**	**180LC4**	1350	216
	2.9	96100	503	364000	140600	124060	**PHF**	**052RF137**	**DRS**	**180LC4**	1150	217
	3.5	80800	423	364000	140600	124060						
	2.1	136000	714	346100	140600	124060	**P**	**052RF107**	**DRS**	**200L4**	1350	214
							PF	**052RF107**	**DRS**	**200L4**	1150	215
							PH	**052RF107**	**DRS**	**200L4**	1340	214
							PHF	**052RF107**	**DRS**	**200L4**	1140	215

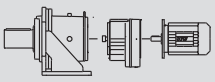
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
30	**2.1**	136400	714	345700	140600	124060	**P**	**052RF107**	**DRS**	**180LC4**	1250	214
							PF	**052RF107**	**DRS**	**180LC4**	1050	215
							PH	**052RF107**	**DRS**	**180LC4**	1240	214
							PHF	**052RF107**	**DRS**	**180LC4**	1040	215
	2.6	108300	569	286800	111000	100170	**P**	**042RF137**	**DRS**	**200L4**	1300	210
							PF	**042RF137**	**DRS**	**200L4**	1120	211
							PH	**042RF137**	**DRS**	**200L4**	1310	210
							PHF	**042RF137**	**DRS**	**200L4**	1120	211
	2.6	108700	569	286400	111000	100170	**P**	**042RF137**	**DRS**	**180LC4**	1210	210
	3.5	80800	423	313400	111000	100170	**PF**	**042RF137**	**DRS**	**180LC4**	1020	211
	4.3	65200	342	309200	111000	100170	**PH**	**042RF137**	**DRS**	**180LC4**	1210	210
	4.9	56800	298	296600	111000	100170	**PHF**	**042RF137**	**DRS**	**180LC4**	1020	211
	5.9	47800	250	281700	111000	100170						
	2.8	102000	536	293700	111000	100170	**P**	**042RF107**	**DRS**	**200L4**	1200	208
							PF	**042RF107**	**DRS**	**200L4**	1010	209
							PH	**042RF107**	**DRS**	**200L4**	1210	208
							PHF	**042RF107**	**DRS**	**200L4**	1020	209
	2.7	102300	536	293300	111000	100170	**P**	**042RF107**	**DRS**	**180LC4**	1110	208
	3.2	86800	455	308300	111000	100170	**PF**	**042RF107**	**DRS**	**180LC4**	920	209
	3.7	75900	397	317400	111000	100170	**PH**	**042RF107**	**DRS**	**180LC4**	1110	208
	4.4	64100	336	307700	111000	100170	**PHF**	**042RF107**	**DRS**	**180LC4**	920	209
	4.8	58800	308	299800	111000	100170						
	5.6	49900	261	285400	111000	100170						
	3.2	86500	455	197700	86800	69620	**P**	**032RF107**	**DRS**	**200L4**	960	202
	3.7	75600	397	215000	86800	69620	**PF**	**032RF107**	**DRS**	**200L4**	840	203
							PH	**032RF107**	**DRS**	**200L4**	980	202
							PHF	**032RF107**	**DRS**	**200L4**	860	203
	3.7	75900	397	214600	86800	69620	**P**	**032RF107**	**DRS**	**180LC4**	860	202
	4.4	64100	336	230100	86800	69620	**PF**	**032RF107**	**DRS**	**180LC4**	740	203
	4.8	58800	308	236200	86800	69620	**PH**	**032RF107**	**DRS**	**180LC4**	880	202
	5.6	49900	261	231000	86800	69620	**PHF**	**032RF107**	**DRS**	**180LC4**	760	203
	6.4	43600	228	221900	86800	69620						
	7.6	36900	193	210900	86800	69620						
	8.5	32800	172	203700	-	69620						
	9.3	30100	158	198600	-	58500						
	11	25500	134	189000	-	58500						
	13	22300	117	181500	-	58500						
	15	18900	99	172600	-	57100						
	16	17200	91	168000	-	32100	**P**	**032RF97**	**DRS**	**180LC4**	810	200
							PF	**032RF97**	**DRS**	**180LC4**	690	201
							PH	**032RF97**	**DRS**	**180LC4**	840	200
							PHF	**032RF97**	**DRS**	**180LC4**	710	201
	4.4	63900	336	168800	64200	51190	**P**	**022RF107**	**DRS**	**200L4**	880	196
	4.8	58600	308	178700	64200	51190	**PF**	**022RF107**	**DRS**	**200L4**	770	197
							PH	**022RF107**	**DRS**	**200L4**	890	196
							PHF	**022RF107**	**DRS**	**200L4**	790	197
	4.4	64100	336	168300	64200	51190	**P**	**022RF107**	**DRS**	**180LC4**	780	196
	4.8	58800	308	178300	64200	51190	**PF**	**022RF107**	**DRS**	**180LC4**	680	197
	5.6	49900	261	192700	64200	51190	**PH**	**022RF107**	**DRS**	**180LC4**	790	196
	6.4	43600	228	197000	64200	51190	**PHF**	**022RF107**	**DRS**	**180LC4**	690	197
	7.6	36900	193	197000	64200	51190						
	8.5	32800	172	197000	64200	51190						
	9.3	30100	158	197000	64200	51190						
	8.5	32800	172	137400	46200	36810	**P**	**012RF107**	**DRS**	**180LC4**	630	190
	9.3	30100	158	133900	46200	36810	**PF**	**012RF107**	**DRS**	**180LC4**	560	191
	11	25500	134	127500	46200	36810	**PH**	**012RF107**	**DRS**	**180LC4**	650	190
	13	22300	117	122400	46200	36810	**PHF**	**012RF107**	**DRS**	**180LC4**	580	191
	15	18900	99	116400	46200	36810						
	7.2	38800	204	144400	46200	36810	**P**	**012RF97**	**DRS**	**200L4**	680	188
							PF	**012RF97**	**DRS**	**200L4**	610	189
							PH	**012RF97**	**DRS**	**200L4**	700	188
							PHF	**012RF97**	**DRS**	**200L4**	630	189

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
30	7.2	38900	204	144600	46200	36810	P	012RF97	DRS	180LC4	590	188
	16	17200	91	113300	-	32100	PF	012RF97	DRS	180LC4	520	189
							PH	012RF97	DRS	180LC4	600	188
							PHF	012RF97	DRS	180LC4	530	189
	11	24800	130	102200	29200	24830	P	002RF107	DRS	180LC4	550	182
	13	21700	114	98200	29200	24830	PF	002RF107	DRS	180LC4	495	183
	15	18300	96	93400	29200	24830	PH	002RF107	DRS	180LC4	560	182
							PHF	002RF107	DRS	180LC4	500	183
	11	26400	139	104200	29200	24830	P	002RF97	DRS	200L4	600	180
							PF	002RF97	DRS	200L4	540	181
							PH	002RF97	DRS	200L4	610	180
							PHF	002RF97	DRS	200L4	550	181
	11	26500	139	104300	29200	24830	P	002RF97	DRS	180LC4	510	180
	17	16700	88	90900	29200	24830	PF	002RF97	DRS	180LC4	450	181
							PH	002RF97	DRS	180LC4	510	180
							PHF	002RF97	DRS	180LC4	450	181
37	0.65	533100	2271	850000	-	500000	P	102RF167	DRS	225S4	4780	234
	0.74	470400	2004	850000	-	500000	PF	102RF167	DRS	225S4	3830	235
	0.95	362900	1546	850000	-	500000	PH	102RF167	DRS	225S4	4850	234
	1.1	312800	1332	850000	-	500000	PHF	102RF167	DRS	225S4	3890	235
	1.2	279100	1189	850000	631300	500000	P	102RF167	DRS	225S4	4780	234
	1.6	223300	951	850000	631300	500000	PF	102RF167	DRS	225S4	3820	235
	1.7	198600	846	850000	631300	500000	PH	102RF167	DRS	225S4	4840	234
	2.0	173000	737	850000	631300	500000	PHF	102RF167	DRS	225S4	3880	235
	2.2	154300	657	850000	631300	500000						
	2.6	131500	561	850000	631300	500000						
	0.73	476700	2031	705500	-	423000	P	092RF167	DRS	225S4	3930	232
	0.94	367700	1566	720000	-	423000	PF	092RF167	DRS	225S4	3230	233
	1.1	316900	1350	720000	-	423000	PH	092RF167	DRS	225S4	3940	232
							PHF	092RF167	DRS	225S4	3250	233
	1.2	282800	1205	720000	513900	423000	P	092RF167	DRS	225S4	3920	232
	1.5	226300	964	720000	513900	423000	PF	092RF167	DRS	225S4	3230	233
	1.7	201200	857	720000	513900	423000	PH	092RF167	DRS	225S4	3940	232
	2.0	175300	747	720000	513900	423000	PHF	092RF167	DRS	225S4	3240	233
	2.2	156400	666	720000	513900	423000						
	2.6	133300	568	720000	513900	423000						
	3.1	110400	470	720000	513900	423000						
	0.88	395300	1684	620300	397100	359400	P	082RF167	DRS	225S4	3430	230
	0.98	351700	1498	661200	397100	359400	PF	082RF167	DRS	225S4	2780	231
	1.1	303200	1291	683000	397100	359400	PH	082RF167	DRS	225S4	3430	230
	1.4	246300	1049	683000	397100	359400	PHF	082RF167	DRS	225S4	2780	231
	1.7	208900	890	683000	397100	359400						
	1.8	192500	820	683000	397100	359400	P	082RF167	DRS	225S4	3430	230
							PF	082RF167	DRS	225S4	2780	231
							PH	082RF167	DRS	225S4	3420	230
							PHF	082RF167	DRS	225S4	2770	231
	1.4	250000	1065	523000	274600	245660	P	072RF167	DRS	225S4	2780	226
							PF	072RF167	DRS	225S4	2280	227
							PH	072RF167	DRS	225S4	2830	226
							PHF	072RF167	DRS	225S4	2340	227
	1.6	216300	922	523000	-	245660	P	072RF147	DRS	225S4	2520	224
							PF	072RF147	DRS	225S4	2030	225
							PH	072RF147	DRS	225S4	2570	224
							PHF	072RF147	DRS	225S4	2080	225
	1.9	182700	779	523000	274600	245660	P	072RF147	DRS	225S4	2500	224
	2.2	161200	687	523000	274600	245660	PF	072RF147	DRS	225S4	2010	225
							PH	072RF147	DRS	225S4	2560	224
							PHF	072RF147	DRS	225S4	2070	225
	1.8	188200	802	436700	209100	185660	P	062RF147	DRS	225S4	2080	222
	2.1	166100	708	452600	209100	185660	PF	062RF147	DRS	225S4	1720	223
	2.4	144000	614	466700	209100	185660	PH	062RF147	DRS	225S4	2070	222
	2.7	128100	546	473000	209100	185660	PHF	062RF147	DRS	225S4	1710	223

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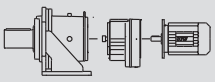
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
37	**1.7**	202600	863	425200	209100	185660	**P**	**062RF137**	**DRS**	**225S4**		1960	220
	2.0	175300	747	446200	209100	185660	**PF**	**062RF137**	**DRS**	**225S4**		1600	221
	2.2	154700	659	460100	209100	185660	**PH**	**062RF137**	**DRS**	**225S4**		1950	220
	2.6	133600	569	472700	209100	185660	**PHF**	**062RF137**	**DRS**	**225S4**		1590	221
	2.9	118200	503	473000	209100	185660							
	3.5	99300	423	473000	209100	185660							
	2.6	133600	569	348200	140600	124060	**P**	**052RF137**	**DRS**	**225S4**		1480	216
	2.9	118200	503	361000	140600	124060	**PF**	**052RF137**	**DRS**	**225S4**		1280	217
	3.5	99300	423	364000	140600	124060	**PH**	**052RF137**	**DRS**	**225S4**		1470	216
	4.3	80200	342	356100	140600	124060	**PHF**	**052RF137**	**DRS**	**225S4**		1270	217
	2.8	125800	536	354900	140600	124060	**P**	**052RF107**	**DRS**	**225S4**		1380	214
							PF	**052RF107**	**DRS**	**225S4**		1180	215
							PH	**052RF107**	**DRS**	**225S4**		1370	214
							PHF	**052RF107**	**DRS**	**225S4**		1170	215
	3.5	99300	423	296400	111000	100170	**P**	**042RF137**	**DRS**	**225S4**		1340	210
	4.3	80200	342	308800	111000	100170	**PF**	**042RF137**	**DRS**	**225S4**		1150	211
	5.0	69900	298	296400	111000	100170	**PH**	**042RF137**	**DRS**	**225S4**		1340	210
	5.9	58700	250	281400	111000	100170	**PHF**	**042RF137**	**DRS**	**225S4**		1150	211
	7.3	47400	202	263800	111000	100170							
	3.2	106700	455	288600	111000	100170	**P**	**042RF107**	**DRS**	**225S4**		1230	208
	3.7	93200	397	302400	111000	100170	**PF**	**042RF107**	**DRS**	**225S4**		1040	209
	4.4	78800	336	307300	111000	100170	**PH**	**042RF107**	**DRS**	**225S4**		1240	208
							PHF	**042RF107**	**DRS**	**225S4**		1050	209
	8.4	41100	175	204600	86800	69620	**P**	**032RF137**	**DRS**	**225S4**		1090	204
	9.7	35800	153	196400	86800	69620	**PF**	**032RF137**	**DRS**	**225S4**		970	205
							PH	**032RF137**	**DRS**	**225S4**		1110	204
							PHF	**032RF137**	**DRS**	**225S4**		990	205
	4.4	78800	336	210200	86800	69620	**P**	**032RF107**	**DRS**	**225S4**		990	202
	4.8	72300	308	219600	86800	69620	**PF**	**032RF107**	**DRS**	**225S4**		860	203
	5.6	61300	261	230700	86800	69620	**PH**	**032RF107**	**DRS**	**225S4**		1010	202
	6.4	53600	228	221600	86800	69620	**PHF**	**032RF107**	**DRS**	**225S4**		890	203
	7.6	45300	193	210800	86800	69620							
	11	31400	134	188800	-	58500							
	13	27400	117	181300	-	58500							
	15	23200	99	172400	-	57100							
	5.6	61300	261	173800	64200	51190	**P**	**022RF107**	**DRS**	**225S4**		910	196
	6.4	53600	228	187000	64200	51190	**PF**	**022RF107**	**DRS**	**225S4**		800	197
	7.6	45300	193	197000	64200	51190	**PH**	**022RF107**	**DRS**	**225S4**		920	196
	8.6	40400	172	197000	64200	51190	**PHF**	**022RF107**	**DRS**	**225S4**		820	197
	9.3	37000	158	197000	64200	51190							
	8.6	40400	172	137300	46200	36810	**P**	**012RF107**	**DRS**	**225S4**		760	190
	9.3	37000	158	133800	46200	36810	**PF**	**012RF107**	**DRS**	**225S4**		690	191
	11	31400	134	127300	46200	36810	**PH**	**012RF107**	**DRS**	**225S4**		770	190
	13	27400	117	122300	46200	36810	**PHF**	**012RF107**	**DRS**	**225S4**		700	191
	15	23200	99	116300	46200	36810							
	8.4	41400	177	138300	46200	36810	**P**	**012RF97**	**DRS**	**225S4**		710	188
							PF	**012RF97**	**DRS**	**225S4**		640	189
							PH	**012RF97**	**DRS**	**225S4**		730	188
							PHF	**012RF97**	**DRS**	**225S4**		660	189
	13	26700	114	98100	29200	24830	**P**	**002RF107**	**DRS**	**225S4**		680	182
							PF	**002RF107**	**DRS**	**225S4**		620	183
							PH	**002RF107**	**DRS**	**225S4**		680	182
							PHF	**002RF107**	**DRS**	**225S4**		620	183
	12	28400	121	100000	29200	24830	**P**	**002RF97**	**DRS**	**225S4**		630	180
							PF	**002RF97**	**DRS**	**225S4**		570	181
							PH	**002RF97**	**DRS**	**225S4**		640	180
							PHF	**002RF97**	**DRS**	**225S4**		580	181
45	**0.74**	570200	2004	835000	-	500000	**P**	**102RF167**	**DRS**	**225M4**		4810	234
	0.96	439800	1546	850000	-	500000	**PF**	**102RF167**	**DRS**	**225M4**		3850	235
	1.1	379100	1332	850000	-	500000	**PH**	**102RF167**	**DRS**	**225M4**		4870	234
							PHF	**102RF167**	**DRS**	**225M4**		3910	235

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
45	**1.2**	338300	1189	850000	631300	500000	**P**	**102RF167**	**DRS**	**225M4**	4800	234
	1.6	270600	951	850000	631300	500000	**PF**	**102RF167**	**DRS**	**225M4**	3840	235
	1.8	240700	846	850000	631300	500000	**PH**	**102RF167**	**DRS**	**225M4**	4860	234
	2.0	209700	737	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**225M4**	3900	235
	2.2	187100	657	850000	631300	500000						
	2.6	159500	561	850000	631300	500000						
	3.2	132100	464	850000	631300	500000						
	0.94	445700	1566	720000	-	423000	**P**	**092RF167**	**DRS**	**225M4**	3950	232
	1.1	384200	1350	720000	-	423000	**PF**	**092RF167**	**DRS**	**225M4**	3260	233
							PH	**092RF167**	**DRS**	**225M4**	3960	232
							PHF	**092RF167**	**DRS**	**225M4**	3270	233
	1.2	342800	1205	720000	513900	423000	**P**	**092RF167**	**DRS**	**225M4**	3950	232
	1.5	274300	964	720000	513900	423000	**PF**	**092RF167**	**DRS**	**225M4**	3250	233
	1.7	243900	857	720000	513900	423000	**PH**	**092RF167**	**DRS**	**225M4**	3960	232
	2.0	212500	747	720000	513900	423000	**PHF**	**092RF167**	**DRS**	**225M4**	3260	233
	2.2	189600	666	720000	513900	423000						
	2.6	161600	568	720000	513900	423000						
	3.1	133900	470	720000	513900	423000						
	3.7	114200	402	720000	513900	423000						
	1.2	367500	1291	647100	397100	359400	**P**	**082RF167**	**DRS**	**225M4**	3450	230
	1.4	298600	1049	683000	397100	359400	**PF**	**082RF167**	**DRS**	**225M4**	2800	231
	1.7	253200	890	683000	397100	359400	**PH**	**082RF167**	**DRS**	**225M4**	3450	230
							PHF	**082RF167**	**DRS**	**225M4**	2800	231
	1.8	233300	820	683000	397100	359400	**P**	**082RF167**	**DRS**	**225M4**	3450	230
	2.1	203200	714	683000	397100	359400	**PF**	**082RF167**	**DRS**	**225M4**	2800	231
	2.3	181300	637	683000	397100	359400	**PH**	**082RF167**	**DRS**	**225M4**	3440	230
							PHF	**082RF167**	**DRS**	**225M4**	2790	231
	1.6	262200	922	523000	-	245660	**P**	**072RF147**	**DRS**	**225M4**	2540	224
							PF	**072RF147**	**DRS**	**225M4**	2050	225
							PH	**072RF147**	**DRS**	**225M4**	2590	224
							PHF	**072RF147**	**DRS**	**225M4**	2100	225
	1.9	221500	779	523000	274600	245660	**P**	**072RF147**	**DRS**	**225M4**	2520	224
	2.2	195400	687	523000	274600	245660	**PF**	**072RF147**	**DRS**	**225M4**	2030	225
	2.8	150700	530	523000	274600	245660	**PH**	**072RF147**	**DRS**	**225M4**	2580	224
	3.2	129900	457	523000	274600	245660	**PHF**	**072RF147**	**DRS**	**225M4**	2090	225
	2.1	201300	708	426300	209100	185660	**P**	**062RF147**	**DRS**	**225M4**	2100	222
	2.4	174500	614	446800	209100	185660	**PF**	**062RF147**	**DRS**	**225M4**	1740	223
	2.7	155300	546	459700	209100	185660	**PH**	**062RF147**	**DRS**	**225M4**	2090	222
	3.9	108700	382	460100	209100	185660	**PHF**	**062RF147**	**DRS**	**225M4**	1730	223
	4.6	92200	324	438000	209100	185660						
	5.2	80900	284	421100	209100	185660						
	2.2	187500	659	437200	209100	185660	**P**	**062RF137**	**DRS**	**225M4**	1980	220
	2.6	162000	569	455400	209100	185660	**PF**	**062RF137**	**DRS**	**225M4**	1620	221
	2.9	143200	503	467100	209100	185660	**PH**	**062RF137**	**DRS**	**225M4**	1970	220
	3.5	120400	423	473000	209100	185660	**PHF**	**062RF137**	**DRS**	**225M4**	1610	221
	6.4	65700	231	316500	140600	124060	**P**	**052RF147**	**DRS**	**225M4**	1620	218
							PF	**052RF147**	**DRS**	**225M4**	1420	219
							PH	**052RF147**	**DRS**	**225M4**	1610	218
							PHF	**052RF147**	**DRS**	**225M4**	1410	219
	3.5	120400	423	359300	140600	124060	**P**	**052RF137**	**DRS**	**225M4**	1500	216
	4.3	97200	342	355900	140600	124060	**PF**	**052RF137**	**DRS**	**225M4**	1300	217
							PH	**052RF137**	**DRS**	**225M4**	1490	216
							PHF	**052RF137**	**DRS**	**225M4**	1290	217
	3.3	129300	455	351900	140600	124060	**P**	**052RF107**	**DRS**	**225M4**	1400	214
							PF	**052RF107**	**DRS**	**225M4**	1200	215
							PH	**052RF107**	**DRS**	**225M4**	1390	214
							PHF	**052RF107**	**DRS**	**225M4**	1190	215
	7.6	55700	196	261200	111000	100170	**P**	**042RF147**	**DRS**	**225M4**	1470	212
							PF	**042RF147**	**DRS**	**225M4**	1280	213
							PH	**042RF147**	**DRS**	**225M4**	1480	212
							PHF	**042RF147**	**DRS**	**225M4**	1290	213

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
45	**4.3**	97200	342	298500	111000	100170	**P**	**042RF137**	**DRS**	**225M4**		1360	210
	5.0	84700	298	296100	111000	100170	**PF**	**042RF137**	**DRS**	**225M4**		1170	211
	5.9	71200	250	281100	111000	100170	**PH**	**042RF137**	**DRS**	**225M4**		1360	210
	7.3	57500	202	263600	111000	100170	**PHF**	**042RF137**	**DRS**	**225M4**		1170	211
	5.9	71200	250	221100	86800	69620	**P**	**032RF137**	**DRS**	**225M4**		1110	204
	7.3	57500	202	213400	86800	69620	**PF**	**032RF137**	**DRS**	**225M4**		990	205
	8.4	49800	175	204400	86800	69620	**PH**	**032RF137**	**DRS**	**225M4**		1130	204
	9.7	43400	153	196200	86800	69620	**PHF**	**032RF137**	**DRS**	**225M4**		1010	205
	12	36500	128	186200	86800	69620							
	14	29400	104	174600	86800	69620							
	5.7	74400	261	216800	86800	69620	**P**	**032RF107**	**DRS**	**225M4**		1010	202
	6.5	65000	228	221300	86800	69620	**PF**	**032RF107**	**DRS**	**225M4**		890	203
	7.7	54900	193	210500	86800	69620	**PH**	**032RF107**	**DRS**	**225M4**		1030	202
							PHF	**032RF107**	**DRS**	**225M4**		910	203
	8.4	49800	175	192800	64200	51190	**P**	**022RF137**	**DRS**	**225M4**		1030	198
	9.7	43400	153	197000	64200	51190	**PF**	**022RF137**	**DRS**	**225M4**		930	199
	12	36500	128	197000	64200	51190	**PH**	**022RF137**	**DRS**	**225M4**		1040	198
							PHF	**022RF137**	**DRS**	**225M4**		940	199
	7.7	54900	193	184900	64200	51190	**P**	**022RF107**	**DRS**	**225M4**		930	196
	13	33300	117	191700	-	51190	**PF**	**022RF107**	**DRS**	**225M4**		820	197
	15	28100	99	182400	-	51190	**PH**	**022RF107**	**DRS**	**225M4**		940	196
							PHF	**022RF107**	**DRS**	**225M4**		840	197
	9.4	44900	158	133600	46200	36810	**P**	**012RF107**	**DRS**	**225M4**		780	190
	11	38100	134	127200	46200	36810	**PF**	**012RF107**	**DRS**	**225M4**		710	191
	13	33300	117	122100	46200	36810	**PH**	**012RF107**	**DRS**	**225M4**		790	190
	15	28100	99	116200	46200	36810	**PHF**	**012RF107**	**DRS**	**225M4**		720	191
	15	27300	96	93200	29200	24830	**P**	**002RF107**	**DRS**	**225M4**		700	182
							PF	**002RF107**	**DRS**	**225M4**		640	183
							PH	**002RF107**	**DRS**	**225M4**		700	182
							PHF	**002RF107**	**DRS**	**225M4**		640	183
	15	28800	102	94700	29200	24830	**P**	**002RF97**	**DRS**	**225M4**		650	180
	17	25000	88	90700	29200	24830	**PF**	**002RF97**	**DRS**	**225M4**		600	181
							PH	**002RF97**	**DRS**	**225M4**		660	180
							PHF	**002RF97**	**DRS**	**225M4**		600	181
55	**0.96**	537600	1546	850000	-	500000	**P**	**102RF167**	**DRS**	**225MC4**		4830	234
	1.1	463400	1332	850000	-	500000	**PF**	**102RF167**	**DRS**	**225MC4**		3870	235
							PH	**102RF167**	**DRS**	**225MC4**		4890	234
							PHF	**102RF167**	**DRS**	**225MC4**		3930	235
	1.6	330800	951	850000	631300	500000	**P**	**102RF167**	**DRS**	**225MC4**		4820	234
	1.8	294200	846	850000	631300	500000	**PF**	**102RF167**	**DRS**	**225MC4**		3860	235
	2.0	256300	737	850000	631300	500000	**PH**	**102RF167**	**DRS**	**225MC4**		4880	234
	2.2	228700	657	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**225MC4**		3920	235
	2.6	194900	561	850000	631300	500000							
	3.2	161500	464	850000	631300	500000							
	3.7	137800	396	850000	631300	500000							
	1.1	469600	1350	712800	-	423000	**P**	**092RF167**	**DRS**	**225MC4**		3970	232
							PF	**092RF167**	**DRS**	**225MC4**		3280	233
							PH	**092RF167**	**DRS**	**225MC4**		3990	232
							PHF	**092RF167**	**DRS**	**225MC4**		3290	233
	1.5	335200	964	720000	513900	423000	**P**	**092RF167**	**DRS**	**225MC4**		3970	232
	1.7	298100	857	720000	513900	423000	**PF**	**092RF167**	**DRS**	**225MC4**		3270	233
	2.0	259700	747	720000	513900	423000	**PH**	**092RF167**	**DRS**	**225MC4**		3980	232
	2.2	231700	666	720000	513900	423000	**PHF**	**092RF167**	**DRS**	**225MC4**		3280	233
	2.6	197500	568	720000	513900	423000							
	3.1	163600	470	720000	513900	423000							
	3.7	139600	402	720000	513900	423000							
	1.4	364900	1049	649500	397100	359400	**P**	**082RF167**	**DRS**	**225MC4**		3480	230
	1.7	309500	890	683000	397100	359400	**PF**	**082RF167**	**DRS**	**225MC4**		2820	231
							PH	**082RF167**	**DRS**	**225MC4**		3470	230
							PHF	**082RF167**	**DRS**	**225MC4**		2820	231
	1.4	366200	1049	648300	397100	359400	**P**	**082RF167**	**DRS**	**250M4**		3590	230
							PF	**082RF167**	**DRS**	**250M4**		2940	231
							PH	**082RF167**	**DRS**	**250M4**		3580	230
							PHF	**082RF167**	**DRS**	**250M4**		2930	231

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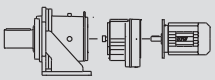
SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
55	1.8	285200	820	683000	397100	359400	P	082RF167	DRS	225MC4	3470	230
	2.1	248400	714	683000	397100	359400	PF	082RF167	DRS	225MC4	2820	231
	2.3	221600	637	683000	397100	359400	PH	082RF167	DRS	225MC4	3460	230
	2.7	188900	543	683000	397100	359400	PHF	082RF167	DRS	225MC4	2810	231
	2.5	204100	587	683000	397100	359400	P	082RF147	DRS	225MC4	3200	228
	2.8	181600	522	683000	397100	359400	PF	082RF147	DRS	225MC4	2550	229
							PH	082RF147	DRS	225MC4	3200	228
							PHF	082RF147	DRS	225MC4	2550	229
	1.9	270700	779	520300	274600	245660	P	072RF147	DRS	225MC4	2550	224
	2.2	238900	687	523000	274600	245660	PF	072RF147	DRS	225MC4	2060	225
	2.8	184300	530	523000	274600	245660	PH	072RF147	DRS	225MC4	2600	224
	3.2	158800	457	523000	274600	245660	PHF	072RF147	DRS	225MC4	2110	225
	4.0	129000	371	523000	274600	245660						
	1.9	271700	779	519200	274600	245660	P	072RF147	DRS	250M4	2660	224
							PF	072RF147	DRS	250M4	2170	225
							PH	072RF147	DRS	250M4	2710	224
							PHF	072RF147	DRS	250M4	2220	225
	2.4	213300	614	416100	209100	185660	P	062RF147	DRS	225MC4	2120	222
	2.7	189800	546	435500	209100	185660	PF	062RF147	DRS	225MC4	1760	223
	3.9	132900	382	460100	209100	185660	PH	062RF147	DRS	225MC4	2110	222
	4.6	112700	324	438000	209100	185660	PHF	062RF147	DRS	225MC4	1750	223
	5.2	98900	284	421100	209100	185660						
	6.4	80300	231	395700	209100	185660						
	2.7	190400	546	435000	209100	185660	P	062RF147	DRS	250M4	2240	222
							PF	062RF147	DRS	250M4	1870	223
							PH	062RF147	DRS	250M4	2230	222
							PHF	062RF147	DRS	250M4	1860	223
	2.6	198000	569	429000	209100	185660	P	062RF137	DRS	225MC4	2010	220
	2.9	175100	503	446400	209100	185660	PF	062RF137	DRS	225MC4	1640	221
	3.5	147100	423	464800	209100	185660	PH	062RF137	DRS	225MC4	2000	220
	4.3	118800	342	444900	209100	185660	PHF	062RF137	DRS	225MC4	1630	221
	5.0	103500	298	426900	-	185660						
	2.6	198600	569	428500	209100	185660	P	062RF137	DRS	250M4	2120	220
							PF	062RF137	DRS	250M4	1760	221
							PH	062RF137	DRS	250M4	2110	220
							PHF	062RF137	DRS	250M4	1740	221
	6.4	80300	231	316500	140600	124060	P	052RF147	DRS	225MC4	1640	218
	7.6	68100	196	301200	140600	124060	PF	052RF147	DRS	225MC4	1440	219
							PH	052RF147	DRS	225MC4	1630	218
							PHF	052RF147	DRS	225MC4	1430	219
	4.3	118800	342	355900	140600	124060	P	052RF137	DRS	225MC4	1520	216
	5.0	103500	298	341500	140600	124060	PF	052RF137	DRS	225MC4	1320	217
	5.9	87000	250	324200	140600	124060	PH	052RF137	DRS	225MC4	1510	216
	6.8	75400	217	310500	-	124060	PHF	052RF137	DRS	225MC4	1310	217
	7.3	70300	202	304000	140600	124060						
	7.6	68100	196	261200	111000	100170	P	042RF147	DRS	225MC4	1490	212
	8.9	57700	166	248500	111000	100170	PF	042RF147	DRS	225MC4	1300	213
	10	50700	146	239000	111000	100170	PH	042RF147	DRS	225MC4	1500	212
	12	41200	118	224600	111000	100170	PHF	042RF147	DRS	225MC4	1310	213
	15	34900	101	213700	111000	100170						
	5.0	103500	298	292000	111000	100170	P	042RF137	DRS	225MC4	1380	210
	5.9	87000	250	281100	111000	100170	PF	042RF137	DRS	225MC4	1190	211
	7.3	70300	202	263600	111000	100170	PH	042RF137	DRS	225MC4	1380	210
	8.4	60900	175	252500	111000	100170	PHF	042RF137	DRS	225MC4	1190	211
	9.7	53100	153	242300	-	100170						
	12	44600	128	230000	-	100170						
	14	36000	104	215700	-	90600						
	5.0	103900	298	291700	111000	100170	P	042RF137	DRS	250M4	1490	210
							PF	042RF137	DRS	250M4	1300	211
							PH	042RF137	DRS	250M4	1490	210
							PHF	042RF137	DRS	250M4	1300	211

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
55	**4.8**	107200	308	288100	111000	100170	**P**	**042RF107**	**DRS**	**225MC4**	1280	208
							PF	**042RF107**	**DRS**	**225MC4**	1090	209
							PH	**042RF107**	**DRS**	**225MC4**	1280	208
							PHF	**042RF107**	**DRS**	**225MC4**	1090	209
	7.3	70300	202	213400	86800	69620	**P**	**032RF137**	**DRS**	**225MC4**	1130	204
	8.4	60900	175	204400	86800	69620	**PF**	**032RF137**	**DRS**	**225MC4**	1010	205
	9.7	53100	153	196200	86800	69620	**PH**	**032RF137**	**DRS**	**225MC4**	1150	204
							PHF	**032RF137**	**DRS**	**225MC4**	1030	205
	7.3	70500	202	213600	86800	69620	**P**	**032RF137**	**DRS**	**250M4**	1240	204
							PF	**032RF137**	**DRS**	**250M4**	1120	205
							PH	**032RF137**	**DRS**	**250M4**	1260	204
							PHF	**032RF137**	**DRS**	**250M4**	1140	205
	6.5	79400	228	209300	86800	69620	**P**	**032RF107**	**DRS**	**225MC4**	1030	202
							PF	**032RF107**	**DRS**	**225MC4**	910	203
							PH	**032RF107**	**DRS**	**225MC4**	1050	202
							PHF	**032RF107**	**DRS**	**225MC4**	930	203
	8.4	60900	175	174600	64200	51190	**P**	**022RF137**	**DRS**	**225MC4**	1050	198
	9.7	53100	153	187900	64200	51190	**PF**	**022RF137**	**DRS**	**225MC4**	950	199
	12	44600	128	197000	64200	51190	**PH**	**022RF137**	**DRS**	**225MC4**	1070	198
	14	36000	104	184800	64200	51190	**PHF**	**022RF137**	**DRS**	**225MC4**	960	199
	8.4	61100	175	174200	64200	51190	**P**	**022RF137**	**DRS**	**250M4**	1160	198
	9.7	53200	153	187600	64200	51190	**PF**	**022RF137**	**DRS**	**250M4**	1060	199
							PH	**022RF137**	**DRS**	**250M4**	1180	198
							PHF	**022RF137**	**DRS**	**250M4**	1080	199
	8.6	59900	172	176500	64200	51190	**P**	**022RF107**	**DRS**	**225MC4**	950	196
	9.4	54900	158	185000	64200	51190	**PF**	**022RF107**	**DRS**	**225MC4**	850	197
							PH	**022RF107**	**DRS**	**225MC4**	960	196
							PHF	**022RF107**	**DRS**	**225MC4**	860	197
	13	40700	117	122100	46200	36810	**P**	**012RF107**	**DRS**	**225MC4**	800	190
							PF	**012RF107**	**DRS**	**225MC4**	730	191
							PH	**012RF107**	**DRS**	**225MC4**	810	190
							PHF	**012RF107**	**DRS**	**225MC4**	740	191
75	**1.6**	451100	951	850000	631300	500000	**P**	**102RF167**	**DRS**	**280S4**	5010	234
	1.8	401200	846	850000	631300	500000	**PF**	**102RF167**	**DRS**	**280S4**	4050	235
	2.0	349500	737	850000	631300	500000	**PH**	**102RF167**	**DRS**	**280S4**	5070	234
	2.2	311800	657	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**280S4**	4110	235
	2.6	265800	561	850000	631300	500000						
	3.2	220200	464	850000	631300	500000						
	3.7	187900	396	850000	631300	500000						
	1.5	457100	964	720000	513900	423000	**P**	**092RF167**	**DRS**	**280S4**	4160	232
	1.7	406500	857	720000	513900	423000	**PF**	**092RF167**	**DRS**	**280S4**	3460	233
	2.0	354100	747	720000	513900	423000	**PH**	**092RF167**	**DRS**	**280S4**	4170	232
	2.2	316000	666	720000	513900	423000	**PHF**	**092RF167**	**DRS**	**280S4**	3470	233
	2.6	269300	568	720000	513900	423000						
	3.2	223100	470	720000	513900	423000						
	3.7	190400	402	720000	513900	423000						
	1.8	388900	820	626800	397100	359400	**P**	**082RF167**	**DRS**	**280S4**	3660	230
	2.1	338800	714	672200	397100	359400	**PF**	**082RF167**	**DRS**	**280S4**	3010	231
	2.3	302300	637	683000	397100	359400	**PH**	**082RF167**	**DRS**	**280S4**	3650	230
	2.7	257600	543	683000	397100	359400	**PHF**	**082RF167**	**DRS**	**280S4**	3000	231
	2.8	251300	530	523000	274600	245660	**P**	**072RF147**	**DRS**	**280S4**	2730	224
	3.2	216600	457	523000	274600	245660	**PF**	**072RF147**	**DRS**	**280S4**	2240	225
	4.0	176000	371	523000	274600	245660	**PH**	**072RF147**	**DRS**	**280S4**	2790	224
							PHF	**072RF147**	**DRS**	**280S4**	2300	225
	3.9	181200	382	441900	209100	185660	**P**	**062RF147**	**DRS**	**280S4**	2310	222
	4.6	153700	324	437700	209100	185660	**PF**	**062RF147**	**DRS**	**280S4**	1950	223
	5.2	134900	284	421100	209100	185660	**PH**	**062RF147**	**DRS**	**280S4**	2300	222
	6.4	109600	231	395700	209100	185660	**PHF**	**062RF147**	**DRS**	**280S4**	1940	223
	3.5	200600	423	426900	209100	185660	**P**	**062RF137**	**DRS**	**280S4**	2190	220
							PF	**062RF137**	**DRS**	**280S4**	1830	221
							PH	**062RF137**	**DRS**	**280S4**	2180	220
							PHF	**062RF137**	**DRS**	**280S4**	1820	221

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
75	**6.4**	109600	231	316500	140600	124060	**P**	**052RF147**	**DRS**	**280S4**	1830	218
	7.6	92900	196	301200	140600	124060	**PF**	**052RF147**	**DRS**	**280S4**	1630	219
	8.9	78800	166	286600	140600	124060	**PH**	**052RF147**	**DRS**	**280S4**	1820	218
							PHF	**052RF147**	**DRS**	**280S4**	1620	219
	7.6	92900	196	261200	111000	100170	**P**	**042RF147**	**DRS**	**280S4**	1680	212
	8.9	78800	166	248500	111000	100170	**PF**	**042RF147**	**DRS**	**280S4**	1490	213
	10	69100	146	239000	111000	100170	**PH**	**042RF147**	**DRS**	**280S4**	1690	212
	12	56100	118	224600	111000	100170	**PHF**	**042RF147**	**DRS**	**280S4**	1500	213
	15	47600	101	213700	111000	100170						
	10	69100	146	193500	86800	69620	**P**	**032RF147**	**DRS**	**280S4**	1440	206
	12	56100	118	181800	86800	69620	**PF**	**032RF147**	**DRS**	**280S4**	1310	207
	15	47600	101	173000	86800	69620	**PH**	**032RF147**	**DRS**	**280S4**	1460	206
							PHF	**032RF147**	**DRS**	**280S4**	1340	207
	8.4	83000	175	203600	86800	69620	**P**	**032RF137**	**DRS**	**280S4**	1320	204
	9.7	72400	153	196200	86800	69620	**PF**	**032RF137**	**DRS**	**280S4**	1200	205
							PH	**032RF137**	**DRS**	**280S4**	1340	204
							PHF	**032RF137**	**DRS**	**280S4**	1220	205
	12	60800	128	174700	64200	51190	**P**	**022RF137**	**DRS**	**280S4**	1240	198
							PF	**022RF137**	**DRS**	**280S4**	1140	199
							PH	**022RF137**	**DRS**	**280S4**	1250	198
							PHF	**022RF137**	**DRS**	**280S4**	1150	199
90	**1.6**	541400	951	850000	631300	500000	**P**	**102RF167**	**DRS**	**280M4**	5010	234
	1.8	481500	846	850000	631300	500000	**PF**	**102RF167**	**DRS**	**280M4**	4050	235
	2.0	419400	737	850000	631300	500000	**PH**	**102RF167**	**DRS**	**280M4**	5070	234
	2.2	374200	657	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**280M4**	4110	235
	2.6	319000	561	850000	631300	500000						
	3.2	264300	464	850000	631300	500000						
	3.7	225500	396	850000	631300	500000						
	1.7	487800	857	693900	513900	423000	**P**	**092RF167**	**DRS**	**280M4**	4160	232
	2.0	425000	747	720000	513900	423000	**PF**	**092RF167**	**DRS**	**280M4**	3460	233
	2.2	379200	666	720000	513900	423000	**PH**	**092RF167**	**DRS**	**280M4**	4170	232
	2.6	323200	568	720000	513900	423000	**PHF**	**092RF167**	**DRS**	**280M4**	3470	233
	3.2	267800	470	720000	513900	423000						
	3.7	228500	402	720000	513900	423000						
	2.3	362700	637	651500	397100	359400	**P**	**082RF167**	**DRS**	**280M4**	3660	230
	2.7	309200	543	683000	397100	359400	**PF**	**082RF167**	**DRS**	**280M4**	3010	231
							PH	**082RF167**	**DRS**	**280M4**	3650	230
							PHF	**082RF167**	**DRS**	**280M4**	3000	231
	3.2	259900	457	523000	274600	245660	**P**	**072RF147**	**DRS**	**280M4**	2730	224
	4.0	211200	371	523000	274600	245660	**PF**	**072RF147**	**DRS**	**280M4**	2240	225
							PH	**072RF147**	**DRS**	**280M4**	2790	224
							PHF	**072RF147**	**DRS**	**280M4**	2300	225
	4.6	184400	324	437700	209100	185660	**P**	**062RF147**	**DRS**	**280M4**	2310	222
	5.2	161800	284	421100	209100	185660	**PF**	**062RF147**	**DRS**	**280M4**	1950	223
	6.4	131500	231	395700	209100	185660	**PH**	**062RF147**	**DRS**	**280M4**	2300	222
							PHF	**062RF147**	**DRS**	**280M4**	1940	223
	4.3	194500	342	431800	209100	185660	**P**	**062RF137**	**DRS**	**280M4**	2190	220
							PF	**062RF137**	**DRS**	**280M4**	1830	221
							PH	**062RF137**	**DRS**	**280M4**	2180	220
							PHF	**062RF137**	**DRS**	**280M4**	1820	221
	6.4	131500	231	316500	140600	124060	**P**	**052RF147**	**DRS**	**280M4**	1830	218
	7.6	111500	196	301200	140600	124060	**PF**	**052RF147**	**DRS**	**280M4**	1630	219
							PH	**052RF147**	**DRS**	**280M4**	1820	218
							PHF	**052RF147**	**DRS**	**280M4**	1620	219
	8.9	94500	166	248500	111000	100170	**P**	**042RF147**	**DRS**	**280M4**	1680	212
	10	82900	146	239000	111000	100170	**PF**	**042RF147**	**DRS**	**280M4**	1490	213
	12	67400	118	224600	111000	100170	**PH**	**042RF147**	**DRS**	**280M4**	1690	212
	15	57100	101	213700	111000	100170	**PHF**	**042RF147**	**DRS**	**280M4**	1500	213
	10	82900	146	193500	86800	69620	**P**	**032RF147**	**DRS**	**280M4**	1440	206
	15	57100	101	173000	86800	69620	**PF**	**032RF147**	**DRS**	**280M4**	1310	207
							PH	**032RF147**	**DRS**	**280M4**	1460	206
							PHF	**032RF147**	**DRS**	**280M4**	1340	207

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
90	**12**	73000	128	186200	86800	69620	**P**	**032RF137**	**DRS**	**280M4**	1320	204
							PF	**032RF137**	**DRS**	**280M4**	1200	205
							PH	**032RF137**	**DRS**	**280M4**	1340	204
							PHF	**032RF137**	**DRS**	**280M4**	1220	205
	14	58900	104	178100	64200	51190	**P**	**022RF137**	**DRS**	**280M4**	1240	198
							PF	**022RF137**	**DRS**	**280M4**	1140	199
							PH	**022RF137**	**DRS**	**280M4**	1250	198
							PHF	**022RF137**	**DRS**	**280M4**	1150	199
110	**2.0**	511900	737	850000	631300	500000	**P**	**102RF167**	**DRS**	**315K4**	5310	234
	2.2	456800	657	850000	631300	500000	**PF**	**102RF167**	**DRS**	**315K4**	4350	235
	2.6	389300	561	850000	631300	500000	**PH**	**102RF167**	**DRS**	**315K4**	5370	234
	3.2	322600	464	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**315K4**	4410	235
	3.7	275300	396	850000	631300	500000						
	2.0	518800	747	659400	513900	423000	**P**	**092RF167**	**DRS**	**315K4**	4450	232
	2.2	462900	666	719400	513900	423000	**PF**	**092RF167**	**DRS**	**315K4**	3760	233
	2.6	394500	568	720000	513900	423000	**PH**	**092RF167**	**DRS**	**315K4**	4470	232
	3.2	326900	470	720000	513900	423000	**PHF**	**092RF167**	**DRS**	**315K4**	3770	233
	3.7	279000	402	720000	513900	423000						
	2.7	377400	543	637900	397100	359400	**P**	**082RF167**	**DRS**	**315K4**	3960	230
							PF	**082RF167**	**DRS**	**315K4**	3300	231
							PH	**082RF167**	**DRS**	**315K4**	3950	230
							PHF	**082RF167**	**DRS**	**315K4**	3300	231
132	**2.0**	613500	737	802100	631300	500000	**P**	**102RF167**	**DRS**	**315S4**	5390	234
	2.3	547400	657	850000	631300	500000	**PF**	**102RF167**	**DRS**	**315S4**	4430	235
	2.6	466600	561	850000	631300	500000	**PH**	**102RF167**	**DRS**	**315S4**	5450	234
	3.2	386600	464	850000	631300	500000	**PHF**	**102RF167**	**DRS**	**315S4**	4490	235
	3.7	329900	396	850000	631300	500000						
132	**2.6**	472800	568	709500	513900	423000	**P**	**092RF167**	**DRS**	**315S4**	4530	232
	3.2	391700	470	720000	513900	423000	**PF**	**092RF167**	**DRS**	**315S4**	3840	233
	3.7	334300	402	720000	513900	423000	**PH**	**092RF167**	**DRS**	**315S4**	4550	232
							PHF	**092RF167**	**DRS**	**315S4**	3850	233
160	**2.6**	565900	561	838100	631300	500000	**P**	**102RF167**	**DRS**	**315M4**	5550	234
	3.2	468900	464	850000	631300	500000	**PF**	**102RF167**	**DRS**	**315M4**	4590	235
	3.7	400200	396	850000	631300	500000	**PH**	**102RF167**	**DRS**	**315M4**	5610	234
							PHF	**102RF167**	**DRS**	**315M4**	4650	235
160	**3.2**	475200	470	707100	513900	423000	**P**	**092RF167**	**DRS**	**315M4**	4690	232
	3.7	405500	402	720000	513900	423000	**PF**	**092RF167**	**DRS**	**315M4**	4000	233
							PH	**092RF167**	**DRS**	**315M4**	4700	232
							PHF	**092RF167**	**DRS**	**315M4**	4010	233
200	**3.2**	586900	464	822700	631300	500000	**P**	**102RF167**	**DRS**	**315L4**	5630	234
	3.7	500900	396	850000	631300	500000	**PF**	**102RF167**	**DRS**	**315L4**	4670	235
							PH	**102RF167**	**DRS**	**315L4**	5690	234
							PHF	**102RF167**	**DRS**	**315L4**	4730	235
200	**3.7**	507600	402	672300	513900	423000	**P**	**092RF167**	**DRS**	**315L4**	4770	232
							PF	**092RF167**	**DRS**	**315L4**	4080	233
							PH	**092RF167**	**DRS**	**315L4**	4780	232
							PHF	**092RF167**	**DRS**	**315L4**	4090	233

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10.3 IE2 motor standard – selection tables

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
0.75	**0.35**	19800	4066	156000	46200	36810	**P**	**012RF87**	**DRE**	**80M4**	400	186
	0.39	17900	3663	156000	46200	36810	**PF**	**012RF87**	**DRE**	**80M4**	330	187
	0.45	15700	3214	156000	46200	36810	**PH**	**012RF87**	**DRE**	**80M4**	410	186
	0.50	13900	2847	156000	46200	36810	**PHF**	**012RF87**	**DRE**	**80M4**	340	187
	0.45	15700	3209	156000	-	31500	**P**	**012RF77**	**DRE**	**80M4**	370	184
	0.47	14800	3030	156000	-	31500	**PF**	**012RF77**	**DRE**	**80M4**	300	185
							PH	**012RF77**	**DRE**	**80M4**	385	184
							PHF	**012RF77**	**DRE**	**80M4**	315	185
	0.35	19800	4051	124000	29200	24830	**P**	**002RF87**	**DRE**	**80M4**	320	178
	0.39	17800	3649	124000	29200	24830	**PF**	**002RF87**	**DRE**	**80M4**	260	179
							PH	**002RF87**	**DRE**	**80M4**	320	178
							PHF	**002RF87**	**DRE**	**80M4**	265	179
	0.45	15600	3197	124000	-	24830	**P**	**002RF77**	**DRE**	**80M4**	290	176
	0.48	14700	3018	124000	-	24830	**PF**	**002RF77**	**DRE**	**80M4**	230	177
	0.56	12500	2570	124000	29200	24830	**PH**	**002RF77**	**DRE**	**80M4**	295	176
	0.64	11000	2254	124000	29200	24830	**PHF**	**002RF77**	**DRE**	**80M4**	235	177
	0.71	9950	2035	124000	29200	24830						
	0.80	8750	1790	124000	29200	24830						
	0.85	8270	1691	124000	29200	24830						
	1.0	7040	1439	124000	29200	24830						
1.1	**0.35**	29400	4066	197000	-	51190	**P**	**022RF87**	**DRE**	**90M4**	550	192
	0.39	26500	3663	197000	-	51190	**PF**	**022RF87**	**DRE**	**90M4**	450	193
							PH	**022RF87**	**DRE**	**90M4**	570	192
							PHF	**022RF87**	**DRE**	**90M4**	465	193
	0.35	29400	4066	156000	46200	36810	**P**	**012RF87**	**DRE**	**90M4**	400	186
	0.39	26500	3663	156000	46200	36810	**PF**	**012RF87**	**DRE**	**90M4**	330	187
	0.44	23300	3214	156000	46200	36810	**PH**	**012RF87**	**DRE**	**90M4**	415	186
	0.50	20600	2847	156000	46200	36810	**PHF**	**012RF87**	**DRE**	**90M4**	345	187
	0.57	18100	2498	156000	46200	36810						
	0.60	17100	2368	156000	46200	36810						
	0.69	15000	2072	156000	46200	36810						
	0.63	16400	2263	156000	-	31500	**P**	**012RF77**	**DRE**	**90M4**	375	184
	0.70	14800	2043	156000	-	31500	**PF**	**012RF77**	**DRE**	**90M4**	305	185
							PH	**012RF77**	**DRE**	**90M4**	385	184
							PHF	**012RF77**	**DRE**	**90M4**	315	185
	0.39	26400	3649	115200	29200	24830	**P**	**002RF87**	**DRE**	**90M4**	320	178
	0.44	23200	3201	120000	29200	24830	**PF**	**002RF87**	**DRE**	**90M4**	265	179
	0.50	20500	2836	123500	29200	24830	**PH**	**002RF87**	**DRE**	**90M4**	325	178
	0.57	18000	2489	124000	29200	24830	**PHF**	**002RF87**	**DRE**	**90M4**	270	179
	0.63	16300	2254	124000	29200	24830	**P**	**002RF77**	**DRE**	**90M4**	295	176
	0.70	14700	2035	124000	29200	24830	**PF**	**002RF77**	**DRE**	**90M4**	235	177
	0.79	12900	1790	124000	29200	24830	**PH**	**002RF77**	**DRE**	**90M4**	295	176
	0.84	12200	1691	124000	29200	24830	**PHF**	**002RF77**	**DRE**	**90M4**	240	177
	0.99	10400	1439	124000	29200	24830						
	1.1	9480	1308	124000	29200	24830						
	1.2	8210	1133	124000	29200	24830						
	1.4	7150	986	124000	29200	24830						
1.5	**0.35**	39800	4058	197000	-	51190	**P**	**022RF97**	**DRE**	**90L4**	610	194
	0.39	35600	3628	197000	-	51190	**PF**	**022RF97**	**DRE**	**90L4**	500	195
							PH	**022RF97**	**DRE**	**90L4**	620	194
							PHF	**022RF97**	**DRE**	**90L4**	520	195
	0.44	31500	3214	197000	-	51190	**P**	**022RF87**	**DRE**	**90L4**	550	192
	0.50	27900	2847	197000	-	51190	**PF**	**022RF87**	**DRE**	**90L4**	450	193
	0.57	24500	2498	197000	-	51190	**PH**	**022RF87**	**DRE**	**90L4**	570	192
							PHF	**022RF87**	**DRE**	**90L4**	465	193
	0.35	39800	4058	156000	46200	36810	**P**	**012RF97**	**DRE**	**90L4**	455	188
							PF	**012RF97**	**DRE**	**90L4**	385	189
							PH	**012RF97**	**DRE**	**90L4**	470	188
							PHF	**012RF97**	**DRE**	**90L4**	400	189

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
1.5	**0.35**	39900	4066	156000	46200	36810	**P**	**012RF87**	**DRE**	**90L4**		405	186
	0.39	35900	3663	156000	46200	36810	**PF**	**012RF87**	**DRE**	**90L4**		335	187
	0.44	31500	3214	156000	46200	36810	**PH**	**012RF87**	**DRE**	**90L4**		420	186
	0.50	27900	2847	156000	46200	36810	**PHF**	**012RF87**	**DRE**	**90L4**		350	187
	0.57	24500	2498	156000	46200	36810							
	0.60	23200	2368	156000	46200	36810							
	0.69	20300	2072	156000	46200	36810							
	0.77	18300	1867	156000	46200	36810							
	0.87	16000	1637	156000	46200	36810							
	0.84	16600	1697	156000	-	31500	**P**	**012RF77**	**DRE**	**90L4**		375	184
	0.99	14100	1445	156000	-	31500	**PF**	**012RF77**	**DRE**	**90L4**		305	185
							PH	**012RF77**	**DRE**	**90L4**		390	184
							PHF	**012RF77**	**DRE**	**90L4**		320	185
	0.50	27800	2836	113000	29200	24830	**P**	**002RF87**	**DRE**	**90L4**		325	178
	0.61	23100	2358	120100	29200	24830	**PF**	**002RF87**	**DRE**	**90L4**		265	179
	0.69	20200	2064	123800	29200	24830	**PH**	**002RF87**	**DRE**	**90L4**		330	178
							PHF	**002RF87**	**DRE**	**90L4**		270	179
	0.56	25200	2570	117100	29200	24830	**P**	**002RF77**	**DRE**	**90L4**		295	176
	0.80	17500	1790	124000	29200	24830	**PF**	**002RF77**	**DRE**	**90L4**		235	177
	0.85	16500	1691	124000	29200	24830	**PH**	**002RF77**	**DRE**	**90L4**		300	176
	0.99	14100	1439	124000	29200	24830	**PHF**	**002RF77**	**DRE**	**90L4**		240	177
	1.1	12800	1308	124000	29200	24830							
	1.3	11100	1133	124000	29200	24830							
	1.4	9680	986	124000	29200	24830							
	1.6	8960	913	124000	-	24830	**P**	**002RF77**	**DRE**	**90L4**		295	176
	1.7	8220	837	124000	-	24830	**PF**	**002RF77**	**DRE**	**90L4**		235	177
	2.0	7210	735	124000	-	24830	**PH**	**002RF77**	**DRE**	**90L4**		300	176
							PHF	**002RF77**	**DRE**	**90L4**		240	177
2.2	**0.35**	58100	4022	323000	111000	100170	**P**	**042RF107**	**DRE**	**100M4**		990	208
	0.39	52500	3637	323000	111000	100170	**PF**	**042RF107**	**DRE**	**100M4**		800	209
							PH	**042RF107**	**DRE**	**100M4**		990	208
							PHF	**042RF107**	**DRE**	**100M4**		800	209
	0.35	58100	4022	237000	86800	69620	**P**	**032RF107**	**DRE**	**100M4**		740	202
	0.39	52500	3637	242700	86800	69620	**PF**	**032RF107**	**DRE**	**100M4**		620	203
	0.46	44500	3082	250100	86800	69620	**PH**	**032RF107**	**DRE**	**100M4**		760	202
	0.50	41300	2859	252000	86800	69620	**PHF**	**032RF107**	**DRE**	**100M4**		640	203
	0.44	47100	3262	247800	-	69620	**P**	**032RF97**	**DRE**	**100M4**		690	200
	0.56	36900	2558	252000	-	69620	**PF**	**032RF97**	**DRE**	**100M4**		570	201
							PH	**032RF97**	**DRE**	**100M4**		710	200
							PHF	**032RF97**	**DRE**	**100M4**		590	201
	0.35	58600	4058	178700	-	51190	**P**	**022RF97**	**DRE**	**100M4**		610	194
	0.39	52400	3628	188900	-	51190	**PF**	**022RF97**	**DRE**	**100M4**		510	195
	0.44	47100	3262	196600	-	51190	**PH**	**022RF97**	**DRE**	**100M4**		620	194
	0.50	40900	2831	197000	-	51190	**PHF**	**022RF97**	**DRE**	**100M4**		520	195
	0.56	36900	2558	197000	-	51190							
	0.61	33900	2351	197000	-	51190							
	0.68	30100	2087	197000	-	51190							
	0.69	29900	2072	197000	-	51190	**P**	**022RF87**	**DRE**	**100M4**		560	192
							PF	**022RF87**	**DRE**	**100M4**		455	193
							PH	**022RF87**	**DRE**	**100M4**		570	192
							PHF	**022RF87**	**DRE**	**100M4**		470	193
	0.50	40900	2831	156000	46200	36810	**P**	**012RF97**	**DRE**	**100M4**		460	188
	0.68	30100	2087	156000	46200	36810	**PF**	**012RF97**	**DRE**	**100M4**		390	189
							PH	**012RF97**	**DRE**	**100M4**		475	188
							PHF	**012RF97**	**DRE**	**100M4**		405	189
	0.50	41100	2847	156000	46200	36810	**P**	**012RF87**	**DRE**	**100M4**		410	186
	0.57	36100	2498	156000	46200	36810	**PF**	**012RF87**	**DRE**	**100M4**		340	187
	0.60	34200	2368	156000	46200	36810	**PH**	**012RF87**	**DRE**	**100M4**		425	186
	0.69	29900	2072	156000	46200	36810	**PHF**	**012RF87**	**DRE**	**100M4**		355	187
	0.76	26900	1867	156000	46200	36810							
	0.87	23600	1637	156000	46200	36810							
	0.99	20800	1445	156000	-	36810							
	1.1	18500	1281	156000	46200	36810							
	1.3	15800	1094	156000	46200	36810							

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
2.2	1.2	16400	1138	156000	-	31500	P	012RF77	DRE	100M4		380	184
	1.4	14300	990	156000	-	29900	PF	012RF77	DRE	100M4		310	185
							PH	012RF77	DRE	100M4		395	184
							PHF	012RF77	DRE	100M4		325	185
	0.87	23500	1631	119500	29200	24830	P	002RF87	DRE	100M4		330	178
	0.99	20800	1440	123200	29200	24830	PF	002RF87	DRE	100M4		270	179
	1.1	18400	1276	124000	29200	24830	PH	002RF87	DRE	100M4		335	178
							PHF	002RF87	DRE	100M4		275	179
	0.80	25800	1790	116100	29200	24830	P	002RF77	DRE	100M4		300	176
	1.3	16300	1133	124000	29200	24830	PF	002RF77	DRE	100M4		240	177
	1.4	14200	986	124000	29200	24830	PH	002RF77	DRE	100M4		305	176
							PHF	002RF77	DRE	100M4		245	177
	1.6	13200	913	124000	-	24830	P	002RF77	DRE	100M4		300	176
	1.7	12100	837	124000	-	24830	PF	002RF77	DRE	100M4		240	177
	1.9	10600	735	124000	-	24830	PH	002RF77	DRE	100M4		305	176
	2.3	8800	610	124000	-	24830	PHF	002RF77	DRE	100M4		245	177
	2.6	7930	549	124000	-	24830							
	3.0	6960	482	124000	-	24830							
3.0	0.36	77600	4022	364000	140600	124060	P	052RF107	DRE	100LC4		1140	214
	0.40	70100	3637	364000	140600	124060	PF	052RF107	DRE	100LC4		940	215
							PH	052RF107	DRE	100LC4		1130	214
							PHF	052RF107	DRE	100LC4		930	215
	0.36	77600	4022	316000	111000	100170	P	042RF107	DRE	100LC4		990	208
	0.40	70100	3637	321700	111000	100170	PF	042RF107	DRE	100LC4		800	209
	0.47	59400	3082	323000	111000	100170	PH	042RF107	DRE	100LC4		1000	208
	0.51	55100	2859	323000	111000	100170	PHF	042RF107	DRE	100LC4		810	209
	0.57	49600	2573	323000	111000	100170							
	0.36	77600	4022	212100	86800	69620	P	032RF107	DRE	112M4		750	202
	0.40	70100	3637	222500	86800	69620	PF	032RF107	DRE	112M4		630	203
							PH	032RF107	DRE	112M4		770	202
							PHF	032RF107	DRE	112M4		650	203
	0.36	77600	4022	212100	86800	69620	P	032RF107	DRE	100LC4		750	202
	0.40	70100	3637	222500	86800	69620	PF	032RF107	DRE	100LC4		620	203
	0.47	59400	3082	235500	86800	69620	PH	032RF107	DRE	100LC4		770	202
	0.51	55100	2859	240100	86800	69620	PHF	032RF107	DRE	100LC4		650	203
	0.62	44900	2331	249700	86800	69620							
	0.70	39800	2067	252000	86800	69620							
	0.45	62900	3262	231500	-	69620	P	032RF97	DRE	100LC4		690	200
	0.51	54600	2831	240600	-	69620	PF	032RF97	DRE	100LC4		570	201
	0.57	49300	2558	245800	-	69620	PH	032RF97	DRE	100LC4		720	200
	0.62	45300	2351	249400	-	69620	PHF	032RF97	DRE	100LC4		590	201
	0.70	40200	2087	252000	-	69620							
	0.78	36000	1867	252000	-	69620							
	0.51	54600	2831	185500	-	51190	P	022RF97	DRE	100LC4		610	194
	0.57	49300	2558	193500	-	51190	PF	022RF97	DRE	100LC4		510	195
	0.62	45300	2351	197000	-	51190	PH	022RF97	DRE	100LC4		630	194
	0.70	40200	2087	197000	-	51190	PHF	022RF97	DRE	100LC4		530	195
	0.78	36000	1867	197000	-	51190							
	0.87	32300	1678	197000	-	51190							
	1.0	28100	1457	197000	-	51190							
	1.1	25100	1304	197000	-	51190							
	0.89	31600	1637	197000	-	51190	P	022RF87	DRE	100LC4		560	192
	1.0	27800	1445	197000	-	51190	PF	022RF87	DRE	100LC4		460	193
							PH	022RF87	DRE	100LC4		580	192
							PHF	022RF87	DRE	100LC4		475	193
	1.1	26000	1350	197000	-	51190	P	022RF87	DRE	100LC4		560	192
							PF	022RF87	DRE	100LC4		460	193
							PH	022RF87	DRE	100LC4		580	192
							PHF	022RF87	DRE	100LC4		475	193
	0.70	40200	2087	156000	46200	36810	P	012RF97	DRE	112M4		475	188
							PF	012RF97	DRE	112M4		405	189
							PH	012RF97	DRE	112M4		490	188
							PHF	012RF97	DRE	112M4		420	189

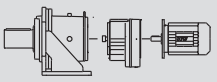
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
3.0	0.70	40200	2087	156000	46200	36810	P	012RF97	DRE	100LC4		465	188
	1.3	20800	1082	156000	46200	36810	PF	012RF97	DRE	100LC4		395	189
							PH	012RF97	DRE	100LC4		480	188
							PHF	012RF97	DRE	100LC4		410	189
	1.5	18900	982	156000	46200	36810	P	012RF97	DRE	100LC4		465	188
							PF	012RF97	DRE	100LC4		395	189
							PH	012RF97	DRE	100LC4		480	188
							PHF	012RF97	DRE	100LC4		410	189
	0.61	45600	2368	156000	46200	36810	P	012RF87	DRE	112M4		425	186
	0.70	39900	2072	156000	46200	36810	PF	012RF87	DRE	112M4		355	187
							PH	012RF87	DRE	112M4		440	186
							PHF	012RF87	DRE	112M4		370	187
	0.61	45600	2368	156000	46200	36810	P	012RF87	DRE	100LC4		415	186
	0.70	39900	2072	156000	46200	36810	PF	012RF87	DRE	100LC4		345	187
	0.78	36000	1867	156000	46200	36810	PH	012RF87	DRE	100LC4		430	186
	0.89	31600	1637	156000	46200	36810	PHF	012RF87	DRE	100LC4		360	187
	1.0	27800	1445	156000	-	36810							
	1.1	24700	1281	156000	46200	36810							
	1.2	23700	1232	156000	46200	36810	P	012RF87	DRE	100LC4		415	186
	1.3	21000	1092	156000	46200	36810	PF	012RF87	DRE	100LC4		345	187
	1.6	17700	918	156000	46200	36810	PH	012RF87	DRE	100LC4		425	186
	1.7	16200	844	156000	46200	36810	PHF	012RF87	DRE	100LC4		355	187
	1.9	14400	749	156000	46200	36810							
	1.0	27700	1440	113100	29200	24830	P	002RF87	DRE	112M4		345	178
							PF	002RF87	DRE	112M4		285	179
							PH	002RF87	DRE	112M4		350	178
							PHF	002RF87	DRE	112M4		290	179
	1.0	27700	1440	113100	29200	24830	P	002RF87	DRE	100LC4		335	178
	1.3	21000	1090	122900	29200	24830	PF	002RF87	DRE	100LC4		275	179
							PH	002RF87	DRE	100LC4		340	178
							PHF	002RF87	DRE	100LC4		280	179
	1.6	17600	914	124000	29200	24830	P	002RF87	DRE	100LC4		335	178
	2.2	12800	667	124000	29200	24830	PF	002RF87	DRE	100LC4		275	179
							PH	002RF87	DRE	100LC4		335	178
							PHF	002RF87	DRE	100LC4		280	179
	1.0	27700	1439	113100	29200	24830	P	002RF77	DRE	112M4		315	176
	1.1	25200	1308	117100	29200	24830	PF	002RF77	DRE	112M4		255	177
							PH	002RF77	DRE	112M4		320	176
							PHF	002RF77	DRE	112M4		260	177
	1.0	27700	1439	113100	29200	24830	P	002RF77	DRE	100LC4		305	176
	1.1	25200	1308	117100	29200	24830	PF	002RF77	DRE	100LC4		245	177
							PH	002RF77	DRE	100LC4		310	176
							PHF	002RF77	DRE	100LC4		250	177
	1.7	16100	837	124000	-	24830	P	002RF77	DRE	100LC4		305	176
	2.0	14100	735	124000	-	24830	PF	002RF77	DRE	100LC4		245	177
	2.4	11700	610	124000	-	24830	PH	002RF77	DRE	100LC4		310	176
	2.6	10500	549	124000	-	24830	PHF	002RF77	DRE	100LC4		250	177
	3.0	9290	482	124000	-	24830							
	3.4	8200	425	124000	-	24830							
	3.9	7270	377	124000	-	24100							
	4.3	6480	336	124000	-	24100							
4.0	0.51	73300	2859	364000	140600	124060	P	052RF107	DRE	132S4		1150	214
	0.57	66000	2573	364000	140600	124060	PF	052RF107	DRE	132S4		950	215
							PH	052RF107	DRE	132S4		1140	214
							PHF	052RF107	DRE	132S4		940	215
	0.36	103100	4022	292500	111000	100170	P	042RF107	DRE	132S4		1000	208
	0.40	93200	3637	302400	111000	100170	PF	042RF107	DRE	132S4		810	209
	0.71	53000	2067	323000	111000	100170	PH	042RF107	DRE	132S4		1010	208
	0.78	47900	1869	323000	111000	100170	PHF	042RF107	DRE	132S4		820	209
	0.47	79000	3082	209900	86800	69620	P	032RF107	DRE	132S4		760	202
	0.51	73300	2859	218300	86800	69620	PF	032RF107	DRE	132S4		640	203
	0.92	40600	1584	252000	86800	69620	PH	032RF107	DRE	132S4		780	202
							PHF	032RF107	DRE	132S4		660	203

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
4.0	0.57	65600	2558	228400	-	69620	P	032RF97	DRE	132S4		710	200
	0.87	43000	1678	251400	-	69620	PF	032RF97	DRE	132S4		590	201
	1.0	37300	1457	252000	-	69620	PH	032RF97	DRE	132S4		730	200
							PHF	032RF97	DRE	132S4		610	201
	1.2	30900	1207	197000	64200	51190	P	022RF107	DRE	132S4		670	196
							PF	022RF107	DRE	132S4		570	197
							PH	022RF107	DRE	132S4		690	196
							PHF	022RF107	DRE	132S4		580	197
	0.62	60200	2351	175800	-	51190	P	022RF97	DRE	132S4		630	194
	0.70	53500	2087	187200	-	51190	PF	022RF97	DRE	132S4		530	195
	0.78	47800	1867	195600	-	51190	PH	022RF97	DRE	132S4		640	194
	0.87	43000	1678	197000	-	51190	PHF	022RF97	DRE	132S4		540	195
	1.1	33400	1304	197000	-	51190							
	1.4	27700	1082	197000	-	51190							
	1.5	25100	982	197000	64200	51190	P	022RF97	DRE	132S4		630	194
	1.7	22500	878	197000	64200	51190	PF	022RF97	DRE	132S4		520	195
							PH	022RF97	DRE	132S4		640	194
							PHF	022RF97	DRE	132S4		540	195
	1.2	31500	1232	197000	-	51190	P	022RF87	DRE	132S4		580	192
	1.3	28000	1092	197000	-	51190	PF	022RF87	DRE	132S4		475	193
	1.6	23500	918	197000	-	51190	PH	022RF87	DRE	132S4		590	192
							PHF	022RF87	DRE	132S4		490	193
	1.0	37300	1457	156000	46200	36810	P	012RF97	DRE	132S4		480	188
							PF	012RF97	DRE	132S4		410	189
							PH	012RF97	DRE	132S4		495	188
							PHF	012RF97	DRE	132S4		425	189
	1.8	20200	790	156000	46200	36810	P	012RF97	DRE	132S4		480	188
	2.0	18300	716	156000	46200	36810	PF	012RF97	DRE	132S4		410	189
	2.3	16200	634	156000	46200	36810	PH	012RF97	DRE	132S4		490	188
							PHF	012RF97	DRE	132S4		420	189
	0.89	41900	1637	156000	46200	36810	P	012RF87	DRE	132S4		430	186
	1.1	32800	1281	156000	46200	36810	PF	012RF87	DRE	132S4		360	187
	1.3	28000	1094	156000	46200	36810	PH	012RF87	DRE	132S4		445	186
							PHF	012RF87	DRE	132S4		375	187
	1.7	21600	844	156000	46200	36810	P	012RF87	DRE	132S4		430	186
	2.0	19200	749	156000	46200	36810	PF	012RF87	DRE	132S4		360	187
	2.2	17100	670	156000	46200	36810	PH	012RF87	DRE	132S4		440	186
	2.4	15400	602	156000	46200	36810	PHF	012RF87	DRE	132S4		370	187
	2.8	13400	523	156000	46200	36810							
	2.6	14100	551	156000	-	27600	P	012RF77	DRE	132S4		400	184
							PF	012RF77	DRE	132S4		330	185
							PH	012RF77	DRE	132S4		410	184
							PHF	012RF77	DRE	132S4		340	185
	1.3	27900	1090	112800	29200	24830	P	002RF87	DRE	132S4		350	178
							PF	002RF87	DRE	132S4		290	179
							PH	002RF87	DRE	132S4		355	178
							PHF	002RF87	DRE	132S4		295	179
	1.6	23400	914	119700	29200	24830	P	002RF87	DRE	132S4		350	178
	1.7	21500	841	122200	29200	24830	PF	002RF87	DRE	132S4		290	179
	2.0	19100	746	124000	29200	24830	PH	002RF87	DRE	132S4		350	178
	2.2	17100	667	124000	29200	24830	PHF	002RF87	DRE	132S4		295	179
	1.3	29000	1133	110900	29200	24830	P	002RF77	DRE	132S4		320	176
	1.5	25200	986	117000	29200	24830	PF	002RF77	DRE	132S4		260	177
							PH	002RF77	DRE	132S4		325	176
							PHF	002RF77	DRE	132S4		265	177
	2.4	15600	610	124000	-	24830	P	002RF77	DRE	132S4		320	176
	2.7	14000	549	124000	-	24830	PF	002RF77	DRE	132S4		260	177
	3.0	12300	482	124000	-	24830	PH	002RF77	DRE	132S4		320	176
	3.4	10900	425	124000	-	24830	PHF	002RF77	DRE	132S4		265	177
	3.9	9660	377	124000	-	24100							
	4.4	8610	336	124000	-	24100							
	4.8	7750	302	124000	-	23300							
	5.5	6800	265	124000	-	22200							

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
5.5	**0.36**	143200	4049	467100	209100	185660	**P**	**062RF137**	**DRE**	**132M4**		1760	220
	0.42	123100	3480	473000	209100	185660	**PF**	**062RF137**	**DRE**	**132M4**		1390	221
	0.46	112300	3174	473000	209100	185660	**PH**	**062RF137**	**DRE**	**132M4**		1740	220
							PHF	**062RF137**	**DRE**	**132M4**		1380	221
	0.36	143200	4049	339400	140600	124060	**P**	**052RF137**	**DRE**	**132M4**		1270	216
	0.42	123100	3480	357100	140600	124060	**PF**	**052RF137**	**DRE**	**132M4**		1070	217
	0.50	102000	2883	364000	140600	124060	**PH**	**052RF137**	**DRE**	**132M4**		1260	216
	0.57	90500	2558	364000	140600	124060	**PHF**	**052RF137**	**DRE**	**132M4**		1060	217
	0.40	128600	3637	352500	140600	124060	**P**	**052RF107**	**DRE**	**132M4**		1160	214
	0.51	101100	2859	364000	140600	124060	**PF**	**052RF107**	**DRE**	**132M4**		960	215
	0.57	91000	2573	364000	140600	124060	**PH**	**052RF107**	**DRE**	**132M4**		1150	214
							PHF	**052RF107**	**DRE**	**132M4**		950	215
	0.46	112300	3174	282400	111000	100170	**P**	**042RF137**	**DRE**	**132M4**		1130	210
	0.63	82100	2321	312300	111000	100170	**PF**	**042RF137**	**DRE**	**132M4**		940	211
							PH	**042RF137**	**DRE**	**132M4**		1130	210
							PHF	**042RF137**	**DRE**	**132M4**		940	211
	0.47	109000	3082	286100	111000	100170	**P**	**042RF107**	**DRE**	**132M4**		1020	208
	0.51	101100	2859	294600	111000	100170	**PF**	**042RF107**	**DRE**	**132M4**		830	209
	0.57	91000	2573	304400	111000	100170	**PH**	**042RF107**	**DRE**	**132M4**		1020	208
	0.62	82400	2331	312000	111000	100170	**PHF**	**042RF107**	**DRE**	**132M4**		830	209
	0.70	73100	2067	319500	111000	100170							
	0.78	66100	1869	323000	111000	100170							
	0.62	82400	2331	204600	86800	69620	**P**	**032RF107**	**DRE**	**132M4**		770	202
	0.70	73100	2067	218500	86800	69620	**PF**	**032RF107**	**DRE**	**132M4**		650	203
	0.92	56000	1584	239200	86800	69620	**PH**	**032RF107**	**DRE**	**132M4**		790	202
	1.0	48900	1383	246200	86800	69620	**PHF**	**032RF107**	**DRE**	**132M4**		670	203
	1.2	42700	1207	251600	86800	69620	**P**	**032RF107**	**DRE**	**132M4**		760	202
							PF	**032RF107**	**DRE**	**132M4**		640	203
							PH	**032RF107**	**DRE**	**132M4**		780	202
							PHF	**032RF107**	**DRE**	**132M4**		660	203
	0.78	66000	1867	227800	-	69620	**P**	**032RF97**	**DRE**	**132M4**		720	200
	0.87	59300	1678	235600	-	69620	**PF**	**032RF97**	**DRE**	**132M4**		600	201
	1.0	51500	1457	243700	-	69620	**PH**	**032RF97**	**DRE**	**132M4**		740	200
	1.3	38200	1082	252000	86800	69620	**PHF**	**032RF97**	**DRE**	**132M4**		620	201
	1.2	44400	1257	250200	-	69620	**P**	**032RF97**	**DRE**	**132M4**		720	200
							PF	**032RF97**	**DRE**	**132M4**		600	201
							PH	**032RF97**	**DRE**	**132M4**		740	200
							PHF	**032RF97**	**DRE**	**132M4**		620	201
	0.87	59300	1678	177400	-	51190	**P**	**022RF97**	**DRE**	**132M4**		640	194
	1.0	51500	1457	190300	-	51190	**PF**	**022RF97**	**DRE**	**132M4**		540	195
	1.1	46100	1304	197000	-	51190	**PH**	**022RF97**	**DRE**	**132M4**		660	194
							PHF	**022RF97**	**DRE**	**132M4**		550	195
	1.5	34700	982	197000	64200	51190	**P**	**022RF97**	**DRE**	**132M4**		640	194
	1.7	31000	878	197000	64200	51190	**PF**	**022RF97**	**DRE**	**132M4**		540	195
							PH	**022RF97**	**DRE**	**132M4**		650	194
							PHF	**022RF97**	**DRE**	**132M4**		550	195
	1.6	32400	918	197000	-	51190	**P**	**022RF87**	**DRE**	**132M4**		590	192
							PF	**022RF87**	**DRE**	**132M4**		485	193
							PH	**022RF87**	**DRE**	**132M4**		600	192
							PHF	**022RF87**	**DRE**	**132M4**		500	193
	1.3	38200	1082	156000	46200	36810	**P**	**012RF97**	**DRE**	**132M4**		495	188
							PF	**012RF97**	**DRE**	**132M4**		425	189
							PH	**012RF97**	**DRE**	**132M4**		510	188
							PHF	**012RF97**	**DRE**	**132M4**		435	189
	1.5	34700	982	156000	46200	36810	**P**	**012RF97**	**DRE**	**132M4**		490	188
	1.8	27900	790	156000	46200	36810	**PF**	**012RF97**	**DRE**	**132M4**		420	189
	2.0	25300	716	156000	46200	36810	**PH**	**012RF97**	**DRE**	**132M4**		500	188
	2.3	22400	634	156000	46200	36810	**PHF**	**012RF97**	**DRE**	**132M4**		435	189
	1.1	45300	1281	156000	46200	36810	**P**	**012RF87**	**DRE**	**132M4**		440	186
	1.3	38700	1094	156000	46200	36810	**PF**	**012RF87**	**DRE**	**132M4**		370	187
							PH	**012RF87**	**DRE**	**132M4**		455	186
							PHF	**012RF87**	**DRE**	**132M4**		385	187

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
5.5	1.3	38600	1092	156000	46200	36810	P	012RF87	DRE	132M4		440	186
	1.6	32400	918	156000	46200	36810	PF	012RF87	DRE	132M4		370	187
	1.7	29800	844	156000	46200	36810	PH	012RF87	DRE	132M4		455	186
	1.9	26500	749	156000	46200	36810	PHF	012RF87	DRE	132M4		385	187
	2.2	23700	670	156000	46200	36810							
	2.4	21300	602	156000	46200	36810							
	2.8	18500	523	156000	46200	36810							
	2.0	26400	746	115300	29200	24830	P	002RF87	DRE	132M4		360	178
	2.2	23600	667	119400	29200	24830	PF	002RF87	DRE	132M4		300	179
	2.4	21200	600	122600	29200	24830	PH	002RF87	DRE	132M4		365	178
	2.8	18400	521	124000	29200	24830	PHF	002RF87	DRE	132M4		305	179
	3.1	16500	466	124000	29200	24830							
	3.8	13600	387	124000	29200	24830							
	4.1	12600	357	124000	29200	24830							
	4.5	11300	321	124000	29200	24830							
	5.2	9860	279	124000	29200	24830							
	5.6	9200	260	124000	-	24400							
	6.2	8240	233	122200	-	23500							
	7.7	6660	188	114600	-	12000	P	002RF77	DRE	132M4		330	176
	8.7	5930	168	110700	-	12000	PF	002RF77	DRE	132M4		270	177
							PH	002RF77	DRE	132M4		335	176
							PHF	002RF77	DRE	132M4		275	177
7.5	0.36	194000	4049	432200	209100	185660	P	062RF137	DRE	160S4		1770	220
							PF	062RF137	DRE	160S4		1400	221
							PH	062RF137	DRE	160S4		1760	220
							PHF	062RF137	DRE	160S4		1390	221
	0.36	193300	4049	432700	209100	185660	P	062RF137	DRE	132MC4		1760	220
	0.42	166200	3480	452600	209100	185660	PF	062RF137	DRE	132MC4		1390	221
	0.46	151500	3174	462100	209100	185660	PH	062RF137	DRE	132MC4		1750	220
	0.51	137600	2883	470400	209100	185660	PHF	062RF137	DRE	132MC4		1380	221
	0.57	122100	2558	473000	209100	185660							
	0.63	110800	2321	473000	209100	185660							
	0.51	138100	2883	344100	140600	124060	P	052RF137	DRE	160S4		1280	216
							PF	052RF137	DRE	160S4		1080	217
							PH	052RF137	DRE	160S4		1280	216
							PHF	052RF137	DRE	160S4		1080	217
	0.51	137600	2883	344600	140600	124060	P	052RF137	DRE	132MC4		1270	216
	0.57	122100	2558	357900	140600	124060	PF	052RF137	DRE	132MC4		1070	217
	0.74	95200	1995	364000	140600	124060	PH	052RF137	DRE	132MC4		1270	216
	0.84	83100	1741	364000	140600	124060	PHF	052RF137	DRE	132MC4		1070	217
	0.51	137000	2859	345200	140600	124060	P	052RF107	DRE	160S4		1180	214
							PF	052RF107	DRE	160S4		980	215
							PH	052RF107	DRE	160S4		1170	214
							PHF	052RF107	DRE	160S4		970	215
	0.51	136500	2859	345600	140600	124060	P	052RF107	DRE	132MC4		1160	214
	0.79	89200	1869	364000	140600	124060	PF	052RF107	DRE	132MC4		960	215
							PH	052RF107	DRE	132MC4		1160	214
							PHF	052RF107	DRE	132MC4		960	215
	0.63	110800	2321	284000	111000	100170	P	042RF137	DRE	132MC4		1130	210
	0.99	70500	1477	321400	111000	100170	PF	042RF137	DRE	132MC4		940	211
							PH	042RF137	DRE	132MC4		1130	210
							PHF	042RF137	DRE	132MC4		940	211
	0.71	98700	2067	297100	111000	100170	P	042RF107	DRE	132MC4		1020	208
	0.79	89200	1869	306100	111000	100170	PF	042RF107	DRE	132MC4		830	209
	0.93	75600	1584	317600	111000	100170	PH	042RF107	DRE	132MC4		1020	208
	1.1	66000	1383	323000	111000	100170	PHF	042RF107	DRE	132MC4		830	209
	1.2	57600	1207	323000	111000	100170	P	042RF107	DRE	132MC4		1010	208
							PF	042RF107	DRE	132MC4		820	209
							PH	042RF107	DRE	132MC4		1020	208
							PHF	042RF107	DRE	132MC4		830	209
	0.92	75800	1584	214600	86800	69620	P	032RF107	DRE	160S4		790	202
							PF	032RF107	DRE	160S4		660	203
							PH	032RF107	DRE	160S4		810	202
							PHF	032RF107	DRE	160S4		690	203

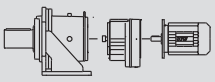
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
7.5	0.93	75600	1584	215000	86800	69620	P	032RF107	DRE	132MC4		770	202
	1.1	66000	1383	227800	86800	69620	PF	032RF107	DRE	132MC4		650	203
							PH	032RF107	DRE	132MC4		790	202
							PHF	032RF107	DRE	132MC4		670	203
	1.4	51600	1082	243600	86800	69620	P	032RF107	DRE	132MC4		770	202
	1.5	46600	977	248300	86800	69620	PF	032RF107	DRE	132MC4		650	203
							PH	032RF107	DRE	132MC4		790	202
							PHF	032RF107	DRE	132MC4		670	203
	1.4	50900	1067	244300	-	69620	P	032RF97	DRE	132MC4		720	200
	1.5	46900	982	248000	-	69620	PF	032RF97	DRE	132MC4		600	201
	1.7	41900	878	252000	-	69620	PH	032RF97	DRE	132MC4		740	200
							PHF	032RF97	DRE	132MC4		620	201
	1.2	57800	1207	180100	64200	51190	P	022RF107	DRE	160S4		700	196
							PF	022RF107	DRE	160S4		600	197
							PH	022RF107	DRE	160S4		710	196
							PHF	022RF107	DRE	160S4		610	197
	1.2	57600	1207	180400	64200	51190	P	022RF107	DRE	132MC4		690	196
							PF	022RF107	DRE	132MC4		580	197
							PH	022RF107	DRE	132MC4		700	196
							PHF	022RF107	DRE	132MC4		600	197
	1.4	51600	1082	190100	-	51190	P	022RF97	DRE	132MC4		640	194
							PF	022RF97	DRE	132MC4		540	195
							PH	022RF97	DRE	132MC4		660	194
							PHF	022RF97	DRE	132MC4		560	195
	1.5	46900	982	196900	64200	51190	P	022RF97	DRE	132MC4		640	194
	1.7	41900	878	197000	64200	51190	PF	022RF97	DRE	132MC4		540	195
	1.9	37700	790	197000	64200	51190	PH	022RF97	DRE	132MC4		660	194
	2.0	34100	716	197000	64200	51190	PHF	022RF97	DRE	132MC4		550	195
	2.3	30300	634	197000	64200	51190							
	1.8	37800	790	156000	46200	36810	P	012RF97	DRE	160S4		500	188
							PF	012RF97	DRE	160S4		435	189
							PH	012RF97	DRE	160S4		520	188
							PHF	012RF97	DRE	160S4		450	189
	1.9	37700	790	156000	46200	36810	P	012RF97	DRE	132MC4		495	188
	2.0	34100	716	156000	46200	36810	PF	012RF97	DRE	132MC4		425	189
	2.3	30300	634	156000	46200	36810	PH	012RF97	DRE	132MC4		510	188
	2.6	27300	574	156000	46200	36810	PHF	012RF97	DRE	132MC4		435	189
	3.0	23200	486	156000	46200	36810							
	3.5	20200	425	156000	46200	36810							
	1.6	44000	918	156000	46200	36810	P	012RF87	DRE	160S4		455	186
	1.7	40400	844	156000	46200	36810	PF	012RF87	DRE	160S4		385	187
							PH	012RF87	DRE	160S4		470	186
							PHF	012RF87	DRE	160S4		400	187
	1.6	43800	918	156000	46200	36810	P	012RF87	DRE	132MC4		445	186
	1.7	40300	844	156000	46200	36810	PF	012RF87	DRE	132MC4		375	187
	2.4	28700	602	156000	46200	36810	PH	012RF87	DRE	132MC4		455	186
	2.8	24900	523	156000	46200	36810	PHF	012RF87	DRE	132MC4		385	187
	3.1	22300	468	156000	46200	36810							
	3.8	18500	388	156000	46200	36810							
	4.1	17100	359	156000	-	36810							
	4.6	15400	322	156000	46200	36810							
	2.4	28700	600	111400	29200	24830	P	002RF87	DRE	160S4		375	178
	2.8	24900	521	117500	29200	24830	PF	002RF87	DRE	160S4		315	179
							PH	002RF87	DRE	160S4		380	178
							PHF	002RF87	DRE	160S4		320	179

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
7.5	2.4	28600	600	111600	29200	24830	P	002RF87	DRE	132MC4	365	178
	3.2	22200	466	121300	29200	24830	PF	002RF87	DRE	132MC4	305	179
	3.8	18400	387	124000	29200	24830	PH	002RF87	DRE	132MC4	365	178
	4.1	17000	357	124000	29200	24830	PHF	002RF87	DRE	132MC4	310	179
	4.6	15300	321	124000	29200	24830						
	5.3	13300	279	124000	29200	24830						
	5.6	12400	260	124000	-	24400						
	6.3	11100	233	121800	-	23500						
	7.6	9230	193	115200	-	22500						
	8.2	8520	178	112400	-	23100						
	9.2	7660	161	108900	-	22200						
	11	6650	139	104400	-	20400						
	12	5950	125	101000	-	19500						
	14	4940	104	95500	-	17400						
9.2	0.41	211300	3608	850000	631300	500000	P	102RF167	DRE	160M4	4590	234
	0.46	188000	3210	850000	631300	500000	PF	102RF167	DRE	160M4	3630	235
	0.52	167100	2854	850000	-	500000	PH	102RF167	DRE	160M4	4650	234
	0.65	133000	2271	850000	-	500000	PHF	102RF167	DRE	160M4	3690	235
	0.40	214100	3656	720000	513900	423000	P	092RF167	DRE	160M4	3740	232
	0.45	190500	3253	720000	513900	423000	PF	092RF167	DRE	160M4	3040	233
	0.51	169300	2891	720000	-	423000	PH	092RF167	DRE	160M4	3750	232
	0.64	134700	2301	720000	-	423000	PHF	092RF167	DRE	160M4	3050	233
	0.72	118900	2031	720000	-	423000						
	0.81	105700	1805	720000	513900	423000	P	092RF167	DRE	160M4	3730	232
							PF	092RF167	DRE	160M4	3030	233
							PH	092RF167	DRE	160M4	3740	232
							PHF	092RF167	DRE	160M4	3040	233
	0.35	243800	4165	523000	-	245660	P	072RF147	DRE	160M4	2320	224
	0.54	160800	2747	523000	-	245660	PF	072RF147	DRE	160M4	1830	225
	0.58	149400	2552	523000	-	245660	PH	072RF147	DRE	160M4	2370	224
	0.63	136300	2328	523000	-	245660	PHF	072RF147	DRE	160M4	1880	225
	0.40	217400	3711	412500	209100	185660	P	062RF147	DRE	160M4	1900	222
	0.45	191800	3275	433900	209100	185660	PF	062RF147	DRE	160M4	1530	223
	0.71	121500	2074	473000	209100	185660	PH	062RF147	DRE	160M4	1890	222
							PHF	062RF147	DRE	160M4	1520	223
	0.42	203800	3480	424200	209100	185660	P	062RF137	DRE	160M4	1780	220
	0.51	168900	2883	450800	209100	185660	PF	062RF137	DRE	160M4	1410	221
	0.84	102000	1741	473000	209100	185660	PH	062RF137	DRE	160M4	1770	220
							PHF	062RF137	DRE	160M4	1400	221
	0.57	149800	2558	332900	140600	124060	P	052RF137	DRE	160M4	1290	216
	0.63	135900	2321	346100	140600	124060	PF	052RF137	DRE	160M4	1090	217
	0.99	86500	1477	364000	140600	124060	PH	052RF137	DRE	160M4	1280	216
	1.1	75600	1291	364000	140600	124060	PHF	052RF137	DRE	160M4	1090	217
	1.1	81000	1383	364000	140600	124060	P	052RF107	DRE	160M4	1190	214
							PF	052RF107	DRE	160M4	990	215
							PH	052RF107	DRE	160M4	1180	214
							PHF	052RF107	DRE	160M4	980	215
	1.2	70700	1207	364000	140600	124060	P	052RF107	DRE	160M4	1180	214
							PF	052RF107	DRE	160M4	980	215
							PH	052RF107	DRE	160M4	1170	214
							PHF	052RF107	DRE	160M4	970	215
	0.74	116800	1995	276900	111000	100170	P	042RF137	DRE	160M4	1150	210
	0.84	102000	1741	293700	111000	100170	PF	042RF137	DRE	160M4	960	211
	1.4	63900	1092	323000	111000	100170	PH	042RF137	DRE	160M4	1150	210
							PHF	042RF137	DRE	160M4	960	211
	0.79	109400	1869	285600	111000	100170	P	042RF107	DRE	160M4	1040	208
	0.93	92700	1584	302800	111000	100170	PF	042RF107	DRE	160M4	850	209
	1.1	81000	1383	313200	111000	100170	PH	042RF107	DRE	160M4	1050	208
							PHF	042RF107	DRE	160M4	860	209
	1.4	63300	1082	323000	111000	100170	P	042RF107	DRE	160M4	1030	208
	1.5	57200	977	323000	111000	100170	PF	042RF107	DRE	160M4	840	209
	1.7	51900	887	323000	111000	100170	PH	042RF107	DRE	160M4	1040	208
							PHF	042RF107	DRE	160M4	850	209

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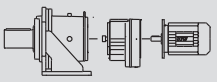
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
9.2	1.1	81000	1383	206800	86800	69620	P	032RF107	DRE	160M4	790	202
							PF	032RF107	DRE	160M4	670	203
							PH	032RF107	DRE	160M4	820	202
							PHF	032RF107	DRE	160M4	690	203
	1.2	70700	1207	221800	86800	69620	P	032RF107	DRE	160M4	790	202
	1.4	63300	1082	231000	86800	69620	PF	032RF107	DRE	160M4	670	203
	1.9	46100	787	248700	86800	69620	PH	032RF107	DRE	160M4	810	202
	2.1	41800	714	252000	86800	69620	PHF	032RF107	DRE	160M4	690	203
	2.0	41900	716	252000	-	69620	P	032RF97	DRE	160M4	740	200
	2.3	37100	634	252000	-	69620	PF	032RF97	DRE	160M4	620	201
							PH	032RF97	DRE	160M4	760	200
							PHF	032RF97	DRE	160M4	640	201
	2.4	35900	614	197000	64200	51190	P	022RF107	DRE	160M4	710	196
	2.7	31300	536	197000	64200	51190	PF	022RF107	DRE	160M4	610	197
							PH	022RF107	DRE	160M4	720	196
							PHF	022RF107	DRE	160M4	620	197
	1.5	57500	982	180700	64200	51190	P	022RF97	DRE	160M4	660	194
	1.7	51400	878	190500	64200	51190	PF	022RF97	DRE	160M4	560	195
	1.9	46200	790	197000	64200	51190	PH	022RF97	DRE	160M4	680	194
	2.0	41900	716	197000	64200	51190	PHF	022RF97	DRE	160M4	580	195
	2.6	33600	574	197000	64200	51190						
	3.0	28400	486	197000	64200	51190						
	3.8	22700	388	197000	-	45300	P	022RF87	DRE	160M4	610	192
							PF	022RF87	DRE	160M4	510	193
							PH	022RF87	DRE	160M4	630	192
							PHF	022RF87	DRE	160M4	520	193
	2.0	41900	716	156000	46200	36810	P	012RF97	DRE	160M4	510	188
	2.3	37100	634	156000	46200	36810	PF	012RF97	DRE	160M4	445	189
	2.6	33600	574	156000	46200	36810	PH	012RF97	DRE	160M4	530	188
	3.0	28400	486	156000	46200	36810	PHF	012RF97	DRE	160M4	460	189
	3.5	24800	425	156000	46200	36810						
	4.0	21300	364	156000	46200	36810						
	4.5	19200	329	156000	46200	36810						
	5.3	16300	279	156000	46200	36810						
	2.0	43800	749	156000	46200	36810	P	012RF87	DRE	160M4	465	186
	2.2	39200	670	156000	46200	36810	PF	012RF87	DRE	160M4	395	187
	4.1	21000	359	156000	-	36810	PH	012RF87	DRE	160M4	475	186
	4.6	18800	322	156000	46200	36810	PHF	012RF87	DRE	160M4	405	187
	5.2	16300	280	156000	-	36810						
	6.0	14200	243	123300	29200	24830	P	002RF97	DRE	160M4	435	180
							PF	002RF97	DRE	160M4	375	181
							PH	002RF97	DRE	160M4	440	180
							PHF	002RF97	DRE	160M4	380	181
	3.2	27300	466	113800	29200	24830	P	002RF87	DRE	160M4	385	178
	3.8	22600	387	120700	29200	24830	PF	002RF87	DRE	160M4	325	179
	4.1	20900	357	123000	29200	24830	PH	002RF87	DRE	160M4	385	178
	4.6	18800	321	124000	29200	24830	PHF	002RF87	DRE	160M4	330	179
	5.3	16300	279	124000	29200	24830						
	5.9	14600	250	124000	29200	24830						
	7.1	12100	207	117500	29200	24830						
	7.6	11300	193	115200	-	22500						
	8.2	10400	178	112400	-	23100						
	9.2	9400	161	108900	-	22200						
	11	8160	139	104400	-	20400						
	12	7300	125	101000	-	19500						
	14	6060	104	95500	-	17400						
11.0	0.41	251800	3608	850000	631300	500000	P	102RF167	DRE	160MC4	4590	234
	0.46	224000	3210	850000	631300	500000	PF	102RF167	DRE	160MC4	3640	235
	0.52	199100	2854	850000	-	500000	PH	102RF167	DRE	160MC4	4650	234
	0.65	158500	2271	850000	-	500000	PHF	102RF167	DRE	160MC4	3700	235
	0.74	139800	2004	850000	-	500000						
	0.83	124300	1781	850000	631300	500000	P	102RF167	DRE	160MC4	4590	234
							PF	102RF167	DRE	160MC4	3630	235
							PH	102RF167	DRE	160MC4	4650	234
							PHF	102RF167	DRE	160MC4	3690	235

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
11.0	**0.40**	255200	3656	720000	513900	423000	**P**	**092RF167**	**DRE**	**160MC4**	3740	232
	0.45	227000	3253	720000	513900	423000	**PF**	**092RF167**	**DRE**	**160MC4**	3040	233
	0.51	201800	2891	720000	-	423000	**PH**	**092RF167**	**DRE**	**160MC4**	3750	232
	0.64	160600	2301	720000	-	423000	**PHF**	**092RF167**	**DRE**	**160MC4**	3050	233
	0.73	141700	2031	720000	-	423000						
	0.94	109300	1566	720000	-	423000						
	0.82	125900	1805	720000	513900	423000	**P**	**092RF167**	**DRE**	**160MC4**	3730	232
							PF	**092RF167**	**DRE**	**160MC4**	3040	233
							PH	**092RF167**	**DRE**	**160MC4**	3740	232
							PHF	**092RF167**	**DRE**	**160MC4**	3050	233
	0.37	281500	4034	683000	397100	359400	**P**	**082RF167**	**DRE**	**160MC4**	3240	230
	0.42	244100	3497	683000	397100	359400	**PF**	**082RF167**	**DRE**	**160MC4**	2590	231
							PH	**082RF167**	**DRE**	**160MC4**	3230	230
							PHF	**082RF167**	**DRE**	**160MC4**	2580	231
	0.47	220400	3159	523000	274600	245660	**P**	**072RF167**	**DRE**	**160MC4**	2580	226
							PF	**072RF167**	**DRE**	**160MC4**	2090	227
							PH	**072RF167**	**DRE**	**160MC4**	2640	226
							PHF	**072RF167**	**DRE**	**160MC4**	2150	227
	0.35	290600	4165	497800	-	245660	**P**	**072RF147**	**DRE**	**160MC4**	2320	224
	0.41	251500	3604	523000	-	245660	**PF**	**072RF147**	**DRE**	**160MC4**	1830	225
	0.46	221900	3180	523000	-	245660	**PH**	**072RF147**	**DRE**	**160MC4**	2380	224
	0.54	191600	2747	523000	-	245660	**PHF**	**072RF147**	**DRE**	**160MC4**	1890	225
	0.58	178000	2552	523000	-	245660						
	0.63	162400	2328	523000	-	245660						
	0.52	198100	2828	429000	209100	185660	**P**	**062RF147**	**DRE**	**180S4**	1930	222
							PF	**062RF147**	**DRE**	**180S4**	1560	223
							PH	**062RF147**	**DRE**	**180S4**	1920	222
							PHF	**062RF147**	**DRE**	**180S4**	1550	223
	0.52	197400	2828	429500	209100	185660	**P**	**062RF147**	**DRE**	**160MC4**	1900	222
	0.71	144800	2074	466200	209100	185660	**PF**	**062RF147**	**DRE**	**160MC4**	1540	223
							PH	**062RF147**	**DRE**	**160MC4**	1890	222
							PHF	**062RF147**	**DRE**	**160MC4**	1530	223
	0.51	201900	2883	425800	209100	185660	**P**	**062RF137**	**DRE**	**180S4**	1810	220
							PF	**062RF137**	**DRE**	**180S4**	1440	221
							PH	**062RF137**	**DRE**	**180S4**	1800	220
							PHF	**062RF137**	**DRE**	**180S4**	1430	221
	0.51	201200	2883	426400	209100	185660	**P**	**062RF137**	**DRE**	**160MC4**	1780	220
	0.58	178500	2558	443900	209100	185660	**PF**	**062RF137**	**DRE**	**160MC4**	1420	221
	0.64	162000	2321	455400	209100	185660	**PH**	**062RF137**	**DRE**	**160MC4**	1770	220
	0.74	139200	1995	469500	209100	185660	**PHF**	**062RF137**	**DRE**	**160MC4**	1410	221
	0.85	121500	1741	473000	209100	185660						
	0.74	139700	1995	342700	140600	124060	**P**	**052RF137**	**DRE**	**180S4**	1320	216
							PF	**052RF137**	**DRE**	**180S4**	1120	217
							PH	**052RF137**	**DRE**	**180S4**	1320	216
							PHF	**052RF137**	**DRE**	**180S4**	1120	217
	0.74	139200	1995	343100	140600	124060	**P**	**052RF137**	**DRE**	**160MC4**	1300	216
	0.85	121500	1741	358400	140600	124060	**PF**	**052RF137**	**DRE**	**160MC4**	1100	217
	1.0	103100	1477	364000	140600	124060	**PH**	**052RF137**	**DRE**	**160MC4**	1290	216
	1.1	90100	1291	364000	140600	124060	**PHF**	**052RF137**	**DRE**	**160MC4**	1090	217
	0.79	130800	1869	350600	140600	124060	**P**	**052RF107**	**DRE**	**180S4**	1220	214
							PF	**052RF107**	**DRE**	**180S4**	1020	215
							PH	**052RF107**	**DRE**	**180S4**	1210	214
							PHF	**052RF107**	**DRE**	**180S4**	1010	215
	0.79	130400	1869	351000	140600	124060	**P**	**052RF107**	**DRE**	**160MC4**	1190	214
							PF	**052RF107**	**DRE**	**160MC4**	990	215
							PH	**052RF107**	**DRE**	**160MC4**	1180	214
							PHF	**052RF107**	**DRE**	**160MC4**	980	215
	0.99	103400	1477	292200	111000	100170	**P**	**042RF137**	**DRE**	**180S4**	1180	210
							PF	**042RF137**	**DRE**	**180S4**	990	211
							PH	**042RF137**	**DRE**	**180S4**	1180	210
							PHF	**042RF137**	**DRE**	**180S4**	990	211

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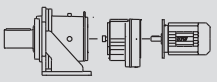
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							PHF	**042RF137**	**DRE**	**160MC4**		970	211
	0.93	110900	1584	283900	111000	100170	**P**	**042RF107**	**DRE**	**180S4**		1070	208
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							PHF	**042RF107**	**DRE**	**180S4**		890	209
	0.93	110500	1584	284400	111000	100170	**P**	**042RF107**	**DRE**	**160MC4**		1050	208
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							PH	**042RF107**	**DRE**	**160MC4**		1050	208
							PHF	**042RF107**	**DRE**	**160MC4**		860	209
	1.2	84200	1207	310500	111000	100170	**P**	**042RF107**	**DRE**	**160MC4**		1040	208
	1.4	75500	1082	317700	111000	100170	**PF**	**042RF107**	**DRE**	**160MC4**		850	209
	1.5	68100	977	323000	111000	100170	**PH**	**042RF107**	**DRE**	**160MC4**		1040	208
	1.7	61900	887	323000	111000	100170	**PHF**	**042RF107**	**DRE**	**160MC4**		850	209
	1.2	84500	1207	201100	86800	69620	**P**	**032RF107**	**DRE**	**180S4**		820	202
	1.4	75700	1082	214800	86800	69620	**PF**	**032RF107**	**DRE**	**180S4**		700	203
							PH	**032RF107**	**DRE**	**180S4**		840	202
							PHF	**032RF107**	**DRE**	**180S4**		720	203
	1.2	84200	1207	201600	86800	69620	**P**	**032RF107**	**DRE**	**160MC4**		790	202
	1.4	75500	1082	215100	86800	69620	**PF**	**032RF107**	**DRE**	**160MC4**		670	203
	1.5	68100	977	225100	86800	69620	**PH**	**032RF107**	**DRE**	**160MC4**		810	202
	1.9	54900	787	240300	86800	69620	**PHF**	**032RF107**	**DRE**	**160MC4**		690	203
	2.1	49800	714	245300	86800	69620							
	1.4	75700	1082	214800	86800	69620	**P**	**032RF97**	**DRE**	**180S4**		780	200
							PF	**032RF97**	**DRE**	**180S4**		660	201
							PH	**032RF97**	**DRE**	**180S4**		800	200
							PHF	**032RF97**	**DRE**	**180S4**		680	201
	1.4	75500	1082	215100	86800	69620	**P**	**032RF97**	**DRE**	**160MC4**		750	200
							PF	**032RF97**	**DRE**	**160MC4**		630	201
							PH	**032RF97**	**DRE**	**160MC4**		770	200
							PHF	**032RF97**	**DRE**	**160MC4**		650	201
	1.7	61200	878	233500	-	69620	**P**	**032RF97**	**DRE**	**160MC4**		750	200
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							PH	**032RF97**	**DRE**	**160MC4**		770	200
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	2.4	42800	614	197000	64200	51190	**P**	**022RF107**	**DRE**	**160MC4**		710	196
	2.8	37400	536	197000	64200	51190	**PF**	**022RF107**	**DRE**	**160MC4**		610	197
							PH	**022RF107**	**DRE**	**160MC4**		730	196
							PHF	**022RF107**	**DRE**	**160MC4**		630	197
	1.7	61400	878	173600	64200	51190	**P**	**022RF97**	**DRE**	**180S4**		700	194
	1.9	55300	790	184300	64200	51190	**PF**	**022RF97**	**DRE**	**180S4**		590	195
							PH	**022RF97**	**DRE**	**180S4**		710	194
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	1.7	61200	878	174000	64200	51190	**P**	**022RF97**	**DRE**	**160MC4**		670	194
	1.9	55100	790	184600	64200	51190	**PF**	**022RF97**	**DRE**	**160MC4**		560	195
	2.1	49900	716	192600	64200	51190	**PH**	**022RF97**	**DRE**	**160MC4**		680	194
	2.3	44200	634	197000	64200	51190	**PHF**	**022RF97**	**DRE**	**160MC4**		580	195
	2.6	40000	574	197000	64200	51190							
	3.0	33900	486	197000	64200	51190							
	2.3	44400	634	156000	46200	36810	**P**	**012RF97**	**DRE**	**180S4**		550	188
	2.6	40100	574	156000	46200	36810	**PF**	**012RF97**	**DRE**	**180S4**		475	189
							PH	**012RF97**	**DRE**	**180S4**		560	188
							PHF	**012RF97**	**DRE**	**180S4**		490	189
	2.3	44200	634	156000	46200	36810	**P**	**012RF97**	**DRE**	**160MC4**		520	188
	2.6	40000	574	156000	46200	36810	**PF**	**012RF97**	**DRE**	**160MC4**		450	189
	3.0	33900	486	156000	46200	36810	**PH**	**012RF97**	**DRE**	**160MC4**		530	188
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	4.0	25400	364	156000	46200	36810							
	4.5	22900	329	156000	46200	36810							
	5.3	19400	279	156000	46200	36810							
	6.0	17000	244	152400	46200	36810							
	7.2	14200	204	144400	46200	36810							

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
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							PHF	012RF87	DRE	180S4	440	187
	2.4	42000	602	156000	46200	36810	P	012RF87	DRE	160MC4	470	186
	3.8	27100	388	156000	46200	36810	PF	012RF87	DRE	160MC4	400	187
	4.1	25000	359	156000	-	36810	PH	012RF87	DRE	160MC4	480	186
	4.6	22500	322	156000	46200	36810	PHF	012RF87	DRE	160MC4	410	187
	5.3	19500	280	156000	-	36810						
	5.9	17400	251	153700	-	36810						
	7.1	14500	208	145300	-	34900						
	3.8	27000	387	114200	29200	24830	P	002RF87	DRE	180S4	415	178
	4.1	25000	357	117400	29200	24830	PF	002RF87	DRE	180S4	360	179
							PH	002RF87	DRE	180S4	420	178
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	3.8	27000	387	114300	29200	24830	P	002RF87	DRE	160MC4	390	178
	4.6	22400	321	121100	29200	24830	PF	002RF87	DRE	160MC4	330	179
	5.3	19400	279	124000	29200	24830	PH	002RF87	DRE	160MC4	390	178
	5.9	17400	250	124000	29200	24830	PHF	002RF87	DRE	160MC4	335	179
	7.1	14400	207	117400	29200	24830						
	7.6	13400	193	115000	-	22500						
	8.3	12400	178	112300	-	23100						
	9.2	11200	161	108800	-	22200						
	11	9720	139	104300	-	20400						
	12	8700	125	100900	-	19500						
	14	7220	104	95400	-	17400						
15.0	0.41	344600	3608	850000	631300	500000	P	102RF167	DRE	180M4	4640	234
	0.46	306600	3210	850000	631300	500000	PF	102RF167	DRE	180M4	3680	235
	0.52	272500	2854	850000	-	500000	PH	102RF167	DRE	180M4	4700	234
	0.65	216800	2271	850000	-	500000	PHF	102RF167	DRE	180M4	3740	235
	0.73	191300	2004	850000	-	500000						
	0.95	147600	1546	850000	-	500000						
	1.1	127200	1332	850000	-	500000						
	0.83	170000	1781	850000	631300	500000	P	102RF167	DRE	180M4	4630	234
							PF	102RF167	DRE	180M4	3670	235
							PH	102RF167	DRE	180M4	4690	234
							PHF	102RF167	DRE	180M4	3730	235
	0.40	349200	3656	720000	513900	423000	P	092RF167	DRE	180M4	3780	232
	0.45	310600	3253	720000	513900	423000	PF	092RF167	DRE	180M4	3080	233
	0.51	276100	2891	720000	-	423000	PH	092RF167	DRE	180M4	3790	232
	0.64	219700	2301	720000	-	423000	PHF	092RF167	DRE	180M4	3100	233
	0.72	193900	2031	720000	-	423000						
	0.94	149500	1566	720000	-	423000						
	1.1	128900	1350	720000	-	423000						
	0.81	172300	1805	720000	513900	423000	P	092RF167	DRE	180M4	3780	232
	1.2	115000	1205	720000	513900	423000	PF	092RF167	DRE	180M4	3080	233
							PH	092RF167	DRE	180M4	3790	232
							PHF	092RF167	DRE	180M4	3090	233
	0.36	385200	4034	630300	397100	359400	P	082RF167	DRE	180M4	3280	230
	0.42	334000	3497	676200	397100	359400	PF	082RF167	DRE	180M4	2630	231
	0.47	297100	3112	683000	397100	359400	PH	082RF167	DRE	180M4	3280	230
	0.53	264100	2766	683000	397100	359400	PHF	082RF167	DRE	180M4	2630	231
	0.58	241500	2530	683000	397100	359400						
	0.64	218900	2293	683000	-	359400	P	082RF147	DRE	180M4	3020	228
							PF	082RF147	DRE	180M4	2380	229
							PH	082RF147	DRE	180M4	3020	228
							PHF	082RF147	DRE	180M4	2370	229
	0.47	301600	3159	484300	274600	245660	P	072RF167	DRE	180M4	2630	226
	0.57	245100	2568	523000	274600	245660	PF	072RF167	DRE	180M4	2140	227
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							PHF	072RF167	DRE	180M4	2190	227

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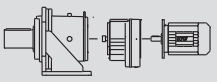
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	**0.54**	262200	2747	523000	-	245660	**P**	**072RF147**	**DRE**	**180M4**		2370	224
	0.58	243600	2552	523000	-	245660	**PF**	**072RF147**	**DRE**	**180M4**		1880	225
	0.63	222200	2328	523000	-	245660	**PH**	**072RF147**	**DRE**	**180M4**		2420	224
	0.73	192300	2014	523000	-	245660	**PHF**	**072RF147**	**DRE**	**180M4**		1930	225
	0.83	169700	1777	523000	-	245660							
	0.71	198100	2074	428900	209100	185660	**P**	**062RF147**	**DRE**	**180M4**		1940	222
	0.80	174800	1830	446600	209100	185660	**PF**	**062RF147**	**DRE**	**180M4**		1580	223
	0.93	150900	1581	462500	209100	185660	**PH**	**062RF147**	**DRE**	**180M4**		1930	222
	1.0	133500	1398	472700	209100	185660	**PHF**	**062RF147**	**DRE**	**180M4**		1570	223
	1.2	112200	1175	473000	209100	185660							
	0.74	190500	1995	434900	209100	185660	**P**	**062RF137**	**DRE**	**180M4**		1820	220
	0.84	166300	1741	452500	209100	185660	**PF**	**062RF137**	**DRE**	**180M4**		1460	221
	0.99	141000	1477	468400	209100	185660	**PH**	**062RF137**	**DRE**	**180M4**		1810	220
	1.1	123300	1291	473000	209100	185660	**PHF**	**062RF137**	**DRE**	**180M4**		1450	221
	1.4	104200	1092	473000	209100	185660							
	1.3	110800	1160	473000	209100	185660	**P**	**062RF137**	**DRE**	**180M4**		1820	220
							PF	**062RF137**	**DRE**	**180M4**		1450	221
							PH	**062RF137**	**DRE**	**180M4**		1800	220
							PHF	**062RF137**	**DRE**	**180M4**		1440	221
	0.99	141000	1477	341400	140600	124060	**P**	**052RF137**	**DRE**	**180M4**		1340	216
	1.1	123300	1291	356900	140600	124060	**PF**	**052RF137**	**DRE**	**180M4**		1140	217
	1.4	104200	1092	364000	140600	124060	**PH**	**052RF137**	**DRE**	**180M4**		1330	216
							PHF	**052RF137**	**DRE**	**180M4**		1130	217
	1.6	90300	946	364000	140600	124060	**P**	**052RF137**	**DRE**	**180M4**		1330	216
	1.7	82400	863	364000	140600	124060	**PF**	**052RF137**	**DRE**	**180M4**		1130	217
							PH	**052RF137**	**DRE**	**180M4**		1320	216
							PHF	**052RF137**	**DRE**	**180M4**		1120	217
	1.1	132100	1383	349500	140600	124060	**P**	**052RF107**	**DRE**	**180M4**		1240	214
							PF	**052RF107**	**DRE**	**180M4**		1040	215
							PH	**052RF107**	**DRE**	**180M4**		1230	214
							PHF	**052RF107**	**DRE**	**180M4**		1030	215
	1.4	104200	1092	291300	111000	100170	**P**	**042RF137**	**DRE**	**180M4**		1200	210
							PF	**042RF137**	**DRE**	**180M4**		1010	211
							PH	**042RF137**	**DRE**	**180M4**		1200	210
							PHF	**042RF137**	**DRE**	**180M4**		1010	211
	1.6	90300	946	305100	111000	100170	**P**	**042RF137**	**DRE**	**180M4**		1190	210
	1.7	82400	863	312100	111000	100170	**PF**	**042RF137**	**DRE**	**180M4**		1000	211
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							PHF	**042RF137**	**DRE**	**180M4**		1000	211
	1.4	103300	1082	292300	111000	100170	**P**	**042RF107**	**DRE**	**180M4**		1080	208
	1.5	93300	977	302300	111000	100170	**PF**	**042RF107**	**DRE**	**180M4**		890	209
	1.7	84700	887	310100	111000	100170	**PH**	**042RF107**	**DRE**	**180M4**		1090	208
	1.9	75100	787	317900	111000	100170	**PHF**	**042RF107**	**DRE**	**180M4**		900	209
	2.1	68200	714	323000	111000	100170							
	2.4	58600	614	323000	111000	100170							
	1.9	75100	787	215600	86800	69620	**P**	**032RF107**	**DRE**	**180M4**		840	202
	2.1	68200	714	225100	86800	69620	**PF**	**032RF107**	**DRE**	**180M4**		720	203
	2.4	58600	614	236400	86800	69620	**PH**	**032RF107**	**DRE**	**180M4**		860	202
	2.7	51100	536	244100	86800	69620	**PHF**	**032RF107**	**DRE**	**180M4**		740	203
	3.2	43400	455	251000	86800	69620							
	3.0	46400	486	248400	-	69620	**P**	**032RF97**	**DRE**	**180M4**		790	200
							PF	**032RF97**	**DRE**	**180M4**		670	201
							PH	**032RF97**	**DRE**	**180M4**		810	200
							PHF	**032RF97**	**DRE**	**180M4**		690	201
	2.4	58600	614	178700	64200	51190	**P**	**022RF107**	**DRE**	**180M4**		760	196
	2.7	51100	536	190800	64200	51190	**PF**	**022RF107**	**DRE**	**180M4**		660	197
	3.2	43400	455	197000	64200	51190	**PH**	**022RF107**	**DRE**	**180M4**		770	196
	3.7	37900	397	197000	64200	51190	**PHF**	**022RF107**	**DRE**	**180M4**		670	197
	4.4	32000	336	197000	64200	51190							

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	2.6	54700	574	185200	64200	51190	PF	022RF97	DRE	180M4		610	195
	3.0	46400	486	197000	64200	51190	PH	022RF97	DRE	180M4		730	194
	3.5	40500	425	197000	64200	51190	PHF	022RF97	DRE	180M4		620	195
	4.0	34700	364	197000	-	51190							
	4.5	31400	329	197000	-	51190							
	5.3	26600	279	197000	-	51190							
	3.5	40500	425	156000	46200	36810	P	012RF97	DRE	180M4		560	188
	4.0	34700	364	156000	46200	36810	PF	012RF97	DRE	180M4		495	189
	4.5	31400	329	156000	46200	36810	PH	012RF97	DRE	180M4		580	188
	5.3	26600	279	156000	46200	36810	PHF	012RF97	DRE	180M4		510	189
	6.0	23200	244	152500	46200	36810							
	7.2	19400	204	144600	46200	36810							
	8.3	16800	177	138400	46200	36810							
	8.7	16100	169	136600	-	36810							
	10	13600	143	130000	-	36810							
	12	11900	125	124800	-	36810							
	14	9980	105	118300	-	35000							
	3.1	44700	468	156000	46200	36810	P	012RF87	DRE	180M4		510	186
	3.8	37000	388	156000	46200	36810	PF	012RF87	DRE	180M4		445	187
							PH	012RF87	DRE	180M4		530	186
							PHF	012RF87	DRE	180M4		455	187
	6.0	23100	243	120000	29200	24830	P	002RF97	DRE	180M4		485	180
	7.2	19400	203	116900	29200	24830	PF	002RF97	DRE	180M4		425	181
	8.1	17300	181	112900	29200	24830	PH	002RF97	DRE	180M4		485	180
	8.4	16700	176	111900	29200	24830	PHF	002RF97	DRE	180M4		430	181
	9.0	15600	164	109600	29200	24830							
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	12	11500	121	100100	29200	24830							
	14	9690	102	94900	29200	24830							
	17	8390	88	90900	29200	24830							
	5.3	26600	279	114900	29200	24830	P	002RF87	DRE	180M4		435	178
	14	9880	104	95500	-	17400	PF	002RF87	DRE	180M4		375	179
							PH	002RF87	DRE	180M4		435	178
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	0.52	336100	2854	850000	-	500000	PF	102RF167	DRE	180L4		3690	235
	0.65	267400	2271	850000	-	500000	PH	102RF167	DRE	180L4		4710	234
	0.73	236000	2004	850000	-	500000	PHF	102RF167	DRE	180L4		3750	235
	0.95	182000	1546	850000	-	500000							
	1.1	156900	1332	850000	-	500000							
	1.2	140000	1189	850000	631300	500000	P	102RF167	DRE	180L4		4640	234
							PF	102RF167	DRE	180L4		3680	235
							PH	102RF167	DRE	180L4		4700	234
							PHF	102RF167	DRE	180L4		3740	235
	0.40	430600	3656	720000	513900	423000	P	092RF167	DRE	180L4		3790	232
	0.45	383100	3253	720000	513900	423000	PF	092RF167	DRE	180L4		3100	233
	0.51	340600	2891	720000	-	423000	PH	092RF167	DRE	180L4		3800	232
	0.64	271000	2301	720000	-	423000	PHF	092RF167	DRE	180L4		3110	233
	0.72	239100	2031	720000	-	423000							
	0.94	184500	1566	720000	-	423000							
	1.1	159000	1350	720000	-	423000							
	1.2	141900	1205	720000	513900	423000	P	092RF167	DRE	180L4		3790	232
	1.5	113500	964	720000	513900	423000	PF	092RF167	DRE	180L4		3090	233
							PH	092RF167	DRE	180L4		3800	232
							PHF	092RF167	DRE	180L4		3100	233
	0.42	411900	3497	603100	397100	359400	P	082RF167	DRE	180L4		3290	230
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	0.53	325800	2766	681600	397100	359400	PH	082RF167	DRE	180L4		3290	230
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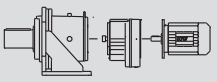
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
18.5	**0.64**	270000	2293	683000	-	359400	**P**	**082RF147**	**DRE**	**180L4**		3040	228
							PF	**082RF147**	**DRE**	**180L4**		2390	229
							PH	**082RF147**	**DRE**	**180L4**		3030	228
							PHF	**082RF147**	**DRE**	**180L4**		2380	229
	0.57	302300	2568	483400	274600	245660	**P**	**072RF167**	**DRE**	**180L4**		2640	226
	0.97	179100	1521	523000	274600	245660	**PF**	**072RF167**	**DRE**	**180L4**		2150	227
							PH	**072RF167**	**DRE**	**180L4**		2690	226
							PHF	**072RF167**	**DRE**	**180L4**		2200	227
	0.63	274000	2328	516600	-	245660	**P**	**072RF147**	**DRE**	**180L4**		2380	224
	0.73	237200	2014	523000	-	245660	**PF**	**072RF147**	**DRE**	**180L4**		1890	225
	0.83	209300	1777	523000	-	245660	**PH**	**072RF147**	**DRE**	**180L4**		2430	224
	0.96	180700	1535	523000	-	245660	**PHF**	**072RF147**	**DRE**	**180L4**		1940	225
	1.1	159800	1358	523000	-	245660							
	1.3	134300	1141	523000	-	245660							
	0.80	215600	1830	414100	209100	185660	**P**	**062RF147**	**DRE**	**180L4**		1960	222
	0.93	186200	1581	438300	209100	185660	**PF**	**062RF147**	**DRE**	**180L4**		1590	223
	1.0	164700	1398	453600	209100	185660	**PH**	**062RF147**	**DRE**	**180L4**		1940	222
	1.2	138400	1175	470000	209100	185660	**PHF**	**062RF147**	**DRE**	**180L4**		1580	223
	1.6	111800	949	473000	209100	185660							
	0.84	205100	1741	423100	209100	185660	**P**	**062RF137**	**DRE**	**180L4**		1840	220
	0.99	174000	1477	447200	209100	185660	**PF**	**062RF137**	**DRE**	**180L4**		1470	221
	1.1	152000	1291	461800	209100	185660	**PH**	**062RF137**	**DRE**	**180L4**		1820	220
	1.4	128600	1092	473000	209100	185660	**PHF**	**062RF137**	**DRE**	**180L4**		1460	221
	1.3	136600	1160	471000	209100	185660	**P**	**062RF137**	**DRE**	**180L4**		1830	220
	1.6	111400	946	473000	209100	185660	**PF**	**062RF137**	**DRE**	**180L4**		1460	221
	1.7	101600	863	473000	209100	185660	**PH**	**062RF137**	**DRE**	**180L4**		1820	220
							PHF	**062RF137**	**DRE**	**180L4**		1450	221
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							PH	**052RF137**	**DRE**	**180L4**		1340	216
							PHF	**052RF137**	**DRE**	**180L4**		1140	217
	1.6	111400	946	364000	140600	124060	**P**	**052RF137**	**DRE**	**180L4**		1340	216
	1.7	101600	863	364000	140600	124060	**PF**	**052RF137**	**DRE**	**180L4**		1140	217
	2.0	87900	747	364000	140600	124060	**PH**	**052RF137**	**DRE**	**180L4**		1330	216
	2.2	77600	659	364000	140600	124060	**PHF**	**052RF137**	**DRE**	**180L4**		1130	217
	2.1	84100	714	364000	140600	124060	**P**	**052RF107**	**DRE**	**180L4**		1240	214
	2.4	72300	614	364000	140600	124060	**PF**	**052RF107**	**DRE**	**180L4**		1040	215
							PH	**052RF107**	**DRE**	**180L4**		1230	214
							PHF	**052RF107**	**DRE**	**180L4**		1030	215
	1.6	111400	946	283300	111000	100170	**P**	**042RF137**	**DRE**	**180L4**		1200	210
	1.7	101600	863	294000	111000	100170	**PF**	**042RF137**	**DRE**	**180L4**		1010	211
	2.0	87900	747	307200	111000	100170	**PH**	**042RF137**	**DRE**	**180L4**		1200	210
	2.6	67000	569	323000	111000	100170	**PHF**	**042RF137**	**DRE**	**180L4**		1010	211
	1.7	104500	887	291000	111000	100170	**P**	**042RF107**	**DRE**	**180L4**		1100	208
	1.9	92700	787	302900	111000	100170	**PF**	**042RF107**	**DRE**	**180L4**		910	209
	2.1	84100	714	310600	111000	100170	**PH**	**042RF107**	**DRE**	**180L4**		1100	208
	2.4	72300	614	320100	111000	100170	**PHF**	**042RF107**	**DRE**	**180L4**		910	209
	2.7	63100	536	323000	111000	100170							
	3.2	53500	455	323000	111000	100170							
	2.1	84100	714	201800	86800	69620	**P**	**032RF107**	**DRE**	**180L4**		850	202
	2.4	72300	614	219600	86800	69620	**PF**	**032RF107**	**DRE**	**180L4**		730	203
	2.7	63100	536	231300	86800	69620	**PH**	**032RF107**	**DRE**	**180L4**		870	202
	3.2	53500	455	241700	86800	69620	**PHF**	**032RF107**	**DRE**	**180L4**		750	203
	3.7	46800	397	248100	86800	69620							
	4.4	39500	336	249100	86800	69620							
	4.5	38700	329	247600	-	69620	**P**	**032RF97**	**DRE**	**180L4**		800	200
	5.3	32800	279	235500	-	69620	**PF**	**032RF97**	**DRE**	**180L4**		680	201
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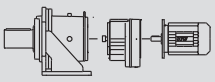
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	4.4	39500	336	197000	64200	51190	PHF	022RF107	DRE	180L4		680	197
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	5.6	30700	261	197000	64200	51190							
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	7.6	22700	193	197000	64200	51190							
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	4.0	42900	364	197000	-	51190	PF	022RF97	DRE	180L4		620	195
	4.5	38700	329	197000	-	51190	PH	022RF97	DRE	180L4		740	194
	5.3	32800	279	197000	-	51190	PHF	022RF97	DRE	180L4		640	195
	6.0	28700	244	197000	-	51190							
	7.2	24000	204	197000	-	51190							
	8.3	20700	177	197000	-	51190							
	8.7	19800	169	197000	-	40000							
	8.5	20200	172	137400	46200	36810	P	012RF107	DRE	180L4		620	190
	9.3	18600	158	133900	46200	36810	PF	012RF107	DRE	180L4		550	191
	11	15700	134	127500	46200	36810	PH	012RF107	DRE	180L4		630	190
	13	13700	117	122400	46200	36810	PHF	012RF107	DRE	180L4		560	191
	4.0	42900	364	156000	46200	36810	P	012RF97	DRE	180L4		570	188
	4.5	38700	329	156000	46200	36810	PF	012RF97	DRE	180L4		500	189
	5.3	32800	279	156000	46200	36810	PH	012RF97	DRE	180L4		590	188
	6.0	28700	244	152500	46200	36810	PHF	012RF97	DRE	180L4		520	189
	7.2	24000	204	144600	46200	36810							
	8.3	20700	177	138400	46200	36810							
	8.7	19800	169	136600	-	36810							
	10	16800	143	130000	-	36810							
	12	14700	125	124800	-	36810							
	14	12300	105	118300	-	35000							
	16	10600	91	113300	-	32100							
	3.8	45700	388	156000	46200	36810	P	012RF87	DRE	180L4		520	186
	4.6	37900	322	156000	46200	36810	PF	012RF87	DRE	180L4		455	187
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							PHF	012RF87	DRE	180L4		470	187
	6.0	28600	243	111700	29200	24830	P	002RF97	DRE	180L4		495	180
	7.2	23900	203	116900	29200	24830	PF	002RF97	DRE	180L4		435	181
	8.4	20700	176	111900	29200	24830	PH	002RF97	DRE	180L4		500	180
	9.0	19300	164	109600	29200	24830	PHF	002RF97	DRE	180L4		440	181
	11	16300	139	104300	29200	24830							
	12	14200	121	100100	29200	24830							
	14	11900	102	94900	29200	24830							
	17	10300	88	90900	29200	24830							
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	0.65	315900	2271	850000	-	500000	PH	102RF167	DRE	180LC4		4720	234
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	1.6	132300	951	850000	631300	500000	PF	102RF167	DRE	180LC4		3690	235
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	0.45	452600	3253	720000	513900	423000	PF	092RF167	DRE	180LC4		3100	233
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	0.64	320100	2301	720000	-	423000	PHF	092RF167	DRE	180LC4		3120	233
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	1.1	187800	1350	720000	-	423000							
	1.2	167600	1205	720000	513900	423000	P	092RF167	DRE	180LC4		3800	232
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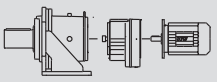
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	0.76	270200	1943	683000	397100	359400	**PHF**	**082RF167**	**DRE**	**180LC4**		2650	231
	0.88	234200	1684	683000	397100	359400							
	0.99	208400	1498	683000	397100	359400							
	1.2	179600	1291	683000	397100	359400							
	0.65	319000	2293	683000	-	359400	**P**	**082RF147**	**DRE**	**180LC4**		3040	228
	0.85	243600	1751	683000	-	359400	**PF**	**082RF147**	**DRE**	**180LC4**		2400	229
	0.98	210300	1512	683000	-	359400	**PH**	**082RF147**	**DRE**	**180LC4**		3040	228
	1.1	186000	1338	683000	-	359400	**PHF**	**082RF147**	**DRE**	**180LC4**		2390	229
	1.3	156300	1141	683000	-	359400							
	0.97	211500	1521	523000	274600	245660	**P**	**072RF167**	**DRE**	**180LC4**		2650	226
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	0.83	247200	1777	523000	-	245660	**PF**	**072RF147**	**DRE**	**180LC4**		1900	225
	1.1	188800	1358	523000	-	245660	**PH**	**072RF147**	**DRE**	**180LC4**		2440	224
	1.3	158700	1141	523000	-	245660	**PHF**	**072RF147**	**DRE**	**180LC4**		1950	225
	1.6	128100	922	523000	-	245660							
	0.94	219900	1581	410200	209100	185660	**P**	**062RF147**	**DRE**	**180LC4**		1960	222
	1.1	194500	1398	431800	209100	185660	**PF**	**062RF147**	**DRE**	**180LC4**		1600	223
	1.3	163400	1175	454400	209100	185660	**PH**	**062RF147**	**DRE**	**180LC4**		1950	222
	1.6	132000	949	473000	209100	185660	**PHF**	**062RF147**	**DRE**	**180LC4**		1590	223
	1.8	111500	802	473000	209100	185660	**P**	**062RF147**	**DRE**	**180LC4**		1950	222
							PF	**062RF147**	**DRE**	**180LC4**		1590	223
							PH	**062RF147**	**DRE**	**180LC4**		1940	222
							PHF	**062RF147**	**DRE**	**180LC4**		1580	223
	1.0	205500	1477	422800	209100	185660	**P**	**062RF137**	**DRE**	**180LC4**		1840	220
	1.4	151800	1092	461900	209100	185660	**PF**	**062RF137**	**DRE**	**180LC4**		1480	221
							PH	**062RF137**	**DRE**	**180LC4**		1830	220
							PHF	**062RF137**	**DRE**	**180LC4**		1470	221
	1.7	120000	863	473000	209100	185660	**P**	**062RF137**	**DRE**	**180LC4**		1840	220
	2.0	103900	747	473000	209100	185660	**PF**	**062RF137**	**DRE**	**180LC4**		1470	221
	2.2	91700	659	473000	209100	185660	**PH**	**062RF137**	**DRE**	**180LC4**		1820	220
							PHF	**062RF137**	**DRE**	**180LC4**		1460	221
	1.6	131600	946	349900	140600	124060	**P**	**052RF137**	**DRE**	**180LC4**		1350	216
	1.7	120000	863	359500	140600	124060	**PF**	**052RF137**	**DRE**	**180LC4**		1150	217
	2.0	103900	747	364000	140600	124060	**PH**	**052RF137**	**DRE**	**180LC4**		1340	216
	2.2	91700	659	364000	140600	124060	**PHF**	**052RF137**	**DRE**	**180LC4**		1140	217
	2.6	79200	569	364000	140600	124060							
	2.9	70000	503	364000	140600	124060							
	2.8	74500	536	364000	140600	124060	**P**	**052RF107**	**DRE**	**180LC4**		1250	214
	3.3	63200	455	364000	140600	124060	**PF**	**052RF107**	**DRE**	**180LC4**		1050	215
							PH	**052RF107**	**DRE**	**180LC4**		1240	214
							PHF	**052RF107**	**DRE**	**180LC4**		1040	215
	2.0	103900	747	291700	111000	100170	**P**	**042RF137**	**DRE**	**180LC4**		1210	210
	2.6	79200	569	314700	111000	100170	**PF**	**042RF137**	**DRE**	**180LC4**		1020	211
	3.5	58800	423	323000	111000	100170	**PH**	**042RF137**	**DRE**	**180LC4**		1210	210
							PHF	**042RF137**	**DRE**	**180LC4**		1020	211
	1.9	109500	787	285500	111000	100170	**P**	**042RF107**	**DRE**	**180LC4**		1100	208
	2.1	99400	714	296400	111000	100170	**PF**	**042RF107**	**DRE**	**180LC4**		910	209
	2.4	85400	614	309500	111000	100170	**PH**	**042RF107**	**DRE**	**180LC4**		1110	208
	2.8	74500	536	318400	111000	100170	**PHF**	**042RF107**	**DRE**	**180LC4**		920	209
	3.3	63200	455	323000	111000	100170							
	3.7	55200	397	323000	111000	100170							
	2.4	85400	614	199600	86800	69620	**P**	**032RF107**	**DRE**	**180LC4**		860	202
	2.8	74500	536	216500	86800	69620	**PF**	**032RF107**	**DRE**	**180LC4**		740	203
	3.3	63200	455	231200	86800	69620	**PH**	**032RF107**	**DRE**	**180LC4**		880	202
	3.7	55200	397	240000	86800	69620	**PHF**	**032RF107**	**DRE**	**180LC4**		760	203
	4.4	46700	336	248200	86800	69620							
	4.8	42800	308	242200	86800	69620							
	5.7	36300	261	230500	86800	69620							
	6.5	31700	228	221300	86800	69620							

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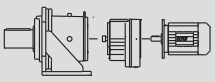
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	3.7	55200	397	184400	64200	51190	**PF**	**022RF107**	**DRE**	**180LC4**		680	197
	4.4	46700	336	197000	64200	51190	**PH**	**022RF107**	**DRE**	**180LC4**		790	196
	4.8	42800	308	197000	64200	51190	**PHF**	**022RF107**	**DRE**	**180LC4**		690	197
	5.7	36300	261	197000	64200	51190							
	6.5	31700	228	197000	64200	51190							
	7.7	26800	193	197000	64200	51190							
	8.6	23900	172	197000	64200	51190							
	9.4	21900	158	197000	64200	51190							
	3.5	59000	425	177900	64200	51190	**P**	**022RF97**	**DRE**	**180LC4**		730	194
	4.5	45800	329	197000	-	51190	**PF**	**022RF97**	**DRE**	**180LC4**		630	195
	5.3	38800	279	197000	-	51190	**PH**	**022RF97**	**DRE**	**180LC4**		750	194
	6.1	33900	244	197000	-	51190	**PHF**	**022RF97**	**DRE**	**180LC4**		640	195
	7.3	28300	204	197000	-	51190							
	8.4	24500	177	197000	-	51190							
	8.6	23900	172	137200	46200	36810	**P**	**012RF107**	**DRE**	**180LC4**		630	190
	9.4	21900	158	133600	46200	36810	**PF**	**012RF107**	**DRE**	**180LC4**		560	191
	11	18600	134	127200	46200	36810	**PH**	**012RF107**	**DRE**	**180LC4**		640	190
	13	16200	117	122100	46200	36810	**PHF**	**012RF107**	**DRE**	**180LC4**		570	191
	15	13700	99	116200	46200	36810							
	4.5	45800	329	156000	46200	36810	**P**	**012RF97**	**DRE**	**180LC4**		580	188
	5.3	38800	279	156000	46200	36810	**PF**	**012RF97**	**DRE**	**180LC4**		510	189
	6.1	33900	244	152200	46200	36810	**PH**	**012RF97**	**DRE**	**180LC4**		600	188
	7.3	28300	204	144300	46200	36810	**PHF**	**012RF97**	**DRE**	**180LC4**		530	189
	8.4	24500	177	138200	46200	36810							
	8.8	23400	169	136300	-	36810							
	10	19900	143	129700	-	36810							
	12	17300	125	124600	-	36810							
	14	14500	105	118100	-	35000							
	16	12500	91	113100	-	32100							
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							PF	**012RF87**	**DRE**	**180LC4**		465	187
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							PHF	**012RF87**	**DRE**	**180LC4**		475	187
	7.3	28200	203	112300	29200	24830	**P**	**002RF97**	**DRE**	**180LC4**		500	180
	8.2	25200	181	112700	29200	24830	**PF**	**002RF97**	**DRE**	**180LC4**		445	181
	9.0	22800	164	109400	29200	24830	**PH**	**002RF97**	**DRE**	**180LC4**		510	180
	11	19300	139	104100	29200	24830	**PHF**	**002RF97**	**DRE**	**180LC4**		450	181
	12	16800	121	99900	29200	24830							
	15	14100	102	94700	29200	24830							
	17	12200	88	90700	29200	24830							
	7.1	28800	207	111300	29200	24830	**P**	**002RF87**	**DRE**	**180LC4**		455	178
							PF	**002RF87**	**DRE**	**180LC4**		395	179
							PH	**002RF87**	**DRE**	**180LC4**		455	178
							PHF	**002RF87**	**DRE**	**180LC4**		400	179
30	**0.46**	611100	3210	804000	631300	500000	**P**	**102RF167**	**DRE**	**200L4**		4760	234
	0.52	543200	2854	850000	-	500000	**PF**	**102RF167**	**DRE**	**200L4**		3800	235
	0.65	432200	2271	850000	-	500000	**PH**	**102RF167**	**DRE**	**200L4**		4820	234
	0.74	381400	2004	850000	-	500000	**PHF**	**102RF167**	**DRE**	**200L4**		3860	235
	0.95	294200	1546	850000	-	500000							
	1.1	253600	1332	850000	-	500000							
	1.2	226300	1189	850000	631300	500000	**P**	**102RF167**	**DRE**	**200L4**		4750	234
	1.6	181000	951	850000	631300	500000	**PF**	**102RF167**	**DRE**	**200L4**		3790	235
	1.7	161000	846	850000	631300	500000	**PH**	**102RF167**	**DRE**	**200L4**		4810	234
	2.0	140200	737	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**200L4**		3850	235
	2.2	125100	657	850000	631300	500000							
	0.64	438000	2301	720000	-	423000	**P**	**092RF167**	**DRE**	**200L4**		3900	232
	0.73	386500	2031	720000	-	423000	**PF**	**092RF167**	**DRE**	**200L4**		3200	233
	0.94	298100	1566	720000	-	423000	**PH**	**092RF167**	**DRE**	**200L4**		3910	232
	1.1	257000	1350	720000	-	423000	**PHF**	**092RF167**	**DRE**	**200L4**		3220	233

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
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	1.7	163100	857	720000	513900	423000	**PH**	**092RF167**	**DRE**	**200L4**		3910	232
	2.0	142100	747	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**200L4**		3210	233
	2.2	126800	666	720000	513900	423000							
	2.6	108100	568	720000	513900	423000							
	0.67	419000	2201	595400	397100	359400	**P**	**082RF167**	**DRE**	**200L4**		3400	230
	0.76	369700	1943	645100	397100	359400	**PF**	**082RF167**	**DRE**	**200L4**		2750	231
	0.88	320500	1684	683000	397100	359400	**PH**	**082RF167**	**DRE**	**200L4**		3400	230
	0.98	285200	1498	683000	397100	359400	**PHF**	**082RF167**	**DRE**	**200L4**		2750	231
	1.1	245800	1291	683000	397100	359400							
	1.4	199700	1049	683000	397100	359400							
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	1.4	202700	1065	523000	274600	245660	**PF**	**072RF167**	**DRE**	**200L4**		2260	227
							PH	**072RF167**	**DRE**	**200L4**		2800	226
							PHF	**072RF167**	**DRE**	**200L4**		2310	227
	1.1	258400	1358	523000	-	245660	**P**	**072RF147**	**DRE**	**200L4**		2490	224
	1.3	217100	1141	523000	-	245660	**PF**	**072RF147**	**DRE**	**200L4**		2000	225
	1.6	175400	922	523000	-	245660	**PH**	**072RF147**	**DRE**	**200L4**		2540	224
							PHF	**072RF147**	**DRE**	**200L4**		2050	225
	1.9	148100	779	523000	274600	245660	**P**	**072RF147**	**DRE**	**200L4**		2470	224
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							PHF	**072RF147**	**DRE**	**200L4**		2040	225
	1.6	180600	949	442400	209100	185660	**P**	**062RF147**	**DRE**	**200L4**		2060	222
							PF	**062RF147**	**DRE**	**200L4**		1700	223
							PH	**062RF147**	**DRE**	**200L4**		2050	222
							PHF	**062RF147**	**DRE**	**200L4**		1690	223
	1.8	152600	802	461400	209100	185660	**P**	**062RF147**	**DRE**	**200L4**		2050	222
	2.1	134700	708	472100	209100	185660	**PF**	**062RF147**	**DRE**	**200L4**		1690	223
	2.4	116700	614	473000	209100	185660	**PH**	**062RF147**	**DRE**	**200L4**		2040	222
							PHF	**062RF147**	**DRE**	**200L4**		1680	223
	1.4	207800	1092	420900	209100	185660	**P**	**062RF137**	**DRE**	**200L4**		1940	220
							PF	**062RF137**	**DRE**	**200L4**		1580	221
							PH	**062RF137**	**DRE**	**200L4**		1930	220
							PHF	**062RF137**	**DRE**	**200L4**		1570	221
	1.7	164300	863	453900	209100	185660	**P**	**062RF137**	**DRE**	**200L4**		1930	220
	2.0	142200	747	467800	209100	185660	**PF**	**062RF137**	**DRE**	**200L4**		1570	221
	2.2	125400	659	473000	209100	185660	**PH**	**062RF137**	**DRE**	**200L4**		1920	220
	2.6	108300	569	473000	209100	185660	**PHF**	**062RF137**	**DRE**	**200L4**		1560	221
	2.9	95800	503	473000	209100	185660							
	2.0	142200	747	340400	140600	124060	**P**	**052RF137**	**DRE**	**200L4**		1450	216
	2.2	125400	659	355200	140600	124060	**PF**	**052RF137**	**DRE**	**200L4**		1250	217
	2.6	108300	569	364000	140600	124060	**PH**	**052RF137**	**DRE**	**200L4**		1440	216
	2.9	95800	503	364000	140600	124060	**PHF**	**052RF137**	**DRE**	**200L4**		1240	217
	3.5	80500	423	364000	140600	124060							
	2.1	136000	714	346100	140600	124060	**P**	**052RF107**	**DRE**	**200L4**		1350	214
							PF	**052RF107**	**DRE**	**200L4**		1150	215
							PH	**052RF107**	**DRE**	**200L4**		1340	214
							PHF	**052RF107**	**DRE**	**200L4**		1140	215
	2.6	108300	569	286800	111000	100170	**P**	**042RF137**	**DRE**	**200L4**		1300	210
	3.5	80500	423	313600	111000	100170	**PF**	**042RF137**	**DRE**	**200L4**		1120	211
	4.3	65000	342	308800	111000	100170	**PH**	**042RF137**	**DRE**	**200L4**		1310	210
	5.0	56600	298	296400	111000	100170	**PHF**	**042RF137**	**DRE**	**200L4**		1120	211
	5.9	47600	250	281400	111000	100170							
	2.8	102000	536	293700	111000	100170	**P**	**042RF107**	**DRE**	**200L4**		1200	208
	3.2	86500	455	308500	111000	100170	**PF**	**042RF107**	**DRE**	**200L4**		1010	209
	3.7	75600	397	317600	111000	100170	**PH**	**042RF107**	**DRE**	**200L4**		1210	208
	4.4	63900	336	307300	111000	100170	**PHF**	**042RF107**	**DRE**	**200L4**		1020	209
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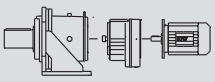
SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
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[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	3.7	75600	397	215000	86800	69620	**PF**	**032RF107**	**DRE**	**200L4**		840	203
	4.4	63900	336	230300	86800	69620	**PH**	**032RF107**	**DRE**	**200L4**		980	202
	4.8	58600	308	236400	86800	69620	**PHF**	**032RF107**	**DRE**	**200L4**		860	203
	5.6	49700	261	230700	86800	69620							
	6.4	43400	228	221600	86800	69620							
	7.6	36700	193	210800	86800	69620							
	8.6	32700	172	203600	-	69620							
	9.3	30000	158	198300	-	58500							
	11	25500	134	188800	-	58500							
	13	22200	117	181300	-	58500							
	15	18800	99	172400	-	57100							
	16	17200	91	167800	-	32100	**P**	**032RF97**	**DRE**	**200L4**		910	200
							PF	**032RF97**	**DRE**	**200L4**		790	201
							PH	**032RF97**	**DRE**	**200L4**		930	200
							PHF	**032RF97**	**DRE**	**200L4**		810	201
	4.4	63900	336	168800	64200	51190	**P**	**022RF107**	**DRE**	**200L4**		880	196
	4.8	58600	308	178700	64200	51190	**PF**	**022RF107**	**DRE**	**200L4**		770	197
	5.6	49700	261	192900	64200	51190	**PH**	**022RF107**	**DRE**	**200L4**		890	196
	6.4	43400	228	197000	64200	51190	**PHF**	**022RF107**	**DRE**	**200L4**		790	197
	7.6	36700	193	197000	64200	51190							
	8.6	32700	172	197000	64200	51190							
	9.3	30000	158	197000	64200	51190							
	8.6	32700	172	137300	46200	36810	**P**	**012RF107**	**DRE**	**200L4**		730	190
	9.3	30000	158	133800	46200	36810	**PF**	**012RF107**	**DRE**	**200L4**		660	191
	11	25500	134	127300	46200	36810	**PH**	**012RF107**	**DRE**	**200L4**		740	190
	13	22200	117	122300	46200	36810	**PHF**	**012RF107**	**DRE**	**200L4**		670	191
	15	18800	99	116300	46200	36810							
	7.2	38800	204	144400	46200	36810	**P**	**012RF97**	**DRE**	**200L4**		680	188
	16	17200	91	113200	-	32100	**PF**	**012RF97**	**DRE**	**200L4**		610	189
							PH	**012RF97**	**DRE**	**200L4**		700	188
							PHF	**012RF97**	**DRE**	**200L4**		630	189
	11	24700	130	102100	29200	24830	**P**	**002RF107**	**DRE**	**200L4**		650	182
	13	21600	114	98100	29200	24830	**PF**	**002RF107**	**DRE**	**200L4**		590	183
	15	18300	96	93300	29200	24830	**PH**	**002RF107**	**DRE**	**200L4**		650	182
							PHF	**002RF107**	**DRE**	**200L4**		590	183
	11	26400	139	104200	29200	24830	**P**	**002RF97**	**DRE**	**200L4**		600	180
	17	16700	88	90800	29200	24830	**PF**	**002RF97**	**DRE**	**200L4**		540	181
							PH	**002RF97**	**DRE**	**200L4**		610	180
							PHF	**002RF97**	**DRE**	**200L4**		550	181
37	**0.65**	532400	2271	850000	-	500000	**P**	**102RF167**	**DRE**	**225S4**		4790	234
	0.74	469800	2004	850000	-	500000	**PF**	**102RF167**	**DRE**	**225S4**		3830	235
	0.96	362400	1546	850000	-	500000	**PH**	**102RF167**	**DRE**	**225S4**		4850	234
	1.1	312300	1332	850000	-	500000	**PHF**	**102RF167**	**DRE**	**225S4**		3890	235
	1.2	278700	1189	850000	631300	500000	**P**	**102RF167**	**DRE**	**225S4**		4780	234
	1.6	223000	951	850000	631300	500000	**PF**	**102RF167**	**DRE**	**225S4**		3820	235
	1.8	198300	846	850000	631300	500000	**PH**	**102RF167**	**DRE**	**225S4**		4840	234
	2.0	172700	737	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**225S4**		3880	235
	2.2	154100	657	850000	631300	500000							
	2.6	131400	561	850000	631300	500000							
	0.73	476100	2031	706100	-	423000	**P**	**092RF167**	**DRE**	**225S4**		3930	232
	0.94	367200	1566	720000	-	423000	**PF**	**092RF167**	**DRE**	**225S4**		3240	233
	1.1	316500	1350	720000	-	423000	**PH**	**092RF167**	**DRE**	**225S4**		3950	232
							PHF	**092RF167**	**DRE**	**225S4**		3250	233
	1.2	282500	1205	720000	513900	423000	**P**	**092RF167**	**DRE**	**225S4**		3930	232
	1.5	226000	964	720000	513900	423000	**PF**	**092RF167**	**DRE**	**225S4**		3230	233
	1.7	200900	857	720000	513900	423000	**PH**	**092RF167**	**DRE**	**225S4**		3940	232
	2.0	175100	747	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**225S4**		3240	233
	2.2	156200	666	720000	513900	423000							
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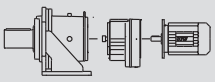
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	0.99	351200	1498	661600	397100	359400	**PF**	**082RF167**	**DRE**	**225S4**		2780	231
	1.1	302700	1291	683000	397100	359400	**PH**	**082RF167**	**DRE**	**225S4**		3430	230
	1.4	246000	1049	683000	397100	359400	**PHF**	**082RF167**	**DRE**	**225S4**		2780	231
	1.7	208600	890	683000	397100	359400							
	1.8	192200	820	683000	397100	359400	**P**	**082RF167**	**DRE**	**225S4**		3430	230
							PF	**082RF167**	**DRE**	**225S4**		2780	231
							PH	**082RF167**	**DRE**	**225S4**		3420	230
							PHF	**082RF167**	**DRE**	**225S4**		2770	231
	1.4	249600	1065	523000	274600	245660	**P**	**072RF167**	**DRE**	**225S4**		2780	226
							PF	**072RF167**	**DRE**	**225S4**		2290	227
							PH	**072RF167**	**DRE**	**225S4**		2830	226
							PHF	**072RF167**	**DRE**	**225S4**		2340	227
	1.6	216000	922	523000	-	245660	**P**	**072RF147**	**DRE**	**225S4**		2520	224
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							PH	**072RF147**	**DRE**	**225S4**		2570	224
							PHF	**072RF147**	**DRE**	**225S4**		2080	225
	1.9	182500	779	523000	274600	245660	**P**	**072RF147**	**DRE**	**225S4**		2510	224
	2.2	161000	687	523000	274600	245660	**PF**	**072RF147**	**DRE**	**225S4**		2020	225
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	1.8	188000	802	436900	209100	185660	**P**	**062RF147**	**DRE**	**225S4**		2080	222
	2.1	165900	708	452800	209100	185660	**PF**	**062RF147**	**DRE**	**225S4**		1720	223
	2.4	143800	614	466800	209100	185660	**PH**	**062RF147**	**DRE**	**225S4**		2070	222
	2.7	127900	546	473000	209100	185660	**PHF**	**062RF147**	**DRE**	**225S4**		1710	223
	1.7	202300	863	425500	209100	185660	**P**	**062RF137**	**DRE**	**225S4**		1970	220
	2.0	175100	747	446400	209100	185660	**PF**	**062RF137**	**DRE**	**225S4**		1600	221
	2.2	154500	659	460200	209100	185660	**PH**	**062RF137**	**DRE**	**225S4**		1960	220
	2.6	133400	569	472800	209100	185660	**PHF**	**062RF137**	**DRE**	**225S4**		1590	221
	2.9	118000	503	473000	209100	185660							
	3.5	99200	423	473000	209100	185660							
	2.6	133400	569	348300	140600	124060	**P**	**052RF137**	**DRE**	**225S4**		1480	216
	2.9	118000	503	361100	140600	124060	**PF**	**052RF137**	**DRE**	**225S4**		1280	217
	3.5	99200	423	364000	140600	124060	**PH**	**052RF137**	**DRE**	**225S4**		1480	216
	4.3	80100	342	356100	140600	124060	**PHF**	**052RF137**	**DRE**	**225S4**		1280	217
	2.8	125600	536	355000	140600	124060	**P**	**052RF107**	**DRE**	**225S4**		1380	214
							PF	**052RF107**	**DRE**	**225S4**		1180	215
							PH	**052RF107**	**DRE**	**225S4**		1370	214
							PHF	**052RF107**	**DRE**	**225S4**		1170	215
	3.5	99200	423	296600	111000	100170	**P**	**042RF137**	**DRE**	**225S4**		1340	210
	4.3	80100	342	308800	111000	100170	**PF**	**042RF137**	**DRE**	**225S4**		1150	211
	5.0	69800	298	296300	111000	100170	**PH**	**042RF137**	**DRE**	**225S4**		1340	210
	5.9	58600	250	281200	111000	100170	**PHF**	**042RF137**	**DRE**	**225S4**		1150	211
	7.3	47400	202	263700	111000	100170							
	3.2	106600	455	288800	111000	100170	**P**	**042RF107**	**DRE**	**225S4**		1240	208
	3.7	93100	397	302500	111000	100170	**PF**	**042RF107**	**DRE**	**225S4**		1050	209
	4.4	78700	336	307100	111000	100170	**PH**	**042RF107**	**DRE**	**225S4**		1240	208
							PHF	**042RF107**	**DRE**	**225S4**		1050	209
	8.4	41000	175	204500	86800	69620	**P**	**032RF137**	**DRE**	**225S4**		1090	204
	9.7	35700	153	196300	86800	69620	**PF**	**032RF137**	**DRE**	**225S4**		970	205
							PH	**032RF137**	**DRE**	**225S4**		1110	204
							PHF	**032RF137**	**DRE**	**225S4**		990	205
	4.4	78700	336	210300	86800	69620	**P**	**032RF107**	**DRE**	**225S4**		990	202
	4.8	72200	308	219700	86800	69620	**PF**	**032RF107**	**DRE**	**225S4**		870	203
	5.6	61200	261	230600	86800	69620	**PH**	**032RF107**	**DRE**	**225S4**		1010	202
	6.5	53500	228	221500	86800	69620	**PHF**	**032RF107**	**DRE**	**225S4**		890	203
	7.6	45300	193	210700	86800	69620							
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	13	27400	117	181300	-	58500							
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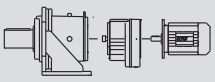
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
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	7.6	45300	193	197000	64200	51190	**PH**	**022RF107**	**DRE**	**225S4**		920	196
	8.6	40300	172	197000	64200	51190	**PHF**	**022RF107**	**DRE**	**225S4**		820	197
	9.4	37000	158	197000	64200	51190							
	8.6	40300	172	137200	46200	36810	**P**	**012RF107**	**DRE**	**225S4**		760	190
	9.4	37000	158	133700	46200	36810	**PF**	**012RF107**	**DRE**	**225S4**		690	191
	11	31400	134	127300	46200	36810	**PH**	**012RF107**	**DRE**	**225S4**		770	190
	13	27400	117	122200	46200	36810	**PHF**	**012RF107**	**DRE**	**225S4**		700	191
	15	23200	99	116200	46200	36810							
	8.4	41300	177	138300	46200	36810	**P**	**012RF97**	**DRE**	**225S4**		720	188
							PF	**012RF97**	**DRE**	**225S4**		650	189
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							PHF	**012RF97**	**DRE**	**225S4**		660	189
	13	26600	114	98100	29200	24830	**P**	**002RF107**	**DRE**	**225S4**		680	182
							PF	**002RF107**	**DRE**	**225S4**		620	183
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							PHF	**002RF107**	**DRE**	**225S4**		630	183
	12	28400	121	100000	29200	24830	**P**	**002RF97**	**DRE**	**225S4**		640	180
							PF	**002RF97**	**DRE**	**225S4**		580	181
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							PHF	**002RF97**	**DRE**	**225S4**		580	181
45	**0.74**	571000	2004	834400	-	500000	**P**	**102RF167**	**DRE**	**225M4**		4810	234
	0.96	440400	1546	850000	-	500000	**PF**	**102RF167**	**DRE**	**225M4**		3850	235
	1.1	379600	1332	850000	-	500000	**PH**	**102RF167**	**DRE**	**225M4**		4870	234
							PHF	**102RF167**	**DRE**	**225M4**		3910	235
	1.2	338800	1189	850000	631300	500000	**P**	**102RF167**	**DRE**	**225M4**		4800	234
	1.6	271000	951	850000	631300	500000	**PF**	**102RF167**	**DRE**	**225M4**		3840	235
	1.8	241000	846	850000	631300	500000	**PH**	**102RF167**	**DRE**	**225M4**		4860	234
	2.0	210000	737	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**225M4**		3900	235
	2.2	187300	657	850000	631300	500000							
	2.6	159700	561	850000	631300	500000							
	3.2	132300	464	850000	631300	500000							
	0.94	446300	1566	720000	-	423000	**P**	**092RF167**	**DRE**	**225M4**		3950	232
	1.1	384700	1350	720000	-	423000	**PF**	**092RF167**	**DRE**	**225M4**		3260	233
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							PHF	**092RF167**	**DRE**	**225M4**		3270	233
	1.2	343300	1205	720000	513900	423000	**P**	**092RF167**	**DRE**	**225M4**		3950	232
	1.5	274600	964	720000	513900	423000	**PF**	**092RF167**	**DRE**	**225M4**		3250	233
	1.7	244200	857	720000	513900	423000	**PH**	**092RF167**	**DRE**	**225M4**		3960	232
	2.0	212800	747	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**225M4**		3260	233
	2.2	189800	666	720000	513900	423000							
	2.6	161800	568	720000	513900	423000							
	3.1	134100	470	720000	513900	423000							
	3.7	114400	402	720000	513900	423000							
	1.1	368000	1291	646700	397100	359400	**P**	**082RF167**	**DRE**	**225M4**		3450	230
	1.4	299000	1049	683000	397100	359400	**PF**	**082RF167**	**DRE**	**225M4**		2800	231
	1.7	253500	890	683000	397100	359400	**PH**	**082RF167**	**DRE**	**225M4**		3450	230
							PHF	**082RF167**	**DRE**	**225M4**		2800	231
	1.8	233600	820	683000	397100	359400	**P**	**082RF167**	**DRE**	**225M4**		3450	230
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	2.3	181600	637	683000	397100	359400	**PH**	**082RF167**	**DRE**	**225M4**		3440	230
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	1.6	262500	922	523000	-	245660	**P**	**072RF147**	**DRE**	**225M4**		2540	224
							PF	**072RF147**	**DRE**	**225M4**		2050	225
							PH	**072RF147**	**DRE**	**225M4**		2590	224
							PHF	**072RF147**	**DRE**	**225M4**		2100	225
	1.9	221800	779	523000	274600	245660	**P**	**072RF147**	**DRE**	**225M4**		2520	224
	2.2	195700	687	523000	274600	245660	**PF**	**072RF147**	**DRE**	**225M4**		2030	225
	2.8	150900	530	523000	274600	245660	**PH**	**072RF147**	**DRE**	**225M4**		2580	224
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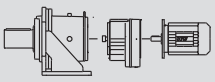
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
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	2.4	174800	614	446600	209100	185660	**PF**	**062RF147**	**DRE**	**225M4**	1740	223
	2.7	155500	546	459600	209100	185660	**PH**	**062RF147**	**DRE**	**225M4**	2090	222
	3.9	108900	382	460100	209100	185660	**PHF**	**062RF147**	**DRE**	**225M4**	1730	223
	4.6	92300	324	438000	209100	185660						
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	2.2	187800	659	437000	209100	185660	**P**	**062RF137**	**DRE**	**225M4**	1980	220
	2.6	162200	569	455300	209100	185660	**PF**	**062RF137**	**DRE**	**225M4**	1620	221
	2.9	143400	503	467000	209100	185660	**PH**	**062RF137**	**DRE**	**225M4**	1970	220
	3.5	120500	423	473000	209100	185660	**PHF**	**062RF137**	**DRE**	**225M4**	1610	221
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	4.3	97300	342	356100	140600	124060	**PF**	**052RF137**	**DRE**	**225M4**	1300	217
							PH	**052RF137**	**DRE**	**225M4**	1490	216
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	3.2	129500	455	351700	140600	124060	**P**	**052RF107**	**DRE**	**225M4**	1400	214
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							PHF	**052RF107**	**DRE**	**225M4**	1190	215
	7.5	55800	196	261300	111000	100170	**P**	**042RF147**	**DRE**	**225M4**	1470	212
							PF	**042RF147**	**DRE**	**225M4**	1280	213
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							PHF	**042RF147**	**DRE**	**225M4**	1290	213
	4.3	97300	342	298400	111000	100170	**P**	**042RF137**	**DRE**	**225M4**	1360	210
	5.0	84800	298	296300	111000	100170	**PF**	**042RF137**	**DRE**	**225M4**	1170	211
	5.9	71300	250	281200	111000	100170	**PH**	**042RF137**	**DRE**	**225M4**	1360	210
	7.3	57600	202	263700	111000	100170	**PHF**	**042RF137**	**DRE**	**225M4**	1170	211
	5.9	71300	250	221000	86800	69620	**P**	**032RF137**	**DRE**	**225M4**	1110	204
	7.3	57600	202	213500	86800	69620	**PF**	**032RF137**	**DRE**	**225M4**	990	205
	8.4	49900	175	204500	86800	69620	**PH**	**032RF137**	**DRE**	**225M4**	1130	204
	9.7	43500	153	196200	86800	69620	**PHF**	**032RF137**	**DRE**	**225M4**	1010	205
	12	36500	128	186200	86800	69620						
	14	29500	104	174700	86800	69620						
	5.6	74500	261	216600	86800	69620	**P**	**032RF107**	**DRE**	**225M4**	1010	202
	6.5	65100	228	221400	86800	69620	**PF**	**032RF107**	**DRE**	**225M4**	890	203
	7.6	55000	193	210600	86800	69620	**PH**	**032RF107**	**DRE**	**225M4**	1030	202
							PHF	**032RF107**	**DRE**	**225M4**	910	203
	8.4	49900	175	192700	64200	51190	**P**	**022RF137**	**DRE**	**225M4**	1030	198
	9.7	43500	153	197000	64200	51190	**PF**	**022RF137**	**DRE**	**225M4**	930	199
	12	36500	128	197000	64200	51190	**PH**	**022RF137**	**DRE**	**225M4**	1040	198
							PHF	**022RF137**	**DRE**	**225M4**	940	199
	7.6	55000	193	184800	64200	51190	**P**	**022RF107**	**DRE**	**225M4**	930	196
	13	33300	117	191800	-	51190	**PF**	**022RF107**	**DRE**	**225M4**	820	197
	15	28200	99	182400	-	51190	**PH**	**022RF107**	**DRE**	**225M4**	940	196
							PHF	**022RF107**	**DRE**	**225M4**	840	197
	9.4	45000	158	133700	46200	36810	**P**	**012RF107**	**DRE**	**225M4**	780	190
	11	38100	134	127200	46200	36810	**PF**	**012RF107**	**DRE**	**225M4**	710	191
	13	33300	117	122200	46200	36810	**PH**	**012RF107**	**DRE**	**225M4**	790	190
	15	28200	99	116200	46200	36810	**PHF**	**012RF107**	**DRE**	**225M4**	720	191
	15	27400	96	93200	29200	24830	**P**	**002RF107**	**DRE**	**225M4**	700	182
							PF	**002RF107**	**DRE**	**225M4**	640	183
							PH	**002RF107**	**DRE**	**225M4**	700	182
							PHF	**002RF107**	**DRE**	**225M4**	640	183
	15	28900	102	94800	29200	24830	**P**	**002RF97**	**DRE**	**225M4**	650	180
	17	25000	88	90700	29200	24830	**PF**	**002RF97**	**DRE**	**225M4**	600	181
							PH	**002RF97**	**DRE**	**225M4**	660	180
							PHF	**002RF97**	**DRE**	**225M4**	600	181
55	**0.95**	539400	1546	850000	-	500000	**P**	**102RF167**	**DRE**	**250M4**	4940	234
	1.1	465000	1332	850000	-	500000	**PF**	**102RF167**	**DRE**	**250M4**	3990	235
							PH	**102RF167**	**DRE**	**250M4**	5000	234
							PHF	**102RF167**	**DRE**	**250M4**	4050	235

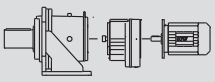
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
55	**1.6**	331900	951	850000	631300	500000	**P**	**102RF167**	**DRE**	**250M4**		4930	234
	1.7	295200	846	850000	631300	500000	**PF**	**102RF167**	**DRE**	**250M4**		3980	235
	2.0	257200	737	850000	631300	500000	**PH**	**102RF167**	**DRE**	**250M4**		5000	234
	2.2	229500	657	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**250M4**		4040	235
	2.6	195600	561	850000	631300	500000							
	3.2	162000	464	850000	631300	500000							
	3.7	138300	396	850000	631300	500000							
	1.1	471100	1350	711200	-	423000	**P**	**092RF167**	**DRE**	**250M4**		4090	232
							PF	**092RF167**	**DRE**	**250M4**		3390	233
							PH	**092RF167**	**DRE**	**250M4**		4100	232
							PHF	**092RF167**	**DRE**	**250M4**		3400	233
	1.5	336300	964	720000	513900	423000	**P**	**092RF167**	**DRE**	**250M4**		4080	232
	1.7	299100	857	720000	513900	423000	**PF**	**092RF167**	**DRE**	**250M4**		3380	233
	2.0	260600	747	720000	513900	423000	**PH**	**092RF167**	**DRE**	**250M4**		4090	232
	2.2	232500	666	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**250M4**		3400	233
	2.6	198100	568	720000	513900	423000							
	3.1	164200	470	720000	513900	423000							
	3.7	140100	402	720000	513900	423000							
	1.4	366200	1049	648300	397100	359400	**P**	**082RF167**	**DRE**	**250M4**		3590	230
	1.7	310500	890	683000	397100	359400	**PF**	**082RF167**	**DRE**	**250M4**		2940	231
							PH	**082RF167**	**DRE**	**250M4**		3580	230
							PHF	**082RF167**	**DRE**	**250M4**		2930	231
	1.8	286100	820	683000	397100	359400	**P**	**082RF167**	**DRE**	**250M4**		3580	230
	2.1	249300	714	683000	397100	359400	**PF**	**082RF167**	**DRE**	**250M4**		2930	231
	2.3	222400	637	683000	397100	359400	**PH**	**082RF167**	**DRE**	**250M4**		3580	230
	2.7	189600	543	683000	397100	359400	**PHF**	**082RF167**	**DRE**	**250M4**		2930	231
	2.5	204800	587	683000	397100	359400	**P**	**082RF147**	**DRE**	**250M4**		3320	228
	2.8	182200	522	683000	397100	359400	**PF**	**082RF147**	**DRE**	**250M4**		2670	229
							PH	**082RF147**	**DRE**	**250M4**		3310	228
							PHF	**082RF147**	**DRE**	**250M4**		2660	229
	1.9	271700	779	519200	274600	245660	**P**	**072RF147**	**DRE**	**250M4**		2660	224
	2.2	239700	687	523000	274600	245660	**PF**	**072RF147**	**DRE**	**250M4**		2170	225
	2.8	184900	530	523000	274600	245660	**PH**	**072RF147**	**DRE**	**250M4**		2710	224
	3.2	159400	457	523000	274600	245660	**PHF**	**072RF147**	**DRE**	**250M4**		2220	225
	4.0	129500	371	523000	274600	245660							
	2.4	214000	614	415500	209100	185660	**P**	**062RF147**	**DRE**	**250M4**		2240	222
	2.7	190400	546	435000	209100	185660	**PF**	**062RF147**	**DRE**	**250M4**		1870	223
	3.9	133300	382	460500	209100	185660	**PH**	**062RF147**	**DRE**	**250M4**		2230	222
	4.6	113100	324	438300	209100	185660	**PHF**	**062RF147**	**DRE**	**250M4**		1860	223
	5.2	99200	284	421300	209100	185660							
	6.4	80600	231	396000	209100	185660							
	2.6	198600	569	428500	209100	185660	**P**	**062RF137**	**DRE**	**250M4**		2120	220
	2.9	175700	503	446000	209100	185660	**PF**	**062RF137**	**DRE**	**250M4**		1760	221
	3.5	147600	423	464500	209100	185660	**PH**	**062RF137**	**DRE**	**250M4**		2110	220
	4.3	119200	342	445200	209100	185660	**PHF**	**062RF137**	**DRE**	**250M4**		1740	221
	5.0	103900	298	427400	-	185660							
	6.4	80600	231	316800	140600	124060	**P**	**052RF147**	**DRE**	**250M4**		1750	218
	7.5	68400	196	301400	140600	124060	**PF**	**052RF147**	**DRE**	**250M4**		1550	219
							PH	**052RF147**	**DRE**	**250M4**		1740	218
							PHF	**052RF147**	**DRE**	**250M4**		1540	219
	4.3	119200	342	356100	140600	124060	**P**	**052RF137**	**DRE**	**250M4**		1640	216
	5.0	103900	298	341900	140600	124060	**PF**	**052RF137**	**DRE**	**250M4**		1440	217
	5.9	87300	250	324500	140600	124060	**PH**	**052RF137**	**DRE**	**250M4**		1630	216
	6.8	75600	217	310800	-	124060	**PHF**	**052RF137**	**DRE**	**250M4**		1430	217
	7.3	70500	202	304300	140600	124060							
	7.5	68400	196	261400	111000	100170	**P**	**042RF147**	**DRE**	**250M4**		1610	212
	8.9	57900	166	248800	111000	100170	**PF**	**042RF147**	**DRE**	**250M4**		1420	213
	10	50800	146	239200	111000	100170	**PH**	**042RF147**	**DRE**	**250M4**		1610	212
	12	41300	118	224800	111000	100170	**PHF**	**042RF147**	**DRE**	**250M4**		1420	213
	15	35000	101	213900	111000	100170							

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
55	**5.0**	103900	298	291700	111000	100170	**P**	**042RF137**	**DRE**	**250M4**		1490	210
	5.9	87300	250	281400	111000	100170	**PF**	**042RF137**	**DRE**	**250M4**		1300	211
	7.3	70500	202	263800	111000	100170	**PH**	**042RF137**	**DRE**	**250M4**		1490	210
	8.4	61100	175	252800	111000	100170	**PHF**	**042RF137**	**DRE**	**250M4**		1300	211
	9.7	53200	153	242600	-	100170							
	12	44700	128	230200	-	100170							
	14	36100	104	216000	-	90600							
	7.3	70500	202	213600	86800	69620	**P**	**032RF137**	**DRE**	**250M4**		1240	204
	8.4	61100	175	204600	86800	69620	**PF**	**032RF137**	**DRE**	**250M4**		1120	205
	9.7	53200	153	196400	86800	69620	**PH**	**032RF137**	**DRE**	**250M4**		1260	204
							PHF	**032RF137**	**DRE**	**250M4**		1140	205
	8.4	61100	175	174200	64200	51190	**P**	**022RF137**	**DRE**	**250M4**		1160	198
	9.7	53200	153	187600	64200	51190	**PF**	**022RF137**	**DRE**	**250M4**		1060	199
	12	44700	128	197000	64200	51190	**PH**	**022RF137**	**DRE**	**250M4**		1180	198
	14	36100	104	185000	64200	51190	**PHF**	**022RF137**	**DRE**	**250M4**		1080	199
75	**1.6**	451100	951	850000	631300	500000	**P**	**102RF167**	**DRE**	**280S4**		5010	234
	1.8	401200	846	850000	631300	500000	**PF**	**102RF167**	**DRE**	**280S4**		4050	235
	2.0	349500	737	850000	631300	500000	**PH**	**102RF167**	**DRE**	**280S4**		5070	234
	2.2	311800	657	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**280S4**		4110	235
	2.6	265800	561	850000	631300	500000							
	3.2	220200	464	850000	631300	500000							
	3.7	187900	396	850000	631300	500000							
	1.5	457100	964	720000	513900	423000	**P**	**092RF167**	**DRE**	**280S4**		4160	232
	1.7	406500	857	720000	513900	423000	**PF**	**092RF167**	**DRE**	**280S4**		3460	233
	2.0	354100	747	720000	513900	423000	**PH**	**092RF167**	**DRE**	**280S4**		4170	232
	2.2	316000	666	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**280S4**		3470	233
	2.6	269300	568	720000	513900	423000							
	3.2	223100	470	720000	513900	423000							
	3.7	190400	402	720000	513900	423000							
	1.8	388900	820	626800	397100	359400	**P**	**082RF167**	**DRE**	**280S4**		3660	230
	2.1	338800	714	672200	397100	359400	**PF**	**082RF167**	**DRE**	**280S4**		3010	231
	2.3	302300	637	683000	397100	359400	**PH**	**082RF167**	**DRE**	**280S4**		3650	230
	2.7	257600	543	683000	397100	359400	**PHF**	**082RF167**	**DRE**	**280S4**		3000	231
	2.8	251300	530	523000	274600	245660	**P**	**072RF147**	**DRE**	**280S4**		2730	224
	3.2	216600	457	523000	274600	245660	**PF**	**072RF147**	**DRE**	**280S4**		2240	225
	4.0	176000	371	523000	274600	245660	**PH**	**072RF147**	**DRE**	**280S4**		2790	224
							PHF	**072RF147**	**DRE**	**280S4**		2300	225
	3.9	181200	382	441900	209100	185660	**P**	**062RF147**	**DRE**	**280S4**		2310	222
	4.6	153700	324	437700	209100	185660	**PF**	**062RF147**	**DRE**	**280S4**		1950	223
	5.2	134900	284	421100	209100	185660	**PH**	**062RF147**	**DRE**	**280S4**		2300	222
	6.4	109600	231	395700	209100	185660	**PHF**	**062RF147**	**DRE**	**280S4**		1940	223
	3.5	200600	423	426900	209100	185660	**P**	**062RF137**	**DRE**	**280S4**		2190	220
							PF	**062RF137**	**DRE**	**280S4**		1830	221
							PH	**062RF137**	**DRE**	**280S4**		2180	220
							PHF	**062RF137**	**DRE**	**280S4**		1820	221
	6.4	109600	231	316500	140600	124060	**P**	**052RF147**	**DRE**	**280S4**		1830	218
	7.6	92900	196	301200	140600	124060	**PF**	**052RF147**	**DRE**	**280S4**		1630	219
	8.9	78800	166	286600	140600	124060	**PH**	**052RF147**	**DRE**	**280S4**		1820	218
							PHF	**052RF147**	**DRE**	**280S4**		1620	219
	7.6	92900	196	261200	111000	100170	**P**	**042RF147**	**DRE**	**280S4**		1680	212
	8.9	78800	166	248500	111000	100170	**PF**	**042RF147**	**DRE**	**280S4**		1490	213
	10	69100	146	239000	111000	100170	**PH**	**042RF147**	**DRE**	**280S4**		1690	212
	12	56100	118	224600	111000	100170	**PHF**	**042RF147**	**DRE**	**280S4**		1500	213
	15	47600	101	213700	111000	100170							
	10	69100	146	193500	86800	69620	**P**	**032RF147**	**DRE**	**280S4**		1440	206
	12	56100	118	181800	86800	69620	**PF**	**032RF147**	**DRE**	**280S4**		1310	207
	15	47600	101	173000	86800	69620	**PH**	**032RF147**	**DRE**	**280S4**		1460	206
							PHF	**032RF147**	**DRE**	**280S4**		1340	207
	8.4	83000	175	203600	86800	69620	**P**	**032RF137**	**DRE**	**280S4**		1320	204
	9.7	72400	153	196200	86800	69620	**PF**	**032RF137**	**DRE**	**280S4**		1200	205
							PH	**032RF137**	**DRE**	**280S4**		1340	204
							PHF	**032RF137**	**DRE**	**280S4**		1220	205

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
75	**12**	60800	128	174700	64200	51190	**P**	**022RF137**	**DRE**	**280S4**	1240	198
							PF	**022RF137**	**DRE**	**280S4**	1140	199
							PH	**022RF137**	**DRE**	**280S4**	1250	198
							PHF	**022RF137**	**DRE**	**280S4**	1150	199
90	**1.6**	541400	951	850000	631300	500000	**P**	**102RF167**	**DRE**	**280M4**	5010	234
	1.8	481500	846	850000	631300	500000	**PF**	**102RF167**	**DRE**	**280M4**	4050	235
	2.0	419400	737	850000	631300	500000	**PH**	**102RF167**	**DRE**	**280M4**	5070	234
	2.2	374200	657	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**280M4**	4110	235
	2.6	319000	561	850000	631300	500000						
	3.2	264300	464	850000	631300	500000						
	3.7	225500	396	850000	631300	500000						
	1.7	487800	857	693900	513900	423000	**P**	**092RF167**	**DRE**	**280M4**	4160	232
	2.0	425000	747	720000	513900	423000	**PF**	**092RF167**	**DRE**	**280M4**	3460	233
	2.2	379200	666	720000	513900	423000	**PH**	**092RF167**	**DRE**	**280M4**	4170	232
	2.6	323200	568	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**280M4**	3470	233
	3.2	267800	470	720000	513900	423000						
	3.7	228500	402	720000	513900	423000						
	2.3	362700	637	651500	397100	359400	**P**	**082RF167**	**DRE**	**280M4**	3660	230
	2.7	309200	543	683000	397100	359400	**PF**	**082RF167**	**DRE**	**280M4**	3010	231
							PH	**082RF167**	**DRE**	**280M4**	3650	230
							PHF	**082RF167**	**DRE**	**280M4**	3000	231
	3.2	259900	457	523000	274600	245660	**P**	**072RF147**	**DRE**	**280M4**	2730	224
	4.0	211200	371	523000	274600	245660	**PF**	**072RF147**	**DRE**	**280M4**	2240	225
							PH	**072RF147**	**DRE**	**280M4**	2790	224
							PHF	**072RF147**	**DRE**	**280M4**	2300	225
	4.6	184400	324	437700	209100	185660	**P**	**062RF147**	**DRE**	**280M4**	2310	222
	5.2	161800	284	421100	209100	185660	**PF**	**062RF147**	**DRE**	**280M4**	1950	223
	6.4	131500	231	395700	209100	185660	**PH**	**062RF147**	**DRE**	**280M4**	2300	222
							PHF	**062RF147**	**DRE**	**280M4**	1940	223
	4.3	194500	342	431800	209100	185660	**P**	**062RF137**	**DRE**	**280M4**	2190	220
							PF	**062RF137**	**DRE**	**280M4**	1830	221
							PH	**062RF137**	**DRE**	**280M4**	2180	220
							PHF	**062RF137**	**DRE**	**280M4**	1820	221
	6.4	131500	231	316500	140600	124060	**P**	**052RF147**	**DRE**	**280M4**	1830	218
	7.6	111500	196	301200	140600	124060	**PF**	**052RF147**	**DRE**	**280M4**	1630	219
							PH	**052RF147**	**DRE**	**280M4**	1820	218
							PHF	**052RF147**	**DRE**	**280M4**	1620	219
	8.9	94500	166	248500	111000	100170	**P**	**042RF147**	**DRE**	**280M4**	1680	212
	10	82900	146	239000	111000	100170	**PF**	**042RF147**	**DRE**	**280M4**	1490	213
	12	67400	118	224600	111000	100170	**PH**	**042RF147**	**DRE**	**280M4**	1690	212
	15	57100	101	213700	111000	100170	**PHF**	**042RF147**	**DRE**	**280M4**	1500	213
	10	82900	146	193500	86800	69620	**P**	**032RF147**	**DRE**	**280M4**	1440	206
	15	57100	101	173000	86800	69620	**PF**	**032RF147**	**DRE**	**280M4**	1310	207
							PH	**032RF147**	**DRE**	**280M4**	1460	206
							PHF	**032RF147**	**DRE**	**280M4**	1340	207
	12	73000	128	186200	86800	69620	**P**	**032RF137**	**DRE**	**280M4**	1320	204
							PF	**032RF137**	**DRE**	**280M4**	1200	205
							PH	**032RF137**	**DRE**	**280M4**	1340	204
							PHF	**032RF137**	**DRE**	**280M4**	1220	205
	14	58900	104	178100	64200	51190	**P**	**022RF137**	**DRE**	**280M4**	1240	198
							PF	**022RF137**	**DRE**	**280M4**	1140	199
							PH	**022RF137**	**DRE**	**280M4**	1250	198
							PHF	**022RF137**	**DRE**	**280M4**	1150	199

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
110	**2.0**	511600	737	850000	631300	500000	**P**	**102RF167**	**DRE**	**315K4**		5310	234
	2.3	456500	657	850000	631300	500000	**PF**	**102RF167**	**DRE**	**315K4**		4350	235
	2.6	389100	561	850000	631300	500000	**PH**	**102RF167**	**DRE**	**315K4**		5370	234
	3.2	322400	464	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**315K4**		4410	235
	3.7	275100	396	850000	631300	500000							
	2.0	518400	747	659900	513900	423000	**P**	**092RF167**	**DRE**	**315K4**		4450	232
	2.2	462500	666	719700	513900	423000	**PF**	**092RF167**	**DRE**	**315K4**		3760	233
	2.6	394200	568	720000	513900	423000	**PH**	**092RF167**	**DRE**	**315K4**		4470	232
	3.2	326700	470	720000	513900	423000	**PHF**	**092RF167**	**DRE**	**315K4**		3770	233
	3.7	278800	402	720000	513900	423000							
	2.7	377100	543	638200	397100	359400	**P**	**082RF167**	**DRE**	**315K4**		3960	230
							PF	**082RF167**	**DRE**	**315K4**		3300	231
							PH	**082RF167**	**DRE**	**315K4**		3950	230
							PHF	**082RF167**	**DRE**	**315K4**		3300	231
132	**2.0**	612300	737	803100	631300	500000	**P**	**102RF167**	**DRE**	**315S4**		5390	234
	2.3	546300	657	850000	631300	500000	**PF**	**102RF167**	**DRE**	**315S4**		4430	235
	2.6	465600	561	850000	631300	500000	**PH**	**102RF167**	**DRE**	**315S4**		5450	234
	3.2	385800	464	850000	631300	500000	**PHF**	**102RF167**	**DRE**	**315S4**		4490	235
	3.8	329200	396	850000	631300	500000							
	2.6	471800	568	710500	513900	423000	**P**	**092RF167**	**DRE**	**315S4**		4530	232
	3.2	390900	470	720000	513900	423000	**PF**	**092RF167**	**DRE**	**315S4**		3840	233
	3.7	333600	402	720000	513900	423000	**PH**	**092RF167**	**DRE**	**315S4**		4550	232
							PHF	**092RF167**	**DRE**	**315S4**		3850	233
160	**2.6**	565500	561	838300	631300	500000	**P**	**102RF167**	**DRE**	**315M4**		5550	234
	3.2	468600	464	850000	631300	500000	**PF**	**102RF167**	**DRE**	**315M4**		4590	235
	3.7	399900	396	850000	631300	500000	**PH**	**102RF167**	**DRE**	**315M4**		5610	234
							PHF	**102RF167**	**DRE**	**315M4**		4650	235
	3.2	474800	470	707400	513900	423000	**P**	**092RF167**	**DRE**	**315M4**		4690	232
	3.7	405200	402	720000	513900	423000	**PF**	**092RF167**	**DRE**	**315M4**		4000	233
							PH	**092RF167**	**DRE**	**315M4**		4700	232
							PHF	**092RF167**	**DRE**	**315M4**		4010	233
200	**3.2**	586500	464	823000	631300	500000	**P**	**102RF167**	**DRE**	**315L4**		5630	234
	3.7	500600	396	850000	631300	500000	**PF**	**102RF167**	**DRE**	**315L4**		4670	235
							PH	**102RF167**	**DRE**	**315L4**		5690	234
							PHF	**102RF167**	**DRE**	**315L4**		4730	235
	3.7	507200	402	672700	513900	423000	**P**	**092RF167**	**DRE**	**315L4**		4770	232
							PF	**092RF167**	**DRE**	**315L4**		4080	233
							PH	**092RF167**	**DRE**	**315L4**		4780	232
							PHF	**092RF167**	**DRE**	**315L4**		4090	233

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10.4 IE3 motor standard – selection tables

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
0.75	**0.36**	19600	4066	156000	46200	36810	**P**	**012RF87**	**DRP**	**90M4**	400	186
	0.40	17700	3663	156000	46200	36810	**PF**	**012RF87**	**DRP**	**90M4**	330	187
	0.45	15500	3214	156000	46200	36810	**PH**	**012RF87**	**DRP**	**90M4**	415	186
	0.51	13700	2847	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**90M4**	345	187
	0.45	15500	3209	156000	-	31500	**P**	**012RF77**	**DRP**	**90M4**	375	184
	0.48	14600	3030	156000	-	31500	**PF**	**012RF77**	**DRP**	**90M4**	305	185
							PH	**012RF77**	**DRP**	**90M4**	385	184
							PHF	**012RF77**	**DRP**	**90M4**	315	185
	0.36	19600	4051	124000	29200	24830	**P**	**002RF87**	**DRP**	**90M4**	320	178
	0.40	17600	3649	124000	29200	24830	**PF**	**002RF87**	**DRP**	**90M4**	265	179
							PH	**002RF87**	**DRP**	**90M4**	325	178
							PHF	**002RF87**	**DRP**	**90M4**	270	179
	0.45	15400	3197	124000	-	24830	**P**	**002RF77**	**DRP**	**90M4**	295	176
	0.48	14600	3018	124000	-	24830	**PF**	**002RF77**	**DRP**	**90M4**	235	177
	0.56	12400	2570	124000	29200	24830	**PH**	**002RF77**	**DRP**	**90M4**	295	176
	0.64	10900	2254	124000	29200	24830	**PHF**	**002RF77**	**DRP**	**90M4**	240	177
	0.71	9850	2035	124000	29200	24830						
	0.81	8660	1790	124000	29200	24830						
	0.86	8180	1691	124000	29200	24830						
	1.0	6960	1439	124000	29200	24830						
1.1	**0.35**	29000	4066	197000	-	51190	**P**	**022RF87**	**DRP**	**90L4**	550	192
	0.39	26100	3663	197000	-	51190	**PF**	**022RF87**	**DRP**	**90L4**	450	193
							PH	**022RF87**	**DRP**	**90L4**	570	192
							PHF	**022RF87**	**DRP**	**90L4**	465	193
	0.35	29000	4066	156000	46200	36810	**P**	**012RF87**	**DRP**	**90L4**	405	186
	0.39	26100	3663	156000	46200	36810	**PF**	**012RF87**	**DRP**	**90L4**	335	187
	0.45	22900	3214	156000	46200	36810	**PH**	**012RF87**	**DRP**	**90L4**	420	186
	0.51	20300	2847	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**90L4**	350	187
	0.58	17800	2498	156000	46200	36810						
	0.61	16900	2368	156000	46200	36810						
	0.69	14800	2072	156000	46200	36810						
	0.64	16100	2263	156000	-	31500	**P**	**012RF77**	**DRP**	**90L4**	375	184
	0.70	14600	2043	156000	-	31500	**PF**	**012RF77**	**DRP**	**90L4**	305	185
							PH	**012RF77**	**DRP**	**90L4**	390	184
							PHF	**012RF77**	**DRP**	**90L4**	320	185
	0.36	28900	4051	111100	29200	24830	**P**	**002RF87**	**DRP**	**90L4**	325	178
	0.39	26000	3649	115800	29200	24830	**PF**	**002RF87**	**DRP**	**90L4**	265	179
	0.45	22800	3201	120400	29200	24830	**PH**	**002RF87**	**DRP**	**90L4**	330	178
	0.51	20200	2836	123800	29200	24830	**PHF**	**002RF87**	**DRP**	**90L4**	270	179
	0.58	17700	2489	124000	29200	24830						
	0.64	16100	2254	124000	29200	24830	**P**	**002RF77**	**DRP**	**90L4**	295	176
	0.71	14500	2035	124000	29200	24830	**PF**	**002RF77**	**DRP**	**90L4**	235	177
	0.80	12800	1790	124000	29200	24830	**PH**	**002RF77**	**DRP**	**90L4**	300	176
	0.85	12000	1691	124000	29200	24830	**PHF**	**002RF77**	**DRP**	**90L4**	240	177
	1.0	10200	1439	124000	29200	24830						
	1.1	9350	1308	124000	29200	24830						
	1.3	8100	1133	124000	29200	24830						
	1.5	7050	986	124000	29200	24830						
1.5	**0.35**	39500	4058	197000	-	51190	**P**	**022RF97**	**DRP**	**100M4**	610	194
	0.40	35300	3628	197000	-	51190	**PF**	**022RF97**	**DRP**	**100M4**	510	195
							PH	**022RF97**	**DRP**	**100M4**	620	194
							PHF	**022RF97**	**DRP**	**100M4**	520	195
	0.45	31300	3214	197000	-	51190	**P**	**022RF87**	**DRP**	**100M4**	560	192
	0.51	27700	2847	197000	-	51190	**PF**	**022RF87**	**DRP**	**100M4**	455	193
	0.58	24300	2498	197000	-	51190	**PH**	**022RF87**	**DRP**	**100M4**	570	192
							PHF	**022RF87**	**DRP**	**100M4**	470	193
	0.35	39500	4058	156000	46200	36810	**P**	**012RF97**	**DRP**	**100M4**	460	188
							PF	**012RF97**	**DRP**	**100M4**	390	189
							PH	**012RF97**	**DRP**	**100M4**	475	188
							PHF	**012RF97**	**DRP**	**100M4**	405	189

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
1.5	**0.35**	39600	4066	156000	46200	36810	**P**	**012RF87**	**DRP**	**100M4**	410	186
	0.39	35700	3663	156000	46200	36810	**PF**	**012RF87**	**DRP**	**100M4**	340	187
	0.45	31300	3214	156000	46200	36810	**PH**	**012RF87**	**DRP**	**100M4**	420	186
	0.51	27700	2847	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**100M4**	350	187
	0.58	24300	2498	156000	46200	36810						
	0.61	23000	2368	156000	46200	36810						
	0.69	20200	2072	156000	46200	36810						
	0.77	18200	1867	156000	46200	36810						
	0.88	15900	1637	156000	46200	36810						
	0.85	16500	1697	156000	-	31500	**P**	**012RF77**	**DRP**	**100M4**	380	184
	1.0	14000	1445	156000	-	31500	**PF**	**012RF77**	**DRP**	**100M4**	310	185
							PH	**012RF77**	**DRP**	**100M4**	390	184
							PHF	**012RF77**	**DRP**	**100M4**	320	185
	0.51	27600	2836	113300	29200	24830	**P**	**002RF87**	**DRP**	**100M4**	330	178
	0.61	22900	2358	120300	29200	24830	**PF**	**002RF87**	**DRP**	**100M4**	270	179
	0.70	20100	2064	124000	29200	24830	**PH**	**002RF87**	**DRP**	**100M4**	330	178
							PHF	**002RF87**	**DRP**	**100M4**	275	179
	0.56	25000	2570	117400	29200	24830	**P**	**002RF77**	**DRP**	**100M4**	300	176
	0.80	17400	1790	124000	29200	24830	**PF**	**002RF77**	**DRP**	**100M4**	240	177
	0.85	16400	1691	124000	29200	24830	**PH**	**002RF77**	**DRP**	**100M4**	300	176
	1.0	14000	1439	124000	29200	24830	**PHF**	**002RF77**	**DRP**	**100M4**	245	177
	1.1	12700	1308	124000	29200	24830						
	1.3	11000	1133	124000	29200	24830						
	1.5	9610	986	124000	29200	24830						
	1.6	8900	913	124000	-	24830	**P**	**002RF77**	**DRP**	**100M4**	295	176
	1.7	8160	837	124000	-	24830	**PF**	**002RF77**	**DRP**	**100M4**	240	177
	2.0	7160	735	124000	-	24830	**PH**	**002RF77**	**DRP**	**100M4**	300	176
							PHF	**002RF77**	**DRP**	**100M4**	245	177
2.2	**0.36**	57500	4022	323000	111000	100170	**P**	**042RF107**	**DRP**	**100L4**	990	208
	0.40	52000	3637	323000	111000	100170	**PF**	**042RF107**	**DRP**	**100L4**	800	209
							PH	**042RF107**	**DRP**	**100L4**	990	208
							PHF	**042RF107**	**DRP**	**100L4**	800	209
	0.36	57500	4022	237600	86800	69620	**P**	**032RF107**	**DRP**	**100L4**	740	202
	0.40	52000	3637	243300	86800	69620	**PF**	**032RF107**	**DRP**	**100L4**	620	203
	0.47	44000	3082	250500	86800	69620	**PH**	**032RF107**	**DRP**	**100L4**	760	202
	0.50	40800	2859	252000	86800	69620	**PHF**	**032RF107**	**DRP**	**100L4**	640	203
	0.44	46600	3262	248300	-	69620	**P**	**032RF97**	**DRP**	**100L4**	690	200
	0.56	36500	2558	252000	-	69620	**PF**	**032RF97**	**DRP**	**100L4**	570	201
							PH	**032RF97**	**DRP**	**100L4**	710	200
							PHF	**032RF97**	**DRP**	**100L4**	590	201
	0.35	58000	4058	179800	-	51190	**P**	**022RF97**	**DRP**	**100L4**	610	194
	0.40	51800	3628	189800	-	51190	**PF**	**022RF97**	**DRP**	**100L4**	510	195
	0.44	46600	3262	197000	-	51190	**PH**	**022RF97**	**DRP**	**100L4**	630	194
	0.51	40400	2831	197000	-	51190	**PHF**	**022RF97**	**DRP**	**100L4**	530	195
	0.56	36500	2558	197000	-	51190						
	0.61	33600	2351	197000	-	51190						
	0.69	29800	2087	197000	-	51190						
	0.69	29600	2072	197000	-	51190	**P**	**022RF87**	**DRP**	**100L4**	560	192
							PF	**022RF87**	**DRP**	**100L4**	460	193
							PH	**022RF87**	**DRP**	**100L4**	580	192
							PHF	**022RF87**	**DRP**	**100L4**	475	193
	0.51	40400	2831	156000	46200	36810	**P**	**012RF97**	**DRP**	**100L4**	465	188
	0.69	29800	2087	156000	46200	36810	**PF**	**012RF97**	**DRP**	**100L4**	395	189
							PH	**012RF97**	**DRP**	**100L4**	480	188
							PHF	**012RF97**	**DRP**	**100L4**	410	189
	0.45	45900	3214	156000	46200	36810	**P**	**012RF87**	**DRP**	**100L4**	415	186
	0.51	40700	2847	156000	46200	36810	**PF**	**012RF87**	**DRP**	**100L4**	345	187
	0.58	35700	2498	156000	46200	36810	**PH**	**012RF87**	**DRP**	**100L4**	425	186
	0.61	33800	2368	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**100L4**	355	187
	0.69	29600	2072	156000	46200	36810						
	0.77	26600	1867	156000	46200	36810						
	0.88	23400	1637	156000	46200	36810						
	1.0	20600	1445	156000	-	36810						
	1.1	18300	1281	156000	46200	36810						
	1.3	15600	1094	156000	46200	36810						

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
2.2	1.3	16200	1138	156000	-	31500	P	012RF77	DRP	100L4		385	184
	1.4	14100	990	156000	-	29900	PF	012RF77	DRP	100L4		315	185
							PH	012RF77	DRP	100L4		395	184
							PHF	012RF77	DRP	100L4		325	185
	0.88	23300	1631	119800	29200	24830	P	002RF87	DRP	100L4		335	178
	1.0	20500	1440	123400	29200	24830	PF	002RF87	DRP	100L4		275	179
	1.1	18200	1276	124000	29200	24830	PH	002RF87	DRP	100L4		335	178
							PHF	002RF87	DRP	100L4		280	179
	0.71	29100	2035	110800	29200	24830	P	002RF77	DRP	100L4		305	176
	0.80	25600	1790	116500	29200	24830	PF	002RF77	DRP	100L4		245	177
	1.3	16200	1133	124000	29200	24830	PH	002RF77	DRP	100L4		305	176
	1.5	14100	986	124000	29200	24830	PHF	002RF77	DRP	100L4		250	177
	1.6	13000	913	124000	-	24830	P	002RF77	DRP	100L4		300	176
	1.7	11900	837	124000	-	24830	PF	002RF77	DRP	100L4		245	177
	2.0	10500	735	124000	-	24830	PH	002RF77	DRP	100L4		305	176
	2.4	8710	610	124000	-	24830	PHF	002RF77	DRP	100L4		250	177
	2.6	7850	549	124000	-	24830							
	3.0	6880	482	124000	-	24830							
3.0	0.36	77600	4022	364000	140600	124060	P	052RF107	DRP	112M4		1140	214
	0.40	70100	3637	364000	140600	124060	PF	052RF107	DRP	112M4		940	215
							PH	052RF107	DRP	112M4		1140	214
							PHF	052RF107	DRP	112M4		940	215
	0.36	77600	4022	316000	111000	100170	P	042RF107	DRP	112M4		1000	208
	0.40	70100	3637	321700	111000	100170	PF	042RF107	DRP	112M4		810	209
	0.47	59400	3082	323000	111000	100170	PH	042RF107	DRP	112M4		1000	208
	0.51	55100	2859	323000	111000	100170	PHF	042RF107	DRP	112M4		810	209
	0.57	49600	2573	323000	111000	100170							
	0.36	77600	4022	212100	86800	69620	P	032RF107	DRP	112M4		750	202
	0.40	70100	3637	222500	86800	69620	PF	032RF107	DRP	112M4		630	203
	0.47	59400	3082	235500	86800	69620	PH	032RF107	DRP	112M4		770	202
	0.51	55100	2859	240100	86800	69620	PHF	032RF107	DRP	112M4		650	203
	0.62	44900	2331	249700	86800	69620							
	0.70	39800	2067	252000	86800	69620							
	0.45	62900	3262	231500	-	69620	P	032RF97	DRP	112M4		700	200
	0.51	54600	2831	240600	-	69620	PF	032RF97	DRP	112M4		580	201
	0.57	49300	2558	245800	-	69620	PH	032RF97	DRP	112M4		730	200
	0.62	45300	2351	249400	-	69620	PHF	032RF97	DRP	112M4		600	201
	0.70	40200	2087	252000	-	69620							
	0.78	36000	1867	252000	-	69620							
	0.51	54600	2831	185500	-	51190	P	022RF97	DRP	112M4		620	194
	0.57	49300	2558	193500	-	51190	PF	022RF97	DRP	112M4		520	195
	0.62	45300	2351	197000	-	51190	PH	022RF97	DRP	112M4		640	194
	0.70	40200	2087	197000	-	51190	PHF	022RF97	DRP	112M4		540	195
	0.78	36000	1867	197000	-	51190							
	0.87	32300	1678	197000	-	51190							
	1.0	28100	1457	197000	-	51190							
	1.1	25100	1304	197000	-	51190							
	0.89	31600	1637	197000	-	51190	P	022RF87	DRP	112M4		570	192
	1.0	27800	1445	197000	-	51190	PF	022RF87	DRP	112M4		470	193
							PH	022RF87	DRP	112M4		590	192
							PHF	022RF87	DRP	112M4		485	193
	1.1	26000	1350	197000	-	51190	P	022RF87	DRP	112M4		570	192
							PF	022RF87	DRP	112M4		470	193
							PH	022RF87	DRP	112M4		590	192
							PHF	022RF87	DRP	112M4		485	193
	0.70	40200	2087	156000	46200	36810	P	012RF97	DRP	112M4		475	188
	1.3	20800	1082	156000	46200	36810	PF	012RF97	DRP	112M4		405	189
							PH	012RF97	DRP	112M4		490	188
							PHF	012RF97	DRP	112M4		420	189
	1.5	18900	982	156000	46200	36810	P	012RF97	DRP	112M4		475	188
							PF	012RF97	DRP	112M4		405	189
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							PHF	012RF97	DRP	112M4		415	189

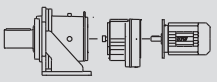
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
3.0	**0.61**	45600	2368	156000	46200	36810	**P**	**012RF87**	**DRP**	**112M4**		425	186
	0.70	39900	2072	156000	46200	36810	**PF**	**012RF87**	**DRP**	**112M4**		355	187
	0.78	36000	1867	156000	46200	36810	**PH**	**012RF87**	**DRP**	**112M4**		440	186
	0.89	31600	1637	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**112M4**		370	187
	1.0	27800	1445	156000	-	36810							
	1.1	24700	1281	156000	46200	36810							
	1.2	23700	1232	156000	46200	36810	**P**	**012RF87**	**DRP**	**112M4**		425	186
	1.3	21000	1092	156000	46200	36810	**PF**	**012RF87**	**DRP**	**112M4**		355	187
	1.6	17700	918	156000	46200	36810	**PH**	**012RF87**	**DRP**	**112M4**		435	186
	1.7	16200	844	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**112M4**		365	187
	1.9	14400	749	156000	46200	36810							
	1.0	27700	1440	113100	29200	24830	**P**	**002RF87**	**DRP**	**112M4**		345	178
	1.3	21000	1090	122900	29200	24830	**PF**	**002RF87**	**DRP**	**112M4**		285	179
							PH	**002RF87**	**DRP**	**112M4**		350	178
							PHF	**002RF87**	**DRP**	**112M4**		290	179
	1.6	17600	914	124000	29200	24830	**P**	**002RF87**	**DRP**	**112M4**		345	178
	2.2	12800	667	124000	29200	24830	**PF**	**002RF87**	**DRP**	**112M4**		285	179
							PH	**002RF87**	**DRP**	**112M4**		345	178
							PHF	**002RF87**	**DRP**	**112M4**		290	179
	1.0	27700	1439	113100	29200	24830	**P**	**002RF77**	**DRP**	**112M4**		315	176
	1.1	25200	1308	117100	29200	24830	**PF**	**002RF77**	**DRP**	**112M4**		255	177
							PH	**002RF77**	**DRP**	**112M4**		320	176
							PHF	**002RF77**	**DRP**	**112M4**		260	177
	1.7	16100	837	124000	-	24830	**P**	**002RF77**	**DRP**	**112M4**		315	176
	2.0	14100	735	124000	-	24830	**PF**	**002RF77**	**DRP**	**112M4**		255	177
	2.4	11700	610	124000	-	24830	**PH**	**002RF77**	**DRP**	**112M4**		315	176
	2.6	10500	549	124000	-	24830	**PHF**	**002RF77**	**DRP**	**112M4**		260	177
	3.0	9290	482	124000	-	24830							
	3.4	8200	425	124000	-	24830							
	3.9	7270	377	124000	-	24100							
	4.3	6480	336	124000	-	24100							
4.0	**0.51**	73000	2859	364000	140600	124060	**P**	**052RF107**	**DRP**	**132M4**		1160	214
	0.57	65700	2573	364000	140600	124060	**PF**	**052RF107**	**DRP**	**132M4**		960	215
							PH	**052RF107**	**DRP**	**132M4**		1150	214
							PHF	**052RF107**	**DRP**	**132M4**		950	215
	0.36	102800	4022	292900	111000	100170	**P**	**042RF107**	**DRP**	**132M4**		1010	208
	0.40	92900	3637	302700	111000	100170	**PF**	**042RF107**	**DRP**	**132M4**		820	209
	0.71	52800	2067	323000	111000	100170	**PH**	**042RF107**	**DRP**	**132M4**		1020	208
	0.78	47700	1869	323000	111000	100170	**PHF**	**042RF107**	**DRP**	**132M4**		830	209
	0.48	78700	3082	210300	86800	69620	**P**	**032RF107**	**DRP**	**132M4**		770	202
	0.51	73000	2859	218600	86800	69620	**PF**	**032RF107**	**DRP**	**132M4**		650	203
	0.92	40400	1584	252000	86800	69620	**PH**	**032RF107**	**DRP**	**132M4**		790	202
							PHF	**032RF107**	**DRP**	**132M4**		670	203
	0.57	65300	2558	228600	-	69620	**P**	**032RF97**	**DRP**	**132M4**		720	200
	0.87	42800	1678	251500	-	69620	**PF**	**032RF97**	**DRP**	**132M4**		600	201
	1.0	37200	1457	252000	-	69620	**PH**	**032RF97**	**DRP**	**132M4**		740	200
							PHF	**032RF97**	**DRP**	**132M4**		620	201
	1.2	30800	1207	197000	64200	51190	**P**	**022RF107**	**DRP**	**132M4**		680	196
							PF	**022RF107**	**DRP**	**132M4**		580	197
							PH	**022RF107**	**DRP**	**132M4**		700	196
							PHF	**022RF107**	**DRP**	**132M4**		590	197
	0.62	60000	2351	176100	-	51190	**P**	**022RF97**	**DRP**	**132M4**		640	194
	0.70	53300	2087	187500	-	51190	**PF**	**022RF97**	**DRP**	**132M4**		540	195
	0.78	47700	1867	195800	-	51190	**PH**	**022RF97**	**DRP**	**132M4**		650	194
	0.87	42800	1678	197000	-	51190	**PHF**	**022RF97**	**DRP**	**132M4**		550	195
	1.1	33300	1304	197000	-	51190							
	1.4	27600	1082	197000	-	51190							
	1.5	25000	982	197000	64200	51190	**P**	**022RF97**	**DRP**	**132M4**		640	194
	1.7	22400	878	197000	64200	51190	**PF**	**022RF97**	**DRP**	**132M4**		530	195
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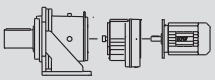
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
4.0	1.2	31400	1232	197000	-	51190	P	022RF87	DRP	132M4	590	192
	1.3	27900	1092	197000	-	51190	PF	022RF87	DRP	132M4	485	193
	1.6	23400	918	197000	-	51190	PH	022RF87	DRP	132M4	600	192
							PHF	022RF87	DRP	132M4	500	193
	1.0	37200	1457	156000	46200	36810	P	012RF97	DRP	132M4	490	188
							PF	012RF97	DRP	132M4	420	189
							PH	012RF97	DRP	132M4	510	188
							PHF	012RF97	DRP	132M4	435	189
	1.8	20100	790	156000	46200	36810	P	012RF97	DRP	132M4	490	188
	2.0	18200	716	156000	46200	36810	PF	012RF97	DRP	132M4	420	189
	2.3	16200	634	156000	46200	36810	PH	012RF97	DRP	132M4	500	188
							PHF	012RF97	DRP	132M4	430	189
	0.89	41800	1637	156000	46200	36810	P	012RF87	DRP	132M4	440	186
	1.1	32700	1281	156000	46200	36810	PF	012RF87	DRP	132M4	370	187
	1.3	27900	1094	156000	46200	36810	PH	012RF87	DRP	132M4	455	186
							PHF	012RF87	DRP	132M4	385	187
	1.7	21500	844	156000	46200	36810	P	012RF87	DRP	132M4	440	186
	2.0	19100	749	156000	46200	36810	PF	012RF87	DRP	132M4	370	187
	2.2	17100	670	156000	46200	36810	PH	012RF87	DRP	132M4	450	186
	2.4	15300	602	156000	46200	36810	PHF	012RF87	DRP	132M4	380	187
	2.8	13300	523	156000	46200	36810						
	2.7	14000	551	156000	-	27600	P	012RF77	DRP	132M4	410	184
							PF	012RF77	DRP	132M4	340	185
							PH	012RF77	DRP	132M4	420	184
							PHF	012RF77	DRP	132M4	350	185
	1.3	27800	1090	113000	29200	24830	P	002RF87	DRP	132M4	360	178
							PF	002RF87	DRP	132M4	300	179
							PH	002RF87	DRP	132M4	365	178
							PHF	002RF87	DRP	132M4	305	179
	1.6	23300	914	119800	29200	24830	P	002RF87	DRP	132M4	360	178
	1.7	21400	841	122300	29200	24830	PF	002RF87	DRP	132M4	300	179
	2.0	19000	746	124000	29200	24830	PH	002RF87	DRP	132M4	360	178
	2.2	17000	667	124000	29200	24830	PHF	002RF87	DRP	132M4	305	179
	1.3	28900	1133	111100	29200	24830	P	002RF77	DRP	132M4	330	176
	1.5	25200	986	117100	29200	24830	PF	002RF77	DRP	132M4	270	177
							PH	002RF77	DRP	132M4	335	176
							PHF	002RF77	DRP	132M4	275	177
	2.4	15500	610	124000	-	24830	P	002RF77	DRP	132M4	330	176
	2.7	14000	549	124000	-	24830	PF	002RF77	DRP	132M4	270	177
	3.0	12300	482	124000	-	24830	PH	002RF77	DRP	132M4	330	176
	3.4	10800	425	124000	-	24830	PHF	002RF77	DRP	132M4	275	177
	3.9	9630	377	124000	-	24100						
	4.4	8580	336	124000	-	24100						
	4.8	7730	302	124000	-	23300						
	5.5	6780	265	124000	-	22200						
5.5	0.36	141300	4049	468300	209100	185660	P	062RF137	DRP	132MC4	1760	220
	0.42	121400	3480	473000	209100	185660	PF	062RF137	DRP	132MC4	1390	221
	0.46	110700	3174	473000	209100	185660	PH	062RF137	DRP	132MC4	1750	220
							PHF	062RF137	DRP	132MC4	1380	221
	0.36	141300	4049	341200	140600	124060	P	052RF137	DRP	132MC4	1270	216
	0.42	121400	3480	358400	140600	124060	PF	052RF137	DRP	132MC4	1070	217
	0.51	100600	2883	364000	140600	124060	PH	052RF137	DRP	132MC4	1270	216
	0.58	89200	2558	364000	140600	124060	PHF	052RF137	DRP	132MC4	1070	217
	0.37	140400	4022	342100	140600	124060	P	052RF107	DRP	160S4	1180	214
	0.41	126900	3637	354000	140600	124060	PF	052RF107	DRP	160S4	980	215
							PH	052RF107	DRP	160S4	1170	214
							PHF	052RF107	DRP	160S4	970	215
	0.37	140400	4022	342100	140600	124060	P	052RF107	DRP	132MC4	1160	214
	0.41	126900	3637	354000	140600	124060	PF	052RF107	DRP	132MC4	960	215
	0.52	99700	2859	364000	140600	124060	PH	052RF107	DRP	132MC4	1160	214
	0.57	89800	2573	364000	140600	124060	PHF	052RF107	DRP	132MC4	960	215

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
5.5	0.46	110700	3174	284100	111000	100170	P	042RF137	DRP	160S4	1140	210
							PF	042RF137	DRP	160S4	950	211
							PH	042RF137	DRP	160S4	1140	210
							PHF	042RF137	DRP	160S4	950	211
	0.46	110700	3174	284100	111000	100170	P	042RF137	DRP	132MC4	1130	210
	0.64	81000	2321	313300	111000	100170	PF	042RF137	DRP	132MC4	940	211
							PH	042RF137	DRP	132MC4	1130	210
							PHF	042RF137	DRP	132MC4	940	211
	0.48	107500	3082	287700	111000	100170	P	042RF107	DRP	160S4	1030	208
							PF	042RF107	DRP	160S4	840	209
							PH	042RF107	DRP	160S4	1040	208
							PHF	042RF107	DRP	160S4	850	209
	0.48	107500	3082	287700	111000	100170	P	042RF107	DRP	132MC4	1020	208
	0.52	99700	2859	296000	111000	100170	PF	042RF107	DRP	132MC4	830	209
	0.57	89800	2573	305600	111000	100170	PH	042RF107	DRP	132MC4	1020	208
	0.63	81300	2331	313000	111000	100170	PHF	042RF107	DRP	132MC4	830	209
	0.71	72100	2067	320300	111000	100170						
	0.79	65200	1869	323000	111000	100170						
	0.63	81300	2331	206400	86800	69620	P	032RF107	DRP	160S4	790	202
	0.71	72100	2067	219900	86800	69620	PF	032RF107	DRP	160S4	660	203
							PH	032RF107	DRP	160S4	810	202
							PHF	032RF107	DRP	160S4	690	203
	0.63	81300	2331	206400	86800	69620	P	032RF107	DRP	132MC4	770	202
	0.71	72100	2067	219900	86800	69620	PF	032RF107	DRP	132MC4	650	203
	0.93	55200	1584	240000	86800	69620	PH	032RF107	DRP	132MC4	790	202
	1.1	48200	1383	246800	86800	69620	PHF	032RF107	DRP	132MC4	670	203
	1.2	42100	1207	252000	86800	69620	P	032RF107	DRP	132MC4	770	202
							PF	032RF107	DRP	132MC4	650	203
							PH	032RF107	DRP	132MC4	790	202
							PHF	032RF107	DRP	132MC4	670	203
	0.79	65100	1867	228900	-	69620	P	032RF97	DRP	132MC4	720	200
	0.88	58500	1678	236500	-	69620	PF	032RF97	DRP	132MC4	600	201
	1.0	50800	1457	244400	-	69620	PH	032RF97	DRP	132MC4	740	200
	1.4	37700	1082	252000	86800	69620	PHF	032RF97	DRP	132MC4	620	201
	1.2	43800	1257	250700	-	69620	P	032RF97	DRP	132MC4	720	200
							PF	032RF97	DRP	132MC4	600	201
							PH	032RF97	DRP	132MC4	740	200
							PHF	032RF97	DRP	132MC4	620	201
	0.88	58500	1678	178800	-	51190	P	022RF97	DRP	132MC4	640	194
	1.0	50800	1457	191300	-	51190	PF	022RF97	DRP	132MC4	540	195
	1.1	45500	1304	197000	-	51190	PH	022RF97	DRP	132MC4	660	194
							PHF	022RF97	DRP	132MC4	560	195
	1.5	34200	982	197000	64200	51190	P	022RF97	DRP	132MC4	640	194
	1.7	30600	878	197000	64200	51190	PF	022RF97	DRP	132MC4	540	195
							PH	022RF97	DRP	132MC4	660	194
							PHF	022RF97	DRP	132MC4	550	195
	1.6	32000	918	197000	-	51190	P	022RF87	DRP	132MC4	590	192
							PF	022RF87	DRP	132MC4	490	193
							PH	022RF87	DRP	132MC4	610	192
							PHF	022RF87	DRP	132MC4	500	193
	1.4	37700	1082	156000	46200	36810	P	012RF97	DRP	160S4	510	188
							PF	012RF97	DRP	160S4	440	189
							PH	012RF97	DRP	160S4	520	188
							PHF	012RF97	DRP	160S4	450	189
	1.4	37700	1082	156000	46200	36810	P	012RF97	DRP	132MC4	495	188
							PF	012RF97	DRP	132MC4	425	189
							PH	012RF97	DRP	132MC4	510	188
							PHF	012RF97	DRP	132MC4	440	189
	1.5	34200	982	156000	46200	36810	P	012RF97	DRP	132MC4	495	188
	1.9	27500	790	156000	46200	36810	PF	012RF97	DRP	132MC4	425	189
	2.1	24900	716	156000	46200	36810	PH	012RF97	DRP	132MC4	510	188
	2.3	22100	634	156000	46200	36810	PHF	012RF97	DRP	132MC4	435	189

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5				m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
5.5	1.2	44700	1281	156000	46200	36810	P	012RF87	DRP	160S4	455	186
	1.4	38100	1094	156000	46200	36810	PF	012RF87	DRP	160S4	385	187
							PH	012RF87	DRP	160S4	470	186
							PHF	012RF87	DRP	160S4	400	187
	1.2	44700	1281	156000	46200	36810	P	012RF87	DRP	132MC4	445	186
	1.4	38100	1094	156000	46200	36810	PF	012RF87	DRP	132MC4	375	187
							PH	012RF87	DRP	132MC4	460	186
							PHF	012RF87	DRP	132MC4	390	187
	1.4	38100	1092	156000	46200	36810	P	012RF87	DRP	160S4	455	186
							PF	012RF87	DRP	160S4	385	187
							PH	012RF87	DRP	160S4	470	186
							PHF	012RF87	DRP	160S4	400	187
	1.4	38100	1092	156000	46200	36810	P	012RF87	DRP	132MC4	445	186
	1.6	32000	918	156000	46200	36810	PF	012RF87	DRP	132MC4	375	187
	1.8	29400	844	156000	46200	36810	PH	012RF87	DRP	132MC4	455	186
	2.0	26100	749	156000	46200	36810	PHF	012RF87	DRP	132MC4	385	187
	2.2	23300	670	156000	46200	36810						
	2.4	21000	602	156000	46200	36810						
	2.8	18200	523	156000	46200	36810						
	2.0	26000	746	115800	29200	24830	P	002RF87	DRP	160S4	375	178
							PF	002RF87	DRP	160S4	315	179
							PH	002RF87	DRP	160S4	380	178
							PHF	002RF87	DRP	160S4	320	179
	2.0	26000	746	115800	29200	24830	P	002RF87	DRP	132MC4	365	178
	2.2	23200	667	119900	29200	24830	PF	002RF87	DRP	132MC4	305	179
	2.5	20900	600	123000	29200	24830	PH	002RF87	DRP	132MC4	365	178
	2.8	18100	521	124000	29200	24830	PHF	002RF87	DRP	132MC4	310	179
	3.2	16200	466	124000	29200	24830						
	3.8	13500	387	124000	29200	24830						
	4.1	12400	357	124000	29200	24830						
	4.6	11200	321	124000	29200	24830						
	5.3	9730	279	124000	29200	24830						
	5.7	9080	260	124000	-	24400						
	6.3	8130	233	121700	-	23500						
	7.8	6570	188	114100	-	12000	P	002RF77	DRP	132MC4	335	176
	8.8	5850	168	110300	-	12000	PF	002RF77	DRP	132MC4	275	177
							PH	002RF77	DRP	132MC4	335	176
							PHF	002RF77	DRP	132MC4	280	177
7.5	0.36	193300	4049	432700	209100	185660	P	062RF137	DRP	160M4	1780	220
	0.42	166200	3480	452600	209100	185660	PF	062RF137	DRP	160M4	1410	221
	0.46	151500	3174	462100	209100	185660	PH	062RF137	DRP	160M4	1770	220
	0.51	137600	2883	470400	209100	185660	PHF	062RF137	DRP	160M4	1400	221
	0.57	122100	2558	473000	209100	185660						
	0.63	110800	2321	473000	209100	185660						
	0.51	137600	2883	344600	140600	124060	P	052RF137	DRP	160M4	1290	216
	0.57	122100	2558	357900	140600	124060	PF	052RF137	DRP	160M4	1090	217
	0.74	95200	1995	364000	140600	124060	PH	052RF137	DRP	160M4	1280	216
	0.84	83100	1741	364000	140600	124060	PHF	052RF137	DRP	160M4	1090	217
	0.51	136500	2859	345600	140600	124060	P	052RF107	DRP	160M4	1190	214
	0.79	89200	1869	364000	140600	124060	PF	052RF107	DRP	160M4	990	215
							PH	052RF107	DRP	160M4	1180	214
							PHF	052RF107	DRP	160M4	980	215
	0.63	110800	2321	284000	111000	100170	P	042RF137	DRP	160M4	1150	210
	0.99	70500	1477	321400	111000	100170	PF	042RF137	DRP	160M4	960	211
							PH	042RF137	DRP	160M4	1150	210
							PHF	042RF137	DRP	160M4	960	211
	0.71	98700	2067	297100	111000	100170	P	042RF107	DRP	160M4	1040	208
	0.79	89200	1869	306100	111000	100170	PF	042RF107	DRP	160M4	850	209
	0.93	75600	1584	317600	111000	100170	PH	042RF107	DRP	160M4	1050	208
	1.1	66000	1383	323000	111000	100170	PHF	042RF107	DRP	160M4	860	209
	1.2	57600	1207	323000	111000	100170	P	042RF107	DRP	160M4	1030	208
							PF	042RF107	DRP	160M4	840	209
							PH	042RF107	DRP	160M4	1040	208
							PHF	042RF107	DRP	160M4	850	209

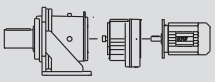
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
7.5	0.93	75600	1584	215000	86800	69620	P	032RF107	DRP	160M4		790	202
	1.1	66000	1383	227800	86800	69620	PF	032RF107	DRP	160M4		670	203
							PH	032RF107	DRP	160M4		820	202
							PHF	032RF107	DRP	160M4		690	203
	1.4	51600	1082	243600	86800	69620	P	032RF107	DRP	160M4		790	202
	1.5	46600	977	248300	86800	69620	PF	032RF107	DRP	160M4		670	203
							PH	032RF107	DRP	160M4		810	202
							PHF	032RF107	DRP	160M4		690	203
	1.4	50900	1067	244300	-	69620	P	032RF97	DRP	160M4		740	200
	1.5	46900	982	248000	-	69620	PF	032RF97	DRP	160M4		620	201
	1.7	41900	878	252000	-	69620	PH	032RF97	DRP	160M4		760	200
							PHF	032RF97	DRP	160M4		640	201
	1.2	57600	1207	180400	64200	51190	P	022RF107	DRP	160M4		710	196
							PF	022RF107	DRP	160M4		610	197
							PH	022RF107	DRP	160M4		720	196
							PHF	022RF107	DRP	160M4		620	197
	1.4	51600	1082	190100	-	51190	P	022RF97	DRP	160M4		670	194
							PF	022RF97	DRP	160M4		560	195
							PH	022RF97	DRP	160M4		680	194
							PHF	022RF97	DRP	160M4		580	195
	1.5	46900	982	196900	64200	51190	P	022RF97	DRP	160M4		660	194
	1.7	41900	878	197000	64200	51190	PF	022RF97	DRP	160M4		560	195
	1.9	37700	790	197000	64200	51190	PH	022RF97	DRP	160M4		680	194
	2.0	34100	716	197000	64200	51190	PHF	022RF97	DRP	160M4		580	195
	2.3	30300	634	197000	64200	51190							
	1.9	37700	790	156000	46200	36810	P	012RF97	DRP	160M4		510	188
	2.0	34100	716	156000	46200	36810	PF	012RF97	DRP	160M4		445	189
	2.3	30300	634	156000	46200	36810	PH	012RF97	DRP	160M4		530	188
	2.6	27300	574	156000	46200	36810	PHF	012RF97	DRP	160M4		460	189
	3.0	23200	486	156000	46200	36810							
	3.5	20200	425	156000	46200	36810							
	1.6	43800	918	156000	46200	36810	P	012RF87	DRP	160M4		465	186
	1.7	40300	844	156000	46200	36810	PF	012RF87	DRP	160M4		395	187
	2.4	28700	602	156000	46200	36810	PH	012RF87	DRP	160M4		475	186
	2.8	24900	523	156000	46200	36810	PHF	012RF87	DRP	160M4		405	187
	3.1	22300	468	156000	46200	36810							
	3.8	18500	388	156000	46200	36810							
	4.1	17100	359	156000	-	36810							
	4.6	15400	322	156000	46200	36810							
	2.4	28600	600	111600	29200	24830	P	002RF87	DRP	160M4		385	178
	3.2	22200	466	121300	29200	24830	PF	002RF87	DRP	160M4		325	179
	3.8	18400	387	124000	29200	24830	PH	002RF87	DRP	160M4		385	178
	4.1	17000	357	124000	29200	24830	PHF	002RF87	DRP	160M4		330	179
	4.6	15300	321	124000	29200	24830							
	5.3	13300	279	124000	29200	24830							
	5.6	12400	260	124000	-	24400							
	6.3	11100	233	121800	-	23500							
	7.6	9230	193	115200	-	22500							
	8.2	8520	178	112400	-	23100							
	9.2	7660	161	108900	-	22200							
	11	6650	139	104400	-	20400							
	12	5950	125	101000	-	19500							
	14	4940	104	95500	-	17400							
9.2	0.41	210600	3608	850000	631300	500000	P	102RF167	DRP	160MC4		4590	234
	0.46	187400	3210	850000	631300	500000	PF	102RF167	DRP	160MC4		3640	235
	0.52	166500	2854	850000	-	500000	PH	102RF167	DRP	160MC4		4650	234
	0.65	132500	2271	850000	-	500000	PHF	102RF167	DRP	160MC4		3700	235
	0.40	213400	3656	720000	513900	423000	P	092RF167	DRP	160MC4		3740	232
	0.45	189900	3253	720000	513900	423000	PF	092RF167	DRP	160MC4		3040	233
	0.51	168800	2891	720000	-	423000	PH	092RF167	DRP	160MC4		3750	232
	0.64	134300	2301	720000	-	423000	PHF	092RF167	DRP	160MC4		3050	233
	0.73	118500	2031	720000	-	423000							

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
9.2	0.82	105300	1805	720000	513900	423000	P	092RF167	DRP	160MC4	3730	232
							PF	092RF167	DRP	160MC4	3030	233
							PH	092RF167	DRP	160MC4	3740	232
							PHF	092RF167	DRP	160MC4	3040	233
	0.35	243000	4165	523000	-	245660	P	072RF147	DRP	160MC4	2320	224
	0.54	160200	2747	523000	-	245660	PF	072RF147	DRP	160MC4	1830	225
	0.58	148900	2552	523000	-	245660	PH	072RF147	DRP	160MC4	2370	224
	0.63	135800	2328	523000	-	245660	PHF	072RF147	DRP	160MC4	1880	225
	0.45	191100	3275	434400	209100	185660	P	062RF147	DRP	180S4	1930	222
							PF	062RF147	DRP	180S4	1560	223
							PH	062RF147	DRP	180S4	1920	222
							PHF	062RF147	DRP	180S4	1550	223
	0.40	216600	3711	413200	209100	185660	P	062RF147	DRP	160MC4	1900	222
	0.45	191100	3275	434400	209100	185660	PF	062RF147	DRP	160MC4	1530	223
	0.71	121100	2074	473000	209100	185660	PH	062RF147	DRP	160MC4	1890	222
							PHF	062RF147	DRP	160MC4	1520	223
	0.42	203100	3480	424800	209100	185660	P	062RF137	DRP	180S4	1810	220
							PF	062RF137	DRP	180S4	1440	221
							PH	062RF137	DRP	180S4	1800	220
							PHF	062RF137	DRP	180S4	1430	221
	0.42	203100	3480	424800	209100	185660	P	062RF137	DRP	160MC4	1780	220
	0.51	168300	2883	451200	209100	185660	PF	062RF137	DRP	160MC4	1410	221
	0.85	101600	1741	473000	209100	185660	PH	062RF137	DRP	160MC4	1770	220
							PHF	062RF137	DRP	160MC4	1400	221
	0.64	135500	2321	346500	140600	124060	P	052RF137	DRP	180S4	1320	216
							PF	052RF137	DRP	180S4	1120	217
							PH	052RF137	DRP	180S4	1320	216
							PHF	052RF137	DRP	180S4	1120	217
	0.58	149300	2558	333400	140600	124060	P	052RF137	DRP	160MC4	1290	216
	0.64	135500	2321	346500	140600	124060	PF	052RF137	DRP	160MC4	1090	217
	1.0	86200	1477	364000	140600	124060	PH	052RF137	DRP	160MC4	1290	216
	1.1	75300	1291	364000	140600	124060	PHF	052RF137	DRP	160MC4	1090	217
	1.1	80700	1383	364000	140600	124060	P	052RF107	DRP	160MC4	1190	214
							PF	052RF107	DRP	160MC4	990	215
							PH	052RF107	DRP	160MC4	1180	214
							PHF	052RF107	DRP	160MC4	980	215
	1.2	70400	1207	364000	140600	124060	P	052RF107	DRP	160MC4	1180	214
							PF	052RF107	DRP	160MC4	980	215
							PH	052RF107	DRP	160MC4	1170	214
							PHF	052RF107	DRP	160MC4	970	215
	0.85	101600	1741	294000	111000	100170	P	042RF137	DRP	180S4	1180	210
							PF	042RF137	DRP	180S4	990	211
							PH	042RF137	DRP	180S4	1180	210
							PHF	042RF137	DRP	180S4	990	211
	0.74	116400	1995	277400	111000	100170	P	042RF137	DRP	160MC4	1150	210
	0.85	101600	1741	294000	111000	100170	PF	042RF137	DRP	160MC4	960	211
	1.4	63700	1092	323000	111000	100170	PH	042RF137	DRP	160MC4	1150	210
							PHF	042RF137	DRP	160MC4	960	211
	0.79	109100	1869	286000	111000	100170	P	042RF107	DRP	180S4	1070	208
							PF	042RF107	DRP	180S4	880	209
							PH	042RF107	DRP	180S4	1080	208
							PHF	042RF107	DRP	180S4	890	209
	0.79	109100	1869	286000	111000	100170	P	042RF107	DRP	160MC4	1040	208
	0.93	92400	1584	303100	111000	100170	PF	042RF107	DRP	160MC4	850	209
	1.1	80700	1383	313500	111000	100170	PH	042RF107	DRP	160MC4	1050	208
							PHF	042RF107	DRP	160MC4	860	209
	1.4	63100	1082	323000	111000	100170	P	042RF107	DRP	160MC4	1040	208
	1.5	57000	977	323000	111000	100170	PF	042RF107	DRP	160MC4	850	209
	1.7	51800	887	323000	111000	100170	PH	042RF107	DRP	160MC4	1040	208
							PHF	042RF107	DRP	160MC4	850	209
	1.1	80700	1383	207300	86800	69620	P	032RF107	DRP	180S4	830	202
							PF	032RF107	DRP	180S4	710	203
							PH	032RF107	DRP	180S4	850	202
							PHF	032RF107	DRP	180S4	730	203

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1)]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
9.2	1.1	80700	1383	207300	86800	69620	P	032RF107	DRP	160MC4	800	202
							PF	032RF107	DRP	160MC4	680	203
							PH	032RF107	DRP	160MC4	820	202
							PHF	032RF107	DRP	160MC4	700	203
	1.2	70400	1207	222100	86800	69620	P	032RF107	DRP	180S4	820	202
							PF	032RF107	DRP	180S4	700	203
							PH	032RF107	DRP	180S4	840	202
							PHF	032RF107	DRP	180S4	720	203
	1.2	70400	1207	222100	86800	69620	P	032RF107	DRP	160MC4	790	202
	1.4	63100	1082	231300	86800	69620	PF	032RF107	DRP	160MC4	670	203
	1.9	45900	787	248900	86800	69620	PH	032RF107	DRP	160MC4	810	202
	2.1	41700	714	252000	86800	69620	PHF	032RF107	DRP	160MC4	690	203
	2.1	41700	716	252000	-	69620	P	032RF97	DRP	160MC4	740	200
	2.3	37000	634	252000	-	69620	PF	032RF97	DRP	160MC4	620	201
							PH	032RF97	DRP	160MC4	760	200
							PHF	032RF97	DRP	160MC4	640	201
	2.4	35800	614	197000	64200	51190	P	022RF107	DRP	160MC4	710	196
	2.8	31200	536	197000	64200	51190	PF	022RF107	DRP	160MC4	610	197
							PH	022RF107	DRP	160MC4	720	196
							PHF	022RF107	DRP	160MC4	620	197
	1.5	57300	982	181000	64200	51190	P	022RF97	DRP	180S4	700	194
							PF	022RF97	DRP	180S4	590	195
							PH	022RF97	DRP	180S4	710	194
							PHF	022RF97	DRP	180S4	610	195
	1.5	57300	982	181000	64200	51190	P	022RF97	DRP	160MC4	660	194
	1.7	51200	878	190700	64200	51190	PF	022RF97	DRP	160MC4	560	195
	1.9	46100	790	197000	64200	51190	PH	022RF97	DRP	160MC4	680	194
	2.1	41700	716	197000	64200	51190	PHF	022RF97	DRP	160MC4	580	195
	2.6	33400	574	197000	64200	51190						
	3.0	28300	486	197000	64200	51190						
	3.8	22600	388	197000	-	45300	P	022RF87	DRP	160MC4	610	192
							PF	022RF87	DRP	160MC4	510	193
							PH	022RF87	DRP	160MC4	630	192
							PHF	022RF87	DRP	160MC4	530	193
	1.9	46100	790	156000	46200	36810	P	012RF97	DRP	180S4	550	188
	2.1	41700	716	156000	46200	36810	PF	012RF97	DRP	180S4	475	189
	2.3	37000	634	156000	46200	36810	PH	012RF97	DRP	180S4	560	188
							PHF	012RF97	DRP	180S4	490	189
	1.9	46100	790	156000	46200	36810	P	012RF97	DRP	160MC4	520	188
	2.1	41700	716	156000	46200	36810	PF	012RF97	DRP	160MC4	445	189
	2.3	37000	634	156000	46200	36810	PH	012RF97	DRP	160MC4	530	188
	2.6	33400	574	156000	46200	36810	PHF	012RF97	DRP	160MC4	460	189
	3.0	28300	486	156000	46200	36810						
	3.5	24700	425	156000	46200	36810						
	4.0	21200	364	156000	46200	36810						
	4.5	19200	329	156000	46200	36810						
	5.3	16200	279	156000	46200	36810						
	2.0	43700	749	156000	46200	36810	P	012RF87	DRP	180S4	495	186
	2.2	39100	670	156000	46200	36810	PF	012RF87	DRP	180S4	425	187
							PH	012RF87	DRP	180S4	510	186
							PHF	012RF87	DRP	180S4	440	187
	2.0	43700	749	156000	46200	36810	P	012RF87	DRP	160MC4	465	186
	2.2	39100	670	156000	46200	36810	PF	012RF87	DRP	160MC4	395	187
	4.1	20900	359	156000	-	36810	PH	012RF87	DRP	160MC4	480	186
	4.6	18800	322	156000	46200	36810	PHF	012RF87	DRP	160MC4	410	187
	5.3	16300	280	156000	-	36810						
	6.1	14100	243	123200	29200	24830	P	002RF97	DRP	160MC4	435	180
							PF	002RF97	DRP	160MC4	380	181
							PH	002RF97	DRP	160MC4	440	180
							PHF	002RF97	DRP	160MC4	380	181
	3.2	27200	466	114000	29200	24830	P	002RF87	DRP	180S4	415	178
							PF	002RF87	DRP	180S4	360	179
							PH	002RF87	DRP	180S4	420	178
							PHF	002RF87	DRP	180S4	360	179

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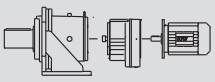
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
9.2	3.2	27200	466	114000	29200	24830	P	002RF87	DRP	160MC4	385	178
	3.8	22500	387	120800	29200	24830	PF	002RF87	DRP	160MC4	325	179
	4.1	20800	357	123100	29200	24830	PH	002RF87	DRP	160MC4	390	178
	4.6	18700	321	124000	29200	24830	PHF	002RF87	DRP	160MC4	330	179
	5.3	16200	279	124000	29200	24830						
	5.9	14500	250	124000	29200	24830						
	7.1	12000	207	117400	29200	24830						
	7.6	11200	193	115000	-	22500						
	8.3	10400	178	112300	-	23100						
	9.2	9370	161	108800	-	22200						
	11	8130	139	104300	-	20400						
	12	7280	125	100900	-	19500						
	14	6040	104	95400	-	17400						
11.0	0.41	251800	3608	850000	631300	500000	P	102RF167	DRP	180M4	4640	234
	0.46	224000	3210	850000	631300	500000	PF	102RF167	DRP	180M4	3680	235
	0.52	199100	2854	850000	-	500000	PH	102RF167	DRP	180M4	4700	234
	0.65	158500	2271	850000	-	500000	PHF	102RF167	DRP	180M4	3740	235
	0.74	139800	2004	850000	-	500000						
	0.83	124300	1781	850000	631300	500000	P	102RF167	DRP	180M4	4630	234
							PF	102RF167	DRP	180M4	3670	235
							PH	102RF167	DRP	180M4	4690	234
							PHF	102RF167	DRP	180M4	3730	235
	0.40	255200	3656	720000	513900	423000	P	092RF167	DRP	180M4	3780	232
	0.45	227000	3253	720000	513900	423000	PF	092RF167	DRP	180M4	3080	233
	0.51	201800	2891	720000	-	423000	PH	092RF167	DRP	180M4	3790	232
	0.64	160600	2301	720000	-	423000	PHF	092RF167	DRP	180M4	3100	233
	0.73	141700	2031	720000	-	423000						
	0.94	109300	1566	720000	-	423000						
	0.82	125900	1805	720000	513900	423000	P	092RF167	DRP	180M4	3780	232
							PF	092RF167	DRP	180M4	3080	233
							PH	092RF167	DRP	180M4	3790	232
							PHF	092RF167	DRP	180M4	3090	233
	0.37	281500	4034	683000	397100	359400	P	082RF167	DRP	180M4	3280	230
	0.42	244100	3497	683000	397100	359400	PF	082RF167	DRP	180M4	2630	231
							PH	082RF167	DRP	180M4	3280	230
							PHF	082RF167	DRP	180M4	2630	231
	0.47	220400	3159	523000	274600	245660	P	072RF167	DRP	180M4	2630	226
							PF	072RF167	DRP	180M4	2140	227
							PH	072RF167	DRP	180M4	2680	226
							PHF	072RF167	DRP	180M4	2190	227
	0.35	290600	4165	497800	-	245660	P	072RF147	DRP	180M4	2370	224
	0.41	251500	3604	523000	-	245660	PF	072RF147	DRP	180M4	1880	225
	0.46	221900	3180	523000	-	245660	PH	072RF147	DRP	180M4	2420	224
	0.54	191600	2747	523000	-	245660	PHF	072RF147	DRP	180M4	1930	225
	0.58	178000	2552	523000	-	245660						
	0.63	162400	2328	523000	-	245660						
	0.52	197400	2828	429500	209100	185660	P	062RF147	DRP	180M4	1940	222
	0.71	144800	2074	466200	209100	185660	PF	062RF147	DRP	180M4	1580	223
							PH	062RF147	DRP	180M4	1930	222
							PHF	062RF147	DRP	180M4	1570	223
	0.51	201200	2883	426400	209100	185660	P	062RF137	DRP	180M4	1820	220
	0.58	178500	2558	443900	209100	185660	PF	062RF137	DRP	180M4	1460	221
	0.64	162000	2321	455400	209100	185660	PH	062RF137	DRP	180M4	1810	220
	0.74	139200	1995	469500	209100	185660	PHF	062RF137	DRP	180M4	1450	221
	0.85	121500	1741	473000	209100	185660						
	0.74	139200	1995	343100	140600	124060	P	052RF137	DRP	180M4	1340	216
	0.85	121500	1741	358400	140600	124060	PF	052RF137	DRP	180M4	1140	217
	1.0	103100	1477	364000	140600	124060	PH	052RF137	DRP	180M4	1330	216
	1.1	90100	1291	364000	140600	124060	PHF	052RF137	DRP	180M4	1130	217
	0.79	130400	1869	351000	140600	124060	P	052RF107	DRP	180M4	1240	214
							PF	052RF107	DRP	180M4	1040	215
							PH	052RF107	DRP	180M4	1230	214
							PHF	052RF107	DRP	180M4	1030	215

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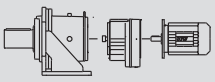
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
11.0	**1.0**	103100	1477	292500	111000	100170	**P**	**042RF137**	**DRP**	**180M4**		1200	210
	1.4	76200	1092	317100	111000	100170	**PF**	**042RF137**	**DRP**	**180M4**		1010	211
							PH	**042RF137**	**DRP**	**180M4**		1200	210
							PHF	**042RF137**	**DRP**	**180M4**		1010	211
	0.93	110500	1584	284400	111000	100170	**P**	**042RF107**	**DRP**	**180M4**		1090	208
	1.1	96500	1383	299200	111000	100170	**PF**	**042RF107**	**DRP**	**180M4**		900	209
							PH	**042RF107**	**DRP**	**180M4**		1100	208
							PHF	**042RF107**	**DRP**	**180M4**		910	209
	1.2	84200	1207	310500	111000	100170	**P**	**042RF107**	**DRP**	**180M4**		1080	208
	1.4	75500	1082	317700	111000	100170	**PF**	**042RF107**	**DRP**	**180M4**		890	209
	1.5	68100	977	323000	111000	100170	**PH**	**042RF107**	**DRP**	**180M4**		1090	208
	1.7	61900	887	323000	111000	100170	**PHF**	**042RF107**	**DRP**	**180M4**		900	209
	1.2	84200	1207	201600	86800	69620	**P**	**032RF107**	**DRP**	**180M4**		840	202
	1.4	75500	1082	215100	86800	69620	**PF**	**032RF107**	**DRP**	**180M4**		720	203
	1.5	68100	977	225100	86800	69620	**PH**	**032RF107**	**DRP**	**180M4**		860	202
	1.9	54900	787	240300	86800	69620	**PHF**	**032RF107**	**DRP**	**180M4**		740	203
	2.1	49800	714	245300	86800	69620							
	1.4	75500	1082	215100	86800	69620	**P**	**032RF97**	**DRP**	**180M4**		790	200
							PF	**032RF97**	**DRP**	**180M4**		670	201
							PH	**032RF97**	**DRP**	**180M4**		820	200
							PHF	**032RF97**	**DRP**	**180M4**		690	201
	1.7	61200	878	233500	-	69620	**P**	**032RF97**	**DRP**	**180M4**		790	200
							PF	**032RF97**	**DRP**	**180M4**		670	201
							PH	**032RF97**	**DRP**	**180M4**		810	200
							PHF	**032RF97**	**DRP**	**180M4**		690	201
	2.4	42800	614	197000	64200	51190	**P**	**022RF107**	**DRP**	**180M4**		760	196
	2.8	37400	536	197000	64200	51190	**PF**	**022RF107**	**DRP**	**180M4**		660	197
							PH	**022RF107**	**DRP**	**180M4**		770	196
							PHF	**022RF107**	**DRP**	**180M4**		670	197
	1.7	61200	878	174000	64200	51190	**P**	**022RF97**	**DRP**	**180M4**		710	194
	1.9	55100	790	184600	64200	51190	**PF**	**022RF97**	**DRP**	**180M4**		610	195
	2.1	49900	716	192600	64200	51190	**PH**	**022RF97**	**DRP**	**180M4**		730	194
	2.3	44200	634	197000	64200	51190	**PHF**	**022RF97**	**DRP**	**180M4**		620	195
	2.6	40000	574	197000	64200	51190							
	3.0	33900	486	197000	64200	51190							
	2.3	44200	634	156000	46200	36810	**P**	**012RF97**	**DRP**	**180M4**		560	188
	2.6	40000	574	156000	46200	36810	**PF**	**012RF97**	**DRP**	**180M4**		495	189
	3.0	33900	486	156000	46200	36810	**PH**	**012RF97**	**DRP**	**180M4**		580	188
	3.5	29600	425	156000	46200	36810	**PHF**	**012RF97**	**DRP**	**180M4**		510	189
	4.0	25400	364	156000	46200	36810							
	4.5	22900	329	156000	46200	36810							
	5.3	19400	279	156000	46200	36810							
	6.0	17000	244	152400	46200	36810							
	7.2	14200	204	144400	46200	36810							
	2.4	42000	602	156000	46200	36810	**P**	**012RF87**	**DRP**	**180M4**		510	186
	3.8	27100	388	156000	46200	36810	**PF**	**012RF87**	**DRP**	**180M4**		445	187
	4.1	25000	359	156000	-	36810	**PH**	**012RF87**	**DRP**	**180M4**		530	186
	4.6	22500	322	156000	46200	36810	**PHF**	**012RF87**	**DRP**	**180M4**		455	187
	5.3	19500	280	156000	-	36810							
	5.9	17400	251	153700	-	36810							
	7.1	14500	208	145300	-	34900							
	3.8	27000	387	114300	29200	24830	**P**	**002RF87**	**DRP**	**180M4**		435	178
	4.6	22400	321	121100	29200	24830	**PF**	**002RF87**	**DRP**	**180M4**		375	179
	5.3	19400	279	124000	29200	24830	**PH**	**002RF87**	**DRP**	**180M4**		435	178
	5.9	17400	250	124000	29200	24830	**PHF**	**002RF87**	**DRP**	**180M4**		380	179
	7.1	14400	207	117400	29200	24830							
	7.6	13400	193	115000	-	22500							
	8.3	12400	178	112300	-	23100							
	9.2	11200	161	108800	-	22200							
	11	9720	139	104300	-	20400							
	12	8700	125	100900	-	19500							
	14	7220	104	95400	-	17400							

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	0.41	343400	3608	850000	631300	500000	P	102RF167	DRP	180L4		4650	234
	0.46	305500	3210	850000	631300	500000	PF	102RF167	DRP	180L4		3690	235
	0.52	271600	2854	850000	-	500000	PH	102RF167	DRP	180L4		4710	234
	0.65	216100	2271	850000	-	500000	PHF	102RF167	DRP	180L4		3750	235
	0.74	190700	2004	850000	-	500000							
	0.95	147100	1546	850000	-	500000							
	1.1	126800	1332	850000	-	500000							
	0.83	169500	1781	850000	631300	500000	P	102RF167	DRP	180L4		4640	234
							PF	102RF167	DRP	180L4		3680	235
							PH	102RF167	DRP	180L4		4700	234
							PHF	102RF167	DRP	180L4		3740	235
	0.40	348000	3656	720000	513900	423000	P	092RF167	DRP	180L4		3790	232
	0.45	309600	3253	720000	513900	423000	PF	092RF167	DRP	180L4		3100	233
	0.51	275200	2891	720000	-	423000	PH	092RF167	DRP	180L4		3800	232
	0.64	219000	2301	720000	-	423000	PHF	092RF167	DRP	180L4		3110	233
	0.73	193200	2031	720000	-	423000							
	0.94	149000	1566	720000	-	423000							
	1.1	128500	1350	720000	-	423000							
	0.82	171700	1805	720000	513900	423000	P	092RF167	DRP	180L4		3790	232
	1.2	114600	1205	720000	513900	423000	PF	092RF167	DRP	180L4		3090	233
							PH	092RF167	DRP	180L4		3800	232
							PHF	092RF167	DRP	180L4		3100	233
	0.37	383900	4034	631600	397100	359400	P	082RF167	DRP	180L4		3290	230
	0.42	332900	3497	676900	397100	359400	PF	082RF167	DRP	180L4		2640	231
	0.47	296100	3112	683000	397100	359400	PH	082RF167	DRP	180L4		3290	230
	0.53	263200	2766	683000	397100	359400	PHF	082RF167	DRP	180L4		2640	231
	0.58	240700	2530	683000	397100	359400							
	0.64	218200	2293	683000	-	359400	P	082RF147	DRP	180L4		3040	228
							PF	082RF147	DRP	180L4		2390	229
							PH	082RF147	DRP	180L4		3030	228
							PHF	082RF147	DRP	180L4		2380	229
	0.47	300500	3159	485600	274600	245660	P	072RF167	DRP	180L4		2640	226
	0.57	244300	2568	523000	274600	245660	PF	072RF167	DRP	180L4		2150	227
							PH	072RF167	DRP	180L4		2690	226
							PHF	072RF167	DRP	180L4		2200	227
	0.54	261300	2747	523000	-	245660	P	072RF147	DRP	180L4		2380	224
	0.58	242800	2552	523000	-	245660	PF	072RF147	DRP	180L4		1890	225
	0.63	221400	2328	523000	-	245660	PH	072RF147	DRP	180L4		2430	224
	0.73	191600	2014	523000	-	245660	PHF	072RF147	DRP	180L4		1940	225
	0.83	169100	1777	523000	-	245660							
	0.71	197400	2074	429500	209100	185660	P	062RF147	DRP	180L4		1960	222
	0.81	174200	1830	447000	209100	185660	PF	062RF147	DRP	180L4		1590	223
	0.93	150400	1581	462800	209100	185660	PH	062RF147	DRP	180L4		1940	222
	1.0	133000	1398	473000	209100	185660	PHF	062RF147	DRP	180L4		1580	223
	1.3	111800	1175	473000	209100	185660							
	0.74	189900	1995	435400	209100	185660	P	062RF137	DRP	180L4		1840	220
	0.85	165700	1741	452900	209100	185660	PF	062RF137	DRP	180L4		1470	221
	1.0	140600	1477	468700	209100	185660	PH	062RF137	DRP	180L4		1820	220
	1.1	122900	1291	473000	209100	185660	PHF	062RF137	DRP	180L4		1460	221
	1.4	103900	1092	473000	209100	185660							
	1.3	110400	1160	473000	209100	185660	P	062RF137	DRP	180L4		1830	220
							PF	062RF137	DRP	180L4		1460	221
							PH	062RF137	DRP	180L4		1820	220
							PHF	062RF137	DRP	180L4		1450	221
	1.0	140600	1477	341900	140600	124060	P	052RF137	DRP	180L4		1350	216
	1.1	122900	1291	357300	140600	124060	PF	052RF137	DRP	180L4		1150	217
	1.4	103900	1092	364000	140600	124060	PH	052RF137	DRP	180L4		1340	216
							PHF	052RF137	DRP	180L4		1140	217
	1.6	90000	946	364000	140600	124060	P	052RF137	DRP	180L4		1340	216
	1.7	82100	863	364000	140600	124060	PF	052RF137	DRP	180L4		1140	217
							PH	052RF137	DRP	180L4		1330	216
							PHF	052RF137	DRP	180L4		1130	217

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	**1.1**	131600	1383	349900	140600	124060	**P**	**052RF107**	**DRP**	**180L4**		1250	214
							PF	**052RF107**	**DRP**	**180L4**		1050	215
							PH	**052RF107**	**DRP**	**180L4**		1240	214
							PHF	**052RF107**	**DRP**	**180L4**		1040	215
	1.4	103900	1092	291700	111000	100170	**P**	**042RF137**	**DRP**	**180L4**		1210	210
							PF	**042RF137**	**DRP**	**180L4**		1020	211
							PH	**042RF137**	**DRP**	**180L4**		1210	210
							PHF	**042RF137**	**DRP**	**180L4**		1020	211
	1.6	90000	946	305300	111000	100170	**P**	**042RF137**	**DRP**	**180L4**		1200	210
	1.7	82100	863	312300	111000	100170	**PF**	**042RF137**	**DRP**	**180L4**		1010	211
	2.0	71100	747	321000	111000	100170	**PH**	**042RF137**	**DRP**	**180L4**		1200	210
							PHF	**042RF137**	**DRP**	**180L4**		1010	211
	1.4	103000	1082	292700	111000	100170	**P**	**042RF107**	**DRP**	**180L4**		1100	208
	1.5	92900	977	302600	111000	100170	**PF**	**042RF107**	**DRP**	**180L4**		910	209
	1.7	84400	887	310300	111000	100170	**PH**	**042RF107**	**DRP**	**180L4**		1100	208
	1.9	74900	787	318100	111000	100170	**PHF**	**042RF107**	**DRP**	**180L4**		910	209
	2.1	68000	714	323000	111000	100170							
	2.4	58400	614	323000	111000	100170							
	1.9	74900	787	216000	86800	69620	**P**	**032RF107**	**DRP**	**180L4**		850	202
	2.1	68000	714	225400	86800	69620	**PF**	**032RF107**	**DRP**	**180L4**		730	203
	2.4	58400	614	236600	86800	69620	**PH**	**032RF107**	**DRP**	**180L4**		870	202
	2.8	51000	536	244200	86800	69620	**PHF**	**032RF107**	**DRP**	**180L4**		750	203
	3.2	43200	455	251200	86800	69620							
	3.0	46200	486	248600	-	69620	**P**	**032RF97**	**DRP**	**180L4**		800	200
							PF	**032RF97**	**DRP**	**180L4**		680	201
							PH	**032RF97**	**DRP**	**180L4**		820	200
							PHF	**032RF97**	**DRP**	**180L4**		700	201
	2.4	58400	614	179100	64200	51190	**P**	**022RF107**	**DRP**	**180L4**		770	196
	2.8	51000	536	191100	64200	51190	**PF**	**022RF107**	**DRP**	**180L4**		670	197
	3.2	43200	455	197000	64200	51190	**PH**	**022RF107**	**DRP**	**180L4**		780	196
	3.7	37800	397	197000	64200	51190	**PHF**	**022RF107**	**DRP**	**180L4**		680	197
	4.4	31900	336	197000	64200	51190							
	2.3	60400	634	175600	64200	51190	**P**	**022RF97**	**DRP**	**180L4**		720	194
	2.6	54600	574	185500	64200	51190	**PF**	**022RF97**	**DRP**	**180L4**		620	195
	3.0	46200	486	197000	64200	51190	**PH**	**022RF97**	**DRP**	**180L4**		740	194
	3.5	40400	425	197000	64200	51190	**PHF**	**022RF97**	**DRP**	**180L4**		640	195
	4.0	34600	364	197000	-	51190							
	4.5	31300	329	197000	-	51190							
	5.3	26500	279	197000	-	51190							
	3.5	40400	425	156000	46200	36810	**P**	**012RF97**	**DRP**	**180L4**		570	188
	4.0	34600	364	156000	46200	36810	**PF**	**012RF97**	**DRP**	**180L4**		500	189
	4.5	31300	329	156000	46200	36810	**PH**	**012RF97**	**DRP**	**180L4**		590	188
	5.3	26500	279	156000	46200	36810	**PHF**	**012RF97**	**DRP**	**180L4**		520	189
	6.0	23200	244	152400	46200	36810							
	7.2	19400	204	144400	46200	36810							
	8.4	16800	177	138300	46200	36810							
	8.7	16000	169	136400	-	36810							
	10	13600	143	129800	-	36810							
	12	11800	125	124700	-	36810							
	14	9950	105	118200	-	35000							
	3.2	44500	468	156000	46200	36810	**P**	**012RF87**	**DRP**	**180L4**		520	186
							PF	**012RF87**	**DRP**	**180L4**		455	187
							PH	**012RF87**	**DRP**	**180L4**		540	186
							PHF	**012RF87**	**DRP**	**180L4**		470	187
	6.1	23100	243	120100	29200	24830	**P**	**002RF97**	**DRP**	**180L4**		495	180
	7.3	19300	203	116800	29200	24830	**PF**	**002RF97**	**DRP**	**180L4**		435	181
	8.1	17200	181	112900	29200	24830	**PH**	**002RF97**	**DRP**	**180L4**		500	180
	8.4	16700	176	111800	29200	24830	**PHF**	**002RF97**	**DRP**	**180L4**		440	181
	9.0	15600	164	109500	29200	24830							
	11	13200	139	104200	29200	24830							
	12	11500	121	100000	29200	24830							
	15	9660	102	94800	29200	24830							
	17	8360	88	90800	29200	24830							

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
15.0	**5.3**	26500	279	115100	29200	24830	**P**	**002RF87**	**DRP**	**180L4**	445	178
	14	9850	104	95400	-	17400	**PF**	**002RF87**	**DRP**	**180L4**	385	179
							PH	**002RF87**	**DRP**	**180L4**	450	178
							PHF	**002RF87**	**DRP**	**180L4**	390	179
18.5	**0.46**	375500	3210	850000	631300	500000	**P**	**102RF167**	**DRP**	**180LC4**	4660	234
	0.52	333800	2854	850000	-	500000	**PF**	**102RF167**	**DRP**	**180LC4**	3700	235
	0.65	265600	2271	850000	-	500000	**PH**	**102RF167**	**DRP**	**180LC4**	4720	234
	0.74	234400	2004	850000	-	500000	**PHF**	**102RF167**	**DRP**	**180LC4**	3760	235
	0.96	180800	1546	850000	-	500000						
	1.1	155800	1332	850000	-	500000						
	1.2	139100	1189	850000	631300	500000	**P**	**102RF167**	**DRP**	**180LC4**	4650	234
							PF	**102RF167**	**DRP**	**180LC4**	3690	235
							PH	**102RF167**	**DRP**	**180LC4**	4710	234
							PHF	**102RF167**	**DRP**	**180LC4**	3750	235
	0.41	426900	3656	720000	513900	423000	**P**	**092RF167**	**DRP**	**200L4**	3900	232
							PF	**092RF167**	**DRP**	**200L4**	3200	233
							PH	**092RF167**	**DRP**	**200L4**	3910	232
							PHF	**092RF167**	**DRP**	**200L4**	3210	233
	0.40	427700	3656	720000	513900	423000	**P**	**092RF167**	**DRP**	**180LC4**	3800	232
	0.45	380600	3253	720000	513900	423000	**PF**	**092RF167**	**DRP**	**180LC4**	3100	233
	0.51	338300	2891	720000	-	423000	**PH**	**092RF167**	**DRP**	**180LC4**	3810	232
	0.64	269200	2301	720000	-	423000	**PHF**	**092RF167**	**DRP**	**180LC4**	3120	233
	0.73	237500	2031	720000	-	423000						
	0.94	183200	1566	720000	-	423000						
	1.1	157900	1350	720000	-	423000						
	1.2	140900	1205	720000	513900	423000	**P**	**092RF167**	**DRP**	**180LC4**	3800	232
	1.5	112700	964	720000	513900	423000	**PF**	**092RF167**	**DRP**	**180LC4**	3100	233
							PH	**092RF167**	**DRP**	**180LC4**	3810	232
							PHF	**092RF167**	**DRP**	**180LC4**	3110	233
	0.48	363300	3112	651000	397100	359400	**P**	**082RF167**	**DRP**	**200L4**	3400	230
	0.54	322900	2766	683000	397100	359400	**PF**	**082RF167**	**DRP**	**200L4**	2750	231
	0.59	295300	2530	683000	397100	359400	**PH**	**082RF167**	**DRP**	**200L4**	3390	230
	0.67	256900	2201	683000	397100	359400	**PHF**	**082RF167**	**DRP**	**200L4**	2740	231
	0.76	226700	1943	683000	397100	359400						
	0.88	196600	1684	683000	397100	359400						
	0.99	174900	1498	683000	397100	359400						
	1.2	150700	1291	683000	397100	359400						
	0.42	409100	3497	606000	397100	359400	**P**	**082RF167**	**DRP**	**180LC4**	3300	230
	0.48	364000	3112	650300	397100	359400	**PF**	**082RF167**	**DRP**	**180LC4**	2650	231
	0.54	323600	2766	683000	397100	359400	**PH**	**082RF167**	**DRP**	**180LC4**	3300	230
	0.59	295900	2530	683000	397100	359400	**PHF**	**082RF167**	**DRP**	**180LC4**	2650	231
	0.67	257500	2201	683000	397100	359400						
	0.76	227200	1943	683000	397100	359400						
	0.88	197000	1684	683000	397100	359400						
	0.65	267700	2293	683000	-	359400	**P**	**082RF147**	**DRP**	**200L4**	3140	228
	0.85	204400	1751	683000	-	359400	**PF**	**082RF147**	**DRP**	**200L4**	2490	229
	0.98	176500	1512	683000	-	359400	**PH**	**082RF147**	**DRP**	**200L4**	3130	228
	1.1	156100	1338	683000	-	359400	**PHF**	**082RF147**	**DRP**	**200L4**	2480	229
	1.3	131200	1141	683000	-	359400						
	0.65	268200	2293	683000	-	359400	**P**	**082RF147**	**DRP**	**180LC4**	3040	228
							PF	**082RF147**	**DRP**	**180LC4**	2400	229
							PH	**082RF147**	**DRP**	**180LC4**	3040	228
							PHF	**082RF147**	**DRP**	**180LC4**	2390	229
	0.98	177500	1521	523000	274600	245660	**P**	**072RF167**	**DRP**	**200L4**	2740	226
	1.4	124300	1065	523000	274600	245660	**PF**	**072RF167**	**DRP**	**200L4**	2250	227
							PH	**072RF167**	**DRP**	**200L4**	2800	226
							PHF	**072RF167**	**DRP**	**200L4**	2300	227
	0.58	300300	2568	485900	274600	245660	**P**	**072RF167**	**DRP**	**180LC4**	2650	226
	0.97	177800	1521	523000	274600	245660	**PF**	**072RF167**	**DRP**	**180LC4**	2160	227
							PH	**072RF167**	**DRP**	**180LC4**	2700	226
							PHF	**072RF167**	**DRP**	**180LC4**	2210	227

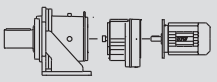
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
18.5	0.74	235100	2014	523000	-	245660	P	072RF147	DRP	200L4		2480	224
	0.83	207400	1777	523000	-	245660	PF	072RF147	DRP	200L4		1990	225
	1.1	158400	1358	523000	-	245660	PH	072RF147	DRP	200L4		2540	224
	1.3	133100	1141	523000	-	245660	PHF	072RF147	DRP	200L4		2040	225
	1.6	107500	922	523000	-	245660							
	0.64	272200	2328	518700	-	245660	P	072RF147	DRP	180LC4		2390	224
	0.73	235600	2014	523000	-	245660	PF	072RF147	DRP	180LC4		1900	225
	0.83	207800	1777	523000	-	245660	PH	072RF147	DRP	180LC4		2440	224
	0.96	179500	1535	523000	-	245660	PHF	072RF147	DRP	180LC4		1950	225
	1.1	158800	1358	523000	-	245660							
	1.3	133400	1141	523000	-	245660							
	0.94	184500	1581	439500	209100	185660	P	062RF147	DRP	200L4		2060	222
	1.1	163200	1398	454600	209100	185660	PF	062RF147	DRP	200L4		1700	223
	1.3	137200	1175	470700	209100	185660	PH	062RF147	DRP	200L4		2050	222
	1.6	110800	949	473000	209100	185660	PHF	062RF147	DRP	200L4		1680	223
	0.81	214100	1830	415400	209100	185660	P	062RF147	DRP	180LC4		1960	222
	0.94	184900	1581	439200	209100	185660	PF	062RF147	DRP	180LC4		1600	223
	1.1	163500	1398	454400	209100	185660	PH	062RF147	DRP	180LC4		1950	222
	1.3	137400	1175	470500	209100	185660	PHF	062RF147	DRP	180LC4		1590	223
	1.6	111000	949	473000	209100	185660							
	1.8	93600	802	473000	209100	185660	P	062RF147	DRP	200L4		2050	222
							PF	062RF147	DRP	200L4		1680	223
							PH	062RF147	DRP	200L4		2040	222
							PHF	062RF147	DRP	200L4		1670	223
	0.85	203300	1741	424700	209100	185660	P	062RF137	DRP	200L4		1940	220
	1.4	127400	1092	473000	209100	185660	PF	062RF137	DRP	200L4		1580	221
							PH	062RF137	DRP	200L4		1930	220
							PHF	062RF137	DRP	200L4		1560	221
	0.85	203700	1741	424300	209100	185660	P	062RF137	DRP	180LC4		1840	220
	1.0	172800	1477	448000	209100	185660	PF	062RF137	DRP	180LC4		1480	221
	1.2	151000	1291	462400	209100	185660	PH	062RF137	DRP	180LC4		1830	220
	1.4	127700	1092	473000	209100	185660	PHF	062RF137	DRP	180LC4		1470	221
	1.7	100700	863	473000	209100	185660	P	062RF137	DRP	200L4		1930	220
	2.0	87200	747	473000	209100	185660	PF	062RF137	DRP	200L4		1570	221
	2.2	76900	659	473000	209100	185660	PH	062RF137	DRP	200L4		1920	220
							PHF	062RF137	DRP	200L4		1560	221
	1.3	135700	1160	471500	209100	185660	P	062RF137	DRP	180LC4		1840	220
	1.6	110700	946	473000	209100	185660	PF	062RF137	DRP	180LC4		1470	221
	1.7	100900	863	473000	209100	185660	PH	062RF137	DRP	180LC4		1820	220
							PHF	062RF137	DRP	180LC4		1460	221
	1.4	127400	1092	353500	140600	124060	P	052RF137	DRP	200L4		1460	216
							PF	052RF137	DRP	200L4		1260	217
							PH	052RF137	DRP	200L4		1450	216
							PHF	052RF137	DRP	200L4		1250	217
	1.4	127700	1092	353300	140600	124060	P	052RF137	DRP	180LC4		1360	216
							PF	052RF137	DRP	180LC4		1160	217
							PH	052RF137	DRP	180LC4		1350	216
							PHF	052RF137	DRP	180LC4		1150	217
	1.6	110500	946	364000	140600	124060	P	052RF137	DRP	200L4		1450	216
	1.7	100700	863	364000	140600	124060	PF	052RF137	DRP	200L4		1250	217
	2.0	87200	747	364000	140600	124060	PH	052RF137	DRP	200L4		1440	216
	2.2	76900	659	364000	140600	124060	PHF	052RF137	DRP	200L4		1240	217
	2.6	66400	569	364000	140600	124060							
	3.0	58700	503	364000	140600	124060							
	1.6	110700	946	364000	140600	124060	P	052RF137	DRP	180LC4		1350	216
	1.7	100900	863	364000	140600	124060	PF	052RF137	DRP	180LC4		1150	217
	2.0	87400	747	364000	140600	124060	PH	052RF137	DRP	180LC4		1340	216
	2.2	77100	659	364000	140600	124060	PHF	052RF137	DRP	180LC4		1140	217
	2.8	62500	536	364000	140600	124060	P	052RF107	DRP	200L4		1340	214
	3.3	53000	455	364000	140600	124060	PF	052RF107	DRP	200L4		1140	215
							PH	052RF107	DRP	200L4		1340	214
							PHF	052RF107	DRP	200L4		1140	215

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}								m	
					f_{LC}<=7.5	f_{LC}>107.5								
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]							[kg]	
18.5	2.1	83500	714	364000	140600	124060	P	052RF107	DRP	180LC4	1250	214
	2.4	71800	614	364000	140600	124060	PF	052RF107	DRP	180LC4	1050	215
							PH	052RF107	DRP	180LC4	1240	214
							PHF	052RF107	DRP	180LC4	1040	215
	1.6	110500	946	284400	111000	100170	P	042RF137	DRP	200L4	1300	210
	1.7	100700	863	295000	111000	100170	PF	042RF137	DRP	200L4	1110	211
	2.0	87200	747	307900	111000	100170	PH	042RF137	DRP	200L4	1300	210
	2.6	66400	569	323000	111000	100170	PHF	042RF137	DRP	200L4	1120	211
	3.5	49400	423	323000	111000	100170						
	1.6	110700	946	284200	111000	100170	P	042RF137	DRP	180LC4	1210	210
	1.7	100900	863	294800	111000	100170	PF	042RF137	DRP	180LC4	1020	211
	2.0	87400	747	307800	111000	100170	PH	042RF137	DRP	180LC4	1210	210
	2.6	66600	569	323000	111000	100170	PHF	042RF137	DRP	180LC4	1020	211
	1.7	103600	887	292000	111000	100170	P	042RF107	DRP	200L4	1200	208
	2.1	83400	714	311200	111000	100170	PF	042RF107	DRP	200L4	1010	209
	2.4	71700	614	320600	111000	100170	PH	042RF107	DRP	200L4	1200	208
	2.8	62500	536	323000	111000	100170	PHF	042RF107	DRP	200L4	1010	209
	3.3	53000	455	323000	111000	100170						
	3.7	46300	397	322700	111000	100170						
	1.7	103800	887	291800	111000	100170	P	042RF107	DRP	180LC4	1100	208
	1.9	92100	787	303500	111000	100170	PF	042RF107	DRP	180LC4	910	209
	2.1	83500	714	311100	111000	100170	PH	042RF107	DRP	180LC4	1110	208
	2.4	71800	614	320500	111000	100170	PHF	042RF107	DRP	180LC4	920	209
	2.8	62700	536	323000	111000	100170						
	3.3	53100	455	323000	111000	100170						
	2.1	83400	714	203000	86800	69620	P	032RF107	DRP	200L4	950	202
	2.4	71700	614	220500	86800	69620	PF	032RF107	DRP	200L4	830	203
	2.8	62500	536	232000	86800	69620	PH	032RF107	DRP	200L4	970	202
	3.3	53000	455	242200	86800	69620	PHF	032RF107	DRP	200L4	850	203
	3.7	46300	397	248500	86800	69620						
	4.4	39200	336	248400	86800	69620						
	4.8	35900	308	242000	86800	69620						
	5.7	30500	261	230400	86800	69620						
	6.5	26600	228	221200	86800	69620						
	2.1	83500	714	202700	86800	69620	P	032RF107	DRP	180LC4	860	202
	2.4	71800	614	220300	86800	69620	PF	032RF107	DRP	180LC4	740	203
	2.8	62700	536	231800	86800	69620	PH	032RF107	DRP	180LC4	880	202
	3.3	53100	455	242100	86800	69620	PHF	032RF107	DRP	180LC4	760	203
	3.7	46400	397	248400	86800	69620						
	4.4	39300	336	248600	86800	69620						
	4.5	38500	329	247100	-	69620	P	032RF97	DRP	180LC4	810	200
	5.3	32600	279	235100	-	69620	PF	032RF97	DRP	180LC4	690	201
							PH	032RF97	DRP	180LC4	830	200
							PHF	032RF97	DRP	180LC4	710	201
	2.8	62500	536	171500	64200	51190	P	022RF107	DRP	200L4	870	196
	3.3	53000	455	187900	64200	51190	PF	022RF107	DRP	200L4	770	197
	3.7	46300	397	197000	64200	51190	PH	022RF107	DRP	200L4	890	196
	4.4	39200	336	197000	64200	51190	PHF	022RF107	DRP	200L4	790	197
	4.8	35900	308	197000	64200	51190						
	5.7	30500	261	197000	64200	51190						
	6.5	26600	228	197000	64200	51190						
	7.7	22500	193	197000	64200	51190						
	8.6	20100	172	197000	64200	51190						
	9.4	18400	158	197000	64200	51190						
	2.8	62700	536	171200	64200	51190	P	022RF107	DRP	180LC4	780	196
	3.3	53100	455	187800	64200	51190	PF	022RF107	DRP	180LC4	680	197
	3.7	46400	397	197000	64200	51190	PH	022RF107	DRP	180LC4	790	196
	4.4	39300	336	197000	64200	51190	PHF	022RF107	DRP	180LC4	690	197
	4.8	36000	308	197000	64200	51190						
	5.7	30500	261	197000	64200	51190						
	6.5	26700	228	197000	64200	51190						
	7.7	22600	193	197000	64200	51190						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
18.5	**3.0**	56700	486	181900	64200	51190	**P**	**022RF97**	**DRP**	**200L4**		830	194
	4.5	38400	329	197000	-	51190	**PF**	**022RF97**	**DRP**	**200L4**		720	195
	5.3	32500	279	197000	-	51190	**PH**	**022RF97**	**DRP**	**200L4**		840	194
	6.1	28400	244	197000	-	51190	**PHF**	**022RF97**	**DRP**	**200L4**		740	195
	7.3	23800	204	197000	-	51190							
	8.4	20600	177	197000	-	51190							
	3.0	56800	486	181700	64200	51190	**P**	**022RF97**	**DRP**	**180LC4**		730	194
	4.1	42600	364	197000	-	51190	**PF**	**022RF97**	**DRP**	**180LC4**		630	195
	4.5	38500	329	197000	-	51190	**PH**	**022RF97**	**DRP**	**180LC4**		750	194
	5.3	32600	279	197000	-	51190	**PHF**	**022RF97**	**DRP**	**180LC4**		640	195
	6.1	28500	244	197000	-	51190							
	7.3	23800	204	197000	-	51190							
	8.4	20600	177	197000	-	51190							
	8.8	19700	169	197000	-	40000							
	8.6	20100	172	137100	46200	36810	**P**	**012RF107**	**DRP**	**200L4**		720	190
	9.4	18400	158	133500	46200	36810	**PF**	**012RF107**	**DRP**	**200L4**		650	191
	11	15600	134	127100	46200	36810	**PH**	**012RF107**	**DRP**	**200L4**		740	190
	13	13600	117	122100	46200	36810	**PHF**	**012RF107**	**DRP**	**200L4**		670	191
	15	11500	99	116100	46200	36810							
	8.6	20100	172	137200	46200	36810	**P**	**012RF107**	**DRP**	**180LC4**		630	190
	9.4	18400	158	133600	46200	36810	**PF**	**012RF107**	**DRP**	**180LC4**		560	191
	11	15600	134	127200	46200	36810	**PH**	**012RF107**	**DRP**	**180LC4**		640	190
	13	13700	117	122100	46200	36810	**PHF**	**012RF107**	**DRP**	**180LC4**		570	191
	4.1	42500	364	156000	46200	36810	**P**	**012RF97**	**DRP**	**200L4**		680	188
	4.5	38400	329	156000	46200	36810	**PF**	**012RF97**	**DRP**	**200L4**		610	189
	6.1	28400	244	152100	46200	36810	**PH**	**012RF97**	**DRP**	**200L4**		690	188
	7.3	23800	204	144200	46200	36810	**PHF**	**012RF97**	**DRP**	**200L4**		620	189
	8.4	20600	177	138100	46200	36810							
	8.8	19700	169	136300	-	36810							
	10	16700	143	129700	-	36810							
	12	14500	125	124500	-	36810							
	14	12200	105	118000	-	35000							
	16	10500	91	113000	-	32100							
	4.1	42600	364	156000	46200	36810	**P**	**012RF97**	**DRP**	**180LC4**		580	188
	4.5	38500	329	156000	46200	36810	**PF**	**012RF97**	**DRP**	**180LC4**		510	189
	5.3	32600	279	156000	46200	36810	**PH**	**012RF97**	**DRP**	**180LC4**		600	188
	6.1	28500	244	152200	46200	36810	**PHF**	**012RF97**	**DRP**	**180LC4**		530	189
	7.3	23800	204	144300	46200	36810							
	8.4	20600	177	138200	46200	36810							
	8.8	19700	169	136300	-	36810							
	10	16700	143	129700	-	36810							
	12	14600	125	124600	-	36810							
	14	12200	105	118100	-	35000							
	16	10500	91	113100	-	32100							
	3.8	45400	388	156000	46200	36810	**P**	**012RF87**	**DRP**	**180LC4**		530	186
	4.6	37700	322	156000	46200	36810	**PF**	**012RF87**	**DRP**	**180LC4**		465	187
							PH	**012RF87**	**DRP**	**180LC4**		550	186
							PHF	**012RF87**	**DRP**	**180LC4**		475	187
	6.1	28300	243	112100	29200	24830	**P**	**002RF97**	**DRP**	**200L4**		600	180
	9.0	19100	164	109300	29200	24830	**PF**	**002RF97**	**DRP**	**200L4**		540	181
	11	16200	139	104000	29200	24830	**PH**	**002RF97**	**DRP**	**200L4**		600	180
	12	14100	121	99900	29200	24830	**PHF**	**002RF97**	**DRP**	**200L4**		540	181
	15	11800	102	94700	29200	24830							
	17	10200	88	90600	29200	24830							
	6.1	28400	243	112000	29200	24830	**P**	**002RF97**	**DRP**	**180LC4**		500	180
	7.3	23700	203	116700	29200	24830	**PF**	**002RF97**	**DRP**	**180LC4**		445	181
	8.4	20500	176	111700	29200	24830	**PH**	**002RF97**	**DRP**	**180LC4**		510	180
	9.0	19100	164	109400	29200	24830	**PHF**	**002RF97**	**DRP**	**180LC4**		450	181
	11	16200	139	104100	29200	24830							
	12	14100	121	99900	29200	24830							
	15	11800	102	94700	29200	24830							
	17	10200	88	90700	29200	24830							
22	**0.41**	508000	3656	671800	513900	423000	**P**	**092RF167**	**DRP**	**200L4**		3900	232
	0.46	452000	3253	720000	513900	423000	**PF**	**092RF167**	**DRP**	**200L4**		3200	233
							PH	**092RF167**	**DRP**	**200L4**		3910	232
							PHF	**092RF167**	**DRP**	**200L4**		3210	233

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SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
22	**0.54**	384300	2766	631300	397100	359400	**P**	**082RF167**	**DRP**	**200L4**	3400	230
	0.59	351400	2530	661500	397100	359400	**PF**	**082RF167**	**DRP**	**200L4**	2750	231
	0.67	305800	2201	683000	397100	359400	**PH**	**082RF167**	**DRP**	**200L4**	3390	230
	0.76	269800	1943	683000	397100	359400	**PHF**	**082RF167**	**DRP**	**200L4**	2740	231
	0.88	233900	1684	683000	397100	359400						
	0.99	208100	1498	683000	397100	359400						
	1.2	179400	1291	683000	397100	359400						
	0.65	318500	2293	683000	-	359400	**P**	**082RF147**	**DRP**	**200L4**	3140	228
	0.85	243200	1751	683000	-	359400	**PF**	**082RF147**	**DRP**	**200L4**	2490	229
	0.98	210100	1512	683000	-	359400	**PH**	**082RF147**	**DRP**	**200L4**	3130	228
	1.1	185800	1338	683000	-	359400	**PHF**	**082RF147**	**DRP**	**200L4**	2480	229
	1.3	156100	1141	683000	-	359400						
	0.97	211200	1521	523000	274600	245660	**P**	**072RF167**	**DRP**	**200L4**	2740	226
	1.4	147900	1065	523000	274600	245660	**PF**	**072RF167**	**DRP**	**200L4**	2250	227
							PH	**072RF167**	**DRP**	**200L4**	2800	226
							PHF	**072RF167**	**DRP**	**200L4**	2300	227
	0.74	279800	2014	510300	-	245660	**P**	**072RF147**	**DRP**	**200L4**	2480	224
	0.83	246800	1777	523000	-	245660	**PF**	**072RF147**	**DRP**	**200L4**	1990	225
	1.1	188600	1358	523000	-	245660	**PH**	**072RF147**	**DRP**	**200L4**	2540	224
	1.3	158500	1141	523000	-	245660	**PHF**	**072RF147**	**DRP**	**200L4**	2040	225
	1.6	128000	922	523000	-	245660						
	0.94	219600	1581	410500	209100	185660	**P**	**062RF147**	**DRP**	**200L4**	2060	222
	1.1	194200	1398	432000	209100	185660	**PF**	**062RF147**	**DRP**	**200L4**	1700	223
	1.3	163200	1175	454600	209100	185660	**PH**	**062RF147**	**DRP**	**200L4**	2050	222
	1.6	131800	949	473000	209100	185660	**PHF**	**062RF147**	**DRP**	**200L4**	1680	223
	1.8	111400	802	473000	209100	185660	**P**	**062RF147**	**DRP**	**200L4**	2050	222
							PF	**062RF147**	**DRP**	**200L4**	1680	223
							PH	**062RF147**	**DRP**	**200L4**	2040	222
							PHF	**062RF147**	**DRP**	**200L4**	1670	223
	1.0	205200	1477	423100	209100	185660	**P**	**062RF137**	**DRP**	**200L4**	1940	220
	1.4	151600	1092	462000	209100	185660	**PF**	**062RF137**	**DRP**	**200L4**	1580	221
							PH	**062RF137**	**DRP**	**200L4**	1930	220
							PHF	**062RF137**	**DRP**	**200L4**	1560	221
	1.7	119900	863	473000	209100	185660	**P**	**062RF137**	**DRP**	**200L4**	1930	220
	2.0	103700	747	473000	209100	185660	**PF**	**062RF137**	**DRP**	**200L4**	1570	221
	2.2	91500	659	473000	209100	185660	**PH**	**062RF137**	**DRP**	**200L4**	1920	220
							PHF	**062RF137**	**DRP**	**200L4**	1560	221
	1.6	131500	946	350100	140600	124060	**P**	**052RF137**	**DRP**	**200L4**	1450	216
	1.7	119900	863	359700	140600	124060	**PF**	**052RF137**	**DRP**	**200L4**	1250	217
	2.0	103700	747	364000	140600	124060	**PH**	**052RF137**	**DRP**	**200L4**	1440	216
	2.2	91500	659	364000	140600	124060	**PHF**	**052RF137**	**DRP**	**200L4**	1240	217
	2.6	79000	569	364000	140600	124060						
	2.9	69900	503	364000	140600	124060						
	2.8	74400	536	364000	140600	124060	**P**	**052RF107**	**DRP**	**200L4**	1340	214
	3.3	63100	455	364000	140600	124060	**PF**	**052RF107**	**DRP**	**200L4**	1140	215
							PH	**052RF107**	**DRP**	**200L4**	1340	214
							PHF	**052RF107**	**DRP**	**200L4**	1140	215
	2.0	103700	747	291800	111000	100170	**P**	**042RF137**	**DRP**	**200L4**	1300	210
	2.6	79000	569	314800	111000	100170	**PF**	**042RF137**	**DRP**	**200L4**	1110	211
	3.5	58700	423	323000	111000	100170	**PH**	**042RF137**	**DRP**	**200L4**	1300	210
							PHF	**042RF137**	**DRP**	**200L4**	1120	211
	1.9	109300	787	285700	111000	100170	**P**	**042RF107**	**DRP**	**200L4**	1200	208
	2.1	99200	714	296500	111000	100170	**PF**	**042RF107**	**DRP**	**200L4**	1010	209
	2.4	85300	614	309600	111000	100170	**PH**	**042RF107**	**DRP**	**200L4**	1200	208
	2.8	74400	536	318500	111000	100170	**PHF**	**042RF107**	**DRP**	**200L4**	1010	209
	3.3	63100	455	323000	111000	100170						
	3.7	55200	397	322700	111000	100170						
	2.4	85300	614	199800	86800	69620	**P**	**032RF107**	**DRP**	**200L4**	950	202
	2.8	74400	536	216700	86800	69620	**PF**	**032RF107**	**DRP**	**200L4**	830	203
	3.3	63100	455	231300	86800	69620	**PH**	**032RF107**	**DRP**	**200L4**	970	202
	3.7	55200	397	240100	86800	69620	**PHF**	**032RF107**	**DRP**	**200L4**	850	203
	4.4	46600	336	248200	86800	69620						
	4.8	42800	308	242000	86800	69620						
	5.7	36300	261	230400	86800	69620						
	6.5	31700	228	221200	86800	69620						

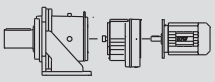
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
22	**3.3**	63100	455	170300	64200	51190	**P**	**022RF107**	**DRP**	**200L4**		870	196
	3.7	55200	397	184500	64200	51190	**PF**	**022RF107**	**DRP**	**200L4**		770	197
	4.4	46600	336	197000	64200	51190	**PH**	**022RF107**	**DRP**	**200L4**		890	196
	4.8	42800	308	197000	64200	51190	**PHF**	**022RF107**	**DRP**	**200L4**		790	197
	5.7	36300	261	197000	64200	51190							
	6.5	31700	228	197000	64200	51190							
	7.7	26800	193	197000	64200	51190							
	8.6	23900	172	197000	64200	51190							
	9.4	21900	158	197000	64200	51190							
	3.5	59000	425	178100	64200	51190	**P**	**022RF97**	**DRP**	**200L4**		830	194
	4.5	45700	329	197000	-	51190	**PF**	**022RF97**	**DRP**	**200L4**		720	195
	5.3	38700	279	197000	-	51190	**PH**	**022RF97**	**DRP**	**200L4**		840	194
	6.1	33800	244	197000	-	51190	**PHF**	**022RF97**	**DRP**	**200L4**		740	195
	7.3	28300	204	197000	-	51190							
	8.4	24500	177	197000	-	51190							
	8.6	23900	172	137100	46200	36810	**P**	**012RF107**	**DRP**	**200L4**		720	190
	9.4	21900	158	133600	46200	36810	**PF**	**012RF107**	**DRP**	**200L4**		650	191
	11	18600	134	127100	46200	36810	**PH**	**012RF107**	**DRP**	**200L4**		740	190
	13	16200	117	122100	46200	36810	**PHF**	**012RF107**	**DRP**	**200L4**		670	191
	15	13700	99	116100	46200	36810							
	4.5	45700	329	156000	46200	36810	**P**	**012RF97**	**DRP**	**200L4**		680	188
	5.3	38700	279	156000	46200	36810	**PF**	**012RF97**	**DRP**	**200L4**		610	189
	6.1	33800	244	152100	46200	36810	**PH**	**012RF97**	**DRP**	**200L4**		690	188
	7.3	28300	204	144200	46200	36810	**PHF**	**012RF97**	**DRP**	**200L4**		620	189
	8.4	24500	177	138100	46200	36810							
	8.8	23400	169	136300	-	36810							
	10	19800	143	129700	-	36810							
	12	17300	125	124500	-	36810							
	14	14500	105	118000	-	35000							
	16	12500	91	113000	-	32100							
	7.3	28200	203	112300	29200	24830	**P**	**002RF97**	**DRP**	**200L4**		600	180
	8.2	25100	181	112700	29200	24830	**PF**	**002RF97**	**DRP**	**200L4**		540	181
	9.0	22700	164	109300	29200	24830	**PH**	**002RF97**	**DRP**	**200L4**		600	180
	11	19300	139	104000	29200	24830	**PHF**	**002RF97**	**DRP**	**200L4**		540	181
	12	16800	121	99900	29200	24830							
	15	14100	102	94700	29200	24830							
	17	12200	88	90700	29200	24830							
30	**0.46**	609000	3210	805700	631300	500000	**P**	**102RF167**	**DRP**	**225S4**		4780	234
	0.52	541300	2854	850000	-	500000	**PF**	**102RF167**	**DRP**	**225S4**		3830	235
	0.65	430800	2271	850000	-	500000	**PH**	**102RF167**	**DRP**	**225S4**		4850	234
	0.74	380100	2004	850000	-	500000	**PHF**	**102RF167**	**DRP**	**225S4**		3890	235
	0.96	293200	1546	850000	-	500000							
	1.1	252700	1332	850000	-	500000							
	1.2	225500	1189	850000	631300	500000	**P**	**102RF167**	**DRP**	**225S4**		4780	234
	1.6	180400	951	850000	631300	500000	**PF**	**102RF167**	**DRP**	**225S4**		3820	235
	1.8	160400	846	850000	631300	500000	**PH**	**102RF167**	**DRP**	**225S4**		4840	234
	2.0	139800	737	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**225S4**		3880	235
	2.2	124700	657	850000	631300	500000							
	0.51	548600	2891	622900	-	423000	**P**	**092RF167**	**DRP**	**225S4**		3930	232
	0.64	436500	2301	720000	-	423000	**PF**	**092RF167**	**DRP**	**225S4**		3230	233
	0.73	385200	2031	720000	-	423000	**PH**	**092RF167**	**DRP**	**225S4**		3940	232
	0.94	297100	1566	720000	-	423000	**PHF**	**092RF167**	**DRP**	**225S4**		3250	233
	1.1	256100	1350	720000	-	423000							
	1.2	228500	1205	720000	513900	423000	**P**	**092RF167**	**DRP**	**225S4**		3920	232
	1.5	182800	964	720000	513900	423000	**PF**	**092RF167**	**DRP**	**225S4**		3230	233
	1.7	162600	857	720000	513900	423000	**PH**	**092RF167**	**DRP**	**225S4**		3940	232
	2.0	141600	747	720000	513900	423000	**PHF**	**092RF167**	**DRP**	**225S4**		3240	233
	2.2	126400	666	720000	513900	423000							
	2.6	107700	568	720000	513900	423000							
	0.67	417500	2201	597000	397100	359400	**P**	**082RF167**	**DRP**	**225S4**		3430	230
	0.76	368500	1943	646200	397100	359400	**PF**	**082RF167**	**DRP**	**225S4**		2780	231
	0.88	319400	1684	683000	397100	359400	**PH**	**082RF167**	**DRP**	**225S4**		3430	230
	0.99	284200	1498	683000	397100	359400	**PHF**	**082RF167**	**DRP**	**225S4**		2780	231
	1.2	245000	1291	683000	397100	359400							
	1.4	199000	1049	683000	397100	359400							

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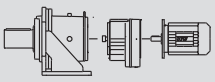
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
30	0.97	288400	1521	500300	274600	245660	P	072RF167	DRP	225S4	2780	226
	1.4	202000	1065	523000	274600	245660	PF	072RF167	DRP	225S4	2280	227
							PH	072RF167	DRP	225S4	2830	226
							PHF	072RF167	DRP	225S4	2340	227
	1.1	257500	1358	523000	-	245660	P	072RF147	DRP	225S4	2520	224
	1.3	216400	1141	523000	-	245660	PF	072RF147	DRP	225S4	2030	225
	1.6	174800	922	523000	-	245660	PH	072RF147	DRP	225S4	2570	224
							PHF	072RF147	DRP	225S4	2080	225
	1.9	147600	779	523000	274600	245660	P	072RF147	DRP	225S4	2500	224
							PF	072RF147	DRP	225S4	2010	225
							PH	072RF147	DRP	225S4	2560	224
							PHF	072RF147	DRP	225S4	2070	225
	1.6	180000	949	442800	209100	185660	P	062RF147	DRP	225S4	2090	222
							PF	062RF147	DRP	225S4	1730	223
							PH	062RF147	DRP	225S4	2080	222
							PHF	062RF147	DRP	225S4	1720	223
	1.8	152100	802	461700	209100	185660	P	062RF147	DRP	225S4	2080	222
	2.1	134200	708	472300	209100	185660	PF	062RF147	DRP	225S4	1720	223
	2.4	116300	614	473000	209100	185660	PH	062RF147	DRP	225S4	2070	222
							PHF	062RF147	DRP	225S4	1710	223
	1.4	207100	1092	421500	209100	185660	P	062RF137	DRP	225S4	1970	220
							PF	062RF137	DRP	225S4	1610	221
							PH	062RF137	DRP	225S4	1960	220
							PHF	062RF137	DRP	225S4	1600	221
	1.7	163700	863	454200	209100	185660	P	062RF137	DRP	225S4	1960	220
	2.0	141700	747	468000	209100	185660	PF	062RF137	DRP	225S4	1600	221
	2.2	125000	659	473000	209100	185660	PH	062RF137	DRP	225S4	1950	220
	2.6	108000	569	473000	209100	185660	PHF	062RF137	DRP	225S4	1590	221
	2.9	95500	503	473000	209100	185660						
	2.0	141700	747	340800	140600	124060	P	052RF137	DRP	225S4	1480	216
	2.2	125000	659	355500	140600	124060	PF	052RF137	DRP	225S4	1280	217
	2.6	108000	569	364000	140600	124060	PH	052RF137	DRP	225S4	1470	216
	2.9	95500	503	364000	140600	124060	PHF	052RF137	DRP	225S4	1270	217
	3.5	80200	423	364000	140600	124060						
	2.1	135500	714	346500	140600	124060	P	052RF107	DRP	225S4	1380	214
							PF	052RF107	DRP	225S4	1180	215
							PH	052RF107	DRP	225S4	1370	214
							PHF	052RF107	DRP	225S4	1170	215
	2.6	108000	569	287300	111000	100170	P	042RF137	DRP	225S4	1340	210
	3.5	80200	423	313900	111000	100170	PF	042RF137	DRP	225S4	1150	211
	4.3	64800	342	308600	111000	100170	PH	042RF137	DRP	225S4	1340	210
	5.0	56500	298	296100	111000	100170	PHF	042RF137	DRP	225S4	1150	211
	5.9	47400	250	281100	111000	100170						
	2.8	101600	536	294000	111000	100170	P	042RF107	DRP	225S4	1230	208
	3.3	86200	455	308800	111000	100170	PF	042RF107	DRP	225S4	1040	209
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	4.4	63700	336	307100	111000	100170	PHF	042RF107	DRP	225S4	1050	209
	4.8	58400	308	299200	111000	100170						
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	3.3	86200	455	198200	86800	69620	P	032RF107	DRP	225S4	990	202
	3.7	75300	397	215400	86800	69620	PF	032RF107	DRP	225S4	860	203
	4.4	63700	336	230600	86800	69620	PH	032RF107	DRP	225S4	1010	202
	4.8	58400	308	236600	86800	69620	PHF	032RF107	DRP	225S4	890	203
	5.7	49600	261	230500	86800	69620						
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	7.7	36600	193	210500	86800	69620						
	8.6	32600	172	203400	-	69620						
	9.4	29900	158	198200	-	58500						
	11	25400	134	188600	-	58500						
	13	22200	117	181100	-	58500						
	15	18700	99	172300	-	57100						
	16	17100	91	167700	-	32100	P	032RF97	DRP	225S4	940	200
							PF	032RF97	DRP	225S4	820	201
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
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	4.8	58400	308	179000	64200	51190	**PF**	**022RF107**	**DRP**	**225S4**		800	197
	5.7	49600	261	193200	64200	51190	**PH**	**022RF107**	**DRP**	**225S4**		920	196
	6.5	43300	228	197000	64200	51190	**PHF**	**022RF107**	**DRP**	**225S4**		820	197
	7.7	36600	193	197000	64200	51190							
	8.6	32600	172	197000	64200	51190							
	9.4	29900	158	197000	64200	51190							
	8.6	32600	172	137200	46200	36810	**P**	**012RF107**	**DRP**	**225S4**		760	190
	9.4	29900	158	133600	46200	36810	**PF**	**012RF107**	**DRP**	**225S4**		690	191
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	16	17100	91	113100	-	32100	**PF**	**012RF97**	**DRP**	**225S4**		640	189
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							PHF	**012RF97**	**DRP**	**225S4**		660	189
	11	24600	130	102100	29200	24830	**P**	**002RF107**	**DRP**	**225S4**		680	182
	13	21500	114	98000	29200	24830	**PF**	**002RF107**	**DRP**	**225S4**		620	183
	15	18200	96	93200	29200	24830	**PH**	**002RF107**	**DRP**	**225S4**		680	182
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	11	26300	139	104100	29200	24830	**P**	**002RF97**	**DRP**	**225S4**		630	180
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37	**0.65**	530600	2271	850000	-	500000	**P**	**102RF167**	**DRP**	**225M4**		4810	234
	0.74	468200	2004	850000	-	500000	**PF**	**102RF167**	**DRP**	**225M4**		3850	235
	0.96	361100	1546	850000	-	500000	**PH**	**102RF167**	**DRP**	**225M4**		4870	234
	1.1	311300	1332	850000	-	500000	**PHF**	**102RF167**	**DRP**	**225M4**		3910	235
	1.2	277800	1189	850000	631300	500000	**P**	**102RF167**	**DRP**	**225M4**		4800	234
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	2.0	172200	737	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**225M4**		3900	235
	2.2	153600	657	850000	631300	500000							
	2.6	130900	561	850000	631300	500000							
	0.73	474500	2031	707800	-	423000	**P**	**092RF167**	**DRP**	**225M4**		3950	232
	0.95	366000	1566	720000	-	423000	**PF**	**092RF167**	**DRP**	**225M4**		3260	233
	1.1	315400	1350	720000	-	423000	**PH**	**092RF167**	**DRP**	**225M4**		3960	232
							PHF	**092RF167**	**DRP**	**225M4**		3270	233
	1.2	281500	1205	720000	513900	423000	**P**	**092RF167**	**DRP**	**225M4**		3950	232
	1.5	225200	964	720000	513900	423000	**PF**	**092RF167**	**DRP**	**225M4**		3250	233
	1.7	200300	857	720000	513900	423000	**PH**	**092RF167**	**DRP**	**225M4**		3960	232
	2.0	174500	747	720000	513900	423000	**PHF**	**092RF167**	**DRP**	**225M4**		3260	233
	2.2	155700	666	720000	513900	423000							
	2.6	132700	568	720000	513900	423000							
	3.2	109900	470	720000	513900	423000							
	0.88	393500	1684	622200	397100	359400	**P**	**082RF167**	**DRP**	**225M4**		3450	230
	0.99	350100	1498	662600	397100	359400	**PF**	**082RF167**	**DRP**	**225M4**		2800	231
	1.2	301700	1291	683000	397100	359400	**PH**	**082RF167**	**DRP**	**225M4**		3450	230
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	1.7	207900	890	683000	397100	359400							
	1.8	191600	820	683000	397100	359400	**P**	**082RF167**	**DRP**	**225M4**		3450	230
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							PHF	**082RF167**	**DRP**	**225M4**		2790	231
	1.4	248800	1065	523000	274600	245660	**P**	**072RF167**	**DRP**	**225M4**		2800	226
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							PH	**072RF167**	**DRP**	**225M4**		2850	226
							PHF	**072RF167**	**DRP**	**225M4**		2360	227
	1.6	215300	922	523000	-	245660	**P**	**072RF147**	**DRP**	**225M4**		2540	224
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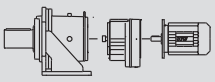
SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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							PH	072RF147	DRP	225M4		2580	224
							PHF	072RF147	DRP	225M4		2090	225
	1.8	187300	802	437400	209100	185660	P	062RF147	DRP	225M4		2100	222
	2.1	165300	708	453200	209100	185660	PF	062RF147	DRP	225M4		1740	223
	2.4	143300	614	467100	209100	185660	PH	062RF147	DRP	225M4		2090	222
	2.7	127500	546	473000	209100	185660	PHF	062RF147	DRP	225M4		1730	223
	1.7	201700	863	426000	209100	185660	P	062RF137	DRP	225M4		1980	220
	2.0	174500	747	446800	209100	185660	PF	062RF137	DRP	225M4		1620	221
	2.2	154000	659	460600	209100	185660	PH	062RF137	DRP	225M4		1970	220
	2.6	133000	569	473000	209100	185660	PHF	062RF137	DRP	225M4		1610	221
	2.9	117600	503	473000	209100	185660							
	3.5	98800	423	473000	209100	185660							
	2.6	133000	569	348700	140600	124060	P	052RF137	DRP	225M4		1500	216
	2.9	117600	503	361400	140600	124060	PF	052RF137	DRP	225M4		1300	217
	3.5	98800	423	364000	140600	124060	PH	052RF137	DRP	225M4		1490	216
	4.3	79800	342	355600	140600	124060	PHF	052RF137	DRP	225M4		1290	217
	2.8	125200	536	355400	140600	124060	P	052RF107	DRP	225M4		1400	214
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	3.5	98800	423	296900	111000	100170	P	042RF137	DRP	225M4		1360	210
	4.3	79800	342	308400	111000	100170	PF	042RF137	DRP	225M4		1170	211
	5.0	69500	298	295900	111000	100170	PH	042RF137	DRP	225M4		1360	210
	5.9	58400	250	280900	111000	100170	PHF	042RF137	DRP	225M4		1170	211
	7.3	47200	202	263500	111000	100170							
	3.3	106200	455	289200	111000	100170	P	042RF107	DRP	225M4		1250	208
	3.7	92800	397	302800	111000	100170	PF	042RF107	DRP	225M4		1060	209
	4.4	78500	336	306900	111000	100170	PH	042RF107	DRP	225M4		1260	208
							PHF	042RF107	DRP	225M4		1070	209
	8.5	40900	175	204300	86800	69620	P	032RF137	DRP	225M4		1110	204
	9.7	35600	153	196000	86800	69620	PF	032RF137	DRP	225M4		990	205
							PH	032RF137	DRP	225M4		1130	204
							PHF	032RF137	DRP	225M4		1010	205
	4.4	78500	336	210800	86800	69620	P	032RF107	DRP	225M4		1010	202
	4.8	72000	308	220100	86800	69620	PF	032RF107	DRP	225M4		890	203
	5.7	61000	261	230400	86800	69620	PH	032RF107	DRP	225M4		1030	202
	6.5	53300	228	221200	86800	69620	PHF	032RF107	DRP	225M4		910	203
	7.7	45100	193	210400	86800	69620							
	11	31300	134	188500	-	58500							
	13	27300	117	181100	-	58500							
	15	23100	99	172200	-	57100							
	5.7	61000	261	174300	64200	51190	P	022RF107	DRP	225M4		930	196
	6.5	53300	228	187400	64200	51190	PF	022RF107	DRP	225M4		820	197
	7.7	45100	193	197000	64200	51190	PH	022RF107	DRP	225M4		940	196
	8.6	40200	172	197000	64200	51190	PHF	022RF107	DRP	225M4		840	197
	9.4	36900	158	197000	64200	51190							
	8.6	40200	172	137100	46200	36810	P	012RF107	DRP	225M4		780	190
	11	31300	134	127100	46200	36810	PF	012RF107	DRP	225M4		710	191
	13	27300	117	122100	46200	36810	PH	012RF107	DRP	225M4		790	190
	15	23100	99	116100	46200	36810	PHF	012RF107	DRP	225M4		720	191
	8.4	41200	177	138100	46200	36810	P	012RF97	DRP	225M4		730	188
							PF	012RF97	DRP	225M4		660	189
							PH	012RF97	DRP	225M4		750	188
							PHF	012RF97	DRP	225M4		680	189
	13	26500	114	98000	29200	24830	P	002RF107	DRP	225M4		700	182
							PF	002RF107	DRP	225M4		640	183
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	12	28300	121	99900	29200	24830	P	002RF97	DRP	225M4		650	180
							PF	002RF97	DRP	225M4		600	181
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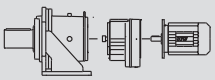
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	1.8	240400	846	850000	631300	500000	**PF**	**102RF167**	**DRP**	**250M4**		3980	235
	2.0	209400	737	850000	631300	500000	**PH**	**102RF167**	**DRP**	**250M4**		5000	234
	2.2	186800	657	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**250M4**		4040	235
	2.6	159200	561	850000	631300	500000							
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	1.5	273900	964	720000	513900	423000	**P**	**092RF167**	**DRP**	**250M4**		4080	232
	1.7	243500	857	720000	513900	423000	**PF**	**092RF167**	**DRP**	**250M4**		3380	233
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	2.6	161300	568	720000	513900	423000							
	3.2	133700	470	720000	513900	423000							
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	1.2	367000	1291	647600	397100	359400	**P**	**082RF167**	**DRP**	**250M4**		3590	230
	1.4	298200	1049	683000	397100	359400	**PF**	**082RF167**	**DRP**	**250M4**		2940	231
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	2.1	203000	714	683000	397100	359400	**PF**	**082RF167**	**DRP**	**250M4**		2930	231
	2.3	181100	637	683000	397100	359400	**PH**	**082RF167**	**DRP**	**250M4**		3580	230
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	1.9	221200	779	523000	274600	245660	**P**	**072RF147**	**DRP**	**250M4**		2660	224
	2.2	195200	687	523000	274600	245660	**PF**	**072RF147**	**DRP**	**250M4**		2170	225
	2.8	150600	530	523000	274600	245660	**PH**	**072RF147**	**DRP**	**250M4**		2710	224
	3.2	129800	457	523000	274600	245660	**PHF**	**072RF147**	**DRP**	**250M4**		2220	225
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	2.4	174300	614	447000	209100	185660	**PF**	**062RF147**	**DRP**	**250M4**		1870	223
	2.7	155100	546	459900	209100	185660	**PH**	**062RF147**	**DRP**	**250M4**		2230	222
	3.9	108600	382	459800	209100	185660	**PHF**	**062RF147**	**DRP**	**250M4**		1860	223
	4.6	92100	324	437700	209100	185660							
	5.2	80800	284	420900	209100	185660							
	2.2	187300	659	437400	209100	185660	**P**	**062RF137**	**DRP**	**250M4**		2120	220
	2.6	161700	569	455600	209100	185660	**PF**	**062RF137**	**DRP**	**250M4**		1760	221
	2.9	143000	503	467200	209100	185660	**PH**	**062RF137**	**DRP**	**250M4**		2110	220
	3.5	120200	423	473000	209100	185660	**PHF**	**062RF137**	**DRP**	**250M4**		1740	221
	6.4	65600	231	316400	140600	124060	**P**	**052RF147**	**DRP**	**250M4**		1750	218
							PF	**052RF147**	**DRP**	**250M4**		1550	219
							PH	**052RF147**	**DRP**	**250M4**		1740	218
							PHF	**052RF147**	**DRP**	**250M4**		1540	219
	3.5	120200	423	359400	140600	124060	**P**	**052RF137**	**DRP**	**250M4**		1640	216
	4.3	97100	342	355600	140600	124060	**PF**	**052RF137**	**DRP**	**250M4**		1440	217
							PH	**052RF137**	**DRP**	**250M4**		1630	216
							PHF	**052RF137**	**DRP**	**250M4**		1430	217
	7.6	55700	196	261100	111000	100170	**P**	**042RF147**	**DRP**	**250M4**		1610	212
							PF	**042RF147**	**DRP**	**250M4**		1420	213
							PH	**042RF147**	**DRP**	**250M4**		1610	212
							PHF	**042RF147**	**DRP**	**250M4**		1420	213
	4.3	97100	342	298700	111000	100170	**P**	**042RF137**	**DRP**	**250M4**		1490	210
	5.0	84600	298	295900	111000	100170	**PF**	**042RF137**	**DRP**	**250M4**		1300	211
	5.9	71100	250	280900	111000	100170	**PH**	**042RF137**	**DRP**	**250M4**		1490	210
	7.3	57400	202	263500	111000	100170	**PHF**	**042RF137**	**DRP**	**250M4**		1300	211

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
45	**5.9**	71100	250	221300	86800	69620	**P**	**032RF137**	**DRP**	**250M4**		1240	204
	7.3	57400	202	213300	86800	69620	**PF**	**032RF137**	**DRP**	**250M4**		1120	205
	8.5	49700	175	204300	86800	69620	**PH**	**032RF137**	**DRP**	**250M4**		1260	204
	9.7	43300	153	196000	86800	69620	**PHF**	**032RF137**	**DRP**	**250M4**		1140	205
	12	36400	128	186100	86800	69620							
	14	29400	104	174600	86800	69620							
	8.5	49700	175	192900	64200	51190	**P**	**022RF137**	**DRP**	**250M4**		1160	198
	9.7	43300	153	197000	64200	51190	**PF**	**022RF137**	**DRP**	**250M4**		1060	199
	12	36400	128	197000	64200	51190	**PH**	**022RF137**	**DRP**	**250M4**		1180	198
							PHF	**022RF137**	**DRP**	**250M4**		1080	199
55	**0.96**	535100	1546	850000	-	500000	**P**	**102RF167**	**DRP**	**280S4**		5020	234
	1.1	461200	1332	850000	-	500000	**PF**	**102RF167**	**DRP**	**280S4**		4060	235
							PH	**102RF167**	**DRP**	**280S4**		5080	234
							PHF	**102RF167**	**DRP**	**280S4**		4120	235
	1.6	329300	951	850000	631300	500000	**P**	**102RF167**	**DRP**	**280S4**		5010	234
	1.8	292800	846	850000	631300	500000	**PF**	**102RF167**	**DRP**	**280S4**		4050	235
	2.0	255100	737	850000	631300	500000	**PH**	**102RF167**	**DRP**	**280S4**		5070	234
	2.3	227600	657	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**280S4**		4110	235
	2.6	194000	561	850000	631300	500000							
	3.2	160700	464	850000	631300	500000							
	3.8	137200	396	850000	631300	500000							
	1.1	467300	1350	715000	-	423000	**P**	**092RF167**	**DRP**	**280S4**		4160	232
							PF	**092RF167**	**DRP**	**280S4**		3470	233
							PH	**092RF167**	**DRP**	**280S4**		4180	232
							PHF	**092RF167**	**DRP**	**280S4**		3480	233
	1.5	333600	964	720000	513900	423000	**P**	**092RF167**	**DRP**	**280S4**		4160	232
	1.7	296700	857	720000	513900	423000	**PF**	**092RF167**	**DRP**	**280S4**		3460	233
	2.0	258500	747	720000	513900	423000	**PH**	**092RF167**	**DRP**	**280S4**		4170	232
	2.2	230600	666	720000	513900	423000	**PHF**	**092RF167**	**DRP**	**280S4**		3470	233
	2.6	196500	568	720000	513900	423000							
	3.2	162800	470	720000	513900	423000							
	3.7	139000	402	720000	513900	423000							
	1.4	363200	1049	651000	397100	359400	**P**	**082RF167**	**DRP**	**280S4**		3660	230
	1.7	308000	890	683000	397100	359400	**PF**	**082RF167**	**DRP**	**280S4**		3010	231
							PH	**082RF167**	**DRP**	**280S4**		3660	230
							PHF	**082RF167**	**DRP**	**280S4**		3010	231
	1.8	283800	820	683000	397100	359400	**P**	**082RF167**	**DRP**	**280S4**		3660	230
	2.1	247300	714	683000	397100	359400	**PF**	**082RF167**	**DRP**	**280S4**		3010	231
	2.3	220600	637	683000	397100	359400	**PH**	**082RF167**	**DRP**	**280S4**		3650	230
	2.7	188000	543	683000	397100	359400	**PHF**	**082RF167**	**DRP**	**280S4**		3000	231
	2.5	203100	587	683000	397100	359400	**P**	**082RF147**	**DRP**	**280S4**		3390	228
	2.8	180700	522	683000	397100	359400	**PF**	**082RF147**	**DRP**	**280S4**		2740	229
							PH	**082RF147**	**DRP**	**280S4**		3380	228
							PHF	**082RF147**	**DRP**	**280S4**		2730	229
	1.9	269500	779	521600	274600	245660	**P**	**072RF147**	**DRP**	**280S4**		2730	224
	2.2	237800	687	523000	274600	245660	**PF**	**072RF147**	**DRP**	**280S4**		2240	225
	2.8	183400	530	523000	274600	245660	**PH**	**072RF147**	**DRP**	**280S4**		2790	224
	3.3	158100	457	523000	274600	245660	**PHF**	**072RF147**	**DRP**	**280S4**		2300	225
	4.0	128400	371	523000	274600	245660							
	2.4	212300	614	417000	209100	185660	**P**	**062RF147**	**DRP**	**280S4**		2310	222
	2.7	188900	546	436200	209100	185660	**PF**	**062RF147**	**DRP**	**280S4**		1950	223
	3.9	132300	382	459400	209100	185660	**PH**	**062RF147**	**DRP**	**280S4**		2300	222
	4.6	112200	324	437200	209100	185660	**PHF**	**062RF147**	**DRP**	**280S4**		1940	223
	5.2	98400	284	420400	209100	185660							
	6.4	80000	231	395100	209100	185660							
	2.6	197000	569	429800	209100	185660	**P**	**062RF137**	**DRP**	**280S4**		2190	220
	3.0	174200	503	447000	209100	185660	**PF**	**062RF137**	**DRP**	**280S4**		1830	221
	3.5	146400	423	465200	209100	185660	**PH**	**062RF137**	**DRP**	**280S4**		2180	220
	4.4	118300	342	444300	209100	185660	**PHF**	**062RF137**	**DRP**	**280S4**		1820	221
	5.0	103000	298	426300	-	185660							
	6.4	80000	231	316100	140600	124060	**P**	**052RF147**	**DRP**	**280S4**		1830	218
	7.6	67800	196	300700	140600	124060	**PF**	**052RF147**	**DRP**	**280S4**		1630	219
							PH	**052RF147**	**DRP**	**280S4**		1820	218
							PHF	**052RF147**	**DRP**	**280S4**		1620	219

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
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	5.0	103000	298	341100	140600	124060	**PF**	**052RF137**	**DRP**	**280S4**		1510	217
	5.9	86600	250	323700	140600	124060	**PH**	**052RF137**	**DRP**	**280S4**		1700	216
	6.9	75000	217	310000	-	124060	**PHF**	**052RF137**	**DRP**	**280S4**		1500	217
	7.4	69900	202	303500	140600	124060							
	7.6	67800	196	260800	111000	100170	**P**	**042RF147**	**DRP**	**280S4**		1680	212
	9.0	57500	166	248200	111000	100170	**PF**	**042RF147**	**DRP**	**280S4**		1490	213
	10	50400	146	238600	111000	100170	**PH**	**042RF147**	**DRP**	**280S4**		1690	212
	13	41000	118	224200	111000	100170	**PHF**	**042RF147**	**DRP**	**280S4**		1500	213
	15	34700	101	213400	111000	100170							
	5.0	103000	298	292600	111000	100170	**P**	**042RF137**	**DRP**	**280S4**		1570	210
	5.9	86600	250	280700	111000	100170	**PF**	**042RF137**	**DRP**	**280S4**		1380	211
	7.4	69900	202	263200	111000	100170	**PH**	**042RF137**	**DRP**	**280S4**		1570	210
	8.5	60600	175	252100	111000	100170	**PHF**	**042RF137**	**DRP**	**280S4**		1380	211
	9.7	52800	153	242000	-	100170							
	12	44400	128	229700	-	100170							
	14	35800	104	215400	-	90600							
	5.9	86600	250	197600	86800	69620	**P**	**032RF137**	**DRP**	**280S4**		1320	204
	7.4	69900	202	213000	86800	69620	**PF**	**032RF137**	**DRP**	**280S4**		1200	205
	8.5	60600	175	204100	86800	69620	**PH**	**032RF137**	**DRP**	**280S4**		1340	204
	9.7	52800	153	195900	86800	69620	**PHF**	**032RF137**	**DRP**	**280S4**		1220	205
	8.5	60600	175	175100	64200	51190	**P**	**022RF137**	**DRP**	**280S4**		1240	198
	9.7	52800	153	188300	64200	51190	**PF**	**022RF137**	**DRP**	**280S4**		1140	199
	12	44400	128	196800	64200	51190	**PH**	**022RF137**	**DRP**	**280S4**		1250	198
	14	35800	104	184600	64200	51190	**PHF**	**022RF137**	**DRP**	**280S4**		1150	199
75	**1.6**	451700	951	850000	631300	500000	**P**	**102RF167**	**DRP**	**280M4**		5010	234
	1.8	401700	846	850000	631300	500000	**PF**	**102RF167**	**DRP**	**280M4**		4050	235
	2.0	350000	737	850000	631300	500000	**PH**	**102RF167**	**DRP**	**280M4**		5070	234
	2.2	312300	657	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**280M4**		4110	235
	2.6	266200	561	850000	631300	500000							
	3.2	220500	464	850000	631300	500000							
	3.7	188200	396	850000	631300	500000							
	1.5	457700	964	720000	513900	423000	**P**	**092RF167**	**DRP**	**280M4**		4160	232
	1.7	407000	857	720000	513900	423000	**PF**	**092RF167**	**DRP**	**280M4**		3460	233
	2.0	354600	747	720000	513900	423000	**PH**	**092RF167**	**DRP**	**280M4**		4170	232
	2.2	316400	666	720000	513900	423000	**PHF**	**092RF167**	**DRP**	**280M4**		3470	233
	2.6	269700	568	720000	513900	423000							
	3.1	223400	470	720000	513900	423000							
	3.7	190700	402	720000	513900	423000							
	1.8	389400	820	626200	397100	359400	**P**	**082RF167**	**DRP**	**280M4**		3660	230
	2.1	339200	714	671800	397100	359400	**PF**	**082RF167**	**DRP**	**280M4**		3010	231
	2.3	302700	637	683000	397100	359400	**PH**	**082RF167**	**DRP**	**280M4**		3650	230
	2.7	258000	543	683000	397100	359400	**PHF**	**082RF167**	**DRP**	**280M4**		3000	231
	2.8	251600	530	523000	274600	245660	**P**	**072RF147**	**DRP**	**280M4**		2730	224
	3.2	216900	457	523000	274600	245660	**PF**	**072RF147**	**DRP**	**280M4**		2240	225
	4.0	176200	371	523000	274600	245660	**PH**	**072RF147**	**DRP**	**280M4**		2790	224
							PHF	**072RF147**	**DRP**	**280M4**		2300	225
	3.9	181500	382	441800	209100	185660	**P**	**062RF147**	**DRP**	**280M4**		2310	222
	4.6	153900	324	438000	209100	185660	**PF**	**062RF147**	**DRP**	**280M4**		1950	223
	5.2	135000	284	421100	209100	185660	**PH**	**062RF147**	**DRP**	**280M4**		2300	222
	6.4	109700	231	395900	209100	185660	**PHF**	**062RF147**	**DRP**	**280M4**		1940	223
	3.5	200900	423	426600	209100	185660	**P**	**062RF137**	**DRP**	**280M4**		2190	220
							PF	**062RF137**	**DRP**	**280M4**		1830	221
							PH	**062RF137**	**DRP**	**280M4**		2180	220
							PHF	**062RF137**	**DRP**	**280M4**		1820	221
	6.4	109700	231	316700	140600	124060	**P**	**052RF147**	**DRP**	**280M4**		1830	218
	7.5	93000	196	301300	140600	124060	**PF**	**052RF147**	**DRP**	**280M4**		1630	219
	8.9	78900	166	286800	140600	124060	**PH**	**052RF147**	**DRP**	**280M4**		1820	218
							PHF	**052RF147**	**DRP**	**280M4**		1620	219
	7.5	93000	196	261300	111000	100170	**P**	**042RF147**	**DRP**	**280M4**		1680	212
	8.9	78900	166	248700	111000	100170	**PF**	**042RF147**	**DRP**	**280M4**		1490	213
	10	69200	146	239100	111000	100170	**PH**	**042RF147**	**DRP**	**280M4**		1690	212
	12	56200	118	224600	111000	100170	**PHF**	**042RF147**	**DRP**	**280M4**		1500	213
	15	47700	101	213800	111000	100170							

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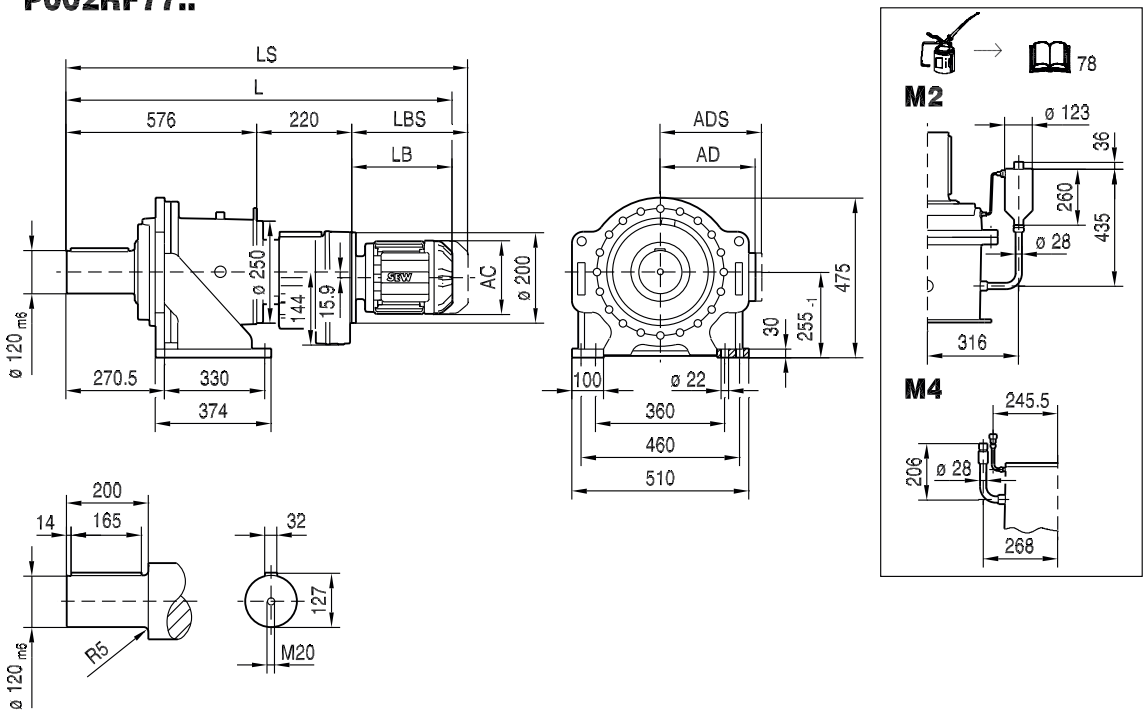
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
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75	**10**	69200	146	193500	86800	69620	**P**	**032RF147**	**DRP**	**280M4**		1440	206
	12	56200	118	181800	86800	69620	**PF**	**032RF147**	**DRP**	**280M4**		1310	207
	15	47700	101	173100	86800	69620	**PH**	**032RF147**	**DRP**	**280M4**		1460	206
							PHF	**032RF147**	**DRP**	**280M4**		1340	207
	8.4	83200	175	203400	86800	69620	**P**	**032RF137**	**DRP**	**280M4**		1320	204
	9.7	72500	153	196200	86800	69620	**PF**	**032RF137**	**DRP**	**280M4**		1200	205
							PH	**032RF137**	**DRP**	**280M4**		1340	204
							PHF	**032RF137**	**DRP**	**280M4**		1220	205
	12	60900	128	174600	64200	51190	**P**	**022RF137**	**DRP**	**280M4**		1240	198
							PF	**022RF137**	**DRP**	**280M4**		1140	199
							PH	**022RF137**	**DRP**	**280M4**		1250	198
							PHF	**022RF137**	**DRP**	**280M4**		1150	199
90	**2.0**	418300	737	850000	631300	500000	**P**	**102RF167**	**DRP**	**315K4**		5310	234
	2.3	373200	657	850000	631300	500000	**PF**	**102RF167**	**DRP**	**315K4**		4350	235
	2.6	318100	561	850000	631300	500000	**PH**	**102RF167**	**DRP**	**315K4**		5370	234
	3.2	263600	464	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**315K4**		4410	235
	3.7	224900	396	850000	631300	500000							
	2.0	423900	747	720000	513900	423000	**P**	**092RF167**	**DRP**	**315K4**		4450	232
	2.2	378200	666	720000	513900	423000	**PF**	**092RF167**	**DRP**	**315K4**		3760	233
	2.6	322300	568	720000	513900	423000	**PH**	**092RF167**	**DRP**	**315K4**		4470	232
	3.2	267100	470	720000	513900	423000	**PHF**	**092RF167**	**DRP**	**315K4**		3770	233
	3.7	227900	402	720000	513900	423000							
	2.3	361700	637	652300	397100	359400	**P**	**082RF167**	**DRP**	**315K4**		3960	230
	2.7	308300	543	683000	397100	359400	**PF**	**082RF167**	**DRP**	**315K4**		3300	231
							PH	**082RF167**	**DRP**	**315K4**		3950	230
							PHF	**082RF167**	**DRP**	**315K4**		3300	231
110	**2.0**	510600	737	850000	631300	500000	**P**	**102RF167**	**DRP**	**315S4**		5390	234
	2.3	455500	657	850000	631300	500000	**PF**	**102RF167**	**DRP**	**315S4**		4430	235
	2.6	388300	561	850000	631300	500000	**PH**	**102RF167**	**DRP**	**315S4**		5450	234
	3.2	321700	464	850000	631300	500000	**PHF**	**102RF167**	**DRP**	**315S4**		4490	235
	3.8	274500	396	850000	631300	500000							
	2.0	517400	747	661100	513900	423000	**P**	**092RF167**	**DRP**	**315S4**		4530	232
	2.2	461600	666	720000	513900	423000	**PF**	**092RF167**	**DRP**	**315S4**		3840	233
	2.6	393500	568	720000	513900	423000	**PH**	**092RF167**	**DRP**	**315S4**		4550	232
	3.2	326000	470	720000	513900	423000	**PHF**	**092RF167**	**DRP**	**315S4**		3850	233
	3.7	278200	402	720000	513900	423000							
	2.7	376400	543	638900	397100	359400	**P**	**082RF167**	**DRP**	**315S4**		4040	230
							PF	**082RF167**	**DRP**	**315S4**		3380	231
							PH	**082RF167**	**DRP**	**315S4**		4030	230
							PHF	**082RF167**	**DRP**	**315S4**		3380	231
132	**2.6**	465300	561	850000	631300	500000	**P**	**102RF167**	**DRP**	**315M4**		5550	234
	3.2	385500	464	850000	631300	500000	**PF**	**102RF167**	**DRP**	**315M4**		4590	235
	3.8	329000	396	850000	631300	500000	**PH**	**102RF167**	**DRP**	**315M4**		5610	234
							PHF	**102RF167**	**DRP**	**315M4**		4650	235
	2.6	471500	568	710800	513900	423000	**P**	**092RF167**	**DRP**	**315M4**		4690	232
	3.2	390700	470	720000	513900	423000	**PF**	**092RF167**	**DRP**	**315M4**		4000	233
	3.7	333400	402	720000	513900	423000	**PH**	**092RF167**	**DRP**	**315M4**		4700	232
							PHF	**092RF167**	**DRP**	**315M4**		4010	233
160	**2.6**	564000	561	839400	631300	500000	**P**	**102RF167**	**DRP**	**315L4**		5630	234
	3.2	467300	464	850000	631300	500000	**PF**	**102RF167**	**DRP**	**315L4**		4670	235
	3.8	398800	396	850000	631300	500000	**PH**	**102RF167**	**DRP**	**315L4**		5690	234
							PHF	**102RF167**	**DRP**	**315L4**		4730	235
	3.2	473600	470	708700	513900	423000	**P**	**092RF167**	**DRP**	**315L4**		4770	232
	3.7	404200	402	720000	513900	423000	**PF**	**092RF167**	**DRP**	**315L4**		4080	233
							PH	**092RF167**	**DRP**	**315L4**		4780	232
							PHF	**092RF167**	**DRP**	**315L4**		4090	233

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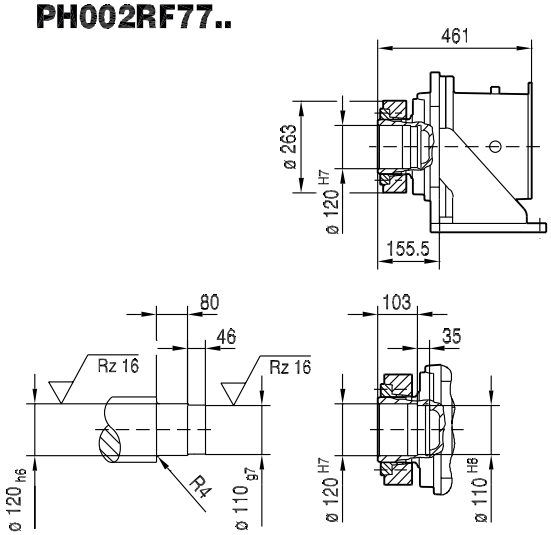
10.5 Dimension sheets [mm]

P002RF77..

45 001 02 08



PH002RF77..

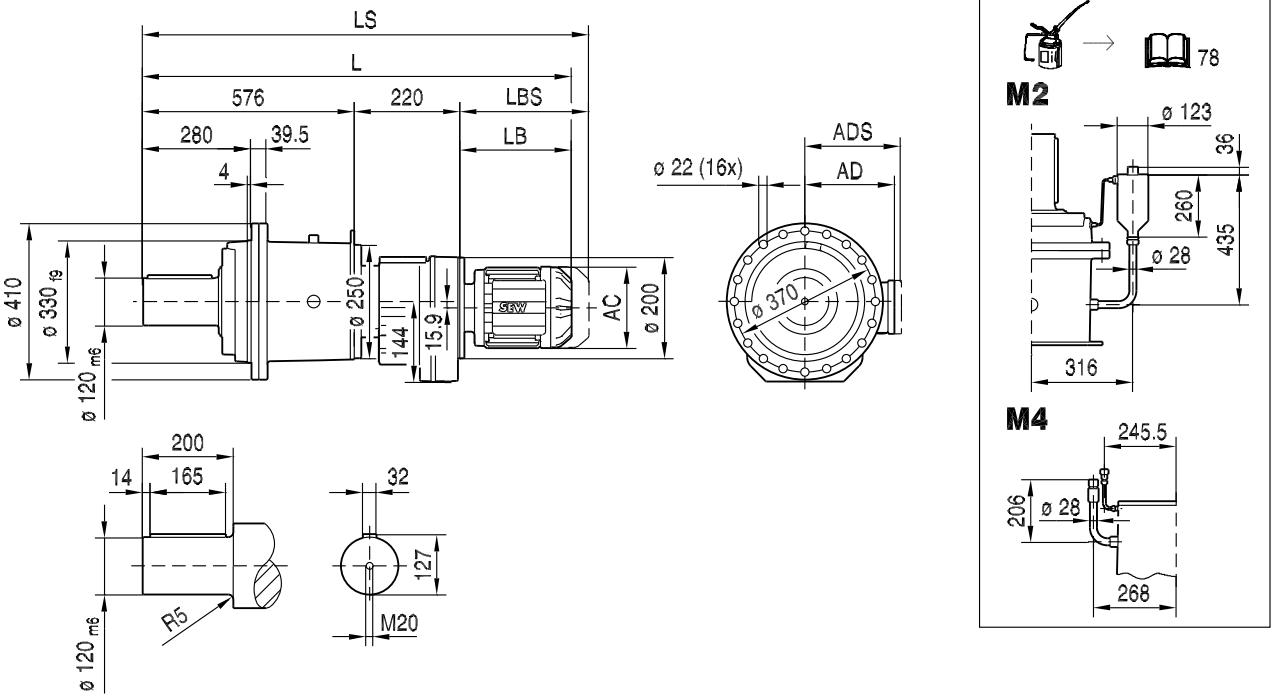


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC
AC	156	156	179	179	197	197	221	221	221
AD	128	128	140	140	157	157	170	170	170
ADS	139	139	150	150	158	158	172	172	172
L	1019	1050	1052	1072	1102	1132	1140	1175	1225
LS	1100	1131	1145	1165	1195	1225	1252	1287	1337
LB	223	254	256	276	306	336	344	379	429
LBS	304	335	349	369	399	429	456	491	541

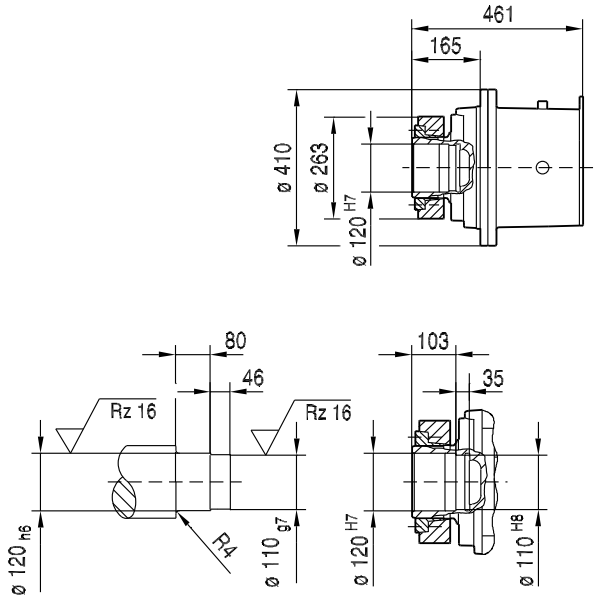
21216193/EN – 11/2014

PF002RF77..

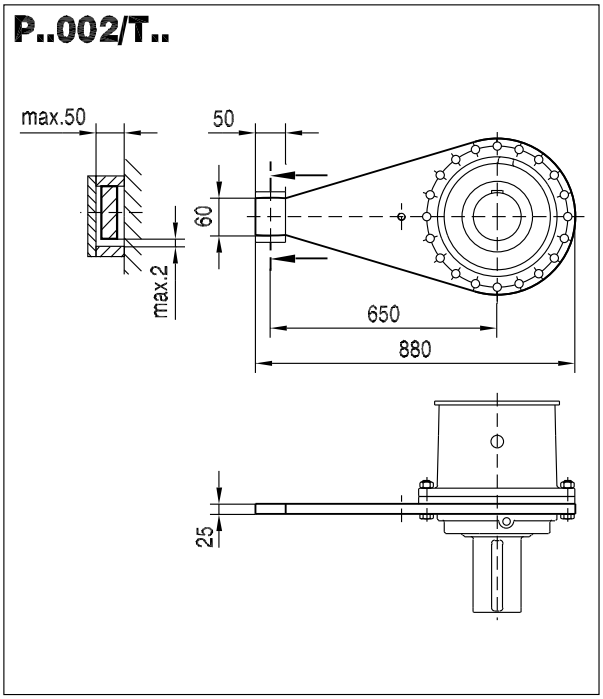
45 030 02 08



PHF002RF77..



P..002/T..

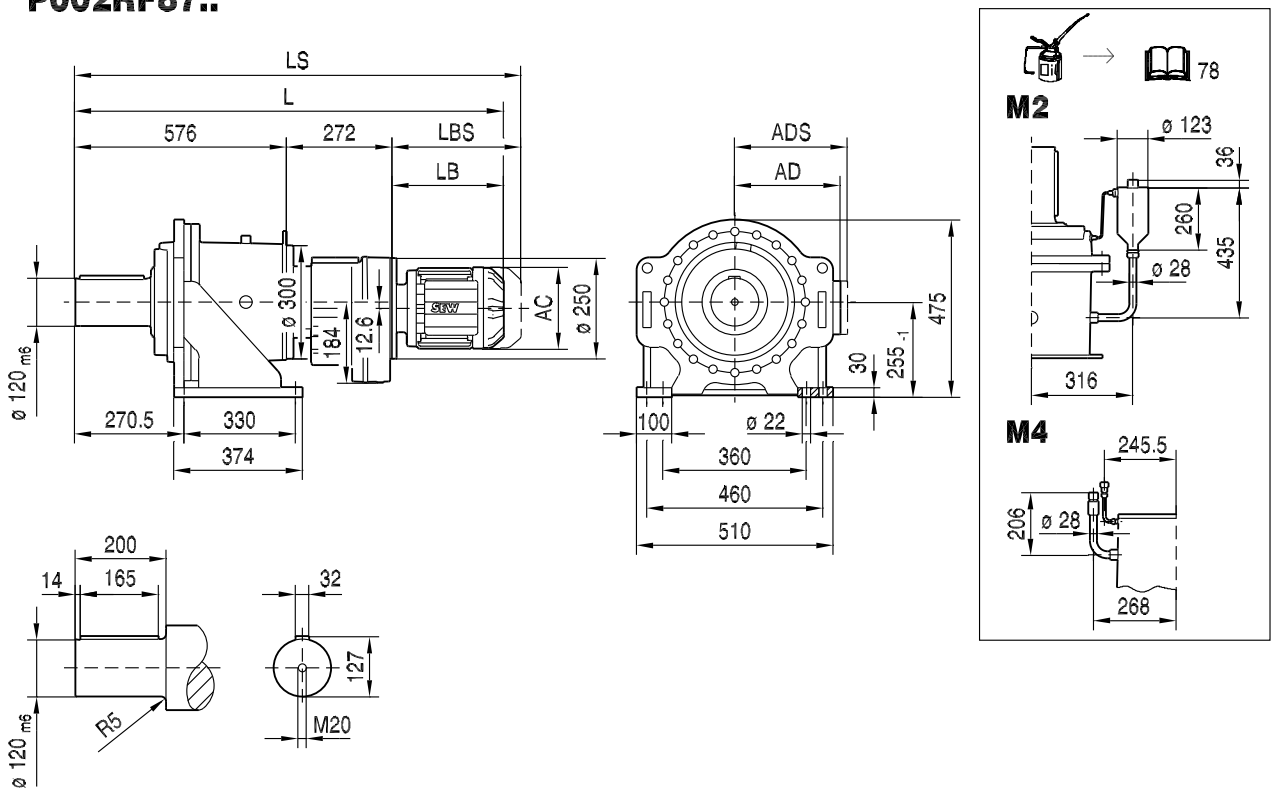


(→ 📄 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC
AC	156	156	179	179	197	197	221	221	221
AD	128	128	140	140	157	157	170	170	170
ADS	139	139	150	150	158	158	172	172	172
L	1019	1050	1052	1072	1102	1132	1140	1175	1225
LS	1100	1131	1145	1165	1195	1225	1252	1287	1337
LB	223	254	256	276	306	336	344	379	429
LBS	304	335	349	369	399	429	456	491	541

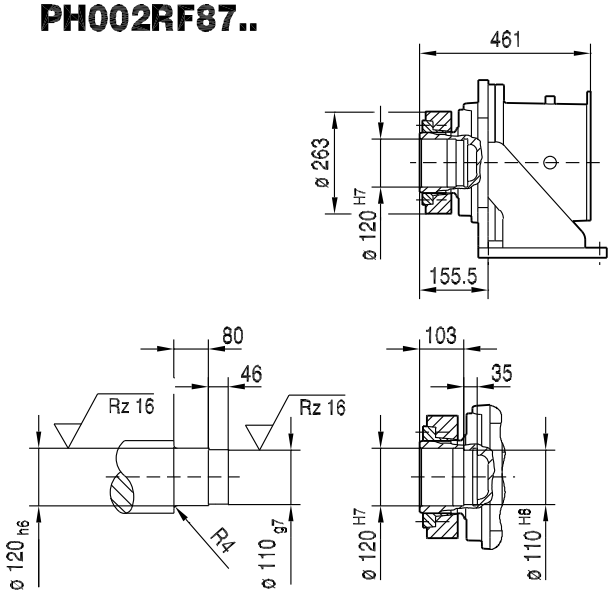
21216193/EN – 11/2014

P002RF87..

45 002 02 08



PH002RF87..

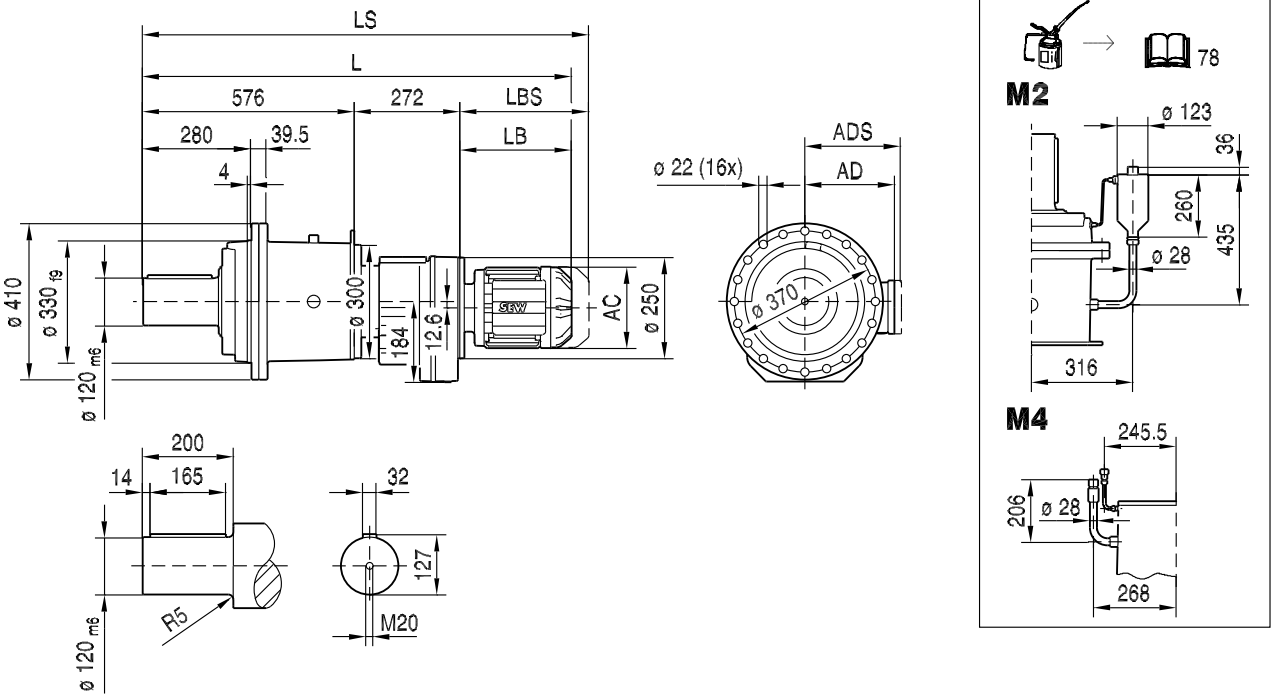


(→ 📄 90)	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	221	272	316	316
AD	140	140	157	157	170	170	170	228	253	253
ADS	150	150	158	158	172	172	172	228	253	253
L	1099	1119	1149	1179	1187	1222	1272	1313	1382	1442
LS	1192	1212	1242	1272	1299	1334	1384	1450	1571	1631
LB	251	271	301	331	339	374	424	465	534	594
LBS	344	364	394	424	451	486	536	602	723	783

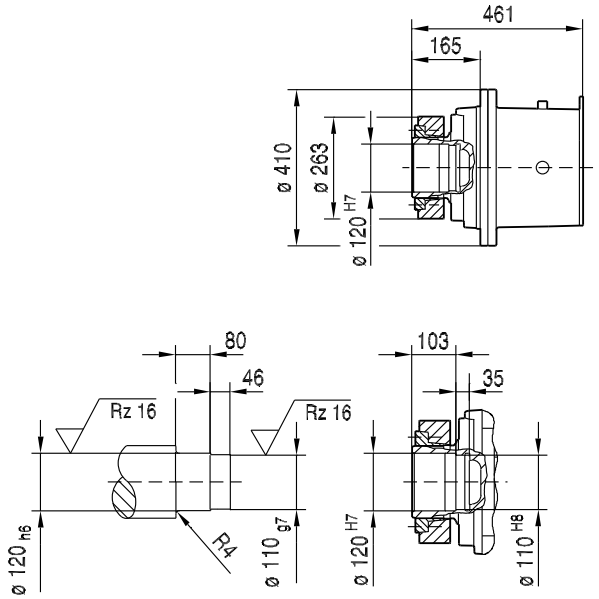
21216193/EN – 11/2014

PF002RF87..

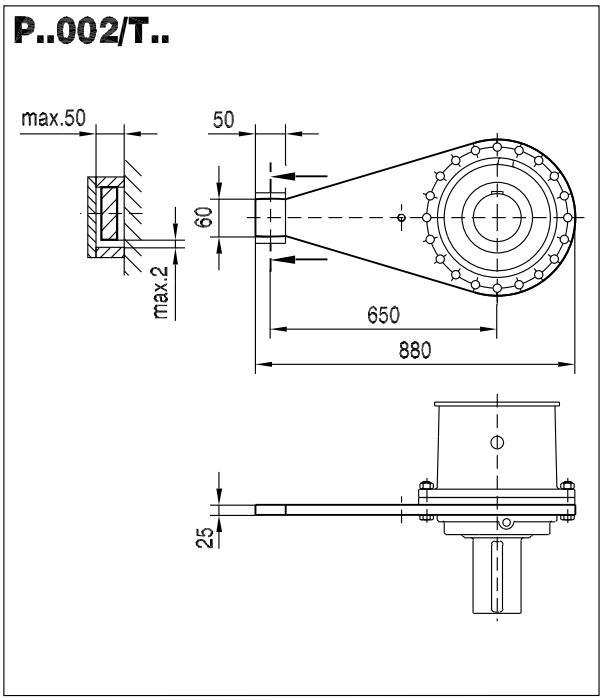
45 031 02 08



PHF002RF87..



P..002/T..

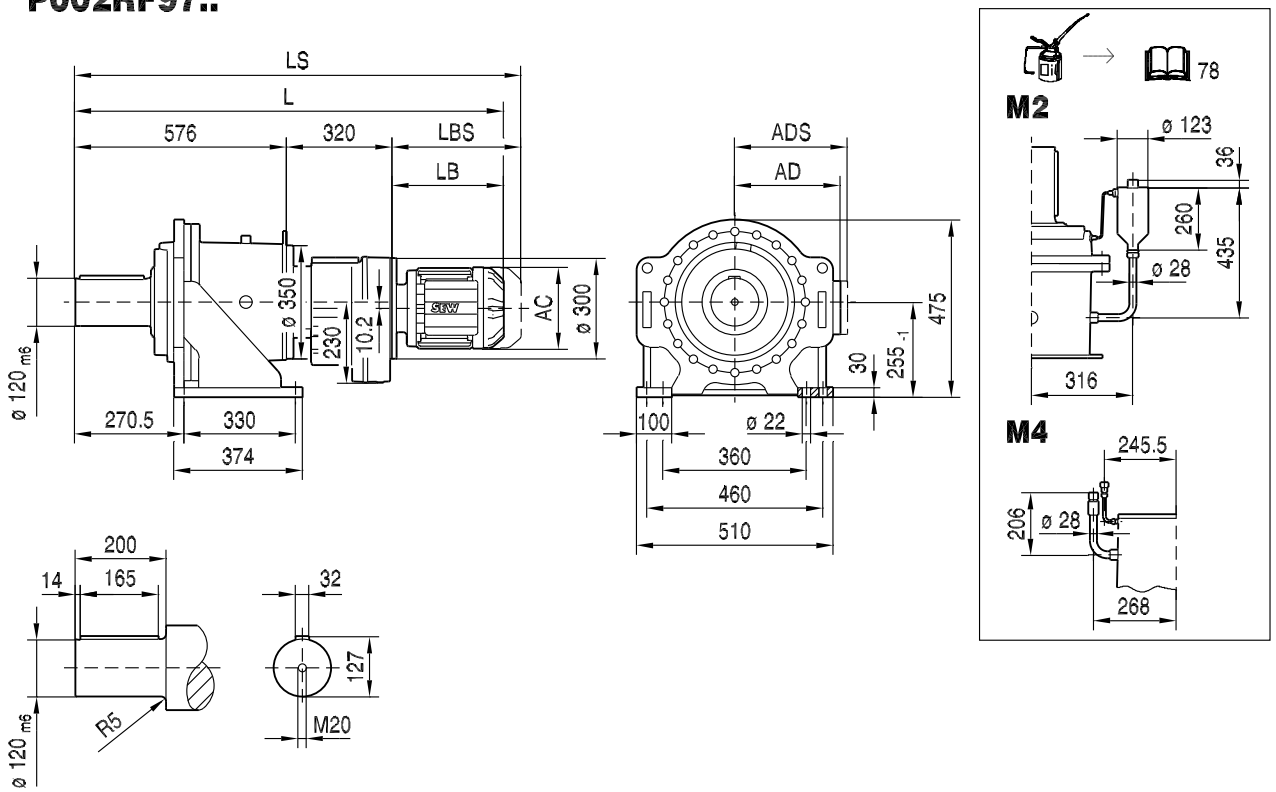


(→ 90)	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	221	272	316	316
AD	140	140	157	157	170	170	170	228	253	253
ADS	150	150	158	158	172	172	172	228	253	253
L	1099	1119	1149	1179	1187	1222	1272	1313	1382	1442
LS	1192	1212	1242	1272	1299	1334	1384	1450	1571	1631
LB	251	271	301	331	339	374	424	465	534	594
LBS	344	364	394	424	451	486	536	602	723	783

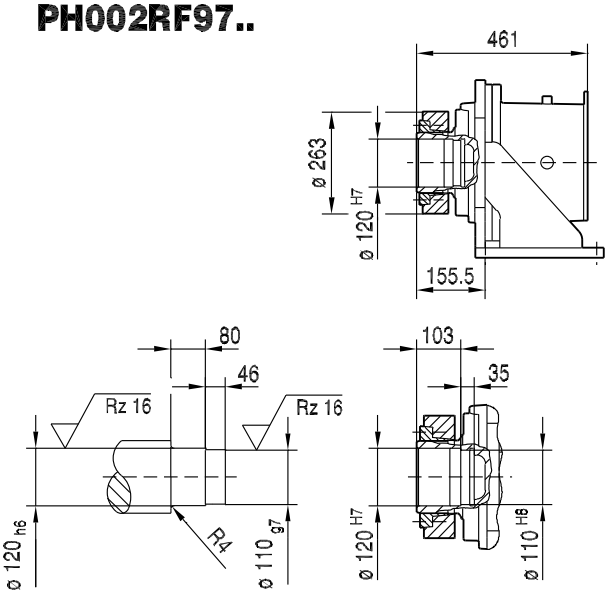
21216193/EN – 11/2014

P002RF97..

45 003 02 08



PH002RF97..

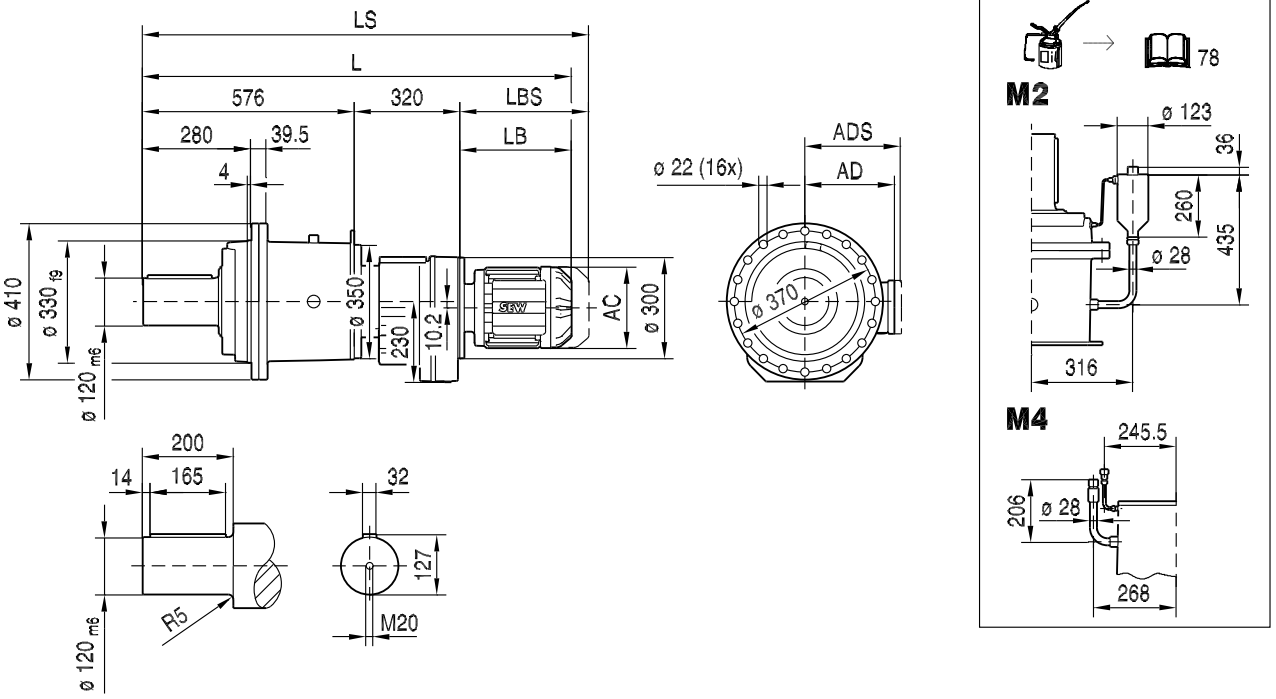


(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S		
AC	221	272	316	316	394	394		
AD	170	228	253	253	283	283		
ADS	172	228	253	253	283	283		
L	1315	1356	1425	1485	1558	1558		
LS	1427	1493	1614	1674	1763	1763		
LB	419	460	529	589	662	662		
LBS	531	597	718	778	867	867		

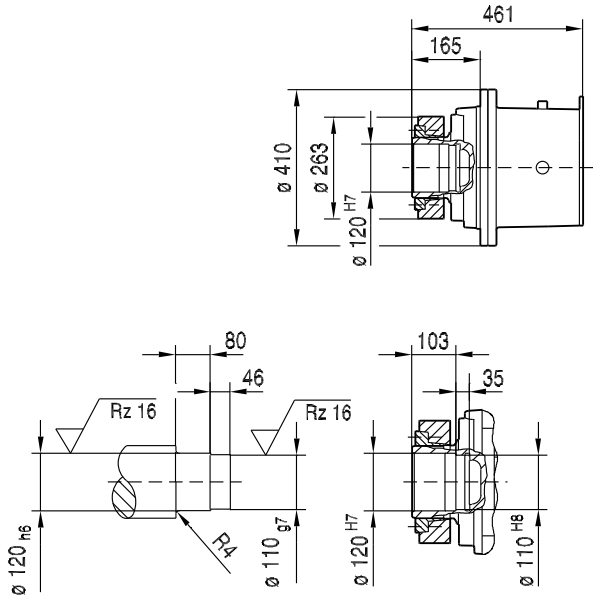
21216193/EN – 11/2014

PF002RF97..

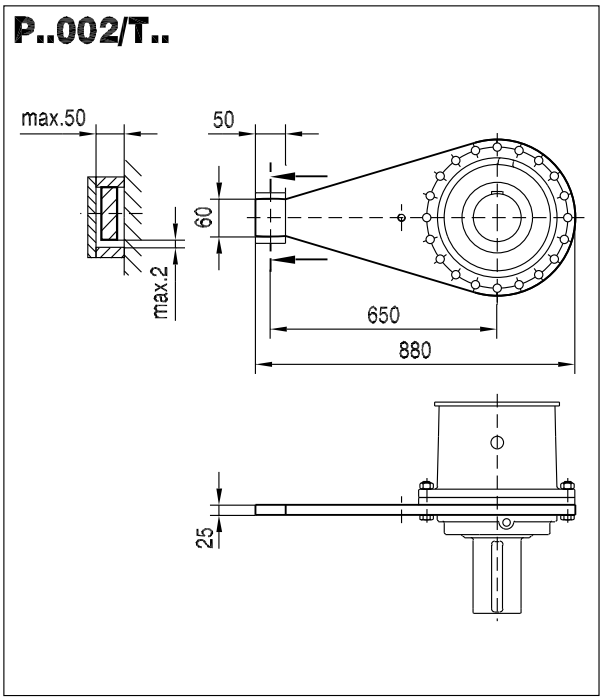
45 032 02 08



PHF002RF97..



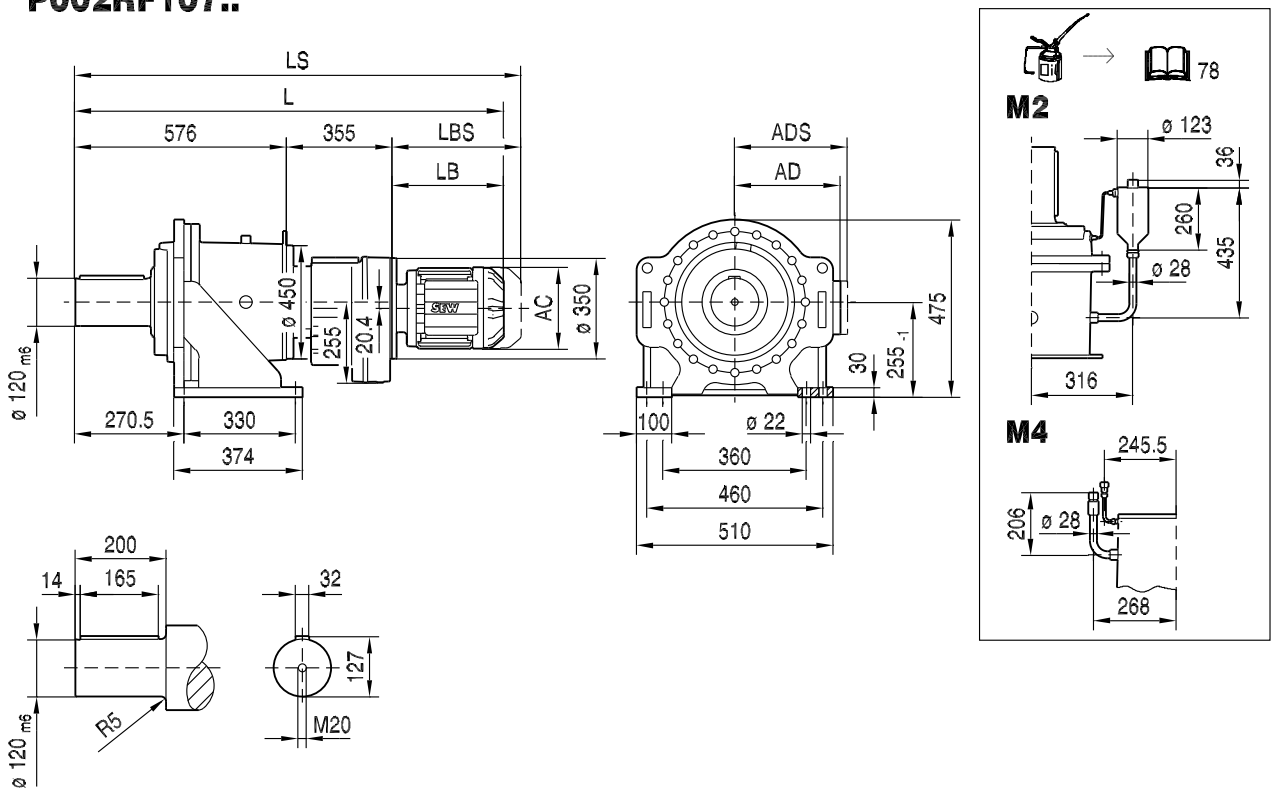
P..002/T..



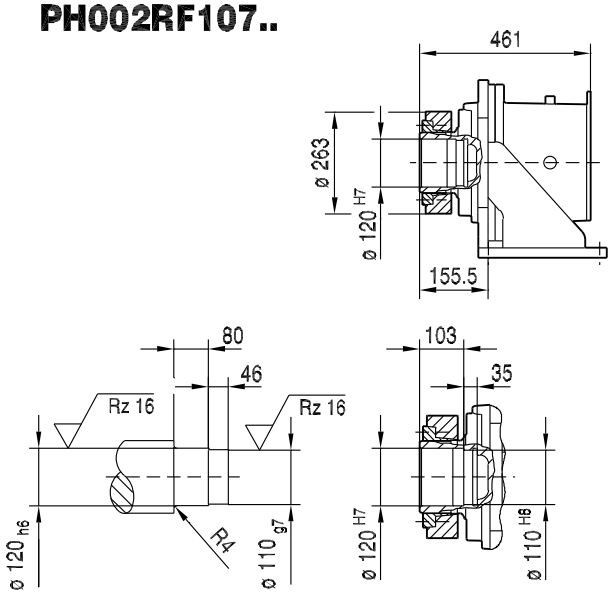
(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S		
AC	221	272	316	316	394	394		
AD	170	228	253	253	283	283		
ADS	172	228	253	253	283	283		
L	1315	1356	1425	1485	1558	1558		
LS	1427	1493	1614	1674	1763	1763		
LB	419	460	529	589	662	662		
LBS	531	597	718	778	867	867		

P002RF107..

45 004 02 08



PH002RF107..

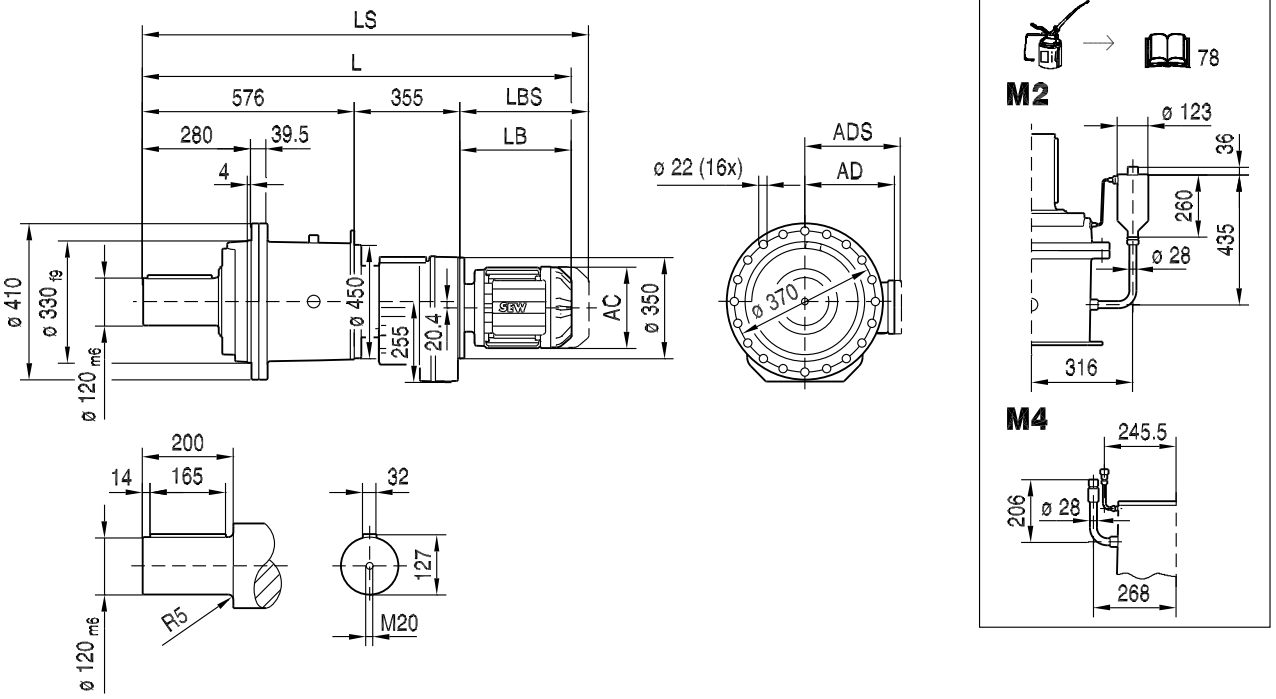


(→ 90)	DR180L/LC	DR200	DR225S					
AC	316	394	394					
AD	253	283	283					
ADS	253	283	283					
L	1514	1587	1587					
LS	1703	1792	1792					
LB	583	656	656					
LBS	772	861	861					

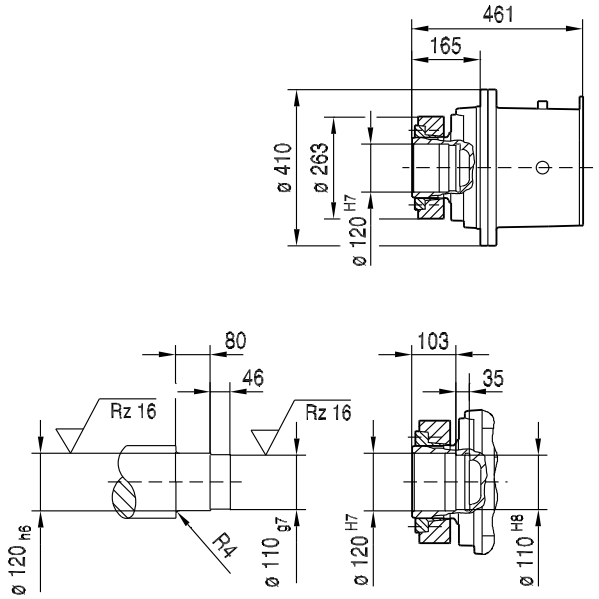
21216193/EN – 11/2014

PF002RF107..

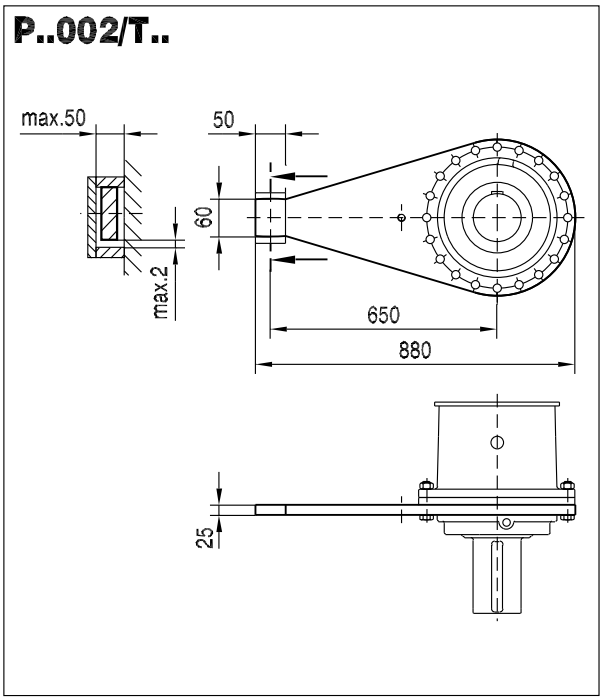
45 033 02 08



PHF002RF107..



P..002/T..

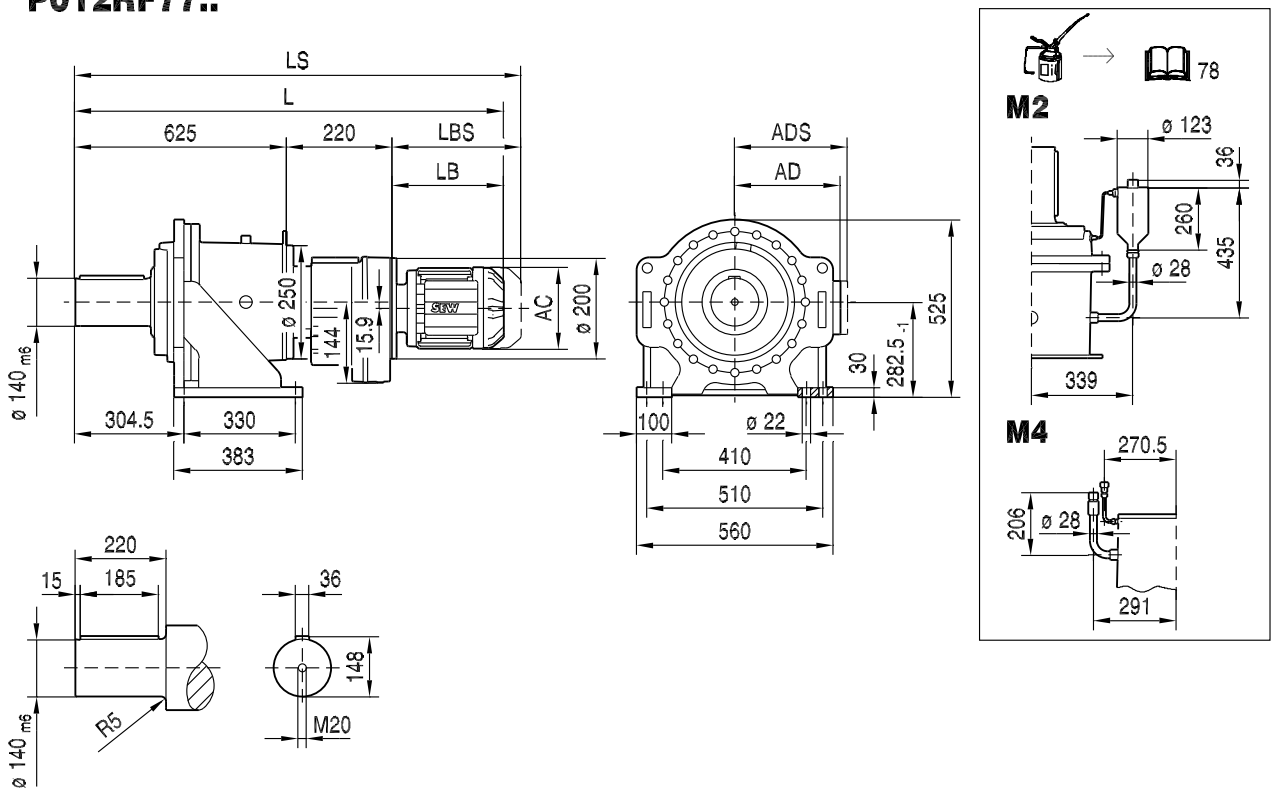


(→ 90)	DR180L/LC	DR200	DR225S					
AC	316	394	394					
AD	253	283	283					
ADS	253	283	283					
L	1514	1587	1587					
LS	1703	1792	1792					
LB	583	656	656					
LBS	772	861	861					

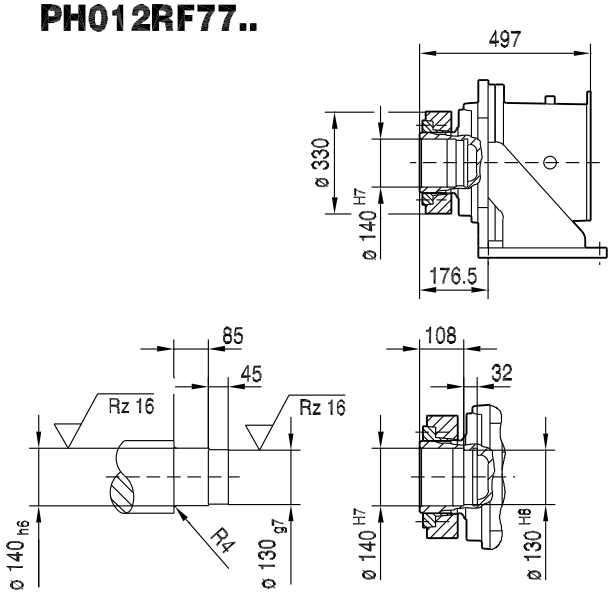
21216193/EN – 11/2014

P012RF77..

45 005 02 08



PH012RF77..

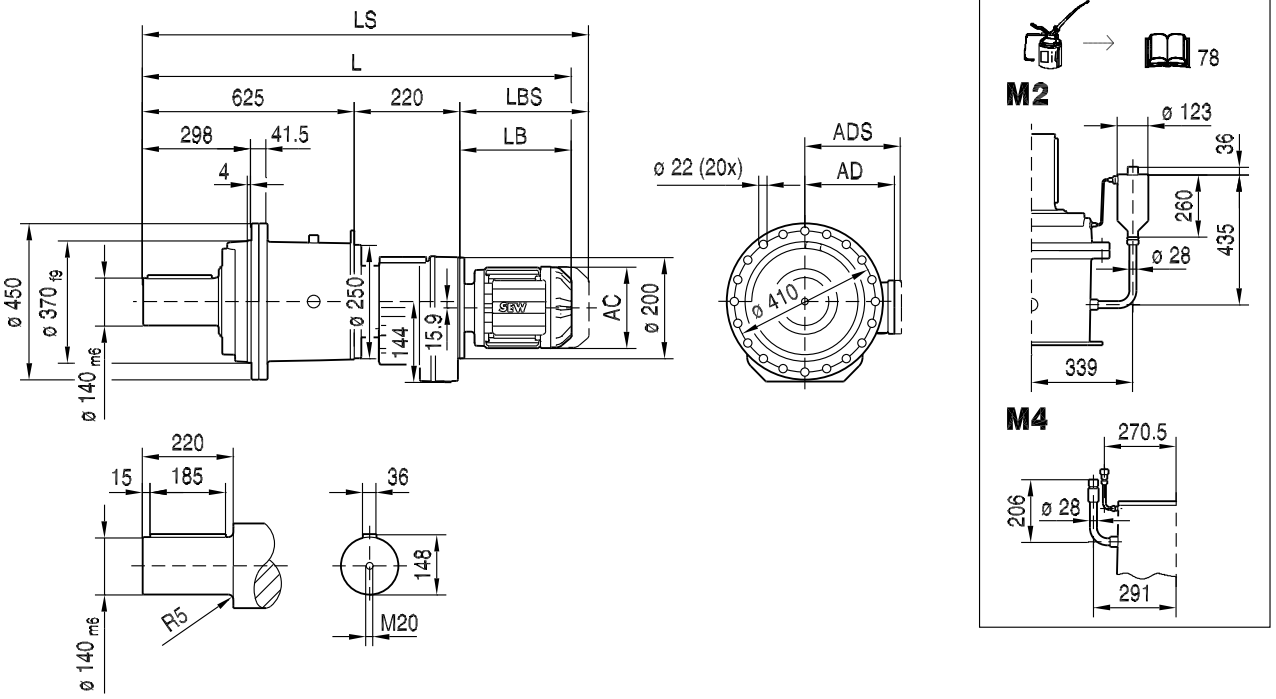


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	156	156	179	179	197	197	221	221
AD	128	128	140	140	157	157	170	170
ADS	139	139	150	150	158	158	172	172
L	1068	1099	1101	1121	1151	1181	1224	1274
LS	1149	1180	1194	1214	1244	1274	1336	1386
LB	223	254	256	276	306	336	379	429
LBS	304	335	349	369	399	429	491	541

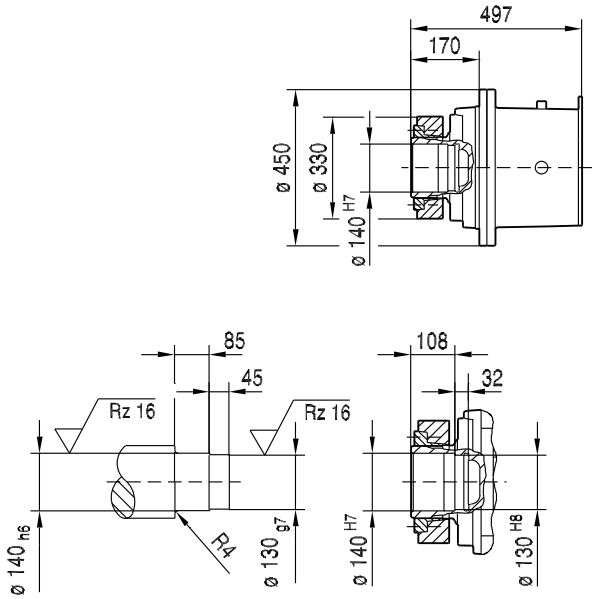
21216193/EN – 11/2014

PF012RF77..

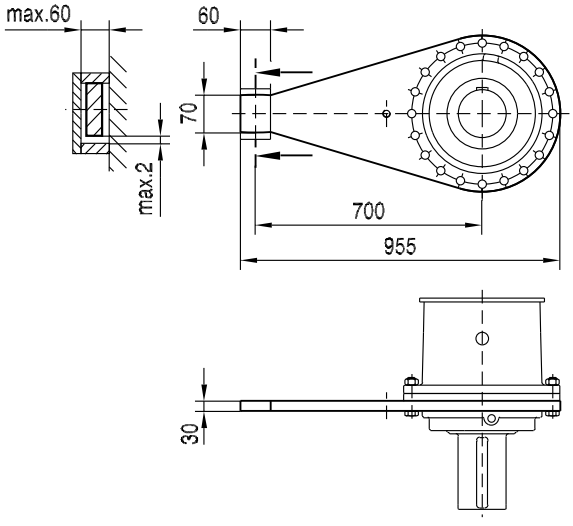
45 034 02 08



PHF012RF77..



P..012/T..

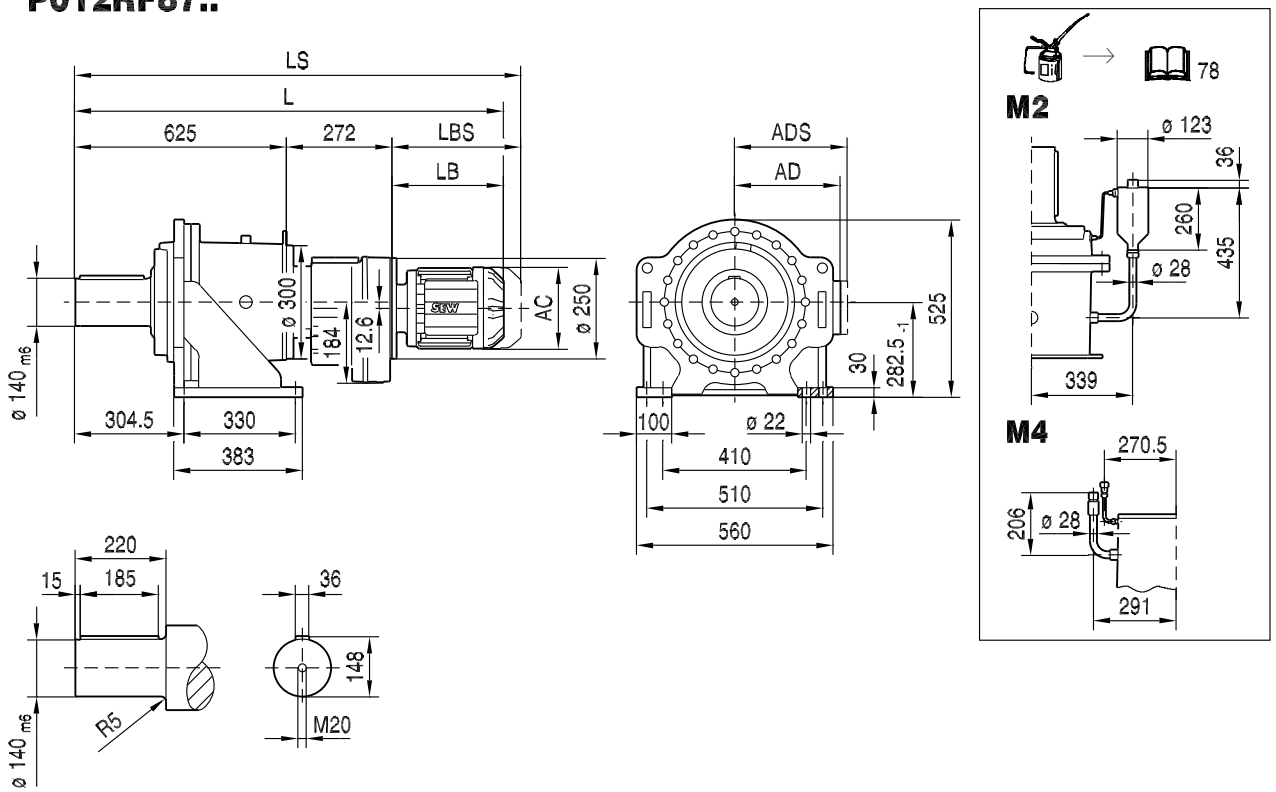


(→ 📄 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	156	156	179	179	197	197	221	221
AD	128	128	140	140	157	157	170	170
ADS	139	139	150	150	158	158	172	172
L	1068	1099	1101	1121	1151	1181	1224	1274
LS	1149	1180	1194	1214	1244	1274	1336	1386
LB	223	254	256	276	306	336	379	429
LBS	304	335	349	369	399	429	491	541

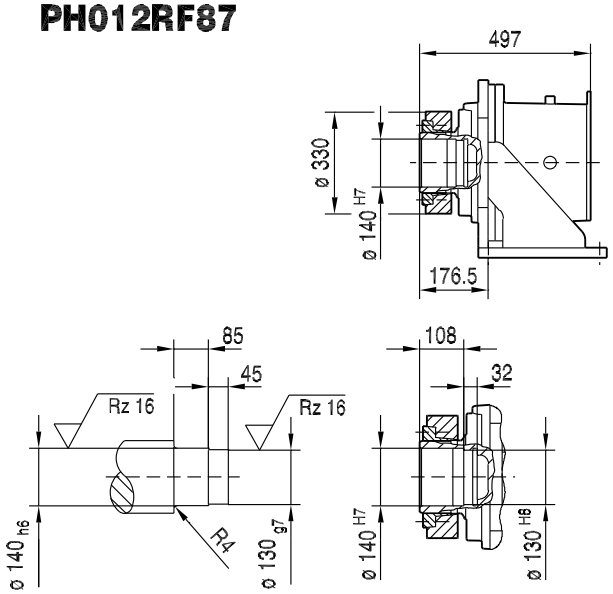
21216193/EN – 11/2014

P012RF87..

45 006 02 08



PH012RF87

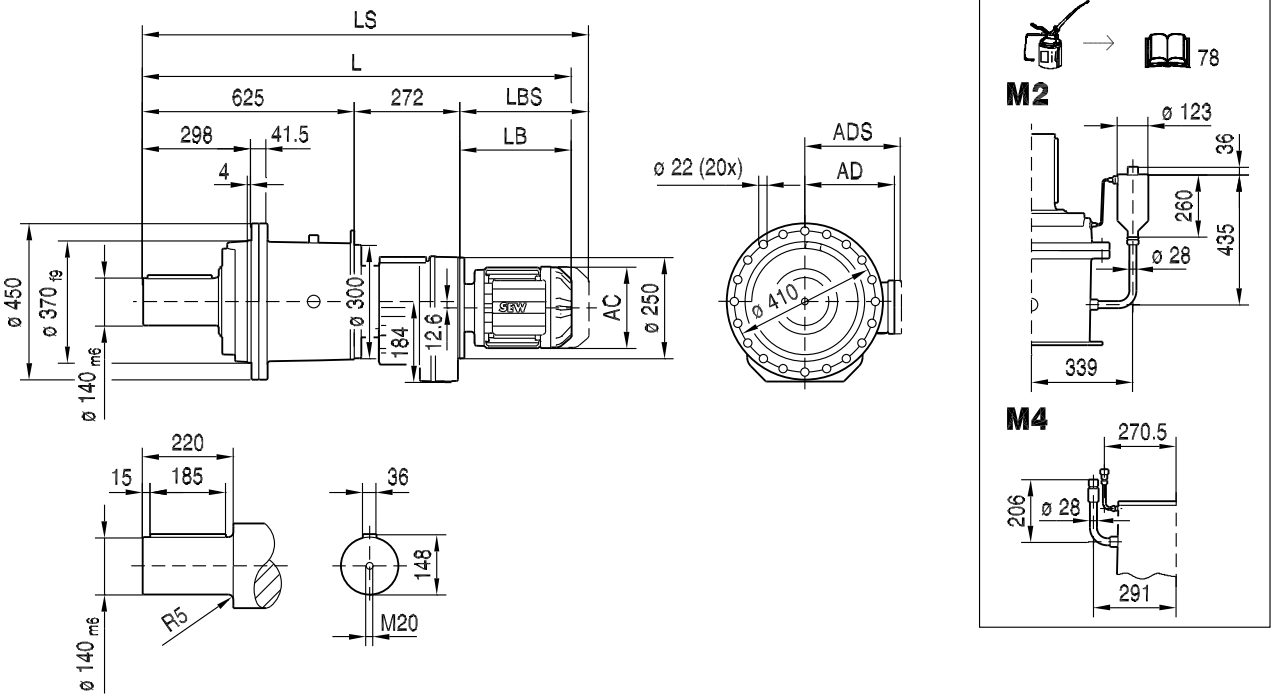


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M
AC	156	156	179	179	197	197	221	221	221	272	316
AD	128	128	140	140	157	157	170	170	170	228	253
ADS	139	139	150	150	158	158	172	172	172	228	253
L	1115	1146	1148	1168	1198	1228	1236	1271	1321	1362	1431
LS	1196	1227	1241	1261	1291	1321	1348	1383	1433	1499	1620
LB	218	249	251	271	301	331	339	374	424	465	534
LBS	299	330	344	364	394	424	451	486	536	602	723

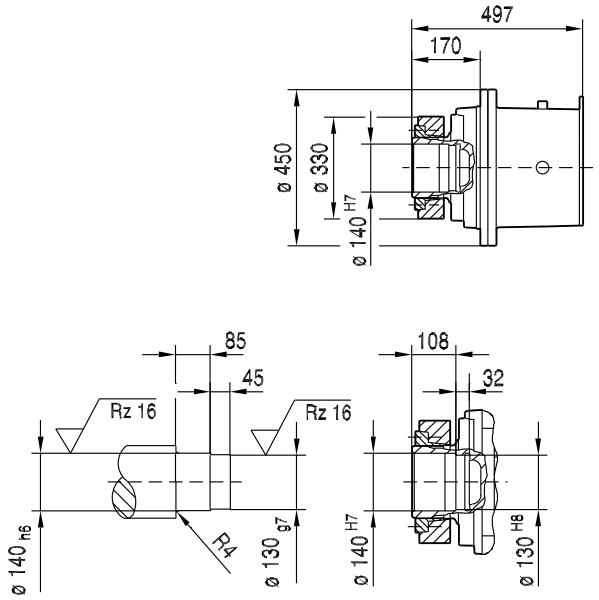
21216193/EN – 11/2014

PF012RF87..

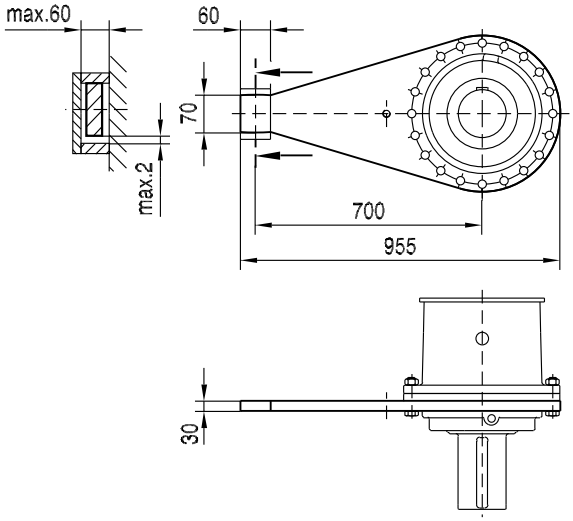
45 035 02 08



PHF012RF87..



P..012/T..

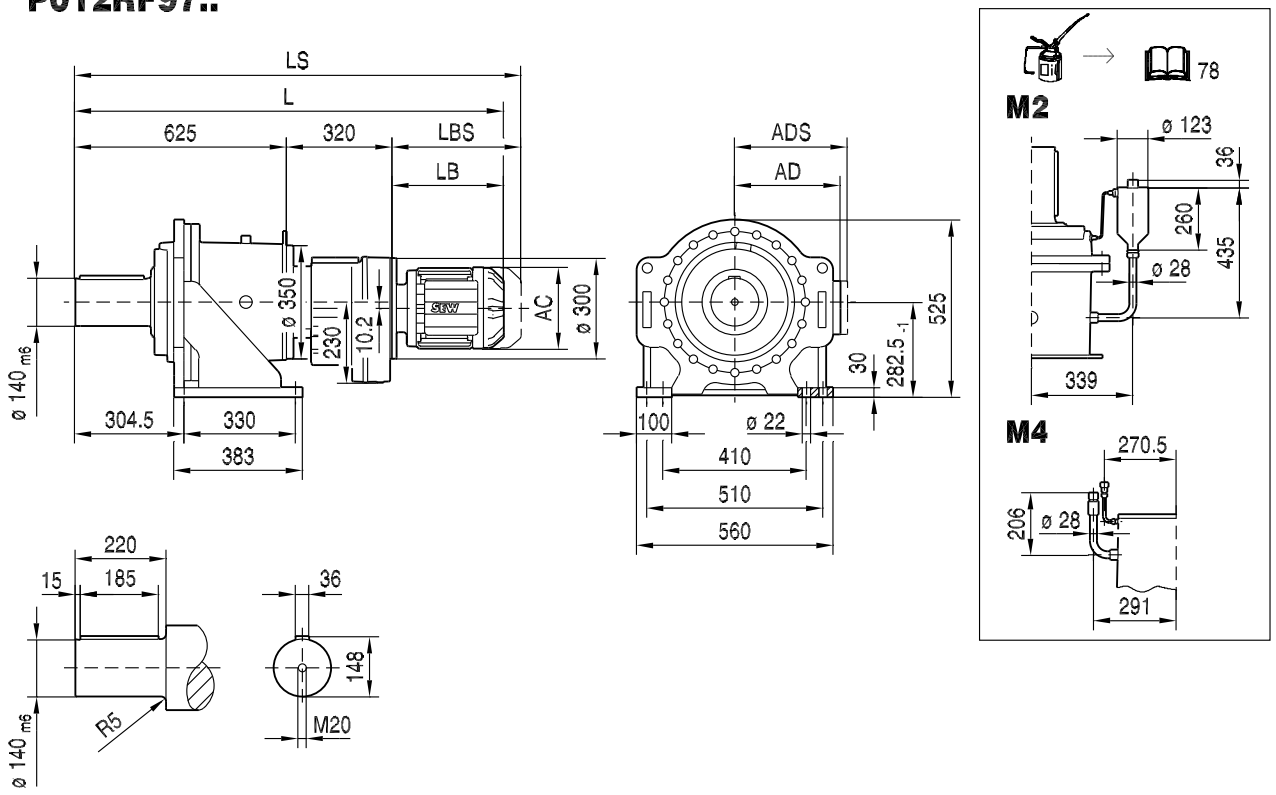


(→ 📄 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M
AC	156	156	179	179	197	197	221	221	221	272	316
AD	128	128	140	140	157	157	170	170	170	228	253
ADS	139	139	150	150	158	158	172	172	172	228	253
L	1115	1146	1148	1168	1198	1228	1236	1271	1321	1362	1431
LS	1196	1227	1241	1261	1291	1321	1348	1383	1433	1499	1620
LB	218	249	251	271	301	331	339	374	424	465	534
LBS	299	330	344	364	394	424	451	486	536	602	723

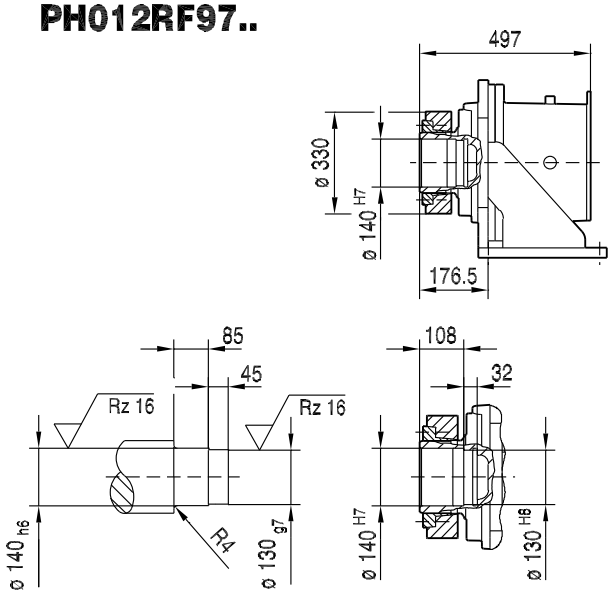
21216193/EN – 11/2014

P012RF97..

45 007 02 08



PH012RF97..

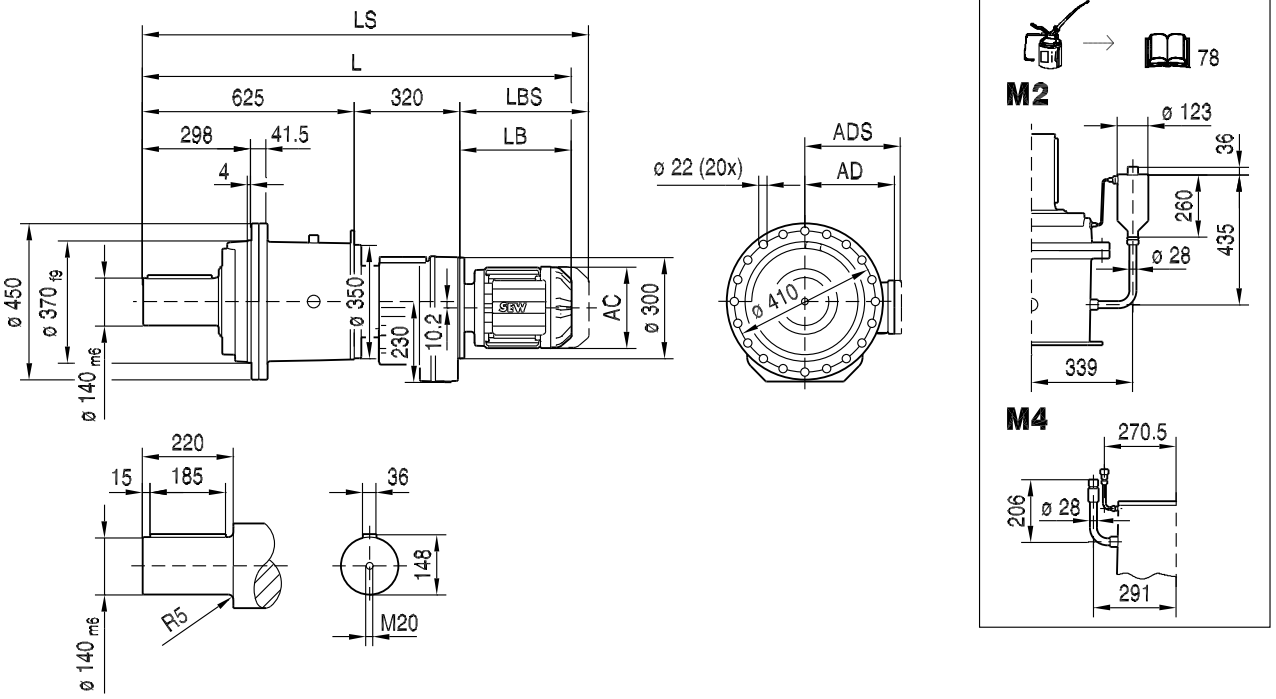


(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S
AC	197	197	221	221	221	272	316	316	394	394
AD	157	157	170	170	170	228	253	253	283	283
ADS	158	158	172	172	172	228	253	253	283	283
L	1241	1271	1279	1314	1364	1405	1474	1534	1607	1607
LS	1334	1364	1391	1426	1476	1542	1663	1723	1812	1812
LB	296	326	334	369	419	460	529	589	662	662
LBS	389	419	446	481	531	597	718	778	867	867

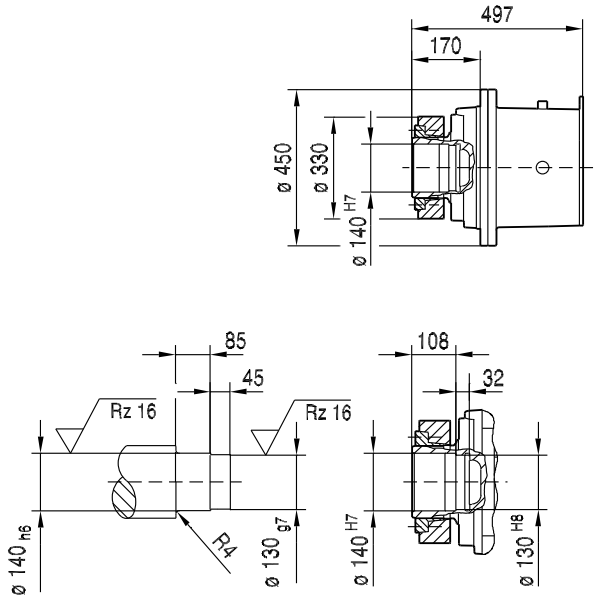
21216193/EN – 11/2014

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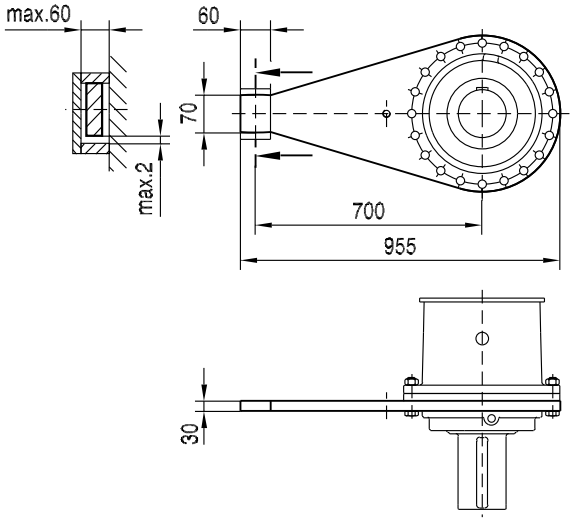
45 036 02 08



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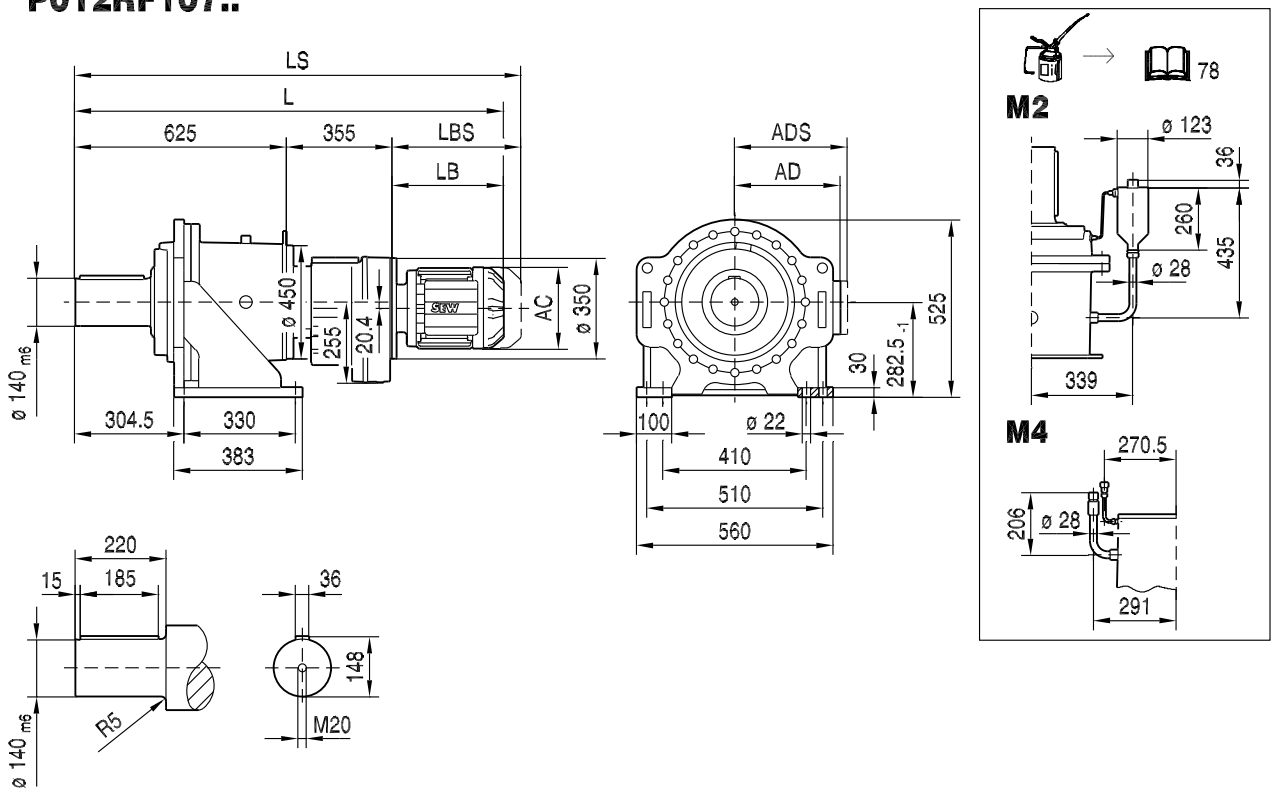
P..012/T..



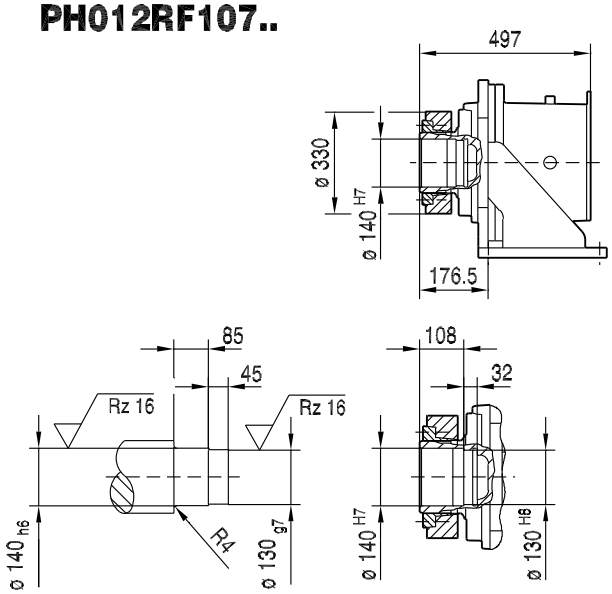
(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S
AC	197	197	221	221	221	272	316	316	394	394
AD	157	157	170	170	170	228	253	253	283	283
ADS	158	158	172	172	172	228	253	253	283	283
L	1241	1271	1279	1314	1364	1405	1474	1534	1607	1607
LS	1334	1364	1391	1426	1476	1542	1663	1723	1812	1812
LB	296	326	334	369	419	460	529	589	662	662
LBS	389	419	446	481	531	597	718	778	867	867

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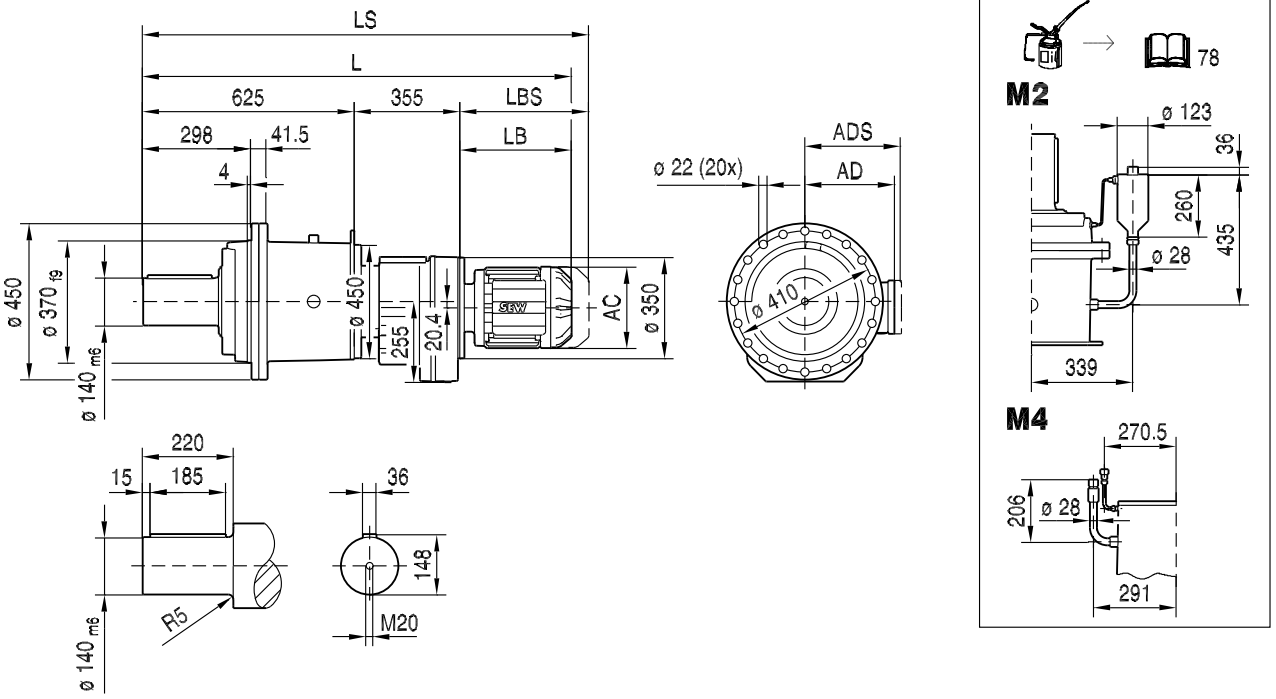


(→ 90)	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC			
AC	316	316	394	394	394			
AD	253	253	283	283	283			
ADS	253	253	283	283	283			
L	1503	1563	1636	1636	1686			
LS	1692	1752	1841	1841	1891			
LB	523	583	656	656	706			
LBS	712	772	861	861	911			

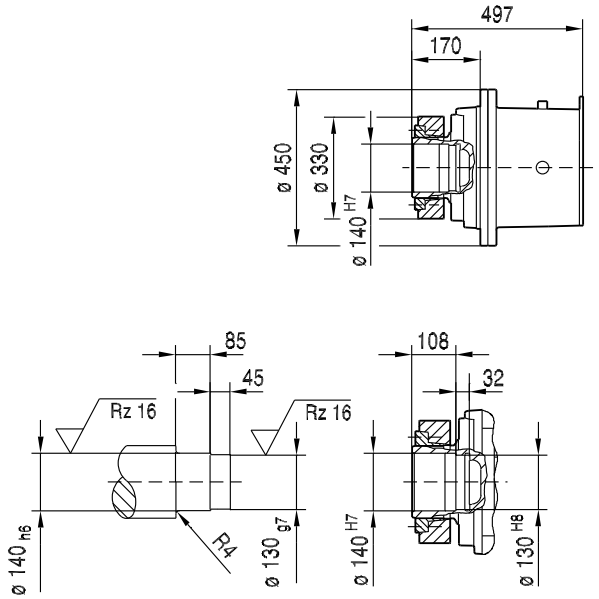
21216193/EN – 11/2014

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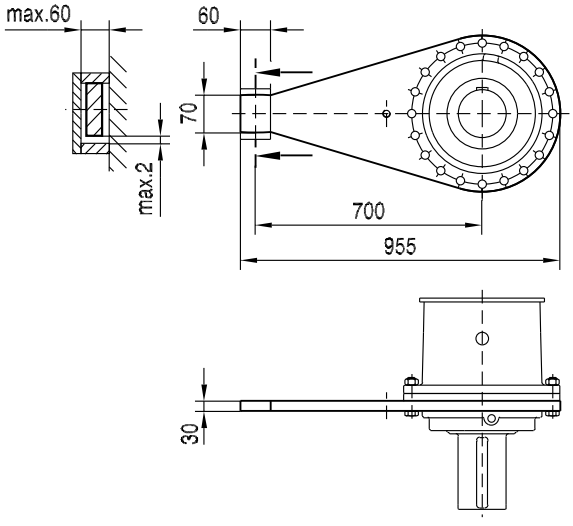
45 037 02 08



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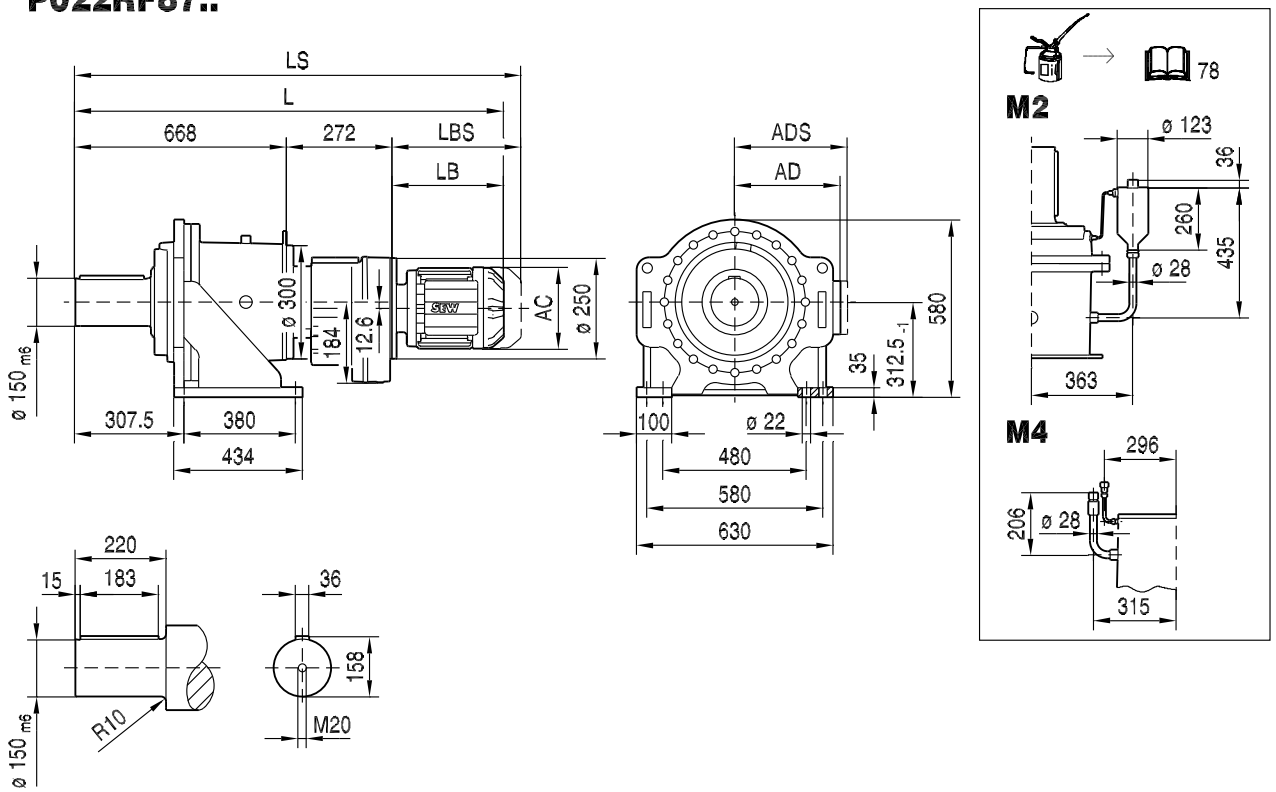


(→ 90)	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC			
AC	316	316	394	394	394			
AD	253	253	283	283	283			
ADS	253	253	283	283	283			
L	1503	1563	1636	1636	1686			
LS	1692	1752	1841	1841	1891			
LB	523	583	656	656	706			
LBS	712	772	861	861	911			

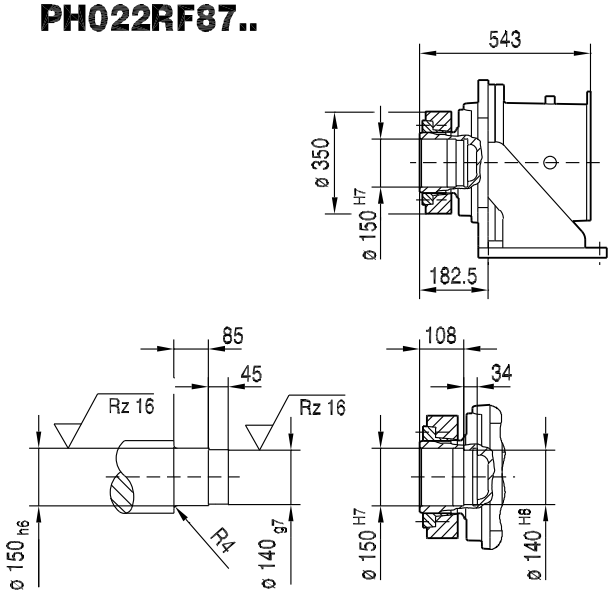
21216193/EN – 11/2014

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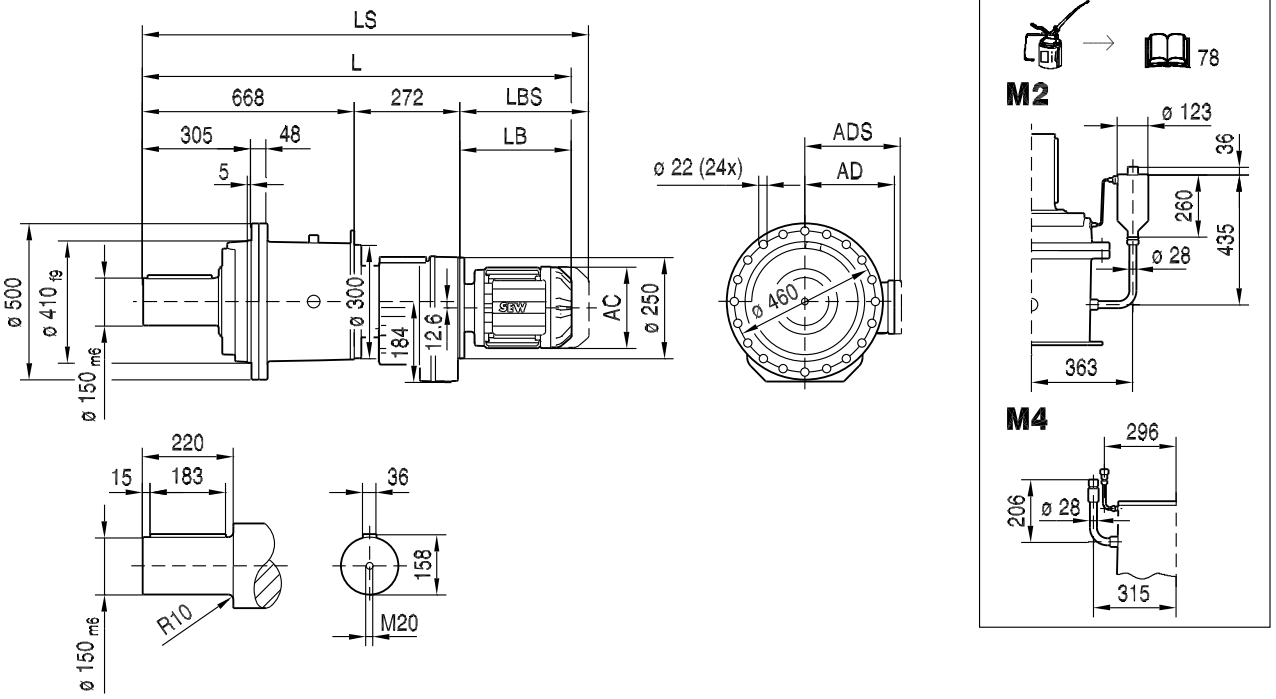


(→ 📄 90)	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..
AC	156	179	179	197	197	221	221	221	272
AD	128	140	140	157	157	170	170	170	228
ADS	139	150	150	158	158	172	172	172	228
L	1189	1191	1211	1241	1271	1279	1314	1364	1405
LS	1270	1284	1304	1334	1364	1391	1426	1476	1542
LB	249	251	271	301	331	339	374	424	465
LBS	330	344	364	394	424	451	486	536	602

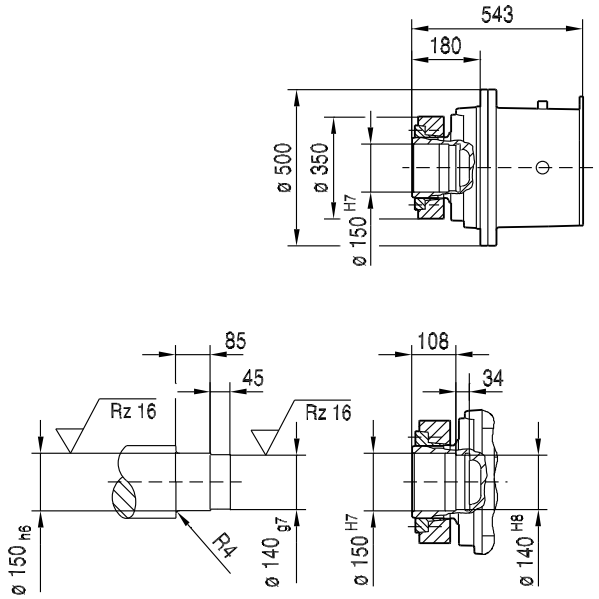
21216193/EN – 11/2014

PF022RF87..

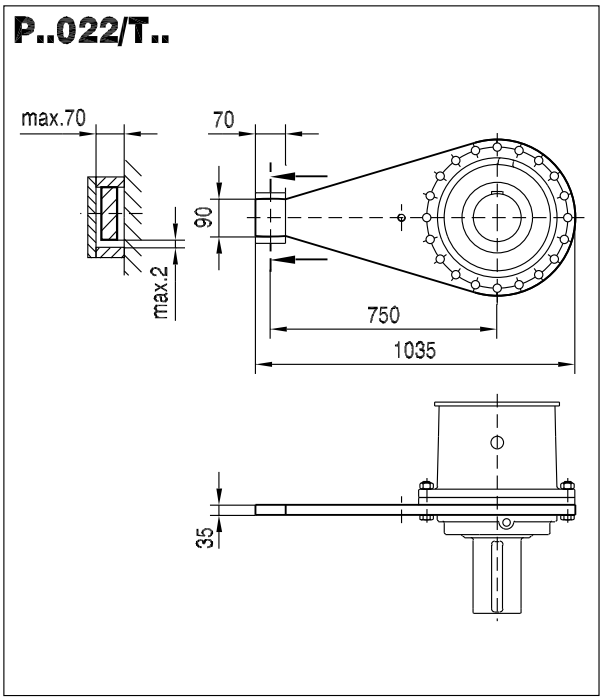
45 038 02 08



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P..022/T..

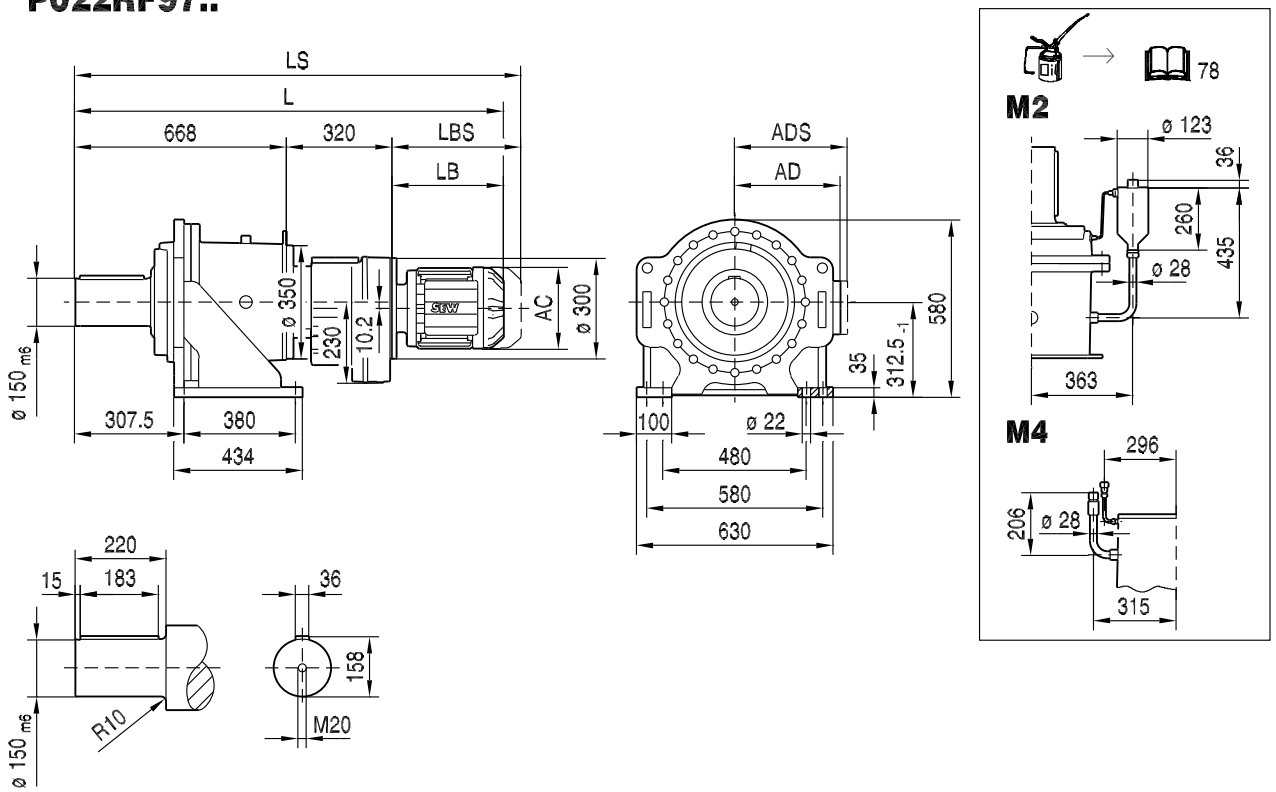


(→ 📄 90)	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..
AC	156	179	179	197	197	221	221	221	272
AD	128	140	140	157	157	170	170	170	228
ADS	139	150	150	158	158	172	172	172	228
L	1189	1191	1211	1241	1271	1279	1314	1364	1405
LS	1270	1284	1304	1334	1364	1391	1426	1476	1542
LB	249	251	271	301	331	339	374	424	465
LBS	330	344	364	394	424	451	486	536	602

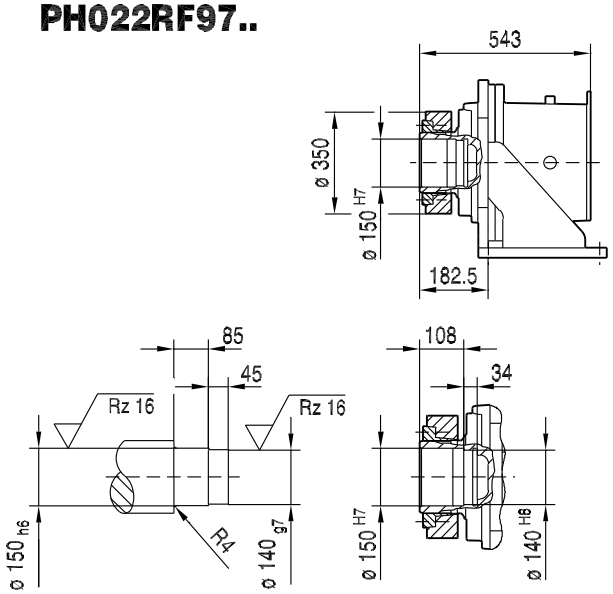
21216193/EN – 11/2014

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45 010 02 08



PH022RF97..

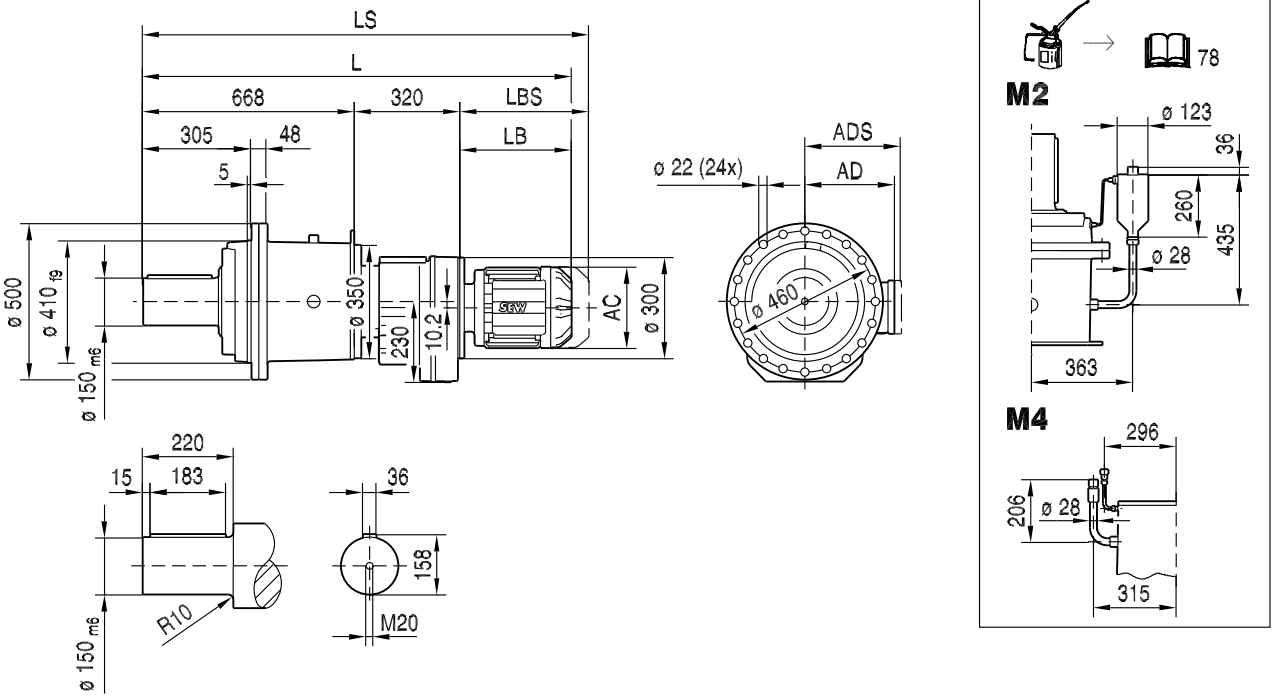


(→ 📄 90)	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200
AC	179	197	197	221	221	221	272	316	316	394
AD	140	157	157	170	170	170	228	253	253	283
ADS	150	158	158	172	172	172	228	253	253	283
L	1254	1284	1314	1322	1357	1407	1448	1517	1577	1650
LS	1347	1377	1407	1434	1469	1519	1585	1706	1766	1855
LB	266	296	326	334	369	419	460	529	589	662
LBS	359	389	419	446	481	531	597	718	778	867

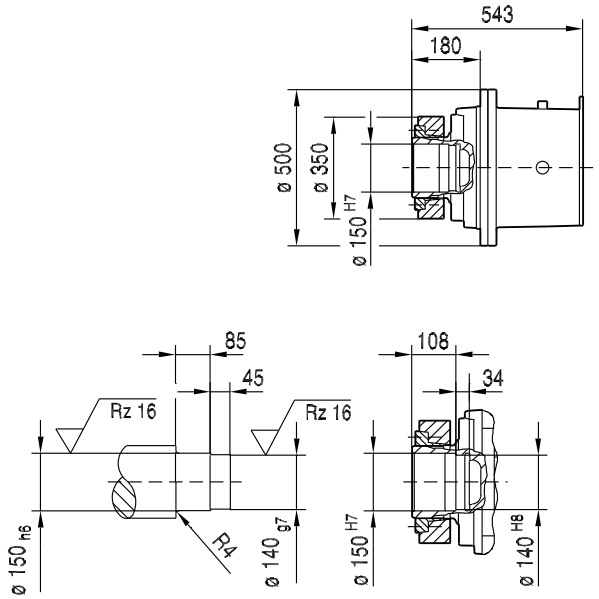
21216193/EN – 11/2014

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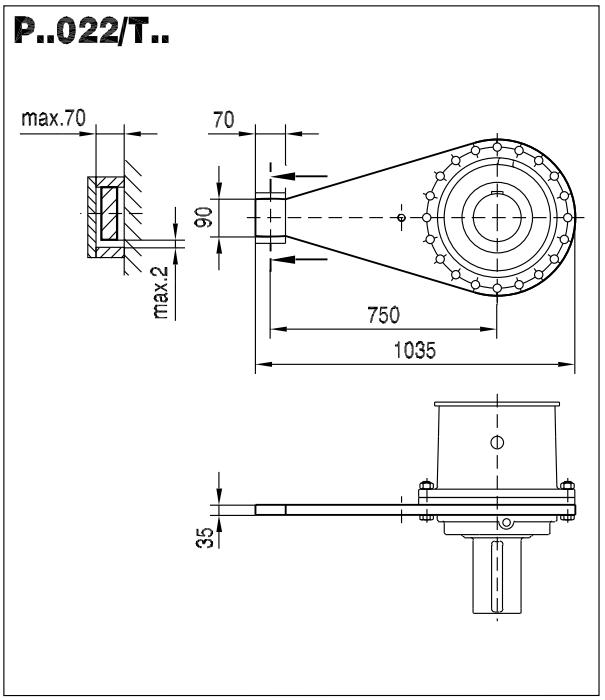
45 039 02 08



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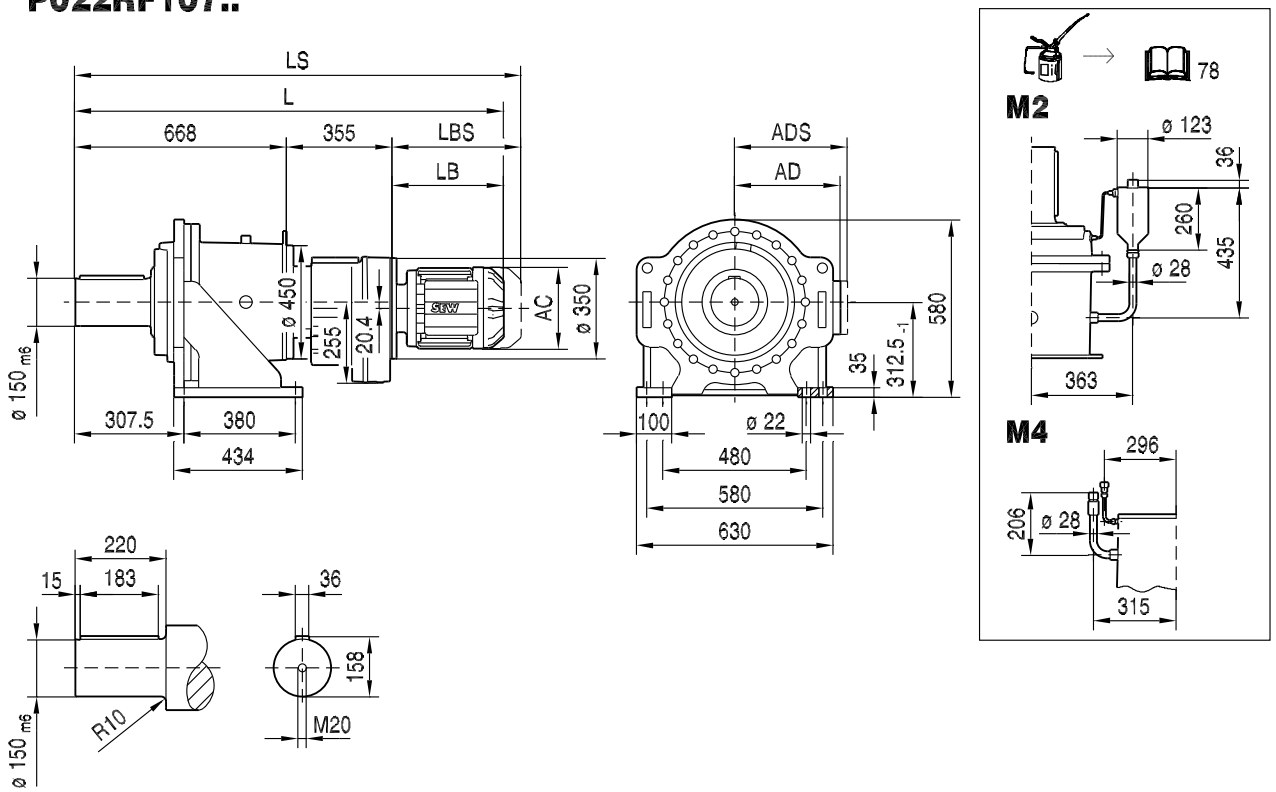
P..022/T..



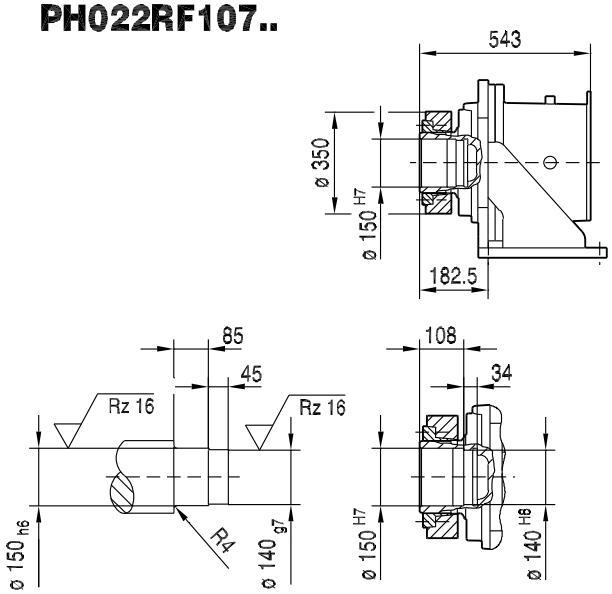
(→ 📄 90)	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200
AC	179	197	197	221	221	221	272	316	316	394
AD	140	157	157	170	170	170	228	253	253	283
ADS	150	158	158	172	172	172	228	253	253	283
L	1254	1284	1314	1322	1357	1407	1448	1517	1577	1650
LS	1347	1377	1407	1434	1469	1519	1585	1706	1766	1855
LB	266	296	326	334	369	419	460	529	589	662
LBS	359	389	419	446	481	531	597	718	778	867

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45 011 02 08



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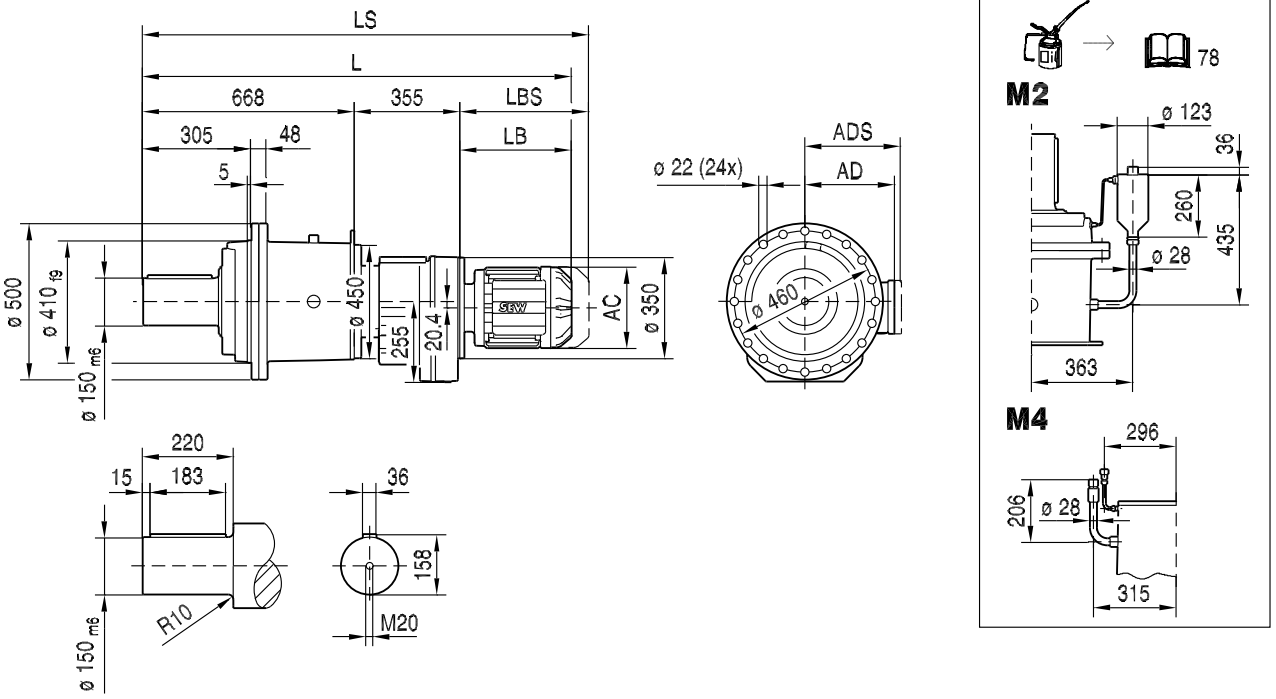


(→ 📄 90)	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	272	316	316	394	394	394
AD	157	170	170	228	253	253	283	283	283
ADS	158	172	172	228	253	253	283	283	283
L	1343	1386	1436	1477	1546	1606	1679	1679	1729
LS	1436	1498	1548	1614	1735	1795	1884	1884	1934
LB	320	363	413	454	523	583	656	656	706
LBS	413	475	525	591	712	772	861	861	911

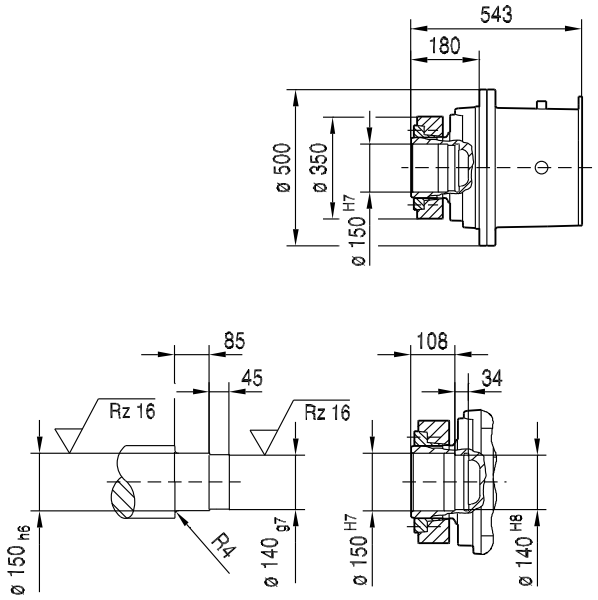
21216193/EN – 11/2014

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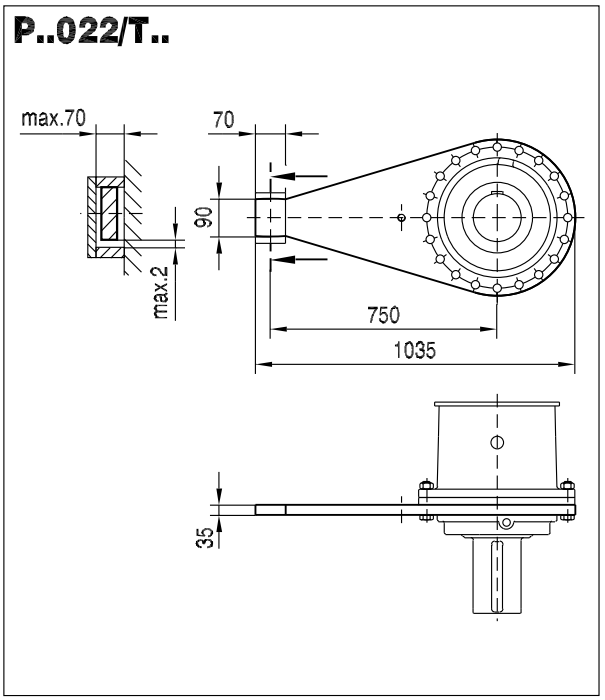
45 040 02 08



PHF022RF107..



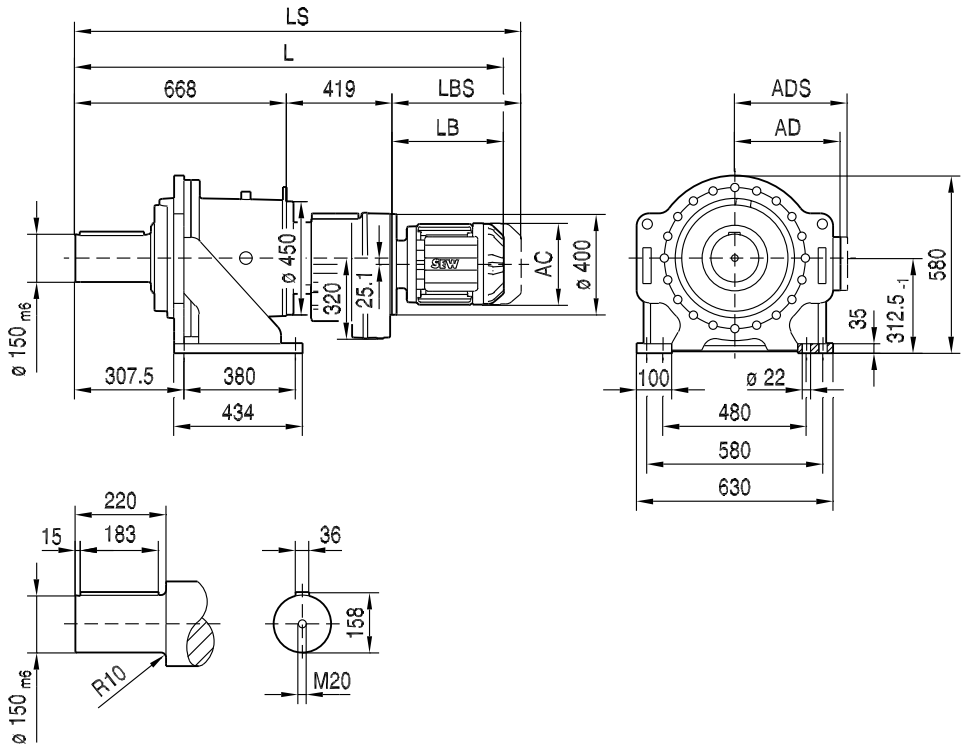
P..022/T..

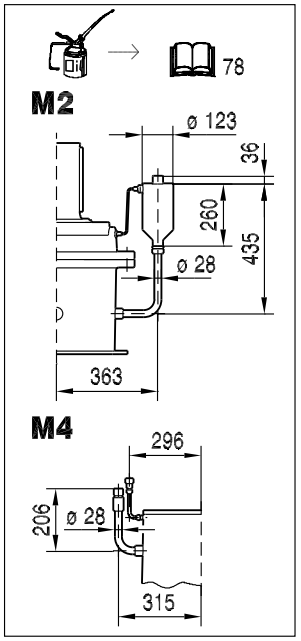


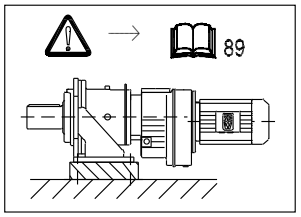
(→ 📄 90)	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	272	316	316	394	394	394
AD	157	170	170	228	253	253	283	283	283
ADS	158	172	172	228	253	253	283	283	283
L	1343	1386	1436	1477	1546	1606	1679	1679	1729
LS	1436	1498	1548	1614	1735	1795	1884	1884	1934
LB	320	363	413	454	523	583	656	656	706
LBS	413	475	525	591	712	772	861	861	911

P022RF137..

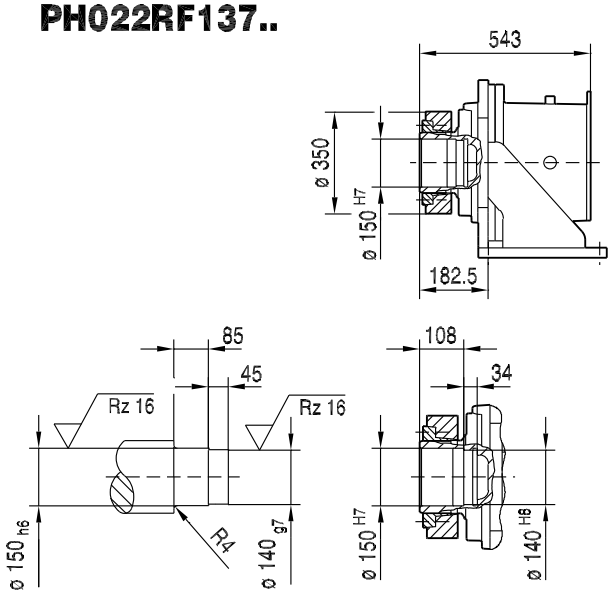
45 012 02 08







PH022RF137..

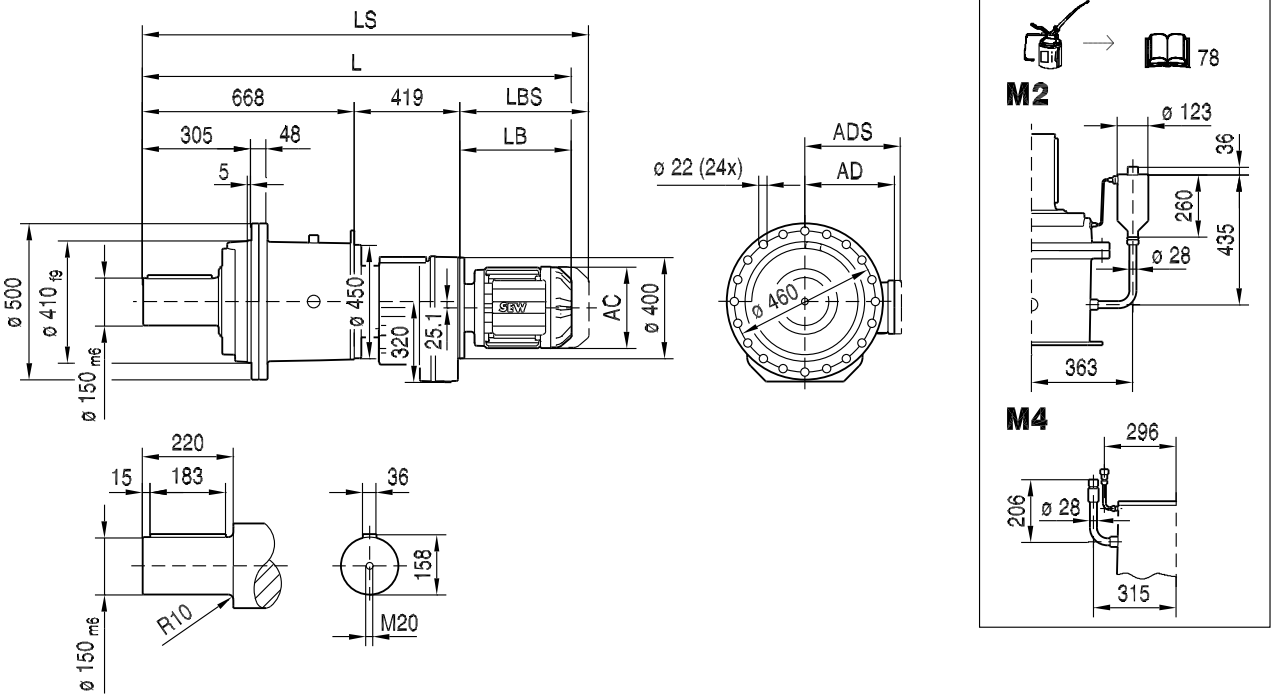


(→ 90)	DR225M/MC	DR250	DR280					
AC	394	495	495					
AD	283	394	394					
ADS	283	394	394					
L	1786	1847	1847					
LS	1991	2087	2087					
LB	699	760	760					
LBS	904	1000	1000					

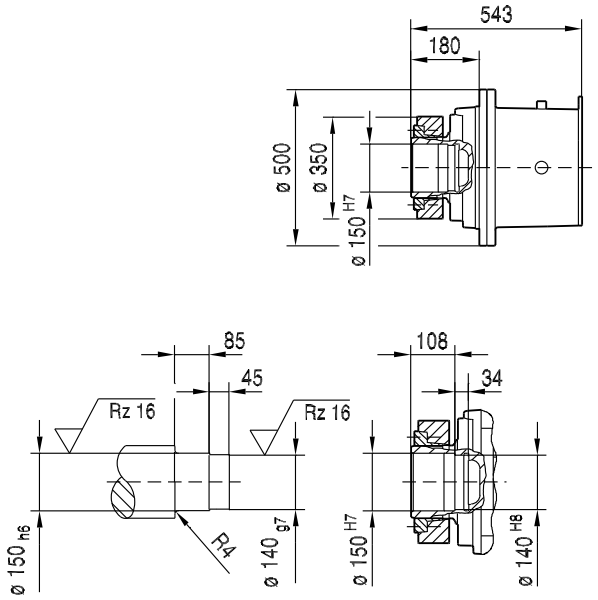
21216193/EN – 11/2014

PF022RF137..

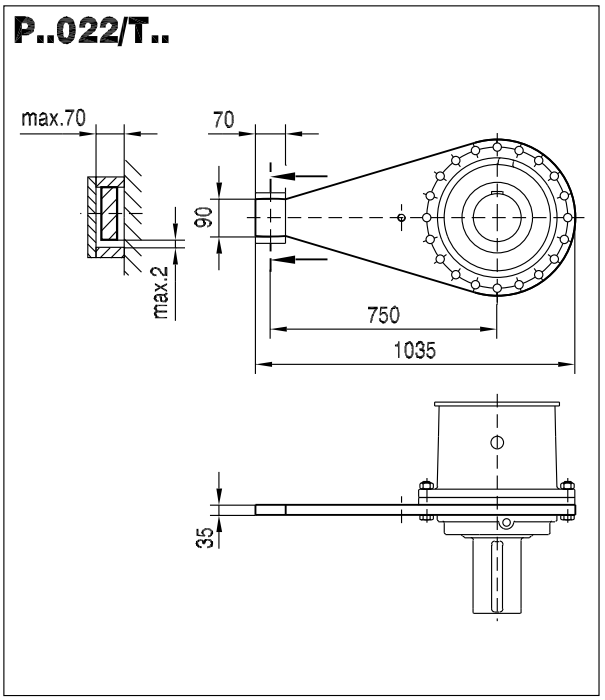
45 041 02 08



PHF022RF137..



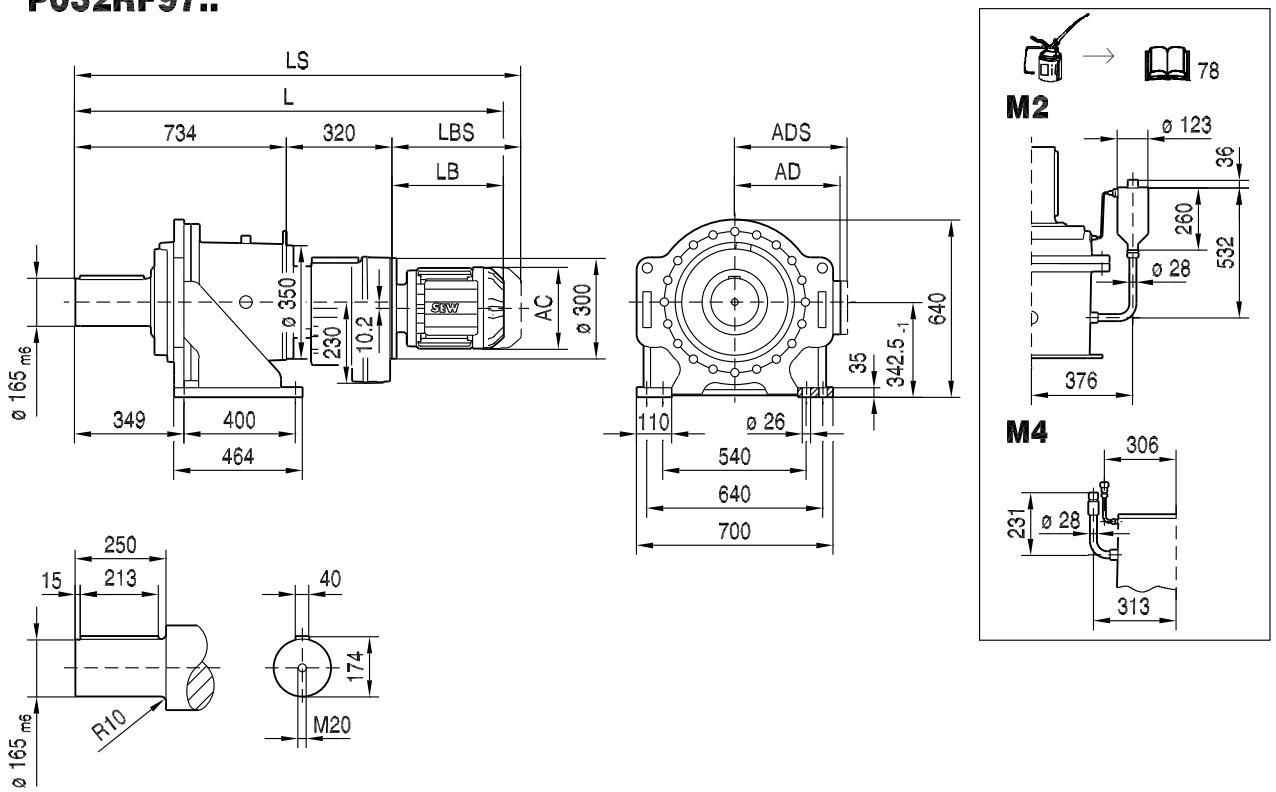
P..022/T..



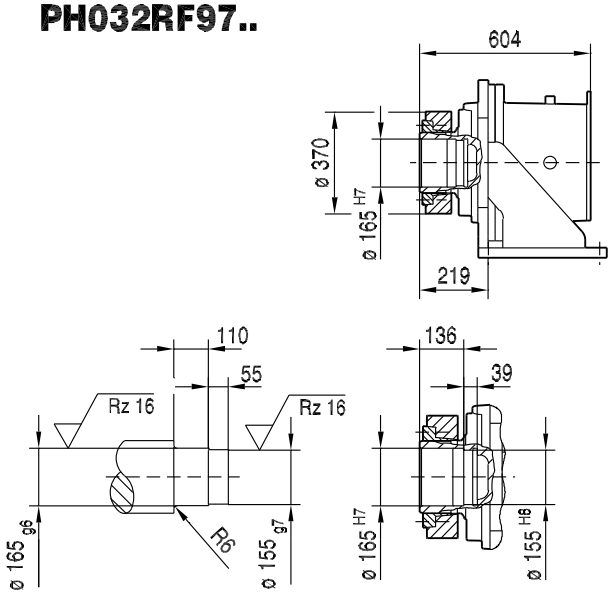
(→ 90)	DR225M/MC	DR250	DR280					
AC	394	495	495					
AD	283	394	394					
ADS	283	394	394					
L	1786	1847	1847					
LS	1991	2087	2087					
LB	699	760	760					
LBS	904	1000	1000					

P032RF97..

45 013 02 08



PH032RF97..

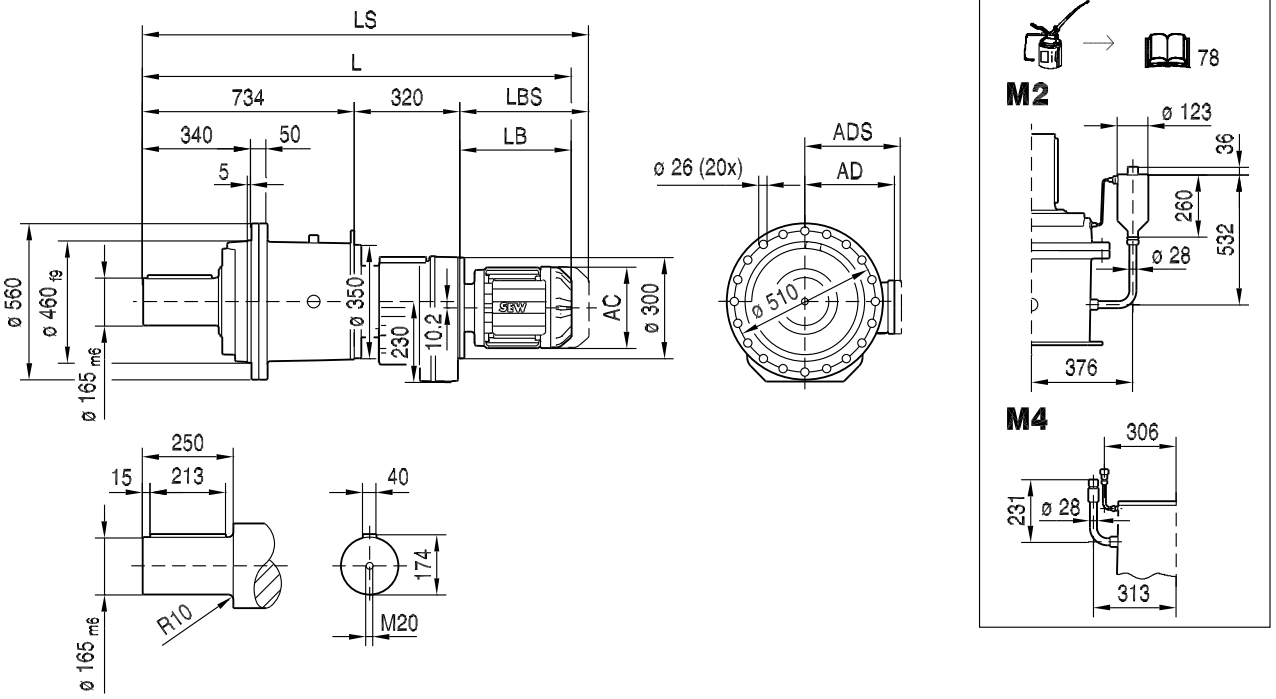


(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S
AC	197	197	221	221	221	272	316	316	394	394
AD	157	157	170	170	170	228	253	253	283	283
ADS	158	158	172	172	172	228	253	253	283	283
L	1350	1380	1388	1423	1473	1514	1583	1643	1716	1716
LS	1443	1473	1500	1535	1585	1651	1772	1832	1921	1921
LB	296	326	334	369	419	460	529	589	662	662
LBS	389	419	446	481	531	597	718	778	867	867

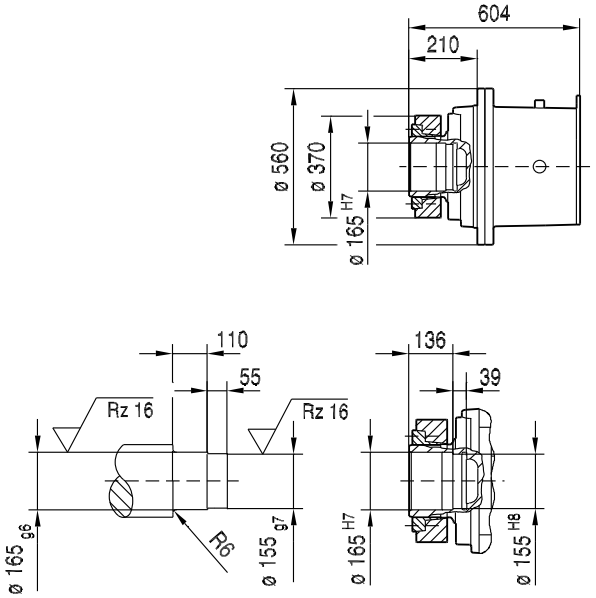
21216193/EN – 11/2014

PF032RF97..

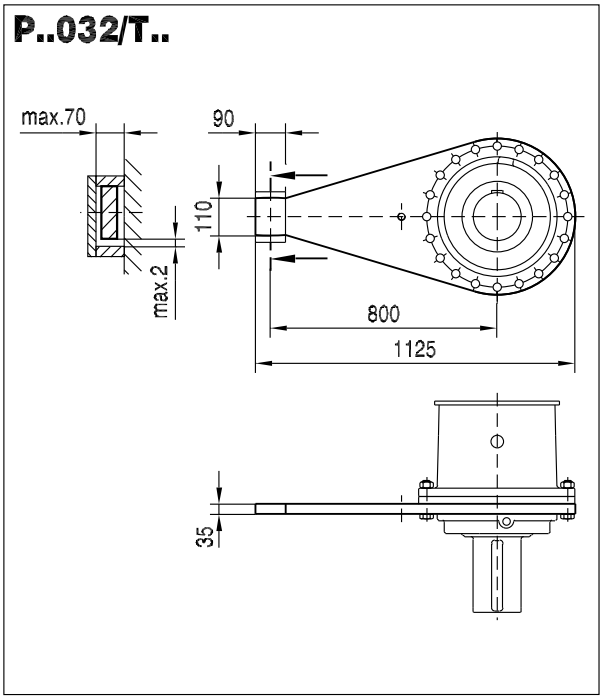
45 042 02 08



PHF032RF97..



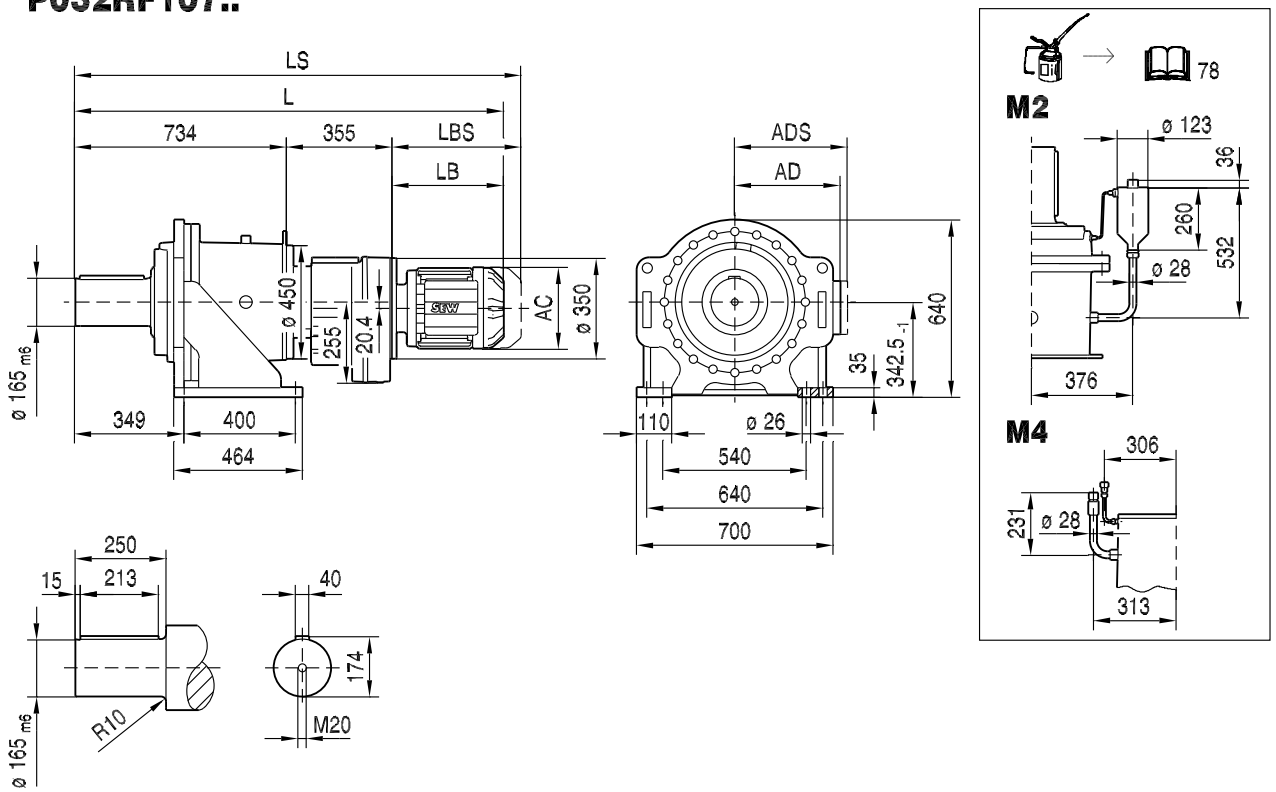
P..032/T..



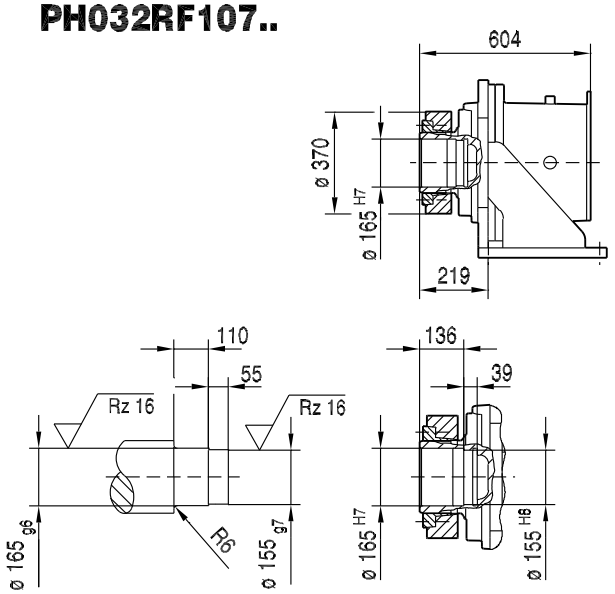
(→ 📄 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S
AC	197	197	221	221	221	272	316	316	394	394
AD	157	157	170	170	170	228	253	253	283	283
ADS	158	158	172	172	172	228	253	253	283	283
L	1350	1380	1388	1423	1473	1514	1583	1643	1716	1716
LS	1443	1473	1500	1535	1585	1651	1772	1832	1921	1921
LB	296	326	334	369	419	460	529	589	662	662
LBS	389	419	446	481	531	597	718	778	867	867

P032RF107..

45 014 02 08



PH032RF107..

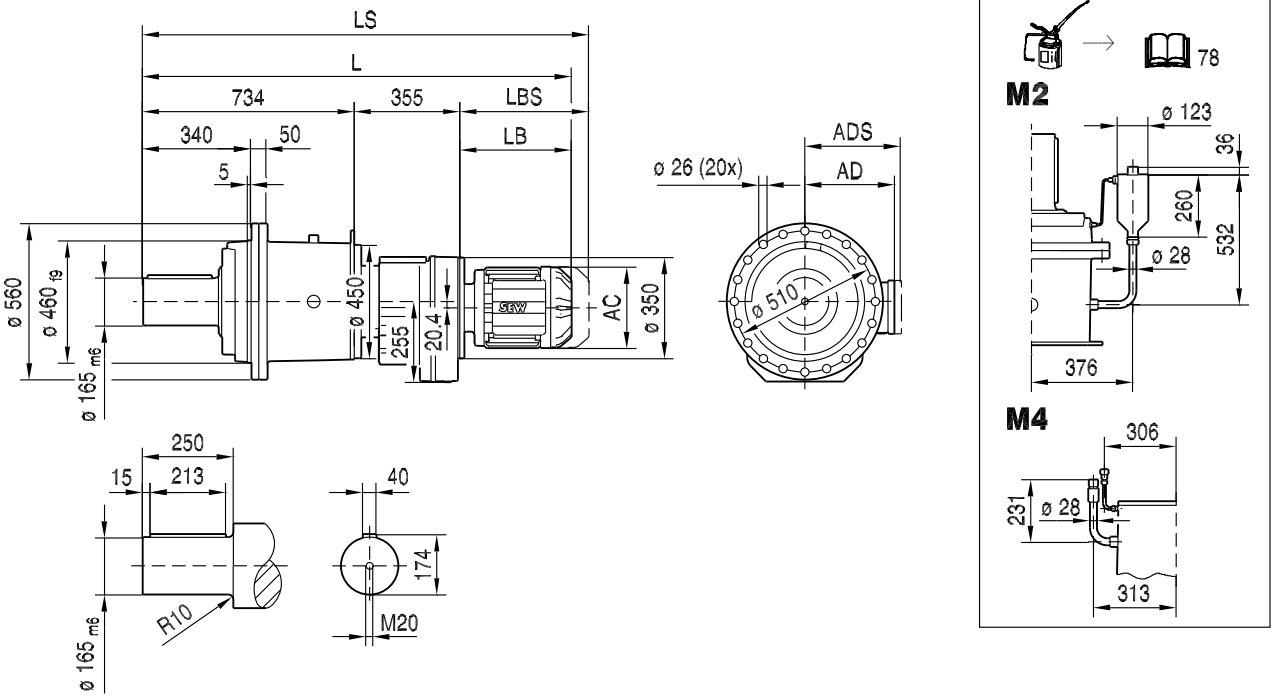


(→ 📄 90)	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	221	272	316	316	394	394	394
AD	157	170	170	170	228	253	253	283	283	283
ADS	158	172	172	172	228	253	253	283	283	283
L	1409	1417	1452	1502	1543	1612	1672	1745	1745	1795
LS	1502	1529	1564	1614	1680	1801	1861	1950	1950	2000
LB	320	328	363	413	454	523	583	656	656	706
LBS	413	440	475	525	591	712	772	861	861	911

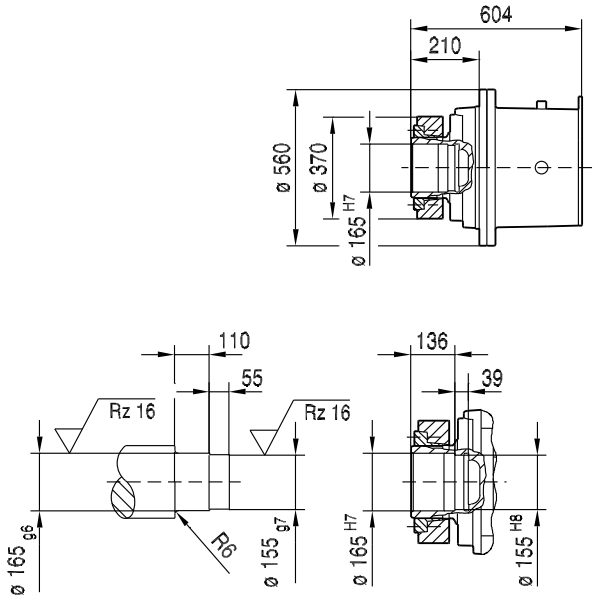
21216193/EN – 11/2014

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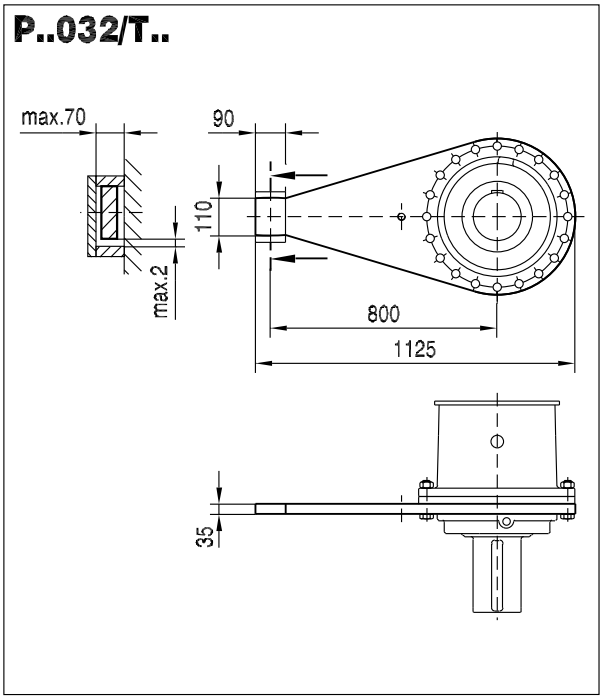
45 043 02 08



PHF032RF107..



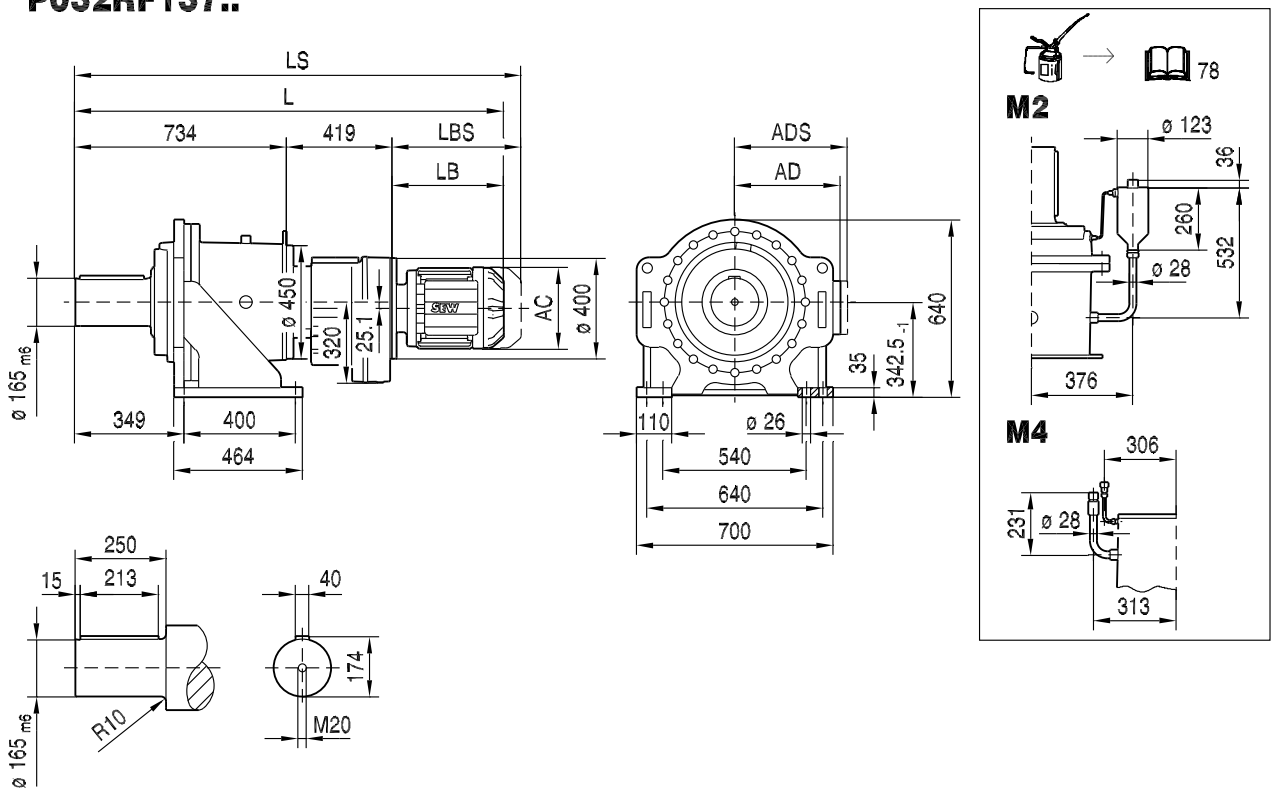
P..032/T..



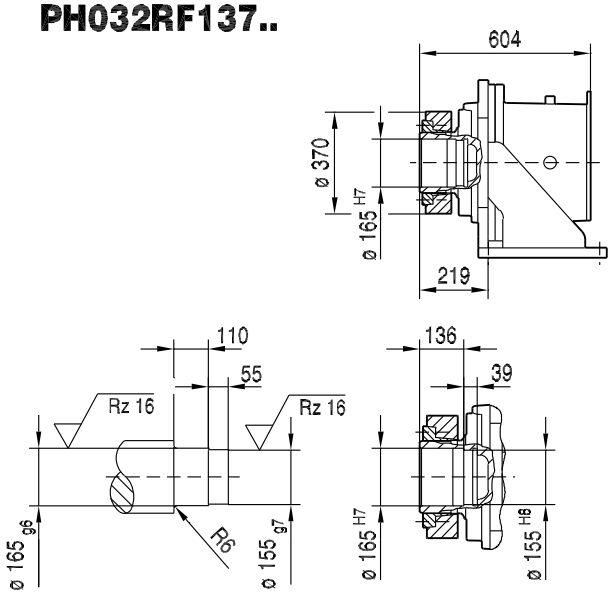
(→ 📄 90)	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	221	272	316	316	394	394	394
AD	157	170	170	170	228	253	253	283	283	283
ADS	158	172	172	172	228	253	253	283	283	283
L	1409	1417	1452	1502	1543	1612	1672	1745	1745	1795
LS	1502	1529	1564	1614	1680	1801	1861	1950	1950	2000
LB	320	328	363	413	454	523	583	656	656	706
LBS	413	440	475	525	591	712	772	861	861	911

P032RF137..

45 015 02 08



PH032RF137..

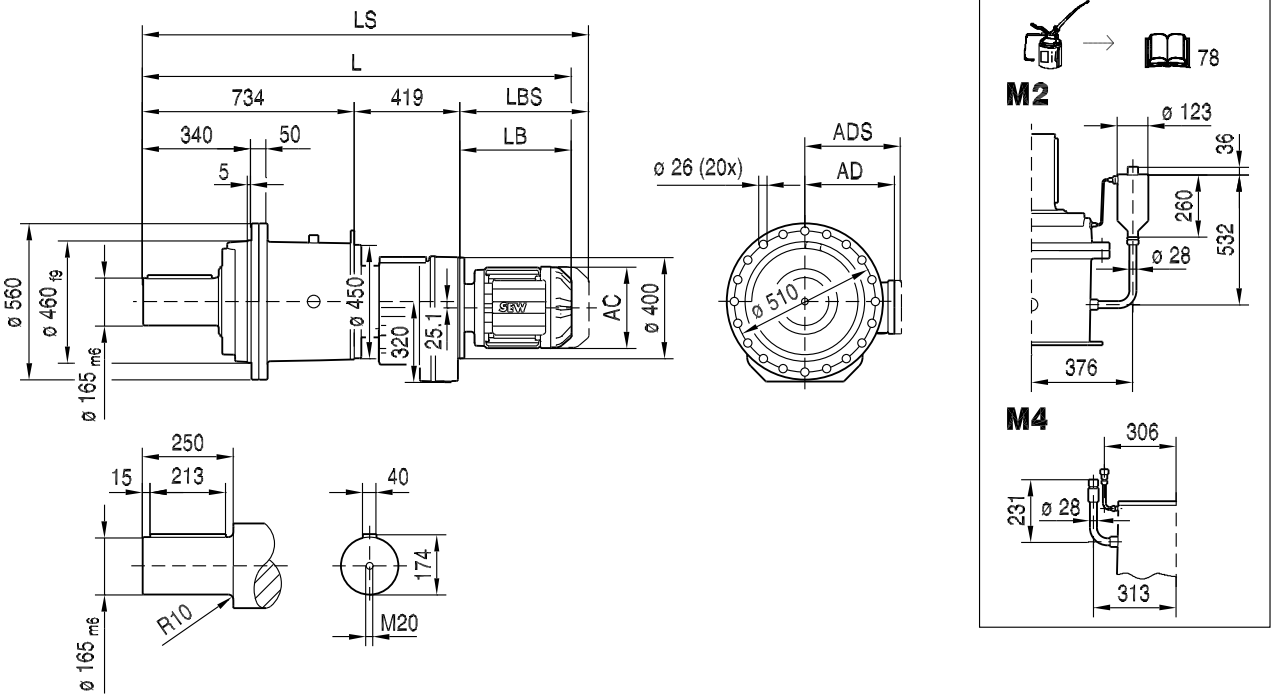


(→ 90)	DR225S	DR225M/MC	DR250	DR280				
AC	394	394	495	495				
AD	283	283	394	394				
ADS	283	283	394	394				
L	1802	1852	1913	1913				
LS	2007	2057	2153	2153				
LB	649	699	760	760				
LBS	854	904	1000	1000				

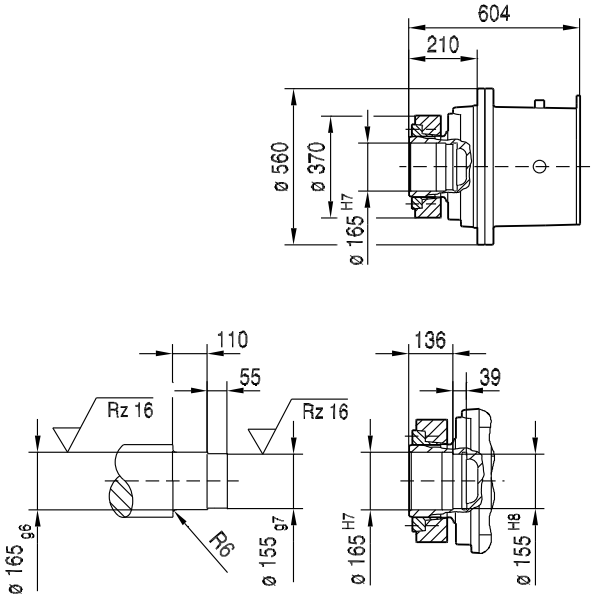
21216193/EN – 11/2014

PF032RF137..

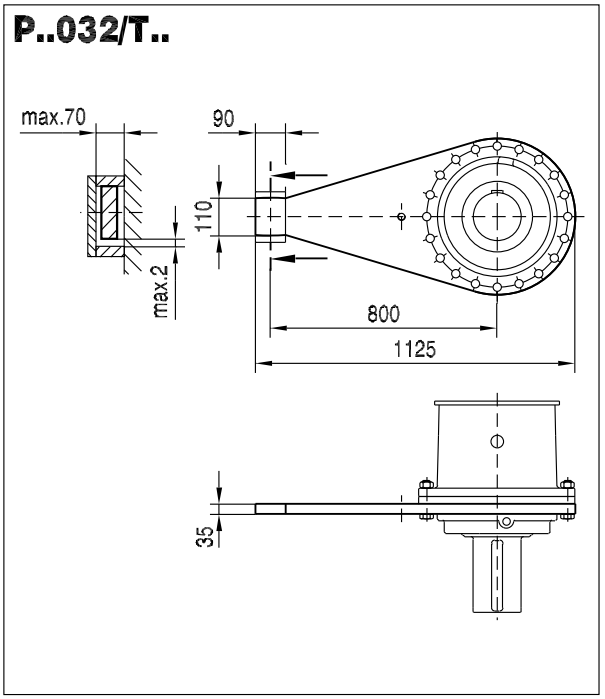
45 044 02 08



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P..032/T..

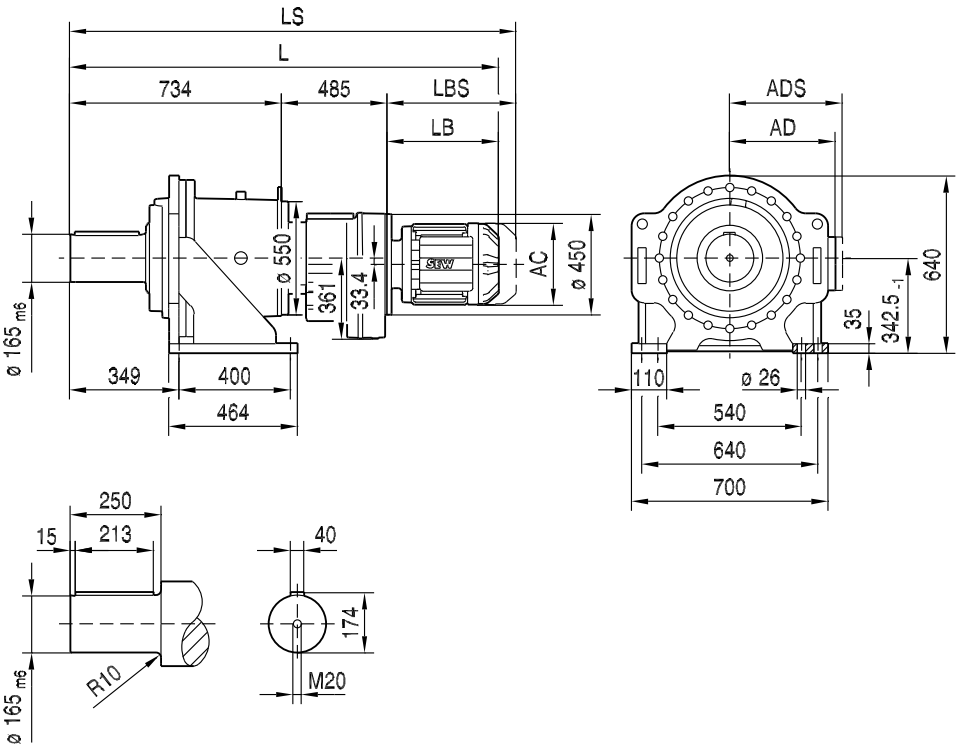


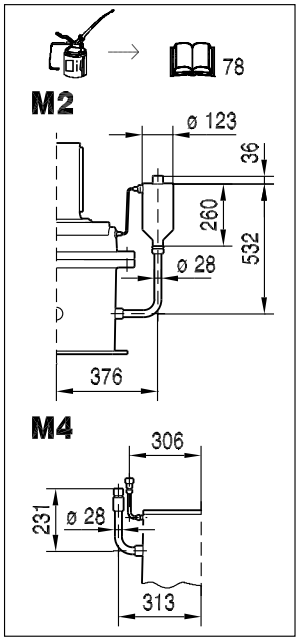
(→ 90)	DR225S	DR225M/MC	DR250	DR280				
AC	394	394	495	495				
AD	283	283	394	394				
ADS	283	283	394	394				
L	1802	1852	1913	1913				
LS	2007	2057	2153	2153				
LB	649	699	760	760				
LBS	854	904	1000	1000				

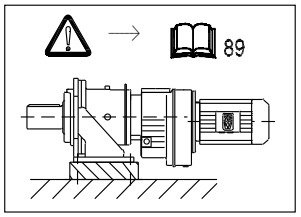
21216193/EN – 11/2014

P032RF147..

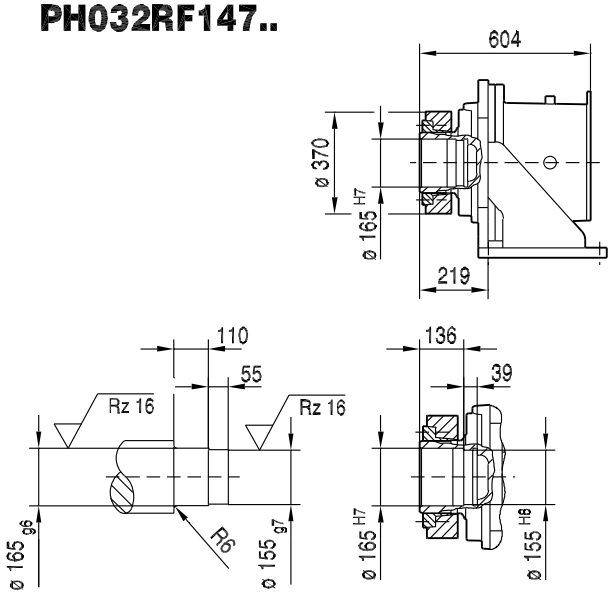
45 016 02 08







PH032RF147..

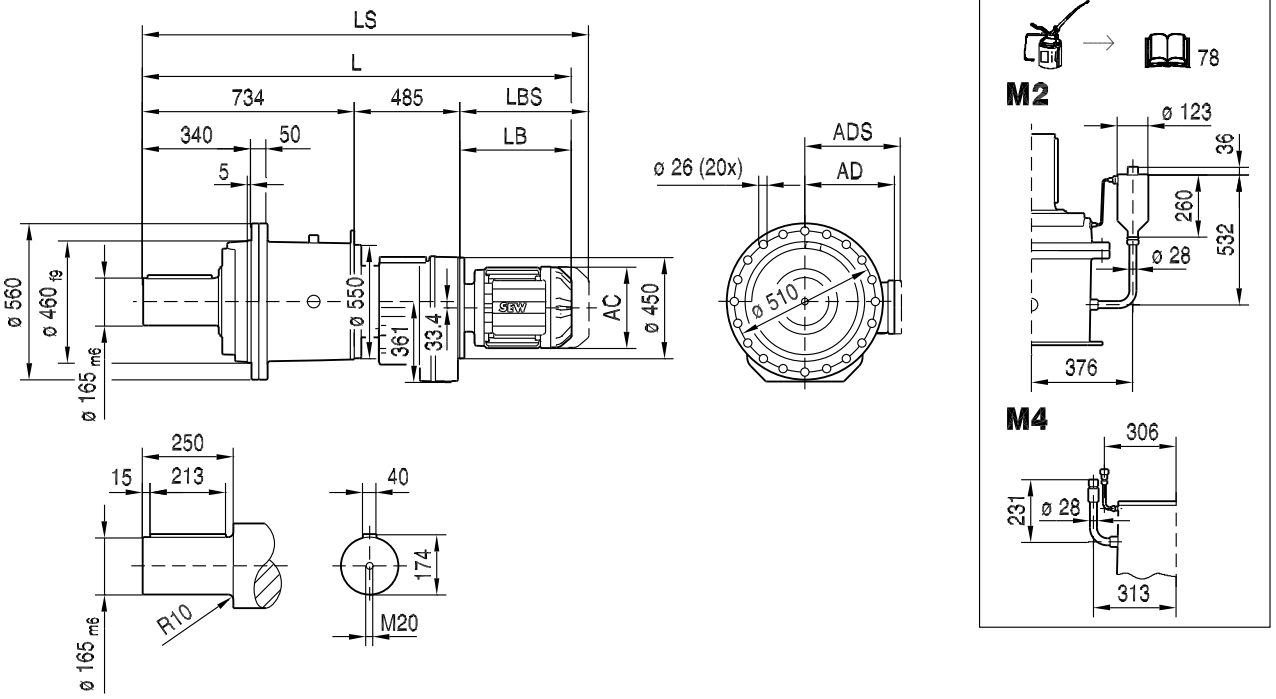


(→ 90)	DR280							
AC	495							
AD	394							
ADS	394							
L	1971							
LS	2211							
LB	752							
LBS	992							

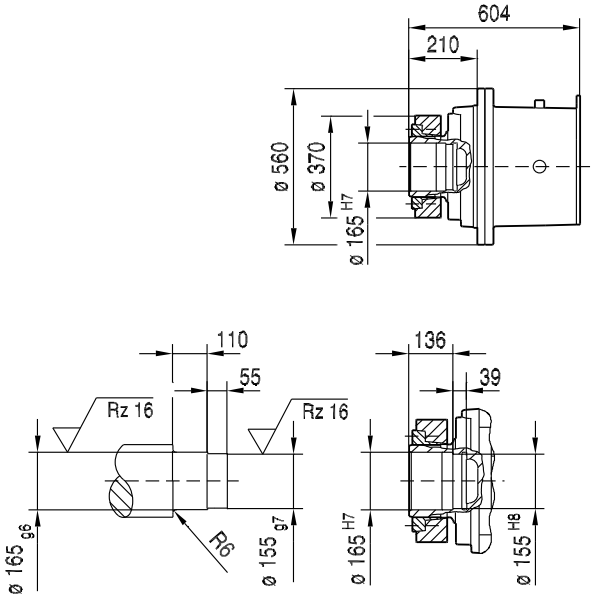
21216193/EN – 11/2014

PF032RF147..

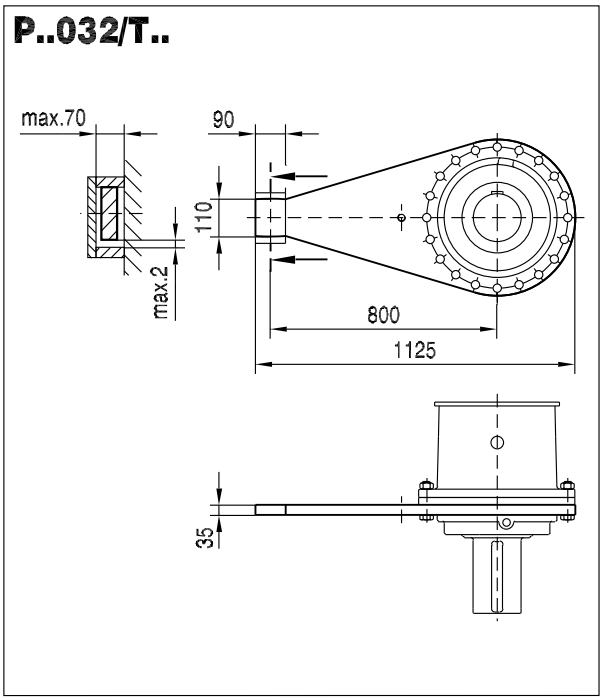
45 045 02 08



PHF032RF147..



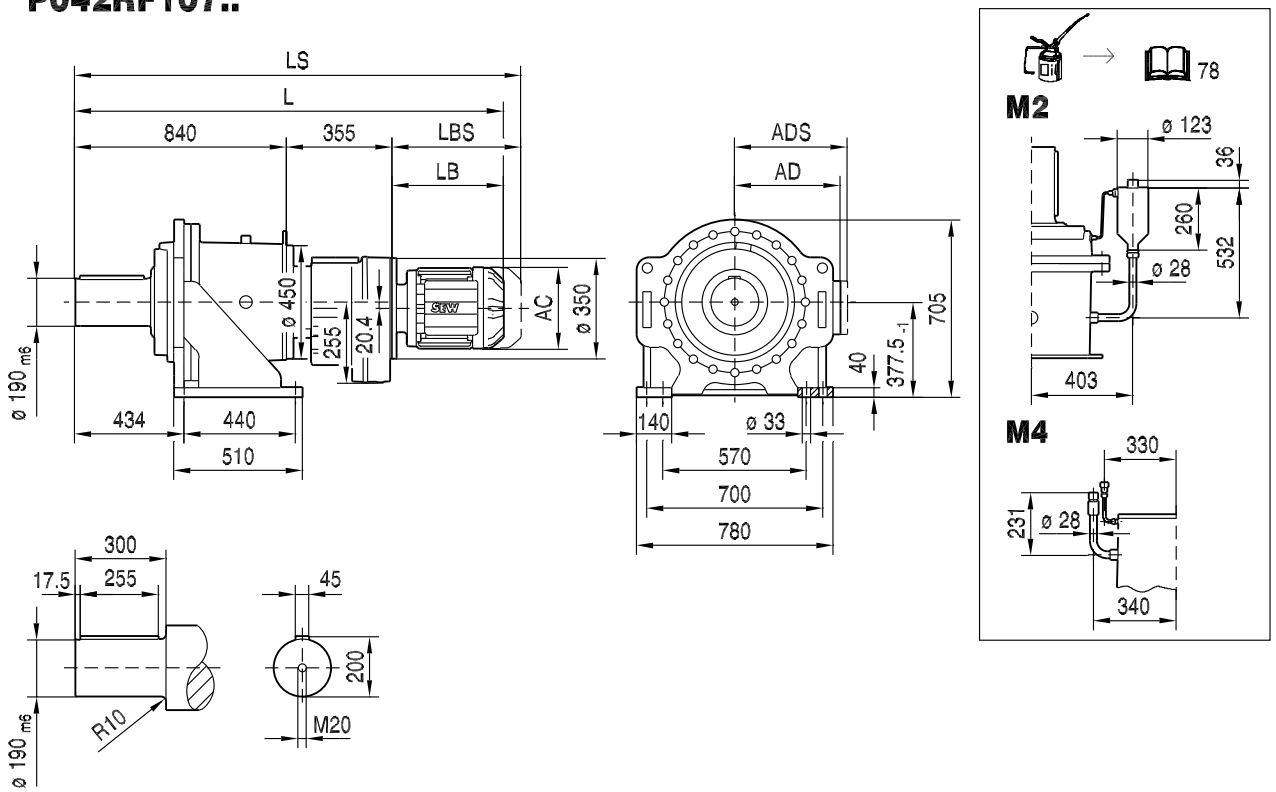
P..032/T..



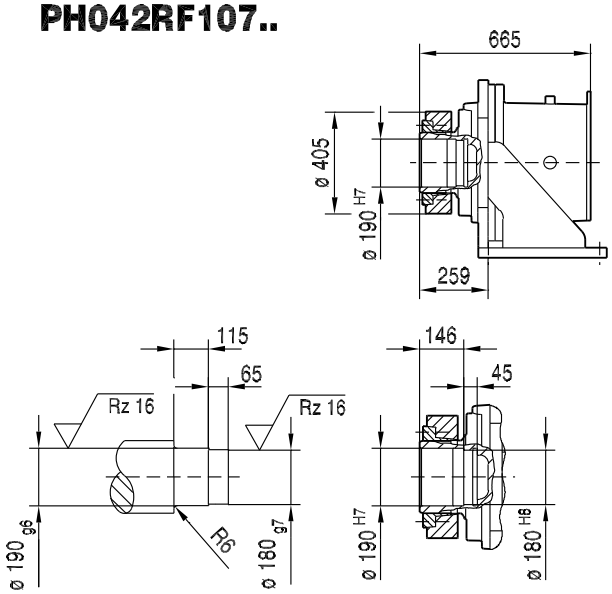
(→ 90)	DR280							
AC	495							
AD	394							
ADS	394							
L	1971							
LS	2211							
LB	752							
LBS	992							

P042RF107..

45 017 02 08



PH042RF107..

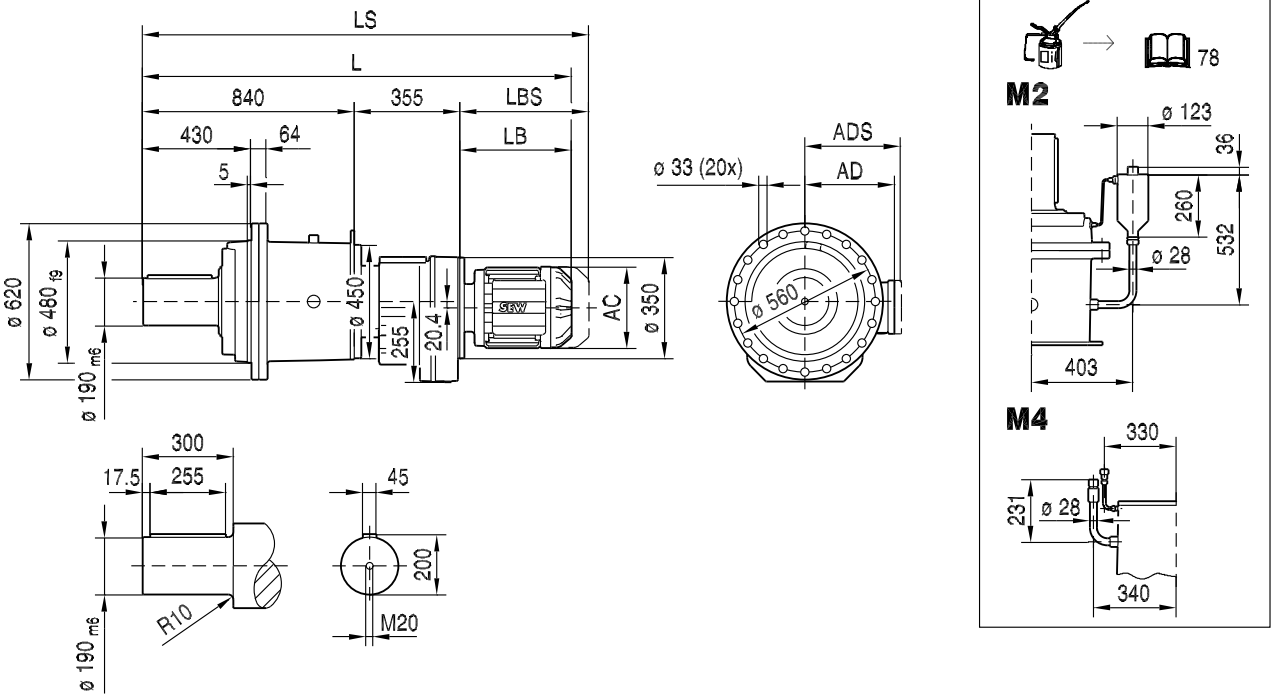


(→ 📄 90)	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	221	272	316	316	394	394	394
AD	157	170	170	170	228	253	253	283	283	283
ADS	158	172	172	172	228	253	253	283	283	283
L	1515	1523	1558	1608	1649	1718	1778	1851	1851	1901
LS	1608	1635	1670	1720	1786	1907	1967	2056	2056	2106
LB	320	328	363	413	454	523	583	656	656	706
LBS	413	440	475	525	591	712	772	861	861	911

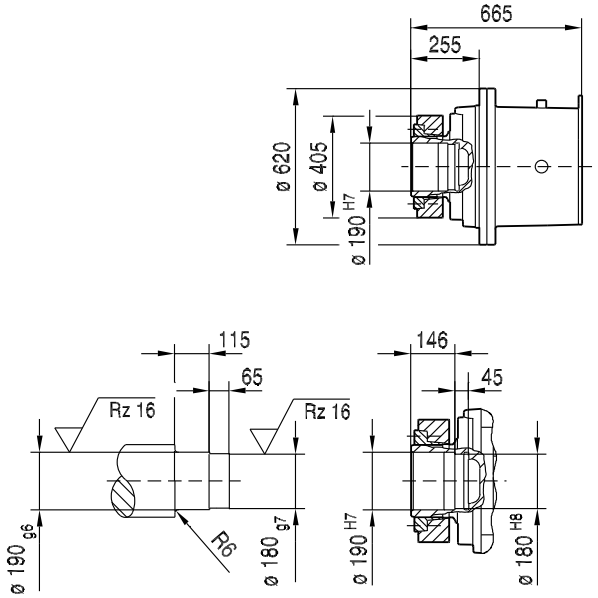
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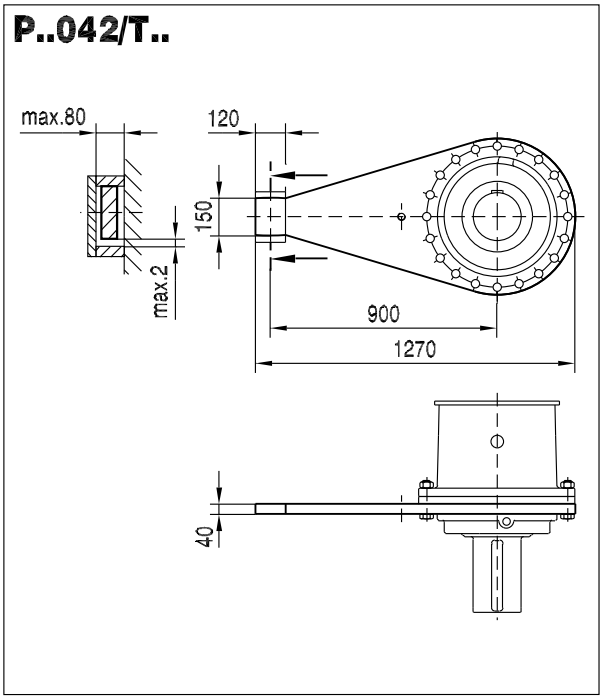
45 046 02 08



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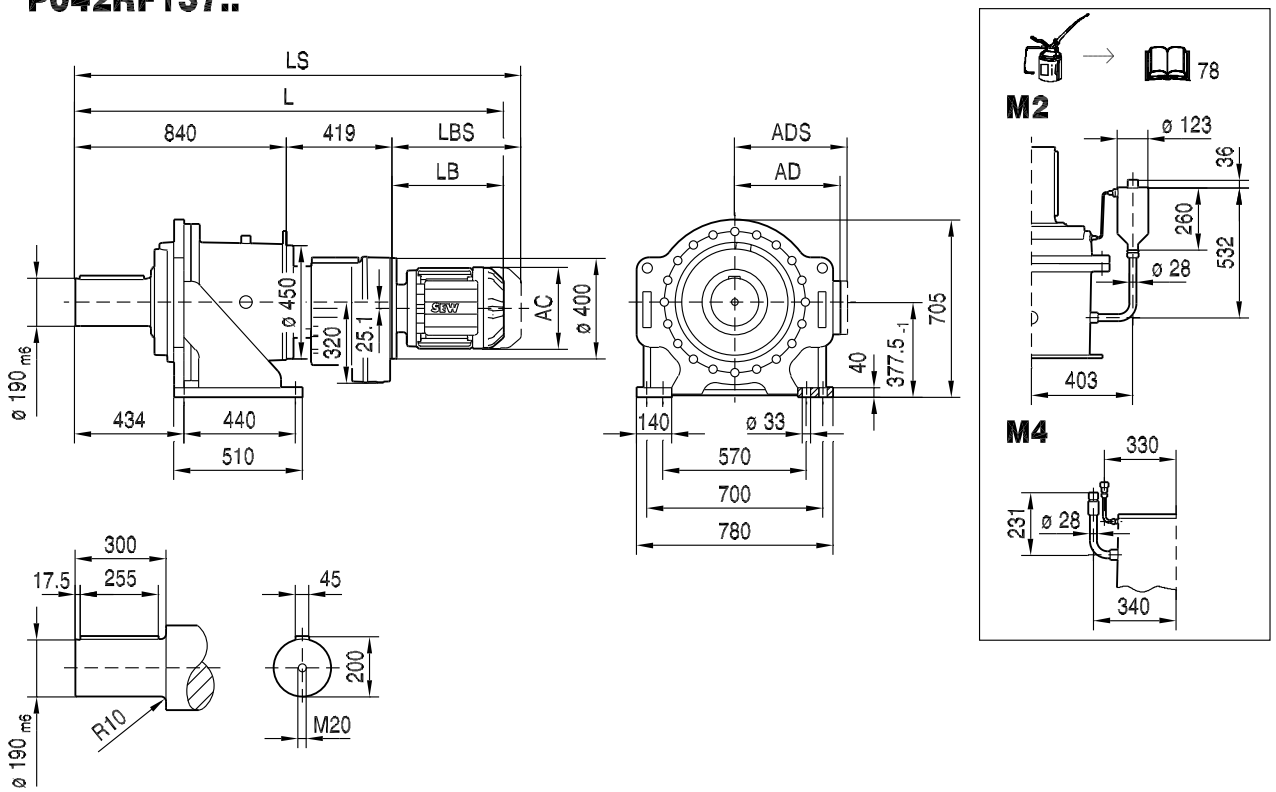
P..042/T..



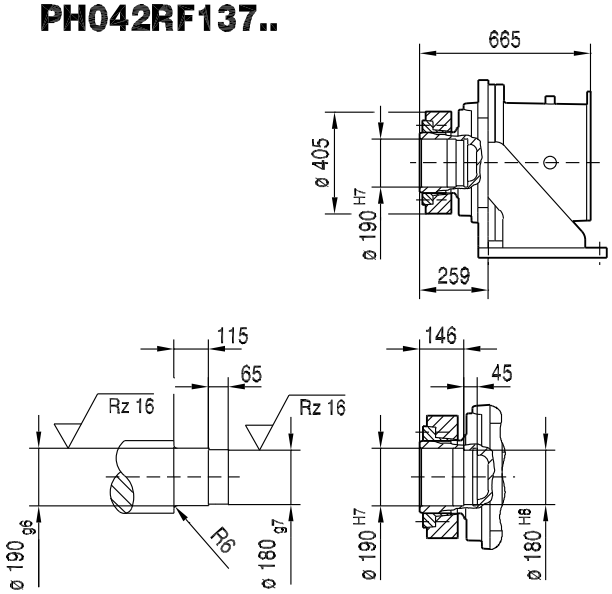
(→ 📄 90)	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	221	272	316	316	394	394	394
AD	157	170	170	170	228	253	253	283	283	283
ADS	158	172	172	172	228	253	253	283	283	283
L	1515	1523	1558	1608	1649	1718	1778	1851	1851	1901
LS	1608	1635	1670	1720	1786	1907	1967	2056	2056	2106
LB	320	328	363	413	454	523	583	656	656	706
LBS	413	440	475	525	591	712	772	861	861	911

P042RF137..

45 018 02 08



PH042RF137..

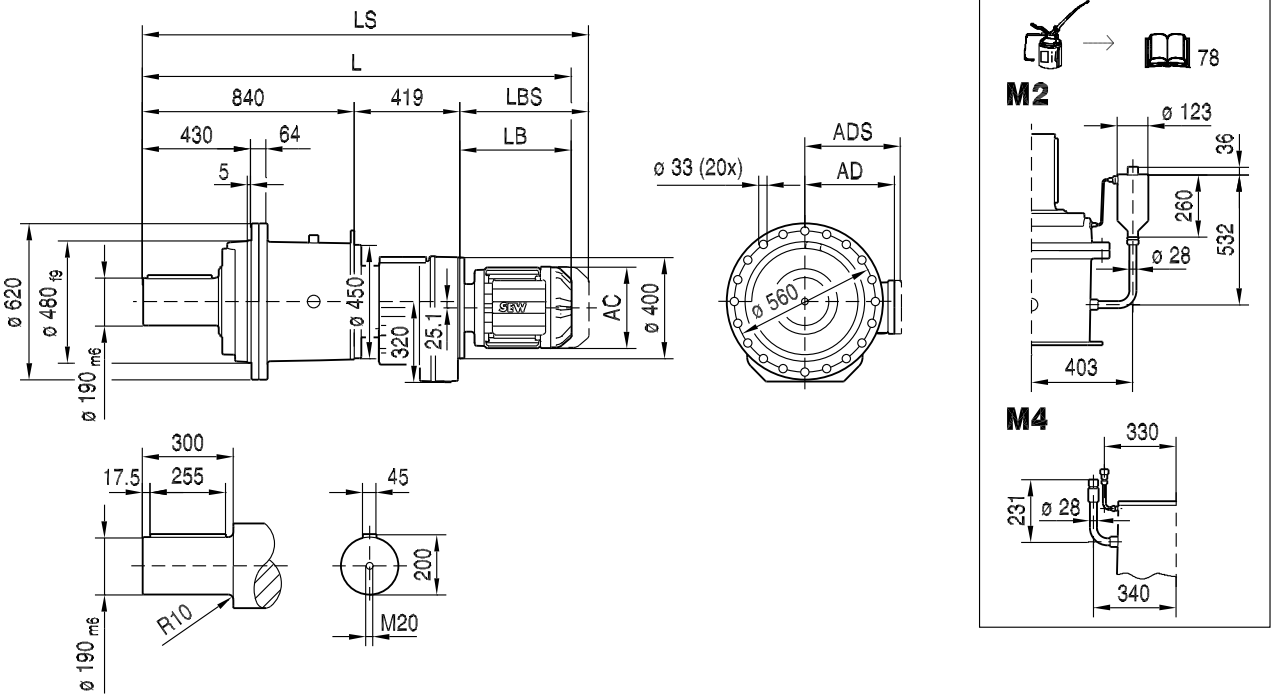


(→ 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	221	272	316	316	394	394	394	495	495
AD	170	170	228	253	253	283	283	283	394	394
ADS	172	172	228	253	253	283	283	283	394	394
L	1615	1665	1706	1775	1835	1908	1908	1958	2019	2019
LS	1727	1777	1843	1964	2024	2113	2113	2163	2259	2259
LB	356	406	447	516	576	649	649	699	760	760
LBS	468	518	584	705	765	854	854	904	1000	1000

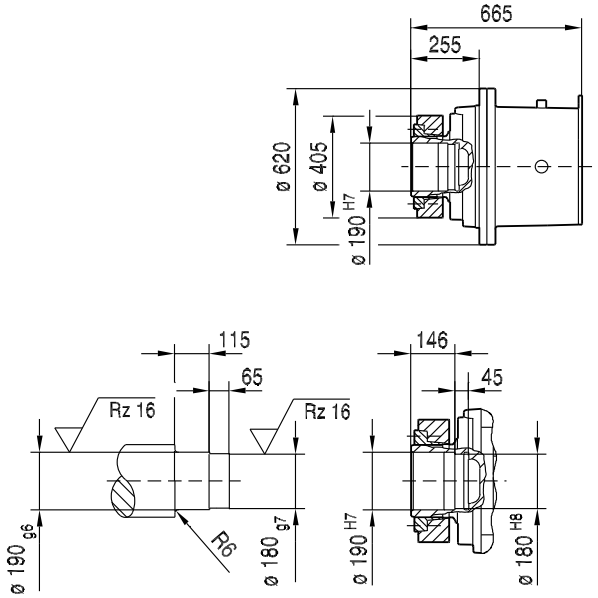
21216193/EN – 11/2014

PF042RF137..

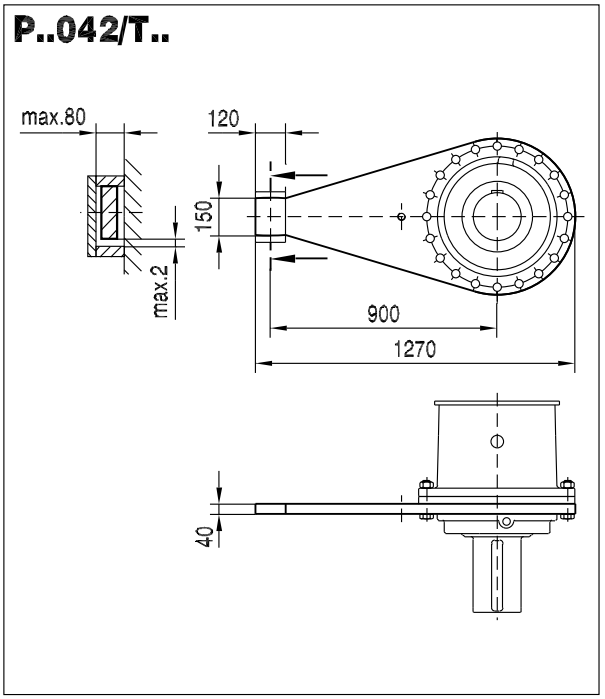
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P..042/T..

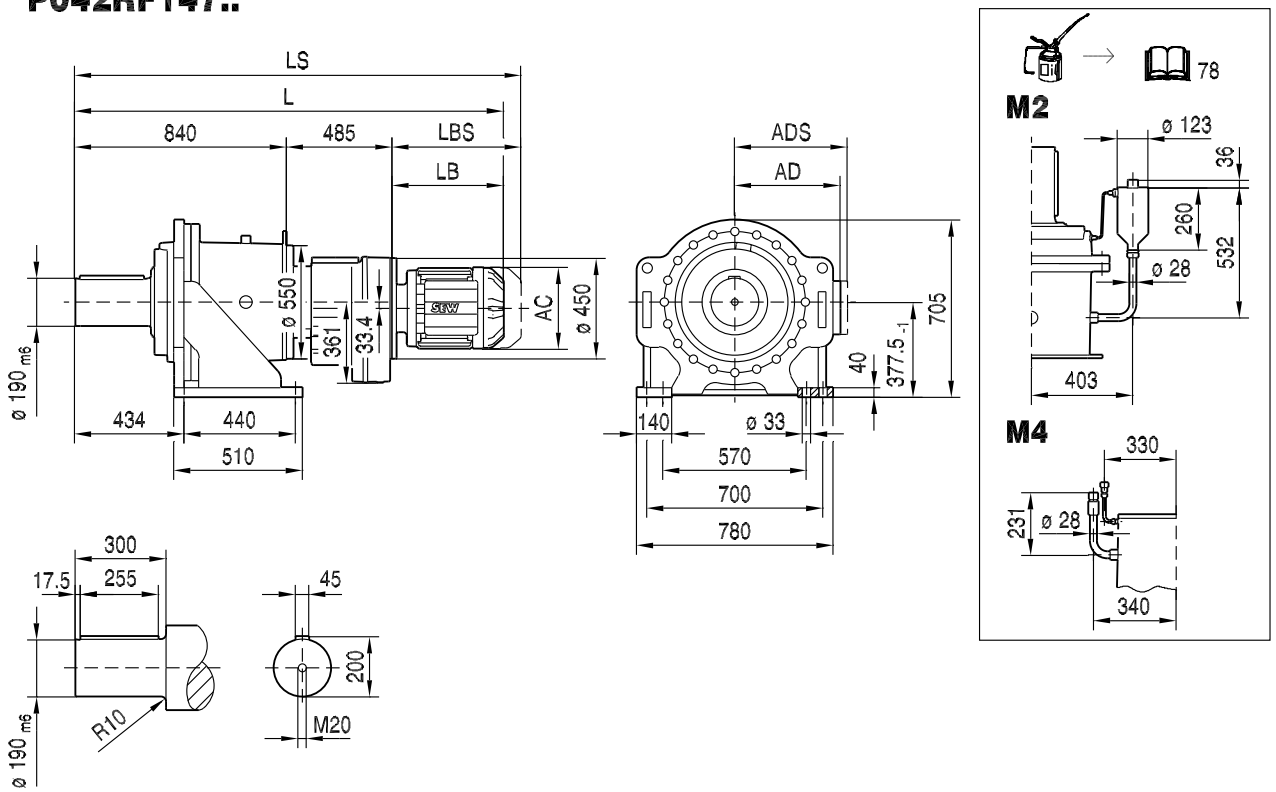


(→ 📄 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	221	272	316	316	394	394	394	495	495
AD	170	170	228	253	253	283	283	283	394	394
ADS	172	172	228	253	253	283	283	283	394	394
L	1615	1665	1706	1775	1835	1908	1908	1958	2019	2019
LS	1727	1777	1843	1964	2024	2113	2113	2163	2259	2259
LB	356	406	447	516	576	649	649	699	760	760
LBS	468	518	584	705	765	854	854	904	1000	1000

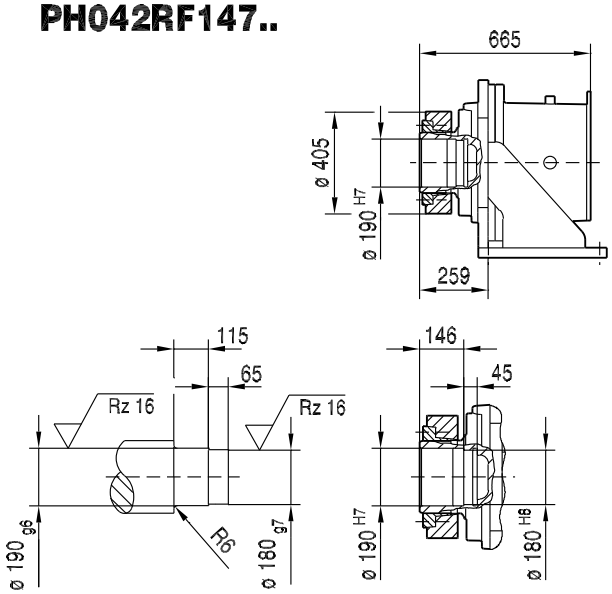
21216193/EN – 11/2014

P042RF147..

45 019 02 08



PH042RF147..

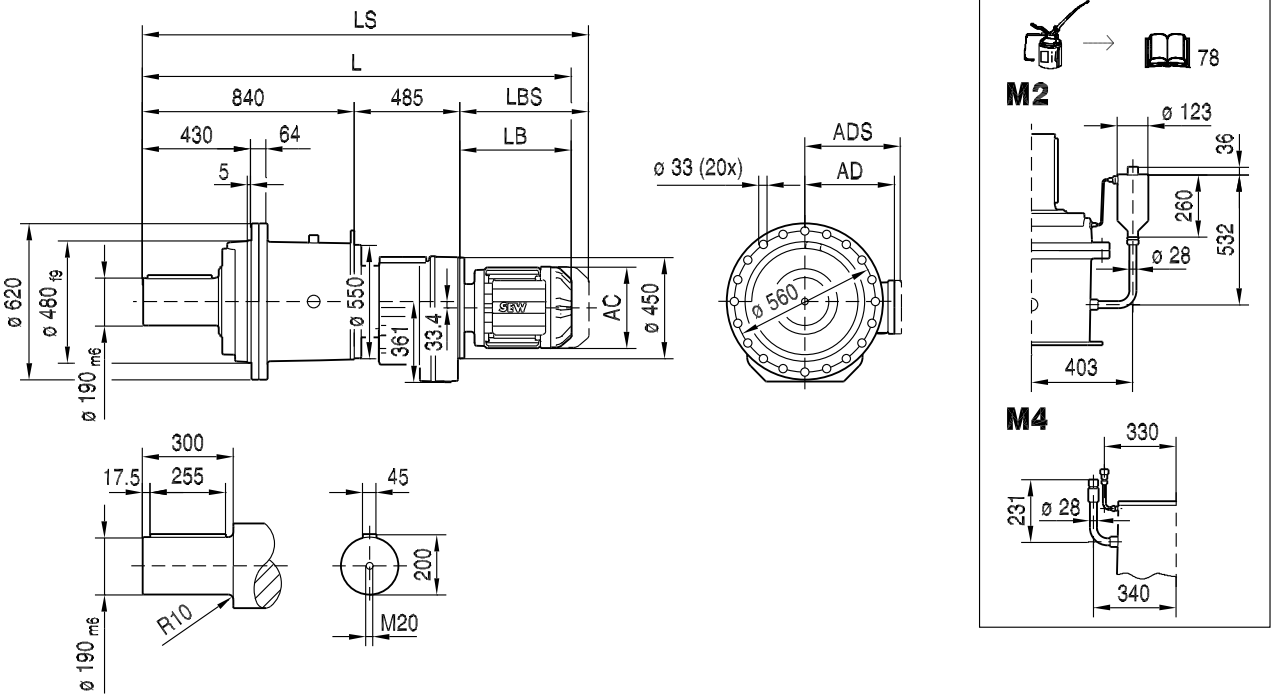


(→ 90)	DR225M/MC	DR250	DR280					
AC	394	495	495					
AD	283	394	394					
ADS	283	394	394					
L	2016	2077	2077					
LS	2221	2317	2317					
LB	691	752	752					
LBS	896	992	992					

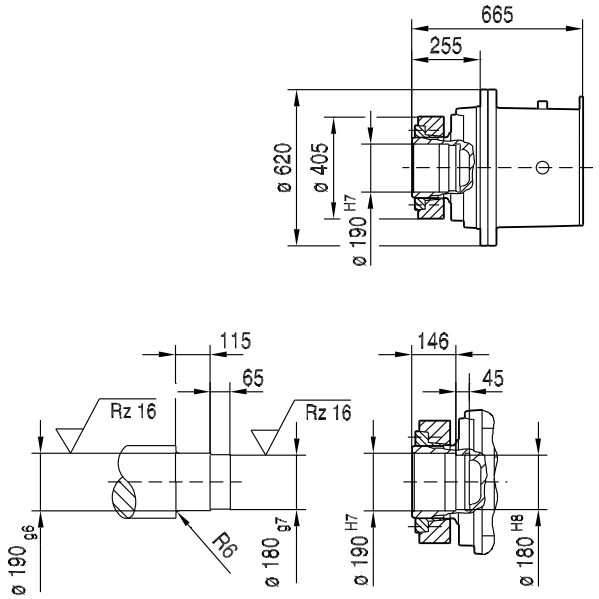
21216193/EN – 11/2014

PF042RF147..

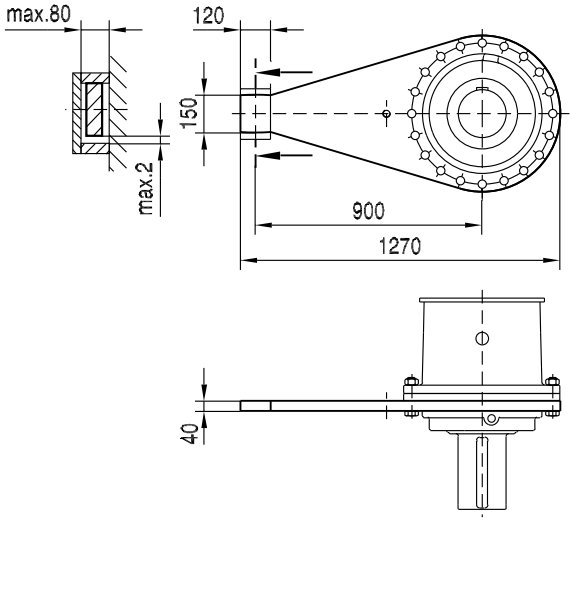
45 048 02 08



PHF042RF147..



P..042/T..

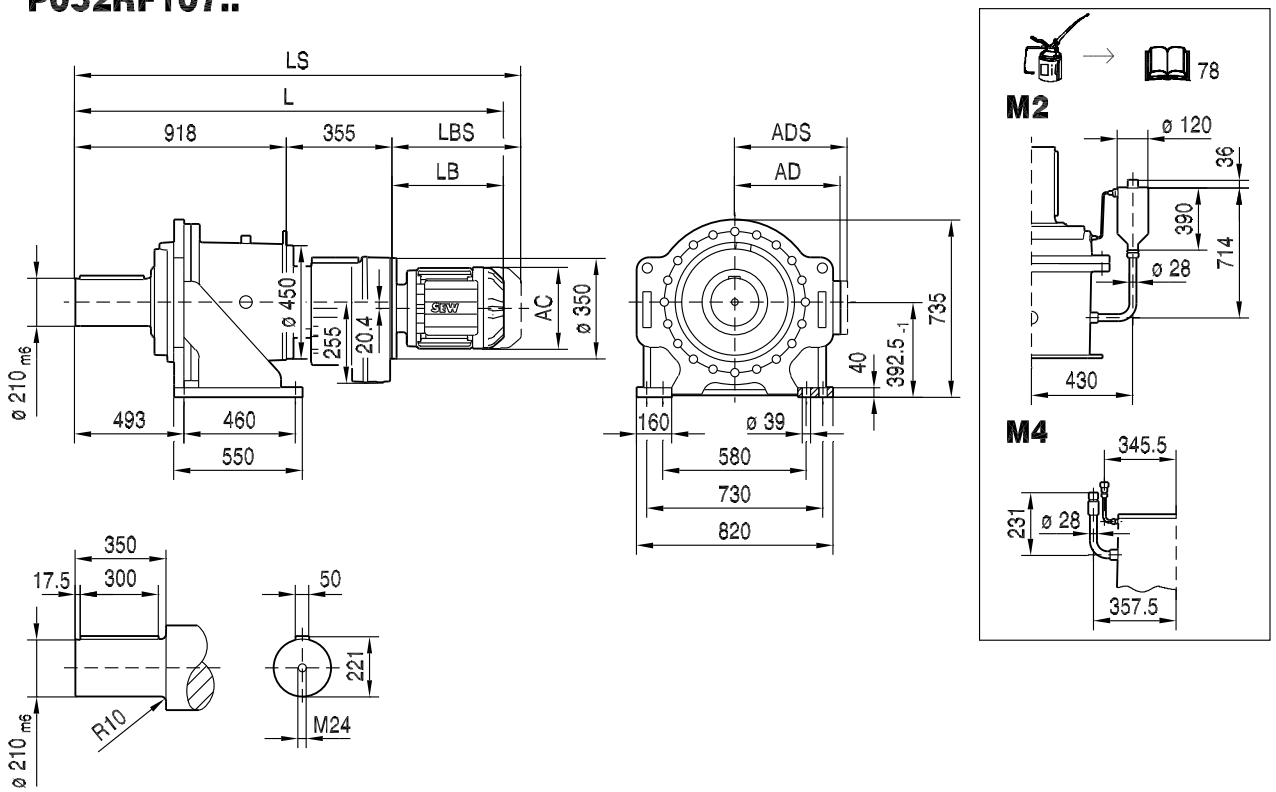


(→ 90)	DR225M/MC	DR250	DR280					
AC	394	495	495					
AD	283	394	394					
ADS	283	394	394					
L	2016	2077	2077					
LS	2221	2317	2317					
LB	691	752	752					
LBS	896	992	992					

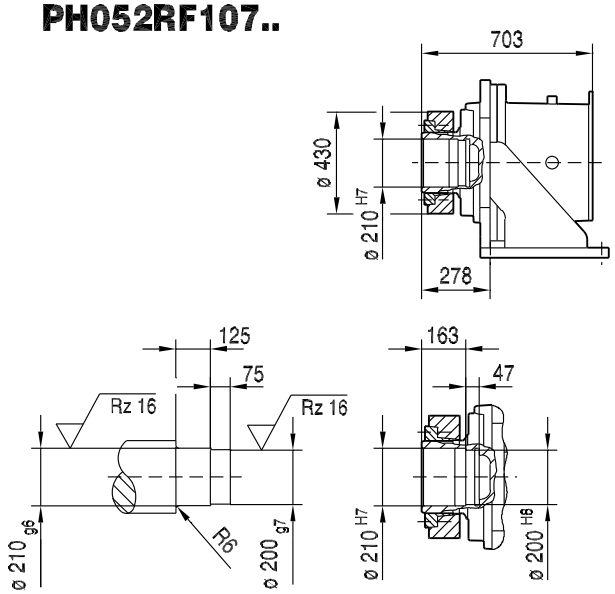
21216193/EN – 11/2014

P052RF107..

45 020 02 08



PH052RF107..

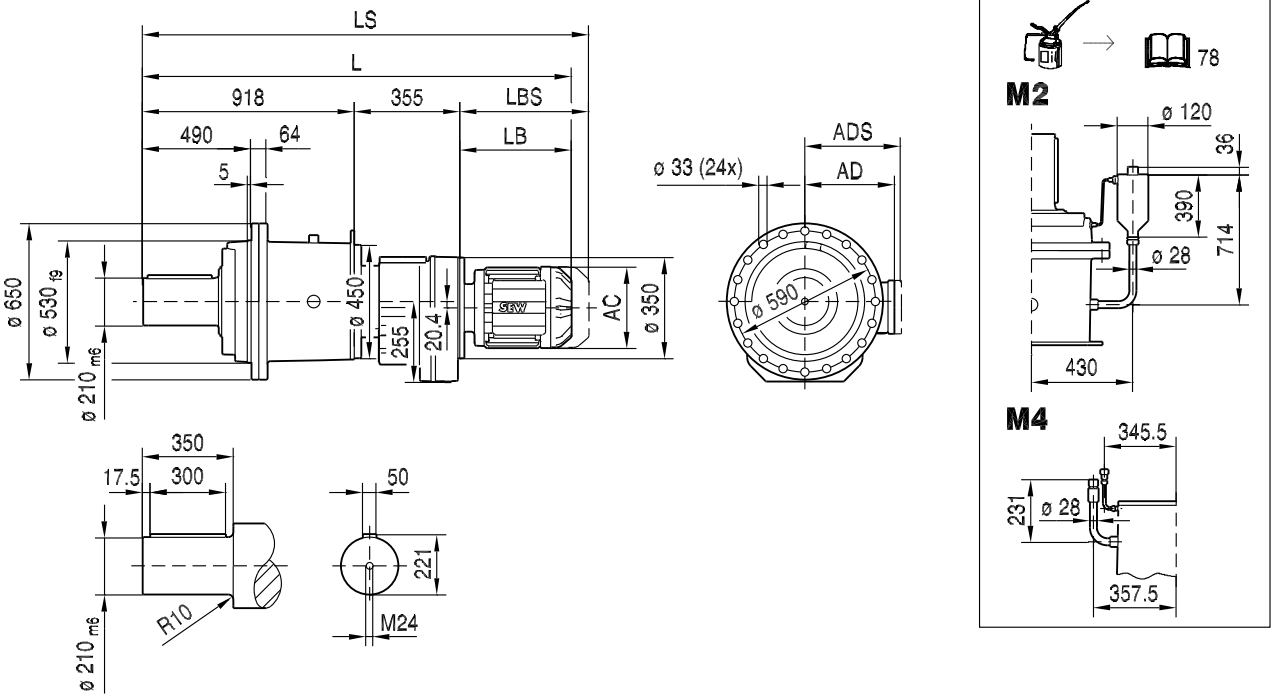


(→ 📄 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200
AC	197	197	221	221	221	272	316	316	394
AD	157	157	170	170	170	228	253	253	283
ADS	158	158	172	172	172	228	253	253	283
L	1563	1593	1601	1636	1686	1727	1796	1856	1929
LS	1656	1686	1713	1748	1798	1864	1985	2045	2134
LB	290	320	328	363	413	454	523	583	656
LBS	383	413	440	475	525	591	712	772	861

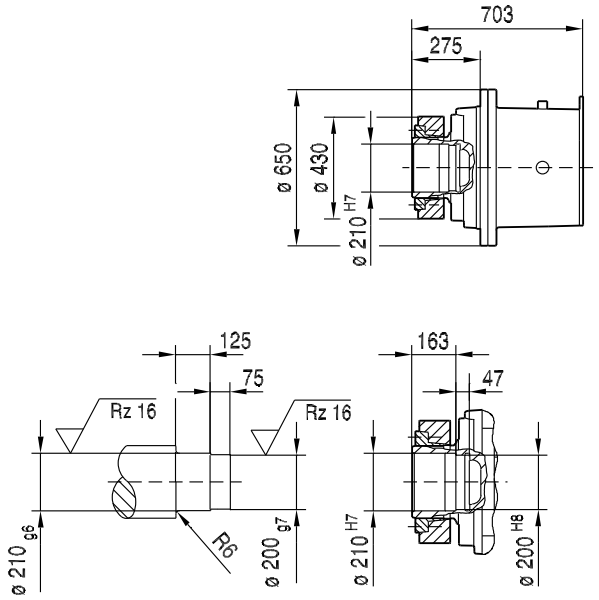
21216193/EN – 11/2014

PF052RF107..

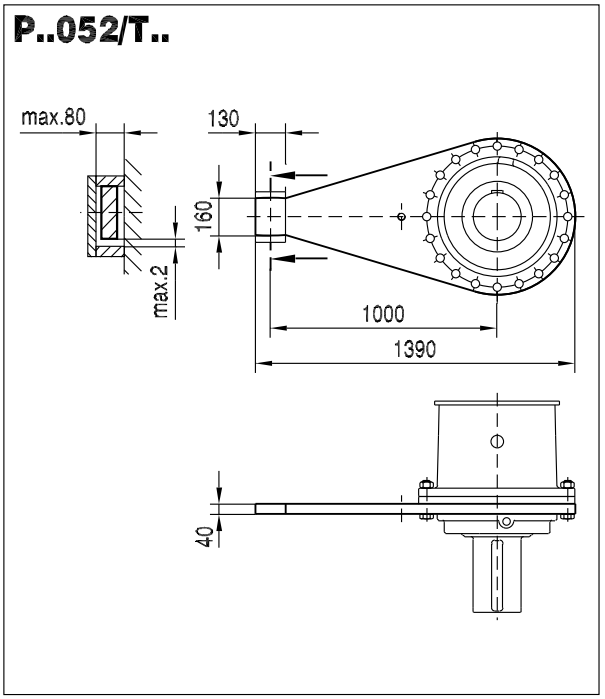
45 049 02 08



PHF052RF107..



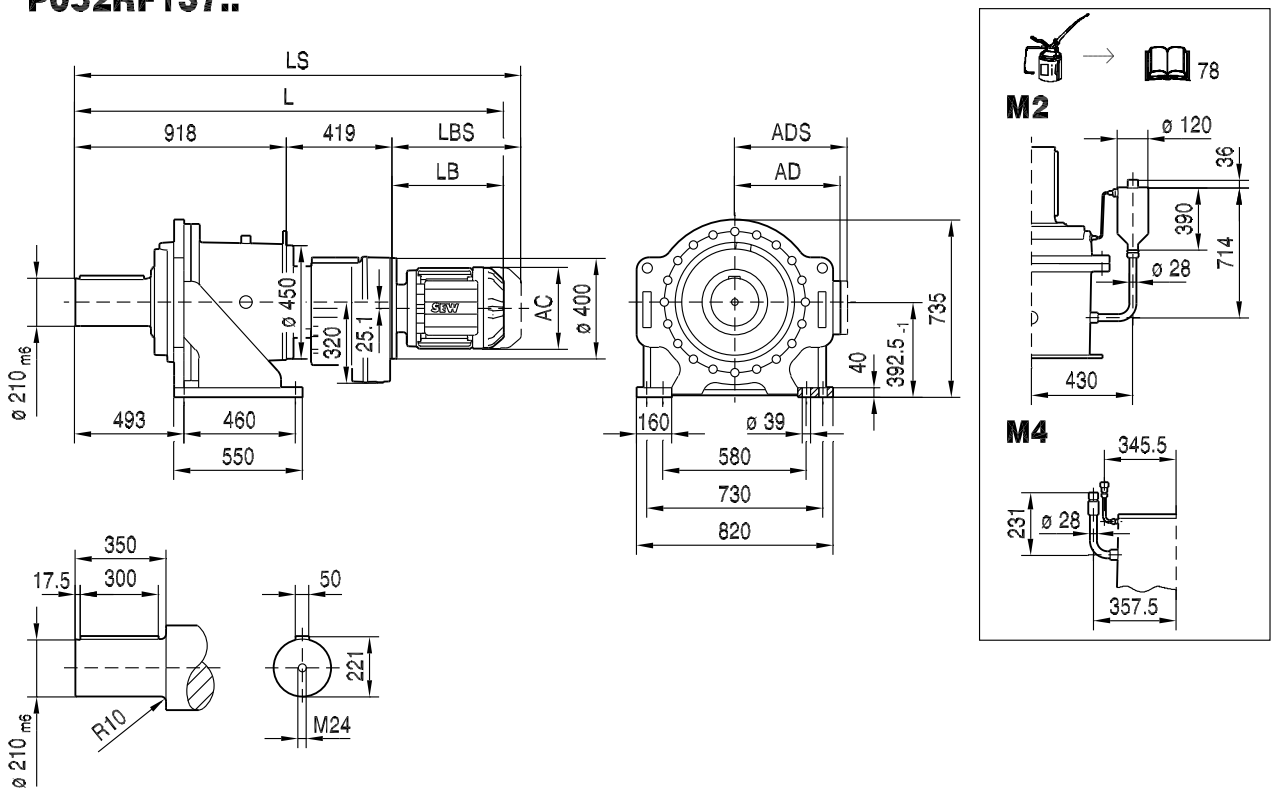
P..052/T..



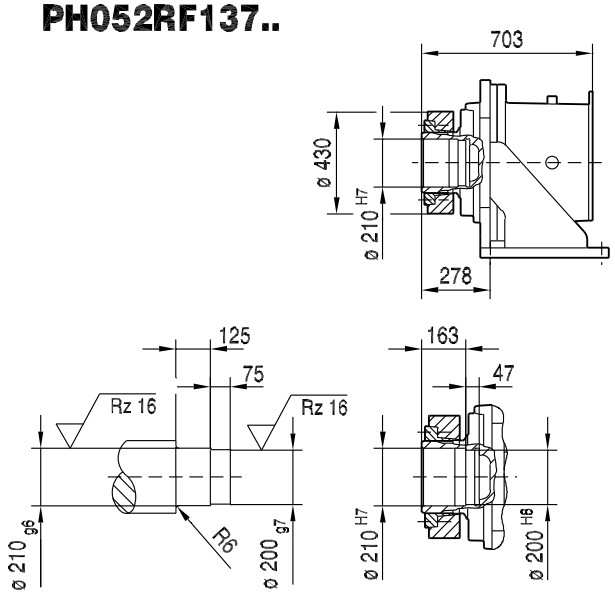
(→ 📄 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200
AC	197	197	221	221	221	272	316	316	394
AD	157	157	170	170	170	228	253	253	283
ADS	158	158	172	172	172	228	253	253	283
L	1563	1593	1601	1636	1686	1727	1796	1856	1929
LS	1656	1686	1713	1748	1798	1864	1985	2045	2134
LB	290	320	328	363	413	454	523	583	656
LBS	383	413	440	475	525	591	712	772	861

P052RF137..

45 021 02 08



PH052RF137..

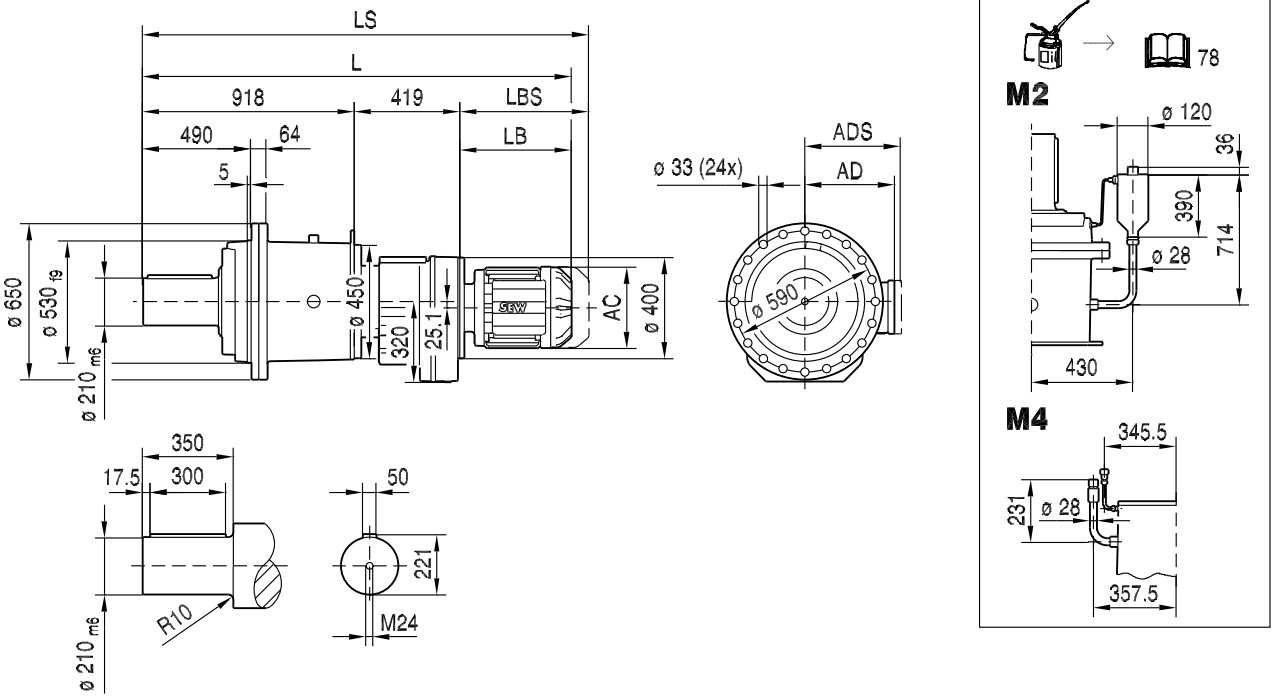


(→ 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	221	272	316	316	394	394	394	495	495
AD	170	170	228	253	253	283	283	283	394	394
ADS	172	172	228	253	253	283	283	283	394	394
L	1693	1743	1784	1853	1913	1986	1986	2036	2097	2097
LS	1805	1855	1921	2042	2102	2191	2191	2241	2337	2337
LB	356	406	447	516	576	649	649	699	760	760
LBS	468	518	584	705	765	854	854	904	1000	1000

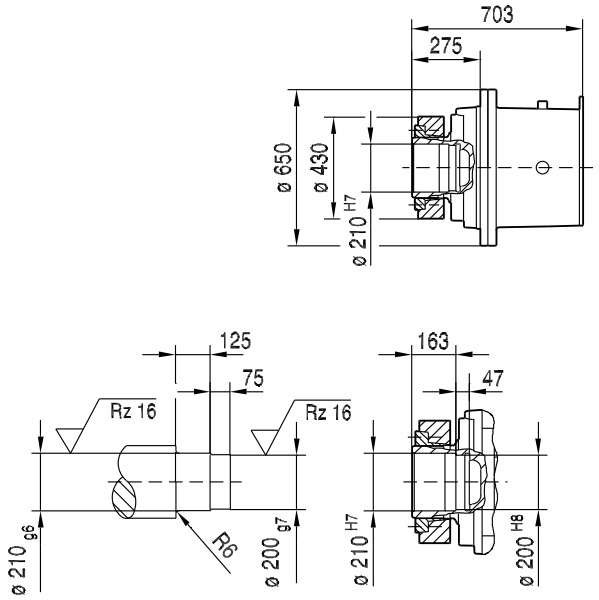
21216193/EN – 11/2014

PF052RF137..

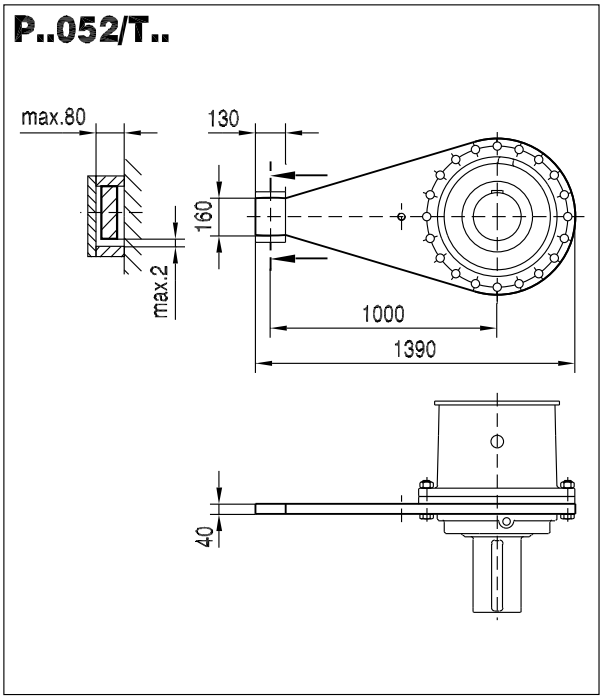
45 050 02 08



PHF052RF137..



P..052/T..

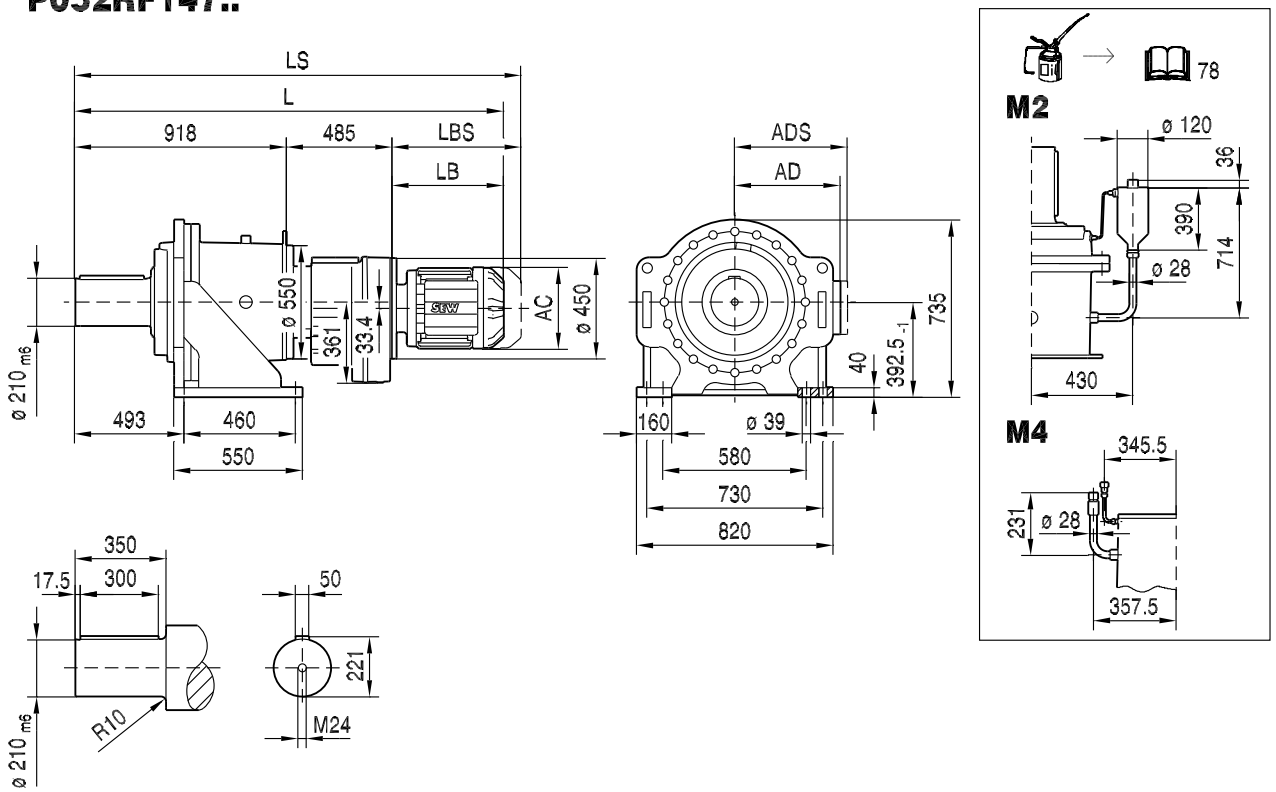


(→ 📄 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	221	272	316	316	394	394	394	495	495
AD	170	170	228	253	253	283	283	283	394	394
ADS	172	172	228	253	253	283	283	283	394	394
L	1693	1743	1784	1853	1913	1986	1986	2036	2097	2097
LS	1805	1855	1921	2042	2102	2191	2191	2241	2337	2337
LB	356	406	447	516	576	649	649	699	760	760
LBS	468	518	584	705	765	854	854	904	1000	1000

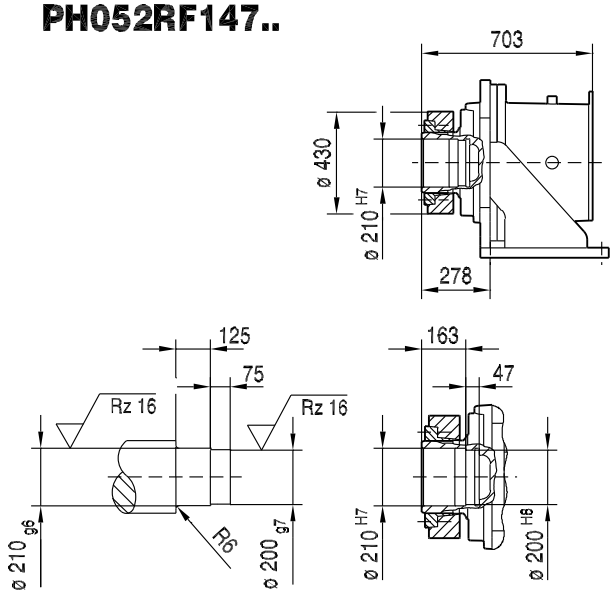
21216193/EN – 11/2014

P052RF147..

45 022 02 08



PH052RF147..

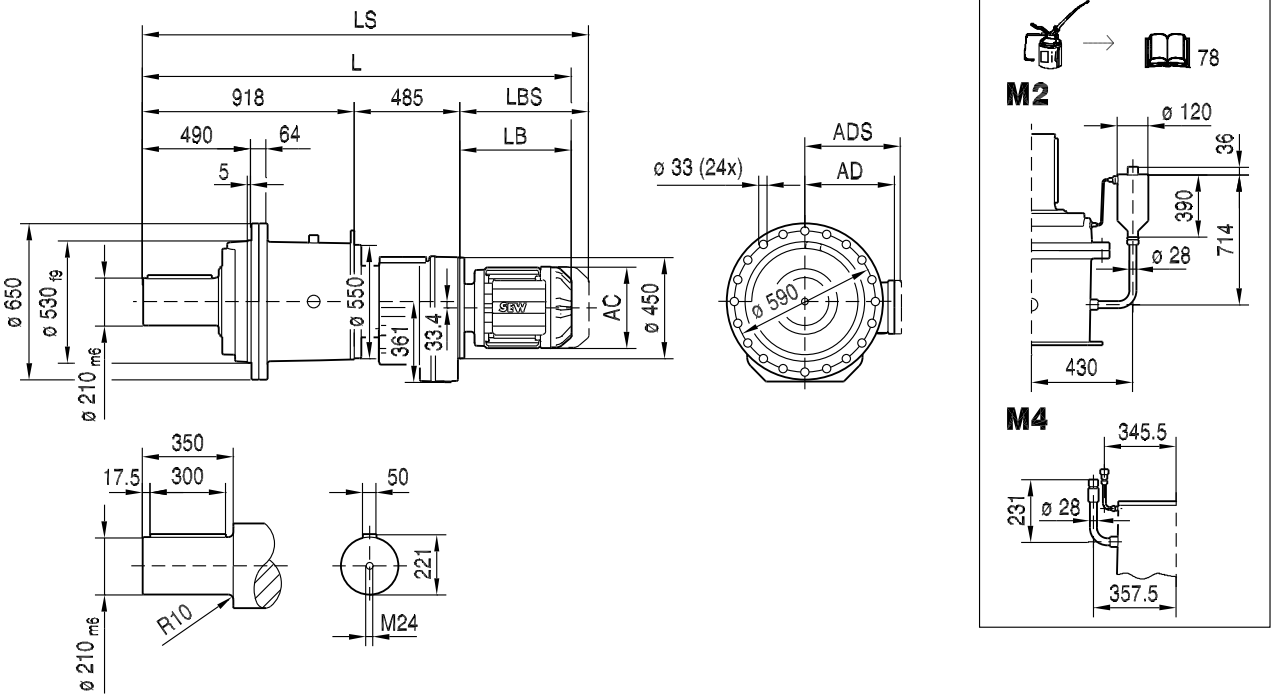


(→ 90)	DR225M/MC	DR250	DR280					
AC	394	495	495					
AD	283	394	394					
ADS	283	394	394					
L	2094	2155	2155					
LS	2299	2395	2395					
LB	691	752	752					
LBS	896	992	992					

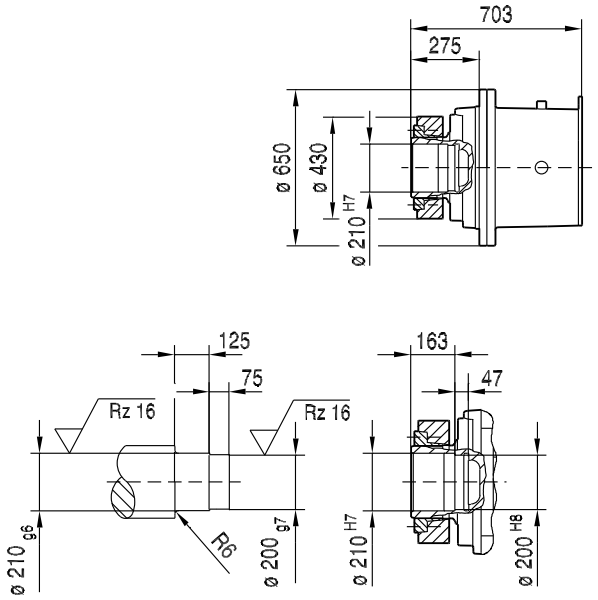
21216193/EN – 11/2014

PF052RF147..

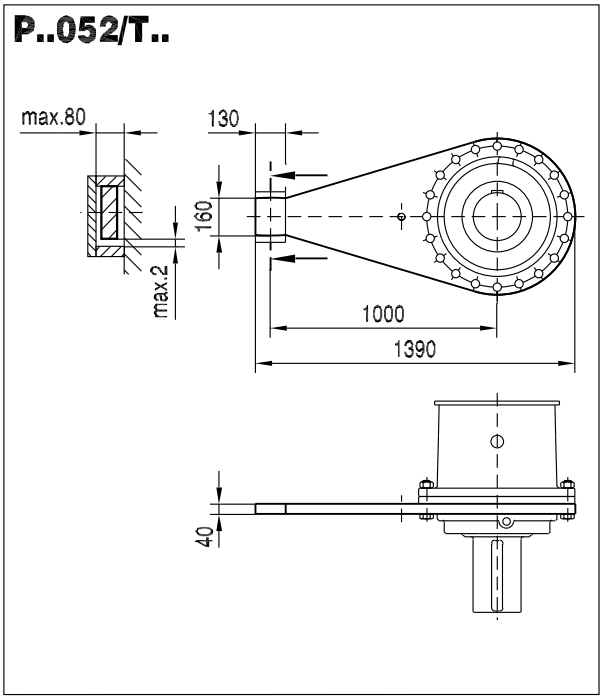
45 051 02 08



PHF052RF147..



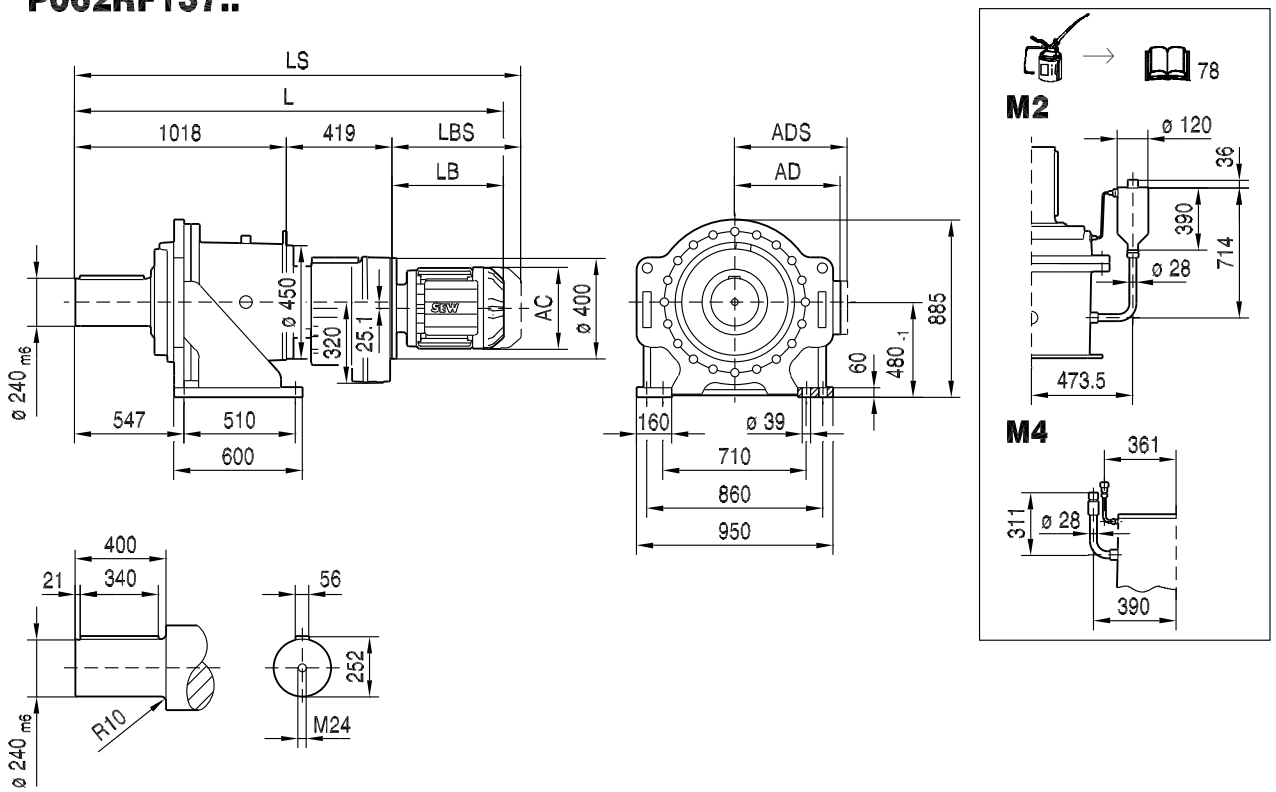
P..052/T..



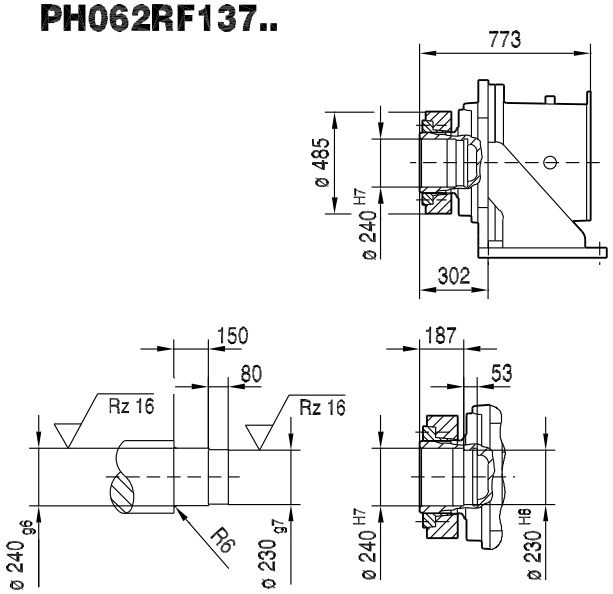
(→ 90)	DR225M/MC	DR250	DR280					
AC	394	495	495					
AD	283	394	394					
ADS	283	394	394					
L	2094	2155	2155					
LS	2299	2395	2395					
LB	691	752	752					
LBS	896	992	992					

P062RF137..

45 024 02 08



PH062RF137..

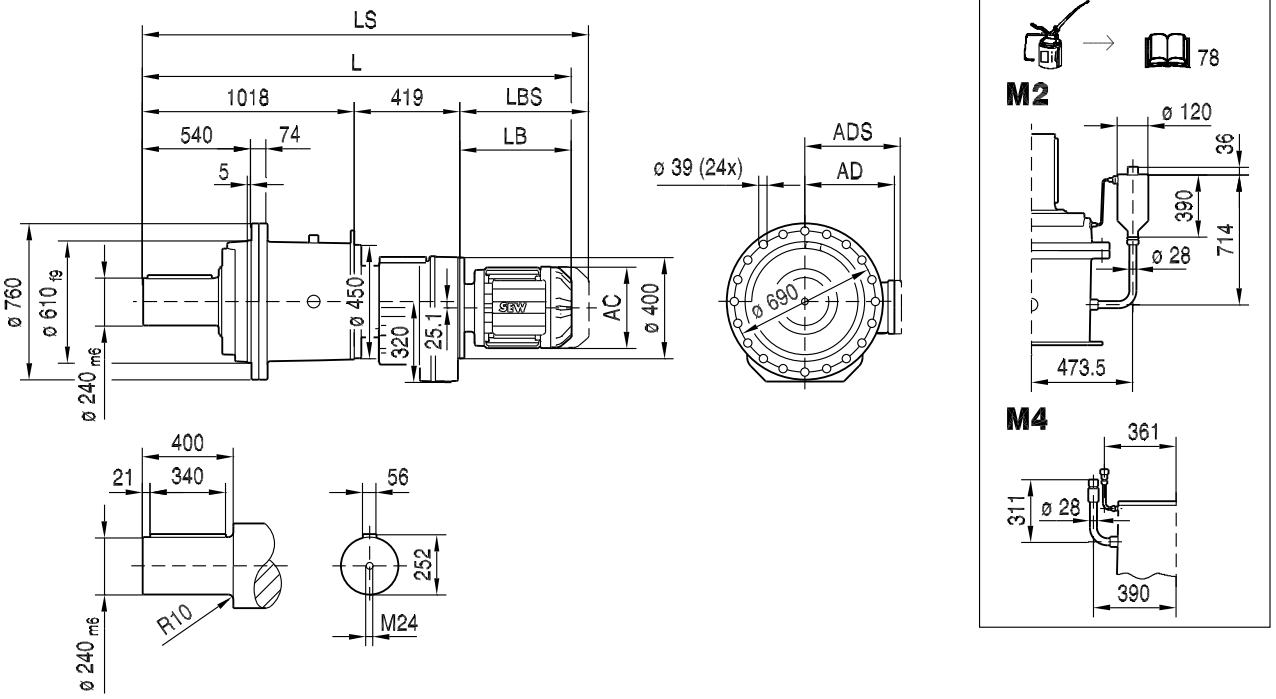


(→ 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	221	272	316	316	394	394	394	495	495
AD	170	170	228	253	253	283	283	283	394	394
ADS	172	172	228	253	253	283	283	283	394	394
L	1793	1843	1884	1953	2013	2086	2086	2136	2197	2197
LS	1905	1955	2021	2142	2202	2291	2291	2341	2437	2437
LB	356	406	447	516	576	649	649	699	760	760
LBS	468	518	584	705	765	854	854	904	1000	1000

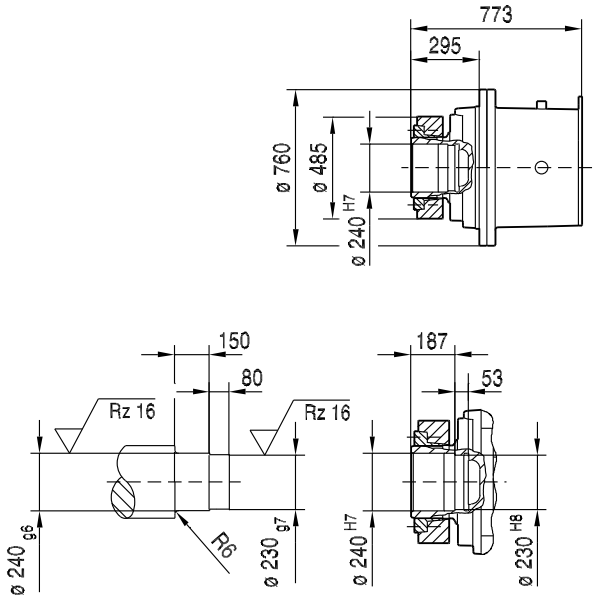
21216193/EN – 11/2014

PF062RF137..

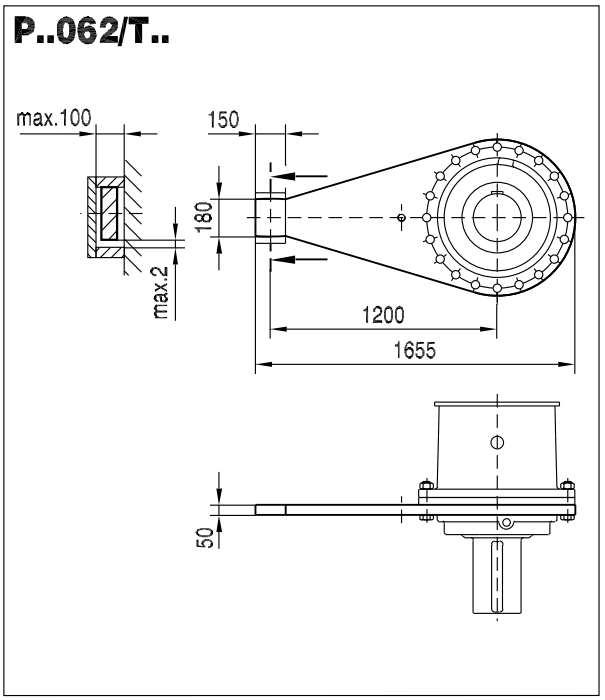
45 053 02 08



PHF062RF137..



P..062/T..

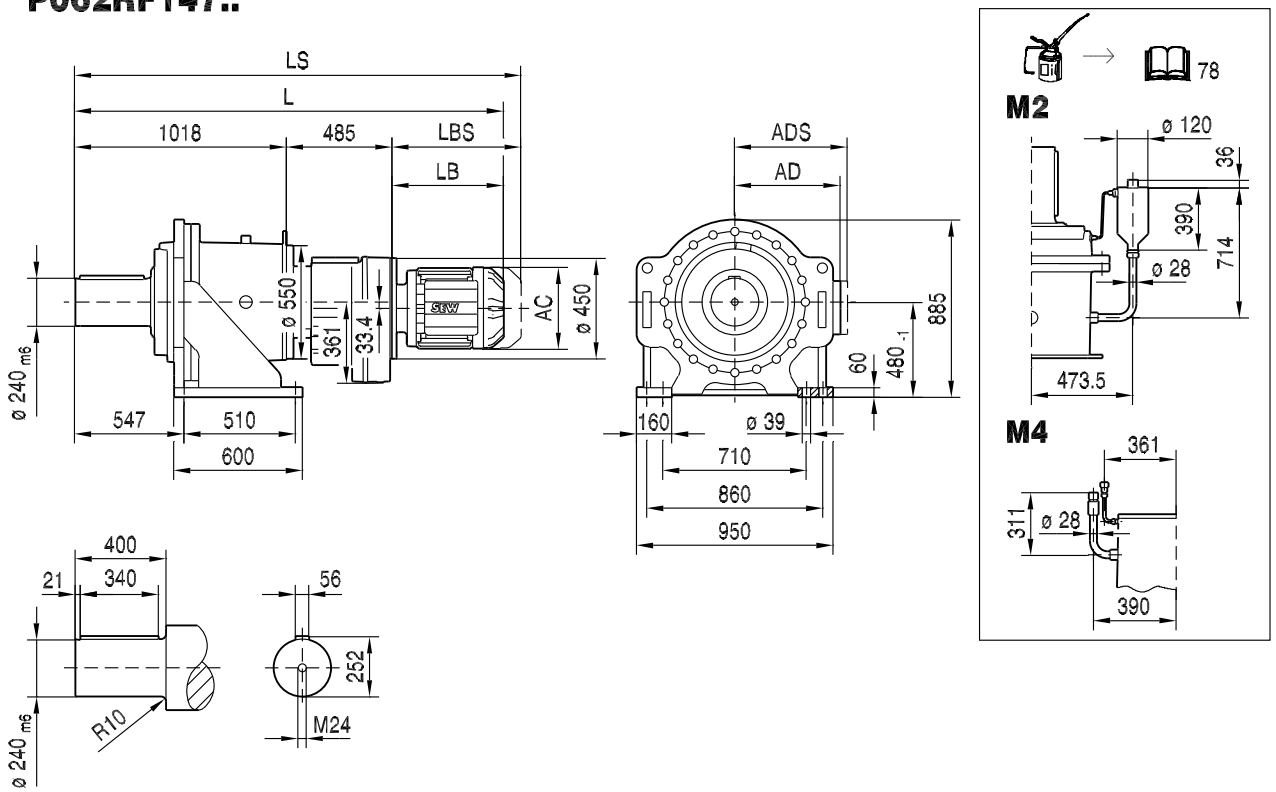


(→ 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	221	272	316	316	394	394	394	495	495
AD	170	170	228	253	253	283	283	283	394	394
ADS	172	172	228	253	253	283	283	283	394	394
L	1793	1843	1884	1953	2013	2086	2086	2136	2197	2197
LS	1905	1955	2021	2142	2202	2291	2291	2341	2437	2437
LB	356	406	447	516	576	649	649	699	760	760
LBS	468	518	584	705	765	854	854	904	1000	1000

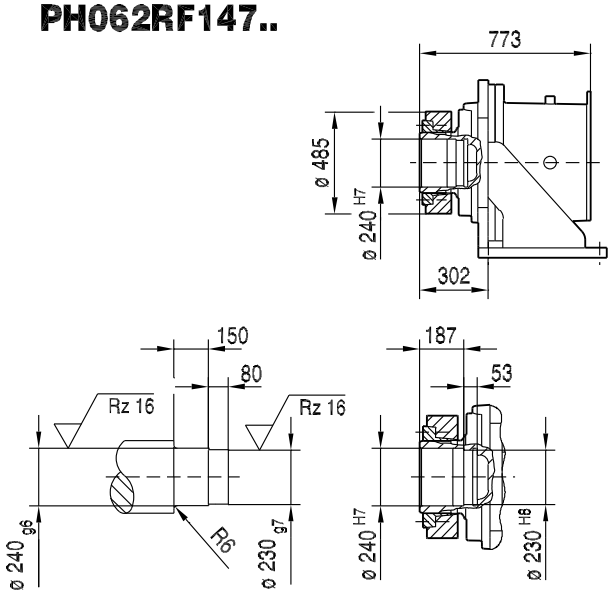
21216193/EN – 11/2014

P062RF147..

45 025 02 08



PH062RF147..

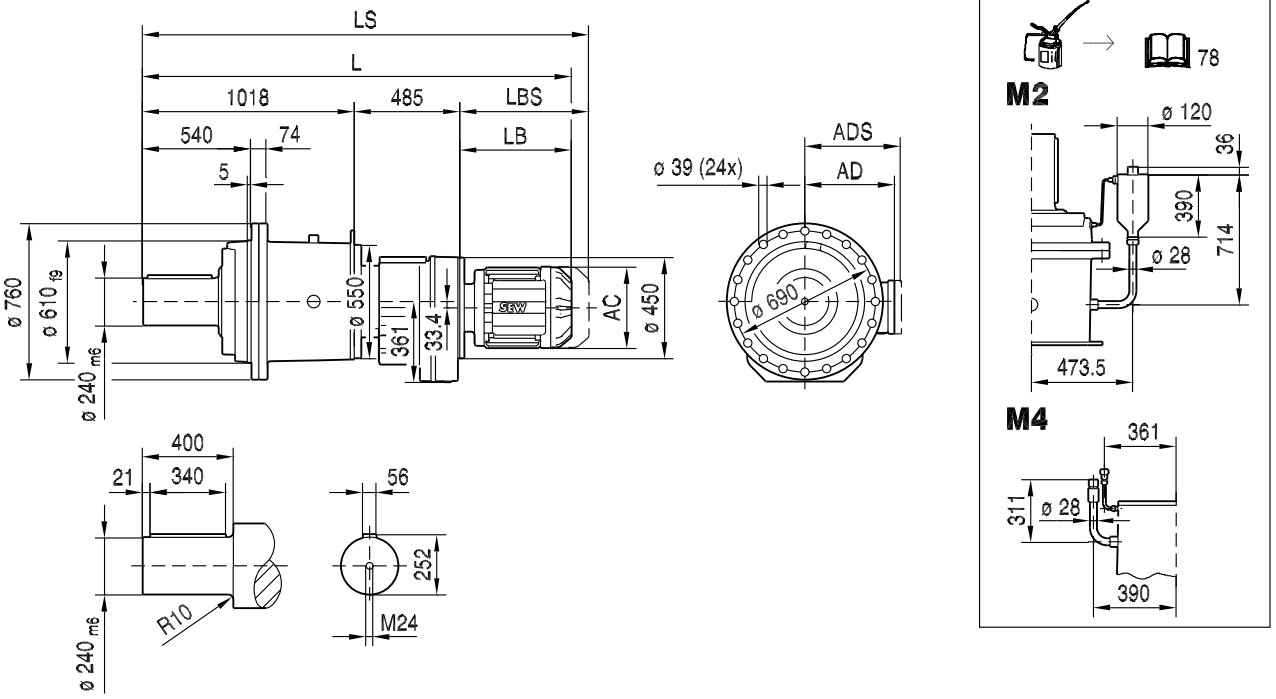


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1901	1942	2011	2071	2144	2144	2194	2255	2255
LS	2013	2079	2200	2260	2349	2349	2399	2495	2495
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

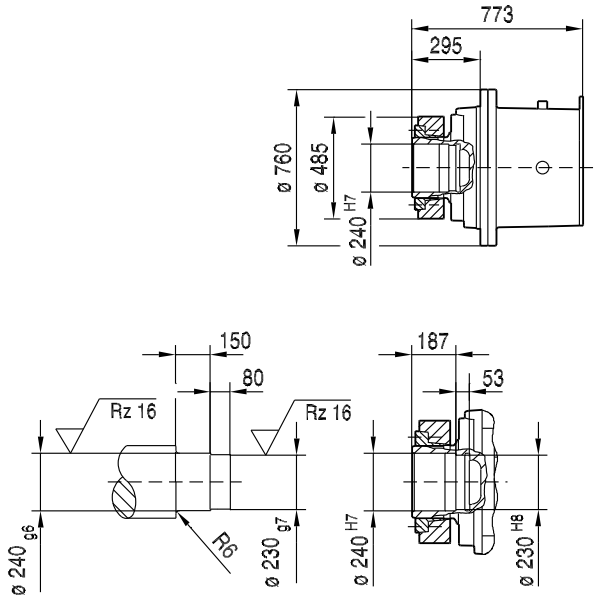
21216193/EN – 11/2014

PF062RF147..

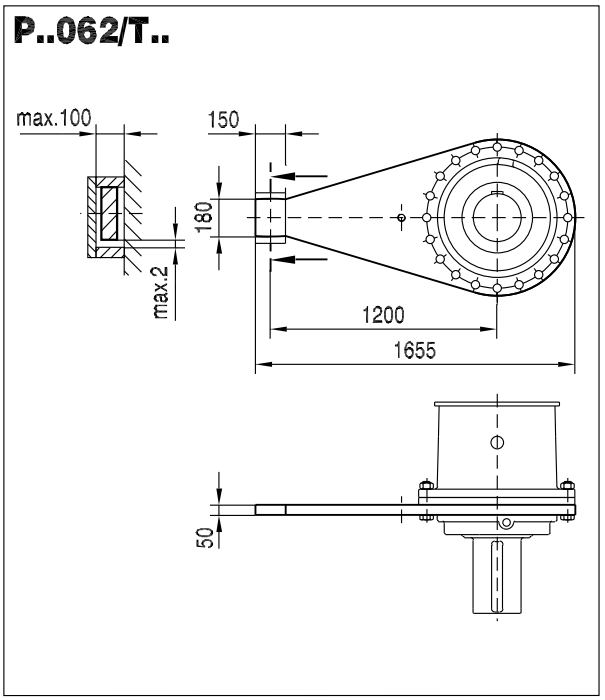
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P..062/T..

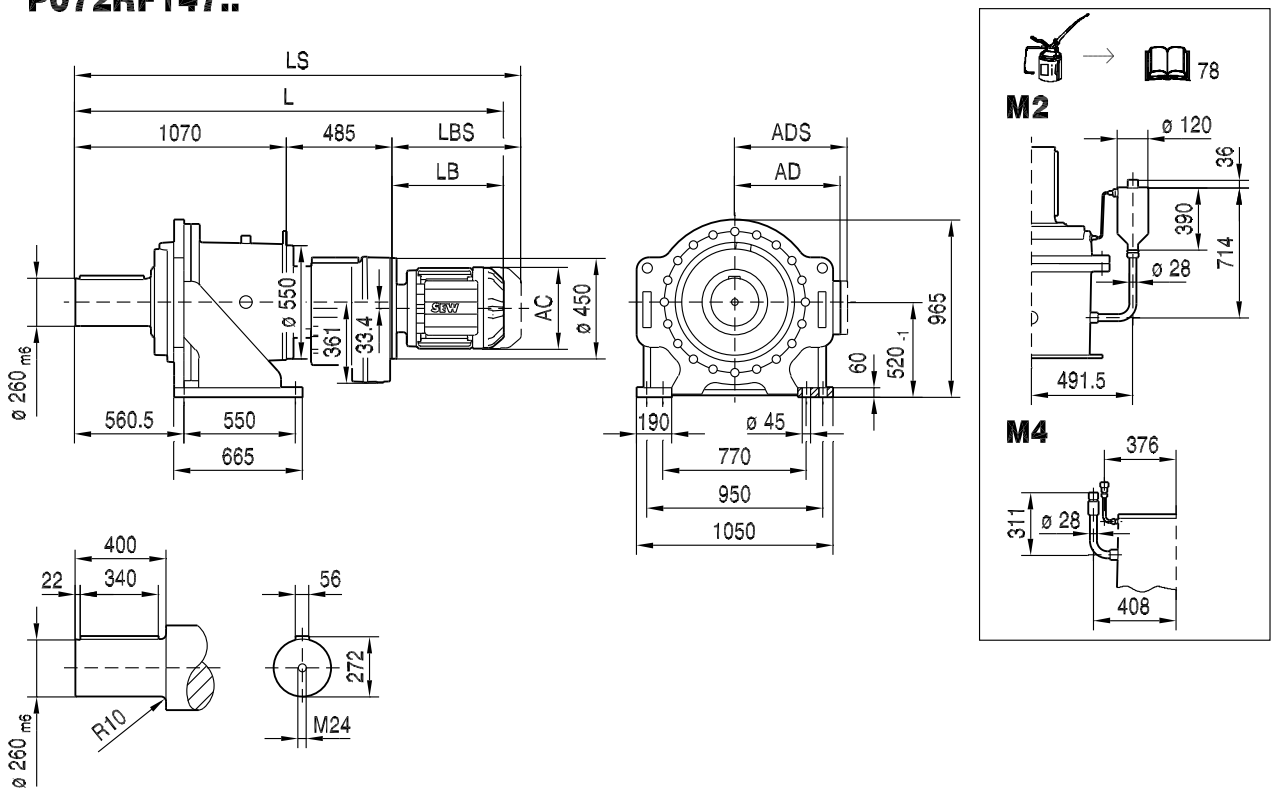


(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1901	1942	2011	2071	2144	2144	2194	2255	2255
LS	2013	2079	2200	2260	2349	2349	2399	2495	2495
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

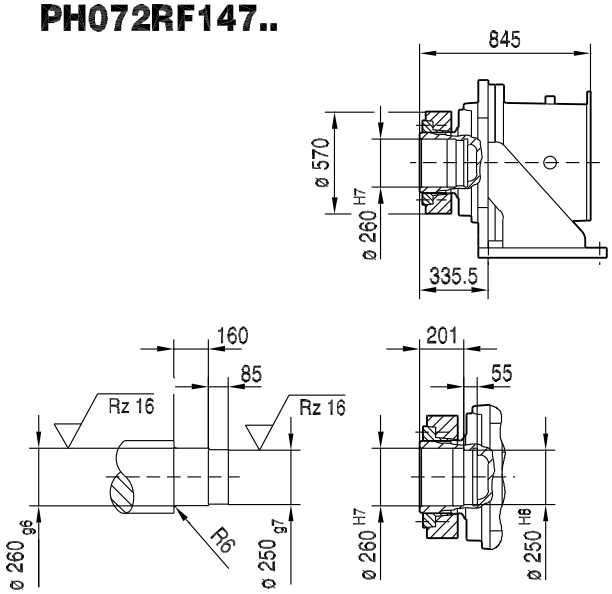
21216193/EN – 11/2014

P072RF147..

45 026 02 08



PH072RF147..

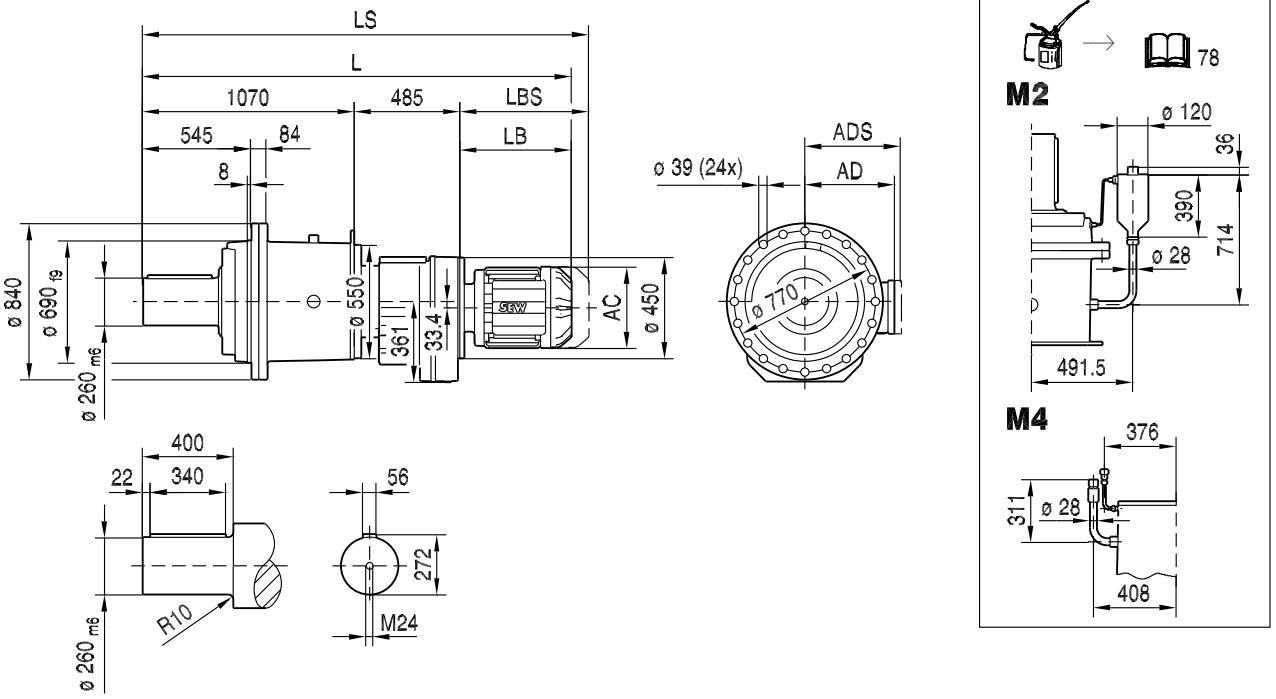


(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1953	1994	2063	2123	2196	2196	2246	2307	2307
LS	2065	2131	2252	2312	2401	2401	2451	2547	2547
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

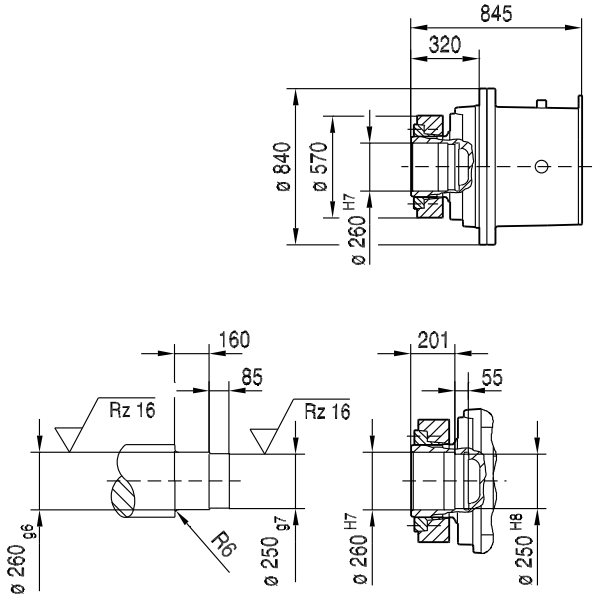
21216193/EN – 11/2014

PF072RF147..

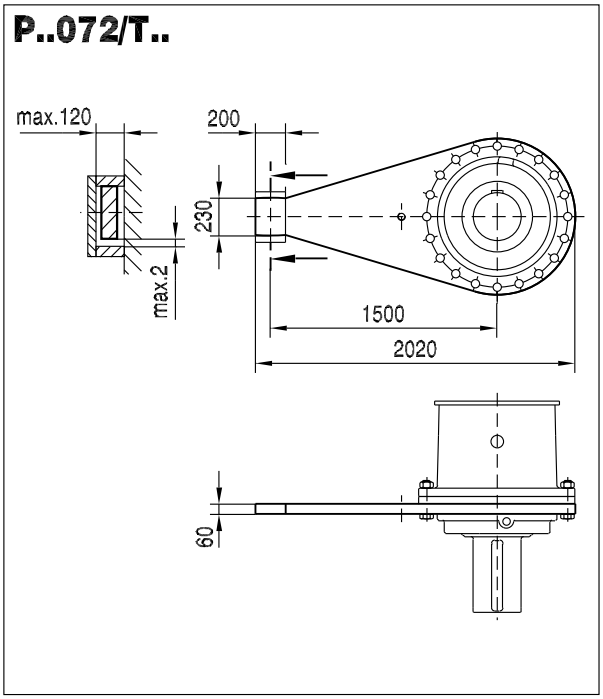
45 055 02 08



PHF072RF147..



P..072/T..

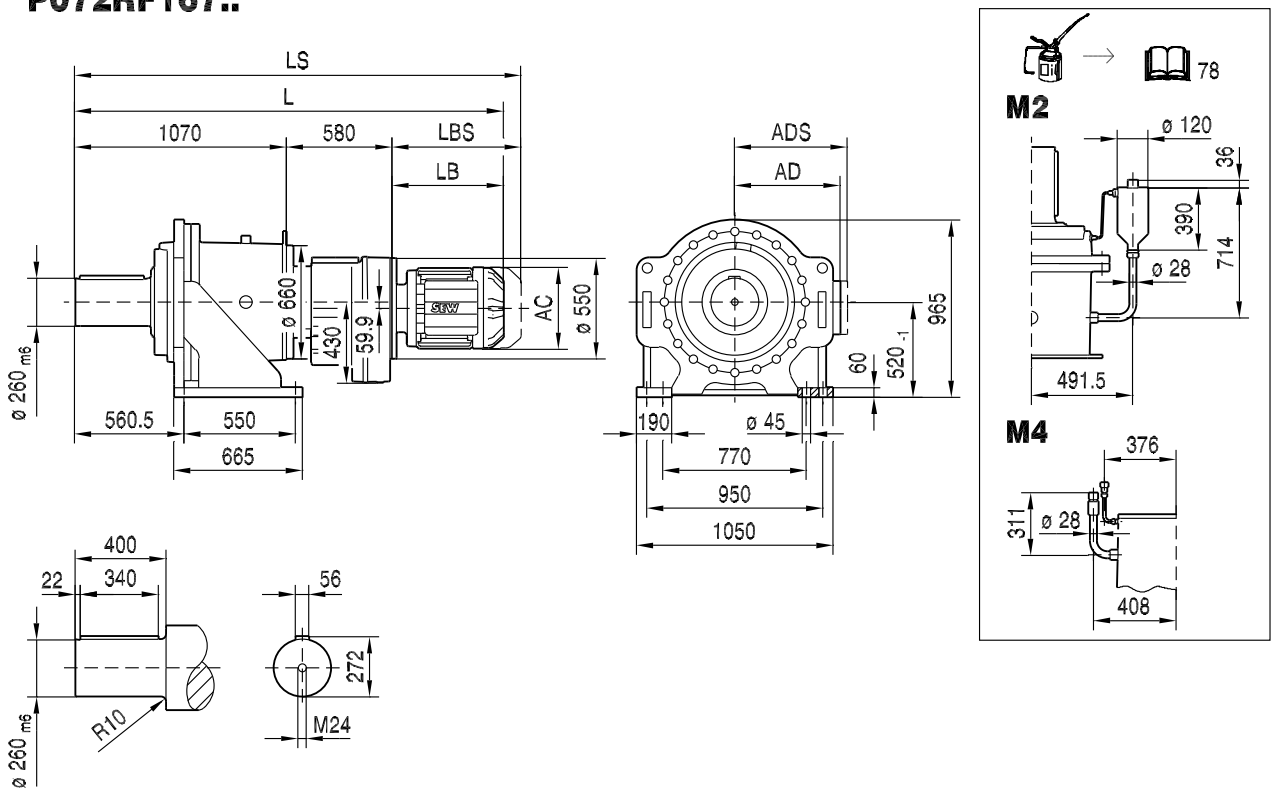


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1953	1994	2063	2123	2196	2196	2246	2307	2307
LS	2065	2131	2252	2312	2401	2401	2451	2547	2547
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

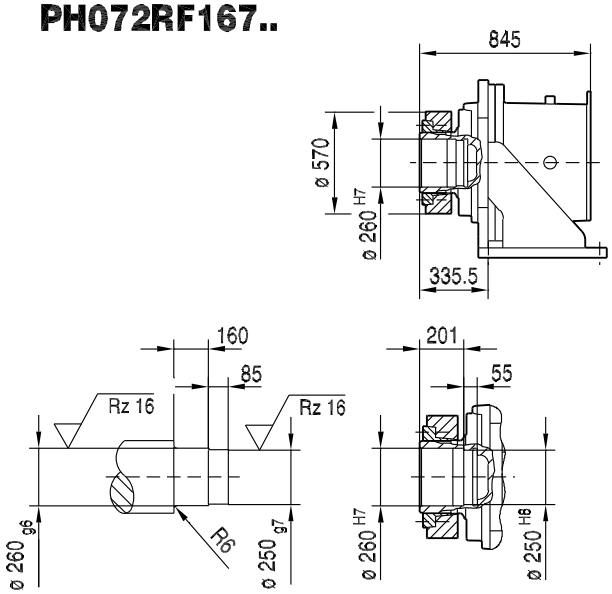
21216193/EN – 11/2014

P072RF167..

45 027 02 08



PH072RF167..

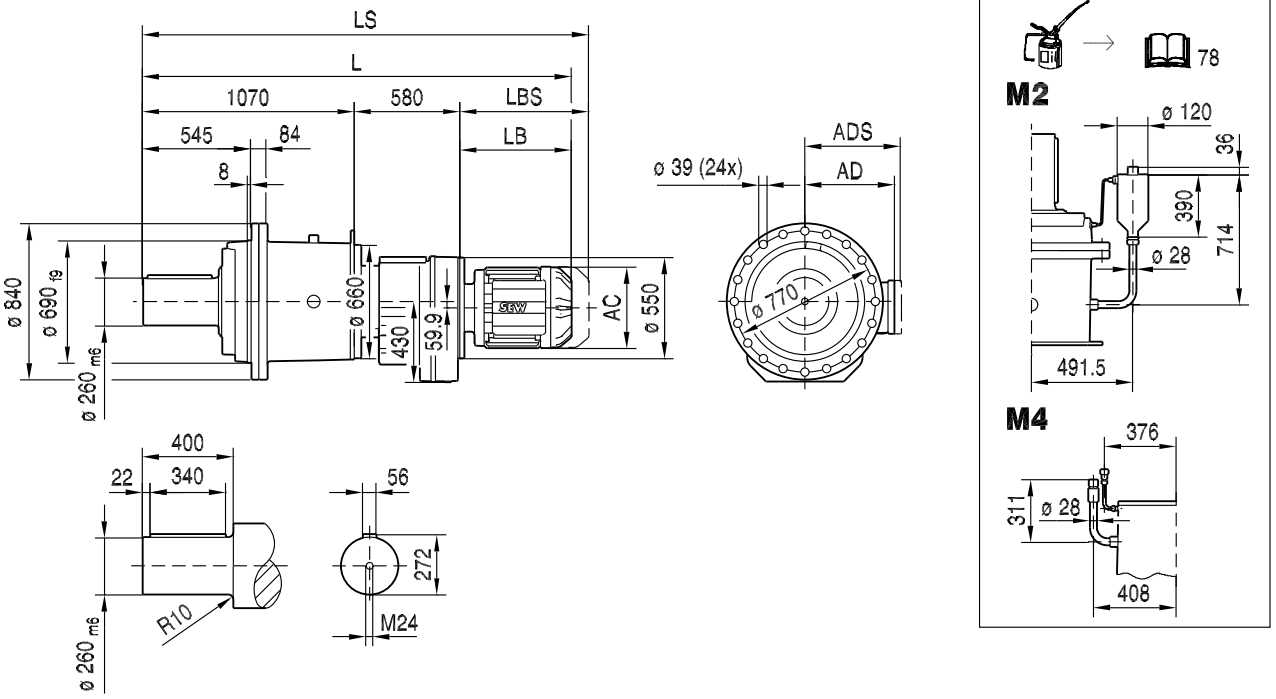


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC		
AC	272	316	316	394	394	394		
AD	228	253	253	283	283	283		
ADS	228	253	253	283	283	283		
L	2081	2150	2210	2283	2283	2333		
LS	2218	2339	2399	2488	2488	2538		
LB	431	500	560	633	633	683		
LBS	568	689	749	838	838	888		

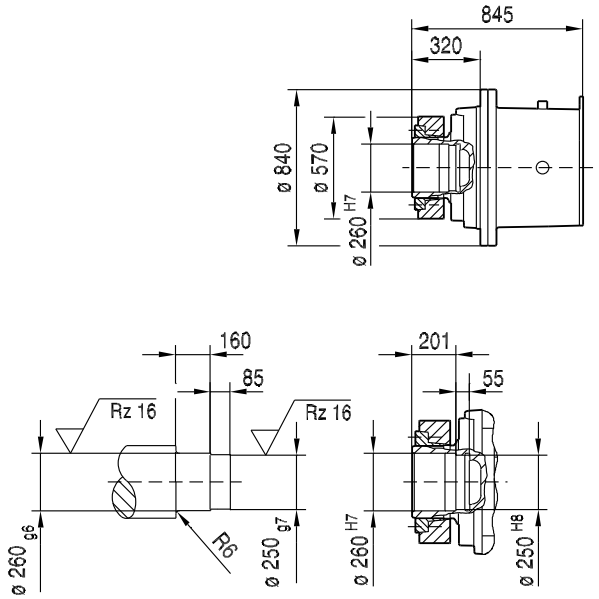
21216193/EN – 11/2014

PF072RF167..

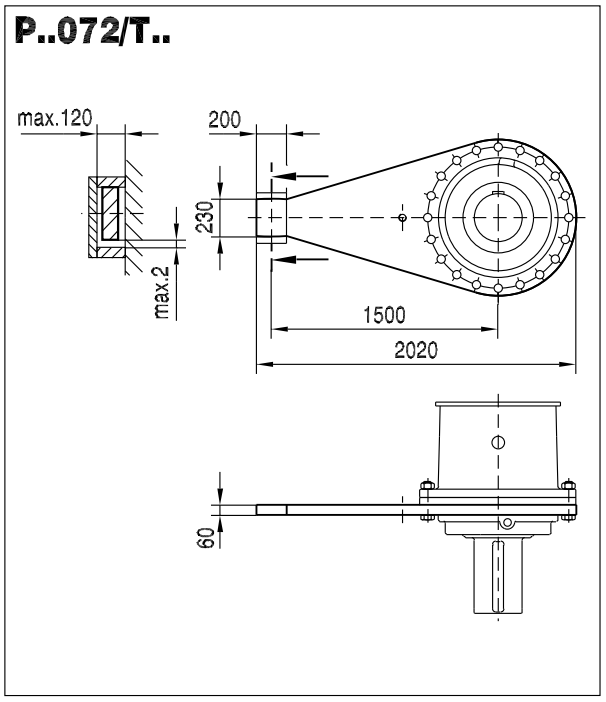
45 056 02 08



PHF072RF167..



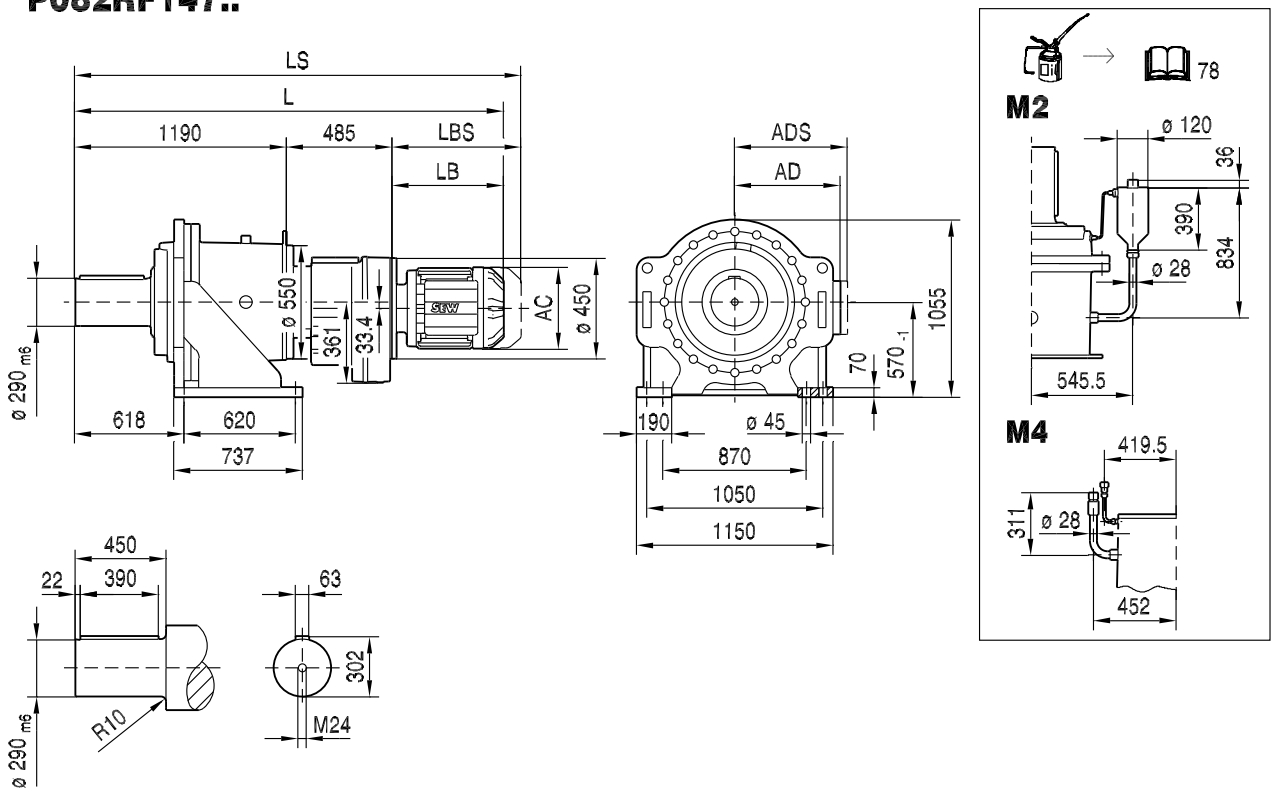
P..072/T..



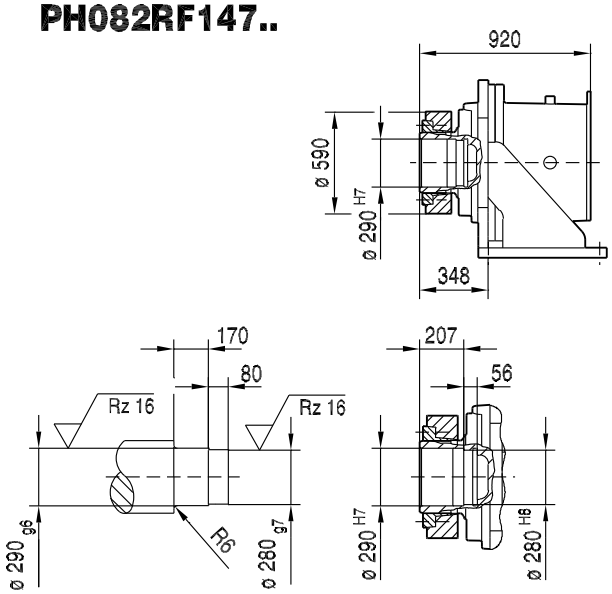
(→ 📄 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC		
AC	272	316	316	394	394	394		
AD	228	253	253	283	283	283		
ADS	228	253	253	283	283	283		
L	2081	2150	2210	2283	2283	2333		
LS	2218	2339	2399	2488	2488	2538		
LB	431	500	560	633	633	683		
LBS	568	689	749	838	838	888		

P082RF147..

45 028 02 08



PH082RF147..

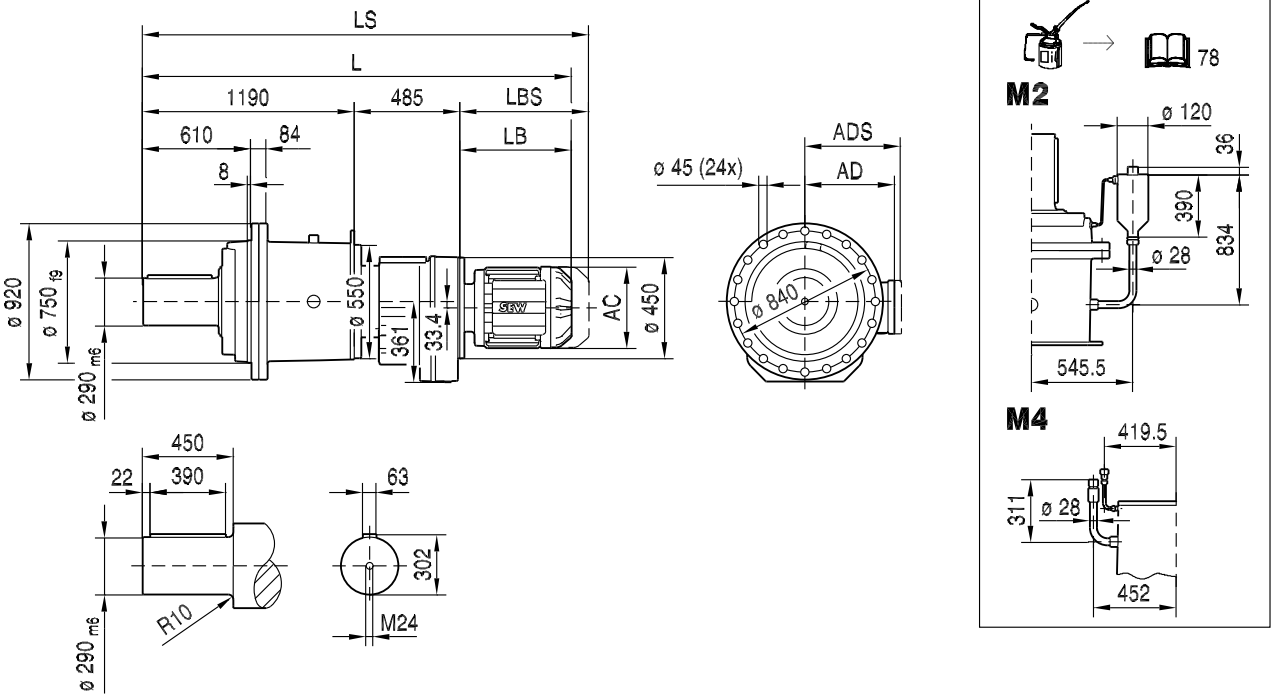


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR250	DR280		
AC	272	316	316	394	495	495		
AD	228	253	253	283	394	394		
ADS	228	253	253	283	394	394		
L	2114	2183	2243	2316	2427	2427		
LS	2251	2372	2432	2521	2667	2667		
LB	439	508	568	641	752	752		
LBS	576	697	757	846	992	992		

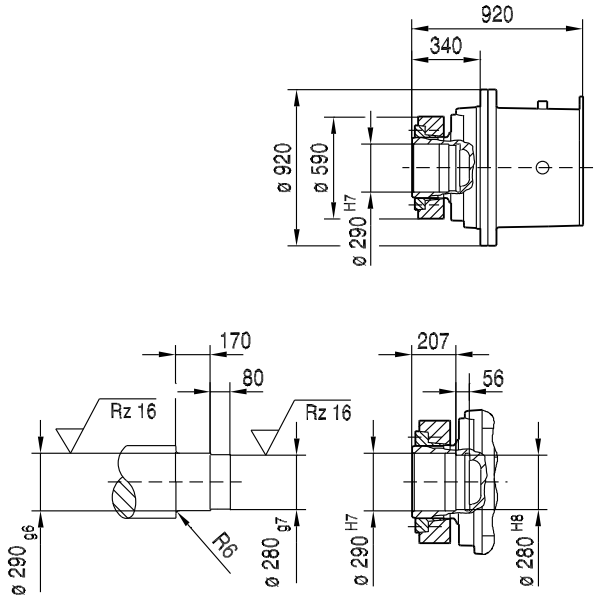
21216193/EN – 11/2014

PF082RF147..

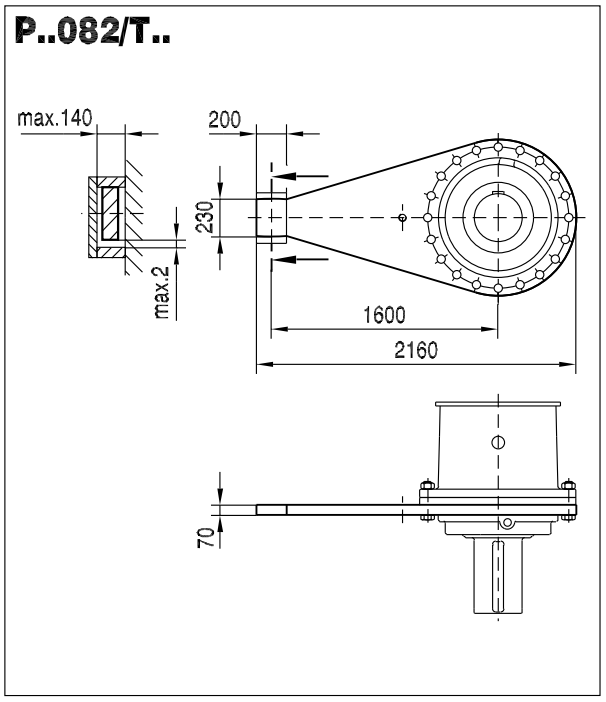
45 057 02 08



PHF082RF147..



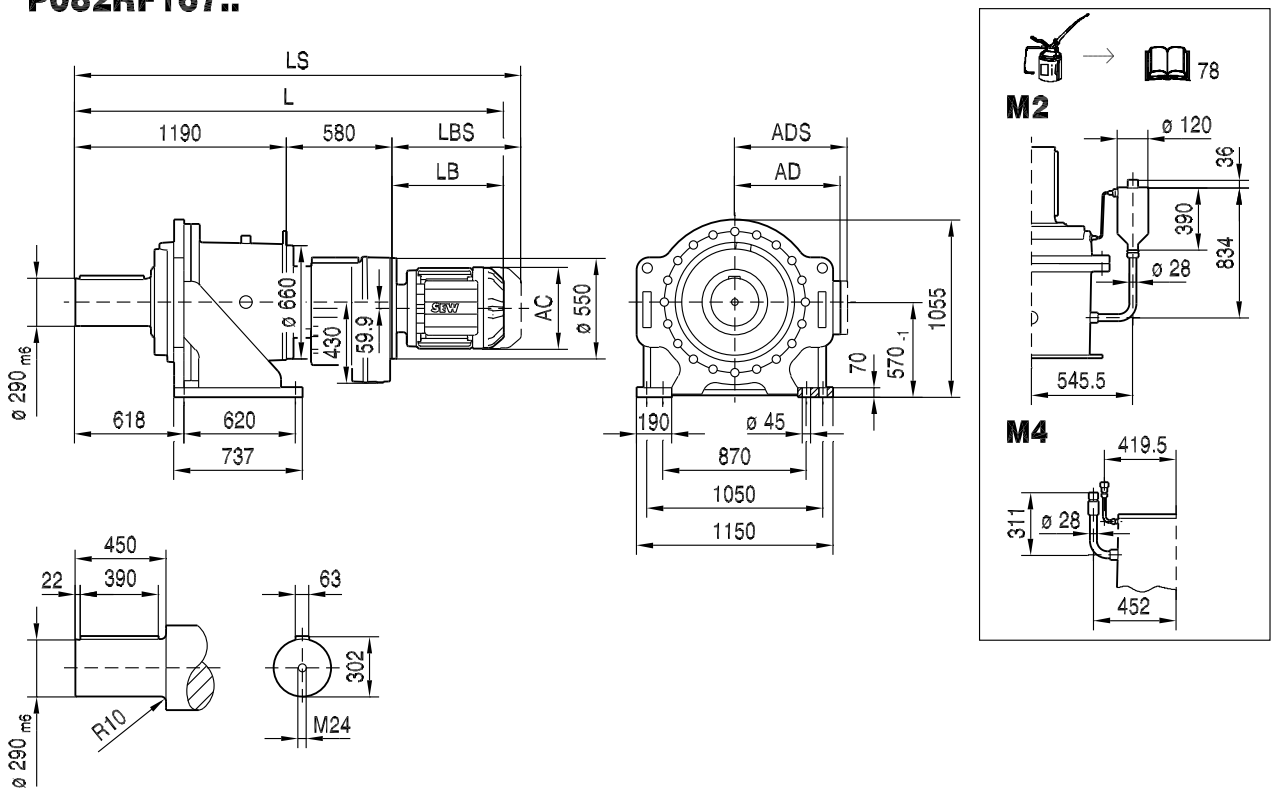
P..082/T..



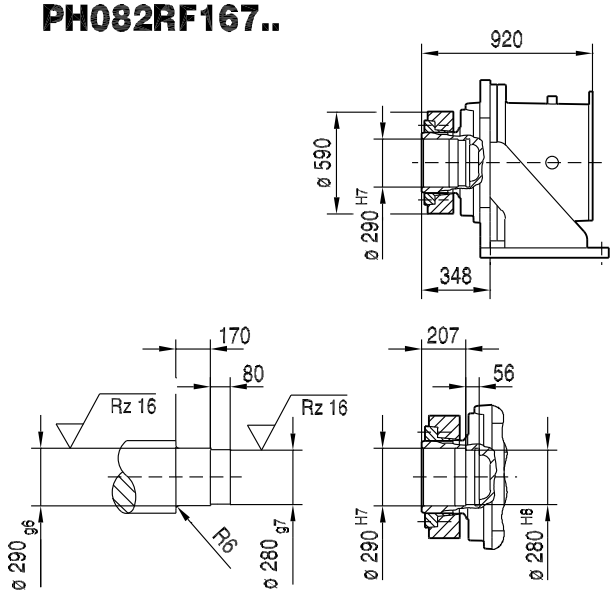
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR250	DR280		
AC	272	316	316	394	495	495		
AD	228	253	253	283	394	394		
ADS	228	253	253	283	394	394		
L	2114	2183	2243	2316	2427	2427		
LS	2251	2372	2432	2521	2667	2667		
LB	439	508	568	641	752	752		
LBS	576	697	757	846	992	992		

P082RF167..

45 029 02 08



PH082RF167..

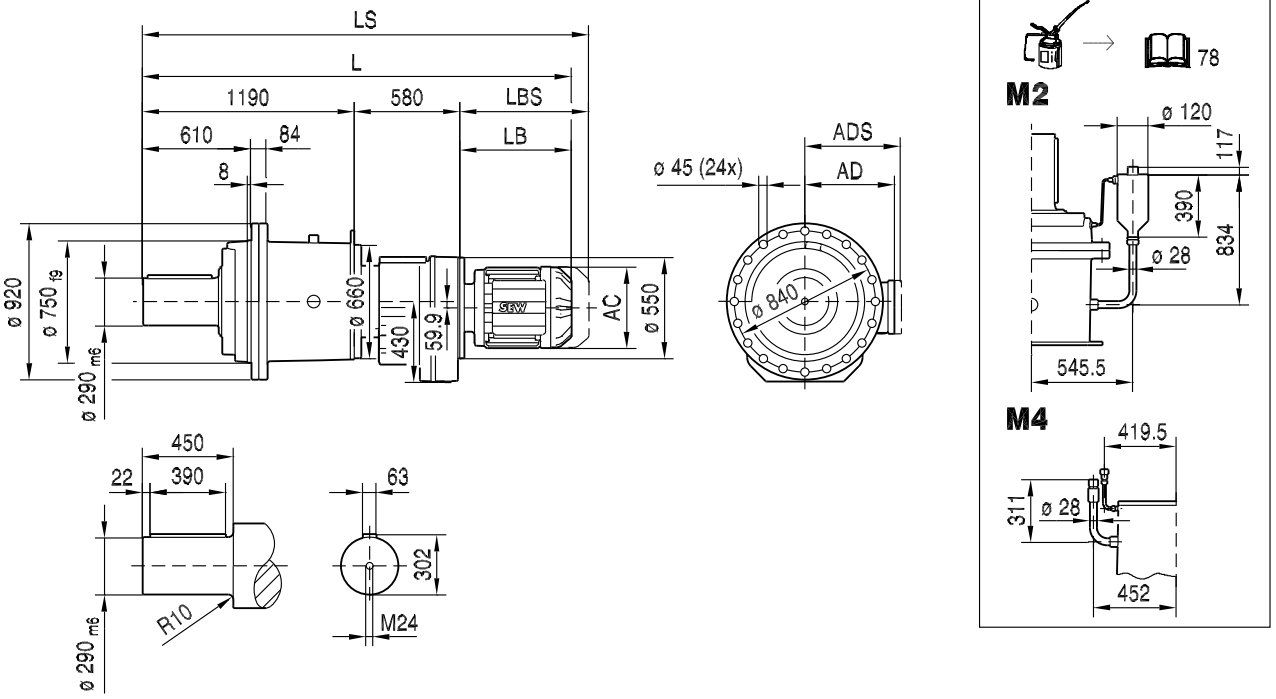


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S
AC	272	316	316	394	394	394	495	495	624
AD	228	253	253	283	283	283	394	394	506
ADS	228	253	253	283	283	283	394	394	506
L	2201	2270	2330	2403	2403	2453	2514	2514	2711
LS	2338	2459	2519	2608	2608	2658	2754	2754	2962
LB	431	500	560	633	633	683	744	744	941
LBS	568	689	749	838	838	888	984	984	1192

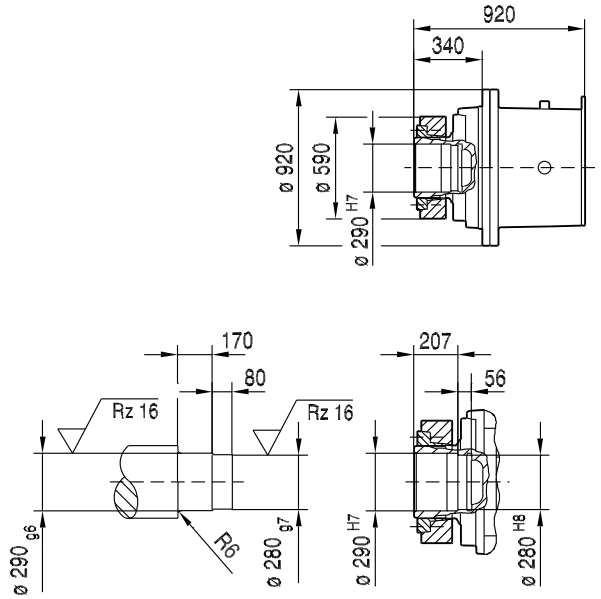
21216193/EN – 11/2014

PF082RF167..

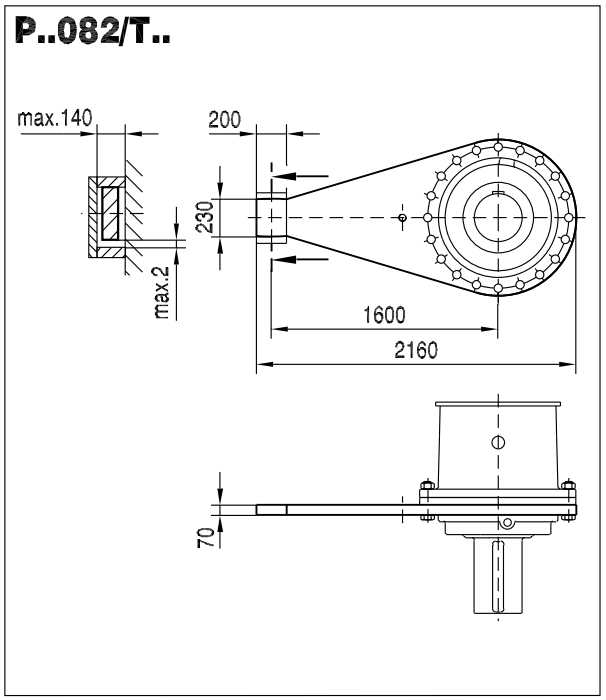
45 058 02 08



PHF082RF167..



P..082/T..

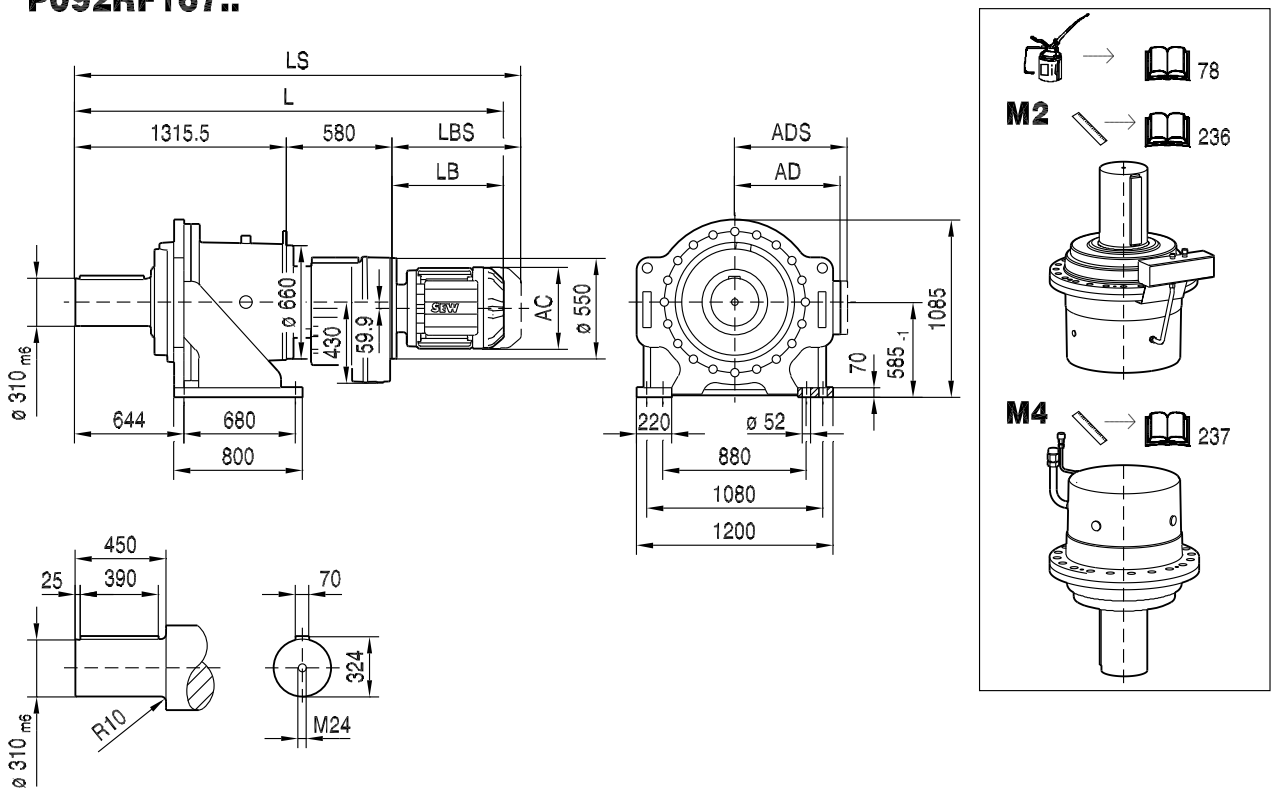


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S
AC	272	316	316	394	394	394	495	495	624
AD	228	253	253	283	283	283	394	394	506
ADS	228	253	253	283	283	283	394	394	506
L	2201	2270	2330	2403	2403	2453	2514	2514	2711
LS	2338	2459	2519	2608	2608	2658	2754	2754	2962
LB	431	500	560	633	633	683	744	744	941
LBS	568	689	749	838	838	888	984	984	1192

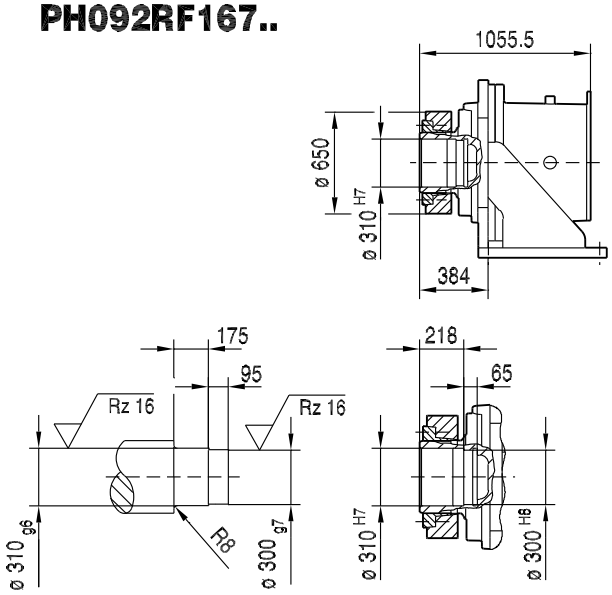
21216193/EN – 11/2014

P092RF167..

45 001 01 11



PH092RF167..

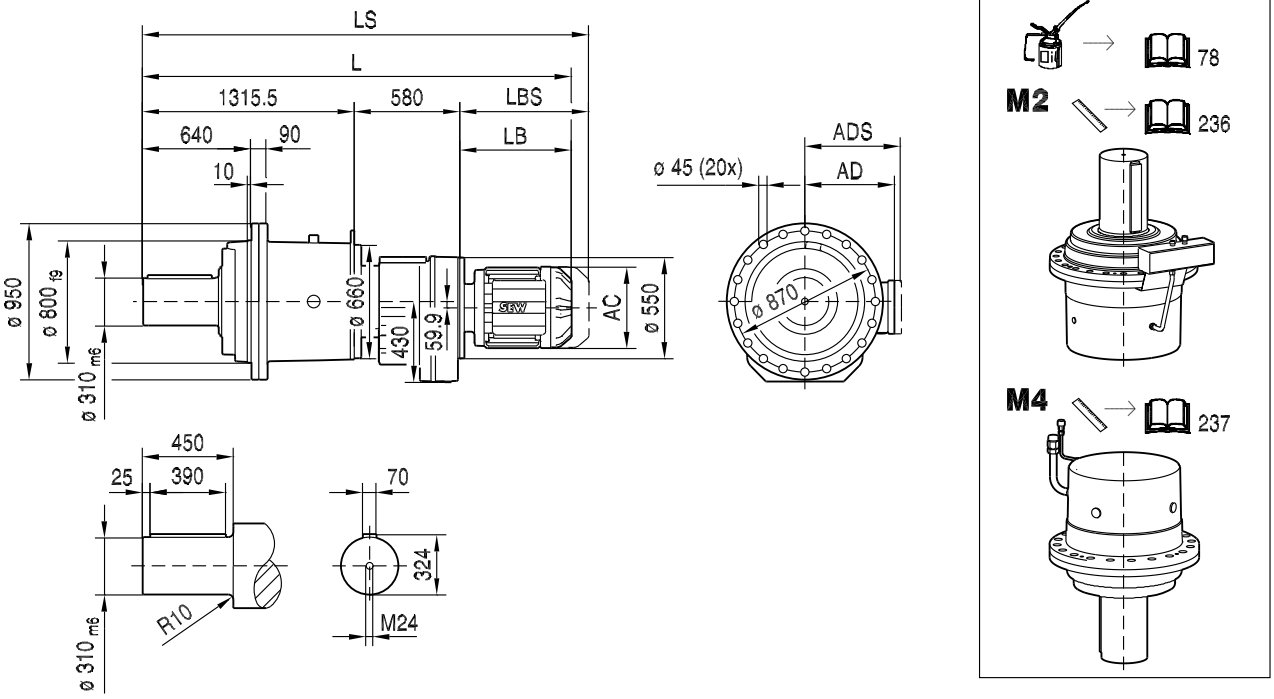


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	2327	2396	2456	2529	2529	2579	2640	2640	2837	3009
LS	2464	2585	2645	2734	2734	2784	2880	2880	3088	3261
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

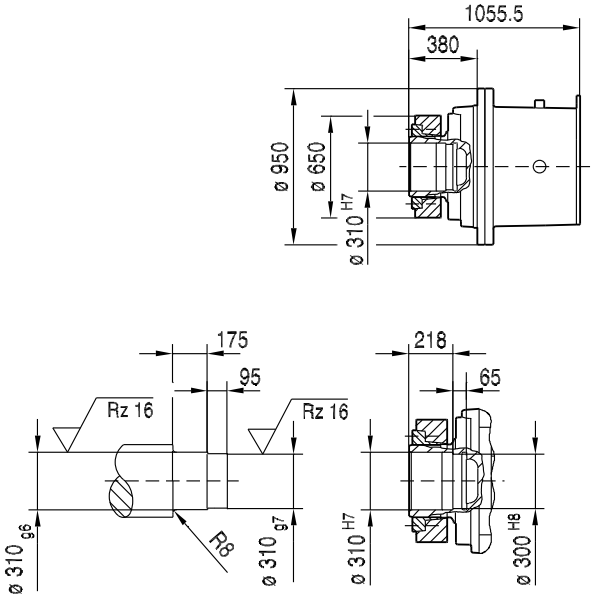
21216193/EN – 11/2014

PF092RF167..

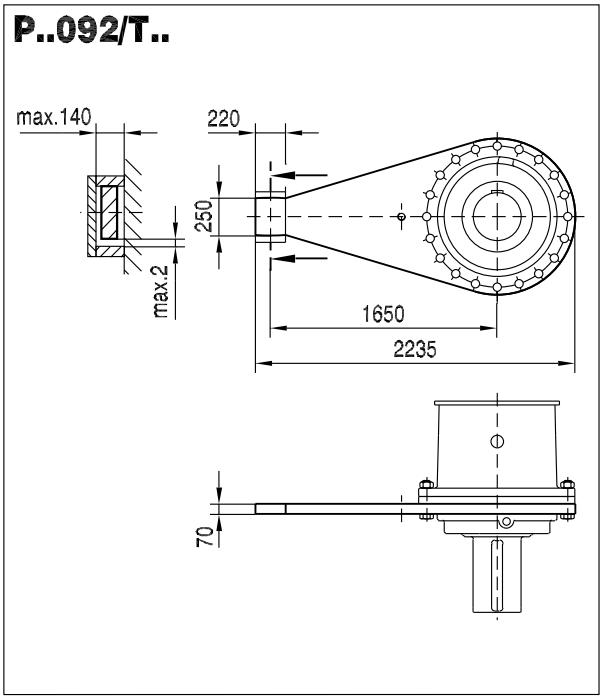
45 003 01 11



PHF092RF167..



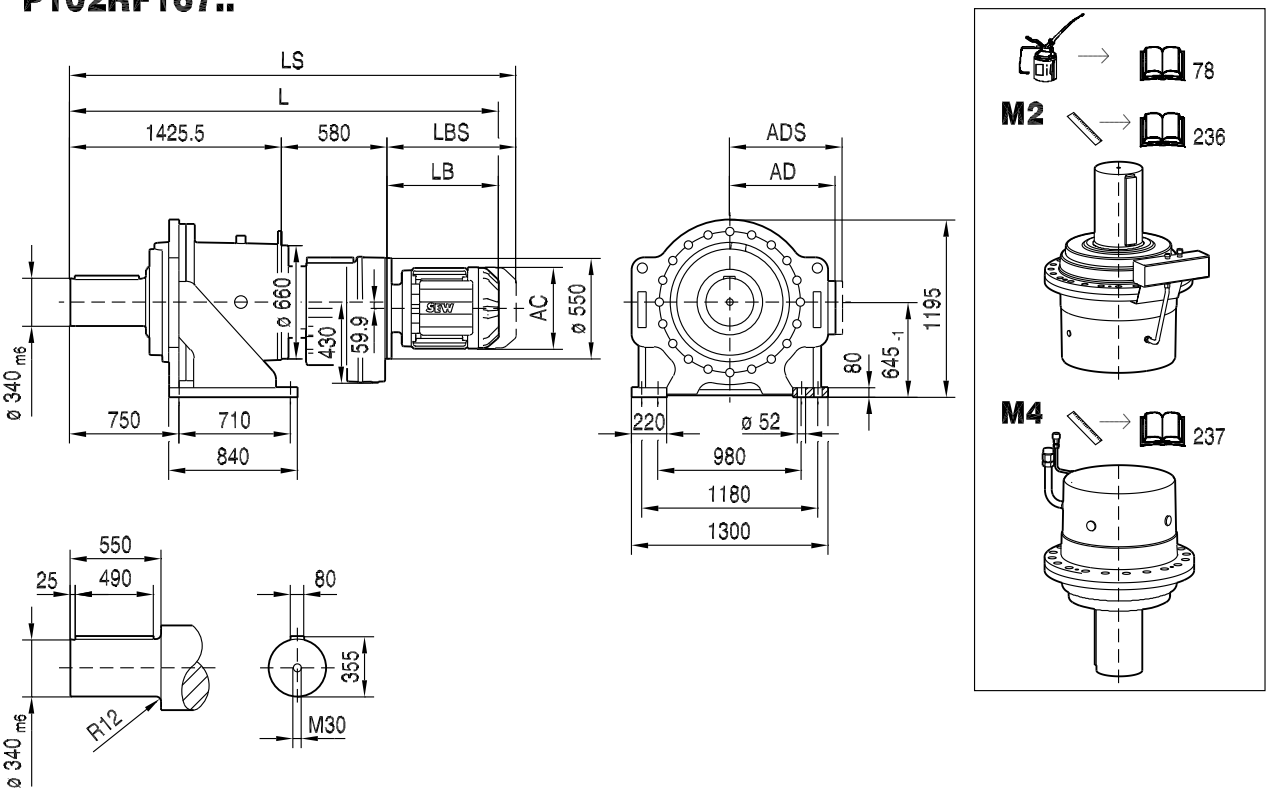
P..092/T..



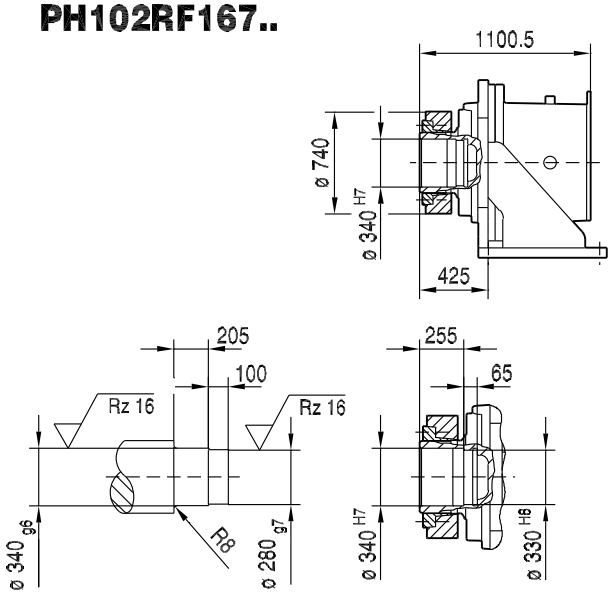
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	2327	2396	2456	2529	2529	2579	2640	2640	2837	3009
LS	2464	2585	2645	2734	2734	2784	2880	2880	3088	3261
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

P102RF167..

45 002 01 11



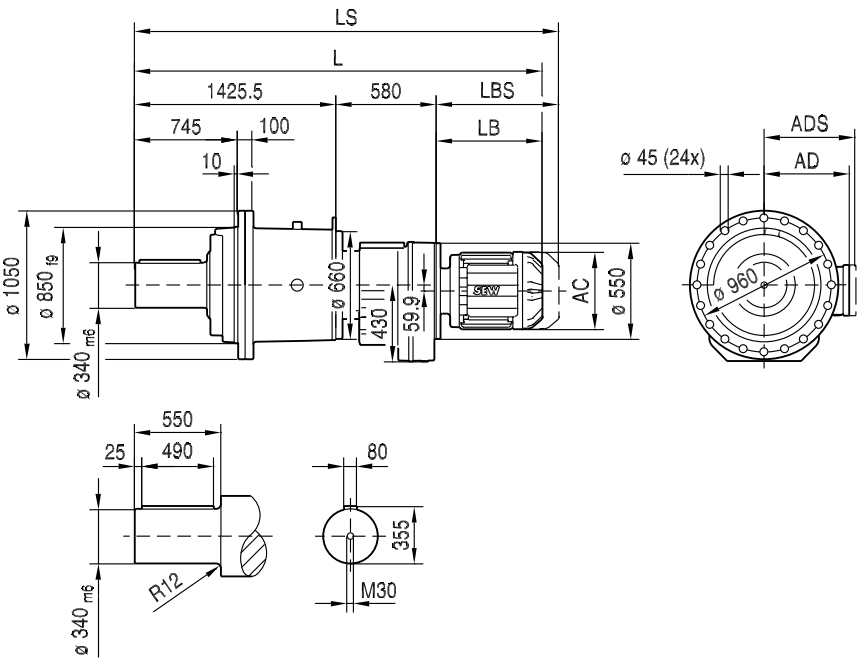
PH102RF167..



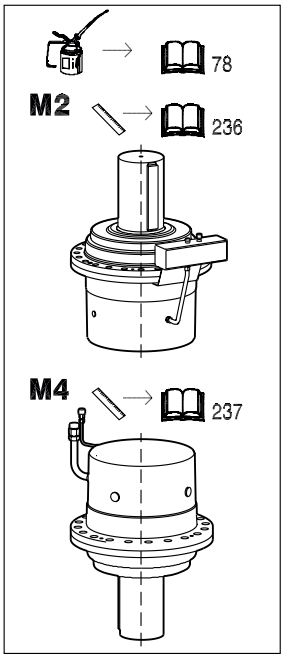
(→ 📄 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	2437	2506	2566	2639	2639	2689	2750	2750	2947	3119
LS	2574	2695	2755	2844	2844	2894	2990	2990	3198	3371
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

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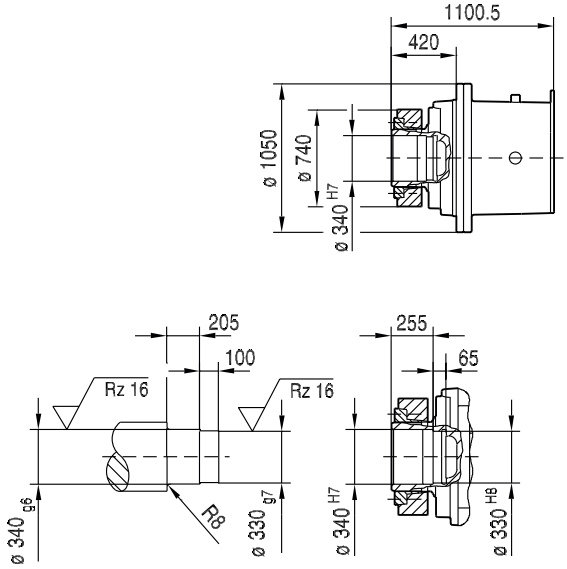
PF102RF167..



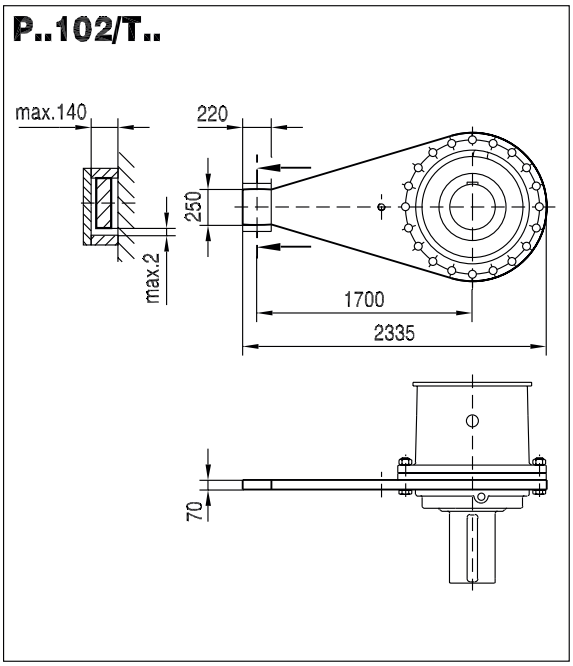
45 004 02 11



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P..102/T..



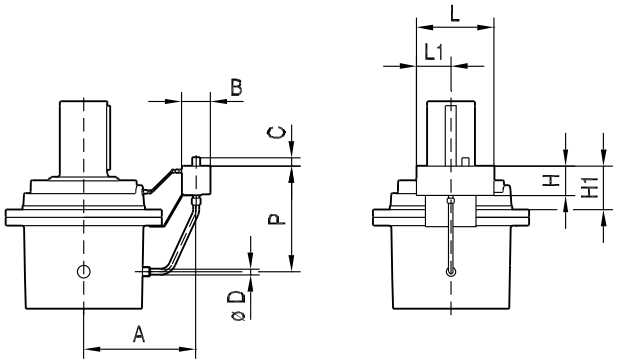
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	2437	2506	2566	2639	2639	2689	2750	2750	2947	3119
LS	2574	2695	2755	2844	2844	2894	2990	2990	3198	3371
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

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10.6 Oil expansion tank for mounting position M2

45 015 00 11

P/PH/PF/PHF
M2



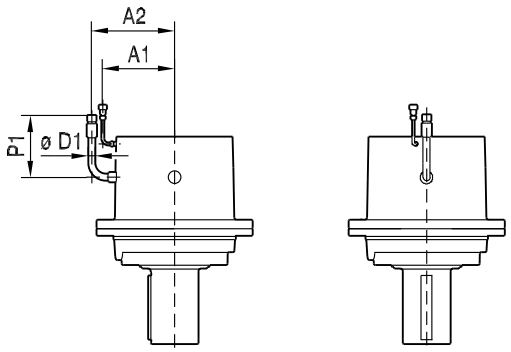
	A	B	C	Ø D	H	H1	L	L1	P
P.092	627.5	160	51	28	160	230	530	235	636.5
P.102	696.5	160	51	28	160	241	530	235	658.5

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10.7 Oil expansion tank for mounting position M4

45 016 00 11

P/PH/PF/PHF
M4



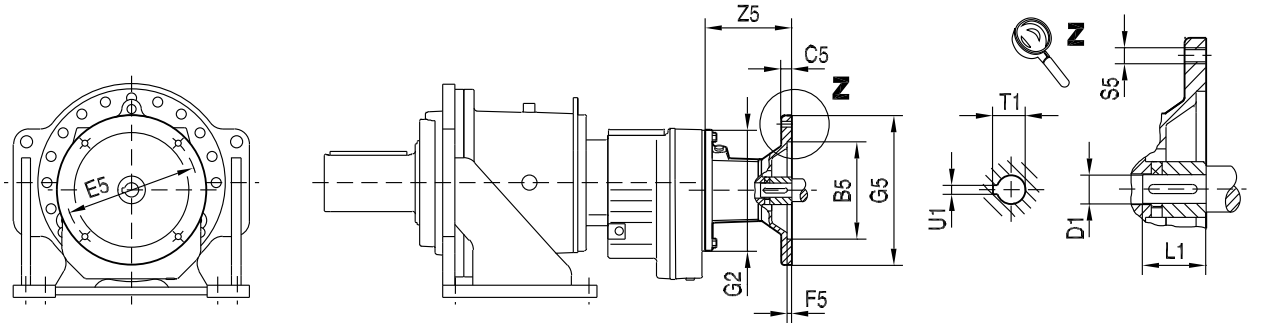
	A1	A2	Ø D1	P1
P.092	477	486	28	361
P.102	507	514	28	361

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10.8 AM adapters for mounting of IEC motors

45 115 00 08

P..RF..AM..



		B5	C5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
P..RF77	AM63	95	10	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71	110	10	130	3.5	200	160	M8	60	14	30	16.3	5
	AM80	130	12	165	4.5	200	200	M10	92	19	40	21.8	6
	AM90	130	12	165	4.5	200	200	M10	92	24	50	27.3	8
	AM100	180	15	215	5	200	250	M12	126	28	60	31.3	8
	AM112	180	15	215	5	200	250	M12	126	28	60	31.3	8
	AM132S/M	230	16	265	5	200	300	M12	179	38	80	41.3	10
	AM132ML	230	16	265	5	200	300	M12	179	38	80	41.3	10
P..RF87	AM80	130	12	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90	130	12	165	4.5	250	200	M10	87	24	50	27.3	8
	AM100	180	15	215	5	250	250	M12	121	28	60	31.3	8
	AM112	180	15	215	5	250	250	M12	121	28	60	31.3	8
	AM132S/M	230	16	265	5	250	300	M12	174	38	80	41.3	10
	AM132ML	230	16	265	5	250	300	M12	174	38	80	41.3	10
	AM160	250	18	300	6	250	350	M16	232	42	110	45.3	12
	AM180	250	18	300	6	250	350	M16	232	48	110	51.8	14
P..RF97	AM100	180	15	215	5	300	250	M12	116	28	60	31.3	8
	AM112	180	15	215	5	300	250	M12	116	28	60	31.3	8
	AM132S/M	230	16	265	5	300	300	M12	169	38	80	41.3	10
	AM132ML	230	16	265	5	300	300	M12	169	38	80	41.3	10
	AM160	250	18	300	6	300	350	M16	227	42	110	45.3	12
	AM180	250	18	300	6	300	350	M16	227	48	110	51.8	14
	AM200	300	20	350	7	300	400	M16	268	55	110	59.3	16

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45 116 00 08

P..RF..AM..

Fig.1

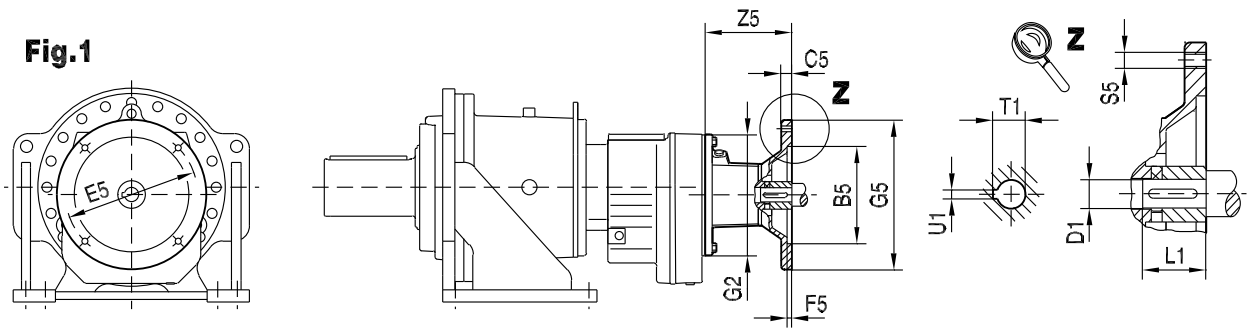


Fig.2

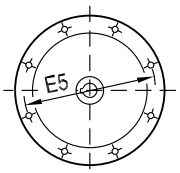
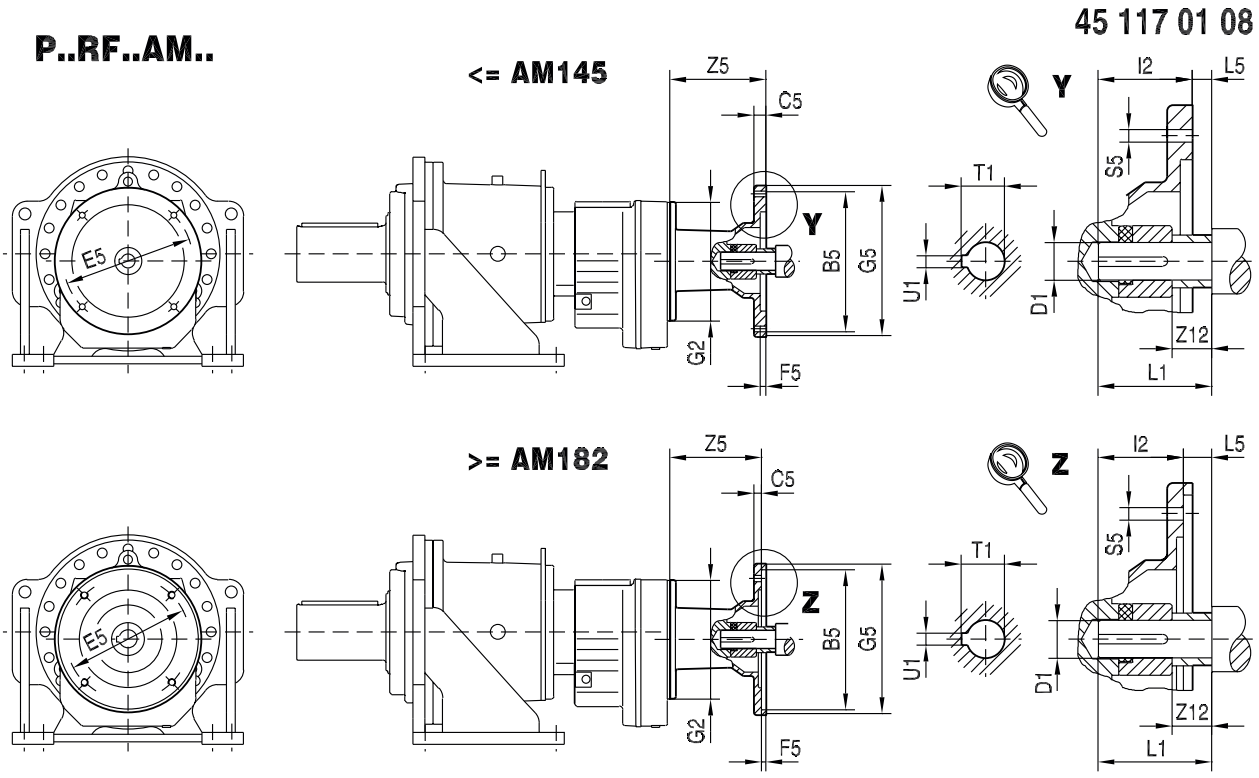


		Fig.	B5	C5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
P..RF107	AM100	1	180	15	215	5	350	250	M12	110	28	60	31.3	8
	AM112	1	180	15	215	5	350	250	M12	110	28	60	31.3	8
	AM132S/M	1	230	16	265	5	350	300	M12	163	38	80	41.3	10
	AM132ML	1	230	16	265	5	350	300	M12	163	38	80	41.3	10
	AM160	1	250	18	300	6	350	350	M16	221	42	110	45.3	12
	AM180	1	250	18	300	6	350	350	M16	221	48	110	51.8	14
	AM200	1	300	20	350	7	350	400	M16	262	55	110	59.3	16
	AM225	2	350	22	400	7	350	450	M16	277	60	140	64.4	18
P..RF137	AM132S/M	1	230	16	265	5	400	300	M12	156	38	80	41.3	10
	AM132ML	1	230	16	265	5	400	300	M12	156	38	80	41.3	10
	AM160	1	250	18	300	5	400	350	M16	214	42	110	45.3	12
	AM180	1	250	18	300	5	400	350	M16	214	48	110	51.8	14
	AM200	1	300	20	350	7	400	400	M16	255	55	110	59.3	16
	AM225	2	350	22	400	7	400	450	M16	270	60	140	64.4	18
P..RF147	AM132S/M	1	230	16	265	5	450	300	M12	148	38	80	41.3	10
	AM132ML	1	230	16	265	5	450	300	M12	148	38	80	41.3	10
	AM160	1	250	18	300	6	450	350	M16	206	42	110	45.3	12
	AM180	1	250	18	300	6	450	350	M16	206	48	110	51.8	14
	AM200	1	300	20	350	7	450	400	M16	247	55	110	59.3	16
	AM225	2	350	22	400	7	450	450	M16	262	60	140	64.4	18
	AM250	2	450	25	500	7	450	550	M16	336	65	140	69.4	18
	AM280	2	450	25	500	7	450	550	M16	336	75	140	79.9	20
P..RF167	AM160	1	250	18	300	6	550	350	M16	198	42	110	45.3	12
	AM180	1	250	18	300	6	550	350	M16	198	48	110	51.8	14
	AM200	1	300	20	350	7	550	400	M16	239	55	110	59.3	16
	AM225	2	350	22	400	7	550	450	M16	254	60	140	64.4	18
	AM250	2	450	25	500	7	550	550	M16	328	65	140	69.4	18
	AM280	2	450	25	500	7	550	550	M16	328	75	140	79.9	20

10.9 AM adapters for mounting of NEMA motors

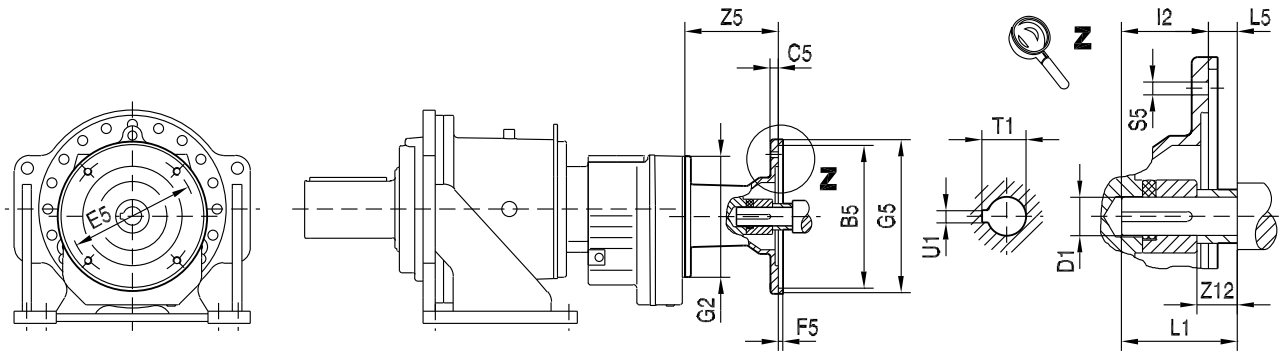


		B5	C5	E5	F5	G2	G5	I2	L5	S5	Z5	Z12	D1	L1	T1	U1
P..RF77	AM56	114.3	11	149.2	4.5	200	170	52.55	-4.8	10.5	81	16.5	15.875	47	18.1	4.77
	AM143	114.3	12	149.2	4.5	200	170	54.1	3	10.5	103.5	14.5	22.225	57	24.7	4.77
	AM145	114.3	12	149.2	4.5	200	170	54.1	3	10.5	103.5	14.5	22.225	57	24.7	4.77
	AM182	215.9	10	184	5	200	228	66.75	3	15	139.5	16.5	28.575	69	31.7	6.35
	AM184	215.9	10	184	5	200	228	66.75	3	15	139.5	16.5	28.575	69	31.7	6.35
	AM213/215	215.9	11	184	5	200	228	79.55	6.3	15	188.5	15.8	34.925	85	38.7	7.94
P..RF87	AM143	114.3	12	149.2	4.5	250	170	54.1	3	10.5	98.5	14.5	22.225	57	24.7	4.77
	AM145	114.3	12	149.2	4.5	250	170	54.1	3	10.5	98.5	14.5	22.225	57	24.7	4.77
	AM182	215.9	10	184	5	250	228	66.75	3	15	134.5	16.5	28.575	69	31.7	6.35
	AM184	215.9	10	184	5	250	228	66.75	3	15	134.5	16.5	28.575	69	31.7	6.35
	AM213/215	215.9	11	184	5	250	228	79.55	6.3	15	183.5	15.8	34.925	85	38.7	7.94
	AM254/256	215.9	12	184	5	250	228	95.3	6.3	15	234	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5	250	286	111.05	6.3	15	241	15.8	47.625	117	53.4	12.7
P..RF97	AM182	215.9	10	184	5	300	228	66.75	3	15	129.5	16.5	28.575	69	24.7	6.35
	AM184	215.9	10	184	5	300	228	66.75	3	15	129.5	16.5	28.575	69	24.7	6.35
	AM213/215	215.9	11	184	5	300	228	79.55	6.3	15	178.5	15.8	34.925	85	38.7	7.94
	AM254/256	215.9	12	184	5	300	228	95.3	6.3	15	229	9	41.275	101	45.8	9.53
	AM284/286	266.7	20	228.6	5	300	286	111.05	6.3	15	236	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5	300	356	127.05	6.3	17.5	296	34.8	53.975	133	60	12.7
	AM364/365	317.5	17	279.4		300	356	143.05	6.3	17.5	296	34.8	60.325	149	67.6	15.875

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P..RF..AM..

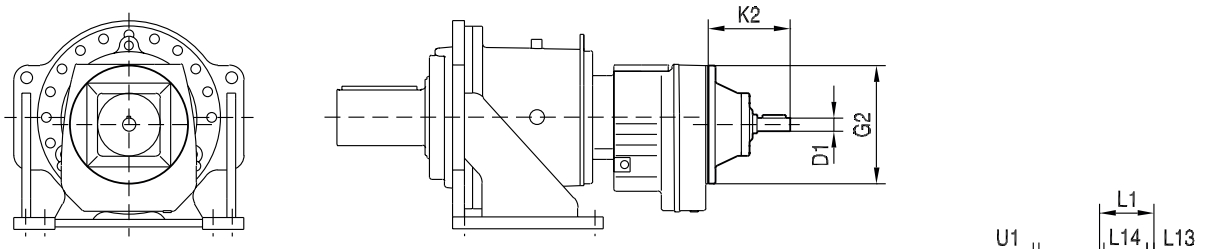


		B5	C5	E5	F5	G2	G5	I2	L5	S5	Z5	Z12	D1	L1	T1	U1
P..RF107	AM182	215.9	10	184	5	350	228	66.75	3	15	123.5	16.5	28.575	69	31.7	6.35
	AM184	215.9	10	184	5	350	228	66.75	3	15	123.5	16.5	28.575	69	31.7	6.35
	AM213/215	215.9	11	184	5	350	228	79.55	6.3	15	172.5	15.8	34.925	85	38.7	7.94
	AM254/256	215.9	12	184	5	350	228	95.3	6.3	15	223	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5	350	286	111.05	6.3	15	230	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5	350	356	127.05	6.3	17.5	290	34.8	53.975	133	60	12.7
	AM364/365	317.5	17	279.4	5	350	356	143.05	6.3	17.5	290	34.8	60.325	149	67.6	15.875
P..RF137	AM213/215	215.9	11	184	5	400	228	79.55	6.3	15	165.5	15.8	34.925	85	38.7	7.94
	AM254/256	215.9	12	184	5	400	228	95.3	6.3	15	216	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5	400	286	111.05	6.3	15	223	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5	400	356	127.05	6.3	17.5	283	34.8	53.975	133	60	12.7
	AM364/365	317.5	17	279.4	5	400	356	143.05	6.3	17.5	283	34.8	60.325	149	67.6	15.875
P..RF147	AM213/215	215.9	11	184	5	450	228	79.55	6.3	15	157.5	15.8	34.925	85	38.7	7.94
	AM254/256	215.9	12	184	5	450	228	95.3	6.3	15	208	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5	450	286	111.05	6.3	15	215	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5	450	356	127.05	6.3	17.5	275	34.8	53.975	133	60	12.7
	AM364/365	317.5	17	279.4		450	356	143.05	6.3	17.5	275	34.8	60.325	149	67.6	15.875
P..RF167	AM254/256	215.9	12	184	5	550	228	95.3	6.3	15	200	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5	550	286	111.05	6.3	15	207	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5	550	356	127.05	6.3	17.5	267	34.8	53.975	133	60	12.7
	AM364/365	317.5	17	279.4		550	356	143.05	6.3	17.5	267	34.8	60.325	149	67.6	15.875

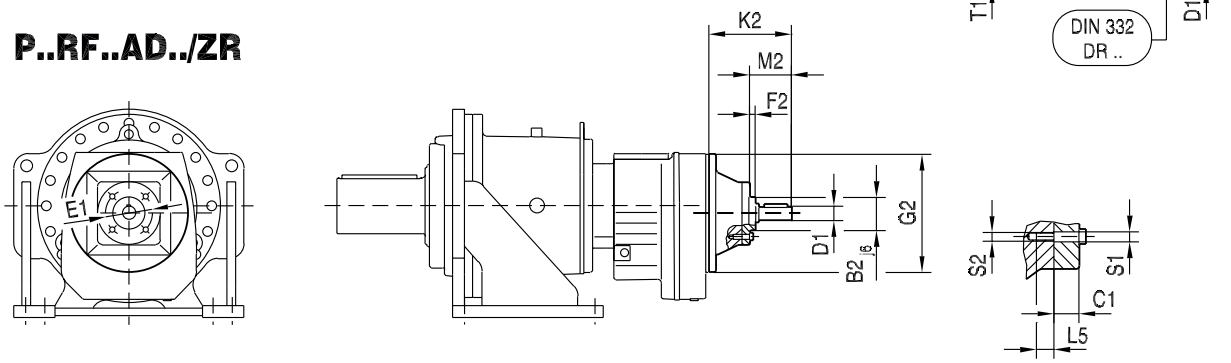
10.10 AD input shaft assembly

P..RF..AD..

45 121 01 08



P..RF..AD../ZR

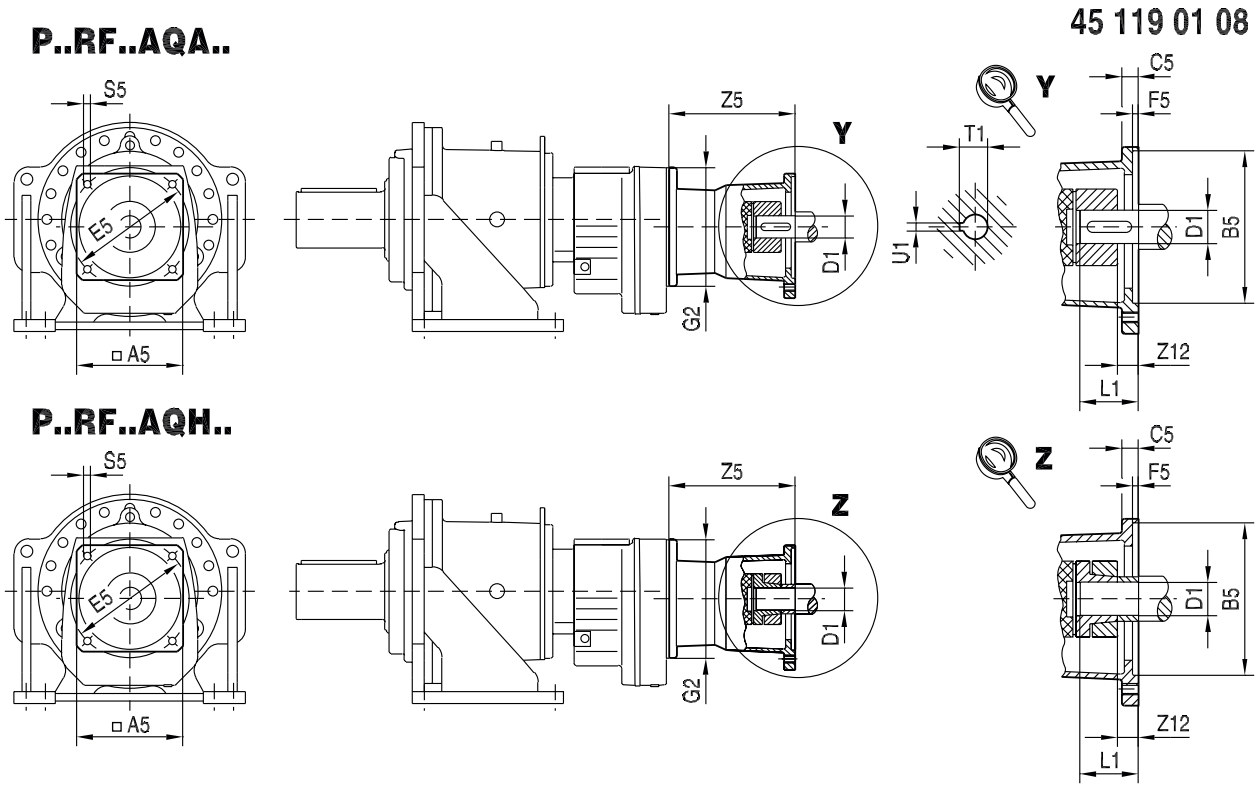


		B2	C1	E1	F2	G2	K2	L5	M2	S1	S2	D1	L1	L13	L14	T1	U1
P..RF77	AD2 , AD2/ZR	55	13.5	80	8	200	116	12	50	9	M8	19	40	4	32	21.5	6
	AD3 , AD3/ZR	70	15.5	105	8		151	16	60	11	M10	24	50	5	40	27	8
	AD4 , AD4/ZR	100	16	130	13		224	20	95.5	13.5	M12	38	80	5	70	41	10
P..RF87	AD2 , AD2/ZR	55	13.5	80	8	250	111	12	50	9	M8	19	40	4	32	21.5	6
	AD3 , AD3/ZR	70	15.5	105	8		156	16	60	11	M10	28	60	5	50	31	8
	AD4 , AD4/ZR	100	16	130	13		219	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		292	20	126	13.5	M12	42	110	10	70	45	12
P..RF97	AD3 , AD3/ZR	70	15.5	105	8	300	151	16	60	11	M10	28	60	5	50	31	8
	AD4 , AD4/ZR	100	16	130	13		214	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		287	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		327	26	130.5	17.5	M16	48	110	10	80	51.5	14
P..RF107	AD3 , AD3/ZR	70	15.5	105	8	350	145	16	60	11	M10	28	60	5	50	31	8
	AD4 , AD4/ZR	100	16	130	13		208	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		281	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		321	26	130.5	17.5	M16	48	110	10	80	51.5	14
P..RF137	AD4 , AD4/ZR	100	16	130	13	400	201	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		274	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		314	26	130.5	17.5	M16	48	110	10	80	51.5	14
	AD7 , AD7/ZR	125	19	190	13		308	30	133	22	M20	55	110	10	90	59	16
P..RF147	AD4 , AD4/ZR	100	16	130	13	450	193	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		266	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		306	26	130.5	17.5	M16	48	110	10	80	51.5	14
	AD7 , AD7/ZR	125	19	190	13		300	30	133	22	M20	55	110	10	90	59	16
	AD8 , AD8/ZR	120	22.5	210	5		383	19.5	155	13.5	M12	70	140	15	110	74.5	20
P..RF167	AD5 , AD5/ZR	120	24	180	11	550	258	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		298	26	130.5	17.5	M16	48	110	10	80	51.5	14
	AD7 , AD7/ZR	125	19	190	13		292	30	133	22	M20	55	110	10	90	59	16
	AD8 , AD8/ZR	120	22.5	210	5		374	19.5	155	13.5	M12	70	140	15	110	74.5	20

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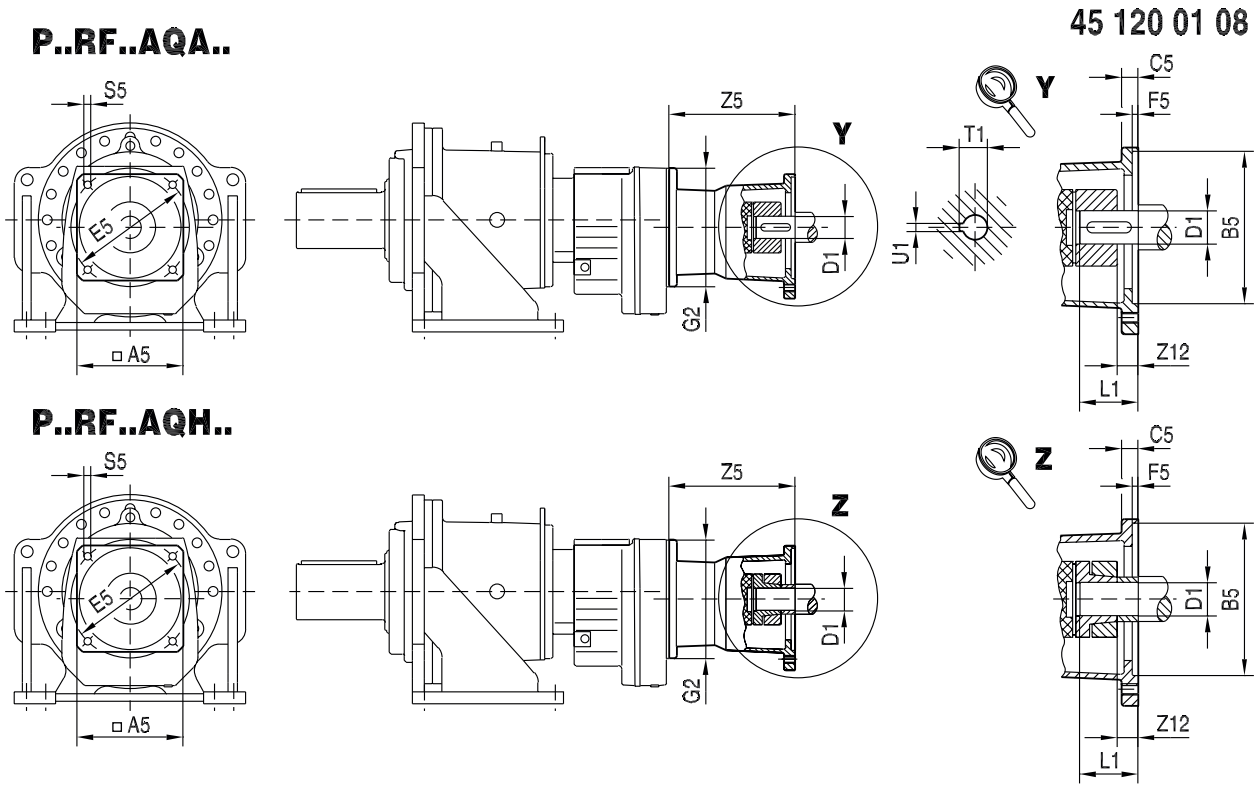
SEW EURODRIVE

10.11 AQA motor adapter



		A5	B5	C5	E5	F5	G2	S5	Z5	AQA Z12	AQH Z12	D1	L1	T1	U1
P..RF77	AQ..80/1	82	60	8	75	3.5	200	M5	92	5.5	5.5	11	23	12.8	4
	AQ..80/2	82	60	8	75	3.5	200	M5	92	5.5	5.5	14	30	16.3	5
	AQ..80/3	82	50	8	95	3	200	M6	92	5.5	5.5	14	30	16.3	5
	AQ..100/1	100	80	10	100	4	200	M6	116	0	0	14	30	16.3	5
	AQ..100/2	100	95	12	115	4	200	M8	116	0	0	14	30	16.3	5
	AQ..100/3	100	80	10	100	4	200	M6	130	2	14	19	40	21.8	6
	AQ..100/4	100	95	12	115	4	200	M8	130	2	14	19	40	21.8	6
	AQ..115/1	115	95	12	130	5	200	M8	139	11	23	19	40	21.8	6
	AQ..115/2	115	110	12	130	5	200	M8	139	11	23	19	40	21.8	6
	AQ..115/3	115	110	12	130	5	200	M8	139	16	16	24	50	27.3	8
	AQ..140/1	140	110	15	165	5	200	M10	167	16	16	24	50	27.3	8
	AQ..140/2	140	130	15	165	5	200	M10	167	16	16	24	50	27.3	8
	AQ..140/3	140	130	15	165	5	200	M10	180	22	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5	200	M12	225.5	24	24	32	60	35.3	10
	AQ..190/2	190	180	16	215	5	200	M12	225.5	24	24	32	60	35.3	10
	AQ..190/3	190	180	16	215	5	200	M12	249.5	34	34	38	80	41.3	10
P..RF87	AQ..100/1	100	80	10	100	4	250	M6	111	0	0	14	30	16.3	5
	AQ..100/2	100	95	12	115	4	250	M8	111	0	0	14	30	16.3	5
	AQ..100/3	100	80	10	100	4	250	M6	125	2	14	19	40	21.8	6
	AQ..100/4	100	95	12	115	4	250	M8	125	2	14	19	40	21.8	6
	AQ..115/1	115	95	12	130	5	250	M8	134	11	23	19	40	21.8	6
	AQ..115/2	115	110	12	130	5	250	M8	134	11	23	19	40	21.8	6
	AQ..115/3	115	110	12	130	5	250	M8	134	16	16	24	50	27.3	8
	AQ..140/1	140	110	15	165	5	250	M10	162	16	16	24	50	27.3	8
	AQ..140/2	140	130	15	165	5	250	M10	162	16	16	24	50	27.3	8
	AQ..140/3	140	130	15	165	5	250	M10	175	22	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5	250	M12	220.5	24	24	32	60	35.3	10
	AQ..190/2	190	180	16	215	5	250	M12	220.5	24	24	32	60	35.3	10
	AQ..190/3	190	180	16	215	5	250	M12	244.5	34	34	38	80	41.3	10

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		A5	B5	C5	E5	F5	G2	S5	Z5	AQA Z12	AQH Z12	D1	L1	T1	AU1
P..RF97	AQ..140/1	140	110	15	165	5	300	M10	157	16	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								170	22	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5		M12	215.5	24	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								239.5	34	34	38	80	41.3	10
P..RF107	AQ..140/1	140	110	15	165	5	350	M10	151	16	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								164	22	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5		M12	209.5	24	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								233.5	34	34	38	80	41.3	10
P..RF137	AQ..190/1	190	130	16	215	5	400	M12	202.5	24	25	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								226.5	34	34	38	80	41.3	10
P..RF147	AQ..190/1	190	130	16	215	5	450	M12	194.5	24	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								218.5	34	34	38	80	41.3	10

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11 P..KF.. bevel planetary gearmotors

11.1 Guide to the dimension sheets

11.1.1 P.. foot-mounted gear units

Size	M_{N2} [Nm]	Dimension sheets / Page number								
		KF67	KF77	KF87	KF97	KF107	KF127	KF157	K167	K187
P002	24 830	318	320	322	324	-	-	-	-	-
P012	36 810	-	326	328	330	332	-	-	-	-
P022	51 190	-	-	334	336	338	-	-	-	-
P032	69 620	-	-	340	342	344	346	-	-	-
P042	100 170	-	-	-	348	350	352	-	-	-
P052	12 4060	-	-	-	354	356	358	-	-	-
P062	185 660	-	-	-	-	360	362	-	-	-
P072	245 660	-	-	-	-	-	364	366	-	-
P082	359 400	-	-	-	-	-	-	368	-	-
P092	423 000	-	-	-	-	-	-	-	370	372
P102	500 000	-	-	-	-	-	-	-	374	376

11.1.2 PF.. flange-mounted gear units

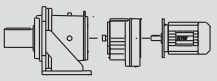
Size	M_{N2} [Nm]	Dimension sheets / Page number								
		KF67	KF77	KF87	KF97	KF107	KF127	KF157	K167	K187
PF002	24 830	319	321	323	325	-	-	-	-	-
PF012	36 810	-	327	329	331	333	-	-	-	-
PF022	51 190	-	-	335	337	339	-	-	-	-
PF032	69 620	-	-	341	343	345	347	-	-	-
PF042	100 170	-	-	-	349	351	353	-	-	-
PF052	124 060	-	-	-	355	357	359	-	-	-
PF062	185 660	-	-	-	-	361	363	-	-	-
PF072	245 660	-	-	-	-	-	365	367	-	-
PF082	359 400	-	-	-	-	-	-	369	-	-
PF092	423 000	-	-	-	-	-	-	-	371	373
PF102	500 000	-	-	-	-	-	-	-	375	377

11.1.3 Motor adapters

	Dimension sheets / Page number							
	KF77	KF87	KF97	KF107	KF127	KF157	K167	K187
Adapter for mounting IEC motors P..KF..AM..	380	380	380	380	381	381	381	381
Adapter for mounting NEMA motors P..KF..AM..	382	382	382	383	383	383	383	383
Input shaft assembly P..KF..AD..	384	384	384	384	384	384	384	384
Motor adapter AQA	385	385	386	386	-	-	-	-

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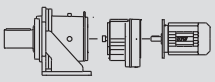
11.2 IE1 motor standard – selection tables

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2} f_{LC}<=7.5	M_{N2} f_{LC}>107.5					m	
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
0.75	**0.35**	20200	4029	156000	46200	36810	**P**	**012KF87**	**DRS**	**80S4**	430	328
							PF	**012KF87**	**DRS**	**80S4**	360	329
							PH	**012KF87**	**DRS**	**80S4**	445	328
							PHF	**012KF87**	**DRS**	**80S4**	375	329
	0.40	17500	3490	156000	46200	36810	**P**	**012KF77**	**DRS**	**80S4**	395	326
	0.46	15300	3063	156000	46200	36810	**PF**	**012KF77**	**DRS**	**80S4**	325	327
							PH	**012KF77**	**DRS**	**80S4**	410	326
							PHF	**012KF77**	**DRS**	**80S4**	340	327
	0.37	19000	3793	124000	29200	24830	**P**	**002KF77**	**DRS**	**80S4**	315	320
							PF	**002KF77**	**DRS**	**80S4**	260	321
							PH	**002KF77**	**DRS**	**80S4**	320	320
							PHF	**002KF77**	**DRS**	**80S4**	260	321
	0.40	17600	3519	124000	-	24830	**P**	**002KF67**	**DRS**	**80S4**	285	318
	0.47	14900	2984	124000	-	24830	**PF**	**002KF67**	**DRS**	**80S4**	225	319
	0.52	13500	2694	124000	-	24830	**PH**	**002KF67**	**DRS**	**80S4**	290	318
	0.59	11800	2371	124000	-	24830	**PHF**	**002KF67**	**DRS**	**80S4**	230	319
	0.63	11200	2238	124000	-	24830						
	0.73	9550	1906	124000	-	24830						
	0.81	8680	1732	124000	-	24830						
	0.93	7520	1500	124000	-	24830						
1.1	**0.35**	29400	4029	197000	-	51190	**P**	**022KF87**	**DRS**	**80M4**	580	334
	0.42	24700	3387	197000	-	51190	**PF**	**022KF87**	**DRS**	**80M4**	480	335
	0.45	22700	3113	197000	-	51190	**PH**	**022KF87**	**DRS**	**80M4**	600	334
							PHF	**022KF87**	**DRS**	**80M4**	495	335
	0.35	29400	4029	156000	46200	36810	**P**	**012KF87**	**DRS**	**80M4**	435	328
	0.51	20100	2764	156000	46200	36810	**PF**	**012KF87**	**DRS**	**80M4**	365	329
							PH	**012KF87**	**DRS**	**80M4**	450	328
							PHF	**012KF87**	**DRS**	**80M4**	380	329
	0.37	27800	3807	156000	46200	36810	**P**	**012KF77**	**DRS**	**80M4**	400	326
	0.40	25400	3490	156000	46200	36810	**PF**	**012KF77**	**DRS**	**80M4**	330	327
	0.46	22300	3063	156000	46200	36810	**PH**	**012KF77**	**DRS**	**80M4**	415	326
	0.55	18500	2540	156000	46200	36810	**PHF**	**012KF77**	**DRS**	**80M4**	345	327
	0.62	16700	2289	156000	46200	36810						
	0.70	14600	2008	156000	46200	36810						
	0.80	12900	1772	156000	46200	36810						
	0.37	27600	3793	113200	29200	24830	**P**	**002KF77**	**DRS**	**80M4**	320	320
	0.46	22200	3051	121300	29200	24830	**PF**	**002KF77**	**DRS**	**80M4**	260	321
	0.49	21100	2891	122800	29200	24830	**PH**	**002KF77**	**DRS**	**80M4**	325	320
							PHF	**002KF77**	**DRS**	**80M4**	265	321
	0.59	17300	2371	124000	-	24830	**P**	**002KF67**	**DRS**	**80M4**	285	318
	0.63	16300	2238	124000	-	24830	**PF**	**002KF67**	**DRS**	**80M4**	230	319
	0.74	13900	1906	124000	-	24830	**PH**	**002KF67**	**DRS**	**80M4**	290	318
	0.81	12600	1732	124000	-	24830	**PHF**	**002KF67**	**DRS**	**80M4**	235	319
	0.94	10900	1500	124000	-	24830						
	1.0	10100	1392	124000	-	24830						
	1.2	8620	1181	124000	-	24830						
	1.3	7780	1066	124000	-	24830						
	1.5	6840	938	124000	-	24830						
1.5	**0.35**	40500	4029	197000	-	51190	**P**	**022KF87**	**DRS**	**90M4**	590	334
	0.41	34000	3387	197000	-	51190	**PF**	**022KF87**	**DRS**	**90M4**	485	335
	0.45	31300	3113	197000	-	51190	**PH**	**022KF87**	**DRS**	**90M4**	600	334
							PHF	**022KF87**	**DRS**	**90M4**	500	335
	0.35	40500	4029	156000	46200	36810	**P**	**012KF87**	**DRS**	**90M4**	440	328
	0.50	27800	2764	156000	46200	36810	**PF**	**012KF87**	**DRS**	**90M4**	370	329
							PH	**012KF87**	**DRS**	**90M4**	455	328
							PHF	**012KF87**	**DRS**	**90M4**	385	329

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
1.5	**0.37**	38300	3807	156000	46200	36810	**P**	**012KF77**	**DRS**	**90M4**		400	326
	0.40	35100	3490	156000	46200	36810	**PF**	**012KF77**	**DRS**	**90M4**		330	327
	0.46	30800	3063	156000	46200	36810	**PH**	**012KF77**	**DRS**	**90M4**		415	326
	0.48	29200	2903	156000	46200	36810	**PHF**	**012KF77**	**DRS**	**90M4**		345	327
	0.55	25500	2540	156000	46200	36810							
	0.61	23000	2289	156000	46200	36810							
	0.69	20200	2008	156000	46200	36810							
	0.79	17800	1772	156000	46200	36810							
	0.48	29100	2891	110800	29200	24830	**P**	**002KF77**	**DRS**	**90M4**		320	320
	0.61	22900	2280	120400	29200	24830	**PF**	**002KF77**	**DRS**	**90M4**		265	321
	0.70	20100	2000	124000	29200	24830	**PH**	**002KF77**	**DRS**	**90M4**		325	320
							PHF	**002KF77**	**DRS**	**90M4**		270	321
	0.81	17400	1732	124000	-	24830	**P**	**002KF67**	**DRS**	**90M4**		290	318
	0.93	15100	1500	124000	-	24830	**PF**	**002KF67**	**DRS**	**90M4**		235	319
	1.0	14000	1392	124000	-	24830	**PH**	**002KF67**	**DRS**	**90M4**		295	318
	1.2	11800	1181	124000	-	24830	**PHF**	**002KF67**	**DRS**	**90M4**		240	319
	1.3	10700	1066	124000	-	24830							
	1.5	9430	938	124000	-	24830							
	1.6	8910	886	124000	-	24830							
	1.8	7580	754	124000	-	24830							
2.2	**0.34**	60600	4124	234200	86800	69620	**P**	**032KF97**	**DRS**	**90L4**		740	342
	0.37	55800	3797	239400	86800	69620	**PF**	**032KF97**	**DRS**	**90L4**		620	343
							PH	**032KF97**	**DRS**	**90L4**		770	342
							PHF	**032KF97**	**DRS**	**90L4**		640	343
	0.35	59200	4029	177600	-	51190	**P**	**022KF87**	**DRS**	**90L4**		590	334
	0.41	49800	3387	192800	-	51190	**PF**	**022KF87**	**DRS**	**90L4**		490	335
	0.45	45700	3113	197000	-	51190	**PH**	**022KF87**	**DRS**	**90L4**		610	334
	0.51	40600	2764	197000	-	51190	**PHF**	**022KF87**	**DRS**	**90L4**		500	335
	0.57	36300	2471	197000	-	51190							
	0.51	40600	2764	156000	46200	36810	**P**	**012KF87**	**DRS**	**90L4**		440	328
	0.63	32600	2222	156000	46200	36810	**PF**	**012KF87**	**DRS**	**90L4**		370	329
	0.73	28300	1929	156000	46200	36810	**PH**	**012KF87**	**DRS**	**90L4**		455	328
	0.81	25400	1727	156000	46200	36810	**PHF**	**012KF87**	**DRS**	**90L4**		385	329
	0.98	21000	1433	156000	46200	36810							
	0.46	45000	3063	156000	46200	36810	**P**	**012KF77**	**DRS**	**90L4**		405	326
	0.48	42600	2903	156000	46200	36810	**PF**	**012KF77**	**DRS**	**90L4**		335	327
	0.55	37300	2540	156000	46200	36810	**PH**	**012KF77**	**DRS**	**90L4**		420	326
	0.61	33600	2289	156000	46200	36810	**PHF**	**012KF77**	**DRS**	**90L4**		350	327
	0.70	29500	2008	156000	46200	36810							
	0.79	26000	1772	156000	46200	36810							
	1.0	20300	1381	156000	46200	36810							
	0.89	23000	1565	120300	29200	24830	**P**	**002KF77**	**DRS**	**90L4**		325	320
	1.0	20200	1376	123900	29200	24830	**PF**	**002KF77**	**DRS**	**90L4**		265	321
							PH	**002KF77**	**DRS**	**90L4**		330	320
							PHF	**002KF77**	**DRS**	**90L4**		270	321
	1.2	17300	1181	124000	-	24830	**P**	**002KF67**	**DRS**	**90L4**		295	318
	1.3	15600	1066	124000	-	24830	**PF**	**002KF67**	**DRS**	**90L4**		235	319
	1.5	13700	938	124000	-	24830	**PH**	**002KF67**	**DRS**	**90L4**		300	318
	1.6	13000	886	124000	-	24830	**PHF**	**002KF67**	**DRS**	**90L4**		240	319
	1.9	11000	754	124000	-	24830							
	2.0	10000	685	124000	-	24830							
	2.4	8720	594	124000	-	24830							
	2.7	7590	517	124000	-	24830							
	2.9	7170	488	124000	-	20200							
3.0	**0.34**	82700	4124	311800	-	100170	**P**	**042KF97**	**DRS**	**100M4**		1000	348
	0.37	76100	3797	317200	-	100170	**PF**	**042KF97**	**DRS**	**100M4**		810	349
	0.41	68000	3394	323000	-	100170	**PH**	**042KF97**	**DRS**	**100M4**		1000	348
							PHF	**042KF97**	**DRS**	**100M4**		810	349
	0.34	82700	4124	204100	86800	69620	**P**	**032KF97**	**DRS**	**100M4**		750	342
	0.37	76100	3797	214200	86800	69620	**PF**	**032KF97**	**DRS**	**100M4**		630	343
	0.51	55500	2767	239800	86800	69620	**PH**	**032KF97**	**DRS**	**100M4**		770	342
							PHF	**032KF97**	**DRS**	**100M4**		650	343

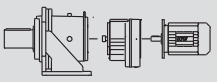
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1)]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
3.0	**0.57**	49500	2471	245600	-	69620	**P**	**032KF87**	**DRS**	**100M4**	670	340
							PF	**032KF87**	**DRS**	**100M4**	550	341
							PH	**032KF87**	**DRS**	**100M4**	700	340
							PHF	**032KF87**	**DRS**	**100M4**	570	341
	0.45	62400	3113	171800	-	51190	**P**	**022KF87**	**DRS**	**100M4**	590	334
	0.51	55400	2764	184200	-	51190	**PF**	**022KF87**	**DRS**	**100M4**	495	335
	0.57	49500	2471	193200	-	51190	**PH**	**022KF87**	**DRS**	**100M4**	610	334
	0.63	44500	2222	197000	-	51190	**PHF**	**022KF87**	**DRS**	**100M4**	510	335
	0.73	38600	1929	197000	-	51190						
	0.63	44500	2222	156000	46200	36810	**P**	**012KF87**	**DRS**	**100M4**	445	328
	0.73	38600	1929	156000	46200	36810	**PF**	**012KF87**	**DRS**	**100M4**	375	329
	0.81	34600	1727	156000	46200	36810	**PH**	**012KF87**	**DRS**	**100M4**	460	328
	0.98	28700	1433	156000	46200	36810	**PHF**	**012KF87**	**DRS**	**100M4**	390	329
	0.61	45900	2289	156000	46200	36810	**P**	**012KF77**	**DRS**	**100M4**	410	326
	0.70	40200	2008	156000	46200	36810	**PF**	**012KF77**	**DRS**	**100M4**	340	327
	1.0	27600	1381	156000	46200	36810	**PH**	**012KF77**	**DRS**	**100M4**	425	326
	1.2	24300	1212	156000	46200	36810	**PHF**	**012KF77**	**DRS**	**100M4**	355	327
	1.2	23000	1148	156000	46200	36810						
	1.4	20100	1005	156000	46200	36810						
	1.6	18100	905	156000	46200	36810						
	1.0	27500	1376	113400	29200	24830	**P**	**002KF77**	**DRS**	**100M4**	330	320
	1.2	24200	1207	118600	29200	24830	**PF**	**002KF77**	**DRS**	**100M4**	270	321
	1.2	22900	1144	120400	29200	24830	**PH**	**002KF77**	**DRS**	**100M4**	335	320
	1.4	20000	1001	124000	29200	24830	**PHF**	**002KF77**	**DRS**	**100M4**	275	321
	1.6	17700	886	124000	-	24830	**P**	**002KF67**	**DRS**	**100M4**	300	318
	1.9	15100	754	124000	-	24830	**PF**	**002KF67**	**DRS**	**100M4**	240	319
	2.0	13700	685	124000	-	24830	**PH**	**002KF67**	**DRS**	**100M4**	305	318
	2.4	11900	594	124000	-	24830	**PHF**	**002KF67**	**DRS**	**100M4**	245	319
	2.7	10300	517	124000	-	24830						
	2.9	9780	488	124000	-	20200						
	3.4	8330	415	124000	-	19100						
	3.7	7570	378	124000	-	18300						
4.0	**0.37**	102400	3952	364000	140600	124060	**P**	**052KF107**	**DRS**	**100LC4**	1260	356
	0.40	92400	3568	364000	140600	124060	**PF**	**052KF107**	**DRS**	**100LC4**	1060	357
							PH	**052KF107**	**DRS**	**100LC4**	1250	356
							PHF	**052KF107**	**DRS**	**100LC4**	1050	357
	0.45	83900	3241	310800	111000	100170	**P**	**042KF107**	**DRS**	**100LC4**	1120	350
							PF	**042KF107**	**DRS**	**100LC4**	930	351
							PH	**042KF107**	**DRS**	**100LC4**	1120	350
							PHF	**042KF107**	**DRS**	**100LC4**	930	351
	0.35	106800	4124	288500	-	100170	**P**	**042KF97**	**DRS**	**100LC4**	1000	348
	0.38	98400	3797	297400	-	100170	**PF**	**042KF97**	**DRS**	**100LC4**	810	349
	0.43	87900	3394	307300	-	100170	**PH**	**042KF97**	**DRS**	**100LC4**	1010	348
	0.52	71700	2767	320600	-	100170	**PHF**	**042KF97**	**DRS**	**100LC4**	820	349
	0.59	63500	2454	323000	111000	100170						
	0.52	72200	2767	219800	86800	69620	**P**	**032KF97**	**DRS**	**112M4**	760	342
							PF	**032KF97**	**DRS**	**112M4**	640	343
							PH	**032KF97**	**DRS**	**112M4**	780	342
							PHF	**032KF97**	**DRS**	**112M4**	660	343
	0.52	71700	2767	220500	86800	69620	**P**	**032KF97**	**DRS**	**100LC4**	750	342
	0.65	57400	2218	237700	86800	69620	**PF**	**032KF97**	**DRS**	**100LC4**	630	343
	0.77	48700	1880	246400	86800	69620	**PH**	**032KF97**	**DRS**	**100LC4**	780	342
							PHF	**032KF97**	**DRS**	**100LC4**	650	343
	0.58	64000	2471	230200	-	69620	**P**	**032KF87**	**DRS**	**100LC4**	680	340
							PF	**032KF87**	**DRS**	**100LC4**	560	341
							PH	**032KF87**	**DRS**	**100LC4**	700	340
							PHF	**032KF87**	**DRS**	**100LC4**	580	341
	0.65	57500	2222	180600	-	51190	**P**	**022KF87**	**DRS**	**100LC4**	600	334
	0.75	49900	1929	192600	-	51190	**PF**	**022KF87**	**DRS**	**100LC4**	500	335
	0.84	44700	1727	197000	-	51190	**PH**	**022KF87**	**DRS**	**100LC4**	610	334
	1.0	37100	1433	197000	-	51190	**PHF**	**022KF87**	**DRS**	**100LC4**	510	335
	1.2	31900	1231	197000	-	51190						

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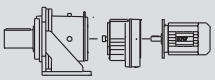
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
4.0	0.83	45000	1727	156000	46200	36810	P	012KF87	DRS	112M4	460	328
	1.0	37300	1433	156000	46200	36810	PF	012KF87	DRS	112M4	390	329
							PH	012KF87	DRS	112M4	475	328
							PHF	012KF87	DRS	112M4	405	329
	0.84	44700	1727	156000	46200	36810	P	012KF87	DRS	100LC4	450	328
	1.0	37100	1433	156000	46200	36810	PF	012KF87	DRS	100LC4	380	329
	1.3	28300	1094	156000	46200	36810	PH	012KF87	DRS	100LC4	465	328
							PHF	012KF87	DRS	100LC4	395	329
	0.82	45900	1772	156000	46200	36810	P	012KF77	DRS	100LC4	415	326
	1.2	31300	1212	156000	46200	36810	PF	012KF77	DRS	100LC4	345	327
	1.3	29700	1148	156000	46200	36810	PH	012KF77	DRS	100LC4	430	326
	1.4	26000	1005	156000	46200	36810	PHF	012KF77	DRS	100LC4	360	327
	1.6	23400	905	156000	46200	36810						
	1.8	20500	794	156000	46200	36810						
	2.1	18100	701	156000	46200	36810						
	2.3	16000	621	156000	46200	36810						
	2.7	13700	530	156000	46200	36810						
	1.4	26100	1001	115700	29200	24830	P	002KF77	DRS	112M4	345	320
							PF	002KF77	DRS	112M4	285	321
							PH	002KF77	DRS	112M4	350	320
							PHF	002KF77	DRS	112M4	290	321
	1.4	25900	1001	116000	29200	24830	P	002KF77	DRS	100LC4	335	320
	1.6	23300	902	119800	29200	24830	PF	002KF77	DRS	100LC4	275	321
	1.8	20400	791	123500	29200	24830	PH	002KF77	DRS	100LC4	340	320
	2.1	18000	698	124000	29200	24830	PHF	002KF77	DRS	100LC4	280	321
	2.3	16000	619	124000	29200	24830						
	2.8	13300	517	124000	-	24830	P	002KF67	DRS	100LC4	305	318
	3.0	12600	488	124000	-	20200	PF	002KF67	DRS	100LC4	245	319
	3.5	10700	415	124000	-	19100	PH	002KF67	DRS	100LC4	310	318
	3.8	9780	378	124000	-	18300	PHF	002KF67	DRS	100LC4	250	319
	4.4	8470	327	124000	-	16800						
	5.1	7370	284	124000	-	16000						
5.5	0.40	127100	3568	473000	-	185660	P	062KF107	DRS	132S4	1760	360
	0.45	115400	3241	473000	-	185660	PF	062KF107	DRS	132S4	1390	361
							PH	062KF107	DRS	132S4	1750	360
							PHF	062KF107	DRS	132S4	1380	361
	0.37	140800	3952	341700	140600	124060	P	052KF107	DRS	132S4	1270	356
	0.40	127100	3568	353800	140600	124060	PF	052KF107	DRS	132S4	1070	357
	0.50	102400	2876	364000	140600	124060	PH	052KF107	DRS	132S4	1260	356
	0.55	92900	2610	364000	140600	124060	PHF	052KF107	DRS	132S4	1060	357
	0.45	115400	3241	278600	111000	100170	P	042KF107	DRS	132S4	1130	350
	0.64	79900	2243	314200	111000	100170	PF	042KF107	DRS	132S4	940	351
	0.74	69700	1958	322000	111000	100170	PH	042KF107	DRS	132S4	1130	350
							PHF	042KF107	DRS	132S4	940	351
	0.52	98500	2767	297200	-	100170	P	042KF97	DRS	132S4	1010	348
	0.59	87400	2454	307700	111000	100170	PF	042KF97	DRS	132S4	820	349
	0.77	66900	1880	323000	111000	100170	PH	042KF97	DRS	132S4	1020	348
							PHF	042KF97	DRS	132S4	830	349
	0.65	79000	2218	209900	86800	69620	P	032KF97	DRS	132S4	770	342
	0.77	66900	1880	226600	86800	69620	PF	032KF97	DRS	132S4	650	343
	0.88	58500	1643	236600	86800	69620	PH	032KF97	DRS	132S4	790	342
	0.96	53500	1503	241800	86800	69620	PHF	032KF97	DRS	132S4	670	343
	1.2	43800	1231	250700	-	69620	P	032KF87	DRS	132S4	690	340
							PF	032KF87	DRS	132S4	570	341
							PH	032KF87	DRS	132S4	710	340
							PHF	032KF87	DRS	132S4	590	341
	0.84	61500	1727	173500	-	51190	P	022KF87	DRS	132S4	610	334
	1.0	51000	1433	191000	-	51190	PF	022KF87	DRS	132S4	510	335
	1.2	43800	1231	197000	-	51190	PH	022KF87	DRS	132S4	630	334
	1.3	38900	1094	197000	-	51190	PHF	022KF87	DRS	132S4	530	335
	1.5	34800	978	197000	-	51190						
	1.6	31300	879	197000	-	51190						

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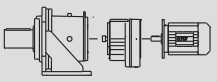
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
5.5	1.3	38900	1094	156000	46200	36810	P	012KF87	DRS	132S4		465	328
	1.9	27100	763	156000	46200	36810	PF	012KF87	DRS	132S4		395	329
							PH	012KF87	DRS	132S4		480	328
							PHF	012KF87	DRS	132S4		410	329
	1.2	43100	1212	156000	46200	36810	P	012KF77	DRS	132S4		430	326
	1.3	40900	1148	156000	46200	36810	PF	012KF77	DRS	132S4		360	327
	1.4	35800	1005	156000	46200	36810	PH	012KF77	DRS	132S4		440	326
	1.6	32200	905	156000	46200	36810	PHF	012KF77	DRS	132S4		370	327
	1.8	28200	794	156000	46200	36810							
	2.1	24900	701	156000	46200	36810							
	2.3	22100	621	156000	46200	36810							
	2.7	18900	530	156000	46200	36810							
	3.4	15100	425	156000	-	36810							
	1.8	28100	791	112400	29200	24830	P	002KF77	DRS	132S4		350	320
	2.3	22000	619	121600	29200	24830	PF	002KF77	DRS	132S4		290	321
	2.7	18800	528	124000	29200	24830	PH	002KF77	DRS	132S4		350	320
	3.0	17200	483	124000	29200	24830	PHF	002KF77	DRS	132S4		295	321
	3.4	15000	424	124000	29200	24830							
	3.9	13300	374	124000	29200	24830							
	4.4	11800	331	124000	29200	24830							
	5.5	9400	264	124000	-	24830							
	6.0	8590	241	123700	-	19100							
	6.8	7530	212	118900	-	18900							
	7.7	6650	187	114500	-	17900							
	8.7	5890	166	110500	-	17000							
	10	5030	141	105400	-	15600							
7.5	0.42	166300	3425	523000	274600	245660	P	072KF127	DRS	132M4		2390	364
	0.53	131200	2703	523000	274600	245660	PF	072KF127	DRS	132M4		1900	365
	0.61	115800	2385	523000	274600	245660	PH	072KF127	DRS	132M4		2450	364
							PHF	072KF127	DRS	132M4		1960	365
	0.33	210000	4322	419000	209100	185660	P	062KF127	DRS	132M4		1970	362
	0.59	119300	2456	473000	209100	185660	PF	062KF127	DRS	132M4		1610	363
	0.68	103000	2121	473000	209100	185660	PH	062KF127	DRS	132M4		1960	362
	0.77	91100	1876	473000	209100	185660	PHF	062KF127	DRS	132M4		1600	363
	0.40	173300	3568	447700	-	185660	P	062KF107	DRS	132M4		1770	360
	0.45	157400	3241	458400	-	185660	PF	062KF107	DRS	132M4		1410	361
	0.64	108900	2243	473000	-	185660	PH	062KF107	DRS	132M4		1760	360
	0.87	80600	1661	473000	-	185660	PHF	062KF107	DRS	132M4		1390	361
	0.50	139700	2876	342700	140600	124060	P	052KF107	DRS	132M4		1290	356
	0.55	126700	2610	354100	140600	124060	PF	052KF107	DRS	132M4		1090	357
	0.74	95100	1958	364000	140600	124060	PH	052KF107	DRS	132M4		1280	356
	1.0	70500	1452	364000	140600	124060	PHF	052KF107	DRS	132M4		1080	357
	1.3	53100	1095	364000	140600	124060	P	052KF97	DRS	132M4		1170	354
	1.5	47100	971	364000	140600	124060	PF	052KF97	DRS	132M4		970	355
							PH	052KF97	DRS	132M4		1160	354
							PHF	052KF97	DRS	132M4		960	355
	0.64	108900	2243	286200	111000	100170	P	042KF107	DRS	132M4		1140	350
	0.74	95100	1958	300600	111000	100170	PF	042KF107	DRS	132M4		950	351
	1.0	70500	1452	321500	111000	100170	PH	042KF107	DRS	132M4		1140	350
	1.3	55200	1138	323000	111000	100170	PHF	042KF107	DRS	132M4		950	351
	0.77	91300	1880	304200	111000	100170	P	042KF97	DRS	132M4		1030	348
	1.2	58700	1209	323000	111000	100170	PF	042KF97	DRS	132M4		840	349
	1.5	47100	971	323000	111000	100170	PH	042KF97	DRS	132M4		1030	348
	1.6	42600	878	323000	111000	100170	PHF	042KF97	DRS	132M4		840	349
	0.88	79800	1643	208800	86800	69620	P	032KF97	DRS	132M4		780	342
	0.96	72900	1503	218800	86800	69620	PF	032KF97	DRS	132M4		660	343
	1.5	47100	971	247800	86800	69620	PH	032KF97	DRS	132M4		800	342
	1.6	42600	878	251700	86800	69620	PHF	032KF97	DRS	132M4		680	343
	1.9	36100	744	252000	86800	69620							
	2.2	31500	650	252000	86800	69620							
	1.2	59800	1231	235100	-	69620	P	032KF87	DRS	132M4		710	340
	1.9	37000	763	252000	-	69620	PF	032KF87	DRS	132M4		590	341
	2.1	33100	683	252000	-	69620	PH	032KF87	DRS	132M4		730	340
	2.3	30400	628	252000	-	69200	PHF	032KF87	DRS	132M4		610	341
	2.6	27500	567	252000	-	69620							

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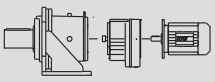
SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
7.5	2.7	26300	543	197000	64200	51190	P	022KF97	DRS	132M4		700	336
	3.1	22800	470	197000	64200	51190	PF	022KF97	DRS	132M4		600	337
							PH	022KF97	DRS	132M4		720	336
							PHF	022KF97	DRS	132M4		610	337
	1.3	53100	1094	187900	-	51190	P	022KF87	DRS	132M4		630	334
	1.5	47400	978	196100	-	51190	PF	022KF87	DRS	132M4		520	335
	1.6	42700	879	197000	-	51190	PH	022KF87	DRS	132M4		640	334
	2.1	33100	683	197000	64200	51190	PHF	022KF87	DRS	132M4		540	335
	2.3	30400	628	197000	-	51190							
	2.9	23900	493	197000	64200	51190							
	3.3	21200	438	197000	64200	51190							
	3.5	19800	408	156000	46200	36810	P	012KF97	DRS	132M4		550	330
	4.2	16500	342	156000	46200	36810	PF	012KF97	DRS	132M4		485	331
	5.2	13500	279	156000	46200	36810	PH	012KF97	DRS	132M4		570	330
							PHF	012KF97	DRS	132M4		495	331
	1.9	37000	763	156000	46200	36810	P	012KF87	DRS	132M4		480	328
	2.9	23900	493	156000	46200	36810	PF	012KF87	DRS	132M4		410	329
	3.7	19000	392	156000	46200	36810	PH	012KF87	DRS	132M4		490	328
	4.4	15800	325	156000	46200	36810	PHF	012KF87	DRS	132M4		420	329
	5.0	14100	291	156000	46200	36810							
	1.6	43900	905	156000	46200	36810	P	012KF77	DRS	132M4		440	326
	1.8	38500	794	156000	46200	36810	PF	012KF77	DRS	132M4		370	327
	2.1	34000	701	156000	46200	36810	PH	012KF77	DRS	132M4		455	326
	2.3	30100	621	156000	46200	36810	PHF	012KF77	DRS	132M4		385	327
	2.7	25700	530	156000	46200	36810							
	2.7	25600	528	116400	29200	24830	P	002KF77	DRS	132M4		360	320
	3.4	20500	424	123400	29200	24830	PF	002KF77	DRS	132M4		305	321
	3.9	18100	374	124000	29200	24830	PH	002KF77	DRS	132M4		365	320
	4.4	16000	331	124000	29200	24830	PHF	002KF77	DRS	132M4		305	321
	5.1	13700	283	124000	29200	24830							
	5.5	12800	264	124000	-	24830							
	6.8	10200	212	118900	-	18900							
	7.7	9070	187	114500	-	17900							
	8.7	8040	166	110500	-	17000							
	10	6860	141	105400	-	15600							
9.2	0.35	247500	4198	523000	274600	245660	P	072KF127	DRS	160S4		2400	364
							PF	072KF127	DRS	160S4		1910	365
							PH	072KF127	DRS	160S4		2460	364
							PHF	072KF127	DRS	160S4		1970	365
	0.35	246600	4198	523000	274600	245660	P	072KF127	DRS	132MC4		2400	364
	0.43	201200	3425	523000	274600	245660	PF	072KF127	DRS	132MC4		1910	365
	0.47	183500	3123	523000	274600	245660	PH	072KF127	DRS	132MC4		2450	364
	0.54	158800	2703	523000	274600	245660	PHF	072KF127	DRS	132MC4		1960	365
	0.61	140100	2385	523000	274600	245660							
	0.41	208000	3526	420700	209100	185660	P	062KF127	DRS	160S4		1980	362
	0.45	189700	3216	435600	209100	185660	PF	062KF127	DRS	160S4		1620	363
							PH	062KF127	DRS	160S4		1970	362
							PHF	062KF127	DRS	160S4		1610	363
	0.42	207300	3526	421300	209100	185660	P	062KF127	DRS	132MC4		1970	362
	0.46	189000	3216	436100	209100	185660	PF	062KF127	DRS	132MC4		1610	363
	0.60	144300	2456	466500	209100	185660	PH	062KF127	DRS	132MC4		1960	362
	0.69	124600	2121	473000	209100	185660	PHF	062KF127	DRS	132MC4		1600	363
	0.78	110200	1876	473000	209100	185660							
	0.51	169000	2876	450700	-	185660	P	062KF107	DRS	132MC4		1770	360
	0.56	153300	2610	461000	-	185660	PF	062KF107	DRS	132MC4		1410	361
	0.65	131800	2243	473000	-	185660	PH	062KF107	DRS	132MC4		1760	360
	0.75	115000	1958	473000	-	185660	PHF	062KF107	DRS	132MC4		1400	361
	0.88	97600	1661	473000	-	185660							
	1.0	85300	1452	473000	-	185660							
	0.65	132300	2243	349400	140600	124060	P	052KF107	DRS	160S4		1300	356
							PF	052KF107	DRS	160S4		1100	357
							PH	052KF107	DRS	160S4		1290	356
							PHF	052KF107	DRS	160S4		1090	357

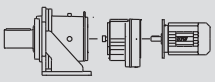
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
9.2	**0.65**	131800	2243	349800	140600	124060	**P**	**052KF107**	**DRS**	**132MC4**	1290	356
	0.75	115000	1958	363400	140600	124060	**PF**	**052KF107**	**DRS**	**132MC4**	1090	357
	1.0	85300	1452	364000	140600	124060	**PH**	**052KF107**	**DRS**	**132MC4**	1280	356
	1.2	72100	1227	364000	140600	124060	**PHF**	**052KF107**	**DRS**	**132MC4**	1080	357
	1.1	78900	1343	364000	140600	124060	**P**	**052KF97**	**DRS**	**132MC4**	1170	354
	1.2	71000	1209	364000	140600	124060	**PF**	**052KF97**	**DRS**	**132MC4**	980	355
							PH	**052KF97**	**DRS**	**132MC4**	1170	354
							PHF	**052KF97**	**DRS**	**132MC4**	970	355
	0.75	115000	1958	279100	111000	100170	**P**	**042KF107**	**DRS**	**132MC4**	1140	350
	0.88	97600	1661	298200	111000	100170	**PF**	**042KF107**	**DRS**	**132MC4**	950	351
	1.0	85300	1452	309600	111000	100170	**PH**	**042KF107**	**DRS**	**132MC4**	1150	350
	1.3	66800	1138	323000	111000	100170	**PHF**	**042KF107**	**DRS**	**132MC4**	960	351
	0.78	110900	1880	284000	111000	100170	**P**	**042KF97**	**DRS**	**160S4**	1040	348
							PF	**042KF97**	**DRS**	**160S4**	850	349
							PH	**042KF97**	**DRS**	**160S4**	1050	348
							PHF	**042KF97**	**DRS**	**160S4**	860	349
	0.78	110500	1880	284400	111000	100170	**P**	**042KF97**	**DRS**	**132MC4**	1030	348
	0.98	88300	1503	307000	111000	100170	**PF**	**042KF97**	**DRS**	**132MC4**	840	349
	1.2	71000	1209	321100	111000	100170	**PH**	**042KF97**	**DRS**	**132MC4**	1030	348
	1.3	64300	1095	323000	111000	100170	**PHF**	**042KF97**	**DRS**	**132MC4**	840	349
	1.5	57000	971	323000	111000	100170						
	1.7	51500	878	323000	111000	100170						
	1.2	71200	1209	221100	86800	69620	**P**	**032KF97**	**DRS**	**160S4**	800	342
							PF	**032KF97**	**DRS**	**160S4**	670	343
							PH	**032KF97**	**DRS**	**160S4**	820	342
							PHF	**032KF97**	**DRS**	**160S4**	700	343
	1.2	71000	1209	221400	86800	69620	**P**	**032KF97**	**DRS**	**132MC4**	780	342
	1.3	64300	1095	229900	86800	69620	**PF**	**032KF97**	**DRS**	**132MC4**	660	343
	1.5	57000	971	238100	86800	69620	**PH**	**032KF97**	**DRS**	**132MC4**	800	342
	1.7	51500	878	243700	86800	69620	**PHF**	**032KF97**	**DRS**	**132MC4**	680	343
	2.0	43700	744	250800	86800	69620						
	2.2	38100	650	252000	86800	69620						
	2.3	36800	628	252000	-	69200	**P**	**032KF87**	**DRS**	**132MC4**	710	340
	2.6	33300	567	252000	-	69620	**PF**	**032KF87**	**DRS**	**132MC4**	590	341
							PH	**032KF87**	**DRS**	**132MC4**	730	340
							PHF	**032KF87**	**DRS**	**132MC4**	610	341
	2.7	31900	543	197000	64200	51190	**P**	**022KF97**	**DRS**	**132MC4**	700	336
	3.1	27600	470	197000	64200	51190	**PF**	**022KF97**	**DRS**	**132MC4**	600	337
							PH	**022KF97**	**DRS**	**132MC4**	720	336
							PHF	**022KF97**	**DRS**	**132MC4**	620	337
	1.5	57400	978	180800	-	51190	**P**	**022KF87**	**DRS**	**132MC4**	630	334
	1.7	51600	879	190100	-	51190	**PF**	**022KF87**	**DRS**	**132MC4**	530	335
	1.9	44800	763	197000	64200	51190	**PH**	**022KF87**	**DRS**	**132MC4**	640	334
	2.1	40100	683	197000	64200	51190	**PHF**	**022KF87**	**DRS**	**132MC4**	540	335
	2.3	36800	628	197000	-	51190						
	3.0	28900	493	197000	64200	51190						
	3.3	25700	438	197000	64200	51190						
	3.6	24000	408	156000	46200	36810	**P**	**012KF97**	**DRS**	**132MC4**	560	330
	4.3	20000	342	156000	46200	36810	**PF**	**012KF97**	**DRS**	**132MC4**	485	331
	5.3	16300	279	156000	46200	36810	**PH**	**012KF97**	**DRS**	**132MC4**	570	330
							PHF	**012KF97**	**DRS**	**132MC4**	500	331
	1.9	44900	763	156000	46200	36810	**P**	**012KF87**	**DRS**	**160S4**	495	328
	2.1	40200	683	156000	46200	36810	**PF**	**012KF87**	**DRS**	**160S4**	425	329
	2.3	37000	628	156000	46200	36810	**PH**	**012KF87**	**DRS**	**160S4**	510	328
							PHF	**012KF87**	**DRS**	**160S4**	435	329
	1.9	44800	763	156000	46200	36810	**P**	**012KF87**	**DRS**	**132MC4**	480	328
	2.1	40100	683	156000	46200	36810	**PF**	**012KF87**	**DRS**	**132MC4**	410	329
	2.3	36800	628	156000	46200	36810	**PH**	**012KF87**	**DRS**	**132MC4**	495	328
	2.6	33300	567	156000	46200	36810	**PHF**	**012KF87**	**DRS**	**132MC4**	425	329
	3.0	28900	493	156000	46200	36810						
	3.3	25700	438	156000	46200	36810						
	3.7	23000	392	156000	46200	36810						
	4.5	19100	325	156000	46200	36810						
	5.0	17000	291	156000	46200	36810						

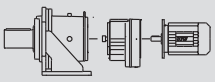
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
9.2	**2.1**	41300	701	156000	46200	36810	**P**	**012KF77**	**DRS**	**160S4**	455	326
							PF	**012KF77**	**DRS**	**160S4**	385	327
							PH	**012KF77**	**DRS**	**160S4**	470	326
							PHF	**012KF77**	**DRS**	**160S4**	400	327
	2.1	41100	701	156000	46200	36810	**P**	**012KF77**	**DRS**	**132MC4**	445	326
							PF	**012KF77**	**DRS**	**132MC4**	375	327
							PH	**012KF77**	**DRS**	**132MC4**	460	326
							PHF	**012KF77**	**DRS**	**132MC4**	390	327
	3.8	22900	391	120300	29200	24830	**P**	**002KF87**	**DRS**	**132MC4**	400	322
	4.5	19000	324	124000	29200	24830	**PF**	**002KF87**	**DRS**	**132MC4**	345	323
	5.2	16500	282	124000	29200	24830	**PH**	**002KF87**	**DRS**	**132MC4**	405	322
	6.0	14400	245	123800	29200	24830	**PHF**	**002KF87**	**DRS**	**132MC4**	345	323
	6.7	12800	218	119500	29200	24830						
	7.5	11400	195	115600	29200	24830						
	9.0	9510	162	109300	29200	24830						
	3.0	28400	483	111900	29200	24830	**P**	**002KF77**	**DRS**	**160S4**	375	320
	3.4	24900	424	117500	29200	24830	**PF**	**002KF77**	**DRS**	**160S4**	320	321
							PH	**002KF77**	**DRS**	**160S4**	380	320
							PHF	**002KF77**	**DRS**	**160S4**	320	321
	3.0	28300	483	112100	29200	24830	**P**	**002KF77**	**DRS**	**132MC4**	365	320
	10	8300	141	104900	-	15600	**PF**	**002KF77**	**DRS**	**132MC4**	305	321
							PH	**002KF77**	**DRS**	**132MC4**	370	320
							PHF	**002KF77**	**DRS**	**132MC4**	310	321
11.0	**0.41**	251700	3570	850000	631300	500000	**P**	**102KF187**	**DRS**	**160M4**	5720	376
							PF	**102KF187**	**DRS**	**160M4**	4760	377
							PH	**102KF187**	**DRS**	**160M4**	5780	376
							PHF	**102KF187**	**DRS**	**160M4**	4820	377
	0.43	239800	3402	850000	631300	500000	**P**	**102KF167**	**DRS**	**160M4**	5090	374
	0.55	185800	2636	850000	631300	500000	**PF**	**102KF167**	**DRS**	**160M4**	4130	375
	0.62	165800	2352	850000	631300	500000	**PH**	**102KF167**	**DRS**	**160M4**	5150	374
	0.73	141300	2005	850000	631300	500000	**PHF**	**102KF167**	**DRS**	**160M4**	4190	375
	0.48	216100	3065	720000	513900	423000	**P**	**092KF167**	**DRS**	**160M4**	4240	370
	0.54	191400	2715	720000	513900	423000	**PF**	**092KF167**	**DRS**	**160M4**	3540	371
	0.61	168000	2383	720000	513900	423000	**PH**	**092KF167**	**DRS**	**160M4**	4250	370
	0.66	155700	2209	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**160M4**	3550	371
	0.72	143200	2031	720000	513900	423000						
	0.83	124600	1767	720000	513900	423000						
	0.39	265200	3761	683000	397100	359400	**P**	**082KF157**	**DRS**	**160M4**	3360	368
	0.42	242500	3440	683000	397100	359400	**PF**	**082KF157**	**DRS**	**160M4**	2710	369
							PH	**082KF157**	**DRS**	**160M4**	3360	368
							PHF	**082KF157**	**DRS**	**160M4**	2700	369
	0.38	269100	3818	522000	274600	245660	**P**	**072KF157**	**DRS**	**160M4**	2700	366
	0.48	214200	3038	523000	274600	245660	**PF**	**072KF157**	**DRS**	**160M4**	2210	367
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	0.43	241400	3425	523000	274600	245660	**P**	**072KF127**	**DRS**	**160M4**	2410	364
	0.47	220100	3123	523000	274600	245660	**PF**	**072KF127**	**DRS**	**160M4**	1920	365
	0.54	190500	2703	523000	274600	245660	**PH**	**072KF127**	**DRS**	**160M4**	2470	364
	0.61	168100	2385	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**160M4**	1970	365
	0.45	226800	3216	403600	209100	185660	**P**	**062KF127**	**DRS**	**160M4**	1990	362
	0.52	196300	2783	430400	209100	185660	**PF**	**062KF127**	**DRS**	**160M4**	1630	363
	0.59	173200	2456	447800	209100	185660	**PH**	**062KF127**	**DRS**	**160M4**	1980	362
	0.69	149500	2121	463300	209100	185660	**PHF**	**062KF127**	**DRS**	**160M4**	1610	363
	0.78	132300	1876	473000	209100	185660						
	0.65	158100	2243	457900	-	185660	**P**	**062KF107**	**DRS**	**160M4**	1790	360
	0.75	138000	1958	470200	-	185660	**PF**	**062KF107**	**DRS**	**160M4**	1430	361
	0.88	117100	1661	473000	-	185660	**PH**	**062KF107**	**DRS**	**160M4**	1780	360
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	1.0	102300	1452	364000	140600	124060	**PF**	**052KF107**	**DRS**	**160M4**	1110	357
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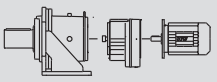
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	0.97	105900	1503	289500	111000	100170	P	042KF97	DRS	160M4	1050	348
	1.2	85200	1209	309700	111000	100170	PF	042KF97	DRS	160M4	860	349
	1.5	68400	971	323000	111000	100170	PH	042KF97	DRS	160M4	1060	348
	1.7	61800	878	323000	111000	100170	PHF	042KF97	DRS	160M4	870	349
	1.2	85200	1209	200000	86800	69620	P	032KF97	DRS	160M4	800	342
	1.3	77100	1095	212700	86800	69620	PF	032KF97	DRS	160M4	680	343
	1.5	68400	971	224800	86800	69620	PH	032KF97	DRS	160M4	830	342
	1.7	61800	878	232800	86800	69620	PHF	032KF97	DRS	160M4	700	343
	2.0	52400	744	242800	86800	69620						
	2.2	45800	650	249000	86800	69620						
	2.7	38300	543	197000	64200	51190	P	022KF97	DRS	160M4	720	336
	3.1	33100	470	197000	64200	51190	PF	022KF97	DRS	160M4	620	337
							PH	022KF97	DRS	160M4	740	336
							PHF	022KF97	DRS	160M4	640	337
	1.9	53800	763	186800	64200	51190	P	022KF87	DRS	160M4	650	334
	2.1	48100	683	195200	64200	51190	PF	022KF87	DRS	160M4	550	335
	2.3	44200	628	197000	-	51190	PH	022KF87	DRS	160M4	660	334
	2.6	39900	567	197000	64200	51190	PHF	022KF87	DRS	160M4	560	335
	3.0	34700	493	197000	64200	51190						
	3.3	30800	438	197000	64200	51190						
	3.7	27600	392	197000	-	51190						
	3.6	28800	408	156000	46200	36810	P	012KF97	DRS	160M4	580	330
	4.3	24000	342	156000	46200	36810	PF	012KF97	DRS	160M4	510	331
	5.2	19600	279	156000	46200	36810	PH	012KF97	DRS	160M4	590	330
							PHF	012KF97	DRS	160M4	520	331
	2.3	44200	628	156000	46200	36810	P	012KF87	DRS	160M4	500	328
	2.6	39900	567	156000	46200	36810	PF	012KF87	DRS	160M4	430	329
	3.0	34700	493	156000	46200	36810	PH	012KF87	DRS	160M4	520	328
	3.3	30800	438	156000	46200	36810	PHF	012KF87	DRS	160M4	445	329
	3.7	27600	392	156000	46200	36810						
	4.5	22900	325	156000	46200	36810						
	5.2	19900	283	156000	46200	36810						
	6.5	15800	225	149100	-	29500						
	2.4	43800	621	156000	46200	36810	P	012KF77	DRS	160M4	465	326
	2.8	37400	530	156000	46200	36810	PF	012KF77	DRS	160M4	395	327
							PH	012KF77	DRS	160M4	480	326
							PHF	012KF77	DRS	160M4	410	327
	3.7	27500	391	113500	29200	24830	P	002KF87	DRS	160M4	420	322
	4.5	22800	324	120500	29200	24830	PF	002KF87	DRS	160M4	365	323
	5.2	19800	282	124000	29200	24830	PH	002KF87	DRS	160M4	425	322
	7.5	13700	195	115700	29200	24830	PHF	002KF87	DRS	160M4	370	323
	9.0	11400	162	109400	29200	24830						
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15.0	0.41	340900	3570	850000	631300	500000	P	102KF187	DRS	160MC4	5720	376
	0.51	274000	2870	850000	631300	500000	PF	102KF187	DRS	160MC4	4770	377
							PH	102KF187	DRS	160MC4	5780	376
							PHF	102KF187	DRS	160MC4	4830	377
	0.63	224600	2352	850000	631300	500000	P	102KF167	DRS	160MC4	5090	374
	0.73	191400	2005	850000	631300	500000	PF	102KF167	DRS	160MC4	4140	375
							PH	102KF167	DRS	160MC4	5160	374
							PHF	102KF167	DRS	160MC4	4200	375
	0.41	345400	3617	720000	513900	423000	P	092KF187	DRS	160MC4	4870	372
	0.51	277700	2908	720000	513900	423000	PF	092KF187	DRS	160MC4	4170	373
	0.56	249000	2608	720000	513900	423000	PH	092KF187	DRS	160MC4	4880	372
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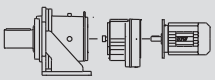
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					f_{LC}<=7.5	f_{LC}>107.5							
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	0.72	193900	2031	720000	513900	423000	**PF**	**092KF167**	**DRS**	**160MC4**		3540	371
	0.83	168700	1767	720000	513900	423000	**PH**	**092KF167**	**DRS**	**160MC4**		4250	370
	1.2	120800	1265	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**160MC4**		3560	371
	1.2	116600	1221	720000	513900	423000							
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	0.39	361700	3761	652400	397100	359400	**P**	**082KF157**	**DRS**	**180S4**		3390	368
							PF	**082KF157**	**DRS**	**180S4**		2740	369
							PH	**082KF157**	**DRS**	**180S4**		3390	368
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	0.39	359200	3761	654600	397100	359400	**P**	**082KF157**	**DRS**	**160MC4**		3370	368
	0.43	328500	3440	679800	397100	359400	**PF**	**082KF157**	**DRS**	**160MC4**		2720	369
	0.64	218700	2290	683000	397100	359400	**PH**	**082KF157**	**DRS**	**160MC4**		3360	368
	0.72	194500	2038	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**160MC4**		2710	369
	0.48	290100	3038	498400	274600	245660	**P**	**072KF157**	**DRS**	**160MC4**		2710	366
							PF	**072KF157**	**DRS**	**160MC4**		2220	367
							PH	**072KF157**	**DRS**	**160MC4**		2760	366
							PHF	**072KF157**	**DRS**	**160MC4**		2270	367
	0.54	259800	2703	523000	274600	245660	**P**	**072KF127**	**DRS**	**180S4**		2440	364
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	0.54	258000	2703	523000	274600	245660	**P**	**072KF127**	**DRS**	**160MC4**		2420	364
	0.62	227700	2385	523000	274600	245660	**PF**	**072KF127**	**DRS**	**160MC4**		1930	365
	0.71	196600	2060	523000	274600	245660	**PH**	**072KF127**	**DRS**	**160MC4**		2470	364
	0.81	173900	1822	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**160MC4**		1980	365
	0.96	146100	1531	523000	274600	245660							
	1.1	131800	1381	523000	274600	245660							
	0.69	203900	2121	424100	209100	185660	**P**	**062KF127**	**DRS**	**180S4**		2020	362
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							PH	**062KF127**	**DRS**	**180S4**		2010	362
							PHF	**062KF127**	**DRS**	**180S4**		1650	363
	0.69	202600	2121	425300	209100	185660	**P**	**062KF127**	**DRS**	**160MC4**		1990	362
	0.78	179200	1876	443500	209100	185660	**PF**	**062KF127**	**DRS**	**160MC4**		1630	363
	0.93	150600	1577	462700	209100	185660	**PH**	**062KF127**	**DRS**	**160MC4**		1980	362
	1.0	135800	1422	471500	209100	185660	**PHF**	**062KF127**	**DRS**	**160MC4**		1620	363
	1.2	117500	1231	473000	209100	185660							
	0.89	158600	1661	457600	-	185660	**P**	**062KF107**	**DRS**	**160MC4**		1800	360
	1.0	138600	1452	469800	-	185660	**PF**	**062KF107**	**DRS**	**160MC4**		1440	361
	1.2	117200	1227	473000	209100	185660	**PH**	**062KF107**	**DRS**	**160MC4**		1790	360
	1.3	108600	1138	473000	209100	185660	**PHF**	**062KF107**	**DRS**	**160MC4**		1420	361
	1.4	98500	1033	473000	209100	185660							
	1.0	139500	1452	342800	140600	124060	**P**	**052KF107**	**DRS**	**180S4**		1340	356
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							PH	**052KF107**	**DRS**	**180S4**		1340	356
							PHF	**052KF107**	**DRS**	**180S4**		1140	357
	1.0	138600	1452	343700	140600	124060	**P**	**052KF107**	**DRS**	**160MC4**		1320	356
	1.2	117200	1227	361800	140600	124060	**PF**	**052KF107**	**DRS**	**160MC4**		1120	357
	1.4	98500	1033	364000	140600	124060	**PH**	**052KF107**	**DRS**	**160MC4**		1310	356
	1.7	84700	887	364000	140600	124060	**PHF**	**052KF107**	**DRS**	**160MC4**		1110	357
	1.9	73900	774	364000	140600	124060							
	1.1	129100	1343	352100	140600	124060	**P**	**052KF97**	**DRS**	**180S4**		1230	354
							PF	**052KF97**	**DRS**	**180S4**		1030	355
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	1.3	109300	1138	285700	111000	100170	**P**	**042KF107**	**DRS**	**180S4**		1200	350
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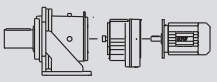
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
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	1.3	105200	1095	290300	111000	100170	**P**	**042KF97**	**DRS**	**180S4**		1080	348
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							PHF	**042KF97**	**DRS**	**180S4**		900	349
	1.3	104500	1095	291000	111000	100170	**P**	**042KF97**	**DRS**	**160MC4**		1060	348
	1.5	92700	971	302900	111000	100170	**PF**	**042KF97**	**DRS**	**160MC4**		870	349
	1.7	83800	878	310900	111000	100170	**PH**	**042KF97**	**DRS**	**160MC4**		1060	348
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	2.3	62000	650	323000	111000	100170							
	2.7	51800	543	323000	111000	100170							
	1.7	84300	878	201400	86800	69620	**P**	**032KF97**	**DRS**	**180S4**		840	342
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							PH	**032KF97**	**DRS**	**180S4**		860	342
							PHF	**032KF97**	**DRS**	**180S4**		740	343
	1.7	83800	878	202400	86800	69620	**P**	**032KF97**	**DRS**	**160MC4**		810	342
	2.0	71000	744	221400	86800	69620	**PF**	**032KF97**	**DRS**	**160MC4**		690	343
	2.3	62000	650	232600	86800	69620	**PH**	**032KF97**	**DRS**	**160MC4**		830	342
	2.7	51800	543	243400	86800	69620	**PHF**	**032KF97**	**DRS**	**160MC4**		710	343
	3.1	44900	470	249800	86800	69620							
	3.6	39000	408	252000	-	69620							
	2.7	52200	543	189200	64200	51190	**P**	**022KF97**	**DRS**	**180S4**		760	336
							PF	**022KF97**	**DRS**	**180S4**		660	337
							PH	**022KF97**	**DRS**	**180S4**		770	336
							PHF	**022KF97**	**DRS**	**180S4**		670	337
	2.7	51800	543	189800	64200	51190	**P**	**022KF97**	**DRS**	**160MC4**		730	336
	3.1	44900	470	197000	64200	51190	**PF**	**022KF97**	**DRS**	**160MC4**		630	337
	3.6	39000	408	197000	64200	51190	**PH**	**022KF97**	**DRS**	**160MC4**		740	336
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	5.3	26600	279	197000	64200	51190							
	6.1	23000	241	197000	64200	51190							
	2.6	54500	567	185700	64200	51190	**P**	**022KF87**	**DRS**	**180S4**		680	334
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							PH	**022KF87**	**DRS**	**180S4**		700	334
							PHF	**022KF87**	**DRS**	**180S4**		600	335
	2.6	54100	567	186300	64200	51190	**P**	**022KF87**	**DRS**	**160MC4**		650	334
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							PH	**022KF87**	**DRS**	**160MC4**		670	334
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							PH	**012KF97**	**DRS**	**180S4**		620	330
							PHF	**012KF97**	**DRS**	**180S4**		550	331
	3.6	39000	408	156000	46200	36810	**P**	**012KF97**	**DRS**	**160MC4**		580	330
	4.3	32600	342	156000	46200	36810	**PF**	**012KF97**	**DRS**	**160MC4**		510	331
	5.3	26600	279	156000	46200	36810	**PH**	**012KF97**	**DRS**	**160MC4**		600	330
	6.1	23000	241	152000	46200	36810	**PHF**	**012KF97**	**DRS**	**160MC4**		530	331
	7.0	19900	209	145700	46200	36810							
	8.4	16700	175	138100	46200	36810							
	3.3	42100	438	156000	46200	36810	**P**	**012KF87**	**DRS**	**180S4**		530	328
	3.7	37700	392	156000	46200	36810	**PF**	**012KF87**	**DRS**	**180S4**		465	329
							PH	**012KF87**	**DRS**	**180S4**		550	328
							PHF	**012KF87**	**DRS**	**180S4**		480	329
	3.4	41800	438	156000	46200	36810	**P**	**012KF87**	**DRS**	**160MC4**		510	328
	3.8	37400	392	156000	46200	36810	**PF**	**012KF87**	**DRS**	**160MC4**		435	329
							PH	**012KF87**	**DRS**	**160MC4**		520	328
							PHF	**012KF87**	**DRS**	**160MC4**		450	329
	6.3	22300	234	121200	29200	24830	**P**	**002KF97**	**DRS**	**160MC4**		500	324
	7.2	19400	203	116900	29200	24830	**PF**	**002KF97**	**DRS**	**160MC4**		445	325
							PH	**002KF97**	**DRS**	**160MC4**		510	324
							PHF	**002KF97**	**DRS**	**160MC4**		450	325

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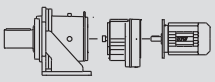
SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
15.0	**5.2**	27100	282	114100	29200	24830	**P**	**002KF87**	**DRS**	**180S4**	455	322
							PF	**002KF87**	**DRS**	**180S4**	395	323
							PH	**002KF87**	**DRS**	**180S4**	460	322
							PHF	**002KF87**	**DRS**	**180S4**	400	323
	5.2	26900	282	114400	29200	24830	**P**	**002KF87**	**DRS**	**160MC4**	425	322
	9.1	15400	162	109200	29200	24830	**PF**	**002KF87**	**DRS**	**160MC4**	370	323
	10	13400	141	104700	29200	24800	**PH**	**002KF87**	**DRS**	**160MC4**	430	322
							PHF	**002KF87**	**DRS**	**160MC4**	375	323
	5.2	27000	283	114300	29200	24830	**P**	**002KF77**	**DRS**	**160MC4**	390	320
							PF	**002KF77**	**DRS**	**160MC4**	330	321
							PH	**002KF77**	**DRS**	**160MC4**	395	320
							PHF	**002KF77**	**DRS**	**160MC4**	335	321
18.5	**0.41**	421900	3570	850000	631300	500000	**P**	**102KF187**	**DRS**	**180M4**	5770	376
	0.51	339100	2870	850000	631300	500000	**PF**	**102KF187**	**DRS**	**180M4**	4810	377
	0.57	304200	2574	850000	631300	500000	**PH**	**102KF187**	**DRS**	**180M4**	5830	376
	0.66	264100	2235	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**180M4**	4870	377
	0.73	236900	2005	850000	631300	500000	**P**	**102KF167**	**DRS**	**180M4**	5140	374
	0.88	196300	1661	850000	631300	500000	**PF**	**102KF167**	**DRS**	**180M4**	4180	375
	1.2	147500	1249	850000	631300	500000	**PH**	**102KF167**	**DRS**	**180M4**	5200	374
	1.3	131600	1114	850000	631300	500000	**PHF**	**102KF167**	**DRS**	**180M4**	4240	375
	0.40	427500	3617	720000	513900	423000	**P**	**092KF187**	**DRS**	**180M4**	4910	372
	0.50	343600	2908	720000	513900	423000	**PF**	**092KF187**	**DRS**	**180M4**	4220	373
	0.56	308200	2608	720000	513900	423000	**PH**	**092KF187**	**DRS**	**180M4**	4920	372
	0.65	267600	2264	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**180M4**	4230	373
	0.71	242800	2054	720000	513900	423000						
	0.83	208800	1767	720000	513900	423000	**P**	**092KF167**	**DRS**	**180M4**	4280	370
	0.87	198900	1683	720000	513900	423000	**PF**	**092KF167**	**DRS**	**180M4**	3580	371
	1.2	149500	1265	720000	513900	423000	**PH**	**092KF167**	**DRS**	**180M4**	4300	370
	1.2	144300	1221	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**180M4**	3600	371
	1.3	133400	1129	720000	513900	423000						
	1.4	123000	1041	720000	513900	423000						
	1.5	113700	962	720000	513900	423000						
	0.43	406500	3440	608800	397100	359400	**P**	**082KF157**	**DRS**	**180M4**	3410	368
	0.49	353700	2993	659500	397100	359400	**PF**	**082KF157**	**DRS**	**180M4**	2760	369
	0.55	312200	2641	683000	397100	359400	**PH**	**082KF157**	**DRS**	**180M4**	3400	368
	0.64	270600	2290	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**180M4**	2750	369
	0.72	240800	2038	683000	397100	359400						
	0.63	274600	2325	516000	274600	245660	**P**	**072KF157**	**DRS**	**180M4**	2750	366
							PF	**072KF157**	**DRS**	**180M4**	2260	367
							PH	**072KF157**	**DRS**	**180M4**	2800	366
							PHF	**072KF157**	**DRS**	**180M4**	2310	367
	0.71	243300	2060	523000	274600	245660	**P**	**072KF127**	**DRS**	**180M4**	2460	364
	0.80	215200	1822	523000	274600	245660	**PF**	**072KF127**	**DRS**	**180M4**	1970	365
	0.96	180900	1531	523000	274600	245660	**PH**	**072KF127**	**DRS**	**180M4**	2510	364
	1.1	163100	1381	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**180M4**	2020	365
	0.78	221700	1876	408500	209100	185660	**P**	**062KF127**	**DRS**	**180M4**	2040	362
	0.93	186300	1577	438100	209100	185660	**PF**	**062KF127**	**DRS**	**180M4**	1670	363
	1.0	168000	1422	451300	209100	185660	**PH**	**062KF127**	**DRS**	**180M4**	2030	362
	1.2	145400	1231	465800	209100	185660	**PHF**	**062KF127**	**DRS**	**180M4**	1660	363
	1.2	145000	1227	466100	209100	185660	**P**	**062KF107**	**DRS**	**180M4**	1840	360
	1.3	134400	1138	472200	209100	185660	**PF**	**062KF107**	**DRS**	**180M4**	1480	361
	1.4	122000	1033	473000	209100	185660	**PH**	**062KF107**	**DRS**	**180M4**	1830	360
							PHF	**062KF107**	**DRS**	**180M4**	1470	361
	1.3	134400	1138	347500	140600	124060	**P**	**052KF107**	**DRS**	**180M4**	1360	356
	1.4	122000	1033	358000	140600	124060	**PF**	**052KF107**	**DRS**	**180M4**	1160	357
	1.6	104800	887	364000	140600	124060	**PH**	**052KF107**	**DRS**	**180M4**	1350	356
	1.9	91500	774	364000	140600	124060	**PHF**	**052KF107**	**DRS**	**180M4**	1150	357

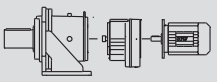
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
18.5	1.3	129300	1095	351900	140600	124060	P	052KF97	DRS	180M4	1240	354
							PF	052KF97	DRS	180M4	1050	355
							PH	052KF97	DRS	180M4	1240	354
							PHF	052KF97	DRS	180M4	1040	355
	1.6	104800	887	290700	111000	100170	P	042KF107	DRS	180M4	1220	350
							PF	042KF107	DRS	180M4	1030	351
							PH	042KF107	DRS	180M4	1220	350
							PHF	042KF107	DRS	180M4	1030	351
	1.7	103700	878	291900	111000	100170	P	042KF97	DRS	180M4	1100	348
	2.0	87900	744	307300	111000	100170	PF	042KF97	DRS	180M4	910	349
	2.2	76700	650	316700	111000	100170	PH	042KF97	DRS	180M4	1100	348
	2.7	64200	543	323000	111000	100170	PHF	042KF97	DRS	180M4	910	349
	2.2	76700	650	213300	86800	69620	P	032KF97	DRS	180M4	850	342
	2.7	64200	543	230000	86800	69620	PF	032KF97	DRS	180M4	730	343
	3.1	55600	470	239700	86800	69620	PH	032KF97	DRS	180M4	870	342
	3.6	48200	408	246800	-	69620	PHF	032KF97	DRS	180M4	750	343
	3.1	55600	470	183900	64200	51190	P	022KF97	DRS	180M4	770	336
	3.6	48200	408	195000	64200	51190	PF	022KF97	DRS	180M4	670	337
	4.3	40300	342	197000	64200	51190	PH	022KF97	DRS	180M4	790	336
	4.4	39300	333	197000	64200	51190	PHF	022KF97	DRS	180M4	690	337
	5.3	32900	279	197000	64200	51190						
	6.1	28500	241	197000	64200	51190						
	3.0	58200	493	179400	64200	51190	P	022KF87	DRS	180M4	700	334
	3.3	51700	438	190000	64200	51190	PF	022KF87	DRS	180M4	600	335
							PH	022KF87	DRS	180M4	710	334
							PHF	022KF87	DRS	180M4	610	335
	4.3	40300	342	156000	46200	36810	P	012KF97	DRS	180M4	630	330
	4.4	39300	333	156000	46200	36810	PF	012KF97	DRS	180M4	560	331
	5.3	32900	279	156000	46200	36810	PH	012KF97	DRS	180M4	640	330
	6.1	28500	241	152200	46200	36810	PHF	012KF97	DRS	180M4	570	331
	7.0	24700	209	145800	46200	36810						
	8.4	20600	175	138200	46200	36810						
	4.5	38400	325	156000	46200	36810	P	012KF87	DRS	180M4	550	328
							PF	012KF87	DRS	180M4	480	329
							PH	012KF87	DRS	180M4	570	328
							PHF	012KF87	DRS	180M4	495	329
	6.3	27600	234	113200	29200	24830	P	002KF97	DRS	180M4	550	324
	7.2	24000	203	117000	29200	24830	PF	002KF97	DRS	180M4	490	325
	8.6	20000	170	110900	29200	24830	PH	002KF97	DRS	180M4	550	324
							PHF	002KF97	DRS	180M4	490	325
	6.0	28900	245	111000	29200	24830	P	002KF87	DRS	180M4	470	322
	6.7	25700	218	116300	29200	24830	PF	002KF87	DRS	180M4	415	323
							PH	002KF87	DRS	180M4	475	322
							PHF	002KF87	DRS	180M4	415	323
22	0.41	501700	3570	850000	631300	500000	P	102KF187	DRS	180L4	5780	376
	0.51	403300	2870	850000	631300	500000	PF	102KF187	DRS	180L4	4820	377
	0.57	361700	2574	850000	631300	500000	PH	102KF187	DRS	180L4	5840	376
	0.66	314100	2235	850000	631300	500000	PHF	102KF187	DRS	180L4	4880	377
	0.72	284900	2028	850000	631300	500000						
	0.88	233400	1661	850000	631300	500000	P	102KF167	DRS	180L4	5150	374
	1.2	175400	1249	850000	631300	500000	PF	102KF167	DRS	180L4	4190	375
	1.3	156500	1114	850000	631300	500000	PH	102KF167	DRS	180L4	5210	374
	1.5	133400	949	850000	631300	500000	PHF	102KF167	DRS	180L4	4250	375
	0.40	508400	3617	671400	513900	423000	P	092KF187	DRS	180L4	4920	372
	0.50	408700	2908	720000	513900	423000	PF	092KF187	DRS	180L4	4230	373
	0.56	366500	2608	720000	513900	423000	PH	092KF187	DRS	180L4	4940	372
	0.65	318200	2264	720000	513900	423000	PHF	092KF187	DRS	180L4	4240	373
	0.71	288700	2054	720000	513900	423000						
	0.83	248700	1770	720000	513900	423000						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
22	**0.42**	484500	3447	697400	513900	423000	**P**	**092KF167**	**DRS**	**180L4**		4290	370
	0.48	430900	3065	720000	513900	423000	**PF**	**092KF167**	**DRS**	**180L4**		3600	371
	1.2	177800	1265	720000	513900	423000	**PH**	**092KF167**	**DRS**	**180L4**		4310	370
	1.2	171600	1221	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**180L4**		3610	371
	1.3	158600	1129	720000	513900	423000							
	1.4	146300	1041	720000	513900	423000							
	1.5	135200	962	720000	513900	423000							
	1.7	121200	863	720000	513900	423000							
	1.8	112000	797	720000	513900	423000							
	0.55	371200	2641	643700	397100	359400	**P**	**082KF157**	**DRS**	**180L4**		3420	368
	0.64	321800	2290	683000	397100	359400	**PF**	**082KF157**	**DRS**	**180L4**		2770	369
	0.72	286300	2038	683000	397100	359400	**PH**	**082KF157**	**DRS**	**180L4**		3410	368
	0.83	246800	1756	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**180L4**		2760	369
	1.0	200500	1427	683000	397100	359400							
	0.71	290600	2068	497800	274600	245660	**P**	**072KF157**	**DRS**	**180L4**		2760	366
	1.0	203500	1449	523000	274600	245660	**PF**	**072KF157**	**DRS**	**180L4**		2270	367
							PH	**072KF157**	**DRS**	**180L4**		2820	366
							PHF	**072KF157**	**DRS**	**180L4**		2320	367
	0.80	256000	1822	523000	274600	245660	**P**	**072KF127**	**DRS**	**180L4**		2470	364
	1.1	194000	1381	523000	274600	245660	**PF**	**072KF127**	**DRS**	**180L4**		1980	365
	1.2	167900	1195	523000	274600	245660	**PH**	**072KF127**	**DRS**	**180L4**		2520	364
	1.4	148100	1055	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**180L4**		2030	365
	1.6	127900	911	523000	274600	245660							
	0.93	221600	1577	408700	209100	185660	**P**	**062KF127**	**DRS**	**180L4**		2050	362
	1.0	199800	1422	427500	209100	185660	**PF**	**062KF127**	**DRS**	**180L4**		1680	363
	1.2	172900	1231	447900	209100	185660	**PH**	**062KF127**	**DRS**	**180L4**		2040	362
	1.4	152600	1086	461400	209100	185660	**PHF**	**062KF127**	**DRS**	**180L4**		1670	363
	1.6	131800	938	473000	209100	185660							
	1.8	116500	830	473000	209100	185660							
	2.1	97900	697	473000	209100	185660							
	1.3	159800	1138	456800	209100	185660	**P**	**062KF107**	**DRS**	**180L4**		1860	360
	1.4	145000	1033	466100	209100	185660	**PF**	**062KF107**	**DRS**	**180L4**		1490	361
	1.6	124700	887	473000	209100	185660	**PH**	**062KF107**	**DRS**	**180L4**		1840	360
	1.9	108800	774	473000	209100	185660	**PHF**	**062KF107**	**DRS**	**180L4**		1480	361
	2.2	92300	657	473000	209100	185660							
	2.6	80600	574	473000	209100	185660							
	2.6	79100	563	364000	140600	124060	**P**	**052KF127**	**DRS**	**180L4**		1560	358
	2.9	70400	502	364000	140600	124060	**PF**	**052KF127**	**DRS**	**180L4**		1360	359
							PH	**052KF127**	**DRS**	**180L4**		1560	358
							PHF	**052KF127**	**DRS**	**180L4**		1360	359
	1.6	124700	887	355800	140600	124060	**P**	**052KF107**	**DRS**	**180L4**		1370	356
	2.2	92300	657	364000	140600	124060	**PF**	**052KF107**	**DRS**	**180L4**		1170	357
							PH	**052KF107**	**DRS**	**180L4**		1360	356
							PHF	**052KF107**	**DRS**	**180L4**		1160	357
	1.5	136400	971	345700	140600	124060	**P**	**052KF97**	**DRS**	**180L4**		1260	354
	2.7	76300	543	364000	140600	124060	**PF**	**052KF97**	**DRS**	**180L4**		1060	355
	3.1	66100	470	364000	140600	124060	**PH**	**052KF97**	**DRS**	**180L4**		1250	354
							PHF	**052KF97**	**DRS**	**180L4**		1050	355
	3.5	59200	421	323000	111000	100170	**P**	**042KF127**	**DRS**	**180L4**		1420	352
							PF	**042KF127**	**DRS**	**180L4**		1230	353
							PH	**042KF127**	**DRS**	**180L4**		1420	352
							PHF	**042KF127**	**DRS**	**180L4**		1230	353
	1.9	108800	774	286300	111000	100170	**P**	**042KF107**	**DRS**	**180L4**		1230	350
	2.6	80600	574	313500	111000	100170	**PF**	**042KF107**	**DRS**	**180L4**		1040	351
	2.8	74000	527	318800	111000	100170	**PH**	**042KF107**	**DRS**	**180L4**		1230	350
	3.2	64600	460	323000	111000	100170	**PHF**	**042KF107**	**DRS**	**180L4**		1040	351
	3.8	54800	390	321900	111000	100170							
	2.0	104500	744	291000	111000	100170	**P**	**042KF97**	**DRS**	**180L4**		1110	348
	2.2	91300	650	304200	111000	100170	**PF**	**042KF97**	**DRS**	**180L4**		920	349
	3.6	57400	408	323000	-	100170	**PH**	**042KF97**	**DRS**	**180L4**		1120	348
	4.3	48000	342	309400	-	100170	**PHF**	**042KF97**	**DRS**	**180L4**		930	349

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
22	**5.1**	40500	289	238100	86800	69620	**P**	**032KF127**	**DRS**	**180L4**		1170	346
	5.7	36100	257	230000	86800	69620	**PF**	**032KF127**	**DRS**	**180L4**		1050	347
							PH	**032KF127**	**DRS**	**180L4**		1190	346
							PHF	**032KF127**	**DRS**	**180L4**		1070	347
	3.8	54800	390	240500	86800	69620	**P**	**032KF107**	**DRS**	**180L4**		980	344
	4.3	47900	341	247100	86800	69620	**PF**	**032KF107**	**DRS**	**180L4**		860	345
	5.0	41300	294	239500	86800	69620	**PH**	**032KF107**	**DRS**	**180L4**		1000	344
	5.4	37900	270	233500	-	69620	**PHF**	**032KF107**	**DRS**	**180L4**		880	345
	2.7	76300	543	213900	86800	69620	**P**	**032KF97**	**DRS**	**180L4**		860	342
	3.1	66100	470	227700	86800	69620	**PF**	**032KF97**	**DRS**	**180L4**		740	343
	5.3	39100	279	235600	-	69620	**PH**	**032KF97**	**DRS**	**180L4**		890	342
	6.1	33800	241	225700	-	69620	**PHF**	**032KF97**	**DRS**	**180L4**		760	343
	6.2	33100	236	197000	64200	51190	**P**	**022KF107**	**DRS**	**180L4**		900	338
	7.3	28100	200	197000	64200	51190	**PF**	**022KF107**	**DRS**	**180L4**		800	339
	8.4	24500	175	197000	64200	51190	**PH**	**022KF107**	**DRS**	**180L4**		910	338
							PHF	**022KF107**	**DRS**	**180L4**		810	339
	3.6	57400	408	180900	64200	51190	**P**	**022KF97**	**DRS**	**180L4**		780	336
	4.3	48000	342	195400	64200	51190	**PF**	**022KF97**	**DRS**	**180L4**		680	337
	4.4	46800	333	197000	64200	51190	**PH**	**022KF97**	**DRS**	**180L4**		800	336
	5.3	39100	279	197000	64200	51190	**PHF**	**022KF97**	**DRS**	**180L4**		700	337
	7.0	29400	209	197000	-	51190							
	8.4	24600	175	197000	64200	51190							
	3.3	61500	438	173400	64200	51190	**P**	**022KF87**	**DRS**	**180L4**		710	334
							PF	**022KF87**	**DRS**	**180L4**		610	335
							PH	**022KF87**	**DRS**	**180L4**		730	334
							PHF	**022KF87**	**DRS**	**180L4**		620	335
	5.3	39100	279	156000	46200	36810	**P**	**012KF97**	**DRS**	**180L4**		640	330
	6.1	33800	241	152200	46200	36810	**PF**	**012KF97**	**DRS**	**180L4**		570	331
	7.0	29400	209	145800	46200	36810	**PH**	**012KF97**	**DRS**	**180L4**		650	330
	8.4	24600	175	138200	46200	36810	**PHF**	**012KF97**	**DRS**	**180L4**		580	331
	4.5	45700	325	156000	46200	36810	**P**	**012KF87**	**DRS**	**180L4**		560	328
	5.0	40800	291	156000	46200	36810	**PF**	**012KF87**	**DRS**	**180L4**		490	329
	5.2	39700	283	156000	46200	36810	**PH**	**012KF87**	**DRS**	**180L4**		580	328
							PHF	**012KF87**	**DRS**	**180L4**		510	329
	7.2	28500	203	111700	29200	24830	**P**	**002KF97**	**DRS**	**180L4**		560	324
							PF	**002KF97**	**DRS**	**180L4**		500	325
							PH	**002KF97**	**DRS**	**180L4**		560	324
							PHF	**002KF97**	**DRS**	**180L4**		500	325
	7.5	27400	195	113600	29200	24830	**P**	**002KF87**	**DRS**	**180L4**		480	322
							PF	**002KF87**	**DRS**	**180L4**		425	323
							PH	**002KF87**	**DRS**	**180L4**		485	322
							PHF	**002KF87**	**DRS**	**180L4**		430	323
30	**0.51**	546200	2870	850000	631300	500000	**P**	**102KF187**	**DRS**	**200L4**		5890	376
							PF	**102KF187**	**DRS**	**200L4**		4930	377
							PH	**102KF187**	**DRS**	**200L4**		5950	376
							PHF	**102KF187**	**DRS**	**200L4**		4990	377
	0.51	548100	2870	850000	631300	500000	**P**	**102KF187**	**DRS**	**180LC4**		5790	376
	0.57	491600	2574	850000	631300	500000	**PF**	**102KF187**	**DRS**	**180LC4**		4830	377
	0.66	426800	2235	850000	631300	500000	**PH**	**102KF187**	**DRS**	**180LC4**		5850	376
	0.72	387200	2028	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**180LC4**		4890	377
	0.84	333600	1747	850000	631300	500000							
	1.0	280300	1468	850000	631300	500000							
	0.56	503400	2636	850000	631300	500000	**P**	**102KF167**	**DRS**	**180LC4**		5160	374
	1.2	238400	1249	850000	631300	500000	**PF**	**102KF167**	**DRS**	**180LC4**		4200	375
	1.3	212700	1114	850000	631300	500000	**PH**	**102KF167**	**DRS**	**180LC4**		5220	374
	1.6	181300	949	850000	631300	500000	**PHF**	**102KF167**	**DRS**	**180LC4**		4260	375
	1.9	150200	787	850000	631300	500000							
	2.2	128200	671	850000	631300	500000							
	0.57	496500	2608	684600	513900	423000	**P**	**092KF187**	**DRS**	**200L4**		5030	372
	0.65	431000	2264	720000	513900	423000	**PF**	**092KF187**	**DRS**	**200L4**		4340	373
							PH	**092KF187**	**DRS**	**200L4**		5040	372
							PHF	**092KF187**	**DRS**	**200L4**		4350	373

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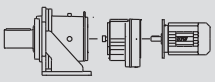
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
30	**0.56**	498100	2608	682800	513900	423000	**P**	**092KF187**	**DRS**	**180LC4**	4940	372
	0.65	432500	2264	720000	513900	423000	**PF**	**092KF187**	**DRS**	**180LC4**	4240	373
	0.72	392400	2054	720000	513900	423000	**PH**	**092KF187**	**DRS**	**180LC4**	4950	372
	0.83	338000	1770	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**180LC4**	4250	373
	0.99	284100	1487	720000	513900	423000						
	1.1	246000	1288	720000	513900	423000						
	0.62	453600	2383	720000	513900	423000	**P**	**092KF167**	**DRS**	**200L4**	4400	370
							PF	**092KF167**	**DRS**	**200L4**	3700	371
							PH	**092KF167**	**DRS**	**200L4**	4420	370
							PHF	**092KF167**	**DRS**	**200L4**	3720	371
	0.62	455100	2383	720000	513900	423000	**P**	**092KF167**	**DRS**	**180LC4**	4300	370
	1.4	198800	1041	720000	513900	423000	**PF**	**092KF167**	**DRS**	**180LC4**	3610	371
	1.5	183700	962	720000	513900	423000	**PH**	**092KF167**	**DRS**	**180LC4**	4320	370
	1.7	164700	863	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**180LC4**	3620	371
	1.8	152200	797	720000	513900	423000						
	2.0	140600	736	720000	513900	423000						
	2.2	129900	680	720000	513900	423000						
	2.3	123800	649	720000	513900	423000						
	2.5	110500	579	720000	513900	423000						
	0.72	387800	2038	627800	397100	359400	**P**	**082KF157**	**DRS**	**200L4**	3530	368
							PF	**082KF157**	**DRS**	**200L4**	2880	369
							PH	**082KF157**	**DRS**	**200L4**	3520	368
							PHF	**082KF157**	**DRS**	**200L4**	2870	369
	0.72	389100	2038	626500	397100	359400	**P**	**082KF157**	**DRS**	**180LC4**	3430	368
	0.84	335400	1756	675000	397100	359400	**PF**	**082KF157**	**DRS**	**180LC4**	2780	369
	1.0	272500	1427	683000	397100	359400	**PH**	**082KF157**	**DRS**	**180LC4**	3420	368
	1.2	224400	1175	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**180LC4**	2770	369
	1.4	198000	1037	683000	397100	359400						
	1.0	276600	1449	513900	274600	245660	**P**	**072KF157**	**DRS**	**180LC4**	2770	366
							PF	**072KF157**	**DRS**	**180LC4**	2280	367
							PH	**072KF157**	**DRS**	**180LC4**	2830	366
							PHF	**072KF157**	**DRS**	**180LC4**	2340	367
	1.1	262700	1381	523000	274600	245660	**P**	**072KF127**	**DRS**	**200L4**	2580	364
							PF	**072KF127**	**DRS**	**200L4**	2090	365
							PH	**072KF127**	**DRS**	**200L4**	2630	364
							PHF	**072KF127**	**DRS**	**200L4**	2140	365
	1.1	263600	1381	523000	274600	245660	**P**	**072KF127**	**DRS**	**180LC4**	2480	364
	1.2	228100	1195	523000	274600	245660	**PF**	**072KF127**	**DRS**	**180LC4**	1990	365
	1.4	201300	1055	523000	274600	245660	**PH**	**072KF127**	**DRS**	**180LC4**	2540	364
	1.6	173800	911	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**180LC4**	2050	365
	1.8	153800	806	523000	274600	245660						
	1.4	206700	1086	421800	209100	185660	**P**	**062KF127**	**DRS**	**200L4**	2160	362
							PF	**062KF127**	**DRS**	**200L4**	1790	363
							PH	**062KF127**	**DRS**	**200L4**	2150	362
							PHF	**062KF127**	**DRS**	**200L4**	1780	363
	1.4	207400	1086	421200	209100	185660	**P**	**062KF127**	**DRS**	**180LC4**	2060	362
	1.6	179100	938	443500	209100	185660	**PF**	**062KF127**	**DRS**	**180LC4**	1700	363
	1.8	158400	830	457700	209100	185660	**PH**	**062KF127**	**DRS**	**180LC4**	2050	362
	2.1	133100	697	472900	209100	185660	**PHF**	**062KF127**	**DRS**	**180LC4**	1690	363
	2.6	107500	563	473000	209100	185660						
	1.4	196500	1033	430200	209100	185660	**P**	**062KF107**	**DRS**	**200L4**	1960	360
							PF	**062KF107**	**DRS**	**200L4**	1600	361
							PH	**062KF107**	**DRS**	**200L4**	1950	360
							PHF	**062KF107**	**DRS**	**200L4**	1590	361

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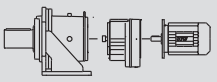
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
30	**1.4**	197100	1033	429700	209100	185660	**P**	**062KF107**	**DRS**	**180LC4**		1870	360
	1.7	169400	887	450400	209100	185660	**PF**	**062KF107**	**DRS**	**180LC4**		1500	361
	1.9	147900	774	464300	209100	185660	**PH**	**062KF107**	**DRS**	**180LC4**		1860	360
							PHF	**062KF107**	**DRS**	**180LC4**		1490	361
	2.6	107500	563	364000	140600	124060	**P**	**052KF127**	**DRS**	**180LC4**		1580	358
	2.9	95800	502	364000	140600	124060	**PF**	**052KF127**	**DRS**	**180LC4**		1380	359
	3.5	80500	421	364000	140600	124060	**PH**	**052KF127**	**DRS**	**180LC4**		1570	358
							PHF	**052KF127**	**DRS**	**180LC4**		1370	359
	2.2	125000	657	355500	140600	124060	**P**	**052KF107**	**DRS**	**200L4**		1480	356
							PF	**052KF107**	**DRS**	**200L4**		1280	357
							PH	**052KF107**	**DRS**	**200L4**		1470	356
							PHF	**052KF107**	**DRS**	**200L4**		1270	357
	2.2	125400	657	355200	140600	124060	**P**	**052KF107**	**DRS**	**180LC4**		1380	356
	3.8	74500	390	364000	140600	124060	**PF**	**052KF107**	**DRS**	**180LC4**		1180	357
							PH	**052KF107**	**DRS**	**180LC4**		1370	356
							PHF	**052KF107**	**DRS**	**180LC4**		1170	357
	3.5	80500	421	313700	111000	100170	**P**	**042KF127**	**DRS**	**180LC4**		1430	352
	4.3	65000	341	308800	111000	100170	**PF**	**042KF127**	**DRS**	**180LC4**		1240	353
							PH	**042KF127**	**DRS**	**180LC4**		1440	352
							PHF	**042KF127**	**DRS**	**180LC4**		1250	353
	2.6	109200	574	285800	111000	100170	**P**	**042KF107**	**DRS**	**200L4**		1330	350
							PF	**042KF107**	**DRS**	**200L4**		1140	351
							PH	**042KF107**	**DRS**	**200L4**		1340	350
							PHF	**042KF107**	**DRS**	**200L4**		1150	351
	2.6	109600	574	285400	111000	100170	**P**	**042KF107**	**DRS**	**180LC4**		1240	350
	2.8	100600	527	295100	111000	100170	**PF**	**042KF107**	**DRS**	**180LC4**		1050	351
	3.2	87800	460	307400	111000	100170	**PH**	**042KF107**	**DRS**	**180LC4**		1240	350
	3.8	74500	390	318500	111000	100170	**PHF**	**042KF107**	**DRS**	**180LC4**		1050	351
	4.3	65100	341	309000	111000	100170							
	2.7	103400	543	292200	111000	100170	**P**	**042KF97**	**DRS**	**200L4**		1220	348
							PF	**042KF97**	**DRS**	**200L4**		1030	349
							PH	**042KF97**	**DRS**	**200L4**		1220	348
							PHF	**042KF97**	**DRS**	**200L4**		1030	349
	2.7	103700	543	291800	111000	100170	**P**	**042KF97**	**DRS**	**180LC4**		1120	348
							PF	**042KF97**	**DRS**	**180LC4**		930	349
							PH	**042KF97**	**DRS**	**180LC4**		1130	348
							PHF	**042KF97**	**DRS**	**180LC4**		940	349
	5.1	55100	289	238000	86800	69620	**P**	**032KF127**	**DRS**	**180LC4**		1180	346
	5.7	49100	257	229800	86800	69620	**PF**	**032KF127**	**DRS**	**180LC4**		1060	347
							PH	**032KF127**	**DRS**	**180LC4**		1210	346
							PHF	**032KF127**	**DRS**	**180LC4**		1090	347
	3.8	74200	390	217000	86800	69620	**P**	**032KF107**	**DRS**	**200L4**		1090	344
							PF	**032KF107**	**DRS**	**200L4**		970	345
							PH	**032KF107**	**DRS**	**200L4**		1110	344
							PHF	**032KF107**	**DRS**	**200L4**		990	345
	3.8	74500	390	216600	86800	69620	**P**	**032KF107**	**DRS**	**180LC4**		990	344
	4.3	65100	341	228900	86800	69620	**PF**	**032KF107**	**DRS**	**180LC4**		870	345
	5.0	56200	294	239000	86800	69620	**PH**	**032KF107**	**DRS**	**180LC4**		1010	344
	5.4	51500	270	233300	-	69620	**PHF**	**032KF107**	**DRS**	**180LC4**		890	345
	6.2	45000	236	223900	-	69620							
	5.3	53200	279	235400	-	69620	**P**	**032KF97**	**DRS**	**180LC4**		880	342
	6.1	46000	241	225400	-	69620	**PF**	**032KF97**	**DRS**	**180LC4**		760	343
	8.4	33400	175	204800	86800	52400	**PH**	**032KF97**	**DRS**	**180LC4**		900	342
							PHF	**032KF97**	**DRS**	**180LC4**		780	343
	6.2	45000	236	197000	64200	51190	**P**	**022KF107**	**DRS**	**180LC4**		910	338
	7.4	38100	200	197000	64200	51190	**PF**	**022KF107**	**DRS**	**180LC4**		810	339
	8.4	33300	175	197000	64200	51190	**PH**	**022KF107**	**DRS**	**180LC4**		930	338
							PHF	**022KF107**	**DRS**	**180LC4**		820	339
	4.4	63300	333	169900	64200	51190	**P**	**022KF97**	**DRS**	**200L4**		890	336
	5.3	53000	279	188000	64200	51190	**PF**	**022KF97**	**DRS**	**200L4**		790	337
							PH	**022KF97**	**DRS**	**200L4**		910	336
							PHF	**022KF97**	**DRS**	**200L4**		810	337

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	📖
30	**4.4**	63600	333	169500	64200	51190	**P**	**022KF97**	**DRS**	**180LC4**	800	336
	5.3	53200	279	187700	64200	51190	**PF**	**022KF97**	**DRS**	**180LC4**	690	337
	6.1	46000	241	197000	64200	51190	**PH**	**022KF97**	**DRS**	**180LC4**	810	336
	8.4	33400	175	197000	64200	51190	**PHF**	**022KF97**	**DRS**	**180LC4**	710	337
	8.4	33300	175	138000	46200	36810	**P**	**012KF107**	**DRS**	**180LC4**	760	332
							PF	**012KF107**	**DRS**	**180LC4**	690	333
							PH	**012KF107**	**DRS**	**180LC4**	780	332
							PHF	**012KF107**	**DRS**	**180LC4**	710	333
	6.1	45900	241	151800	46200	36810	**P**	**012KF97**	**DRS**	**200L4**	740	330
	7.0	39800	209	145500	46200	36810	**PF**	**012KF97**	**DRS**	**200L4**	670	331
							PH	**012KF97**	**DRS**	**200L4**	760	330
							PHF	**012KF97**	**DRS**	**200L4**	690	331
	6.1	46000	241	152000	46200	36810	**P**	**012KF97**	**DRS**	**180LC4**	650	330
	7.0	39900	209	145700	46200	36810	**PF**	**012KF97**	**DRS**	**180LC4**	580	331
	8.4	33400	175	138100	46200	36810	**PH**	**012KF97**	**DRS**	**180LC4**	660	330
							PHF	**012KF97**	**DRS**	**180LC4**	590	331
	10	26800	141	104700	29200	24800	**P**	**002KF87**	**DRS**	**180LC4**	495	322
							PF	**002KF87**	**DRS**	**180LC4**	435	323
							PH	**002KF87**	**DRS**	**180LC4**	495	322
							PHF	**002KF87**	**DRS**	**180LC4**	440	323
37	**0.57**	604200	2574	809400	631300	500000	**P**	**102KF187**	**DRS**	**225S4**	5920	376
	0.66	524600	2235	850000	631300	500000	**PF**	**102KF187**	**DRS**	**225S4**	4960	377
	0.73	476000	2028	850000	631300	500000	**PH**	**102KF187**	**DRS**	**225S4**	5980	376
	0.84	410000	1747	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**225S4**	5020	377
	1.0	344600	1468	850000	631300	500000						
	1.2	298300	1271	850000	631300	500000						
	0.56	618800	2636	797900	631300	500000	**P**	**102KF167**	**DRS**	**225S4**	5290	374
	0.63	552100	2352	847800	631300	500000	**PF**	**102KF167**	**DRS**	**225S4**	4330	375
	1.6	222900	949	850000	631300	500000	**PH**	**102KF167**	**DRS**	**225S4**	5350	374
	1.9	184700	787	850000	631300	500000	**PHF**	**102KF167**	**DRS**	**225S4**	4390	375
	2.2	157600	671	850000	631300	500000						
	0.65	531600	2264	644100	513900	423000	**P**	**092KF187**	**DRS**	**225S4**	5060	372
	0.72	482400	2054	699700	513900	423000	**PF**	**092KF187**	**DRS**	**225S4**	4360	373
	0.83	415500	1770	720000	513900	423000	**PH**	**092KF187**	**DRS**	**225S4**	5080	372
	0.99	349200	1487	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**225S4**	4380	373
	1.2	302300	1288	720000	513900	423000						
	1.4	251900	1073	720000	513900	423000						
	1.6	214800	915	720000	513900	423000						
	0.73	476900	2031	705400	513900	423000	**P**	**092KF167**	**DRS**	**225S4**	4430	370
	1.7	202500	863	720000	513900	423000	**PF**	**092KF167**	**DRS**	**225S4**	3740	371
	1.8	187100	797	720000	513900	423000	**PH**	**092KF167**	**DRS**	**225S4**	4440	370
	2.0	172800	736	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**225S4**	3750	371
	2.2	159700	680	720000	513900	423000						
	2.3	152200	649	720000	513900	423000						
	2.6	135800	579	720000	513900	423000						
	3.0	115700	493	720000	513900	423000						
	0.84	412300	1756	602700	397100	359400	**P**	**082KF157**	**DRS**	**225S4**	3560	368
	1.0	335000	1427	675400	397100	359400	**PF**	**082KF157**	**DRS**	**225S4**	2910	369
	1.3	275800	1175	683000	397100	359400	**PH**	**082KF157**	**DRS**	**225S4**	3550	368
	1.4	243400	1037	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**225S4**	2900	369
	1.6	211000	899	683000	397100	359400						
	1.2	280400	1195	509500	274600	245660	**P**	**072KF127**	**DRS**	**225S4**	2610	364
	1.4	247400	1055	523000	274600	245660	**PF**	**072KF127**	**DRS**	**225S4**	2120	365
	1.6	213700	911	523000	274600	245660	**PH**	**072KF127**	**DRS**	**225S4**	2660	364
	1.8	189000	806	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**225S4**	2170	365
	2.2	158800	677	523000	274600	245660						
	1.8	194700	830	431700	209100	185660	**P**	**062KF127**	**DRS**	**225S4**	2190	362
	2.1	163600	697	454300	209100	185660	**PF**	**062KF127**	**DRS**	**225S4**	1820	363
	2.6	132100	563	473000	209100	185660	**PH**	**062KF127**	**DRS**	**225S4**	2180	362
	2.9	117700	502	473000	209100	185660	**PHF**	**062KF127**	**DRS**	**225S4**	1810	363
	3.5	98900	421	473000	209100	185660						

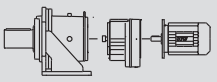
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
37	1.7	208300	887	420500	209100	185660	P	062KF107	DRS	225S4	1990	360
							PF	062KF107	DRS	225S4	1630	361
							PH	062KF107	DRS	225S4	1980	360
							PHF	062KF107	DRS	225S4	1620	361
	2.6	132100	563	349500	140600	124060	P	052KF127	DRS	225S4	1700	358
	2.9	117700	502	361400	140600	124060	PF	052KF127	DRS	225S4	1500	359
	3.5	98900	421	364000	140600	124060	PH	052KF127	DRS	225S4	1700	358
	4.3	79900	341	355900	140600	124060	PHF	052KF127	DRS	225S4	1500	359
	3.8	91500	390	364000	140600	124060	P	052KF107	DRS	225S4	1510	356
	4.3	80000	341	355900	140600	124060	PF	052KF107	DRS	225S4	1310	357
							PH	052KF107	DRS	225S4	1500	356
							PHF	052KF107	DRS	225S4	1300	357
	2.7	127500	543	353400	140600	124060	P	052KF97	DRS	225S4	1390	354
							PF	052KF97	DRS	225S4	1190	355
							PH	052KF97	DRS	225S4	1390	354
							PHF	052KF97	DRS	225S4	1190	355
	3.5	98900	421	296800	111000	100170	P	042KF127	DRS	225S4	1560	352
	4.3	79900	341	308600	111000	100170	PF	042KF127	DRS	225S4	1370	353
							PH	042KF127	DRS	225S4	1560	352
							PHF	042KF127	DRS	225S4	1370	353
	3.2	107900	460	287300	111000	100170	P	042KF107	DRS	225S4	1360	350
	3.8	91500	390	304000	111000	100170	PF	042KF107	DRS	225S4	1170	351
	4.3	80000	341	308600	111000	100170	PH	042KF107	DRS	225S4	1370	350
							PHF	042KF107	DRS	225S4	1180	351
	5.1	67700	289	225700	86800	69620	P	032KF127	DRS	225S4	1310	346
	5.7	60300	257	229500	86800	69620	PF	032KF127	DRS	225S4	1190	347
							PH	032KF127	DRS	225S4	1330	346
							PHF	032KF127	DRS	225S4	1210	347
	4.3	80000	341	208400	86800	69620	P	032KF107	DRS	225S4	1120	344
	5.0	69000	294	224000	86800	69620	PF	032KF107	DRS	225S4	1000	345
	7.4	46900	200	212900	-	69620	PH	032KF107	DRS	225S4	1140	344
	8.4	41000	175	204500	86800	69620	PHF	032KF107	DRS	225S4	1020	345
	6.3	55300	236	184300	64200	51190	P	022KF107	DRS	225S4	1040	338
	7.4	46900	200	196900	64200	51190	PF	022KF107	DRS	225S4	930	339
	8.4	41000	175	197000	64200	51190	PH	022KF107	DRS	225S4	1050	338
							PHF	022KF107	DRS	225S4	950	339
	6.1	56600	241	182200	64200	51190	P	022KF97	DRS	225S4	920	336
							PF	022KF97	DRS	225S4	820	337
							PH	022KF97	DRS	225S4	940	336
							PHF	022KF97	DRS	225S4	840	337
	8.4	41000	175	137900	46200	36810	P	012KF107	DRS	225S4	890	332
							PF	012KF107	DRS	225S4	820	333
							PH	012KF107	DRS	225S4	900	332
							PHF	012KF107	DRS	225S4	830	333
	8.4	41100	175	138000	46200	36810	P	012KF97	DRS	225S4	770	330
							PF	012KF97	DRS	225S4	700	331
							PH	012KF97	DRS	225S4	790	330
							PHF	012KF97	DRS	225S4	720	331
45	0.73	577000	2028	830100	631300	500000	P	102KF187	DRS	225M4	5940	376
	0.85	497000	1747	850000	631300	500000	PF	102KF187	DRS	225M4	4980	377
	1.0	417700	1468	850000	631300	500000	PH	102KF187	DRS	225M4	6000	376
	1.2	361600	1271	850000	631300	500000	PHF	102KF187	DRS	225M4	5040	377
	1.4	301400	1059	850000	631300	500000						
	1.6	256900	903	850000	631300	500000						
	0.74	570400	2005	834800	631300	500000	P	102KF167	DRS	225M4	5310	374
	1.9	223800	787	850000	631300	500000	PF	102KF167	DRS	225M4	4350	375
	2.2	191000	671	850000	631300	500000	PH	102KF167	DRS	225M4	5370	374
							PHF	102KF167	DRS	225M4	4410	375
	0.84	503600	1770	676700	513900	423000	P	092KF187	DRS	225M4	5080	372
	0.99	423300	1487	720000	513900	423000	PF	092KF187	DRS	225M4	4390	373
	1.2	366500	1288	720000	513900	423000	PH	092KF187	DRS	225M4	5100	372
	1.4	305400	1073	720000	513900	423000	PHF	092KF187	DRS	225M4	4400	373
	1.6	260400	915	720000	513900	423000						
	1.9	220700	776	720000	513900	423000						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
45	**0.84**	502800	1767	677600	513900	423000	**P**	**092KF167**	**DRS**	**225M4**		4450	370
	0.88	478900	1683	703200	513900	423000	**PF**	**092KF167**	**DRS**	**225M4**		3760	371
	2.2	193600	680	720000	513900	423000	**PH**	**092KF167**	**DRS**	**225M4**		4470	370
	2.3	184500	649	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**225M4**		3770	371
	2.6	164600	579	720000	513900	423000							
	3.0	140300	493	720000	513900	423000							
	3.6	116200	409	720000	513900	423000							
	1.3	334300	1175	675900	397100	359400	**P**	**082KF157**	**DRS**	**225M4**		3580	368
	1.4	295000	1037	683000	397100	359400	**PF**	**082KF157**	**DRS**	**225M4**		2930	369
	1.6	255700	899	683000	397100	359400	**PH**	**082KF157**	**DRS**	**225M4**		3570	368
	1.8	227500	800	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**225M4**		2920	369
	2.2	196100	689	683000	397100	359400							
	2.6	161700	568	523000	274600	245660	**P**	**072KF157**	**DRS**	**225M4**		2920	366
	3.1	137100	482	523000	274600	245660	**PF**	**072KF157**	**DRS**	**225M4**		2430	367
							PH	**072KF157**	**DRS**	**225M4**		2980	366
							PHF	**072KF157**	**DRS**	**225M4**		2480	367
	1.6	259000	911	523000	274600	245660	**P**	**072KF127**	**DRS**	**225M4**		2630	364
	1.8	229100	806	523000	274600	245660	**PF**	**072KF127**	**DRS**	**225M4**		2140	365
	2.2	192500	677	523000	274600	245660	**PH**	**072KF127**	**DRS**	**225M4**		2680	364
	2.7	155500	547	523000	274600	245660	**PHF**	**072KF127**	**DRS**	**225M4**		2190	365
	3.0	138500	487	523000	-	245660							
	3.6	116400	409	523000	-	245660							
	2.1	198300	697	428700	209100	185660	**P**	**062KF127**	**DRS**	**225M4**		2210	362
	2.6	160200	563	456600	209100	185660	**PF**	**062KF127**	**DRS**	**225M4**		1840	363
	3.0	142700	502	467500	209100	185660	**PH**	**062KF127**	**DRS**	**225M4**		2200	362
	3.5	119900	421	473000	209100	185660	**PHF**	**062KF127**	**DRS**	**225M4**		1830	363
	4.4	96800	341	444300	209100	185660							
	2.2	186900	657	437700	209100	185660	**P**	**062KF107**	**DRS**	**225M4**		2010	360
							PF	**062KF107**	**DRS**	**225M4**		1650	361
							PH	**062KF107**	**DRS**	**225M4**		2000	360
							PHF	**062KF107**	**DRS**	**225M4**		1640	361
	3.0	142700	502	339900	140600	124060	**P**	**052KF127**	**DRS**	**225M4**		1720	358
	3.5	119900	421	359600	140600	124060	**PF**	**052KF127**	**DRS**	**225M4**		1520	359
	4.4	96800	341	355400	140600	124060	**PH**	**052KF127**	**DRS**	**225M4**		1720	358
							PHF	**052KF127**	**DRS**	**225M4**		1520	359
	3.2	133800	470	348000	140600	124060	**P**	**052KF97**	**DRS**	**225M4**		1420	354
							PF	**052KF97**	**DRS**	**225M4**		1220	355
							PH	**052KF97**	**DRS**	**225M4**		1410	354
							PHF	**052KF97**	**DRS**	**225M4**		1210	355
	4.4	96800	341	298900	111000	100170	**P**	**042KF127**	**DRS**	**225M4**		1580	352
	5.1	82100	289	293300	111000	100170	**PF**	**042KF127**	**DRS**	**225M4**		1390	353
	5.8	73100	257	283300	111000	100170	**PH**	**042KF127**	**DRS**	**225M4**		1580	352
							PHF	**042KF127**	**DRS**	**225M4**		1390	353
	5.1	82100	289	205100	86800	69620	**P**	**032KF127**	**DRS**	**225M4**		1330	346
	5.8	73100	257	218500	86800	69620	**PF**	**032KF127**	**DRS**	**225M4**		1210	347
	6.8	61400	216	217700	86800	69620	**PH**	**032KF127**	**DRS**	**225M4**		1350	346
	8.5	49600	175	204200	86800	69620	**PHF**	**032KF127**	**DRS**	**225M4**		1230	347
	5.0	83700	294	202500	86800	69620	**P**	**032KF107**	**DRS**	**225M4**		1140	344
							PF	**032KF107**	**DRS**	**225M4**		1020	345
							PH	**032KF107**	**DRS**	**225M4**		1160	344
							PHF	**032KF107**	**DRS**	**225M4**		1040	345
	7.4	56900	200	181700	64200	51190	**P**	**022KF107**	**DRS**	**225M4**		1060	338
							PF	**022KF107**	**DRS**	**225M4**		960	339
							PH	**022KF107**	**DRS**	**225M4**		1070	338
							PHF	**022KF107**	**DRS**	**225M4**		970	339
55	**0.85**	607500	1747	806900	631300	500000	**P**	**102KF187**	**DRS**	**225MC4**		5960	376
	1.0	510500	1468	850000	631300	500000	**PF**	**102KF187**	**DRS**	**225MC4**		5000	377
	1.2	442000	1271	850000	631300	500000	**PH**	**102KF187**	**DRS**	**225MC4**		6020	376
	1.4	368300	1059	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**225MC4**		5060	377
	1.6	314000	903	850000	631300	500000							
	1.9	266200	766	850000	631300	500000							
	0.84	609600	1747	805200	631300	500000	**P**	**102KF187**	**DRS**	**250M4**		6070	376
	1.0	512300	1468	850000	631300	500000	**PF**	**102KF187**	**DRS**	**250M4**		5120	377
							PH	**102KF187**	**DRS**	**250M4**		6130	376
							PHF	**102KF187**	**DRS**	**250M4**		5180	377

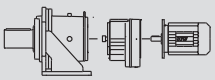
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
55	**0.89**	577600	1661	829600	631300	500000	**P**	**102KF167**	**DRS**	**225MC4**	5330	374
	2.2	233500	671	850000	631300	500000	**PF**	**102KF167**	**DRS**	**225MC4**	4370	375
							PH	**102KF167**	**DRS**	**225MC4**	5390	374
							PHF	**102KF167**	**DRS**	**225MC4**	4430	375
	0.89	579600	1661	828100	631300	500000	**P**	**102KF167**	**DRS**	**250M4**	5440	374
							PF	**102KF167**	**DRS**	**250M4**	4490	375
							PH	**102KF167**	**DRS**	**250M4**	5500	374
							PHF	**102KF167**	**DRS**	**250M4**	4550	375
	0.99	517300	1487	661100	513900	423000	**P**	**092KF187**	**DRS**	**225MC4**	5100	372
	1.2	447900	1288	720000	513900	423000	**PF**	**092KF187**	**DRS**	**225MC4**	4410	373
	1.4	373200	1073	720000	513900	423000	**PH**	**092KF187**	**DRS**	**225MC4**	5120	372
	1.6	318200	915	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**225MC4**	4420	373
	1.9	269800	776	720000	513900	423000						
	2.2	232400	668	720000	513900	423000						
	1.2	449400	1288	720000	513900	423000	**P**	**092KF187**	**DRS**	**250M4**	5220	372
							PF	**092KF187**	**DRS**	**250M4**	4520	373
							PH	**092KF187**	**DRS**	**250M4**	5230	372
							PHF	**092KF187**	**DRS**	**250M4**	4530	373
	1.0	499600	1436	681200	513900	423000	**P**	**092KF167**	**DRS**	**225MC4**	4480	370
	1.2	440000	1265	720000	513900	423000	**PF**	**092KF167**	**DRS**	**225MC4**	3780	371
	2.6	201200	579	720000	513900	423000	**PH**	**092KF167**	**DRS**	**225MC4**	4490	370
	3.0	171500	493	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**225MC4**	3790	371
	3.6	142100	409	720000	513900	423000						
	4.2	121300	349	720000	513900	423000						
	1.0	501200	1436	679400	513900	423000	**P**	**092KF167**	**DRS**	**250M4**	4590	370
	1.2	441400	1265	720000	513900	423000	**PF**	**092KF167**	**DRS**	**250M4**	3890	371
	1.2	426200	1221	720000	513900	423000	**PH**	**092KF167**	**DRS**	**250M4**	4600	370
							PHF	**092KF167**	**DRS**	**250M4**	3900	371
	1.3	408600	1175	606600	397100	359400	**P**	**082KF157**	**DRS**	**225MC4**	3600	368
	1.4	360600	1037	653400	397100	359400	**PF**	**082KF157**	**DRS**	**225MC4**	2950	369
	1.6	312600	899	683000	397100	359400	**PH**	**082KF157**	**DRS**	**225MC4**	3590	368
	1.8	278100	800	683000	397100	359400	**PHF**	**082KF157**	**DRS**	**225MC4**	2940	369
	2.2	239700	689	683000	397100	359400						
	1.4	361800	1037	652300	397100	359400	**P**	**082KF157**	**DRS**	**250M4**	3720	368
							PF	**082KF157**	**DRS**	**250M4**	3070	369
							PH	**082KF157**	**DRS**	**250M4**	3710	368
							PHF	**082KF157**	**DRS**	**250M4**	3060	369
	2.6	197600	568	523000	274600	245660	**P**	**072KF157**	**DRS**	**225MC4**	2940	366
	3.1	167600	482	523000	274600	245660	**PF**	**072KF157**	**DRS**	**225MC4**	2450	367
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							PHF	**072KF157**	**DRS**	**225MC4**	2510	367
	1.8	280000	806	510000	274600	245660	**P**	**072KF127**	**DRS**	**225MC4**	2650	364
	2.2	235300	677	523000	274600	245660	**PF**	**072KF127**	**DRS**	**225MC4**	2160	365
	3.0	169300	487	523000	-	245660	**PH**	**072KF127**	**DRS**	**225MC4**	2700	364
	3.6	142300	409	523000	-	245660	**PHF**	**072KF127**	**DRS**	**225MC4**	2210	365
	2.6	195800	563	430800	209100	185660	**P**	**062KF127**	**DRS**	**225MC4**	2230	362
	3.0	174400	502	446900	209100	185660	**PF**	**062KF127**	**DRS**	**225MC4**	1860	363
	3.5	146600	421	465100	209100	185660	**PH**	**062KF127**	**DRS**	**225MC4**	2220	362
	4.4	118400	341	444300	209100	185660	**PHF**	**062KF127**	**DRS**	**225MC4**	1850	363
	2.6	196400	563	430300	209100	185660	**P**	**062KF127**	**DRS**	**250M4**	2340	362
							PF	**062KF127**	**DRS**	**250M4**	1980	363
							PH	**062KF127**	**DRS**	**250M4**	2330	362
							PHF	**062KF127**	**DRS**	**250M4**	1970	363

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
55	**2.6**	199700	574	427700	209100	185660	**P**	**062KF107**	**DRS**	**225MC4**	2040	360
							PF	**062KF107**	**DRS**	**225MC4**	1670	361
							PH	**062KF107**	**DRS**	**225MC4**	2020	360
							PHF	**062KF107**	**DRS**	**225MC4**	1660	361
	4.4	118400	341	355400	140600	124060	**P**	**052KF127**	**DRS**	**225MC4**	1740	358
	5.1	100300	289	338200	140600	124060	**PF**	**052KF127**	**DRS**	**225MC4**	1540	359
							PH	**052KF127**	**DRS**	**225MC4**	1740	358
							PHF	**052KF127**	**DRS**	**225MC4**	1540	359
	3.8	135600	390	346400	140600	124060	**P**	**052KF107**	**DRS**	**225MC4**	1550	356
							PF	**052KF107**	**DRS**	**225MC4**	1350	357
							PH	**052KF107**	**DRS**	**225MC4**	1540	356
							PHF	**052KF107**	**DRS**	**225MC4**	1340	357
	5.8	89400	257	283300	111000	100170	**P**	**042KF127**	**DRS**	**225MC4**	1600	352
	6.8	75100	216	268900	111000	100170	**PF**	**042KF127**	**DRS**	**225MC4**	1410	353
	8.5	60600	175	252200	111000	100170	**PH**	**042KF127**	**DRS**	**225MC4**	1600	352
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	5.1	100700	289	293600	111000	100170	**P**	**042KF127**	**DRS**	**250M4**	1710	352
							PF	**042KF127**	**DRS**	**250M4**	1520	353
							PH	**042KF127**	**DRS**	**250M4**	1720	352
							PHF	**042KF127**	**DRS**	**250M4**	1530	353
	6.8	75100	216	215700	86800	69620	**P**	**032KF127**	**DRS**	**225MC4**	1350	346
	8.5	60600	175	204200	86800	69620	**PF**	**032KF127**	**DRS**	**225MC4**	1230	347
							PH	**032KF127**	**DRS**	**225MC4**	1370	346
							PHF	**032KF127**	**DRS**	**225MC4**	1250	347
	6.8	75300	216	215300	86800	69620	**P**	**032KF127**	**DRS**	**250M4**	1470	346
							PF	**032KF127**	**DRS**	**250M4**	1350	347
							PH	**032KF127**	**DRS**	**250M4**	1490	346
							PHF	**032KF127**	**DRS**	**250M4**	1370	347
	8.4	60900	175	204400	86800	52400	**P**	**032KF97**	**DRS**	**225MC4**	1050	342
							PF	**032KF97**	**DRS**	**225MC4**	920	343
							PH	**032KF97**	**DRS**	**225MC4**	1070	342
							PHF	**032KF97**	**DRS**	**225MC4**	950	343
	8.5	60700	175	174900	64200	51190	**P**	**022KF107**	**DRS**	**225MC4**	1080	338
							PF	**022KF107**	**DRS**	**225MC4**	980	339
							PH	**022KF107**	**DRS**	**225MC4**	1090	338
							PHF	**022KF107**	**DRS**	**225MC4**	990	339
	8.4	60900	175	174700	64200	51190	**P**	**022KF97**	**DRS**	**225MC4**	970	336
							PF	**022KF97**	**DRS**	**225MC4**	860	337
							PH	**022KF97**	**DRS**	**225MC4**	980	336
							PHF	**022KF97**	**DRS**	**225MC4**	880	337
75	**1.2**	602800	1271	810500	631300	500000	**P**	**102KF187**	**DRS**	**280S4**	6150	376
	1.4	502300	1059	850000	631300	500000	**PF**	**102KF187**	**DRS**	**280S4**	5190	377
	1.6	428300	903	850000	631300	500000	**PH**	**102KF187**	**DRS**	**280S4**	6210	376
	1.9	363100	766	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**280S4**	5250	377
	2.2	312800	660	850000	631300	500000						
	2.7	262800	554	850000	631300	500000						
	1.2	592200	1249	818700	631300	500000	**P**	**102KF167**	**DRS**	**280S4**	5520	374
	1.3	528300	1114	850000	631300	500000	**PF**	**102KF167**	**DRS**	**280S4**	4560	375
							PH	**102KF167**	**DRS**	**280S4**	5580	374
							PHF	**102KF167**	**DRS**	**280S4**	4620	375
	1.4	509000	1073	670700	513900	423000	**P**	**092KF187**	**DRS**	**280S4**	5290	372
	1.6	433900	915	720000	513900	423000	**PF**	**092KF187**	**DRS**	**280S4**	4600	373
	1.9	367900	776	720000	513900	423000	**PH**	**092KF187**	**DRS**	**280S4**	5310	372
	2.2	316900	668	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**280S4**	4610	373
	2.6	266300	561	720000	513900	423000						
	3.0	230600	486	720000	513900	423000						
	1.4	493700	1041	687600	513900	423000	**P**	**092KF167**	**DRS**	**280S4**	4660	370
	1.5	456200	962	720000	513900	423000	**PF**	**092KF167**	**DRS**	**280S4**	3970	371
	3.6	193800	409	720000	513900	423000	**PH**	**092KF167**	**DRS**	**280S4**	4680	370
	4.2	165400	349	720000	513900	423000	**PHF**	**092KF167**	**DRS**	**280S4**	3980	371

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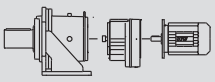
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75	**1.8**	379300	800	636100	397100	359400	**P**	**082KF157**	**DRS**	**280S4**	3790	368
	2.2	326900	689	680900	397100	359400	**PF**	**082KF157**	**DRS**	**280S4**	3140	369
							PH	**082KF157**	**DRS**	**280S4**	3780	368
							PHF	**082KF157**	**DRS**	**280S4**	3130	369
	2.6	269600	568	521500	274600	245660	**P**	**072KF157**	**DRS**	**280S4**	3130	366
	3.1	228600	482	523000	274600	245660	**PF**	**072KF157**	**DRS**	**280S4**	2640	367
	3.5	202500	429	523000	274600	245660	**PH**	**072KF157**	**DRS**	**280S4**	3190	366
	4.0	174600	369	523000	274600	245660	**PHF**	**072KF157**	**DRS**	**280S4**	2700	367
	5.0	141800	300	494900	274600	245660						
	5.8	120300	254	471200	274600	245660						
	2.7	259200	547	523000	274600	245660	**P**	**072KF127**	**DRS**	**280S4**	2840	364
							PF	**072KF127**	**DRS**	**280S4**	2350	365
							PH	**072KF127**	**DRS**	**280S4**	2890	364
							PHF	**072KF127**	**DRS**	**280S4**	2400	365
	3.5	199800	421	427500	209100	185660	**P**	**062KF127**	**DRS**	**280S4**	2420	362
	4.4	161400	341	444300	209100	185660	**PF**	**062KF127**	**DRS**	**280S4**	2050	363
							PH	**062KF127**	**DRS**	**280S4**	2410	362
							PHF	**062KF127**	**DRS**	**280S4**	2040	363
	5.1	136800	289	338200	140600	124060	**P**	**052KF127**	**DRS**	**280S4**	1930	358
	8.5	82700	175	290900	140600	124060	**PF**	**052KF127**	**DRS**	**280S4**	1730	359
							PH	**052KF127**	**DRS**	**280S4**	1930	358
							PHF	**052KF127**	**DRS**	**280S4**	1730	359
	6.8	102400	216	268900	111000	100170	**P**	**042KF127**	**DRS**	**280S4**	1790	352
	8.5	82700	175	252200	111000	100170	**PF**	**042KF127**	**DRS**	**280S4**	1600	353
							PH	**042KF127**	**DRS**	**280S4**	1790	352
							PHF	**042KF127**	**DRS**	**280S4**	1600	353
	8.5	82700	175	204100	86800	69620	**P**	**032KF127**	**DRS**	**280S4**	1540	346
							PF	**032KF127**	**DRS**	**280S4**	1420	347
							PH	**032KF127**	**DRS**	**280S4**	1560	346
							PHF	**032KF127**	**DRS**	**280S4**	1440	347
90	**1.4**	602800	1059	810500	631300	500000	**P**	**102KF187**	**DRS**	**280M4**	6150	376
	1.6	514000	903	850000	631300	500000	**PF**	**102KF187**	**DRS**	**280M4**	5190	377
	1.9	435700	766	850000	631300	500000	**PH**	**102KF187**	**DRS**	**280M4**	6210	376
	2.2	375300	660	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**280M4**	5250	377
	2.7	315400	554	850000	631300	500000						
	3.1	273100	480	850000	631300	500000						
	1.6	540400	949	850000	631300	500000	**P**	**102KF167**	**DRS**	**280M4**	5520	374
							PF	**102KF167**	**DRS**	**280M4**	4560	375
							PH	**102KF167**	**DRS**	**280M4**	5580	374
							PHF	**102KF167**	**DRS**	**280M4**	4620	375
	1.6	520700	915	657100	513900	423000	**P**	**092KF187**	**DRS**	**280M4**	5290	372
	1.9	441400	776	720000	513900	423000	**PF**	**092KF187**	**DRS**	**280M4**	4600	373
	2.2	380300	668	720000	513900	423000	**PH**	**092KF187**	**DRS**	**280M4**	5310	372
	2.6	319600	561	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**280M4**	4610	373
	3.0	276700	486	720000	513900	423000						
	3.6	230600	405	720000	513900	423000						
	1.7	490900	863	690600	513900	423000	**P**	**092KF167**	**DRS**	**280M4**	4660	370
	1.9	453600	797	720000	513900	423000	**PF**	**092KF167**	**DRS**	**280M4**	3970	371
	4.2	198400	349	720000	513900	423000	**PH**	**092KF167**	**DRS**	**280M4**	4680	370
							PHF	**092KF167**	**DRS**	**280M4**	3980	371
	2.2	392300	689	623400	397100	359400	**P**	**082KF157**	**DRS**	**280M4**	3790	368
							PF	**082KF157**	**DRS**	**280M4**	3140	369
							PH	**082KF157**	**DRS**	**280M4**	3780	368
							PHF	**082KF157**	**DRS**	**280M4**	3130	369
	3.1	274300	482	516300	274600	245660	**P**	**072KF157**	**DRS**	**280M4**	3130	366
							PF	**072KF157**	**DRS**	**280M4**	2640	367
							PH	**072KF157**	**DRS**	**280M4**	3190	366
							PHF	**072KF157**	**DRS**	**280M4**	2700	367
90	**4.4**	193700	341	432400	209100	185660	**P**	**062KF127**	**DRS**	**280M4**	2420	362
							PF	**062KF127**	**DRS**	**280M4**	2050	363
							PH	**062KF127**	**DRS**	**280M4**	2410	362
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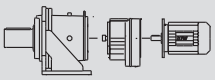
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
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110	**1.6**	627300	903	791000	631300	500000	**P**	**102KF187**	**DRS**	**315K4**		6440	376
	1.9	531800	766	850000	631300	500000	**PF**	**102KF187**	**DRS**	**315K4**		5490	377
	2.2	458100	660	850000	631300	500000	**PH**	**102KF187**	**DRS**	**315K4**		6510	376
	2.7	385000	554	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**315K4**		5550	377
	3.1	333300	480	850000	631300	500000							
	3.7	277700	400	850000	631300	500000							
	1.9	546500	787	850000	631300	500000	**P**	**102KF167**	**DRS**	**315K4**		5820	374
							PF	**102KF167**	**DRS**	**315K4**		4860	375
							PH	**102KF167**	**DRS**	**315K4**		5880	374
							PHF	**102KF167**	**DRS**	**315K4**		4920	375
	2.2	464200	668	718100	513900	423000	**P**	**092KF187**	**DRS**	**315K4**		5590	372
	2.6	390100	561	720000	513900	423000	**PF**	**092KF187**	**DRS**	**315K4**		4890	373
	3.0	337700	486	720000	513900	423000	**PH**	**092KF187**	**DRS**	**315K4**		5600	372
	3.7	281400	405	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**315K4**		4910	373
	4.3	240000	345	720000	513900	423000							
	2.0	511400	736	667900	513900	423000	**P**	**092KF167**	**DRS**	**315K4**		4960	370
	2.2	472600	680	709700	513900	423000	**PF**	**092KF167**	**DRS**	**315K4**		4260	371
	2.3	450500	649	720000	513900	423000	**PH**	**092KF167**	**DRS**	**315K4**		4970	370
							PHF	**092KF167**	**DRS**	**315K4**		4280	371
	4.0	255700	369	523000	274600	245660	**P**	**072KF157**	**DRS**	**315K4**		3430	366
							PF	**072KF157**	**DRS**	**315K4**		2940	367
							PH	**072KF157**	**DRS**	**315K4**		3480	366
							PHF	**072KF157**	**DRS**	**315K4**		2990	367
132	**2.2**	548900	660	850000	631300	500000	**P**	**102KF187**	**DRS**	**315S4**		6520	376
	2.7	461300	554	850000	631300	500000	**PF**	**102KF187**	**DRS**	**315S4**		5570	377
	3.1	399400	480	850000	631300	500000	**PH**	**102KF187**	**DRS**	**315S4**		6590	376
	3.7	332800	400	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**315S4**		5630	377
	4.4	283800	341	850000	631300	500000							
	2.2	558900	671	843000	631300	500000	**P**	**102KF167**	**DRS**	**315S4**		5900	374
							PF	**102KF167**	**DRS**	**315S4**		4940	375
							PH	**102KF167**	**DRS**	**315S4**		5960	374
							PHF	**102KF167**	**DRS**	**315S4**		5000	375
	2.6	467500	561	714800	513900	423000	**P**	**092KF187**	**DRS**	**315S4**		5670	372
	3.0	404800	486	720000	513900	423000	**PF**	**092KF187**	**DRS**	**315S4**		4970	373
	3.7	337300	405	720000	513900	423000	**PH**	**092KF187**	**DRS**	**315S4**		5680	372
	4.3	287600	345	720000	513900	423000	**PHF**	**092KF187**	**DRS**	**315S4**		4990	373
	2.6	481700	579	700400	513900	423000	**P**	**092KF167**	**DRS**	**315S4**		5040	370
							PF	**092KF167**	**DRS**	**315S4**		4340	371
							PH	**092KF167**	**DRS**	**315S4**		5050	370
							PHF	**092KF167**	**DRS**	**315S4**		4360	371
	5.0	249000	300	494600	274600	245660	**P**	**072KF157**	**DRS**	**315S4**		3510	366
							PF	**072KF157**	**DRS**	**315S4**		3020	367
							PH	**072KF157**	**DRS**	**315S4**		3560	366
							PHF	**072KF157**	**DRS**	**315S4**		3070	367
160	**2.7**	559600	554	842600	631300	500000	**P**	**102KF187**	**DRS**	**315M4**		6680	376
	3.1	484500	480	850000	631300	500000	**PF**	**102KF187**	**DRS**	**315M4**		5730	377
	3.7	403700	400	850000	631300	500000	**PH**	**102KF187**	**DRS**	**315M4**		6740	376
	4.4	344200	341	850000	631300	500000	**PHF**	**102KF187**	**DRS**	**315M4**		5790	377
	3.0	491000	486	690600	513900	423000	**P**	**092KF187**	**DRS**	**315M4**		5830	372
	3.7	409100	405	720000	513900	423000	**PF**	**092KF187**	**DRS**	**315M4**		5130	373
	4.3	348800	345	720000	513900	423000	**PH**	**092KF187**	**DRS**	**315M4**		5840	372
							PHF	**092KF187**	**DRS**	**315M4**		5140	373
	3.0	498000	493	683000	513900	423000	**P**	**092KF167**	**DRS**	**315M4**		5200	370
							PF	**092KF167**	**DRS**	**315M4**		4500	371
							PH	**092KF167**	**DRS**	**315M4**		5210	370
							PHF	**092KF167**	**DRS**	**315M4**		4520	371
	5.8	256100	254	470700	274600	245660	**P**	**072KF157**	**DRS**	**315M4**		3670	366
							PF	**072KF157**	**DRS**	**315M4**		3180	367
							PH	**072KF157**	**DRS**	**315M4**		3720	366
							PHF	**072KF157**	**DRS**	**315M4**		3230	367

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
200	**3.1**	606400	480	807700	631300	500000	**P**	**102KF187**	**DRS**	**315L4**	6760	376
	3.7	505400	400	850000	631300	500000	**PF**	**102KF187**	**DRS**	**315L4**	5810	377
	4.3	430900	341	850000	631300	500000	**PH**	**102KF187**	**DRS**	**315L4**	6820	376
							PHF	**102KF187**	**DRS**	**315L4**	5870	377
	3.6	512100	405	667200	513900	423000	**P**	**092KF187**	**DRS**	**315L4**	5910	372
	4.3	436600	345	720000	513900	423000	**PF**	**092KF187**	**DRS**	**315L4**	5210	373
							PH	**092KF187**	**DRS**	**315L4**	5920	372
							PHF	**092KF187**	**DRS**	**315L4**	5220	373
	4.2	440800	349	720000	513900	423000	**P**	**092KF167**	**DRS**	**315L4**	5280	370
							PF	**092KF167**	**DRS**	**315L4**	4580	371
							PH	**092KF167**	**DRS**	**315L4**	5290	370
							PHF	**092KF167**	**DRS**	**315L4**	4600	371

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11.3 IE2 motor standard – selection tables

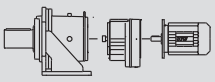
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
0.75	**0.36**	19700	4029	156000	46200	36810	**P**	**012KF87**	**DRE**	**80M4**	435	328
							PF	**012KF87**	**DRE**	**80M4**	365	329
							PH	**012KF87**	**DRE**	**80M4**	450	328
							PHF	**012KF87**	**DRE**	**80M4**	380	329
	0.41	17000	3490	156000	46200	36810	**P**	**012KF77**	**DRE**	**80M4**	400	326
	0.47	14900	3063	156000	46200	36810	**PF**	**012KF77**	**DRE**	**80M4**	330	327
							PH	**012KF77**	**DRE**	**80M4**	415	326
							PHF	**012KF77**	**DRE**	**80M4**	345	327
	0.38	18500	3793	124000	29200	24830	**P**	**002KF77**	**DRE**	**80M4**	320	320
							PF	**002KF77**	**DRE**	**80M4**	260	321
							PH	**002KF77**	**DRE**	**80M4**	325	320
							PHF	**002KF77**	**DRE**	**80M4**	265	321
	0.41	17200	3519	124000	-	24830	**P**	**002KF67**	**DRE**	**80M4**	285	318
	0.48	14600	2984	124000	-	24830	**PF**	**002KF67**	**DRE**	**80M4**	230	319
	0.53	13100	2694	124000	-	24830	**PH**	**002KF67**	**DRE**	**80M4**	290	318
	0.61	11500	2371	124000	-	24830	**PHF**	**002KF67**	**DRE**	**80M4**	235	319
	0.64	10900	2238	124000	-	24830						
	0.75	9320	1906	124000	-	24830						
	0.83	8470	1732	124000	-	24830						
	0.96	7340	1500	124000	-	24830						
1.1	**0.35**	29200	4029	197000	-	51190	**P**	**022KF87**	**DRE**	**90M4**	590	334
	0.42	24500	3387	197000	-	51190	**PF**	**022KF87**	**DRE**	**90M4**	485	335
	0.46	22500	3113	197000	-	51190	**PH**	**022KF87**	**DRE**	**90M4**	600	334
							PHF	**022KF87**	**DRE**	**90M4**	500	335
	0.35	29200	4029	156000	46200	36810	**P**	**012KF87**	**DRE**	**90M4**	440	328
	0.51	20000	2764	156000	46200	36810	**PF**	**012KF87**	**DRE**	**90M4**	370	329
							PH	**012KF87**	**DRE**	**90M4**	455	328
							PHF	**012KF87**	**DRE**	**90M4**	385	329
	0.37	27600	3807	156000	46200	36810	**P**	**012KF77**	**DRE**	**90M4**	400	326
	0.41	25300	3490	156000	46200	36810	**PF**	**012KF77**	**DRE**	**90M4**	330	327
	0.46	22200	3063	156000	46200	36810	**PH**	**012KF77**	**DRE**	**90M4**	415	326
	0.56	18400	2540	156000	46200	36810	**PHF**	**012KF77**	**DRE**	**90M4**	345	327
	0.62	16500	2289	156000	46200	36810						
	0.71	14500	2008	156000	46200	36810						
	0.80	12800	1772	156000	46200	36810						
	0.37	27500	3793	113500	29200	24830	**P**	**002KF77**	**DRE**	**90M4**	320	320
	0.47	22100	3051	121500	29200	24830	**PF**	**002KF77**	**DRE**	**90M4**	265	321
	0.49	20900	2891	123000	29200	24830	**PH**	**002KF77**	**DRE**	**90M4**	325	320
							PHF	**002KF77**	**DRE**	**90M4**	270	321
	0.60	17100	2371	124000	-	24830	**P**	**002KF67**	**DRE**	**90M4**	290	318
	0.63	16200	2238	124000	-	24830	**PF**	**002KF67**	**DRE**	**90M4**	235	319
	0.74	13800	1906	124000	-	24830	**PH**	**002KF67**	**DRE**	**90M4**	295	318
	0.82	12500	1732	124000	-	24830	**PHF**	**002KF67**	**DRE**	**90M4**	240	319
	0.95	10800	1500	124000	-	24830						
	1.0	10000	1392	124000	-	24830						
	1.2	8550	1181	124000	-	24830						
	1.3	7720	1066	124000	-	24830						
	1.5	6790	938	124000	-	24830						

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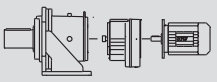
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
1.5	**0.35**	39500	4029	197000	-	51190	**P**	**022KF87**	**DRE**	**90L4**		590	334
	0.42	33200	3387	197000	-	51190	**PF**	**022KF87**	**DRE**	**90L4**		490	335
	0.46	30500	3113	197000	-	51190	**PH**	**022KF87**	**DRE**	**90L4**		610	334
							PHF	**022KF87**	**DRE**	**90L4**		500	335
	0.35	39500	4029	156000	46200	36810	**P**	**012KF87**	**DRE**	**90L4**		440	328
	0.52	27100	2764	156000	46200	36810	**PF**	**012KF87**	**DRE**	**90L4**		370	329
							PH	**012KF87**	**DRE**	**90L4**		455	328
							PHF	**012KF87**	**DRE**	**90L4**		385	329
	0.38	37300	3807	156000	46200	36810	**P**	**012KF77**	**DRE**	**90L4**		405	326
	0.41	34200	3490	156000	46200	36810	**PF**	**012KF77**	**DRE**	**90L4**		335	327
	0.47	30000	3063	156000	46200	36810	**PH**	**012KF77**	**DRE**	**90L4**		420	326
	0.49	28500	2903	156000	46200	36810	**PHF**	**012KF77**	**DRE**	**90L4**		350	327
	0.56	24900	2540	156000	46200	36810							
	0.62	22400	2289	156000	46200	36810							
	0.71	19700	2008	156000	46200	36810							
	0.81	17300	1772	156000	46200	36810							
	0.49	28300	2891	112000	29200	24830	**P**	**002KF77**	**DRE**	**90L4**		325	320
	0.63	22300	2280	121100	29200	24830	**PF**	**002KF77**	**DRE**	**90L4**		265	321
	0.71	19600	2000	124000	29200	24830	**PH**	**002KF77**	**DRE**	**90L4**		330	320
							PHF	**002KF77**	**DRE**	**90L4**		270	321
	0.83	17000	1732	124000	-	24830	**P**	**002KF67**	**DRE**	**90L4**		295	318
	0.95	14700	1500	124000	-	24830	**PF**	**002KF67**	**DRE**	**90L4**		235	319
	1.0	13600	1392	124000	-	24830	**PH**	**002KF67**	**DRE**	**90L4**		300	318
	1.2	11500	1181	124000	-	24830	**PHF**	**002KF67**	**DRE**	**90L4**		240	319
	1.3	10400	1066	124000	-	24830							
	1.5	9200	938	124000	-	24830							
	1.6	8690	886	124000	-	24830							
	1.9	7400	754	124000	-	24830							
2.2	**0.35**	59600	4124	235400	86800	69620	**P**	**032KF97**	**DRE**	**100M4**		750	342
	0.38	54800	3797	240400	86800	69620	**PF**	**032KF97**	**DRE**	**100M4**		630	343
							PH	**032KF97**	**DRE**	**100M4**		770	342
							PHF	**032KF97**	**DRE**	**100M4**		650	343
	0.35	58200	4029	179400	-	51190	**P**	**022KF87**	**DRE**	**100M4**		590	334
	0.42	48900	3387	194100	-	51190	**PF**	**022KF87**	**DRE**	**100M4**		495	335
	0.46	44900	3113	197000	-	51190	**PH**	**022KF87**	**DRE**	**100M4**		610	334
	0.52	39900	2764	197000	-	51190	**PHF**	**022KF87**	**DRE**	**100M4**		510	335
	0.58	35700	2471	197000	-	51190							
	0.52	39900	2764	156000	46200	36810	**P**	**012KF87**	**DRE**	**100M4**		445	328
	0.64	32100	2222	156000	46200	36810	**PF**	**012KF87**	**DRE**	**100M4**		375	329
	0.74	27800	1929	156000	46200	36810	**PH**	**012KF87**	**DRE**	**100M4**		460	328
	0.83	24900	1727	156000	46200	36810	**PHF**	**012KF87**	**DRE**	**100M4**		390	329
	0.99	20700	1433	156000	46200	36810							
	0.47	44200	3063	156000	46200	36810	**P**	**012KF77**	**DRE**	**100M4**		410	326
	0.49	41900	2903	156000	46200	36810	**PF**	**012KF77**	**DRE**	**100M4**		340	327
	0.56	36700	2540	156000	46200	36810	**PH**	**012KF77**	**DRE**	**100M4**		425	326
	0.62	33000	2289	156000	46200	36810	**PHF**	**012KF77**	**DRE**	**100M4**		355	327
	0.71	29000	2008	156000	46200	36810							
	0.80	25600	1772	156000	46200	36810							
	1.0	19900	1381	156000	46200	36810							
	0.71	28900	2000	111200	29200	24830	**P**	**002KF77**	**DRE**	**100M4**		330	320
	0.91	22600	1565	120800	29200	24830	**PF**	**002KF77**	**DRE**	**100M4**		270	321
	1.0	19800	1376	124000	29200	24830	**PH**	**002KF77**	**DRE**	**100M4**		335	320
							PHF	**002KF77**	**DRE**	**100M4**		275	321
	1.2	17000	1181	124000	-	24830	**P**	**002KF67**	**DRE**	**100M4**		300	318
	1.3	15400	1066	124000	-	24830	**PF**	**002KF67**	**DRE**	**100M4**		240	319
	1.5	13500	938	124000	-	24830	**PH**	**002KF67**	**DRE**	**100M4**		305	318
	1.6	12700	886	124000	-	24830	**PHF**	**002KF67**	**DRE**	**100M4**		245	319
	1.9	10800	754	124000	-	24830							
	2.1	9900	685	124000	-	24830							
	2.4	8570	594	124000	-	24830							
	2.8	7460	517	124000	-	24830							
	2.9	7040	488	124000	-	20200							

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SEW EURODRIVE

P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
3.0	**0.35**	79600	4124	314400	-	100170	**P**	**042KF97**	**DRE**	**100LC4**	1000	348
	0.38	73200	3797	319400	-	100170	**PF**	**042KF97**	**DRE**	**100LC4**	810	349
	0.43	65500	3394	323000	-	100170	**PH**	**042KF97**	**DRE**	**100LC4**	1010	348
							PHF	**042KF97**	**DRE**	**100LC4**	820	349
	0.35	79600	4124	209100	86800	69620	**P**	**032KF97**	**DRE**	**112M4**	760	342
	0.38	73200	3797	218300	86800	69620	**PF**	**032KF97**	**DRE**	**112M4**	640	343
							PH	**032KF97**	**DRE**	**112M4**	780	342
							PHF	**032KF97**	**DRE**	**112M4**	660	343
	0.35	79600	4124	209100	86800	69620	**P**	**032KF97**	**DRE**	**100LC4**	750	342
	0.38	73200	3797	218300	86800	69620	**PF**	**032KF97**	**DRE**	**100LC4**	630	343
	0.53	53400	2767	241900	86800	69620	**PH**	**032KF97**	**DRE**	**100LC4**	780	342
							PHF	**032KF97**	**DRE**	**100LC4**	650	343
	0.59	47700	2471	247300	-	69620	**P**	**032KF87**	**DRE**	**100LC4**	680	340
							PF	**032KF87**	**DRE**	**100LC4**	560	341
							PH	**032KF87**	**DRE**	**100LC4**	700	340
							PHF	**032KF87**	**DRE**	**100LC4**	580	341
	0.47	60000	3113	176200	-	51190	**P**	**022KF87**	**DRE**	**100LC4**	600	334
	0.53	53300	2764	187500	-	51190	**PF**	**022KF87**	**DRE**	**100LC4**	500	335
	0.59	47700	2471	195800	-	51190	**PH**	**022KF87**	**DRE**	**100LC4**	610	334
	0.65	42800	2222	197000	-	51190	**PHF**	**022KF87**	**DRE**	**100LC4**	510	335
	0.75	37200	1929	197000	-	51190						
	0.65	42800	2222	156000	46200	36810	**P**	**012KF87**	**DRE**	**112M4**	460	328
	0.75	37200	1929	156000	46200	36810	**PF**	**012KF87**	**DRE**	**112M4**	390	329
							PH	**012KF87**	**DRE**	**112M4**	475	328
							PHF	**012KF87**	**DRE**	**112M4**	405	329
	0.65	42800	2222	156000	46200	36810	**P**	**012KF87**	**DRE**	**100LC4**	450	328
	0.75	37200	1929	156000	46200	36810	**PF**	**012KF87**	**DRE**	**100LC4**	380	329
	0.84	33300	1727	156000	46200	36810	**PH**	**012KF87**	**DRE**	**100LC4**	465	328
	1.0	27600	1433	156000	46200	36810	**PHF**	**012KF87**	**DRE**	**100LC4**	395	329
	0.64	44100	2289	156000	46200	36810	**P**	**012KF77**	**DRE**	**112M4**	425	326
	0.72	38700	2008	156000	46200	36810	**PF**	**012KF77**	**DRE**	**112M4**	355	327
							PH	**012KF77**	**DRE**	**112M4**	440	326
							PHF	**012KF77**	**DRE**	**112M4**	370	327
	0.64	44100	2289	156000	46200	36810	**P**	**012KF77**	**DRE**	**100LC4**	415	326
	0.72	38700	2008	156000	46200	36810	**PF**	**012KF77**	**DRE**	**100LC4**	345	327
	1.0	26600	1381	156000	46200	36810	**PH**	**012KF77**	**DRE**	**100LC4**	430	326
	1.2	23300	1212	156000	46200	36810	**PHF**	**012KF77**	**DRE**	**100LC4**	360	327
	1.3	22100	1148	156000	46200	36810						
	1.4	19300	1005	156000	46200	36810						
	1.6	17400	905	156000	46200	36810						
	1.1	26500	1376	115100	29200	24830	**P**	**002KF77**	**DRE**	**112M4**	345	320
							PF	**002KF77**	**DRE**	**112M4**	285	321
							PH	**002KF77**	**DRE**	**112M4**	350	320
							PHF	**002KF77**	**DRE**	**112M4**	290	321
	1.1	26500	1376	115100	29200	24830	**P**	**002KF77**	**DRE**	**100LC4**	335	320
	1.2	23200	1207	119900	29200	24830	**PF**	**002KF77**	**DRE**	**100LC4**	275	321
	1.3	22000	1144	121500	29200	24830	**PH**	**002KF77**	**DRE**	**100LC4**	340	320
	1.4	19300	1001	124000	29200	24830	**PHF**	**002KF77**	**DRE**	**100LC4**	280	321
	1.6	17000	886	124000	-	24830	**P**	**002KF67**	**DRE**	**100LC4**	305	318
	1.9	14500	754	124000	-	24830	**PF**	**002KF67**	**DRE**	**100LC4**	245	319
	2.1	13200	685	124000	-	24830	**PH**	**002KF67**	**DRE**	**100LC4**	310	318
	2.4	11400	594	124000	-	24830	**PHF**	**002KF67**	**DRE**	**100LC4**	250	319
	2.8	9960	517	124000	-	24830						
	3.0	9410	488	124000	-	20200						
	3.5	8010	415	124000	-	19100						
	3.8	7280	378	124000	-	18300						

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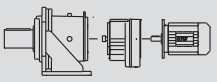
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
4.0	**0.37**	101300	3952	364000	140600	124060	**P**	**052KF107**	**DRE**	**132S4**		1270	356
	0.41	91500	3568	364000	140600	124060	**PF**	**052KF107**	**DRE**	**132S4**		1070	357
							PH	**052KF107**	**DRE**	**132S4**		1270	356
							PHF	**052KF107**	**DRE**	**132S4**		1070	357
	0.45	83100	3241	311500	111000	100170	**P**	**042KF107**	**DRE**	**132S4**		1130	350
							PF	**042KF107**	**DRE**	**132S4**		940	351
							PH	**042KF107**	**DRE**	**132S4**		1130	350
							PHF	**042KF107**	**DRE**	**132S4**		940	351
	0.35	105700	4124	289700	-	100170	**P**	**042KF97**	**DRE**	**132S4**		1020	348
	0.38	97300	3797	298400	-	100170	**PF**	**042KF97**	**DRE**	**132S4**		830	349
	0.43	87000	3394	308100	-	100170	**PH**	**042KF97**	**DRE**	**132S4**		1020	348
	0.53	70900	2767	321100	-	100170	**PHF**	**042KF97**	**DRE**	**132S4**		830	349
	0.59	62900	2454	323000	111000	100170							
	0.53	70900	2767	221500	86800	69620	**P**	**032KF97**	**DRE**	**132S4**		770	342
	0.66	56800	2218	238300	86800	69620	**PF**	**032KF97**	**DRE**	**132S4**		650	343
	0.78	48200	1880	246800	86800	69620	**PH**	**032KF97**	**DRE**	**132S4**		790	342
							PHF	**032KF97**	**DRE**	**132S4**		670	343
	0.59	63300	2471	231000	-	69620	**P**	**032KF87**	**DRE**	**132S4**		690	340
							PF	**032KF87**	**DRE**	**132S4**		570	341
							PH	**032KF87**	**DRE**	**132S4**		720	340
							PHF	**032KF87**	**DRE**	**132S4**		590	341
	0.66	56900	2222	181600	-	51190	**P**	**022KF87**	**DRE**	**132S4**		610	334
	0.76	49400	1929	193300	-	51190	**PF**	**022KF87**	**DRE**	**132S4**		510	335
	0.85	44200	1727	197000	-	51190	**PH**	**022KF87**	**DRE**	**132S4**		630	334
	1.0	36700	1433	197000	-	51190	**PHF**	**022KF87**	**DRE**	**132S4**		530	335
	1.2	31500	1231	197000	-	51190							
	0.85	44200	1727	156000	46200	36810	**P**	**012KF87**	**DRE**	**132S4**		465	328
	1.0	36700	1433	156000	46200	36810	**PF**	**012KF87**	**DRE**	**132S4**		395	329
	1.3	28000	1094	156000	46200	36810	**PH**	**012KF87**	**DRE**	**132S4**		480	328
							PHF	**012KF87**	**DRE**	**132S4**		410	329
	0.82	45400	1772	156000	46200	36810	**P**	**012KF77**	**DRE**	**132S4**		430	326
	1.2	31000	1212	156000	46200	36810	**PF**	**012KF77**	**DRE**	**132S4**		360	327
	1.3	29400	1148	156000	46200	36810	**PH**	**012KF77**	**DRE**	**132S4**		445	326
	1.4	25700	1005	156000	46200	36810	**PHF**	**012KF77**	**DRE**	**132S4**		375	327
	1.6	23200	905	156000	46200	36810							
	1.8	20300	794	156000	46200	36810							
	2.1	17900	701	156000	46200	36810							
	2.4	15900	621	156000	46200	36810							
	2.8	13600	530	156000	46200	36810							
	1.5	25600	1001	116400	29200	24830	**P**	**002KF77**	**DRE**	**132S4**		350	320
	1.6	23100	902	120100	29200	24830	**PF**	**002KF77**	**DRE**	**132S4**		290	321
	1.8	20200	791	123800	29200	24830	**PH**	**002KF77**	**DRE**	**132S4**		355	320
	2.1	17900	698	124000	29200	24830	**PHF**	**002KF77**	**DRE**	**132S4**		295	321
	2.4	15800	619	124000	29200	24830							
	2.8	13200	517	124000	-	24830	**P**	**002KF67**	**DRE**	**132S4**		320	318
	3.0	12500	488	124000	-	20200	**PF**	**002KF67**	**DRE**	**132S4**		260	319
	3.5	10600	415	124000	-	19100	**PH**	**002KF67**	**DRE**	**132S4**		325	318
	3.9	9670	378	124000	-	18300	**PHF**	**002KF67**	**DRE**	**132S4**		265	319
	4.5	8380	327	124000	-	16800							
	5.1	7290	284	124000	-	16000							

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SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1)]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
5.5	**0.41**	126200	3568	473000	-	185660	**P**	**062KF107**	**DRE**	**132M4**	1770	360
	0.45	114600	3241	473000	-	185660	**PF**	**062KF107**	**DRE**	**132M4**	1410	361
							PH	**062KF107**	**DRE**	**132M4**	1760	360
							PHF	**062KF107**	**DRE**	**132M4**	1390	361
	0.37	139800	3952	342600	140600	124060	**P**	**052KF107**	**DRE**	**132M4**	1290	356
	0.41	126200	3568	354500	140600	124060	**PF**	**052KF107**	**DRE**	**132M4**	1090	357
	0.51	101700	2876	364000	140600	124060	**PH**	**052KF107**	**DRE**	**132M4**	1280	356
	0.56	92300	2610	364000	140600	124060	**PHF**	**052KF107**	**DRE**	**132M4**	1080	357
	0.45	114600	3241	279600	111000	100170	**P**	**042KF107**	**DRE**	**132M4**	1140	350
	0.65	79300	2243	314600	111000	100170	**PF**	**042KF107**	**DRE**	**132M4**	950	351
	0.74	69200	1958	322400	111000	100170	**PH**	**042KF107**	**DRE**	**132M4**	1140	350
							PHF	**042KF107**	**DRE**	**132M4**	950	351
	0.53	97900	2767	297900	-	100170	**P**	**042KF97**	**DRE**	**132M4**	1030	348
	0.59	86800	2454	308300	111000	100170	**PF**	**042KF97**	**DRE**	**132M4**	840	349
	0.77	66500	1880	323000	111000	100170	**PH**	**042KF97**	**DRE**	**132M4**	1030	348
							PHF	**042KF97**	**DRE**	**132M4**	840	349
	0.66	78500	2218	210800	86800	69620	**P**	**032KF97**	**DRE**	**132M4**	780	342
	0.77	66500	1880	227200	86800	69620	**PF**	**032KF97**	**DRE**	**132M4**	660	343
	0.89	58100	1643	237000	86800	69620	**PH**	**032KF97**	**DRE**	**132M4**	800	342
	0.97	53100	1503	242200	86800	69620	**PHF**	**032KF97**	**DRE**	**132M4**	680	343
	1.2	43500	1231	250900	-	69620	**P**	**032KF87**	**DRE**	**132M4**	710	340
							PF	**032KF87**	**DRE**	**132M4**	590	341
							PH	**032KF87**	**DRE**	**132M4**	730	340
							PHF	**032KF87**	**DRE**	**132M4**	610	341
	0.84	61100	1727	174300	-	51190	**P**	**022KF87**	**DRE**	**132M4**	630	334
	1.0	50600	1433	191600	-	51190	**PF**	**022KF87**	**DRE**	**132M4**	520	335
	1.2	43500	1231	197000	-	51190	**PH**	**022KF87**	**DRE**	**132M4**	640	334
	1.3	38600	1094	197000	-	51190	**PHF**	**022KF87**	**DRE**	**132M4**	540	335
	1.5	34500	978	197000	-	51190						
	1.7	31000	879	197000	-	51190						
	1.3	38600	1094	156000	46200	36810	**P**	**012KF87**	**DRE**	**132M4**	480	328
	1.9	26900	763	156000	46200	36810	**PF**	**012KF87**	**DRE**	**132M4**	410	329
							PH	**012KF87**	**DRE**	**132M4**	490	328
							PHF	**012KF87**	**DRE**	**132M4**	420	329
	1.2	42800	1212	156000	46200	36810	**P**	**012KF77**	**DRE**	**132M4**	440	326
	1.3	40600	1148	156000	46200	36810	**PF**	**012KF77**	**DRE**	**132M4**	370	327
	1.4	35500	1005	156000	46200	36810	**PH**	**012KF77**	**DRE**	**132M4**	455	326
	1.6	32000	905	156000	46200	36810	**PHF**	**012KF77**	**DRE**	**132M4**	385	327
	1.8	28100	794	156000	46200	36810						
	2.1	24700	701	156000	46200	36810						
	2.3	21900	621	156000	46200	36810						
	2.7	18700	530	156000	46200	36810						
	3.4	15000	425	156000	-	36810						
	1.8	27900	791	112700	29200	24830	**P**	**002KF77**	**DRE**	**132M4**	360	320
	2.4	21800	619	121800	29200	24830	**PF**	**002KF77**	**DRE**	**132M4**	305	321
	2.8	18600	528	124000	29200	24830	**PH**	**002KF77**	**DRE**	**132M4**	365	320
	3.0	17000	483	124000	29200	24830	**PHF**	**002KF77**	**DRE**	**132M4**	305	321
	3.4	14900	424	124000	29200	24830						
	3.9	13200	374	124000	29200	24830						
	4.4	11700	331	124000	29200	24830						
	5.5	9340	264	124000	-	24830						
	6.0	8530	241	123400	-	19100						
	6.9	7480	212	118700	-	18900						
	7.8	6600	187	114300	-	17900						
	8.8	5850	166	110300	-	17000						
	10	5000	141	105200	-	15600						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
7.5	**0.43**	163400	3425	523000	274600	245660	**P**	**072KF127**	**DRE**	**132MC4**	2400	364
	0.54	129000	2703	523000	274600	245660	**PF**	**072KF127**	**DRE**	**132MC4**	1910	365
	0.62	113800	2385	523000	274600	245660	**PH**	**072KF127**	**DRE**	**132MC4**	2450	364
							PHF	**072KF127**	**DRE**	**132MC4**	1960	365
	0.34	207100	4322	421500	209100	185660	**P**	**062KF127**	**DRE**	**160S4**	1980	362
							PF	**062KF127**	**DRE**	**160S4**	1620	363
							PH	**062KF127**	**DRE**	**160S4**	1970	362
							PHF	**062KF127**	**DRE**	**160S4**	1610	363
	0.34	206400	4322	422100	209100	185660	**P**	**062KF127**	**DRE**	**132MC4**	1970	362
	0.60	117200	2456	473000	209100	185660	**PF**	**062KF127**	**DRE**	**132MC4**	1610	363
	0.69	101300	2121	473000	209100	185660	**PH**	**062KF127**	**DRE**	**132MC4**	1960	362
	0.78	89600	1876	473000	209100	185660	**PHF**	**062KF127**	**DRE**	**132MC4**	1600	363
	0.41	170400	3568	449700	-	185660	**P**	**062KF107**	**DRE**	**132MC4**	1770	360
	0.45	154700	3241	460100	-	185660	**PF**	**062KF107**	**DRE**	**132MC4**	1410	361
	0.66	107100	2243	473000	-	185660	**PH**	**062KF107**	**DRE**	**132MC4**	1760	360
	0.89	79300	1661	473000	-	185660	**PHF**	**062KF107**	**DRE**	**132MC4**	1400	361
	0.51	137800	2876	344500	140600	124060	**P**	**052KF107**	**DRE**	**160S4**	1300	356
	0.56	125000	2610	355500	140600	124060	**PF**	**052KF107**	**DRE**	**160S4**	1100	357
							PH	**052KF107**	**DRE**	**160S4**	1290	356
							PHF	**052KF107**	**DRE**	**160S4**	1090	357
	0.51	137300	2876	344900	140600	124060	**P**	**052KF107**	**DRE**	**132MC4**	1290	356
	0.56	124600	2610	355900	140600	124060	**PF**	**052KF107**	**DRE**	**132MC4**	1090	357
	0.75	93500	1958	364000	140600	124060	**PH**	**052KF107**	**DRE**	**132MC4**	1280	356
	1.0	69300	1452	364000	140600	124060	**PHF**	**052KF107**	**DRE**	**132MC4**	1080	357
	1.3	52200	1095	364000	140600	124060	**P**	**052KF97**	**DRE**	**132MC4**	1170	354
	1.5	46300	971	364000	140600	124060	**PF**	**052KF97**	**DRE**	**132MC4**	980	355
							PH	**052KF97**	**DRE**	**132MC4**	1170	354
							PHF	**052KF97**	**DRE**	**132MC4**	970	355
	0.65	107400	2243	287800	111000	100170	**P**	**042KF107**	**DRE**	**160S4**	1160	350
							PF	**042KF107**	**DRE**	**160S4**	970	351
							PH	**042KF107**	**DRE**	**160S4**	1160	350
							PHF	**042KF107**	**DRE**	**160S4**	970	351
	0.66	107100	2243	288200	111000	100170	**P**	**042KF107**	**DRE**	**132MC4**	1140	350
	0.75	93500	1958	302200	111000	100170	**PF**	**042KF107**	**DRE**	**132MC4**	950	351
	1.0	69300	1452	322300	111000	100170	**PH**	**042KF107**	**DRE**	**132MC4**	1150	350
	1.3	54300	1138	323000	111000	100170	**PHF**	**042KF107**	**DRE**	**132MC4**	960	351

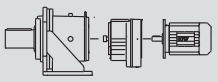
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}								m	
					f_{LC}<=7.5	f_{LC}>107.5								
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]							[kg]	
7.5	0.78	89800	1880	305600	111000	100170	P	042KF97	DRE	132MC4	1030	348
	1.2	57700	1209	323000	111000	100170	PF	042KF97	DRE	132MC4	840	349
	1.5	46300	971	323000	111000	100170	PH	042KF97	DRE	132MC4	1030	348
	1.7	41900	878	323000	111000	100170	PHF	042KF97	DRE	132MC4	840	349
	0.89	78700	1643	210500	86800	69620	P	032KF97	DRE	160S4	800	342
	0.98	71900	1503	220100	86800	69620	PF	032KF97	DRE	160S4	670	343
							PH	032KF97	DRE	160S4	820	342
							PHF	032KF97	DRE	160S4	700	343
	0.89	78400	1643	210900	86800	69620	P	032KF97	DRE	132MC4	780	342
	0.98	71700	1503	220400	86800	69620	PF	032KF97	DRE	132MC4	660	343
	1.5	46300	971	248500	86800	69620	PH	032KF97	DRE	132MC4	800	342
	1.7	41900	878	252000	86800	69620	PHF	032KF97	DRE	132MC4	680	343
	2.0	35500	744	252000	86800	69620						
	2.3	31000	650	252000	86800	69620						
	1.2	58800	1231	236200	-	69620	P	032KF87	DRE	132MC4	710	340
	1.9	36400	763	252000	-	69620	PF	032KF87	DRE	132MC4	590	341
	2.2	32600	683	252000	-	69620	PH	032KF87	DRE	132MC4	730	340
	2.3	29900	628	252000	-	69200	PHF	032KF87	DRE	132MC4	610	341
	2.6	27000	567	252000	-	69620						
	2.7	25900	543	197000	64200	51190	P	022KF97	DRE	132MC4	700	336
	3.1	22400	470	197000	64200	51190	PF	022KF97	DRE	132MC4	600	337
							PH	022KF97	DRE	132MC4	720	336
							PHF	022KF97	DRE	132MC4	620	337
	1.3	52200	1094	189300	-	51190	P	022KF87	DRE	132MC4	630	334
	1.5	46600	978	197000	-	51190	PF	022KF87	DRE	132MC4	530	335
	1.7	41900	879	197000	-	51190	PH	022KF87	DRE	132MC4	640	334
	2.2	32600	683	197000	64200	51190	PHF	022KF87	DRE	132MC4	540	335
	2.3	29900	628	197000	-	51190						
	3.0	23500	493	197000	64200	51190						
	3.4	20900	438	197000	64200	51190						
	3.6	19500	408	156000	46200	36810	P	012KF97	DRE	132MC4	560	330
	4.3	16300	342	156000	46200	36810	PF	012KF97	DRE	132MC4	485	331
	5.3	13300	279	156000	46200	36810	PH	012KF97	DRE	132MC4	570	330
							PHF	012KF97	DRE	132MC4	500	331
	1.9	36400	763	156000	46200	36810	P	012KF87	DRE	132MC4	480	328
	3.0	23500	493	156000	46200	36810	PF	012KF87	DRE	132MC4	410	329
	3.8	18700	392	156000	46200	36810	PH	012KF87	DRE	132MC4	495	328
	4.5	15500	325	156000	46200	36810	PHF	012KF87	DRE	132MC4	425	329
	5.1	13800	291	156000	46200	36810						
	1.6	43300	905	156000	46200	36810	P	012KF77	DRE	160S4	455	326
	1.8	38000	794	156000	46200	36810	PF	012KF77	DRE	160S4	385	327
							PH	012KF77	DRE	160S4	470	326
							PHF	012KF77	DRE	160S4	400	327
	1.6	43200	905	156000	46200	36810	P	012KF77	DRE	132MC4	445	326
	1.8	37900	794	156000	46200	36810	PF	012KF77	DRE	132MC4	375	327
	2.1	33400	701	156000	46200	36810	PH	012KF77	DRE	132MC4	460	326
	2.4	29600	621	156000	46200	36810	PHF	012KF77	DRE	132MC4	390	327
	2.8	25300	530	156000	46200	36810						
	2.8	25300	528	117000	29200	24830	P	002KF77	DRE	160S4	375	320
							PF	002KF77	DRE	160S4	320	321
							PH	002KF77	DRE	160S4	380	320
							PHF	002KF77	DRE	160S4	320	321
	2.8	25200	528	117100	29200	24830	P	002KF77	DRE	132MC4	365	320
	3.5	20200	424	123900	29200	24830	PF	002KF77	DRE	132MC4	305	321
	3.9	17800	374	124000	29200	24830	PH	002KF77	DRE	132MC4	370	320
	4.4	15800	331	124000	29200	24830	PHF	002KF77	DRE	132MC4	310	321
	5.2	13500	283	124000	29200	24830						
	5.6	12600	264	124000	-	24830						
	7.0	10100	212	118300	-	18900						
	7.9	8910	187	114000	-	17900						
	8.9	7900	166	109900	-	17000						
	10	6750	141	104800	-	15600						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
9.2	**0.43**	199200	3402	850000	631300	500000	**P**	**102KF167**	**DRE**	**160M4**	5090	374
	0.56	154300	2636	850000	631300	500000	**PF**	**102KF167**	**DRE**	**160M4**	4130	375
	0.63	137700	2352	850000	631300	500000	**PH**	**102KF167**	**DRE**	**160M4**	5150	374
							PHF	**102KF167**	**DRE**	**160M4**	4190	375
	0.43	201900	3447	720000	513900	423000	**P**	**092KF167**	**DRE**	**160M4**	4240	370
	0.48	179500	3065	720000	513900	423000	**PF**	**092KF167**	**DRE**	**160M4**	3540	371
	0.54	159000	2715	720000	513900	423000	**PH**	**092KF167**	**DRE**	**160M4**	4250	370
	0.62	139500	2383	720000	513900	423000	**PHF**	**092KF167**	**DRE**	**160M4**	3550	371
	0.67	129300	2209	720000	513900	423000						
	0.72	118900	2031	720000	513900	423000						
	0.83	103500	1767	720000	513900	423000						
	0.35	245800	4198	523000	274600	245660	**P**	**072KF127**	**DRE**	**160M4**	2410	364
	0.43	200500	3425	523000	274600	245660	**PF**	**072KF127**	**DRE**	**160M4**	1920	365
	0.47	182900	3123	523000	274600	245660	**PH**	**072KF127**	**DRE**	**160M4**	2470	364
	0.54	158200	2703	523000	274600	245660	**PHF**	**072KF127**	**DRE**	**160M4**	1970	365
	0.62	139600	2385	523000	274600	245660						
	0.42	206600	3526	421900	209100	185660	**P**	**062KF127**	**DRE**	**160M4**	1990	362
	0.46	188400	3216	436600	209100	185660	**PF**	**062KF127**	**DRE**	**160M4**	1630	363
	0.60	143800	2456	466800	209100	185660	**PH**	**062KF127**	**DRE**	**160M4**	1980	362
	0.69	124200	2121	473000	209100	185660	**PHF**	**062KF127**	**DRE**	**160M4**	1610	363
	0.78	109900	1876	473000	209100	185660						
	0.51	168400	2876	451100	-	185660	**P**	**062KF107**	**DRE**	**160M4**	1790	360
	0.56	152800	2610	461300	-	185660	**PF**	**062KF107**	**DRE**	**160M4**	1430	361
	0.66	131400	2243	473000	-	185660	**PH**	**062KF107**	**DRE**	**160M4**	1780	360
	0.75	114600	1958	473000	-	185660	**PHF**	**062KF107**	**DRE**	**160M4**	1420	361
	0.89	97200	1661	473000	-	185660						
	1.0	85000	1452	473000	-	185660						
	0.66	131400	2243	350200	140600	124060	**P**	**052KF107**	**DRE**	**160M4**	1310	356
	0.75	114600	1958	363700	140600	124060	**PF**	**052KF107**	**DRE**	**160M4**	1110	357
	1.0	85000	1452	364000	140600	124060	**PH**	**052KF107**	**DRE**	**160M4**	1300	356
	1.2	71800	1227	364000	140600	124060	**PHF**	**052KF107**	**DRE**	**160M4**	1100	357
	1.1	78600	1343	364000	140600	124060	**P**	**052KF97**	**DRE**	**160M4**	1200	354
	1.2	70800	1209	364000	140600	124060	**PF**	**052KF97**	**DRE**	**160M4**	1000	355
							PH	**052KF97**	**DRE**	**160M4**	1190	354
							PHF	**052KF97**	**DRE**	**160M4**	990	355
	0.75	114600	1958	279600	111000	100170	**P**	**042KF107**	**DRE**	**160M4**	1170	350
	0.89	97200	1661	298500	111000	100170	**PF**	**042KF107**	**DRE**	**160M4**	980	351
	1.0	85000	1452	309900	111000	100170	**PH**	**042KF107**	**DRE**	**160M4**	1170	350
	1.3	66600	1138	323000	111000	100170	**PHF**	**042KF107**	**DRE**	**160M4**	980	351
	0.78	110100	1880	284800	111000	100170	**P**	**042KF97**	**DRE**	**160M4**	1050	348
	0.98	88000	1503	307200	111000	100170	**PF**	**042KF97**	**DRE**	**160M4**	860	349
	1.2	70800	1209	321300	111000	100170	**PH**	**042KF97**	**DRE**	**160M4**	1060	348
	1.3	64100	1095	323000	111000	100170	**PHF**	**042KF97**	**DRE**	**160M4**	870	349
	1.5	56800	971	323000	111000	100170						
	1.7	51400	878	323000	111000	100170						
	1.2	70800	1209	221700	86800	69620	**P**	**032KF97**	**DRE**	**160M4**	800	342
	1.3	64100	1095	230200	86800	69620	**PF**	**032KF97**	**DRE**	**160M4**	680	343
	1.5	56800	971	238300	86800	69620	**PH**	**032KF97**	**DRE**	**160M4**	830	342
	1.7	51400	878	243900	86800	69620	**PHF**	**032KF97**	**DRE**	**160M4**	700	343
	2.0	43500	744	250900	86800	69620						
	2.3	38000	650	252000	86800	69620						
	2.3	36700	628	252000	-	69200	**P**	**032KF87**	**DRE**	**160M4**	730	340
	2.6	33100	567	252000	-	69620	**PF**	**032KF87**	**DRE**	**160M4**	610	341
							PH	**032KF87**	**DRE**	**160M4**	750	340
							PHF	**032KF87**	**DRE**	**160M4**	630	341
	2.7	31800	543	197000	64200	51190	**P**	**022KF97**	**DRE**	**160M4**	720	336
	3.1	27500	470	197000	64200	51190	**PF**	**022KF97**	**DRE**	**160M4**	620	337
							PH	**022KF97**	**DRE**	**160M4**	740	336
							PHF	**022KF97**	**DRE**	**160M4**	640	337

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
9.2	1.5	57200	978	181100	-	51190	P	022KF87	DRE	160M4		650	334
	1.7	51400	879	190400	-	51190	PF	022KF87	DRE	160M4		550	335
	1.9	44600	763	197000	64200	51190	PH	022KF87	DRE	160M4		660	334
	2.2	40000	683	197000	64200	51190	PHF	022KF87	DRE	160M4		560	335
	2.3	36700	628	197000	-	51190							
	3.0	28800	493	197000	64200	51190							
	3.4	25600	438	197000	64200	51190							
	3.6	23900	408	156000	46200	36810	P	012KF97	DRE	160M4		580	330
	4.3	20000	342	156000	46200	36810	PF	012KF97	DRE	160M4		510	331
	5.3	16300	279	156000	46200	36810	PH	012KF97	DRE	160M4		590	330
							PHF	012KF97	DRE	160M4		520	331
	1.9	44600	763	156000	46200	36810	P	012KF87	DRE	160M4		500	328
	2.2	40000	683	156000	46200	36810	PF	012KF87	DRE	160M4		430	329
	2.3	36700	628	156000	46200	36810	PH	012KF87	DRE	160M4		520	328
	2.6	33100	567	156000	46200	36810	PHF	012KF87	DRE	160M4		445	329
	3.0	28800	493	156000	46200	36810							
	3.4	25600	438	156000	46200	36810							
	3.8	22900	392	156000	46200	36810							
	4.5	19000	325	156000	46200	36810							
	5.1	17000	291	156000	46200	36810							
	2.1	41000	701	156000	46200	36810	P	012KF77	DRE	160M4		465	326
							PF	012KF77	DRE	160M4		395	327
							PH	012KF77	DRE	160M4		480	326
							PHF	012KF77	DRE	160M4		410	327
	3.8	22800	391	120500	29200	24830	P	002KF87	DRE	160M4		420	322
	4.5	18900	324	124000	29200	24830	PF	002KF87	DRE	160M4		365	323
	5.2	16500	282	124000	29200	24830	PH	002KF87	DRE	160M4		425	322
	6.0	14300	245	123700	29200	24830	PHF	002KF87	DRE	160M4		370	323
	6.7	12700	218	119400	29200	24830							
	7.5	11400	195	115500	29200	24830							
	9.1	9480	162	109200	29200	24830							
	3.0	28200	483	112200	29200	24830	P	002KF77	DRE	160M4		385	320
	10	8280	141	104800	-	15600	PF	002KF77	DRE	160M4		325	321
							PH	002KF77	DRE	160M4		390	320
							PHF	002KF77	DRE	160M4		330	321
11.0	0.43	237400	3402	850000	631300	500000	P	102KF167	DRE	160MC4		5090	374
	0.56	183900	2636	850000	631300	500000	PF	102KF167	DRE	160MC4		4140	375
	0.63	164100	2352	850000	631300	500000	PH	102KF167	DRE	160MC4		5160	374
	0.74	139900	2005	850000	631300	500000	PHF	102KF167	DRE	160MC4		4200	375
	0.48	213900	3065	720000	513900	423000	P	092KF167	DRE	160MC4		4240	370
	0.54	189400	2715	720000	513900	423000	PF	092KF167	DRE	160MC4		3540	371
	0.62	166300	2383	720000	513900	423000	PH	092KF167	DRE	160MC4		4250	370
	0.67	154100	2209	720000	513900	423000	PHF	092KF167	DRE	160MC4		3560	371
	0.73	141700	2031	720000	513900	423000							
	0.83	123300	1767	720000	513900	423000							
	0.39	262500	3761	683000	397100	359400	P	082KF157	DRE	160MC4		3370	368
	0.43	240100	3440	683000	397100	359400	PF	082KF157	DRE	160MC4		2720	369
							PH	082KF157	DRE	160MC4		3360	368
							PHF	082KF157	DRE	160MC4		2710	369
	0.39	267300	3818	523000	274600	245660	P	072KF157	DRE	180S4		2740	366
							PF	072KF157	DRE	180S4		2240	367
							PH	072KF157	DRE	180S4		2790	366
							PHF	072KF157	DRE	180S4		2300	367
	0.39	266400	3818	523000	274600	245660	P	072KF157	DRE	160MC4		2710	366
	0.49	212000	3038	523000	274600	245660	PF	072KF157	DRE	160MC4		2220	367
							PH	072KF157	DRE	160MC4		2760	366
							PHF	072KF157	DRE	160MC4		2270	367
	0.43	238900	3425	523000	274600	245660	P	072KF127	DRE	160MC4		2420	364
	0.47	217900	3123	523000	274600	245660	PF	072KF127	DRE	160MC4		1930	365
	0.55	188600	2703	523000	274600	245660	PH	072KF127	DRE	160MC4		2470	364
	0.62	166400	2385	523000	274600	245660	PHF	072KF127	DRE	160MC4		1980	365
	0.53	194900	2783	431500	209100	185660	P	062KF127	DRE	180S4		2020	362
							PF	062KF127	DRE	180S4		1660	363
							PH	062KF127	DRE	180S4		2010	362
							PHF	062KF127	DRE	180S4		1650	363

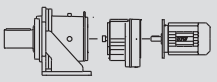
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
11.0	**0.46**	224500	3216	406000	209100	185660	**P**	**062KF127**	**DRE**	**160MC4**	1990	362
	0.53	194300	2783	432000	209100	185660	**PF**	**062KF127**	**DRE**	**160MC4**	1630	363
	0.60	171400	2456	449000	209100	185660	**PH**	**062KF127**	**DRE**	**160MC4**	1980	362
	0.70	148000	2121	464300	209100	185660	**PHF**	**062KF127**	**DRE**	**160MC4**	1620	363
	0.79	130900	1876	473000	209100	185660						
	0.66	156500	2243	458900	-	185660	**P**	**062KF107**	**DRE**	**160MC4**	1800	360
	0.75	136600	1958	471000	-	185660	**PF**	**062KF107**	**DRE**	**160MC4**	1440	361
	0.89	115900	1661	473000	-	185660	**PH**	**062KF107**	**DRE**	**160MC4**	1790	360
							PHF	**062KF107**	**DRE**	**160MC4**	1420	361
	0.75	137100	1958	345100	140600	124060	**P**	**052KF107**	**DRE**	**180S4**	1340	356
							PF	**052KF107**	**DRE**	**180S4**	1140	357
							PH	**052KF107**	**DRE**	**180S4**	1340	356
							PHF	**052KF107**	**DRE**	**180S4**	1140	357
	0.75	136600	1958	345500	140600	124060	**P**	**052KF107**	**DRE**	**160MC4**	1320	356
	1.0	101300	1452	364000	140600	124060	**PF**	**052KF107**	**DRE**	**160MC4**	1120	357
	1.2	85600	1227	364000	140600	124060	**PH**	**052KF107**	**DRE**	**160MC4**	1310	356
							PHF	**052KF107**	**DRE**	**160MC4**	1110	357
	1.0	101600	1452	294100	111000	100170	**P**	**042KF107**	**DRE**	**180S4**	1200	350
							PF	**042KF107**	**DRE**	**180S4**	1010	351
							PH	**042KF107**	**DRE**	**180S4**	1200	350
							PHF	**042KF107**	**DRE**	**180S4**	1010	351
	0.89	115900	1661	278100	111000	100170	**P**	**042KF107**	**DRE**	**160MC4**	1170	350
	1.0	101300	1452	294400	111000	100170	**PF**	**042KF107**	**DRE**	**160MC4**	980	351
	1.3	79400	1138	314600	111000	100170	**PH**	**042KF107**	**DRE**	**160MC4**	1170	350
							PHF	**042KF107**	**DRE**	**160MC4**	980	351
	0.98	105200	1503	290300	111000	100170	**P**	**042KF97**	**DRE**	**180S4**	1080	348
							PF	**042KF97**	**DRE**	**180S4**	890	349
							PH	**042KF97**	**DRE**	**180S4**	1090	348
							PHF	**042KF97**	**DRE**	**180S4**	900	349
	0.98	104800	1503	290700	111000	100170	**P**	**042KF97**	**DRE**	**160MC4**	1060	348
	1.2	84300	1209	310400	111000	100170	**PF**	**042KF97**	**DRE**	**160MC4**	870	349
	1.5	67700	971	323000	111000	100170	**PH**	**042KF97**	**DRE**	**160MC4**	1060	348
	1.7	61200	878	323000	111000	100170	**PHF**	**042KF97**	**DRE**	**160MC4**	870	349
	1.2	84600	1209	201000	86800	69620	**P**	**032KF97**	**DRE**	**180S4**	840	342
	1.3	76600	1095	213500	86800	69620	**PF**	**032KF97**	**DRE**	**180S4**	720	343
							PH	**032KF97**	**DRE**	**180S4**	860	342
							PHF	**032KF97**	**DRE**	**180S4**	740	343
	1.2	84300	1209	201400	86800	69620	**P**	**032KF97**	**DRE**	**160MC4**	810	342
	1.4	76400	1095	213900	86800	69620	**PF**	**032KF97**	**DRE**	**160MC4**	690	343
	1.5	67700	971	225700	86800	69620	**PH**	**032KF97**	**DRE**	**160MC4**	830	342
	1.7	61200	878	233500	86800	69620	**PHF**	**032KF97**	**DRE**	**160MC4**	710	343
	2.0	51900	744	243400	86800	69620						
	2.3	45300	650	249400	86800	69620						
	2.7	37900	543	197000	64200	51190	**P**	**022KF97**	**DRE**	**160MC4**	730	336
	3.1	32800	470	197000	64200	51190	**PF**	**022KF97**	**DRE**	**160MC4**	630	337
							PH	**022KF97**	**DRE**	**160MC4**	740	336
							PHF	**022KF97**	**DRE**	**160MC4**	640	337
	1.9	53400	763	187400	64200	51190	**P**	**022KF87**	**DRE**	**180S4**	680	334
							PF	**022KF87**	**DRE**	**180S4**	580	335
							PH	**022KF87**	**DRE**	**180S4**	700	334
							PHF	**022KF87**	**DRE**	**180S4**	600	335
	1.9	53200	763	187700	64200	51190	**P**	**022KF87**	**DRE**	**160MC4**	650	334
	2.2	47600	683	195900	64200	51190	**PF**	**022KF87**	**DRE**	**160MC4**	550	335
	2.4	43800	628	197000	-	51190	**PH**	**022KF87**	**DRE**	**160MC4**	670	334
	2.6	39500	567	197000	64200	51190	**PHF**	**022KF87**	**DRE**	**160MC4**	570	335
	3.0	34400	493	197000	64200	51190						
	3.4	30500	438	197000	64200	51190						
	3.8	27300	392	197000	-	51190						
	3.6	28500	408	156000	46200	36810	**P**	**012KF97**	**DRE**	**160MC4**	580	330
	4.3	23800	342	156000	46200	36810	**PF**	**012KF97**	**DRE**	**160MC4**	510	331
	5.3	19400	279	156000	46200	36810	**PH**	**012KF97**	**DRE**	**160MC4**	600	330
							PHF	**012KF97**	**DRE**	**160MC4**	530	331

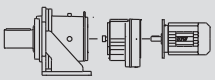
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
11.0	2.3	43900	628	156000	46200	36810	P	012KF87	DRE	180S4		530	328
	2.6	39600	567	156000	46200	36810	PF	012KF87	DRE	180S4		465	329
							PH	012KF87	DRE	180S4		550	328
							PHF	012KF87	DRE	180S4		480	329
	2.4	43800	628	156000	46200	36810	P	012KF87	DRE	160MC4		510	328
	2.6	39500	567	156000	46200	36810	PF	012KF87	DRE	160MC4		435	329
	3.0	34400	493	156000	46200	36810	PH	012KF87	DRE	160MC4		520	328
	3.4	30500	438	156000	46200	36810	PHF	012KF87	DRE	160MC4		450	329
	3.8	27300	392	156000	46200	36810							
	4.5	22700	325	156000	46200	36810							
	5.2	19700	283	156000	46200	36810							
	6.6	15600	225	148600	-	29500							
	2.4	43300	621	156000	46200	36810	P	012KF77	DRE	160MC4		470	326
	2.8	37000	530	156000	46200	36810	PF	012KF77	DRE	160MC4		400	327
							PH	012KF77	DRE	160MC4		485	326
							PHF	012KF77	DRE	160MC4		415	327
	3.8	27300	391	113800	29200	24830	P	002KF87	DRE	180S4		455	322
							PF	002KF87	DRE	180S4		395	323
							PH	002KF87	DRE	180S4		460	322
							PHF	002KF87	DRE	180S4		400	323
	3.8	27200	391	113900	29200	24830	P	002KF87	DRE	160MC4		425	322
	4.6	22600	324	120800	29200	24830	PF	002KF87	DRE	160MC4		370	323
	5.2	19600	282	124000	29200	24830	PH	002KF87	DRE	160MC4		430	322
	7.6	13600	195	115400	29200	24830	PHF	002KF87	DRE	160MC4		375	323
	9.1	11300	162	109100	29200	24830							
	10	9820	141	104600	29200	24800							
	4.0	26000	374	115800	29200	24830	P	002KF77	DRE	160MC4		390	320
							PF	002KF77	DRE	160MC4		330	321
							PH	002KF77	DRE	160MC4		395	320
							PHF	002KF77	DRE	160MC4		335	321
15.0	0.41	340900	3570	850000	631300	500000	P	102KF187	DRE	180M4		5770	376
	0.51	274000	2870	850000	631300	500000	PF	102KF187	DRE	180M4		4810	377
							PH	102KF187	DRE	180M4		5830	376
							PHF	102KF187	DRE	180M4		4870	377
	0.63	224600	2352	850000	631300	500000	P	102KF167	DRE	180M4		5140	374
	0.73	191400	2005	850000	631300	500000	PF	102KF167	DRE	180M4		4180	375
							PH	102KF167	DRE	180M4		5200	374
							PHF	102KF167	DRE	180M4		4240	375
	0.41	345400	3617	720000	513900	423000	P	092KF187	DRE	180M4		4910	372
	0.51	277700	2908	720000	513900	423000	PF	092KF187	DRE	180M4		4220	373
	0.56	249000	2608	720000	513900	423000	PH	092KF187	DRE	180M4		4920	372
	0.65	216200	2264	720000	513900	423000	PHF	092KF187	DRE	180M4		4230	373
	0.67	210900	2209	720000	513900	423000	P	092KF167	DRE	180M4		4280	370
	0.72	193900	2031	720000	513900	423000	PF	092KF167	DRE	180M4		3580	371
	0.83	168700	1767	720000	513900	423000	PH	092KF167	DRE	180M4		4300	370
	1.2	120800	1265	720000	513900	423000	PHF	092KF167	DRE	180M4		3600	371
	1.2	116600	1221	720000	513900	423000							
	1.3	107800	1129	720000	513900	423000							
	0.39	359200	3761	654600	397100	359400	P	082KF157	DRE	180M4		3410	368
	0.43	328500	3440	679800	397100	359400	PF	082KF157	DRE	180M4		2760	369
	0.64	218700	2290	683000	397100	359400	PH	082KF157	DRE	180M4		3400	368
	0.72	194500	2038	683000	397100	359400	PHF	082KF157	DRE	180M4		2750	369
	0.48	290100	3038	498400	274600	245660	P	072KF157	DRE	180M4		2750	366
							PF	072KF157	DRE	180M4		2260	367
							PH	072KF157	DRE	180M4		2800	366
							PHF	072KF157	DRE	180M4		2310	367
	0.54	258000	2703	523000	274600	245660	P	072KF127	DRE	180M4		2460	364
	0.62	227700	2385	523000	274600	245660	PF	072KF127	DRE	180M4		1970	365
	0.71	196600	2060	523000	274600	245660	PH	072KF127	DRE	180M4		2510	364
	0.81	173900	1822	523000	274600	245660	PHF	072KF127	DRE	180M4		2020	365
	0.96	146100	1531	523000	274600	245660							
	1.1	131800	1381	523000	274600	245660							

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	**0.69**	202600	2121	425300	209100	185660	**P**	**062KF127**	**DRE**	**180M4**		2040	362
	0.78	179200	1876	443500	209100	185660	**PF**	**062KF127**	**DRE**	**180M4**		1670	363
	0.93	150600	1577	462700	209100	185660	**PH**	**062KF127**	**DRE**	**180M4**		2030	362
	1.0	135800	1422	471500	209100	185660	**PHF**	**062KF127**	**DRE**	**180M4**		1660	363
	1.2	117500	1231	473000	209100	185660							
	0.89	158600	1661	457600	-	185660	**P**	**062KF107**	**DRE**	**180M4**		1840	360
	1.0	138600	1452	469800	-	185660	**PF**	**062KF107**	**DRE**	**180M4**		1480	361
	1.2	117200	1227	473000	209100	185660	**PH**	**062KF107**	**DRE**	**180M4**		1830	360
	1.3	108600	1138	473000	209100	185660	**PHF**	**062KF107**	**DRE**	**180M4**		1470	361
	1.4	98500	1033	473000	209100	185660							
	1.0	138600	1452	343700	140600	124060	**P**	**052KF107**	**DRE**	**180M4**		1360	356
	1.2	117200	1227	361800	140600	124060	**PF**	**052KF107**	**DRE**	**180M4**		1160	357
	1.4	98500	1033	364000	140600	124060	**PH**	**052KF107**	**DRE**	**180M4**		1350	356
	1.7	84700	887	364000	140600	124060	**PHF**	**052KF107**	**DRE**	**180M4**		1150	357
	1.9	73900	774	364000	140600	124060							
	1.1	128200	1343	352900	140600	124060	**P**	**052KF97**	**DRE**	**180M4**		1240	354
	1.7	83800	878	364000	140600	124060	**PF**	**052KF97**	**DRE**	**180M4**		1050	355
	2.0	71000	744	364000	140600	124060	**PH**	**052KF97**	**DRE**	**180M4**		1240	354
							PHF	**052KF97**	**DRE**	**180M4**		1040	355
	1.3	108600	1138	286500	111000	100170	**P**	**042KF107**	**DRE**	**180M4**		1220	350
							PF	**042KF107**	**DRE**	**180M4**		1030	351
							PH	**042KF107**	**DRE**	**180M4**		1220	350
							PHF	**042KF107**	**DRE**	**180M4**		1030	351
	1.3	104500	1095	291000	111000	100170	**P**	**042KF97**	**DRE**	**180M4**		1100	348
	1.5	92700	971	302900	111000	100170	**PF**	**042KF97**	**DRE**	**180M4**		910	349
	1.7	83800	878	310900	111000	100170	**PH**	**042KF97**	**DRE**	**180M4**		1100	348
	2.0	71000	744	321100	111000	100170	**PHF**	**042KF97**	**DRE**	**180M4**		910	349
	2.3	62000	650	323000	111000	100170							
	2.7	51800	543	323000	111000	100170							
	1.7	83800	878	202400	86800	69620	**P**	**032KF97**	**DRE**	**180M4**		850	342
	2.0	71000	744	221400	86800	69620	**PF**	**032KF97**	**DRE**	**180M4**		730	343
	2.3	62000	650	232600	86800	69620	**PH**	**032KF97**	**DRE**	**180M4**		870	342
	2.7	51800	543	243400	86800	69620	**PHF**	**032KF97**	**DRE**	**180M4**		750	343
	3.1	44900	470	249800	86800	69620							
	3.6	39000	408	252000	-	69620							
	2.7	51800	543	189800	64200	51190	**P**	**022KF97**	**DRE**	**180M4**		770	336
	3.1	44900	470	197000	64200	51190	**PF**	**022KF97**	**DRE**	**180M4**		670	337
	3.6	39000	408	197000	64200	51190	**PH**	**022KF97**	**DRE**	**180M4**		790	336
	4.3	32600	342	197000	64200	51190	**PHF**	**022KF97**	**DRE**	**180M4**		690	337
	4.4	31800	333	197000	64200	51190							
	5.3	26600	279	197000	64200	51190							
	6.1	23000	241	197000	64200	51190							
	2.6	54100	567	186300	64200	51190	**P**	**022KF87**	**DRE**	**180M4**		700	334
							PF	**022KF87**	**DRE**	**180M4**		600	335
							PH	**022KF87**	**DRE**	**180M4**		710	334
							PHF	**022KF87**	**DRE**	**180M4**		610	335
	3.6	39000	408	156000	46200	36810	**P**	**012KF97**	**DRE**	**180M4**		630	330
	4.3	32600	342	156000	46200	36810	**PF**	**012KF97**	**DRE**	**180M4**		560	331
	5.3	26600	279	156000	46200	36810	**PH**	**012KF97**	**DRE**	**180M4**		640	330
	6.1	23000	241	152000	46200	36810	**PHF**	**012KF97**	**DRE**	**180M4**		570	331
	7.0	19900	209	145700	46200	36810							
	8.4	16700	175	138100	46200	36810							
	3.4	41800	438	156000	46200	36810	**P**	**012KF87**	**DRE**	**180M4**		550	328
	3.8	37400	392	156000	46200	36810	**PF**	**012KF87**	**DRE**	**180M4**		480	329
							PH	**012KF87**	**DRE**	**180M4**		570	328
							PHF	**012KF87**	**DRE**	**180M4**		495	329
	6.3	22300	234	121200	29200	24830	**P**	**002KF97**	**DRE**	**180M4**		550	324
	7.2	19400	203	116900	29200	24830	**PF**	**002KF97**	**DRE**	**180M4**		490	325
							PH	**002KF97**	**DRE**	**180M4**		550	324
							PHF	**002KF97**	**DRE**	**180M4**		490	325
	5.2	26900	282	114400	29200	24830	**P**	**002KF87**	**DRE**	**180M4**		470	322
	9.1	15400	162	109200	29200	24830	**PF**	**002KF87**	**DRE**	**180M4**		415	323
	10	13400	141	104700	29200	24800	**PH**	**002KF87**	**DRE**	**180M4**		475	322
							PHF	**002KF87**	**DRE**	**180M4**		415	323

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
18.5	**0.41**	420400	3570	850000	631300	500000	**P**	**102KF187**	**DRE**	**180L4**	5780	376
	0.51	338000	2870	850000	631300	500000	**PF**	**102KF187**	**DRE**	**180L4**	4820	377
	0.57	303100	2574	850000	631300	500000	**PH**	**102KF187**	**DRE**	**180L4**	5840	376
	0.66	263200	2235	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**180L4**	4880	377
	0.73	236100	2005	850000	631300	500000	**P**	**102KF167**	**DRE**	**180L4**	5150	374
	0.89	195600	1661	850000	631300	500000	**PF**	**102KF167**	**DRE**	**180L4**	4190	375
	1.2	147000	1249	850000	631300	500000	**PH**	**102KF167**	**DRE**	**180L4**	5210	374
	1.3	131200	1114	850000	631300	500000	**PHF**	**102KF167**	**DRE**	**180L4**	4250	375
	0.41	426000	3617	720000	513900	423000	**P**	**092KF187**	**DRE**	**180L4**	4920	372
	0.51	342500	2908	720000	513900	423000	**PF**	**092KF187**	**DRE**	**180L4**	4230	373
	0.56	307200	2608	720000	513900	423000	**PH**	**092KF187**	**DRE**	**180L4**	4940	372
	0.65	266700	2264	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**180L4**	4240	373
	0.72	242000	2054	720000	513900	423000						
	0.83	208100	1767	720000	513900	423000	**P**	**092KF167**	**DRE**	**180L4**	4290	370
	0.87	198200	1683	720000	513900	423000	**PF**	**092KF167**	**DRE**	**180L4**	3600	371
	1.2	149000	1265	720000	513900	423000	**PH**	**092KF167**	**DRE**	**180L4**	4310	370
	1.2	143800	1221	720000	513900	423000	**PHF**	**092KF167**	**DRE**	**180L4**	3610	371
	1.3	132900	1129	720000	513900	423000						
	1.4	122600	1041	720000	513900	423000						
	1.5	113300	962	720000	513900	423000						
	0.43	405100	3440	610200	397100	359400	**P**	**082KF157**	**DRE**	**180L4**	3420	368
	0.49	352500	2993	660500	397100	359400	**PF**	**082KF157**	**DRE**	**180L4**	2770	369
	0.56	311100	2641	683000	397100	359400	**PH**	**082KF157**	**DRE**	**180L4**	3410	368
	0.64	269700	2290	683000	397100	359400	**PHF**	**082KF157**	**DRE**	**180L4**	2760	369
	0.72	239900	2038	683000	397100	359400						
	0.63	273700	2325	517000	274600	245660	**P**	**072KF157**	**DRE**	**180L4**	2760	366
							PF	**072KF157**	**DRE**	**180L4**	2270	367
							PH	**072KF157**	**DRE**	**180L4**	2820	366
							PHF	**072KF157**	**DRE**	**180L4**	2320	367
	0.71	242500	2060	523000	274600	245660	**P**	**072KF127**	**DRE**	**180L4**	2470	364
	0.81	214500	1822	523000	274600	245660	**PF**	**072KF127**	**DRE**	**180L4**	1980	365
	0.96	180300	1531	523000	274600	245660	**PH**	**072KF127**	**DRE**	**180L4**	2520	364
	1.1	162500	1381	523000	274600	245660	**PHF**	**072KF127**	**DRE**	**180L4**	2030	365
	0.78	221000	1876	409200	209100	185660	**P**	**062KF127**	**DRE**	**180L4**	2050	362
	0.93	185700	1577	438600	209100	185660	**PF**	**062KF127**	**DRE**	**180L4**	1680	363
	1.0	167400	1422	451700	209100	185660	**PH**	**062KF127**	**DRE**	**180L4**	2040	362
	1.2	144900	1231	466100	209100	185660	**PHF**	**062KF127**	**DRE**	**180L4**	1670	363
	1.2	144500	1227	466400	209100	185660	**P**	**062KF107**	**DRE**	**180L4**	1860	360
	1.3	133900	1138	472500	209100	185660	**PF**	**062KF107**	**DRE**	**180L4**	1490	361
	1.4	121500	1033	473000	209100	185660	**PH**	**062KF107**	**DRE**	**180L4**	1840	360
							PHF	**062KF107**	**DRE**	**180L4**	1480	361
	1.3	133900	1138	347900	140600	124060	**P**	**052KF107**	**DRE**	**180L4**	1370	356
	1.4	121500	1033	358300	140600	124060	**PF**	**052KF107**	**DRE**	**180L4**	1170	357
	1.7	104500	887	364000	140600	124060	**PH**	**052KF107**	**DRE**	**180L4**	1360	356
	1.9	91200	774	364000	140600	124060	**PHF**	**052KF107**	**DRE**	**180L4**	1160	357
	1.3	128900	1095	352300	140600	124060	**P**	**052KF97**	**DRE**	**180L4**	1260	354
							PF	**052KF97**	**DRE**	**180L4**	1060	355
							PH	**052KF97**	**DRE**	**180L4**	1250	354
							PHF	**052KF97**	**DRE**	**180L4**	1050	355
	1.7	104500	887	291100	111000	100170	**P**	**042KF107**	**DRE**	**180L4**	1230	350
							PF	**042KF107**	**DRE**	**180L4**	1040	351
							PH	**042KF107**	**DRE**	**180L4**	1230	350
							PHF	**042KF107**	**DRE**	**180L4**	1040	351
	1.7	103300	878	292300	111000	100170	**P**	**042KF97**	**DRE**	**180L4**	1110	348
	2.0	87600	744	307600	111000	100170	**PF**	**042KF97**	**DRE**	**180L4**	920	349
	2.3	76500	650	316900	111000	100170	**PH**	**042KF97**	**DRE**	**180L4**	1120	348
	2.7	64000	543	323000	111000	100170	**PHF**	**042KF97**	**DRE**	**180L4**	930	349

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
18.5	2.3	76500	650	213700	86800	69620	P	032KF97	DRE	180L4		860	342
	2.7	64000	543	230300	86800	69620	PF	032KF97	DRE	180L4		740	343
	3.1	55400	470	239800	86800	69620	PH	032KF97	DRE	180L4		890	342
	3.6	48100	408	247000	-	69620	PHF	032KF97	DRE	180L4		760	343
	2.7	64000	543	168700	64200	51190	P	022KF97	DRE	180L4		780	336
	3.1	55400	470	184200	64200	51190	PF	022KF97	DRE	180L4		680	337
	3.6	48100	408	195300	64200	51190	PH	022KF97	DRE	180L4		800	336
	4.3	40200	342	197000	64200	51190	PHF	022KF97	DRE	180L4		700	337
	4.4	39200	333	197000	64200	51190							
	5.3	32800	279	197000	64200	51190							
	6.1	28400	241	197000	64200	51190							
	3.0	58000	493	179800	64200	51190	P	022KF87	DRE	180L4		710	334
	3.4	51500	438	190200	64200	51190	PF	022KF87	DRE	180L4		610	335
							PH	022KF87	DRE	180L4		730	334
							PHF	022KF87	DRE	180L4		620	335
	4.3	40200	342	156000	46200	36810	P	012KF97	DRE	180L4		640	330
	4.4	39200	333	156000	46200	36810	PF	012KF97	DRE	180L4		570	331
	5.3	32800	279	156000	46200	36810	PH	012KF97	DRE	180L4		650	330
	6.1	28400	241	152000	46200	36810	PHF	012KF97	DRE	180L4		580	331
	7.0	24600	209	145700	46200	36810							
	8.4	20600	175	138100	46200	36810							
	3.8	46100	392	156000	46200	36810	P	012KF87	DRE	180L4		560	328
	4.5	38300	325	156000	46200	36810	PF	012KF87	DRE	180L4		490	329
							PH	012KF87	DRE	180L4		580	328
							PHF	012KF87	DRE	180L4		510	329
	6.3	27500	234	113400	29200	24830	P	002KF97	DRE	180L4		560	324
	7.2	23900	203	116900	29200	24830	PF	002KF97	DRE	180L4		500	325
	8.6	20000	170	110800	29200	24830	PH	002KF97	DRE	180L4		560	324
							PHF	002KF97	DRE	180L4		500	325
	6.0	28800	245	111200	29200	24830	P	002KF87	DRE	180L4		480	322
	6.7	25600	218	116400	29200	24830	PF	002KF87	DRE	180L4		425	323
							PH	002KF87	DRE	180L4		485	322
							PHF	002KF87	DRE	180L4		430	323
22	0.41	496600	3570	850000	631300	500000	P	102KF187	DRE	180LC4		5790	376
	0.52	399200	2870	850000	631300	500000	PF	102KF187	DRE	180LC4		4830	377
	0.57	358000	2574	850000	631300	500000	PH	102KF187	DRE	180LC4		5850	376
	0.66	310900	2235	850000	631300	500000	PHF	102KF187	DRE	180LC4		4890	377
	0.73	282100	2028	850000	631300	500000							
	0.89	231000	1661	850000	631300	500000	P	102KF167	DRE	180LC4		5160	374
	1.2	173700	1249	850000	631300	500000	PF	102KF167	DRE	180LC4		4200	375
	1.3	154900	1114	850000	631300	500000	PH	102KF167	DRE	180LC4		5220	374
	1.6	132100	949	850000	631300	500000	PHF	102KF167	DRE	180LC4		4260	375
	0.41	503200	3617	677200	513900	423000	P	092KF187	DRE	180LC4		4930	372
	0.51	404500	2908	720000	513900	423000	PF	092KF187	DRE	180LC4		4240	373
	0.57	362800	2608	720000	513900	423000	PH	092KF187	DRE	180LC4		4940	372
	0.65	315000	2264	720000	513900	423000	PHF	092KF187	DRE	180LC4		4250	373
	0.72	285800	2054	720000	513900	423000							
	0.84	246200	1770	720000	513900	423000							
	0.43	479600	3447	702500	513900	423000	P	092KF167	DRE	180LC4		4300	370
	0.48	426500	3065	720000	513900	423000	PF	092KF167	DRE	180LC4		3600	371
	1.2	176000	1265	720000	513900	423000	PH	092KF167	DRE	180LC4		4320	370
	1.2	169900	1221	720000	513900	423000	PHF	092KF167	DRE	180LC4		3620	371
	1.3	157000	1129	720000	513900	423000							
	1.4	144800	1041	720000	513900	423000							
	1.5	133800	962	720000	513900	423000							
	1.7	120000	863	720000	513900	423000							
	1.9	110900	797	720000	513900	423000							

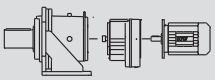
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
22	0.56	367500	2641	647200	397100	359400	P	082KF157	DRE	180LC4	3430	368
	0.65	318600	2290	683000	397100	359400	PF	082KF157	DRE	180LC4	2780	369
	0.73	283400	2038	683000	397100	359400	PH	082KF157	DRE	180LC4	3420	368
	0.84	244300	1756	683000	397100	359400	PHF	082KF157	DRE	180LC4	2770	369
	1.0	198500	1427	683000	397100	359400						
	0.72	287600	2068	501200	274600	245660	P	072KF157	DRE	180LC4	2770	366
	1.0	201400	1449	523000	274600	245660	PF	072KF157	DRE	180LC4	2280	367
							PH	072KF157	DRE	180LC4	2820	366
							PHF	072KF157	DRE	180LC4	2330	367
	0.81	253400	1822	523000	274600	245660	P	072KF127	DRE	180LC4	2480	364
	1.1	192000	1381	523000	274600	245660	PF	072KF127	DRE	180LC4	1990	365
	1.2	166200	1195	523000	274600	245660	PH	072KF127	DRE	180LC4	2530	364
	1.4	146600	1055	523000	274600	245660	PHF	072KF127	DRE	180LC4	2040	365
	1.6	126600	911	523000	274600	245660						
	0.94	219300	1577	410700	209100	185660	P	062KF127	DRE	180LC4	2060	362
	1.0	197800	1422	429200	209100	185660	PF	062KF127	DRE	180LC4	1690	363
	1.2	171200	1231	449200	209100	185660	PH	062KF127	DRE	180LC4	2050	362
	1.4	151000	1086	462400	209100	185660	PHF	062KF127	DRE	180LC4	1680	363
	1.6	130400	938	473000	209100	185660						
	1.8	115400	830	473000	209100	185660						
	2.1	96900	697	473000	209100	185660						
	1.3	158200	1138	457900	209100	185660	P	062KF107	DRE	180LC4	1860	360
	1.4	143600	1033	466900	209100	185660	PF	062KF107	DRE	180LC4	1500	361
	1.7	123400	887	473000	209100	185660	PH	062KF107	DRE	180LC4	1850	360
	1.9	107700	774	473000	209100	185660	PHF	062KF107	DRE	180LC4	1490	361
	2.2	91300	657	473000	209100	185660						
	2.6	79800	574	473000	209100	185660						
	2.6	78300	563	364000	140600	124060	P	052KF127	DRE	180LC4	1570	358
	3.0	69700	502	364000	140600	124060	PF	052KF127	DRE	180LC4	1370	359
							PH	052KF127	DRE	180LC4	1570	358
							PHF	052KF127	DRE	180LC4	1370	359
	1.7	123400	887	356800	140600	124060	P	052KF107	DRE	180LC4	1380	356
	2.2	91300	657	364000	140600	124060	PF	052KF107	DRE	180LC4	1180	357
							PH	052KF107	DRE	180LC4	1370	356
							PHF	052KF107	DRE	180LC4	1170	357
	1.5	135000	971	346900	140600	124060	P	052KF97	DRE	180LC4	1260	354
	2.7	75600	543	364000	140600	124060	PF	052KF97	DRE	180LC4	1070	355
	3.2	65400	470	364000	140600	124060	PH	052KF97	DRE	180LC4	1260	354
							PHF	052KF97	DRE	180LC4	1060	355
	3.5	58600	421	323000	111000	100170	P	042KF127	DRE	180LC4	1430	352
							PF	042KF127	DRE	180LC4	1240	353
							PH	042KF127	DRE	180LC4	1430	352
							PHF	042KF127	DRE	180LC4	1240	353
	1.9	107700	774	287500	111000	100170	P	042KF107	DRE	180LC4	1240	350
	2.6	79800	574	314200	111000	100170	PF	042KF107	DRE	180LC4	1050	351
	2.8	73300	527	319400	111000	100170	PH	042KF107	DRE	180LC4	1240	350
	3.2	63900	460	323000	111000	100170	PHF	042KF107	DRE	180LC4	1050	351
	3.8	54200	390	321200	111000	100170						
	2.0	103400	744	292100	111000	100170	P	042KF97	DRE	180LC4	1120	348
	2.3	90300	650	305100	111000	100170	PF	042KF97	DRE	180LC4	930	349
	3.6	56800	408	323000	-	100170	PH	042KF97	DRE	180LC4	1120	348
	4.3	47500	342	308600	-	100170	PHF	042KF97	DRE	180LC4	930	349
	5.1	40100	289	237400	86800	69620	P	032KF127	DRE	180LC4	1180	346
	5.8	35700	257	229300	86800	69620	PF	032KF127	DRE	180LC4	1060	347
							PH	032KF127	DRE	180LC4	1200	346
							PHF	032KF127	DRE	180LC4	1080	347
	3.8	54200	390	241000	86800	69620	P	032KF107	DRE	180LC4	990	344
	4.3	47400	341	247600	86800	69620	PF	032KF107	DRE	180LC4	870	345
	5.0	40900	294	238800	86800	69620	PH	032KF107	DRE	180LC4	1010	344
	5.5	37500	270	232800	-	69620	PHF	032KF107	DRE	180LC4	890	345
	2.7	75600	543	215000	86800	69620	P	032KF97	DRE	180LC4	870	342
	3.2	65400	470	228500	86800	69620	PF	032KF97	DRE	180LC4	750	343
	5.3	38700	279	235000	-	69620	PH	032KF97	DRE	180LC4	890	342
	6.1	33500	241	224900	-	69620	PHF	032KF97	DRE	180LC4	770	343

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
22	**6.3**	32700	236	197000	64200	51190	**P**	**022KF107**	**DRE**	**180LC4**		910	338
	7.4	27800	200	197000	64200	51190	**PF**	**022KF107**	**DRE**	**180LC4**		810	339
	8.5	24300	175	197000	64200	51190	**PH**	**022KF107**	**DRE**	**180LC4**		920	338
							PHF	**022KF107**	**DRE**	**180LC4**		820	339
	3.6	56800	408	181900	64200	51190	**P**	**022KF97**	**DRE**	**180LC4**		790	336
	4.3	47500	342	196100	64200	51190	**PF**	**022KF97**	**DRE**	**180LC4**		690	337
	4.4	46300	333	197000	64200	51190	**PH**	**022KF97**	**DRE**	**180LC4**		810	336
	5.3	38700	279	197000	64200	51190	**PHF**	**022KF97**	**DRE**	**180LC4**		710	337
	7.1	29100	209	197000	-	51190							
	8.4	24300	175	197000	64200	51190							
	3.4	60900	438	174600	64200	51190	**P**	**022KF87**	**DRE**	**180LC4**		720	334
							PF	**022KF87**	**DRE**	**180LC4**		620	335
							PH	**022KF87**	**DRE**	**180LC4**		730	334
							PHF	**022KF87**	**DRE**	**180LC4**		630	335
	5.3	38700	279	156000	46200	36810	**P**	**012KF97**	**DRE**	**180LC4**		650	330
	6.1	33500	241	151700	46200	36810	**PF**	**012KF97**	**DRE**	**180LC4**		580	331
	7.1	29100	209	145400	46200	36810	**PH**	**012KF97**	**DRE**	**180LC4**		660	330
	8.4	24300	175	137800	46200	36810	**PHF**	**012KF97**	**DRE**	**180LC4**		590	331
	4.6	45200	325	156000	46200	36810	**P**	**012KF87**	**DRE**	**180LC4**		570	328
	5.1	40400	291	156000	46200	36810	**PF**	**012KF87**	**DRE**	**180LC4**		500	329
	5.2	39300	283	156000	46200	36810	**PH**	**012KF87**	**DRE**	**180LC4**		590	328
							PHF	**012KF87**	**DRE**	**180LC4**		520	329
	7.3	28200	203	112200	29200	24830	**P**	**002KF97**	**DRE**	**180LC4**		570	324
							PF	**002KF97**	**DRE**	**180LC4**		510	325
							PH	**002KF97**	**DRE**	**180LC4**		570	324
							PHF	**002KF97**	**DRE**	**180LC4**		510	325
	7.6	27100	195	114100	29200	24830	**P**	**002KF87**	**DRE**	**180LC4**		490	322
							PF	**002KF87**	**DRE**	**180LC4**		435	323
							PH	**002KF87**	**DRE**	**180LC4**		495	322
							PHF	**002KF87**	**DRE**	**180LC4**		435	323
30	**0.51**	546200	2870	850000	631300	500000	**P**	**102KF187**	**DRE**	**200L4**		5890	376
	0.57	489900	2574	850000	631300	500000	**PF**	**102KF187**	**DRE**	**200L4**		4930	377
	0.66	425400	2235	850000	631300	500000	**PH**	**102KF187**	**DRE**	**200L4**		5950	376
	0.73	385900	2028	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**200L4**		4990	377
	0.84	332400	1747	850000	631300	500000							
	1.0	279400	1468	850000	631300	500000							
	1.2	237600	1249	850000	631300	500000	**P**	**102KF167**	**DRE**	**200L4**		5260	374
	1.3	212000	1114	850000	631300	500000	**PF**	**102KF167**	**DRE**	**200L4**		4300	375
	1.6	180700	949	850000	631300	500000	**PH**	**102KF167**	**DRE**	**200L4**		5320	374
	1.9	149700	787	850000	631300	500000	**PHF**	**102KF167**	**DRE**	**200L4**		4360	375
	2.2	127800	671	850000	631300	500000							
	0.57	496500	2608	684600	513900	423000	**P**	**092KF187**	**DRE**	**200L4**		5030	372
	0.65	431000	2264	720000	513900	423000	**PF**	**092KF187**	**DRE**	**200L4**		4340	373
	0.72	391100	2054	720000	513900	423000	**PH**	**092KF187**	**DRE**	**200L4**		5040	372
	0.83	336900	1770	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**200L4**		4350	373
	0.99	283100	1487	720000	513900	423000							
	1.2	245100	1288	720000	513900	423000							
	0.62	453600	2383	720000	513900	423000	**P**	**092KF167**	**DRE**	**200L4**		4400	370
	1.4	198200	1041	720000	513900	423000	**PF**	**092KF167**	**DRE**	**200L4**		3700	371
	1.5	183100	962	720000	513900	423000	**PH**	**092KF167**	**DRE**	**200L4**		4420	370
	1.7	164200	863	720000	513900	423000	**PHF**	**092KF167**	**DRE**	**200L4**		3720	371
	1.8	151700	797	720000	513900	423000							
	2.0	140100	736	720000	513900	423000							
	2.2	129500	680	720000	513900	423000							
	2.3	123400	649	720000	513900	423000							
	2.6	110100	579	720000	513900	423000							
	0.72	387800	2038	627800	397100	359400	**P**	**082KF157**	**DRE**	**200L4**		3530	368
	0.84	334300	1756	675900	397100	359400	**PF**	**082KF157**	**DRE**	**200L4**		2880	369
	1.0	271600	1427	683000	397100	359400	**PH**	**082KF157**	**DRE**	**200L4**		3520	368
	1.3	223600	1175	683000	397100	359400	**PHF**	**082KF157**	**DRE**	**200L4**		2870	369
	1.4	197300	1037	683000	397100	359400							

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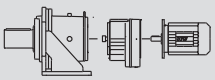
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
30	**1.0**	275600	1449	514900	274600	245660	**P**	**072KF157**	**DRE**	**200L4**	2870	366
							PF	**072KF157**	**DRE**	**200L4**	2380	367
							PH	**072KF157**	**DRE**	**200L4**	2920	366
							PHF	**072KF157**	**DRE**	**200L4**	2430	367
	1.1	262700	1381	523000	274600	245660	**P**	**072KF127**	**DRE**	**200L4**	2580	364
	1.2	227400	1195	523000	274600	245660	**PF**	**072KF127**	**DRE**	**200L4**	2090	365
	1.4	200600	1055	523000	274600	245660	**PH**	**072KF127**	**DRE**	**200L4**	2630	364
	1.6	173200	911	523000	274600	245660	**PHF**	**072KF127**	**DRE**	**200L4**	2140	365
	1.8	153200	806	523000	274600	245660						
	1.4	206700	1086	421800	209100	185660	**P**	**062KF127**	**DRE**	**200L4**	2160	362
	1.6	178500	938	444000	209100	185660	**PF**	**062KF127**	**DRE**	**200L4**	1790	363
	1.8	157900	830	458100	209100	185660	**PH**	**062KF127**	**DRE**	**200L4**	2150	362
	2.1	132700	697	473000	209100	185660	**PHF**	**062KF127**	**DRE**	**200L4**	1780	363
	2.6	107100	563	473000	209100	185660						
	1.4	196500	1033	430200	209100	185660	**P**	**062KF107**	**DRE**	**200L4**	1960	360
	1.7	168900	887	450800	209100	185660	**PF**	**062KF107**	**DRE**	**200L4**	1600	361
	1.9	147400	774	464600	209100	185660	**PH**	**062KF107**	**DRE**	**200L4**	1950	360
							PHF	**062KF107**	**DRE**	**200L4**	1590	361
	2.6	107100	563	364000	140600	124060	**P**	**052KF127**	**DRE**	**200L4**	1670	358
	2.9	95400	502	364000	140600	124060	**PF**	**052KF127**	**DRE**	**200L4**	1470	359
	3.5	80200	421	364000	140600	124060	**PH**	**052KF127**	**DRE**	**200L4**	1660	358
							PHF	**052KF127**	**DRE**	**200L4**	1460	359
	2.2	125000	657	355500	140600	124060	**P**	**052KF107**	**DRE**	**200L4**	1480	356
	3.8	74200	390	364000	140600	124060	**PF**	**052KF107**	**DRE**	**200L4**	1280	357
							PH	**052KF107**	**DRE**	**200L4**	1470	356
							PHF	**052KF107**	**DRE**	**200L4**	1270	357
	3.5	80200	421	313900	111000	100170	**P**	**042KF127**	**DRE**	**200L4**	1530	352
	4.3	64800	341	308600	111000	100170	**PF**	**042KF127**	**DRE**	**200L4**	1340	353
							PH	**042KF127**	**DRE**	**200L4**	1530	352
							PHF	**042KF127**	**DRE**	**200L4**	1340	353
	2.6	109200	574	285800	111000	100170	**P**	**042KF107**	**DRE**	**200L4**	1330	350
	2.8	100300	527	295500	111000	100170	**PF**	**042KF107**	**DRE**	**200L4**	1140	351
	3.2	87500	460	307600	111000	100170	**PH**	**042KF107**	**DRE**	**200L4**	1340	350
	3.8	74200	390	318700	111000	100170	**PHF**	**042KF107**	**DRE**	**200L4**	1150	351
	4.3	64900	341	308600	111000	100170						
	2.7	103400	543	292200	111000	100170	**P**	**042KF97**	**DRE**	**200L4**	1220	348
							PF	**042KF97**	**DRE**	**200L4**	1030	349
							PH	**042KF97**	**DRE**	**200L4**	1220	348
							PHF	**042KF97**	**DRE**	**200L4**	1030	349
	5.1	54900	289	237700	86800	69620	**P**	**032KF127**	**DRE**	**200L4**	1280	346
	5.7	48900	257	229500	86800	69620	**PF**	**032KF127**	**DRE**	**200L4**	1160	347
							PH	**032KF127**	**DRE**	**200L4**	1300	346
							PHF	**032KF127**	**DRE**	**200L4**	1180	347
	3.8	74200	390	217000	86800	69620	**P**	**032KF107**	**DRE**	**200L4**	1090	344
	4.3	64900	341	229200	86800	69620	**PF**	**032KF107**	**DRE**	**200L4**	970	345
	5.0	56000	294	239100	86800	69620	**PH**	**032KF107**	**DRE**	**200L4**	1110	344
	5.5	51400	270	233000	-	69620	**PHF**	**032KF107**	**DRE**	**200L4**	990	345
	6.3	44800	236	223600	-	69620						
	5.3	53000	279	235100	-	69620	**P**	**032KF97**	**DRE**	**200L4**	970	342
	6.1	45900	241	225200	-	69620	**PF**	**032KF97**	**DRE**	**200L4**	850	343
	8.4	33300	175	204600	86800	52400	**PH**	**032KF97**	**DRE**	**200L4**	990	342
							PHF	**032KF97**	**DRE**	**200L4**	870	343
	6.3	44800	236	197000	64200	51190	**P**	**022KF107**	**DRE**	**200L4**	1010	338
	7.4	38000	200	197000	64200	51190	**PF**	**022KF107**	**DRE**	**200L4**	910	339
	8.4	33200	175	197000	64200	51190	**PH**	**022KF107**	**DRE**	**200L4**	1020	338
							PHF	**022KF107**	**DRE**	**200L4**	920	339
	4.4	63300	333	169900	64200	51190	**P**	**022KF97**	**DRE**	**200L4**	890	336
	5.3	53000	279	188000	64200	51190	**PF**	**022KF97**	**DRE**	**200L4**	790	337
	6.1	45900	241	197000	64200	51190	**PH**	**022KF97**	**DRE**	**200L4**	910	336
	8.4	33300	175	197000	64200	51190	**PHF**	**022KF97**	**DRE**	**200L4**	810	337
	8.4	33200	175	137900	46200	36810	**P**	**012KF107**	**DRE**	**200L4**	860	332
							PF	**012KF107**	**DRE**	**200L4**	790	333
							PH	**012KF107**	**DRE**	**200L4**	870	332
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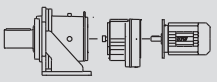
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					f_{LC}<=7.5	f_{LC}>107.5							
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	7.0	39800	209	145500	46200	36810	**PF**	**012KF97**	**DRE**	**200L4**		670	331
	8.4	33300	175	138000	46200	36810	**PH**	**012KF97**	**DRE**	**200L4**		760	330
							PHF	**012KF97**	**DRE**	**200L4**		690	331
37	**0.57**	603400	2574	810100	631300	500000	**P**	**102KF187**	**DRE**	**225S4**		5920	376
	0.66	523900	2235	850000	631300	500000	**PF**	**102KF187**	**DRE**	**225S4**		4960	377
	0.73	475400	2028	850000	631300	500000	**PH**	**102KF187**	**DRE**	**225S4**		5980	376
	0.85	409500	1747	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**225S4**		5020	377
	1.0	344100	1468	850000	631300	500000							
	1.2	297900	1271	850000	631300	500000							
	0.56	617900	2636	798600	631300	500000	**P**	**102KF167**	**DRE**	**225S4**		5290	374
	0.63	551300	2352	848400	631300	500000	**PF**	**102KF167**	**DRE**	**225S4**		4330	375
	1.6	222600	949	850000	631300	500000	**PH**	**102KF167**	**DRE**	**225S4**		5350	374
	1.9	184400	787	850000	631300	500000	**PHF**	**102KF167**	**DRE**	**225S4**		4390	375
	2.2	157400	671	850000	631300	500000							
	0.65	530900	2264	645000	513900	423000	**P**	**092KF187**	**DRE**	**225S4**		5060	372
	0.72	481700	2054	700300	513900	423000	**PF**	**092KF187**	**DRE**	**225S4**		4370	373
	0.83	414900	1770	720000	513900	423000	**PH**	**092KF187**	**DRE**	**225S4**		5080	372
	0.99	348700	1487	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**225S4**		4380	373
	1.2	301900	1288	720000	513900	423000							
	1.4	251600	1073	720000	513900	423000							
	1.6	214500	915	720000	513900	423000							
	0.73	476200	2031	706000	513900	423000	**P**	**092KF167**	**DRE**	**225S4**		4440	370
	1.7	202200	863	720000	513900	423000	**PF**	**092KF167**	**DRE**	**225S4**		3740	371
	1.8	186900	797	720000	513900	423000	**PH**	**092KF167**	**DRE**	**225S4**		4450	370
	2.0	172600	736	720000	513900	423000	**PHF**	**092KF167**	**DRE**	**225S4**		3750	371
	2.2	159500	680	720000	513900	423000							
	2.3	152000	649	720000	513900	423000							
	2.6	135600	579	720000	513900	423000							
	3.0	115600	493	720000	513900	423000							
	0.84	411700	1756	603300	397100	359400	**P**	**082KF157**	**DRE**	**225S4**		3560	368
	1.0	334500	1427	675700	397100	359400	**PF**	**082KF157**	**DRE**	**225S4**		2910	369
	1.3	275400	1175	683000	397100	359400	**PH**	**082KF157**	**DRE**	**225S4**		3550	368
	1.4	243000	1037	683000	397100	359400	**PHF**	**082KF157**	**DRE**	**225S4**		2900	369
	1.6	210700	899	683000	397100	359400							
	1.2	280100	1195	510000	274600	245660	**P**	**072KF127**	**DRE**	**225S4**		2610	364
	1.4	247100	1055	523000	274600	245660	**PF**	**072KF127**	**DRE**	**225S4**		2120	365
	1.6	213400	911	523000	274600	245660	**PH**	**072KF127**	**DRE**	**225S4**		2670	364
	1.8	188700	806	523000	274600	245660	**PHF**	**072KF127**	**DRE**	**225S4**		2180	365
	2.2	158600	677	523000	274600	245660							
	1.8	194400	830	431900	209100	185660	**P**	**062KF127**	**DRE**	**225S4**		2190	362
	2.1	163400	697	454500	209100	185660	**PF**	**062KF127**	**DRE**	**225S4**		1830	363
	2.6	132000	563	473000	209100	185660	**PH**	**062KF127**	**DRE**	**225S4**		2180	362
	2.9	117500	502	473000	209100	185660	**PHF**	**062KF127**	**DRE**	**225S4**		1820	363
	3.5	98800	421	473000	209100	185660							
	1.7	208000	887	420700	209100	185660	**P**	**062KF107**	**DRE**	**225S4**		2000	360
							PF	**062KF107**	**DRE**	**225S4**		1630	361
							PH	**062KF107**	**DRE**	**225S4**		1980	360
							PHF	**062KF107**	**DRE**	**225S4**		1620	361
	2.6	132000	563	349600	140600	124060	**P**	**052KF127**	**DRE**	**225S4**		1710	358
	2.9	117500	502	361500	140600	124060	**PF**	**052KF127**	**DRE**	**225S4**		1510	359
	3.5	98800	421	364000	140600	124060	**PH**	**052KF127**	**DRE**	**225S4**		1700	358
	4.3	79800	341	355600	140600	124060	**PHF**	**052KF127**	**DRE**	**225S4**		1500	359
	3.8	91400	390	364000	140600	124060	**P**	**052KF107**	**DRE**	**225S4**		1510	356
	4.3	79900	341	355900	140600	124060	**PF**	**052KF107**	**DRE**	**225S4**		1310	357
							PH	**052KF107**	**DRE**	**225S4**		1500	356
							PHF	**052KF107**	**DRE**	**225S4**		1300	357
	2.7	127400	543	353600	140600	124060	**P**	**052KF97**	**DRE**	**225S4**		1400	354
							PF	**052KF97**	**DRE**	**225S4**		1200	355
							PH	**052KF97**	**DRE**	**225S4**		1390	354
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SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
37	**3.5**	98800	421	297000	111000	100170	**P**	**042KF127**	**DRE**	**225S4**	1560	352
	4.3	79800	341	308400	111000	100170	**PF**	**042KF127**	**DRE**	**225S4**	1370	353
							PH	**042KF127**	**DRE**	**225S4**	1560	352
							PHF	**042KF127**	**DRE**	**225S4**	1380	353
	3.2	107800	460	287400	111000	100170	**P**	**042KF107**	**DRE**	**225S4**	1370	350
	3.8	91400	390	304100	111000	100170	**PF**	**042KF107**	**DRE**	**225S4**	1180	351
	4.3	79900	341	308600	111000	100170	**PH**	**042KF107**	**DRE**	**225S4**	1370	350
							PHF	**042KF107**	**DRE**	**225S4**	1180	351
	5.1	67600	289	225800	86800	69620	**P**	**032KF127**	**DRE**	**225S4**	1310	346
	5.8	60200	257	229400	86800	69620	**PF**	**032KF127**	**DRE**	**225S4**	1190	347
							PH	**032KF127**	**DRE**	**225S4**	1340	346
							PHF	**032KF127**	**DRE**	**225S4**	1210	347
	4.3	79900	341	208600	86800	69620	**P**	**032KF107**	**DRE**	**225S4**	1120	344
	5.0	69000	294	224100	86800	69620	**PF**	**032KF107**	**DRE**	**225S4**	1000	345
	7.4	46800	200	212800	-	69620	**PH**	**032KF107**	**DRE**	**225S4**	1140	344
	8.4	40900	175	204400	86800	69620	**PHF**	**032KF107**	**DRE**	**225S4**	1020	345
	6.3	55200	236	184400	64200	51190	**P**	**022KF107**	**DRE**	**225S4**	1040	338
	7.4	46800	200	197000	64200	51190	**PF**	**022KF107**	**DRE**	**225S4**	940	339
	8.4	40900	175	197000	64200	51190	**PH**	**022KF107**	**DRE**	**225S4**	1050	338
							PHF	**022KF107**	**DRE**	**225S4**	950	339
	6.1	56500	241	182300	64200	51190	**P**	**022KF97**	**DRE**	**225S4**	930	336
							PF	**022KF97**	**DRE**	**225S4**	820	337
							PH	**022KF97**	**DRE**	**225S4**	940	336
							PHF	**022KF97**	**DRE**	**225S4**	840	337
	8.4	40900	175	137800	46200	36810	**P**	**012KF107**	**DRE**	**225S4**	890	332
							PF	**012KF107**	**DRE**	**225S4**	820	333
							PH	**012KF107**	**DRE**	**225S4**	910	332
							PHF	**012KF107**	**DRE**	**225S4**	840	333
	8.4	41000	175	137900	46200	36810	**P**	**012KF97**	**DRE**	**225S4**	780	330
							PF	**012KF97**	**DRE**	**225S4**	710	331
							PH	**012KF97**	**DRE**	**225S4**	790	330
							PHF	**012KF97**	**DRE**	**225S4**	720	331
45	**0.73**	577800	2028	829500	631300	500000	**P**	**102KF187**	**DRE**	**225M4**	5940	376
	0.85	497700	1747	850000	631300	500000	**PF**	**102KF187**	**DRE**	**225M4**	4980	377
	1.0	418200	1468	850000	631300	500000	**PH**	**102KF187**	**DRE**	**225M4**	6000	376
	1.2	362100	1271	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**225M4**	5040	377
	1.4	301800	1059	850000	631300	500000						
	1.6	257300	903	850000	631300	500000						
	0.74	571200	2005	834300	631300	500000	**P**	**102KF167**	**DRE**	**225M4**	5310	374
	1.9	224100	787	850000	631300	500000	**PF**	**102KF167**	**DRE**	**225M4**	4350	375
	2.2	191300	671	850000	631300	500000	**PH**	**102KF167**	**DRE**	**225M4**	5370	374
							PHF	**102KF167**	**DRE**	**225M4**	4410	375
	0.84	504300	1770	676000	513900	423000	**P**	**092KF187**	**DRE**	**225M4**	5080	372
	0.99	423800	1487	720000	513900	423000	**PF**	**092KF187**	**DRE**	**225M4**	4390	373
	1.2	367000	1288	720000	513900	423000	**PH**	**092KF187**	**DRE**	**225M4**	5100	372
	1.4	305800	1073	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**225M4**	4400	373
	1.6	260700	915	720000	513900	423000						
	1.9	221000	776	720000	513900	423000						
	0.84	503500	1767	676900	513900	423000	**P**	**092KF167**	**DRE**	**225M4**	4450	370
	0.88	479600	1683	702600	513900	423000	**PF**	**092KF167**	**DRE**	**225M4**	3760	371
	2.2	193800	680	720000	513900	423000	**PH**	**092KF167**	**DRE**	**225M4**	4470	370
	2.3	184800	649	720000	513900	423000	**PHF**	**092KF167**	**DRE**	**225M4**	3770	371
	2.6	164800	579	720000	513900	423000						
	3.0	140500	493	720000	513900	423000						
	3.6	116400	409	720000	513900	423000						
	1.3	334700	1175	675500	397100	359400	**P**	**082KF157**	**DRE**	**225M4**	3580	368
	1.4	295400	1037	683000	397100	359400	**PF**	**082KF157**	**DRE**	**225M4**	2930	369
	1.6	256100	899	683000	397100	359400	**PH**	**082KF157**	**DRE**	**225M4**	3570	368
	1.8	227800	800	683000	397100	359400	**PHF**	**082KF157**	**DRE**	**225M4**	2920	369
	2.1	196400	689	683000	397100	359400						
	2.6	161900	568	523000	274600	245660	**P**	**072KF157**	**DRE**	**225M4**	2920	366
	3.1	137300	482	523000	274600	245660	**PF**	**072KF157**	**DRE**	**225M4**	2430	367
							PH	**072KF157**	**DRE**	**225M4**	2980	366
							PHF	**072KF157**	**DRE**	**225M4**	2480	367

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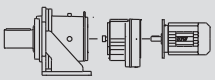
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
45	**1.6**	259400	911	523000	274600	245660	**P**	**072KF127**	**DRE**	**225M4**		2630	364
	1.8	229400	806	523000	274600	245660	**PF**	**072KF127**	**DRE**	**225M4**		2140	365
	2.2	192800	677	523000	274600	245660	**PH**	**072KF127**	**DRE**	**225M4**		2680	364
	2.7	155700	547	523000	274600	245660	**PHF**	**072KF127**	**DRE**	**225M4**		2190	365
	3.0	138700	487	523000	-	245660							
	3.6	116600	409	523000	-	245660							
	2.1	198600	697	428500	209100	185660	**P**	**062KF127**	**DRE**	**225M4**		2210	362
	2.6	160400	563	456400	209100	185660	**PF**	**062KF127**	**DRE**	**225M4**		1840	363
	3.0	142900	502	467300	209100	185660	**PH**	**062KF127**	**DRE**	**225M4**		2200	362
	3.5	120100	421	473000	209100	185660	**PHF**	**062KF127**	**DRE**	**225M4**		1830	363
	4.3	97000	341	444600	209100	185660							
	2.2	187100	657	437500	209100	185660	**P**	**062KF107**	**DRE**	**225M4**		2010	360
							PF	**062KF107**	**DRE**	**225M4**		1650	361
							PH	**062KF107**	**DRE**	**225M4**		2000	360
							PHF	**062KF107**	**DRE**	**225M4**		1640	361
	3.0	142900	502	339700	140600	124060	**P**	**052KF127**	**DRE**	**225M4**		1720	358
	3.5	120100	421	359500	140600	124060	**PF**	**052KF127**	**DRE**	**225M4**		1520	359
	4.3	97000	341	355600	140600	124060	**PH**	**052KF127**	**DRE**	**225M4**		1720	358
							PHF	**052KF127**	**DRE**	**225M4**		1520	359
	3.1	134000	470	347800	140600	124060	**P**	**052KF97**	**DRE**	**225M4**		1420	354
							PF	**052KF97**	**DRE**	**225M4**		1220	355
							PH	**052KF97**	**DRE**	**225M4**		1410	354
							PHF	**052KF97**	**DRE**	**225M4**		1210	355
	4.3	97000	341	298800	111000	100170	**P**	**042KF127**	**DRE**	**225M4**		1580	352
	5.1	82200	289	293500	111000	100170	**PF**	**042KF127**	**DRE**	**225M4**		1390	353
	5.8	73200	257	283400	111000	100170	**PH**	**042KF127**	**DRE**	**225M4**		1580	352
							PHF	**042KF127**	**DRE**	**225M4**		1390	353
	5.1	82200	289	204900	86800	69620	**P**	**032KF127**	**DRE**	**225M4**		1330	346
	5.8	73200	257	218400	86800	69620	**PF**	**032KF127**	**DRE**	**225M4**		1210	347
	6.8	61500	216	217800	86800	69620	**PH**	**032KF127**	**DRE**	**225M4**		1350	346
	8.5	49700	175	204200	86800	69620	**PHF**	**032KF127**	**DRE**	**225M4**		1230	347
	5.0	83800	294	202300	86800	69620	**P**	**032KF107**	**DRE**	**225M4**		1140	344
							PF	**032KF107**	**DRE**	**225M4**		1020	345
							PH	**032KF107**	**DRE**	**225M4**		1160	344
							PHF	**032KF107**	**DRE**	**225M4**		1040	345
	7.4	56900	200	181600	64200	51190	**P**	**022KF107**	**DRE**	**225M4**		1060	338
							PF	**022KF107**	**DRE**	**225M4**		960	339
							PH	**022KF107**	**DRE**	**225M4**		1070	338
							PHF	**022KF107**	**DRE**	**225M4**		970	339
55	**0.84**	609600	1747	805200	631300	500000	**P**	**102KF187**	**DRE**	**250M4**		6070	376
	1.0	512300	1468	850000	631300	500000	**PF**	**102KF187**	**DRE**	**250M4**		5120	377
	1.2	443600	1271	850000	631300	500000	**PH**	**102KF187**	**DRE**	**250M4**		6130	376
	1.4	369600	1059	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**250M4**		5180	377
	1.6	315100	903	850000	631300	500000							
	1.9	267200	766	850000	631300	500000							
	0.89	579600	1661	828100	631300	500000	**P**	**102KF167**	**DRE**	**250M4**		5440	374
	2.2	234300	671	850000	631300	500000	**PF**	**102KF167**	**DRE**	**250M4**		4490	375
							PH	**102KF167**	**DRE**	**250M4**		5500	374
							PHF	**102KF167**	**DRE**	**250M4**		4550	375
	0.99	519000	1487	659100	513900	423000	**P**	**092KF187**	**DRE**	**250M4**		5220	372
	1.2	449400	1288	720000	513900	423000	**PF**	**092KF187**	**DRE**	**250M4**		4520	373
	1.4	374500	1073	720000	513900	423000	**PH**	**092KF187**	**DRE**	**250M4**		5230	372
	1.6	319300	915	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**250M4**		4530	373
	1.9	270700	776	720000	513900	423000							
	2.2	233100	668	720000	513900	423000							
	1.0	501200	1436	679400	513900	423000	**P**	**092KF167**	**DRE**	**250M4**		4590	370
	1.2	441400	1265	720000	513900	423000	**PF**	**092KF167**	**DRE**	**250M4**		3890	371
	1.2	426200	1221	720000	513900	423000	**PH**	**092KF167**	**DRE**	**250M4**		4600	370
	2.6	201900	579	720000	513900	423000	**PHF**	**092KF167**	**DRE**	**250M4**		3900	371
	3.0	172100	493	720000	513900	423000							
	3.6	142600	409	720000	513900	423000							
	4.2	121700	349	720000	513900	423000							

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
55	1.3	410000	1175	605100	397100	359400	P	082KF157	DRE	250M4	3720	368
	1.4	361800	1037	652300	397100	359400	PF	082KF157	DRE	250M4	3070	369
	1.6	313700	899	683000	397100	359400	PH	082KF157	DRE	250M4	3710	368
	1.8	279100	800	683000	397100	359400	PHF	082KF157	DRE	250M4	3060	369
	2.1	240500	689	683000	397100	359400						
	2.6	198300	568	523000	274600	245660	P	072KF157	DRE	250M4	3060	366
	3.1	168200	482	523000	274600	245660	PF	072KF157	DRE	250M4	2570	367
							PH	072KF157	DRE	250M4	3110	366
							PHF	072KF157	DRE	250M4	2620	367
	1.8	281000	806	508900	274600	245660	P	072KF127	DRE	250M4	2770	364
	2.2	236200	677	523000	274600	245660	PF	072KF127	DRE	250M4	2270	365
	3.0	169900	487	523000	-	245660	PH	072KF127	DRE	250M4	2820	364
	3.6	142800	409	523000	-	245660	PHF	072KF127	DRE	250M4	2330	365
	2.6	196400	563	430300	209100	185660	P	062KF127	DRE	250M4	2340	362
	2.9	175000	502	446500	209100	185660	PF	062KF127	DRE	250M4	1980	363
	3.5	147000	421	464900	209100	185660	PH	062KF127	DRE	250M4	2330	362
	4.3	118700	341	444900	209100	185660	PHF	062KF127	DRE	250M4	1970	363
	4.3	118700	341	355900	140600	124060	P	052KF127	DRE	250M4	1860	358
	5.1	100700	289	338600	140600	124060	PF	052KF127	DRE	250M4	1660	359
							PH	052KF127	DRE	250M4	1850	358
							PHF	052KF127	DRE	250M4	1650	359
	5.1	100700	289	293600	111000	100170	P	042KF127	DRE	250M4	1710	352
	5.7	89700	257	283600	111000	100170	PF	042KF127	DRE	250M4	1520	353
	6.8	75300	216	269100	111000	100170	PH	042KF127	DRE	250M4	1720	352
	8.4	60800	175	252500	111000	100170	PHF	042KF127	DRE	250M4	1530	353
	6.8	75300	216	215300	86800	69620	P	032KF127	DRE	250M4	1470	346
	8.4	60800	175	204400	86800	69620	PF	032KF127	DRE	250M4	1350	347
							PH	032KF127	DRE	250M4	1490	346
							PHF	032KF127	DRE	250M4	1370	347
75	1.2	602800	1271	810500	631300	500000	P	102KF187	DRE	280S4	6150	376
	1.4	502300	1059	850000	631300	500000	PF	102KF187	DRE	280S4	5190	377
	1.6	428300	903	850000	631300	500000	PH	102KF187	DRE	280S4	6210	376
	1.9	363100	766	850000	631300	500000	PHF	102KF187	DRE	280S4	5250	377
	2.2	312800	660	850000	631300	500000						
	2.7	262800	554	850000	631300	500000						
	1.2	592200	1249	818700	631300	500000	P	102KF167	DRE	280S4	5520	374
	1.3	528300	1114	850000	631300	500000	PF	102KF167	DRE	280S4	4560	375
							PH	102KF167	DRE	280S4	5580	374
							PHF	102KF167	DRE	280S4	4620	375
	1.4	509000	1073	670700	513900	423000	P	092KF187	DRE	280S4	5290	372
	1.6	433900	915	720000	513900	423000	PF	092KF187	DRE	280S4	4600	373
	1.9	367900	776	720000	513900	423000	PH	092KF187	DRE	280S4	5310	372
	2.2	316900	668	720000	513900	423000	PHF	092KF187	DRE	280S4	4610	373
	2.6	266300	561	720000	513900	423000						
	3.0	230600	486	720000	513900	423000						
	1.4	493700	1041	687600	513900	423000	P	092KF167	DRE	280S4	4660	370
	1.5	456200	962	720000	513900	423000	PF	092KF167	DRE	280S4	3970	371
	3.6	193800	409	720000	513900	423000	PH	092KF167	DRE	280S4	4680	370
	4.2	165400	349	720000	513900	423000	PHF	092KF167	DRE	280S4	3980	371
	1.8	379300	800	636100	397100	359400	P	082KF157	DRE	280S4	3790	368
	2.2	326900	689	680900	397100	359400	PF	082KF157	DRE	280S4	3140	369
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							PHF	082KF157	DRE	280S4	3130	369

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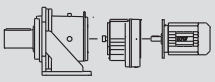
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
75	**2.6**	269600	568	521500	274600	245660	**P**	**072KF157**	**DRE** **280S4**	3130	366
	3.1	228600	482	523000	274600	245660	**PF**	**072KF157**	**DRE** **280S4**	2640	367
	3.5	202500	429	523000	274600	245660	**PH**	**072KF157**	**DRE** **280S4**	3190	366
	4.0	174600	369	523000	274600	245660	**PHF**	**072KF157**	**DRE** **280S4**	2700	367
	5.0	141800	300	494900	274600	245660					
	5.8	120300	254	471200	274600	245660					
	2.7	259200	547	523000	274600	245660	**P**	**072KF127**	**DRE** **280S4**	2840	364
							PF	**072KF127**	**DRE** **280S4**	2350	365
							PH	**072KF127**	**DRE** **280S4**	2890	364
							PHF	**072KF127**	**DRE** **280S4**	2400	365
	3.5	199800	421	427500	209100	185660	**P**	**062KF127**	**DRE** **280S4**	2420	362
	4.4	161400	341	444300	209100	185660	**PF**	**062KF127**	**DRE** **280S4**	2050	363
							PH	**062KF127**	**DRE** **280S4**	2410	362
							PHF	**062KF127**	**DRE** **280S4**	2040	363
	5.1	136800	289	338200	140600	124060	**P**	**052KF127**	**DRE** **280S4**	1930	358
	8.5	82700	175	290900	140600	124060	**PF**	**052KF127**	**DRE** **280S4**	1730	359
							PH	**052KF127**	**DRE** **280S4**	1930	358
							PHF	**052KF127**	**DRE** **280S4**	1730	359
	6.8	102400	216	268900	111000	100170	**P**	**042KF127**	**DRE** **280S4**	1790	352
	8.5	82700	175	252200	111000	100170	**PF**	**042KF127**	**DRE** **280S4**	1600	353
							PH	**042KF127**	**DRE** **280S4**	1790	352
							PHF	**042KF127**	**DRE** **280S4**	1600	353
	8.5	82700	175	204100	86800	69620	**P**	**032KF127**	**DRE** **280S4**	1540	346
							PF	**032KF127**	**DRE** **280S4**	1420	347
							PH	**032KF127**	**DRE** **280S4**	1560	346
							PHF	**032KF127**	**DRE** **280S4**	1440	347
90	**1.4**	602800	1059	810500	631300	500000	**P**	**102KF187**	**DRE** **280M4**	6150	376
	1.6	514000	903	850000	631300	500000	**PF**	**102KF187**	**DRE** **280M4**	5190	377
	1.9	435700	766	850000	631300	500000	**PH**	**102KF187**	**DRE** **280M4**	6210	376
	2.2	375300	660	850000	631300	500000	**PHF**	**102KF187**	**DRE** **280M4**	5250	377
	2.7	315400	554	850000	631300	500000					
	3.1	273100	480	850000	631300	500000					
	1.6	540400	949	850000	631300	500000	**P**	**102KF167**	**DRE** **280M4**	5520	374
							PF	**102KF167**	**DRE** **280M4**	4560	375
							PH	**102KF167**	**DRE** **280M4**	5580	374
							PHF	**102KF167**	**DRE** **280M4**	4620	375
	1.6	520700	915	657100	513900	423000	**P**	**092KF187**	**DRE** **280M4**	5290	372
	1.9	441400	776	720000	513900	423000	**PF**	**092KF187**	**DRE** **280M4**	4600	373
	2.2	380300	668	720000	513900	423000	**PH**	**092KF187**	**DRE** **280M4**	5310	372
	2.6	319600	561	720000	513900	423000	**PHF**	**092KF187**	**DRE** **280M4**	4610	373
	3.0	276700	486	720000	513900	423000					
	3.6	230600	405	720000	513900	423000					
	1.7	490900	863	690600	513900	423000	**P**	**092KF167**	**DRE** **280M4**	4660	370
	1.9	453600	797	720000	513900	423000	**PF**	**092KF167**	**DRE** **280M4**	3970	371
	4.2	198400	349	720000	513900	423000	**PH**	**092KF167**	**DRE** **280M4**	4680	370
							PHF	**092KF167**	**DRE** **280M4**	3980	371
	2.2	392300	689	623400	397100	359400	**P**	**082KF157**	**DRE** **280M4**	3790	368
							PF	**082KF157**	**DRE** **280M4**	3140	369
							PH	**082KF157**	**DRE** **280M4**	3780	368
							PHF	**082KF157**	**DRE** **280M4**	3130	369
	3.1	274300	482	516300	274600	245660	**P**	**072KF157**	**DRE** **280M4**	3130	366
							PF	**072KF157**	**DRE** **280M4**	2640	367
							PH	**072KF157**	**DRE** **280M4**	3190	366
							PHF	**072KF157**	**DRE** **280M4**	2700	367
	4.4	193700	341	432400	209100	185660	**P**	**062KF127**	**DRE** **280M4**	2420	362
							PF	**062KF127**	**DRE** **280M4**	2050	363
							PH	**062KF127**	**DRE** **280M4**	2410	362
							PHF	**062KF127**	**DRE** **280M4**	2040	363

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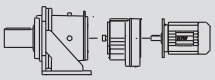
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
110	**1.6**	626900	903	791300	631300	500000	**P**	**102KF187**	**DRE**	**315K4**	6440	376
	1.9	531400	766	850000	631300	500000	**PF**	**102KF187**	**DRE**	**315K4**	5490	377
	2.2	457700	660	850000	631300	500000	**PH**	**102KF187**	**DRE**	**315K4**	6510	376
	2.7	384700	554	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**315K4**	5550	377
	3.1	333100	480	850000	631300	500000						
	3.7	277600	400	850000	631300	500000						
	1.9	546100	787	850000	631300	500000	**P**	**102KF167**	**DRE**	**315K4**	5820	374
							PF	**102KF167**	**DRE**	**315K4**	4860	375
							PH	**102KF167**	**DRE**	**315K4**	5880	374
							PHF	**102KF167**	**DRE**	**315K4**	4920	375
	2.2	463900	668	718400	513900	423000	**P**	**092KF187**	**DRE**	**315K4**	5590	372
	2.6	389800	561	720000	513900	423000	**PF**	**092KF187**	**DRE**	**315K4**	4890	373
	3.0	337500	486	720000	513900	423000	**PH**	**092KF187**	**DRE**	**315K4**	5600	372
	3.7	281300	405	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**315K4**	4910	373
	4.3	239800	345	720000	513900	423000						
	2.0	511100	736	668300	513900	423000	**P**	**092KF167**	**DRE**	**315K4**	4960	370
	2.2	472300	680	710000	513900	423000	**PF**	**092KF167**	**DRE**	**315K4**	4260	371
	2.3	450200	649	720000	513900	423000	**PH**	**092KF167**	**DRE**	**315K4**	4970	370
							PHF	**092KF167**	**DRE**	**315K4**	4280	371
	4.0	255500	369	523000	274600	245660	**P**	**072KF157**	**DRE**	**315K4**	3430	366
							PF	**072KF157**	**DRE**	**315K4**	2940	367
							PH	**072KF157**	**DRE**	**315K4**	3480	366
							PHF	**072KF157**	**DRE**	**315K4**	2990	367
132	**2.2**	547800	660	850000	631300	500000	**P**	**102KF187**	**DRE**	**315S4**	6520	376
	2.7	460400	554	850000	631300	500000	**PF**	**102KF187**	**DRE**	**315S4**	5570	377
	3.1	398600	480	850000	631300	500000	**PH**	**102KF187**	**DRE**	**315S4**	6590	376
	3.7	332200	400	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**315S4**	5630	377
	4.4	283200	341	850000	631300	500000						
	2.2	557800	671	843800	631300	500000	**P**	**102KF167**	**DRE**	**315S4**	5900	374
							PF	**102KF167**	**DRE**	**315S4**	4940	375
							PH	**102KF167**	**DRE**	**315S4**	5960	374
							PHF	**102KF167**	**DRE**	**315S4**	5000	375
	2.6	466500	561	715800	513900	423000	**P**	**092KF187**	**DRE**	**315S4**	5670	372
	3.1	403900	486	720000	513900	423000	**PF**	**092KF187**	**DRE**	**315S4**	4970	373
	3.7	336600	405	720000	513900	423000	**PH**	**092KF187**	**DRE**	**315S4**	5680	372
	4.3	287000	345	720000	513900	423000	**PHF**	**092KF187**	**DRE**	**315S4**	4990	373
	2.6	480700	579	701400	513900	423000	**P**	**092KF167**	**DRE**	**315S4**	5040	370
							PF	**092KF167**	**DRE**	**315S4**	4340	371
							PH	**092KF167**	**DRE**	**315S4**	5050	370
							PHF	**092KF167**	**DRE**	**315S4**	4360	371
	5.0	248500	300	494300	274600	245660	**P**	**072KF157**	**DRE**	**315S4**	3510	366
							PF	**072KF157**	**DRE**	**315S4**	3020	367
							PH	**072KF157**	**DRE**	**315S4**	3560	366
							PHF	**072KF157**	**DRE**	**315S4**	3070	367
160	**2.7**	559200	554	842900	631300	500000	**P**	**102KF187**	**DRE**	**315M4**	6680	376
	3.1	484200	480	850000	631300	500000	**PF**	**102KF187**	**DRE**	**315M4**	5730	377
	3.7	403500	400	850000	631300	500000	**PH**	**102KF187**	**DRE**	**315M4**	6740	376
	4.4	344000	341	850000	631300	500000	**PHF**	**102KF187**	**DRE**	**315M4**	5790	377
	3.0	490600	486	690900	513900	423000	**P**	**092KF187**	**DRE**	**315M4**	5830	372
	3.7	408800	405	720000	513900	423000	**PF**	**092KF187**	**DRE**	**315M4**	5130	373
	4.3	348600	345	720000	513900	423000	**PH**	**092KF187**	**DRE**	**315M4**	5840	372
							PHF	**092KF187**	**DRE**	**315M4**	5140	373
	3.0	497600	493	683300	513900	423000	**P**	**092KF167**	**DRE**	**315M4**	5200	370
							PF	**092KF167**	**DRE**	**315M4**	4500	371
							PH	**092KF167**	**DRE**	**315M4**	5210	370
							PHF	**092KF167**	**DRE**	**315M4**	4520	371
	5.8	255900	254	470700	274600	245660	**P**	**072KF157**	**DRE**	**315M4**	3670	366
							PF	**072KF157**	**DRE**	**315M4**	3180	367
							PH	**072KF157**	**DRE**	**315M4**	3720	366
							PHF	**072KF157**	**DRE**	**315M4**	3230	367

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
200	**3.1**	606000	480	808000	631300	500000	**P**	**102KF187**	**DRE**	**315L4**		6760	376
	3.7	505000	400	850000	631300	500000	**PF**	**102KF187**	**DRE**	**315L4**		5810	377
	4.4	430600	341	850000	631300	500000	**PH**	**102KF187**	**DRE**	**315L4**		6820	376
							PHF	**102KF187**	**DRE**	**315L4**		5870	377
	3.7	511800	405	667600	513900	423000	**P**	**092KF187**	**DRE**	**315L4**		5910	372
	4.3	436300	345	720000	513900	423000	**PF**	**092KF187**	**DRE**	**315L4**		5210	373
							PH	**092KF187**	**DRE**	**315L4**		5920	372
							PHF	**092KF187**	**DRE**	**315L4**		5220	373
	4.2	440500	349	720000	513900	423000	**P**	**092KF167**	**DRE**	**315L4**		5280	370
							PF	**092KF167**	**DRE**	**315L4**		4580	371
							PH	**092KF167**	**DRE**	**315L4**		5290	370
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11.4 IE3 motor standard – selection tables

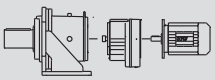
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[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
0.75	**0.36**	19500	4029	156000	46200	36810	**P**	**012KF87**	**DRP**	**90M4**	440	328
							PF	**012KF87**	**DRP**	**90M4**	370	329
							PH	**012KF87**	**DRP**	**90M4**	455	328
							PHF	**012KF87**	**DRP**	**90M4**	385	329
	0.42	16800	3490	156000	46200	36810	**P**	**012KF77**	**DRP**	**90M4**	400	326
	0.47	14800	3063	156000	46200	36810	**PF**	**012KF77**	**DRP**	**90M4**	330	327
							PH	**012KF77**	**DRP**	**90M4**	415	326
							PHF	**012KF77**	**DRP**	**90M4**	345	327
	0.38	18300	3793	124000	29200	24830	**P**	**002KF77**	**DRP**	**90M4**	320	320
							PF	**002KF77**	**DRP**	**90M4**	265	321
							PH	**002KF77**	**DRP**	**90M4**	325	320
							PHF	**002KF77**	**DRP**	**90M4**	270	321
	0.41	17000	3519	124000	-	24830	**P**	**002KF67**	**DRP**	**90M4**	290	318
	0.49	14400	2984	124000	-	24830	**PF**	**002KF67**	**DRP**	**90M4**	235	319
	0.54	13000	2694	124000	-	24830	**PH**	**002KF67**	**DRP**	**90M4**	295	318
	0.61	11400	2371	124000	-	24830	**PHF**	**002KF67**	**DRP**	**90M4**	240	319
	0.65	10800	2238	124000	-	24830						
	0.76	9220	1906	124000	-	24830						
	0.84	8380	1732	124000	-	24830						
	0.97	7260	1500	124000	-	24830						
1.1	**0.36**	28800	4029	197000	-	51190	**P**	**022KF87**	**DRP**	**90L4**	590	334
	0.43	24200	3387	197000	-	51190	**PF**	**022KF87**	**DRP**	**90L4**	490	335
	0.46	22200	3113	197000	-	51190	**PH**	**022KF87**	**DRP**	**90L4**	610	334
							PHF	**022KF87**	**DRP**	**90L4**	500	335
	0.36	28800	4029	156000	46200	36810	**P**	**012KF87**	**DRP**	**90L4**	440	328
	0.52	19700	2764	156000	46200	36810	**PF**	**012KF87**	**DRP**	**90L4**	370	329
							PH	**012KF87**	**DRP**	**90L4**	455	328
							PHF	**012KF87**	**DRP**	**90L4**	385	329
	0.38	27200	3807	156000	46200	36810	**P**	**012KF77**	**DRP**	**90L4**	405	326
	0.41	24900	3490	156000	46200	36810	**PF**	**012KF77**	**DRP**	**90L4**	335	327
	0.47	21900	3063	156000	46200	36810	**PH**	**012KF77**	**DRP**	**90L4**	420	326
	0.57	18100	2540	156000	46200	36810	**PHF**	**012KF77**	**DRP**	**90L4**	350	327
	0.63	16300	2289	156000	46200	36810						
	0.72	14300	2008	156000	46200	36810						
	0.81	12600	1772	156000	46200	36810						
	0.38	27100	3793	114200	29200	24830	**P**	**002KF77**	**DRP**	**90L4**	325	320
	0.47	21800	3051	121900	29200	24830	**PF**	**002KF77**	**DRP**	**90L4**	265	321
	0.50	20600	2891	123300	29200	24830	**PH**	**002KF77**	**DRP**	**90L4**	330	320
							PHF	**002KF77**	**DRP**	**90L4**	270	321
	0.61	16900	2371	124000	-	24830	**P**	**002KF67**	**DRP**	**90L4**	295	318
	0.64	16000	2238	124000	-	24830	**PF**	**002KF67**	**DRP**	**90L4**	235	319
	0.76	13600	1906	124000	-	24830	**PH**	**002KF67**	**DRP**	**90L4**	300	318
	0.83	12300	1732	124000	-	24830	**PHF**	**002KF67**	**DRP**	**90L4**	240	319
	0.96	10700	1500	124000	-	24830						
	1.0	9950	1392	124000	-	24830						
	1.2	8440	1181	124000	-	24830						
	1.4	7620	1066	124000	-	24830						
	1.5	6700	938	124000	-	24830						
1.5	**0.36**	39200	4029	197000	-	51190	**P**	**022KF87**	**DRP**	**100M4**	590	334
	0.43	33000	3387	197000	-	51190	**PF**	**022KF87**	**DRP**	**100M4**	490	335
	0.46	30300	3113	197000	-	51190	**PH**	**022KF87**	**DRP**	**100M4**	610	334
							PHF	**022KF87**	**DRP**	**100M4**	510	335
	0.36	39200	4029	156000	46200	36810	**P**	**012KF87**	**DRP**	**100M4**	445	328
	0.52	26900	2764	156000	46200	36810	**PF**	**012KF87**	**DRP**	**100M4**	375	329
							PH	**012KF87**	**DRP**	**100M4**	460	328
							PHF	**012KF87**	**DRP**	**100M4**	390	329

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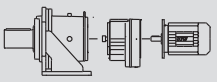
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
1.5	**0.38**	37100	3807	156000	46200	36810	**P**	**012KF77**	**DRP**	**100M4**		410	326
	0.41	34000	3490	156000	46200	36810	**PF**	**012KF77**	**DRP**	**100M4**		340	327
	0.47	29800	3063	156000	46200	36810	**PH**	**012KF77**	**DRP**	**100M4**		420	326
	0.50	28300	2903	156000	46200	36810	**PHF**	**012KF77**	**DRP**	**100M4**		350	327
	0.57	24700	2540	156000	46200	36810							
	0.63	22300	2289	156000	46200	36810							
	0.72	19500	2008	156000	46200	36810							
	0.81	17200	1772	156000	46200	36810							
	0.50	28100	2891	112400	29200	24830	**P**	**002KF77**	**DRP**	**100M4**		330	320
	0.63	22200	2280	121300	29200	24830	**PF**	**002KF77**	**DRP**	**100M4**		270	321
	0.72	19500	2000	124000	29200	24830	**PH**	**002KF77**	**DRP**	**100M4**		330	320
							PHF	**002KF77**	**DRP**	**100M4**		275	321
	0.83	16800	1732	124000	-	24830	**P**	**002KF67**	**DRP**	**100M4**		300	318
	0.96	14600	1500	124000	-	24830	**PF**	**002KF67**	**DRP**	**100M4**		240	319
	1.0	13500	1392	124000	-	24830	**PH**	**002KF67**	**DRP**	**100M4**		300	318
	1.2	11500	1181	124000	-	24830	**PHF**	**002KF67**	**DRP**	**100M4**		245	319
	1.4	10300	1066	124000	-	24830							
	1.5	9140	938	124000	-	24830							
	1.6	8630	886	124000	-	24830							
	1.9	7350	754	124000	-	24830							
2.2	**0.35**	58900	4124	236000	86800	69620	**P**	**032KF97**	**DRP**	**100L4**		750	342
	0.38	54300	3797	241000	86800	69620	**PF**	**032KF97**	**DRP**	**100L4**		630	343
							PH	**032KF97**	**DRP**	**100L4**		770	342
							PHF	**032KF97**	**DRP**	**100L4**		650	343
	0.36	57600	4029	180500	-	51190	**P**	**022KF87**	**DRP**	**100L4**		600	334
	0.43	48400	3387	194800	-	51190	**PF**	**022KF87**	**DRP**	**100L4**		495	335
	0.46	44500	3113	197000	-	51190	**PH**	**022KF87**	**DRP**	**100L4**		610	334
	0.52	39500	2764	197000	-	51190	**PHF**	**022KF87**	**DRP**	**100L4**		510	335
	0.58	35300	2471	197000	-	51190							
	0.52	39500	2764	156000	46200	36810	**P**	**012KF87**	**DRP**	**100L4**		450	328
	0.65	31700	2222	156000	46200	36810	**PF**	**012KF87**	**DRP**	**100L4**		380	329
	0.75	27500	1929	156000	46200	36810	**PH**	**012KF87**	**DRP**	**100L4**		465	328
	0.83	24600	1727	156000	46200	36810	**PHF**	**012KF87**	**DRP**	**100L4**		395	329
	1.0	20400	1433	156000	46200	36810							
	0.47	43800	3063	156000	46200	36810	**P**	**012KF77**	**DRP**	**100L4**		415	326
	0.50	41500	2903	156000	46200	36810	**PF**	**012KF77**	**DRP**	**100L4**		345	327
	0.57	36300	2540	156000	46200	36810	**PH**	**012KF77**	**DRP**	**100L4**		425	326
	0.63	32700	2289	156000	46200	36810	**PHF**	**012KF77**	**DRP**	**100L4**		355	327
	0.72	28700	2008	156000	46200	36810							
	0.81	25300	1772	156000	46200	36810							
	1.0	19700	1381	156000	46200	36810							
	0.72	28600	2000	111700	29200	24830	**P**	**002KF77**	**DRP**	**100L4**		335	320
	0.92	22300	1565	121100	29200	24830	**PF**	**002KF77**	**DRP**	**100L4**		275	321
	1.0	19600	1376	124000	29200	24830	**PH**	**002KF77**	**DRP**	**100L4**		335	320
							PHF	**002KF77**	**DRP**	**100L4**		280	321
	1.2	16800	1181	124000	-	24830	**P**	**002KF67**	**DRP**	**100L4**		305	318
	1.4	15200	1066	124000	-	24830	**PF**	**002KF67**	**DRP**	**100L4**		245	319
	1.5	13400	938	124000	-	24830	**PH**	**002KF67**	**DRP**	**100L4**		305	318
	1.6	12600	886	124000	-	24830	**PHF**	**002KF67**	**DRP**	**100L4**		250	319
	1.9	10700	754	124000	-	24830							
	2.1	9790	685	124000	-	24830							
	2.4	8480	594	124000	-	24830							
	2.8	7380	517	124000	-	24830							
	3.0	6970	488	124000	-	20200							
3.0	**0.35**	79600	4124	314400	-	100170	**P**	**042KF97**	**DRP**	**112M4**		1010	348
	0.38	73200	3797	319400	-	100170	**PF**	**042KF97**	**DRP**	**112M4**		820	349
	0.43	65500	3394	323000	-	100170	**PH**	**042KF97**	**DRP**	**112M4**		1010	348
							PHF	**042KF97**	**DRP**	**112M4**		820	349
	0.35	79600	4124	209100	86800	69620	**P**	**032KF97**	**DRP**	**112M4**		760	342
	0.38	73200	3797	218300	86800	69620	**PF**	**032KF97**	**DRP**	**112M4**		640	343
	0.53	53400	2767	241900	86800	69620	**PH**	**032KF97**	**DRP**	**112M4**		780	342
							PHF	**032KF97**	**DRP**	**112M4**		660	343

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SEW EURODRIVE

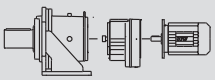
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
3.0	**0.59**	47700	2471	247300	-	69620	**P**	**032KF87**	**DRP**	**112M4**	690	340
							PF	**032KF87**	**DRP**	**112M4**	570	341
							PH	**032KF87**	**DRP**	**112M4**	710	340
							PHF	**032KF87**	**DRP**	**112M4**	590	341
	0.47	60000	3113	176200	-	51190	**P**	**022KF87**	**DRP**	**112M4**	610	334
	0.53	53300	2764	187500	-	51190	**PF**	**022KF87**	**DRP**	**112M4**	510	335
	0.59	47700	2471	195800	-	51190	**PH**	**022KF87**	**DRP**	**112M4**	620	334
	0.65	42800	2222	197000	-	51190	**PHF**	**022KF87**	**DRP**	**112M4**	520	335
	0.75	37200	1929	197000	-	51190						
	0.65	42800	2222	156000	46200	36810	**P**	**012KF87**	**DRP**	**112M4**	460	328
	0.75	37200	1929	156000	46200	36810	**PF**	**012KF87**	**DRP**	**112M4**	390	329
	0.84	33300	1727	156000	46200	36810	**PH**	**012KF87**	**DRP**	**112M4**	475	328
	1.0	27600	1433	156000	46200	36810	**PHF**	**012KF87**	**DRP**	**112M4**	405	329
	0.64	44100	2289	156000	46200	36810	**P**	**012KF77**	**DRP**	**112M4**	425	326
	0.72	38700	2008	156000	46200	36810	**PF**	**012KF77**	**DRP**	**112M4**	355	327
	1.0	26600	1381	156000	46200	36810	**PH**	**012KF77**	**DRP**	**112M4**	440	326
	1.2	23300	1212	156000	46200	36810	**PHF**	**012KF77**	**DRP**	**112M4**	370	327
	1.3	22100	1148	156000	46200	36810						
	1.4	19300	1005	156000	46200	36810						
	1.6	17400	905	156000	46200	36810						
	1.1	26500	1376	115100	29200	24830	**P**	**002KF77**	**DRP**	**112M4**	345	320
	1.2	23200	1207	119900	29200	24830	**PF**	**002KF77**	**DRP**	**112M4**	285	321
	1.3	22000	1144	121500	29200	24830	**PH**	**002KF77**	**DRP**	**112M4**	350	320
	1.4	19300	1001	124000	29200	24830	**PHF**	**002KF77**	**DRP**	**112M4**	290	321
	1.6	17000	886	124000	-	24830	**P**	**002KF67**	**DRP**	**112M4**	315	318
	1.9	14500	754	124000	-	24830	**PF**	**002KF67**	**DRP**	**112M4**	255	319
	2.1	13200	685	124000	-	24830	**PH**	**002KF67**	**DRP**	**112M4**	320	318
	2.4	11400	594	124000	-	24830	**PHF**	**002KF67**	**DRP**	**112M4**	260	319
	2.8	9960	517	124000	-	24830						
	3.0	9410	488	124000	-	20200						
	3.5	8010	415	124000	-	19100						
	3.8	7280	378	124000	-	18300						
4.0	**0.37**	101000	3952	364000	140600	124060	**P**	**052KF107**	**DRP**	**132M4**	1280	356
	0.41	91200	3568	364000	140600	124060	**PF**	**052KF107**	**DRP**	**132M4**	1080	357
							PH	**052KF107**	**DRP**	**132M4**	1280	356
							PHF	**052KF107**	**DRP**	**132M4**	1080	357
	0.45	82800	3241	311700	111000	100170	**P**	**042KF107**	**DRP**	**132M4**	1140	350
							PF	**042KF107**	**DRP**	**132M4**	950	351
							PH	**042KF107**	**DRP**	**132M4**	1140	350
							PHF	**042KF107**	**DRP**	**132M4**	950	351
	0.36	105400	4124	290100	-	100170	**P**	**042KF97**	**DRP**	**132M4**	1030	348
	0.39	97000	3797	298700	-	100170	**PF**	**042KF97**	**DRP**	**132M4**	840	349
	0.43	86700	3394	308300	-	100170	**PH**	**042KF97**	**DRP**	**132M4**	1030	348
	0.53	70700	2767	321300	-	100170	**PHF**	**042KF97**	**DRP**	**132M4**	840	349
	0.60	62700	2454	323000	111000	100170						
	0.53	70700	2767	221800	86800	69620	**P**	**032KF97**	**DRP**	**132M4**	780	342
	0.66	56700	2218	238500	86800	69620	**PF**	**032KF97**	**DRP**	**132M4**	660	343
	0.78	48000	1880	247000	86800	69620	**PH**	**032KF97**	**DRP**	**132M4**	800	342
							PHF	**032KF97**	**DRP**	**132M4**	680	343
	0.59	63100	2471	231300	-	69620	**P**	**032KF87**	**DRP**	**132M4**	700	340
							PF	**032KF87**	**DRP**	**132M4**	580	341
							PH	**032KF87**	**DRP**	**132M4**	730	340
							PHF	**032KF87**	**DRP**	**132M4**	600	341
	0.66	56700	2222	181900	-	51190	**P**	**022KF87**	**DRP**	**132M4**	620	334
	0.76	49200	1929	193600	-	51190	**PF**	**022KF87**	**DRP**	**132M4**	520	335
	0.85	44100	1727	197000	-	51190	**PH**	**022KF87**	**DRP**	**132M4**	640	334
	1.0	36600	1433	197000	-	51190	**PHF**	**022KF87**	**DRP**	**132M4**	540	335
	1.2	31400	1231	197000	-	51190						
	0.85	44100	1727	156000	46200	36810	**P**	**012KF87**	**DRP**	**132M4**	475	328
	1.0	36600	1433	156000	46200	36810	**PF**	**012KF87**	**DRP**	**132M4**	405	329
	1.3	27900	1094	156000	46200	36810	**PH**	**012KF87**	**DRP**	**132M4**	490	328
							PHF	**012KF87**	**DRP**	**132M4**	420	329

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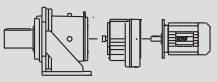
P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
4.0	**0.83**	45200	1772	156000	46200	36810	**P**	**012KF77**	**DRP**	**132M4**		440	326
	1.2	30900	1212	156000	46200	36810	**PF**	**012KF77**	**DRP**	**132M4**		370	327
	1.3	29300	1148	156000	46200	36810	**PH**	**012KF77**	**DRP**	**132M4**		455	326
	1.5	25600	1005	156000	46200	36810	**PHF**	**012KF77**	**DRP**	**132M4**		385	327
	1.6	23100	905	156000	46200	36810							
	1.8	20200	794	156000	46200	36810							
	2.1	17900	701	156000	46200	36810							
	2.4	15800	621	156000	46200	36810							
	2.8	13500	530	156000	46200	36810							
	1.5	25500	1001	116600	29200	24830	**P**	**002KF77**	**DRP**	**132M4**		360	320
	1.6	23000	902	120200	29200	24830	**PF**	**002KF77**	**DRP**	**132M4**		300	321
	1.8	20200	791	123900	29200	24830	**PH**	**002KF77**	**DRP**	**132M4**		365	320
	2.1	17800	698	124000	29200	24830	**PHF**	**002KF77**	**DRP**	**132M4**		305	321
	2.4	15800	619	124000	29200	24830							
	2.8	13100	517	124000	-	24830	**P**	**002KF67**	**DRP**	**132M4**		330	318
	3.0	12400	488	124000	-	20200	**PF**	**002KF67**	**DRP**	**132M4**		270	319
	3.5	10600	415	124000	-	19100	**PH**	**002KF67**	**DRP**	**132M4**		335	318
	3.9	9640	378	124000	-	18300	**PHF**	**002KF67**	**DRP**	**132M4**		275	319
	4.5	8350	327	124000	-	16800							
	5.2	7270	284	124000	-	16000							
5.5	**0.41**	124500	3568	473000	-	185660	**P**	**062KF107**	**DRP**	**132MC4**		1770	360
	0.46	113100	3241	473000	-	185660	**PF**	**062KF107**	**DRP**	**132MC4**		1410	361
							PH	**062KF107**	**DRP**	**132MC4**		1760	360
							PHF	**062KF107**	**DRP**	**132MC4**		1400	361
	0.37	137900	3952	344300	140600	124060	**P**	**052KF107**	**DRP**	**160S4**		1300	356
							PF	**052KF107**	**DRP**	**160S4**		1100	357
							PH	**052KF107**	**DRP**	**160S4**		1290	356
							PHF	**052KF107**	**DRP**	**160S4**		1090	357
	0.37	137900	3952	344300	140600	124060	**P**	**052KF107**	**DRP**	**132MC4**		1290	356
	0.41	124500	3568	355900	140600	124060	**PF**	**052KF107**	**DRP**	**132MC4**		1090	357
	0.51	100300	2876	364000	140600	124060	**PH**	**052KF107**	**DRP**	**132MC4**		1280	356
	0.57	91000	2610	364000	140600	124060	**PHF**	**052KF107**	**DRP**	**132MC4**		1080	357
	0.46	113100	3241	281400	111000	100170	**P**	**042KF107**	**DRP**	**132MC4**		1140	350
	0.66	78200	2243	315500	111000	100170	**PF**	**042KF107**	**DRP**	**132MC4**		950	351
	0.75	68300	1958	323000	111000	100170	**PH**	**042KF107**	**DRP**	**132MC4**		1150	350
							PHF	**042KF107**	**DRP**	**132MC4**		960	351
	0.53	96500	2767	299200	-	100170	**P**	**042KF97**	**DRP**	**132MC4**		1030	348
	0.60	85600	2454	309300	111000	100170	**PF**	**042KF97**	**DRP**	**132MC4**		840	349
	0.78	65600	1880	323000	111000	100170	**PH**	**042KF97**	**DRP**	**132MC4**		1030	348
							PHF	**042KF97**	**DRP**	**132MC4**		840	349
	0.66	77400	2218	212400	86800	69620	**P**	**032KF97**	**DRP**	**160S4**		800	342
							PF	**032KF97**	**DRP**	**160S4**		670	343
							PH	**032KF97**	**DRP**	**160S4**		820	342
							PHF	**032KF97**	**DRP**	**160S4**		700	343
	0.66	77400	2218	212400	86800	69620	**P**	**032KF97**	**DRP**	**132MC4**		780	342
	0.78	65600	1880	228300	86800	69620	**PF**	**032KF97**	**DRP**	**132MC4**		660	343
	0.90	57300	1643	237800	86800	69620	**PH**	**032KF97**	**DRP**	**132MC4**		800	342
	0.98	52400	1503	242900	86800	69620	**PHF**	**032KF97**	**DRP**	**132MC4**		680	343
	1.2	42900	1231	251400	-	69620	**P**	**032KF87**	**DRP**	**132MC4**		710	340
							PF	**032KF87**	**DRP**	**132MC4**		590	341
							PH	**032KF87**	**DRP**	**132MC4**		730	340
							PHF	**032KF87**	**DRP**	**132MC4**		610	341
	0.85	60200	1727	175800	-	51190	**P**	**022KF87**	**DRP**	**132MC4**		630	334
	1.0	50000	1433	192600	-	51190	**PF**	**022KF87**	**DRP**	**132MC4**		530	335
	1.2	42900	1231	197000	-	51190	**PH**	**022KF87**	**DRP**	**132MC4**		640	334
	1.4	38100	1094	197000	-	51190	**PHF**	**022KF87**	**DRP**	**132MC4**		540	335
	1.5	34100	978	197000	-	51190							
	1.7	30600	879	197000	-	51190							
	1.4	38100	1094	156000	46200	36810	**P**	**012KF87**	**DRP**	**160S4**		495	328
							PF	**012KF87**	**DRP**	**160S4**		425	329
							PH	**012KF87**	**DRP**	**160S4**		510	328
							PHF	**012KF87**	**DRP**	**160S4**		435	329

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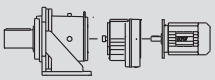
P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
5.5	1.4	38100	1094	156000	46200	36810	P	012KF87	DRP	132MC4	480	328
	1.9	26600	763	156000	46200	36810	PF	012KF87	DRP	132MC4	410	329
							PH	012KF87	DRP	132MC4	495	328
							PHF	012KF87	DRP	132MC4	425	329
	1.2	42200	1212	156000	46200	36810	P	012KF77	DRP	160S4	455	326
	1.3	40000	1148	156000	46200	36810	PF	012KF77	DRP	160S4	385	327
							PH	012KF77	DRP	160S4	470	326
							PHF	012KF77	DRP	160S4	400	327
	1.2	42200	1212	156000	46200	36810	P	012KF77	DRP	132MC4	445	326
	1.3	40000	1148	156000	46200	36810	PF	012KF77	DRP	132MC4	375	327
	1.5	35000	1005	156000	46200	36810	PH	012KF77	DRP	132MC4	460	326
	1.6	31500	905	156000	46200	36810	PHF	012KF77	DRP	132MC4	390	327
	1.9	27700	794	156000	46200	36810						
	2.1	24400	701	156000	46200	36810						
	2.4	21600	621	156000	46200	36810						
	2.8	18500	530	156000	46200	36810						
	3.5	14800	425	156000	-	36810						
	1.9	27600	791	113400	29200	24830	P	002KF77	DRP	160S4	375	320
							PF	002KF77	DRP	160S4	320	321
							PH	002KF77	DRP	160S4	380	320
							PHF	002KF77	DRP	160S4	320	321
	1.9	27600	791	113400	29200	24830	P	002KF77	DRP	132MC4	365	320
	2.4	21600	619	122100	29200	24830	PF	002KF77	DRP	132MC4	305	321
	2.8	18400	528	124000	29200	24830	PH	002KF77	DRP	132MC4	370	320
	3.0	16800	483	124000	29200	24830	PHF	002KF77	DRP	132MC4	310	321
	3.5	14700	424	124000	29200	24830						
	4.0	13000	374	124000	29200	24830						
	4.4	11500	331	124000	29200	24830						
	5.6	9210	264	124000	-	24830						
	6.1	8410	241	123000	-	19100						
	7.0	7380	212	118200	-	18900						
	7.9	6510	187	113800	-	17900						
	8.9	5770	166	109800	-	17000						
	10	4930	141	104700	-	15600						
7.5	0.43	163400	3425	523000	274600	245660	P	072KF127	DRP	160M4	2410	364
	0.54	129000	2703	523000	274600	245660	PF	072KF127	DRP	160M4	1920	365
	0.62	113800	2385	523000	274600	245660	PH	072KF127	DRP	160M4	2470	364
							PHF	072KF127	DRP	160M4	1970	365
	0.34	206400	4322	422100	209100	185660	P	062KF127	DRP	160M4	1990	362
	0.60	117200	2456	473000	209100	185660	PF	062KF127	DRP	160M4	1630	363
	0.69	101300	2121	473000	209100	185660	PH	062KF127	DRP	160M4	1980	362
	0.78	89600	1876	473000	209100	185660	PHF	062KF127	DRP	160M4	1610	363
	0.41	170400	3568	449700	-	185660	P	062KF107	DRP	160M4	1790	360
	0.45	154700	3241	460100	-	185660	PF	062KF107	DRP	160M4	1430	361
	0.66	107100	2243	473000	-	185660	PH	062KF107	DRP	160M4	1780	360
	0.89	79300	1661	473000	-	185660	PHF	062KF107	DRP	160M4	1420	361
	0.51	137300	2876	344900	140600	124060	P	052KF107	DRP	160M4	1310	356
	0.56	124600	2610	355900	140600	124060	PF	052KF107	DRP	160M4	1110	357
	0.75	93500	1958	364000	140600	124060	PH	052KF107	DRP	160M4	1300	356
	1.0	69300	1452	364000	140600	124060	PHF	052KF107	DRP	160M4	1100	357
	1.3	52200	1095	364000	140600	124060	P	052KF97	DRP	160M4	1200	354
	1.5	46300	971	364000	140600	124060	PF	052KF97	DRP	160M4	1000	355
							PH	052KF97	DRP	160M4	1190	354
							PHF	052KF97	DRP	160M4	990	355
	0.66	107100	2243	288200	111000	100170	P	042KF107	DRP	160M4	1170	350
	0.75	93500	1958	302200	111000	100170	PF	042KF107	DRP	160M4	980	351
	1.0	69300	1452	322300	111000	100170	PH	042KF107	DRP	160M4	1170	350
	1.3	54300	1138	323000	111000	100170	PHF	042KF107	DRP	160M4	980	351
	0.78	89800	1880	305600	111000	100170	P	042KF97	DRP	160M4	1050	348
	1.2	57700	1209	323000	111000	100170	PF	042KF97	DRP	160M4	860	349
	1.5	46300	971	323000	111000	100170	PH	042KF97	DRP	160M4	1060	348
	1.7	41900	878	323000	111000	100170	PHF	042KF97	DRP	160M4	870	349

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
7.5	**0.89**	78400	1643	210900	86800	69620	**P**	**032KF97**	**DRP**	**160M4**		800	342
	0.98	71700	1503	220400	86800	69620	**PF**	**032KF97**	**DRP**	**160M4**		680	343
	1.5	46300	971	248500	86800	69620	**PH**	**032KF97**	**DRP**	**160M4**		830	342
	1.7	41900	878	252000	86800	69620	**PHF**	**032KF97**	**DRP**	**160M4**		700	343
	2.0	35500	744	252000	86800	69620							
	2.3	31000	650	252000	86800	69620							
	1.2	58800	1231	236200	-	69620	**P**	**032KF87**	**DRP**	**160M4**		730	340
	1.9	36400	763	252000	-	69620	**PF**	**032KF87**	**DRP**	**160M4**		610	341
	2.2	32600	683	252000	-	69620	**PH**	**032KF87**	**DRP**	**160M4**		750	340
	2.3	29900	628	252000	-	69200	**PHF**	**032KF87**	**DRP**	**160M4**		630	341
	2.6	27000	567	252000	-	69620							
	2.7	25900	543	197000	64200	51190	**P**	**022KF97**	**DRP**	**160M4**		720	336
	3.1	22400	470	197000	64200	51190	**PF**	**022KF97**	**DRP**	**160M4**		620	337
							PH	**022KF97**	**DRP**	**160M4**		740	336
							PHF	**022KF97**	**DRP**	**160M4**		640	337
	1.3	52200	1094	189300	-	51190	**P**	**022KF87**	**DRP**	**160M4**		650	334
	1.5	46600	978	197000	-	51190	**PF**	**022KF87**	**DRP**	**160M4**		550	335
	1.7	41900	879	197000	-	51190	**PH**	**022KF87**	**DRP**	**160M4**		660	334
	2.2	32600	683	197000	64200	51190	**PHF**	**022KF87**	**DRP**	**160M4**		560	335
	2.3	29900	628	197000	-	51190							
	3.0	23500	493	197000	64200	51190							
	3.4	20900	438	197000	64200	51190							
	3.6	19500	408	156000	46200	36810	**P**	**012KF97**	**DRP**	**160M4**		580	330
	4.3	16300	342	156000	46200	36810	**PF**	**012KF97**	**DRP**	**160M4**		510	331
	5.3	13300	279	156000	46200	36810	**PH**	**012KF97**	**DRP**	**160M4**		590	330
							PHF	**012KF97**	**DRP**	**160M4**		520	331
	1.9	36400	763	156000	46200	36810	**P**	**012KF87**	**DRP**	**160M4**		500	328
	3.0	23500	493	156000	46200	36810	**PF**	**012KF87**	**DRP**	**160M4**		430	329
	3.8	18700	392	156000	46200	36810	**PH**	**012KF87**	**DRP**	**160M4**		520	328
	4.5	15500	325	156000	46200	36810	**PHF**	**012KF87**	**DRP**	**160M4**		445	329
	5.1	13800	291	156000	46200	36810							
	1.6	43200	905	156000	46200	36810	**P**	**012KF77**	**DRP**	**160M4**		465	326
	1.8	37900	794	156000	46200	36810	**PF**	**012KF77**	**DRP**	**160M4**		395	327
	2.1	33400	701	156000	46200	36810	**PH**	**012KF77**	**DRP**	**160M4**		480	326
	2.4	29600	621	156000	46200	36810	**PHF**	**012KF77**	**DRP**	**160M4**		410	327
	2.8	25300	530	156000	46200	36810							
	2.8	25200	528	117100	29200	24830	**P**	**002KF77**	**DRP**	**160M4**		385	320
	3.5	20200	424	123900	29200	24830	**PF**	**002KF77**	**DRP**	**160M4**		325	321
	3.9	17800	374	124000	29200	24830	**PH**	**002KF77**	**DRP**	**160M4**		390	320
	4.4	15800	331	124000	29200	24830	**PHF**	**002KF77**	**DRP**	**160M4**		330	321
	5.2	13500	283	124000	29200	24830							
	5.6	12600	264	124000	-	24830							
	7.0	10100	212	118300	-	18900							
	7.9	8910	187	114000	-	17900							
	8.9	7900	166	109900	-	17000							
	10	6750	141	104800	-	15600							
9.2	**0.43**	198500	3402	850000	631300	500000	**P**	**102KF167**	**DRP**	**160MC4**		5090	374
	0.56	153800	2636	850000	631300	500000	**PF**	**102KF167**	**DRP**	**160MC4**		4140	375
	0.63	137200	2352	850000	631300	500000	**PH**	**102KF167**	**DRP**	**160MC4**		5150	374
							PHF	**102KF167**	**DRP**	**160MC4**		4200	375
	0.43	201200	3447	720000	513900	423000	**P**	**092KF167**	**DRP**	**160MC4**		4240	370
	0.48	178900	3065	720000	513900	423000	**PF**	**092KF167**	**DRP**	**160MC4**		3540	371
	0.54	158400	2715	720000	513900	423000	**PH**	**092KF167**	**DRP**	**160MC4**		4250	370
	0.62	139100	2383	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**160MC4**		3550	371
	0.67	128900	2209	720000	513900	423000							
	0.73	118500	2031	720000	513900	423000							
	0.35	244900	4198	523000	274600	245660	**P**	**072KF127**	**DRP**	**160MC4**		2410	364
	0.43	199800	3425	523000	274600	245660	**PF**	**072KF127**	**DRP**	**160MC4**		1920	365
	0.47	182200	3123	523000	274600	245660	**PH**	**072KF127**	**DRP**	**160MC4**		2470	364
	0.55	157700	2703	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**160MC4**		1980	365
	0.62	139200	2385	523000	274600	245660							
	0.42	205900	3526	422500	209100	185660	**P**	**062KF127**	**DRP**	**180S4**		2020	362
	0.46	187700	3216	437100	209100	185660	**PF**	**062KF127**	**DRP**	**180S4**		1660	363
							PH	**062KF127**	**DRP**	**180S4**		2010	362
							PHF	**062KF127**	**DRP**	**180S4**		1650	363

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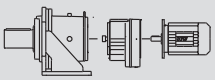
SEW EURODRIVE

P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
9.2	**0.42**	205900	3526	422500	209100	185660	**P**	**062KF127**	**DRP**	**160MC4**	1990	362
	0.46	187700	3216	437100	209100	185660	**PF**	**062KF127**	**DRP**	**160MC4**	1630	363
	0.60	143300	2456	467100	209100	185660	**PH**	**062KF127**	**DRP**	**160MC4**	1980	362
	0.70	123800	2121	473000	209100	185660	**PHF**	**062KF127**	**DRP**	**160MC4**	1620	363
	0.79	109500	1876	473000	209100	185660						
	0.51	167800	2876	451500	-	185660	**P**	**062KF107**	**DRP**	**160MC4**	1800	360
	0.57	152300	2610	461600	-	185660	**PF**	**062KF107**	**DRP**	**160MC4**	1430	361
	0.66	130900	2243	473000	-	185660	**PH**	**062KF107**	**DRP**	**160MC4**	1790	360
	0.75	114300	1958	473000	-	185660	**PHF**	**062KF107**	**DRP**	**160MC4**	1420	361
	0.89	96900	1661	473000	-	185660						
	1.0	84700	1452	473000	-	185660						
	0.66	130900	2243	350500	140600	124060	**P**	**052KF107**	**DRP**	**180S4**	1340	356
							PF	**052KF107**	**DRP**	**180S4**	1140	357
							PH	**052KF107**	**DRP**	**180S4**	1340	356
							PHF	**052KF107**	**DRP**	**180S4**	1140	357
	0.66	130900	2243	350500	140600	124060	**P**	**052KF107**	**DRP**	**160MC4**	1310	356
	0.75	114300	1958	364000	140600	124060	**PF**	**052KF107**	**DRP**	**160MC4**	1110	357
	1.0	84700	1452	364000	140600	124060	**PH**	**052KF107**	**DRP**	**160MC4**	1300	356
	1.2	71600	1227	364000	140600	124060	**PHF**	**052KF107**	**DRP**	**160MC4**	1100	357
	1.1	78300	1343	364000	140600	124060	**P**	**052KF97**	**DRP**	**160MC4**	1200	354
	1.2	70500	1209	364000	140600	124060	**PF**	**052KF97**	**DRP**	**160MC4**	1000	355
							PH	**052KF97**	**DRP**	**160MC4**	1190	354
							PHF	**052KF97**	**DRP**	**160MC4**	990	355
	0.75	114300	1958	280000	111000	100170	**P**	**042KF107**	**DRP**	**160MC4**	1170	350
	0.89	96900	1661	298800	111000	100170	**PF**	**042KF107**	**DRP**	**160MC4**	980	351
	1.0	84700	1452	310100	111000	100170	**PH**	**042KF107**	**DRP**	**160MC4**	1170	350
	1.3	66400	1138	323000	111000	100170	**PHF**	**042KF107**	**DRP**	**160MC4**	980	351
	0.78	109700	1880	285300	111000	100170	**P**	**042KF97**	**DRP**	**180S4**	1080	348
							PF	**042KF97**	**DRP**	**180S4**	890	349
							PH	**042KF97**	**DRP**	**180S4**	1090	348
							PHF	**042KF97**	**DRP**	**180S4**	900	349
	0.78	109700	1880	285300	111000	100170	**P**	**042KF97**	**DRP**	**160MC4**	1050	348
	0.98	87700	1503	307500	111000	100170	**PF**	**042KF97**	**DRP**	**160MC4**	860	349
	1.2	70500	1209	321400	111000	100170	**PH**	**042KF97**	**DRP**	**160MC4**	1060	348
	1.4	63900	1095	323000	111000	100170	**PHF**	**042KF97**	**DRP**	**160MC4**	870	349
	1.5	56600	971	323000	111000	100170						
	1.7	51200	878	323000	111000	100170						
	1.2	70500	1209	222000	86800	69620	**P**	**032KF97**	**DRP**	**180S4**	840	342
							PF	**032KF97**	**DRP**	**180S4**	720	343
							PH	**032KF97**	**DRP**	**180S4**	860	342
							PHF	**032KF97**	**DRP**	**180S4**	740	343
	1.2	70500	1209	222000	86800	69620	**P**	**032KF97**	**DRP**	**160MC4**	810	342
	1.4	63900	1095	230400	86800	69620	**PF**	**032KF97**	**DRP**	**160MC4**	690	343
	1.5	56600	971	238500	86800	69620	**PH**	**032KF97**	**DRP**	**160MC4**	830	342
	1.7	51200	878	244000	86800	69620	**PHF**	**032KF97**	**DRP**	**160MC4**	710	343
	2.0	43400	744	251000	86800	69620						
	2.3	37900	650	252000	86800	69620						
	2.4	36600	628	252000	-	69200	**P**	**032KF87**	**DRP**	**160MC4**	730	340
	2.6	33000	567	252000	-	69620	**PF**	**032KF87**	**DRP**	**160MC4**	610	341
							PH	**032KF87**	**DRP**	**160MC4**	750	340
							PHF	**032KF87**	**DRP**	**160MC4**	630	341
	2.7	31700	543	197000	64200	51190	**P**	**022KF97**	**DRP**	**160MC4**	730	336
	3.1	27400	470	197000	64200	51190	**PF**	**022KF97**	**DRP**	**160MC4**	620	337
							PH	**022KF97**	**DRP**	**160MC4**	740	336
							PHF	**022KF97**	**DRP**	**160MC4**	640	337
	1.5	57000	978	181400	-	51190	**P**	**022KF87**	**DRP**	**160MC4**	650	334
	1.7	51300	879	190600	-	51190	**PF**	**022KF87**	**DRP**	**160MC4**	550	335
	1.9	44500	763	197000	64200	51190	**PH**	**022KF87**	**DRP**	**160MC4**	670	334
	2.2	39800	683	197000	64200	51190	**PHF**	**022KF87**	**DRP**	**160MC4**	560	335
	2.4	36600	628	197000	-	51190						
	3.0	28700	493	197000	64200	51190						
	3.4	25500	438	197000	64200	51190						

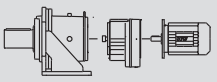
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
9.2	**3.6**	23800	408	156000	46200	36810	**P**	**012KF97**	**DRP**	**160MC4**	580	330
	4.3	19900	342	156000	46200	36810	**PF**	**012KF97**	**DRP**	**160MC4**	510	331
	5.3	16200	279	156000	46200	36810	**PH**	**012KF97**	**DRP**	**160MC4**	590	330
							PHF	**012KF97**	**DRP**	**160MC4**	520	331
	1.9	44500	763	156000	46200	36810	**P**	**012KF87**	**DRP**	**180S4**	530	328
	2.2	39800	683	156000	46200	36810	**PF**	**012KF87**	**DRP**	**180S4**	465	329
							PH	**012KF87**	**DRP**	**180S4**	550	328
							PHF	**012KF87**	**DRP**	**180S4**	480	329
	1.9	44500	763	156000	46200	36810	**P**	**012KF87**	**DRP**	**160MC4**	500	328
	2.2	39800	683	156000	46200	36810	**PF**	**012KF87**	**DRP**	**160MC4**	435	329
	2.4	36600	628	156000	46200	36810	**PH**	**012KF87**	**DRP**	**160MC4**	520	328
	2.6	33000	567	156000	46200	36810	**PHF**	**012KF87**	**DRP**	**160MC4**	450	329
	3.0	28700	493	156000	46200	36810						
	3.4	25500	438	156000	46200	36810						
	3.8	22800	392	156000	46200	36810						
	4.5	18900	325	156000	46200	36810						
	5.1	16900	291	156000	46200	36810						
	2.1	40900	701	156000	46200	36810	**P**	**012KF77**	**DRP**	**160MC4**	465	326
							PF	**012KF77**	**DRP**	**160MC4**	395	327
							PH	**012KF77**	**DRP**	**160MC4**	480	326
							PHF	**012KF77**	**DRP**	**160MC4**	410	327
	3.8	22800	391	120600	29200	24830	**P**	**002KF87**	**DRP**	**160MC4**	425	322
	4.6	18900	324	124000	29200	24830	**PF**	**002KF87**	**DRP**	**160MC4**	365	323
	5.2	16400	282	124000	29200	24830	**PH**	**002KF87**	**DRP**	**160MC4**	430	322
	6.0	14300	245	123600	29200	24830	**PHF**	**002KF87**	**DRP**	**160MC4**	370	323
	6.8	12700	218	119200	29200	24830						
	7.6	11300	195	115400	29200	24830						
	9.1	9450	162	109100	29200	24830						
	3.0	28100	483	112400	29200	24830	**P**	**002KF77**	**DRP**	**160MC4**	385	320
	10	8250	141	104700	-	15600	**PF**	**002KF77**	**DRP**	**160MC4**	330	321
							PH	**002KF77**	**DRP**	**160MC4**	390	320
							PHF	**002KF77**	**DRP**	**160MC4**	335	321
11.0	**0.43**	237400	3402	850000	631300	500000	**P**	**102KF167**	**DRP**	**180M4**	5140	374
	0.56	183900	2636	850000	631300	500000	**PF**	**102KF167**	**DRP**	**180M4**	4180	375
	0.63	164100	2352	850000	631300	500000	**PH**	**102KF167**	**DRP**	**180M4**	5200	374
	0.74	139900	2005	850000	631300	500000	**PHF**	**102KF167**	**DRP**	**180M4**	4240	375
	0.48	213900	3065	720000	513900	423000	**P**	**092KF167**	**DRP**	**180M4**	4280	370
	0.54	189400	2715	720000	513900	423000	**PF**	**092KF167**	**DRP**	**180M4**	3580	371
	0.62	166300	2383	720000	513900	423000	**PH**	**092KF167**	**DRP**	**180M4**	4300	370
	0.67	154100	2209	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**180M4**	3600	371
	0.73	141700	2031	720000	513900	423000						
	0.83	123300	1767	720000	513900	423000						
	0.39	262500	3761	683000	397100	359400	**P**	**082KF157**	**DRP**	**180M4**	3410	368
	0.43	240100	3440	683000	397100	359400	**PF**	**082KF157**	**DRP**	**180M4**	2760	369
							PH	**082KF157**	**DRP**	**180M4**	3400	368
							PHF	**082KF157**	**DRP**	**180M4**	2750	369
	0.39	266400	3818	523000	274600	245660	**P**	**072KF157**	**DRP**	**180M4**	2750	366
	0.49	212000	3038	523000	274600	245660	**PF**	**072KF157**	**DRP**	**180M4**	2260	367
							PH	**072KF157**	**DRP**	**180M4**	2800	366
							PHF	**072KF157**	**DRP**	**180M4**	2310	367
	0.43	238900	3425	523000	274600	245660	**P**	**072KF127**	**DRP**	**180M4**	2460	364
	0.47	217900	3123	523000	274600	245660	**PF**	**072KF127**	**DRP**	**180M4**	1970	365
	0.55	188600	2703	523000	274600	245660	**PH**	**072KF127**	**DRP**	**180M4**	2510	364
	0.62	166400	2385	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**180M4**	2020	365
	0.46	224500	3216	406000	209100	185660	**P**	**062KF127**	**DRP**	**180M4**	2040	362
	0.53	194300	2783	432000	209100	185660	**PF**	**062KF127**	**DRP**	**180M4**	1670	363
	0.60	171400	2456	449000	209100	185660	**PH**	**062KF127**	**DRP**	**180M4**	2030	362
	0.70	148000	2121	464300	209100	185660	**PHF**	**062KF127**	**DRP**	**180M4**	1660	363
	0.79	130900	1876	473000	209100	185660						
	0.66	156500	2243	458900	-	185660	**P**	**062KF107**	**DRP**	**180M4**	1840	360
	0.75	136600	1958	471000	-	185660	**PF**	**062KF107**	**DRP**	**180M4**	1480	361
	0.89	115900	1661	473000	-	185660	**PH**	**062KF107**	**DRP**	**180M4**	1830	360
							PHF	**062KF107**	**DRP**	**180M4**	1470	361

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
11.0	**0.75**	136600	1958	345500	140600	124060	**P**	**052KF107**	**DRP**	**180M4**	1360	356
	1.0	101300	1452	364000	140600	124060	**PF**	**052KF107**	**DRP**	**180M4**	1160	357
	1.2	85600	1227	364000	140600	124060	**PH**	**052KF107**	**DRP**	**180M4**	1350	356
							PHF	**052KF107**	**DRP**	**180M4**	1150	357
	0.89	115900	1661	278100	111000	100170	**P**	**042KF107**	**DRP**	**180M4**	1220	350
	1.0	101300	1452	294400	111000	100170	**PF**	**042KF107**	**DRP**	**180M4**	1030	351
	1.3	79400	1138	314600	111000	100170	**PH**	**042KF107**	**DRP**	**180M4**	1220	350
							PHF	**042KF107**	**DRP**	**180M4**	1030	351
	0.98	104800	1503	290700	111000	100170	**P**	**042KF97**	**DRP**	**180M4**	1100	348
	1.2	84300	1209	310400	111000	100170	**PF**	**042KF97**	**DRP**	**180M4**	910	349
	1.5	67700	971	323000	111000	100170	**PH**	**042KF97**	**DRP**	**180M4**	1100	348
	1.7	61200	878	323000	111000	100170	**PHF**	**042KF97**	**DRP**	**180M4**	910	349
	1.2	84300	1209	201400	86800	69620	**P**	**032KF97**	**DRP**	**180M4**	850	342
	1.4	76400	1095	213900	86800	69620	**PF**	**032KF97**	**DRP**	**180M4**	730	343
	1.5	67700	971	225700	86800	69620	**PH**	**032KF97**	**DRP**	**180M4**	870	342
	1.7	61200	878	233500	86800	69620	**PHF**	**032KF97**	**DRP**	**180M4**	750	343
	2.0	51900	744	243400	86800	69620						
	2.3	45300	650	249400	86800	69620						
	2.7	37900	543	197000	64200	51190	**P**	**022KF97**	**DRP**	**180M4**	770	336
	3.1	32800	470	197000	64200	51190	**PF**	**022KF97**	**DRP**	**180M4**	670	337
							PH	**022KF97**	**DRP**	**180M4**	790	336
							PHF	**022KF97**	**DRP**	**180M4**	690	337
	1.9	53200	763	187700	64200	51190	**P**	**022KF87**	**DRP**	**180M4**	700	334
	2.2	47600	683	195900	64200	51190	**PF**	**022KF87**	**DRP**	**180M4**	600	335
	2.4	43800	628	197000	-	51190	**PH**	**022KF87**	**DRP**	**180M4**	710	334
	2.6	39500	567	197000	64200	51190	**PHF**	**022KF87**	**DRP**	**180M4**	610	335
	3.0	34400	493	197000	64200	51190						
	3.4	30500	438	197000	64200	51190						
	3.8	27300	392	197000	-	51190						
	3.6	28500	408	156000	46200	36810	**P**	**012KF97**	**DRP**	**180M4**	630	330
	4.3	23800	342	156000	46200	36810	**PF**	**012KF97**	**DRP**	**180M4**	560	331
	5.3	19400	279	156000	46200	36810	**PH**	**012KF97**	**DRP**	**180M4**	640	330
							PHF	**012KF97**	**DRP**	**180M4**	570	331
	2.4	43800	628	156000	46200	36810	**P**	**012KF87**	**DRP**	**180M4**	550	328
	2.6	39500	567	156000	46200	36810	**PF**	**012KF87**	**DRP**	**180M4**	480	329
	3.0	34400	493	156000	46200	36810	**PH**	**012KF87**	**DRP**	**180M4**	570	328
	3.4	30500	438	156000	46200	36810	**PHF**	**012KF87**	**DRP**	**180M4**	495	329
	3.8	27300	392	156000	46200	36810						
	4.5	22700	325	156000	46200	36810						
	5.2	19700	283	156000	46200	36810						
	6.6	15600	225	148600	-	29500						
	3.8	27200	391	113900	29200	24830	**P**	**002KF87**	**DRP**	**180M4**	470	322
	4.6	22600	324	120800	29200	24830	**PF**	**002KF87**	**DRP**	**180M4**	415	323
	5.2	19600	282	124000	29200	24830	**PH**	**002KF87**	**DRP**	**180M4**	475	322
	7.6	13600	195	115400	29200	24830	**PHF**	**002KF87**	**DRP**	**180M4**	415	323
	9.1	11300	162	109100	29200	24830						
	10	9820	141	104600	29200	24800						
15.0	**0.41**	339700	3570	850000	631300	500000	**P**	**102KF187**	**DRP**	**180L4**	5780	376
	0.51	273100	2870	850000	631300	500000	**PF**	**102KF187**	**DRP**	**180L4**	4820	377
							PH	**102KF187**	**DRP**	**180L4**	5840	376
							PHF	**102KF187**	**DRP**	**180L4**	4880	377
	0.63	223800	2352	850000	631300	500000	**P**	**102KF167**	**DRP**	**180L4**	5150	374
	0.74	190700	2005	850000	631300	500000	**PF**	**102KF167**	**DRP**	**180L4**	4190	375
							PH	**102KF167**	**DRP**	**180L4**	5210	374
							PHF	**102KF167**	**DRP**	**180L4**	4250	375
	0.41	344200	3617	720000	513900	423000	**P**	**092KF187**	**DRP**	**180L4**	4920	372
	0.51	276700	2908	720000	513900	423000	**PF**	**092KF187**	**DRP**	**180L4**	4230	373
	0.57	248200	2608	720000	513900	423000	**PH**	**092KF187**	**DRP**	**180L4**	4940	372
	0.65	215500	2264	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**180L4**	4240	373
	0.67	210200	2209	720000	513900	423000	**P**	**092KF167**	**DRP**	**180L4**	4290	370
	0.73	193300	2031	720000	513900	423000	**PF**	**092KF167**	**DRP**	**180L4**	3600	371
	0.83	168100	1767	720000	513900	423000	**PH**	**092KF167**	**DRP**	**180L4**	4310	370
	1.2	120400	1265	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**180L4**	3610	371
	1.2	116200	1221	720000	513900	423000						
	1.3	107400	1129	720000	513900	423000						

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}					m	
					f_{LC}<=7.5	f_{LC}>107.5					
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]				[kg]	
15.0	**0.39**	358000	3761	655700	397100	359400	**P**	**082KF157**	**DRP**	**180L4**	3420	368
	0.43	327400	3440	680600	397100	359400	**PF**	**082KF157**	**DRP**	**180L4**	2770	369
	0.64	217900	2290	683000	397100	359400	**PH**	**082KF157**	**DRP**	**180L4**	3410	368
	0.72	193900	2038	683000	397100	359400	**PHF**	**082KF157**	**DRP**	**180L4**	2760	369
	0.49	289100	3038	499500	274600	245660	**P**	**072KF157**	**DRP**	**180L4**	2760	366
							PF	**072KF157**	**DRP**	**180L4**	2270	367
							PH	**072KF157**	**DRP**	**180L4**	2820	366
							PHF	**072KF157**	**DRP**	**180L4**	2320	367
	0.55	257200	2703	523000	274600	245660	**P**	**072KF127**	**DRP**	**180L4**	2470	364
	0.62	226900	2385	523000	274600	245660	**PF**	**072KF127**	**DRP**	**180L4**	1980	365
	0.72	196000	2060	523000	274600	245660	**PH**	**072KF127**	**DRP**	**180L4**	2520	364
	0.81	173300	1822	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**180L4**	2030	365
	0.96	145700	1531	523000	274600	245660						
	1.1	131300	1381	523000	274600	245660						
	0.70	201900	2121	425800	209100	185660	**P**	**062KF127**	**DRP**	**180L4**	2050	362
	0.79	178500	1876	443900	209100	185660	**PF**	**062KF127**	**DRP**	**180L4**	1680	363
	0.94	150000	1577	463000	209100	185660	**PH**	**062KF127**	**DRP**	**180L4**	2040	362
	1.0	135300	1422	471700	209100	185660	**PHF**	**062KF127**	**DRP**	**180L4**	1670	363
	1.2	117100	1231	473000	209100	185660						
	0.89	158000	1661	458000	-	185660	**P**	**062KF107**	**DRP**	**180L4**	1860	360
	1.0	138100	1452	470100	-	185660	**PF**	**062KF107**	**DRP**	**180L4**	1490	361
	1.2	116800	1227	473000	209100	185660	**PH**	**062KF107**	**DRP**	**180L4**	1840	360
	1.3	108200	1138	473000	209100	185660	**PHF**	**062KF107**	**DRP**	**180L4**	1480	361
	1.4	98200	1033	473000	209100	185660						
	1.0	138100	1452	344100	140600	124060	**P**	**052KF107**	**DRP**	**180L4**	1370	356
	1.2	116800	1227	362100	140600	124060	**PF**	**052KF107**	**DRP**	**180L4**	1170	357
	1.4	98200	1033	364000	140600	124060	**PH**	**052KF107**	**DRP**	**180L4**	1360	356
	1.7	84400	887	364000	140600	124060	**PHF**	**052KF107**	**DRP**	**180L4**	1160	357
	1.9	73700	774	364000	140600	124060						
	1.1	127800	1343	353200	140600	124060	**P**	**052KF97**	**DRP**	**180L4**	1260	354
	1.7	83500	878	364000	140600	124060	**PF**	**052KF97**	**DRP**	**180L4**	1060	355
	2.0	70800	744	364000	140600	124060	**PH**	**052KF97**	**DRP**	**180L4**	1250	354
							PHF	**052KF97**	**DRP**	**180L4**	1050	355
	1.3	108200	1138	287000	111000	100170	**P**	**042KF107**	**DRP**	**180L4**	1230	350
							PF	**042KF107**	**DRP**	**180L4**	1040	351
							PH	**042KF107**	**DRP**	**180L4**	1230	350
							PHF	**042KF107**	**DRP**	**180L4**	1040	351
	1.4	104100	1095	291400	111000	100170	**P**	**042KF97**	**DRP**	**180L4**	1110	348
	1.5	92300	971	303200	111000	100170	**PF**	**042KF97**	**DRP**	**180L4**	920	349
	1.7	83500	878	311100	111000	100170	**PH**	**042KF97**	**DRP**	**180L4**	1120	348
	2.0	70800	744	321300	111000	100170	**PHF**	**042KF97**	**DRP**	**180L4**	930	349
	2.3	61800	650	323000	111000	100170						
	2.7	51700	543	323000	111000	100170						
	1.7	83500	878	202800	86800	69620	**P**	**032KF97**	**DRP**	**180L4**	860	342
	2.0	70800	744	221700	86800	69620	**PF**	**032KF97**	**DRP**	**180L4**	740	343
	2.3	61800	650	232800	86800	69620	**PH**	**032KF97**	**DRP**	**180L4**	890	342
	2.7	51700	543	243600	86800	69620	**PHF**	**032KF97**	**DRP**	**180L4**	760	343
	3.1	44700	470	249900	86800	69620						
	3.6	38800	408	252000	-	69620						
	2.7	51700	543	190000	64200	51190	**P**	**022KF97**	**DRP**	**180L4**	780	336
	3.1	44700	470	197000	64200	51190	**PF**	**022KF97**	**DRP**	**180L4**	680	337
	3.6	38800	408	197000	64200	51190	**PH**	**022KF97**	**DRP**	**180L4**	800	336
	4.3	32500	342	197000	64200	51190	**PHF**	**022KF97**	**DRP**	**180L4**	700	337
	4.4	31600	333	197000	64200	51190						
	5.3	26500	279	197000	64200	51190						
	6.1	22900	241	197000	64200	51190						
	2.6	53900	567	186600	64200	51190	**P**	**022KF87**	**DRP**	**180L4**	710	334
							PF	**022KF87**	**DRP**	**180L4**	610	335
							PH	**022KF87**	**DRP**	**180L4**	730	334
							PHF	**022KF87**	**DRP**	**180L4**	620	335

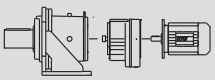
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
15.0	**3.6**	38800	408	156000	46200	36810	**P**	**012KF97**	**DRP**	**180L4**		640	330
	4.3	32500	342	156000	46200	36810	**PF**	**012KF97**	**DRP**	**180L4**		570	331
	5.3	26500	279	156000	46200	36810	**PH**	**012KF97**	**DRP**	**180L4**		650	330
	6.1	22900	241	151800	46200	36810	**PHF**	**012KF97**	**DRP**	**180L4**		580	331
	7.0	19900	209	145500	46200	36810							
	8.4	16600	175	138000	46200	36810							
	3.4	41600	438	156000	46200	36810	**P**	**012KF87**	**DRP**	**180L4**		560	328
	3.8	37300	392	156000	46200	36810	**PF**	**012KF87**	**DRP**	**180L4**		490	329
							PH	**012KF87**	**DRP**	**180L4**		580	328
							PHF	**012KF87**	**DRP**	**180L4**		510	329
	6.3	22200	234	121300	29200	24830	**P**	**002KF97**	**DRP**	**180L4**		560	324
	7.3	19300	203	116800	29200	24830	**PF**	**002KF97**	**DRP**	**180L4**		500	325
							PH	**002KF97**	**DRP**	**180L4**		560	324
							PHF	**002KF97**	**DRP**	**180L4**		500	325
	5.2	26800	282	114600	29200	24830	**P**	**002KF87**	**DRP**	**180L4**		480	322
	9.1	15400	162	109100	29200	24830	**PF**	**002KF87**	**DRP**	**180L4**		425	323
	10	13400	141	104600	29200	24800	**PH**	**002KF87**	**DRP**	**180L4**		485	322
							PHF	**002KF87**	**DRP**	**180L4**		430	323
18.5	**0.42**	416700	3570	850000	631300	500000	**P**	**102KF187**	**DRP**	**200L4**		5880	376
	0.52	335000	2870	850000	631300	500000	**PF**	**102KF187**	**DRP**	**200L4**		4930	377
	0.58	300500	2574	850000	631300	500000	**PH**	**102KF187**	**DRP**	**200L4**		5940	376
	0.66	260900	2235	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**200L4**		4990	377
	0.73	236700	2028	850000	631300	500000							
	0.41	417600	3570	850000	631300	500000	**P**	**102KF187**	**DRP**	**180LC4**		5790	376
	0.52	335700	2870	850000	631300	500000	**PF**	**102KF187**	**DRP**	**180LC4**		4830	377
	0.57	301100	2574	850000	631300	500000	**PH**	**102KF187**	**DRP**	**180LC4**		5850	376
	0.66	261400	2235	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**180LC4**		4890	377
	0.89	193900	1661	850000	631300	500000	**P**	**102KF167**	**DRP**	**200L4**		5250	374
	1.2	145700	1249	850000	631300	500000	**PF**	**102KF167**	**DRP**	**200L4**		4300	375
	1.3	130000	1114	850000	631300	500000	**PH**	**102KF167**	**DRP**	**200L4**		5310	374
	1.6	110800	949	850000	631300	500000	**PHF**	**102KF167**	**DRP**	**200L4**		4360	375
	0.74	234500	2005	850000	631300	500000	**P**	**102KF167**	**DRP**	**180LC4**		5160	374
	0.89	194300	1661	850000	631300	500000	**PF**	**102KF167**	**DRP**	**180LC4**		4200	375
	1.2	146000	1249	850000	631300	500000	**PH**	**102KF167**	**DRP**	**180LC4**		5220	374
	1.3	130300	1114	850000	631300	500000	**PHF**	**102KF167**	**DRP**	**180LC4**		4260	375
	0.41	422300	3617	720000	513900	423000	**P**	**092KF187**	**DRP**	**200L4**		5030	372
	0.51	339500	2908	720000	513900	423000	**PF**	**092KF187**	**DRP**	**200L4**		4330	373
	0.57	304500	2608	720000	513900	423000	**PH**	**092KF187**	**DRP**	**200L4**		5040	372
	0.65	264400	2264	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**200L4**		4340	373
	0.72	239800	2054	720000	513900	423000							
	0.84	206600	1770	720000	513900	423000							
	0.41	423200	3617	720000	513900	423000	**P**	**092KF187**	**DRP**	**180LC4**		4930	372
	0.51	340200	2908	720000	513900	423000	**PF**	**092KF187**	**DRP**	**180LC4**		4240	373
	0.57	305100	2608	720000	513900	423000	**PH**	**092KF187**	**DRP**	**180LC4**		4940	372
	0.65	264900	2264	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**180LC4**		4250	373
	0.72	240300	2054	720000	513900	423000							
	1.2	147700	1265	720000	513900	423000	**P**	**092KF167**	**DRP**	**200L4**		4400	370
	1.2	142600	1221	720000	513900	423000	**PF**	**092KF167**	**DRP**	**200L4**		3700	371
	1.3	131800	1129	720000	513900	423000	**PH**	**092KF167**	**DRP**	**200L4**		4410	370
	1.4	121500	1041	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**200L4**		3710	371
	1.5	112300	962	720000	513900	423000							
	1.7	100700	863	720000	513900	423000							
	1.9	93000	797	720000	513900	423000							
	0.84	206700	1767	720000	513900	423000	**P**	**092KF167**	**DRP**	**180LC4**		4300	370
	0.88	196900	1683	720000	513900	423000	**PF**	**092KF167**	**DRP**	**180LC4**		3600	371
	1.2	148000	1265	720000	513900	423000	**PH**	**092KF167**	**DRP**	**180LC4**		4320	370
	1.2	142900	1221	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**180LC4**		3620	371
	1.3	132000	1129	720000	513900	423000							
	1.4	121800	1041	720000	513900	423000							
	1.5	112500	962	720000	513900	423000							

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
18.5	**0.56**	308400	2641	683000	397100	359400	**P**	**082KF157**	**DRP**	**200L4**	3520	368
	0.65	267300	2290	683000	397100	359400	**PF**	**082KF157**	**DRP**	**200L4**	2880	369
	0.73	237800	2038	683000	397100	359400	**PH**	**082KF157**	**DRP**	**200L4**	3520	368
	0.84	205000	1756	683000	397100	359400	**PHF**	**082KF157**	**DRP**	**200L4**	2870	369
	1.0	166600	1427	683000	397100	359400						
	0.43	402400	3440	613100	397100	359400	**P**	**082KF157**	**DRP**	**180LC4**	3430	368
	0.49	350100	2993	662600	397100	359400	**PF**	**082KF157**	**DRP**	**180LC4**	2780	369
	0.56	309000	2641	683000	397100	359400	**PH**	**082KF157**	**DRP**	**180LC4**	3420	368
	0.65	267900	2290	683000	397100	359400	**PHF**	**082KF157**	**DRP**	**180LC4**	2770	369
	0.73	238300	2038	683000	397100	359400						
	0.64	271300	2325	519600	274600	245660	**P**	**072KF157**	**DRP**	**200L4**	2870	366
	0.72	241400	2068	523000	274600	245660	**PF**	**072KF157**	**DRP**	**200L4**	2380	367
	1.0	169000	1449	523000	274600	245660	**PH**	**072KF157**	**DRP**	**200L4**	2920	366
							PHF	**072KF157**	**DRP**	**200L4**	2430	367
	0.64	271900	2325	519000	274600	245660	**P**	**072KF157**	**DRP**	**180LC4**	2770	366
							PF	**072KF157**	**DRP**	**180LC4**	2280	367
							PH	**072KF157**	**DRP**	**180LC4**	2820	366
							PHF	**072KF157**	**DRP**	**180LC4**	2330	367
	0.81	212600	1822	523000	274600	245660	**P**	**072KF127**	**DRP**	**200L4**	2580	364
	1.1	161100	1381	523000	274600	245660	**PF**	**072KF127**	**DRP**	**200L4**	2080	365
	1.2	139400	1195	523000	274600	245660	**PH**	**072KF127**	**DRP**	**200L4**	2630	364
	1.4	123000	1055	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**200L4**	2140	365
	1.6	106200	911	523000	274600	245660						
	0.72	240900	2060	523000	274600	245660	**P**	**072KF127**	**DRP**	**180LC4**	2480	364
	0.81	213100	1822	523000	274600	245660	**PF**	**072KF127**	**DRP**	**180LC4**	1990	365
	0.97	179000	1531	523000	274600	245660	**PH**	**072KF127**	**DRP**	**180LC4**	2530	364
	1.1	161400	1381	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**180LC4**	2040	365
	0.94	184100	1577	439800	209100	185660	**P**	**062KF127**	**DRP**	**200L4**	2150	362
	1.0	166000	1422	452700	209100	185660	**PF**	**062KF127**	**DRP**	**200L4**	1790	363
	1.2	143600	1231	466900	209100	185660	**PH**	**062KF127**	**DRP**	**200L4**	2140	362
	1.4	126700	1086	473000	209100	185660	**PHF**	**062KF127**	**DRP**	**200L4**	1780	363
	1.6	109400	938	473000	209100	185660						
	1.8	96800	830	473000	209100	185660						
	2.1	81300	697	473000	209100	185660						
	0.79	219500	1876	410600	209100	185660	**P**	**062KF127**	**DRP**	**180LC4**	2060	362
	0.94	184400	1577	439600	209100	185660	**PF**	**062KF127**	**DRP**	**180LC4**	1690	363
	1.0	166300	1422	452500	209100	185660	**PH**	**062KF127**	**DRP**	**180LC4**	2050	362
	1.2	143900	1231	466700	209100	185660	**PHF**	**062KF127**	**DRP**	**180LC4**	1680	363
	1.3	132800	1138	473000	209100	185660	**P**	**062KF107**	**DRP**	**200L4**	1960	360
	1.4	120500	1033	473000	209100	185660	**PF**	**062KF107**	**DRP**	**200L4**	1600	361
	1.7	103500	887	473000	209100	185660	**PH**	**062KF107**	**DRP**	**200L4**	1950	360
	1.9	90400	774	473000	209100	185660	**PHF**	**062KF107**	**DRP**	**200L4**	1580	361
	2.3	76600	657	473000	209100	185660						
	2.6	67000	574	473000	209100	185660						
	1.2	143500	1227	466900	209100	185660	**P**	**062KF107**	**DRP**	**180LC4**	1860	360
	1.3	133000	1138	473000	209100	185660	**PF**	**062KF107**	**DRP**	**180LC4**	1500	361
	1.4	120700	1033	473000	209100	185660	**PH**	**062KF107**	**DRP**	**180LC4**	1850	360
							PHF	**062KF107**	**DRP**	**180LC4**	1490	361
	2.6	65700	563	364000	140600	124060	**P**	**052KF127**	**DRP**	**200L4**	1670	358
	3.0	58500	502	364000	140600	124060	**PF**	**052KF127**	**DRP**	**200L4**	1470	359
							PH	**052KF127**	**DRP**	**200L4**	1660	358
							PHF	**052KF127**	**DRP**	**200L4**	1460	359
	1.3	132800	1138	348900	140600	124060	**P**	**052KF107**	**DRP**	**200L4**	1480	356
	1.7	103500	887	364000	140600	124060	**PF**	**052KF107**	**DRP**	**200L4**	1280	357
	2.3	76600	657	364000	140600	124060	**PH**	**052KF107**	**DRP**	**200L4**	1470	356
							PHF	**052KF107**	**DRP**	**200L4**	1270	357
	1.3	133000	1138	348700	140600	124060	**P**	**052KF107**	**DRP**	**180LC4**	1380	356
	1.4	120700	1033	359000	140600	124060	**PF**	**052KF107**	**DRP**	**180LC4**	1180	357
	1.7	103800	887	364000	140600	124060	**PH**	**052KF107**	**DRP**	**180LC4**	1370	356
	1.9	90600	774	364000	140600	124060	**PHF**	**052KF107**	**DRP**	**180LC4**	1170	357

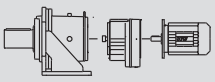
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] [1]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
18.5	**1.4**	127800	1095	353200	140600	124060	**P**	**052KF97**	**DRP**	**200L4**	1360	354
	2.7	63400	543	364000	140600	124060	**PF**	**052KF97**	**DRP**	**200L4**	1160	355
	3.2	54900	470	364000	140600	124060	**PH**	**052KF97**	**DRP**	**200L4**	1350	354
							PHF	**052KF97**	**DRP**	**200L4**	1150	355
	1.4	128000	1095	353000	140600	124060	**P**	**052KF97**	**DRP**	**180LC4**	1260	354
							PF	**052KF97**	**DRP**	**180LC4**	1070	355
							PH	**052KF97**	**DRP**	**180LC4**	1260	354
							PHF	**052KF97**	**DRP**	**180LC4**	1060	355
	3.5	49200	421	323000	111000	100170	**P**	**042KF127**	**DRP**	**200L4**	1520	352
							PF	**042KF127**	**DRP**	**200L4**	1330	353
							PH	**042KF127**	**DRP**	**200L4**	1530	352
							PHF	**042KF127**	**DRP**	**200L4**	1340	353
	1.7	103500	887	292000	111000	100170	**P**	**042KF107**	**DRP**	**200L4**	1330	350
	1.9	90400	774	305000	111000	100170	**PF**	**042KF107**	**DRP**	**200L4**	1140	351
	2.6	67000	574	323000	111000	100170	**PH**	**042KF107**	**DRP**	**200L4**	1330	350
	2.8	61500	527	323000	111000	100170	**PHF**	**042KF107**	**DRP**	**200L4**	1140	351
	3.2	53600	460	323000	111000	100170						
	3.8	45500	390	320900	111000	100170						
	1.7	103800	887	291800	111000	100170	**P**	**042KF107**	**DRP**	**180LC4**	1240	350
							PF	**042KF107**	**DRP**	**180LC4**	1050	351
							PH	**042KF107**	**DRP**	**180LC4**	1240	350
							PHF	**042KF107**	**DRP**	**180LC4**	1050	351
	1.7	102400	878	293200	111000	100170	**P**	**042KF97**	**DRP**	**200L4**	1220	348
	2.3	75800	650	317400	111000	100170	**PF**	**042KF97**	**DRP**	**200L4**	1030	349
	3.6	47600	408	323000	-	100170	**PH**	**042KF97**	**DRP**	**200L4**	1220	348
	4.3	39800	342	308400	-	100170	**PHF**	**042KF97**	**DRP**	**200L4**	1030	349
	1.7	102600	878	293000	111000	100170	**P**	**042KF97**	**DRP**	**180LC4**	1120	348
	2.0	87000	744	308100	111000	100170	**PF**	**042KF97**	**DRP**	**180LC4**	930	349
	2.3	76000	650	317300	111000	100170	**PH**	**042KF97**	**DRP**	**180LC4**	1120	348
	2.7	63500	543	323000	111000	100170	**PHF**	**042KF97**	**DRP**	**180LC4**	930	349
	5.1	33600	289	237300	86800	69620	**P**	**032KF127**	**DRP**	**200L4**	1280	346
	5.8	30000	257	229200	86800	69620	**PF**	**032KF127**	**DRP**	**200L4**	1160	347
							PH	**032KF127**	**DRP**	**200L4**	1300	346
							PHF	**032KF127**	**DRP**	**200L4**	1180	347
	3.8	45500	390	249200	86800	69620	**P**	**032KF107**	**DRP**	**200L4**	1080	344
	4.4	39800	341	249400	86800	69620	**PF**	**032KF107**	**DRP**	**200L4**	960	345
	5.0	34300	294	238700	86800	69620	**PH**	**032KF107**	**DRP**	**200L4**	1100	344
	5.5	31500	270	232600	-	69620	**PHF**	**032KF107**	**DRP**	**200L4**	980	345
	2.3	75800	650	214700	86800	69620	**P**	**032KF97**	**DRP**	**200L4**	970	342
	2.7	63400	543	231000	86800	69620	**PF**	**032KF97**	**DRP**	**200L4**	850	343
	3.2	54900	470	240400	86800	69620	**PH**	**032KF97**	**DRP**	**200L4**	990	342
	5.3	32500	279	234800	-	69620	**PHF**	**032KF97**	**DRP**	**200L4**	870	343
	6.2	28100	241	224800	-	69620						
	2.3	76000	650	214500	86800	69620	**P**	**032KF97**	**DRP**	**180LC4**	870	342
	2.7	63500	543	230800	86800	69620	**PF**	**032KF97**	**DRP**	**180LC4**	750	343
	3.2	55000	470	240200	86800	69620	**PH**	**032KF97**	**DRP**	**180LC4**	890	342
	3.6	47700	408	247300	-	69620	**PHF**	**032KF97**	**DRP**	**180LC4**	770	343
	6.3	27500	236	197000	64200	51190	**P**	**022KF107**	**DRP**	**200L4**	1000	338
	7.4	23300	200	197000	64200	51190	**PF**	**022KF107**	**DRP**	**200L4**	900	339
	8.5	20400	175	197000	64200	51190	**PH**	**022KF107**	**DRP**	**200L4**	1020	338
							PHF	**022KF107**	**DRP**	**200L4**	920	339
	2.7	63400	543	169800	64200	51190	**P**	**022KF97**	**DRP**	**200L4**	890	336
	3.2	54900	470	185000	64200	51190	**PF**	**022KF97**	**DRP**	**200L4**	790	337
	3.6	47600	408	195900	64200	51190	**PH**	**022KF97**	**DRP**	**200L4**	900	336
	4.3	39800	342	197000	64200	51190	**PHF**	**022KF97**	**DRP**	**200L4**	800	337
	4.4	38800	333	197000	64200	51190						
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	7.1	24400	209	197000	-	51190						
	8.5	20400	175	197000	64200	51190						

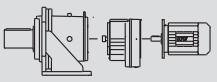
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
18.5	2.7	63500	543	169500	64200	51190	P	022KF97	DRP	180LC4		790	336
	3.2	55000	470	184800	64200	51190	PF	022KF97	DRP	180LC4		690	337
	3.6	47700	408	195700	64200	51190	PH	022KF97	DRP	180LC4		810	336
	4.3	39900	342	197000	64200	51190	PHF	022KF97	DRP	180LC4		710	337
	4.4	38900	333	197000	64200	51190							
	5.3	32500	279	197000	64200	51190							
	6.1	28200	241	197000	64200	51190							
	3.0	57600	493	180400	64200	51190	P	022KF87	DRP	180LC4		720	334
							PF	022KF87	DRP	180LC4		620	335
							PH	022KF87	DRP	180LC4		730	334
							PHF	022KF87	DRP	180LC4		630	335
	4.3	39800	342	156000	46200	36810	P	012KF97	DRP	200L4		740	330
	4.4	38800	333	156000	46200	36810	PF	012KF97	DRP	200L4		670	331
	6.2	28100	241	151600	46200	36810	PH	012KF97	DRP	200L4		750	330
	7.1	24400	209	145300	46200	36810	PHF	012KF97	DRP	200L4		680	331
	8.5	20400	175	137700	46200	36810							
	4.3	39900	342	156000	46200	36810	P	012KF97	DRP	180LC4		650	330
	4.4	38900	333	156000	46200	36810	PF	012KF97	DRP	180LC4		580	331
	5.3	32500	279	156000	46200	36810	PH	012KF97	DRP	180LC4		660	330
	6.1	28200	241	151700	46200	36810	PHF	012KF97	DRP	180LC4		590	331
	7.1	24400	209	145400	46200	36810							
	8.4	20400	175	137800	46200	36810							
	3.8	45800	392	156000	46200	36810	P	012KF87	DRP	180LC4		570	328
	4.6	38000	325	156000	46200	36810	PF	012KF87	DRP	180LC4		500	329
							PH	012KF87	DRP	180LC4		590	328
							PHF	012KF87	DRP	180LC4		520	329
	6.3	27300	234	113800	29200	24830	P	002KF97	DRP	200L4		660	324
							PF	002KF97	DRP	200L4		600	325
							PH	002KF97	DRP	200L4		660	324
							PHF	002KF97	DRP	200L4		610	325
	6.3	27300	234	113700	29200	24830	P	002KF97	DRP	180LC4		570	324
	7.3	23700	203	116700	29200	24830	PF	002KF97	DRP	180LC4		510	325
	8.7	19800	170	110600	29200	24830	PH	002KF97	DRP	180LC4		570	324
							PHF	002KF97	DRP	180LC4		510	325
	6.0	28600	245	111500	29200	24830	P	002KF87	DRP	180LC4		490	322
	6.8	25500	218	116700	29200	24830	PF	002KF87	DRP	180LC4		435	323
							PH	002KF87	DRP	180LC4		495	322
							PHF	002KF87	DRP	180LC4		435	323
22	0.42	495900	3570	850000	631300	500000	P	102KF187	DRP	200L4		5880	376
	0.52	398700	2870	850000	631300	500000	PF	102KF187	DRP	200L4		4930	377
	0.58	357600	2574	850000	631300	500000	PH	102KF187	DRP	200L4		5940	376
	0.66	310400	2235	850000	631300	500000	PHF	102KF187	DRP	200L4		4990	377
	0.73	281700	2028	850000	631300	500000							
	0.89	230700	1661	850000	631300	500000	P	102KF167	DRP	200L4		5250	374
	1.2	173400	1249	850000	631300	500000	PF	102KF167	DRP	200L4		4300	375
	1.3	154700	1114	850000	631300	500000	PH	102KF167	DRP	200L4		5310	374
	1.6	131900	949	850000	631300	500000	PHF	102KF167	DRP	200L4		4360	375
	0.41	502500	3617	677900	513900	423000	P	092KF187	DRP	200L4		5030	372
	0.51	404000	2908	720000	513900	423000	PF	092KF187	DRP	200L4		4330	373
	0.57	362300	2608	720000	513900	423000	PH	092KF187	DRP	200L4		5040	372
	0.65	314600	2264	720000	513900	423000	PHF	092KF187	DRP	200L4		4340	373
	0.72	285400	2054	720000	513900	423000							
	0.84	245900	1770	720000	513900	423000							
	0.43	478900	3447	703200	513900	423000	P	092KF167	DRP	200L4		4400	370
	0.48	425900	3065	720000	513900	423000	PF	092KF167	DRP	200L4		3700	371
	1.2	175700	1265	720000	513900	423000	PH	092KF167	DRP	200L4		4410	370
	1.2	169700	1221	720000	513900	423000	PHF	092KF167	DRP	200L4		3710	371
	1.3	156800	1129	720000	513900	423000							
	1.4	144600	1041	720000	513900	423000							
	1.5	133600	962	720000	513900	423000							
	1.7	119800	863	720000	513900	423000							
	1.9	110700	797	720000	513900	423000							

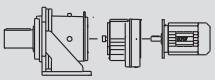
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
22	**0.56**	367000	2641	647600	397100	359400	**P**	**082KF157**	**DRP**	**200L4**		3520	368
	0.65	318100	2290	683000	397100	359400	**PF**	**082KF157**	**DRP**	**200L4**		2880	369
	0.73	283000	2038	683000	397100	359400	**PH**	**082KF157**	**DRP**	**200L4**		3520	368
	0.84	244000	1756	683000	397100	359400	**PHF**	**082KF157**	**DRP**	**200L4**		2870	369
	1.0	198200	1427	683000	397100	359400							
	0.72	287200	2068	501700	274600	245660	**P**	**072KF157**	**DRP**	**200L4**		2870	366
	1.0	201200	1449	523000	274600	245660	**PF**	**072KF157**	**DRP**	**200L4**		2380	367
							PH	**072KF157**	**DRP**	**200L4**		2920	366
							PHF	**072KF157**	**DRP**	**200L4**		2430	367
	0.81	253000	1822	523000	274600	245660	**P**	**072KF127**	**DRP**	**200L4**		2580	364
	1.1	191700	1381	523000	274600	245660	**PF**	**072KF127**	**DRP**	**200L4**		2080	365
	1.2	165900	1195	523000	274600	245660	**PH**	**072KF127**	**DRP**	**200L4**		2630	364
	1.4	146400	1055	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**200L4**		2140	365
	1.6	126400	911	523000	274600	245660							
	0.94	219000	1577	411000	209100	185660	**P**	**062KF127**	**DRP**	**200L4**		2150	362
	1.0	197500	1422	429400	209100	185660	**PF**	**062KF127**	**DRP**	**200L4**		1790	363
	1.2	170900	1231	449300	209100	185660	**PH**	**062KF127**	**DRP**	**200L4**		2140	362
	1.4	150800	1086	462500	209100	185660	**PHF**	**062KF127**	**DRP**	**200L4**		1780	363
	1.6	130200	938	473000	209100	185660							
	1.8	115200	830	473000	209100	185660							
	2.1	96800	697	473000	209100	185660							
	1.3	158000	1138	458000	209100	185660	**P**	**062KF107**	**DRP**	**200L4**		1960	360
	1.4	143400	1033	467000	209100	185660	**PF**	**062KF107**	**DRP**	**200L4**		1600	361
	1.7	123200	887	473000	209100	185660	**PH**	**062KF107**	**DRP**	**200L4**		1950	360
	1.9	107600	774	473000	209100	185660	**PHF**	**062KF107**	**DRP**	**200L4**		1580	361
	2.3	91200	657	473000	209100	185660							
	2.6	79700	574	473000	209100	185660							
	2.6	78200	563	364000	140600	124060	**P**	**052KF127**	**DRP**	**200L4**		1670	358
	3.0	69600	502	364000	140600	124060	**PF**	**052KF127**	**DRP**	**200L4**		1470	359
							PH	**052KF127**	**DRP**	**200L4**		1660	358
							PHF	**052KF127**	**DRP**	**200L4**		1460	359
	1.7	123200	887	357000	140600	124060	**P**	**052KF107**	**DRP**	**200L4**		1480	356
	2.3	91200	657	364000	140600	124060	**PF**	**052KF107**	**DRP**	**200L4**		1280	357
							PH	**052KF107**	**DRP**	**200L4**		1470	356
							PHF	**052KF107**	**DRP**	**200L4**		1270	357
	1.5	134800	971	347100	140600	124060	**P**	**052KF97**	**DRP**	**200L4**		1360	354
	2.7	75500	543	364000	140600	124060	**PF**	**052KF97**	**DRP**	**200L4**		1160	355
	3.2	65300	470	364000	140600	124060	**PH**	**052KF97**	**DRP**	**200L4**		1350	354
							PHF	**052KF97**	**DRP**	**200L4**		1150	355
	3.5	58500	421	323000	111000	100170	**P**	**042KF127**	**DRP**	**200L4**		1520	352
							PF	**042KF127**	**DRP**	**200L4**		1330	353
							PH	**042KF127**	**DRP**	**200L4**		1530	352
							PHF	**042KF127**	**DRP**	**200L4**		1340	353
	1.9	107600	774	287700	111000	100170	**P**	**042KF107**	**DRP**	**200L4**		1330	350
	2.6	79700	574	314300	111000	100170	**PF**	**042KF107**	**DRP**	**200L4**		1140	351
	2.8	73200	527	319500	111000	100170	**PH**	**042KF107**	**DRP**	**200L4**		1330	350
	3.2	63900	460	323000	111000	100170	**PHF**	**042KF107**	**DRP**	**200L4**		1140	351
	3.8	54200	390	320900	111000	100170							
	2.0	103300	744	292300	111000	100170	**P**	**042KF97**	**DRP**	**200L4**		1220	348
	2.3	90200	650	305200	111000	100170	**PF**	**042KF97**	**DRP**	**200L4**		1030	349
	3.6	56700	408	323000	-	100170	**PH**	**042KF97**	**DRP**	**200L4**		1220	348
	4.3	47400	342	308400	-	100170	**PHF**	**042KF97**	**DRP**	**200L4**		1030	349
	5.1	40000	289	237300	86800	69620	**P**	**032KF127**	**DRP**	**200L4**		1280	346
	5.8	35700	257	229300	86800	69620	**PF**	**032KF127**	**DRP**	**200L4**		1160	347
							PH	**032KF127**	**DRP**	**200L4**		1300	346
							PHF	**032KF127**	**DRP**	**200L4**		1180	347
	3.8	54200	390	241100	86800	69620	**P**	**032KF107**	**DRP**	**200L4**		1080	344
	4.4	47300	341	247600	86800	69620	**PF**	**032KF107**	**DRP**	**200L4**		960	345
	5.0	40800	294	238700	86800	69620	**PH**	**032KF107**	**DRP**	**200L4**		1100	344
	5.5	37500	270	232600	-	69620	**PHF**	**032KF107**	**DRP**	**200L4**		980	345

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}						m	
					f_{LC}<=7.5	f_{LC}>107.5						
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]					[kg]	
22	2.7	75500	543	215200	86800	69620	P	032KF97	DRP	200L4	970	342
	3.2	65300	470	228600	86800	69620	PF	032KF97	DRP	200L4	850	343
	5.3	38700	279	234800	-	69620	PH	032KF97	DRP	200L4	990	342
	6.2	33500	241	224800	-	69620	PHF	032KF97	DRP	200L4	870	343
	6.3	32700	236	197000	64200	51190	P	022KF107	DRP	200L4	1000	338
	7.4	27700	200	197000	64200	51190	PF	022KF107	DRP	200L4	900	339
	8.5	24200	175	197000	64200	51190	PH	022KF107	DRP	200L4	1020	338
							PHF	022KF107	DRP	200L4	920	339
	3.6	56700	408	182000	64200	51190	P	022KF97	DRP	200L4	890	336
	4.3	47400	342	196200	64200	51190	PF	022KF97	DRP	200L4	790	337
	4.4	46200	333	197000	64200	51190	PH	022KF97	DRP	200L4	900	336
	5.3	38700	279	197000	64200	51190	PHF	022KF97	DRP	200L4	800	337
	7.1	29000	209	197000	-	51190						
	8.5	24300	175	197000	64200	51190						
	5.3	38700	279	156000	46200	36810	P	012KF97	DRP	200L4	740	330
	6.2	33500	241	151600	46200	36810	PF	012KF97	DRP	200L4	670	331
	7.1	29000	209	145300	46200	36810	PH	012KF97	DRP	200L4	750	330
	8.5	24300	175	137800	46200	36810	PHF	012KF97	DRP	200L4	680	331
	7.3	28200	203	112300	29200	24830	P	002KF97	DRP	200L4	660	324
							PF	002KF97	DRP	200L4	600	325
							PH	002KF97	DRP	200L4	660	324
							PHF	002KF97	DRP	200L4	610	325
30	0.52	544400	2870	850000	631300	500000	P	102KF187	DRP	225S4	5920	376
	0.57	488300	2574	850000	631300	500000	PF	102KF187	DRP	225S4	4960	377
	0.66	423900	2235	850000	631300	500000	PH	102KF187	DRP	225S4	5980	376
	0.73	384600	2028	850000	631300	500000	PHF	102KF187	DRP	225S4	5020	377
	0.85	331300	1747	850000	631300	500000						
	1.0	278400	1468	850000	631300	500000						
	1.2	236800	1249	850000	631300	500000	P	102KF167	DRP	225S4	5290	374
	1.3	211300	1114	850000	631300	500000	PF	102KF167	DRP	225S4	4330	375
	1.6	180100	949	850000	631300	500000	PH	102KF167	DRP	225S4	5350	374
	1.9	149200	787	850000	631300	500000	PHF	102KF167	DRP	225S4	4390	375
	0.57	494800	2608	686500	513900	423000	P	092KF187	DRP	225S4	5060	372
	0.65	429600	2264	720000	513900	423000	PF	092KF187	DRP	225S4	4360	373
	0.72	389800	2054	720000	513900	423000	PH	092KF187	DRP	225S4	5080	372
	0.84	335700	1770	720000	513900	423000	PHF	092KF187	DRP	225S4	4380	373
	0.99	282200	1487	720000	513900	423000						
	0.62	452100	2383	720000	513900	423000	P	092KF167	DRP	225S4	4430	370
	1.4	197500	1041	720000	513900	423000	PF	092KF167	DRP	225S4	3740	371
	1.5	182500	962	720000	513900	423000	PH	092KF167	DRP	225S4	4440	370
	1.7	163600	863	720000	513900	423000	PHF	092KF167	DRP	225S4	3750	371
	1.9	151200	797	720000	513900	423000						
	2.3	123000	649	720000	513900	423000						
	2.6	109700	579	720000	513900	423000						
	0.73	386500	2038	629100	397100	359400	P	082KF157	DRP	225S4	3560	368
	0.84	333100	1756	676800	397100	359400	PF	082KF157	DRP	225S4	2910	369
	1.0	270700	1427	683000	397100	359400	PH	082KF157	DRP	225S4	3550	368
	1.3	222800	1175	683000	397100	359400	PHF	082KF157	DRP	225S4	2900	369
	1.4	196600	1037	683000	397100	359400						
	1.0	274700	1449	515900	274600	245660	P	072KF157	DRP	225S4	2900	366
							PF	072KF157	DRP	225S4	2410	367
							PH	072KF157	DRP	225S4	2960	366
							PHF	072KF157	DRP	225S4	2460	367
	1.1	261800	1381	523000	274600	245660	P	072KF127	DRP	225S4	2610	364
	1.2	226600	1195	523000	274600	245660	PF	072KF127	DRP	225S4	2120	365
	1.4	199900	1055	523000	274600	245660	PH	072KF127	DRP	225S4	2660	364
	1.6	172700	911	523000	274600	245660	PHF	072KF127	DRP	225S4	2170	365
	1.8	152700	806	523000	274600	245660						

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
30	**1.4**	206000	1086	422400	209100	185660	**P**	**062KF127**	**DRP**	**225S4**	2190	362
	1.6	177900	938	444400	209100	185660	**PF**	**062KF127**	**DRP**	**225S4**	1820	363
	1.8	157300	830	458400	209100	185660	**PH**	**062KF127**	**DRP**	**225S4**	2180	362
	2.1	132200	697	473000	209100	185660	**PHF**	**062KF127**	**DRP**	**225S4**	1810	363
	2.6	106800	563	473000	209100	185660						
	1.4	195800	1033	430800	209100	185660	**P**	**062KF107**	**DRP**	**225S4**	1990	360
	1.7	168300	887	451200	209100	185660	**PF**	**062KF107**	**DRP**	**225S4**	1630	361
	1.9	146900	774	464900	209100	185660	**PH**	**062KF107**	**DRP**	**225S4**	1980	360
							PHF	**062KF107**	**DRP**	**225S4**	1620	361
	2.6	106800	563	364000	140600	124060	**P**	**052KF127**	**DRP**	**225S4**	1700	358
	3.0	95100	502	364000	140600	124060	**PF**	**052KF127**	**DRP**	**225S4**	1500	359
	3.5	79900	421	364000	140600	124060	**PH**	**052KF127**	**DRP**	**225S4**	1700	358
							PHF	**052KF127**	**DRP**	**225S4**	1500	359
	2.2	124600	657	355900	140600	124060	**P**	**052KF107**	**DRP**	**225S4**	1510	356
	3.8	74000	390	364000	140600	124060	**PF**	**052KF107**	**DRP**	**225S4**	1310	357
							PH	**052KF107**	**DRP**	**225S4**	1500	356
							PHF	**052KF107**	**DRP**	**225S4**	1300	357
	3.5	79900	421	314100	111000	100170	**P**	**042KF127**	**DRP**	**225S4**	1560	352
	4.4	64500	341	308200	111000	100170	**PF**	**042KF127**	**DRP**	**225S4**	1370	353
							PH	**042KF127**	**DRP**	**225S4**	1560	352
							PHF	**042KF127**	**DRP**	**225S4**	1370	353
	2.6	108900	574	286200	111000	100170	**P**	**042KF107**	**DRP**	**225S4**	1360	350
	2.8	99900	527	295800	111000	100170	**PF**	**042KF107**	**DRP**	**225S4**	1170	351
	3.2	87200	460	307900	111000	100170	**PH**	**042KF107**	**DRP**	**225S4**	1370	350
	3.8	74000	390	318800	111000	100170	**PHF**	**042KF107**	**DRP**	**225S4**	1180	351
	4.3	64600	341	308400	111000	100170						
	2.7	103000	543	292600	111000	100170	**P**	**042KF97**	**DRP**	**225S4**	1250	348
							PF	**042KF97**	**DRP**	**225S4**	1060	349
							PH	**042KF97**	**DRP**	**225S4**	1250	348
							PHF	**042KF97**	**DRP**	**225S4**	1060	349
	5.1	54700	289	237400	86800	69620	**P**	**032KF127**	**DRP**	**225S4**	1310	346
	5.8	48700	257	229300	86800	69620	**PF**	**032KF127**	**DRP**	**225S4**	1190	347
							PH	**032KF127**	**DRP**	**225S4**	1330	346
							PHF	**032KF127**	**DRP**	**225S4**	1210	347
	3.8	74000	390	217300	86800	69620	**P**	**032KF107**	**DRP**	**225S4**	1120	344
	4.3	64600	341	229500	86800	69620	**PF**	**032KF107**	**DRP**	**225S4**	1000	345
	5.0	55800	294	238800	86800	69620	**PH**	**032KF107**	**DRP**	**225S4**	1140	344
	5.5	51200	270	232800	-	69620	**PHF**	**032KF107**	**DRP**	**225S4**	1020	345
	6.3	44700	236	223400	-	69620						
	5.3	52800	279	235000	-	69620	**P**	**032KF97**	**DRP**	**225S4**	1000	342
	6.1	45700	241	224900	-	69620	**PF**	**032KF97**	**DRP**	**225S4**	880	343
	8.4	33200	175	204400	86800	52400	**PH**	**032KF97**	**DRP**	**225S4**	1020	342
							PHF	**032KF97**	**DRP**	**225S4**	900	343
	6.3	44700	236	197000	64200	51190	**P**	**022KF107**	**DRP**	**225S4**	1040	338
	7.4	37900	200	197000	64200	51190	**PF**	**022KF107**	**DRP**	**225S4**	930	339
	8.5	33100	175	197000	64200	51190	**PH**	**022KF107**	**DRP**	**225S4**	1050	338
							PHF	**022KF107**	**DRP**	**225S4**	950	339
	4.4	63100	333	170300	64200	51190	**P**	**022KF97**	**DRP**	**225S4**	920	336
	5.3	52800	279	188300	64200	51190	**PF**	**022KF97**	**DRP**	**225S4**	820	337
	6.1	45700	241	197000	64200	51190	**PH**	**022KF97**	**DRP**	**225S4**	940	336
	8.4	33200	175	197000	64200	51190	**PHF**	**022KF97**	**DRP**	**225S4**	840	337
	8.5	33100	175	137700	46200	36810	**P**	**012KF107**	**DRP**	**225S4**	890	332
							PF	**012KF107**	**DRP**	**225S4**	820	333
							PH	**012KF107**	**DRP**	**225S4**	900	332
							PHF	**012KF107**	**DRP**	**225S4**	830	333
	6.1	45700	241	151700	46200	36810	**P**	**012KF97**	**DRP**	**225S4**	770	330
	7.1	39700	209	145400	46200	36810	**PF**	**012KF97**	**DRP**	**225S4**	700	331
	8.4	33200	175	137800	46200	36810	**PH**	**012KF97**	**DRP**	**225S4**	790	330
							PHF	**012KF97**	**DRP**	**225S4**	720	331

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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
37	**0.58**	601400	2574	811600	631300	500000	**P**	**102KF187**	**DRP**	**225M4**		5940	376
	0.66	522200	2235	850000	631300	500000	**PF**	**102KF187**	**DRP**	**225M4**		4980	377
	0.73	473800	2028	850000	631300	500000	**PH**	**102KF187**	**DRP**	**225M4**		6000	376
	0.85	408100	1747	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**225M4**		5040	377
	1.0	343000	1468	850000	631300	500000							
	1.2	296900	1271	850000	631300	500000							
	0.56	615900	2636	800200	631300	500000	**P**	**102KF167**	**DRP**	**225M4**		5310	374
	0.63	549500	2352	849700	631300	500000	**PF**	**102KF167**	**DRP**	**225M4**		4350	375
	1.6	221800	949	850000	631300	500000	**PH**	**102KF167**	**DRP**	**225M4**		5370	374
	1.9	183800	787	850000	631300	500000	**PHF**	**102KF167**	**DRP**	**225M4**		4410	375
	2.2	156800	671	850000	631300	500000							
	0.65	529100	2264	647100	513900	423000	**P**	**092KF187**	**DRP**	**225M4**		5080	372
	0.72	480100	2054	702000	513900	423000	**PF**	**092KF187**	**DRP**	**225M4**		4390	373
	0.84	413500	1770	720000	513900	423000	**PH**	**092KF187**	**DRP**	**225M4**		5100	372
	1.0	347500	1487	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**225M4**		4400	373
	1.2	300900	1288	720000	513900	423000							
	1.4	250700	1073	720000	513900	423000							
	1.6	213800	915	720000	513900	423000							
	0.73	474600	2031	707700	513900	423000	**P**	**092KF167**	**DRP**	**225M4**		4450	370
	1.7	201500	863	720000	513900	423000	**PF**	**092KF167**	**DRP**	**225M4**		3760	371
	1.9	186200	797	720000	513900	423000	**PH**	**092KF167**	**DRP**	**225M4**		4470	370
	2.0	172000	736	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**225M4**		3770	371
	2.2	158900	680	720000	513900	423000							
	2.3	151500	649	720000	513900	423000							
	2.6	135200	579	720000	513900	423000							
	3.0	115200	493	720000	513900	423000							
	0.84	410300	1756	604800	397100	359400	**P**	**082KF157**	**DRP**	**225M4**		3580	368
	1.0	333400	1427	676600	397100	359400	**PF**	**082KF157**	**DRP**	**225M4**		2930	369
	1.3	274500	1175	683000	397100	359400	**PH**	**082KF157**	**DRP**	**225M4**		3570	368
	1.4	242200	1037	683000	397100	359400	**PHF**	**082KF157**	**DRP**	**225M4**		2920	369
	1.6	210000	899	683000	397100	359400							
	1.2	279100	1195	511000	274600	245660	**P**	**072KF127**	**DRP**	**225M4**		2630	364
	1.4	246300	1055	523000	274600	245660	**PF**	**072KF127**	**DRP**	**225M4**		2140	365
	1.6	212700	911	523000	274600	245660	**PH**	**072KF127**	**DRP**	**225M4**		2680	364
	1.8	188100	806	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**225M4**		2190	365
	2.2	158100	677	523000	274600	245660							
	1.8	193800	830	432400	209100	185660	**P**	**062KF127**	**DRP**	**225M4**		2210	362
	2.1	162800	697	454800	209100	185660	**PF**	**062KF127**	**DRP**	**225M4**		1840	363
	2.6	131500	563	473000	209100	185660	**PH**	**062KF127**	**DRP**	**225M4**		2200	362
	3.0	117100	502	473000	209100	185660	**PHF**	**062KF127**	**DRP**	**225M4**		1830	363
	3.5	98400	421	473000	209100	185660							
	1.7	207300	887	421300	209100	185660	**P**	**062KF107**	**DRP**	**225M4**		2010	360
							PF	**062KF107**	**DRP**	**225M4**		1650	361
							PH	**062KF107**	**DRP**	**225M4**		2000	360
							PHF	**062KF107**	**DRP**	**225M4**		1640	361
	2.6	131500	563	350000	140600	124060	**P**	**052KF127**	**DRP**	**225M4**		1720	358
	3.0	117100	502	361800	140600	124060	**PF**	**052KF127**	**DRP**	**225M4**		1520	359
	3.5	98400	421	364000	140600	124060	**PH**	**052KF127**	**DRP**	**225M4**		1720	358
	4.4	79500	341	355400	140600	124060	**PHF**	**052KF127**	**DRP**	**225M4**		1520	359
	3.8	91100	390	364000	140600	124060	**P**	**052KF107**	**DRP**	**225M4**		1530	356
	4.4	79600	341	355400	140600	124060	**PF**	**052KF107**	**DRP**	**225M4**		1330	357
							PH	**052KF107**	**DRP**	**225M4**		1520	356
							PHF	**052KF107**	**DRP**	**225M4**		1320	357
	2.7	126900	543	353900	140600	124060	**P**	**052KF97**	**DRP**	**225M4**		1420	354
							PF	**052KF97**	**DRP**	**225M4**		1220	355
							PH	**052KF97**	**DRP**	**225M4**		1410	354
							PHF	**052KF97**	**DRP**	**225M4**		1210	355
	3.5	98400	421	297300	111000	100170	**P**	**042KF127**	**DRP**	**225M4**		1580	352
	4.4	79500	341	308200	111000	100170	**PF**	**042KF127**	**DRP**	**225M4**		1390	353
							PH	**042KF127**	**DRP**	**225M4**		1580	352
							PHF	**042KF127**	**DRP**	**225M4**		1390	353

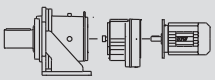
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [N] 1)	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
37	3.2	107400	460	287800	111000	100170	P	042KF107	DRP	225M4	1380	350
	3.8	91100	390	304400	111000	100170	PF	042KF107	DRP	225M4	1190	351
	4.4	79600	341	308200	111000	100170	PH	042KF107	DRP	225M4	1390	350
							PHF	042KF107	DRP	225M4	1200	351
	5.1	67400	289	226100	86800	69620	P	032KF127	DRP	225M4	1330	346
	5.8	60000	257	229300	86800	69620	PF	032KF127	DRP	225M4	1210	347
							PH	032KF127	DRP	225M4	1350	346
							PHF	032KF127	DRP	225M4	1230	347
	4.4	79600	341	209000	86800	69620	P	032KF107	DRP	225M4	1140	344
	5.0	68700	294	224400	86800	69620	PF	032KF107	DRP	225M4	1020	345
	7.4	46700	200	212600	-	69620	PH	032KF107	DRP	225M4	1160	344
	8.5	40800	175	204200	86800	69620	PHF	032KF107	DRP	225M4	1040	345
	6.3	55000	236	184700	64200	51190	P	022KF107	DRP	225M4	1060	338
	7.4	46700	200	197000	64200	51190	PF	022KF107	DRP	225M4	960	339
	8.5	40800	175	197000	64200	51190	PH	022KF107	DRP	225M4	1070	338
							PHF	022KF107	DRP	225M4	970	339
	6.2	56300	241	182700	64200	51190	P	022KF97	DRP	225M4	940	336
							PF	022KF97	DRP	225M4	840	337
							PH	022KF97	DRP	225M4	960	336
							PHF	022KF97	DRP	225M4	860	337
	8.5	40800	175	137700	46200	36810	P	012KF107	DRP	225M4	910	332
							PF	012KF107	DRP	225M4	840	333
							PH	012KF107	DRP	225M4	920	332
							PHF	012KF107	DRP	225M4	850	333
	8.5	40900	175	137800	46200	36810	P	012KF97	DRP	225M4	800	330
							PF	012KF97	DRP	225M4	730	331
							PH	012KF97	DRP	225M4	810	330
							PHF	012KF97	DRP	225M4	740	331
45	0.73	576300	2028	830600	631300	500000	P	102KF187	DRP	250M4	6070	376
	0.85	496400	1747	850000	631300	500000	PF	102KF187	DRP	250M4	5120	377
	1.0	417200	1468	850000	631300	500000	PH	102KF187	DRP	250M4	6130	376
	1.2	361200	1271	850000	631300	500000	PHF	102KF187	DRP	250M4	5180	377
	1.4	301000	1059	850000	631300	500000						
	1.6	256600	903	850000	631300	500000						
	0.74	569600	2005	835400	631300	500000	P	102KF167	DRP	250M4	5440	374
	1.9	223500	787	850000	631300	500000	PF	102KF167	DRP	250M4	4490	375
	2.2	190800	671	850000	631300	500000	PH	102KF167	DRP	250M4	5500	374
							PHF	102KF167	DRP	250M4	4550	375
	0.84	502900	1770	677500	513900	423000	P	092KF187	DRP	250M4	5220	372
	1.0	422700	1487	720000	513900	423000	PF	092KF187	DRP	250M4	4520	373
	1.2	365900	1288	720000	513900	423000	PH	092KF187	DRP	250M4	5230	372
	1.4	304900	1073	720000	513900	423000	PHF	092KF187	DRP	250M4	4530	373
	1.6	260000	915	720000	513900	423000						
	1.9	220400	776	720000	513900	423000						
	0.84	502100	1767	678400	513900	423000	P	092KF167	DRP	250M4	4590	370
	0.88	478200	1683	704000	513900	423000	PF	092KF167	DRP	250M4	3890	371
	2.2	193300	680	720000	513900	423000	PH	092KF167	DRP	250M4	4600	370
	2.3	184200	649	720000	513900	423000	PHF	092KF167	DRP	250M4	3900	371
	2.6	164400	579	720000	513900	423000						
	3.0	140100	493	720000	513900	423000						
	3.6	116100	409	720000	513900	423000						
	1.3	333900	1175	676300	397100	359400	P	082KF157	DRP	250M4	3720	368
	1.4	294600	1037	683000	397100	359400	PF	082KF157	DRP	250M4	3070	369
	1.6	255400	899	683000	397100	359400	PH	082KF157	DRP	250M4	3710	368
	1.8	227200	800	683000	397100	359400	PHF	082KF157	DRP	250M4	3060	369
	2.2	195900	689	683000	397100	359400						
	2.6	161500	568	523000	274600	245660	P	072KF157	DRP	250M4	3060	366
	3.1	137000	482	523000	274600	245660	PF	072KF157	DRP	250M4	2570	367
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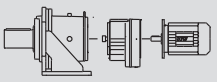
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P_m	n_2	M_a	i_{ex}	F_{Ra} [1]	M_{N2}							m	
					f_{LC}<=7.5	f_{LC}>107.5							
[kW]	[min^{-1}]	[Nm]		[N]	[Nm]	[Nm]						[kg]	
45	**1.6**	258700	911	523000	274600	245660	**P**	**072KF127**	**DRP**	**250M4**		2770	364
	1.8	228800	806	523000	274600	245660	**PF**	**072KF127**	**DRP**	**250M4**		2270	365
	2.2	192300	677	523000	274600	245660	**PH**	**072KF127**	**DRP**	**250M4**		2820	364
	2.7	155300	547	523000	274600	245660	**PHF**	**072KF127**	**DRP**	**250M4**		2330	365
	3.0	138300	487	523000	-	245660							
	3.6	116300	409	523000	-	245660							
	2.1	198000	697	429000	209100	185660	**P**	**062KF127**	**DRP**	**250M4**		2340	362
	2.6	159900	563	456700	209100	185660	**PF**	**062KF127**	**DRP**	**250M4**		1980	363
	3.0	142500	502	467600	209100	185660	**PH**	**062KF127**	**DRP**	**250M4**		2330	362
	3.5	119700	421	473000	209100	185660	**PHF**	**062KF127**	**DRP**	**250M4**		1970	363
	4.4	96700	341	444300	209100	185660							
	3.0	142500	502	340100	140600	124060	**P**	**052KF127**	**DRP**	**250M4**		1860	358
	3.5	119700	421	359800	140600	124060	**PF**	**052KF127**	**DRP**	**250M4**		1660	359
	4.4	96700	341	355400	140600	124060	**PH**	**052KF127**	**DRP**	**250M4**		1850	358
							PHF	**052KF127**	**DRP**	**250M4**		1650	359
	4.4	96700	341	299000	111000	100170	**P**	**042KF127**	**DRP**	**250M4**		1710	352
	5.1	82000	289	293100	111000	100170	**PF**	**042KF127**	**DRP**	**250M4**		1520	353
	5.8	73000	257	283100	111000	100170	**PH**	**042KF127**	**DRP**	**250M4**		1720	352
							PHF	**042KF127**	**DRP**	**250M4**		1530	353
	5.1	82000	289	205300	86800	69620	**P**	**032KF127**	**DRP**	**250M4**		1470	346
	5.8	73000	257	218600	86800	69620	**PF**	**032KF127**	**DRP**	**250M4**		1350	347
	6.9	61300	216	217600	86800	69620	**PH**	**032KF127**	**DRP**	**250M4**		1490	346
	8.5	49500	175	204100	86800	69620	**PHF**	**032KF127**	**DRP**	**250M4**		1370	347
55	**0.85**	604700	1747	809100	631300	500000	**P**	**102KF187**	**DRP**	**280S4**		6150	376
	1.0	508200	1468	850000	631300	500000	**PF**	**102KF187**	**DRP**	**280S4**		5190	377
	1.2	440000	1271	850000	631300	500000	**PH**	**102KF187**	**DRP**	**280S4**		6210	376
	1.4	366600	1059	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**280S4**		5250	377
	1.6	312600	903	850000	631300	500000							
	1.9	265000	766	850000	631300	500000							
	0.90	574900	1661	831500	631300	500000	**P**	**102KF167**	**DRP**	**280S4**		5520	374
	2.2	232400	671	850000	631300	500000	**PF**	**102KF167**	**DRP**	**280S4**		4560	375
							PH	**102KF167**	**DRP**	**280S4**		5580	374
							PHF	**102KF167**	**DRP**	**280S4**		4620	375
	1.0	514900	1487	664000	513900	423000	**P**	**092KF187**	**DRP**	**280S4**		5290	372
	1.2	445800	1288	720000	513900	423000	**PF**	**092KF187**	**DRP**	**280S4**		4600	373
	1.4	371500	1073	720000	513900	423000	**PH**	**092KF187**	**DRP**	**280S4**		5310	372
	1.6	316700	915	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**280S4**		4610	373
	1.9	268500	776	720000	513900	423000							
	2.2	231300	668	720000	513900	423000							
	1.0	497100	1436	683900	513900	423000	**P**	**092KF167**	**DRP**	**280S4**		4660	370
	1.2	437900	1265	720000	513900	423000	**PF**	**092KF167**	**DRP**	**280S4**		3970	371
	2.6	200200	579	720000	513900	423000	**PH**	**092KF167**	**DRP**	**280S4**		4680	370
	3.0	170700	493	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**280S4**		3980	371
	3.6	141400	409	720000	513900	423000							
	4.3	120700	349	720000	513900	423000							
	1.3	406700	1175	608600	397100	359400	**P**	**082KF157**	**DRP**	**280S4**		3790	368
	1.4	358900	1037	654900	397100	359400	**PF**	**082KF157**	**DRP**	**280S4**		3140	369
	1.6	311100	899	683000	397100	359400	**PH**	**082KF157**	**DRP**	**280S4**		3780	368
	1.9	276800	800	683000	397100	359400	**PHF**	**082KF157**	**DRP**	**280S4**		3130	369
	2.2	238600	689	683000	397100	359400							
	2.6	196700	568	523000	274600	245660	**P**	**072KF157**	**DRP**	**280S4**		3130	366
	3.1	166800	482	523000	274600	245660	**PF**	**072KF157**	**DRP**	**280S4**		2640	367
							PH	**072KF157**	**DRP**	**280S4**		3190	366
							PHF	**072KF157**	**DRP**	**280S4**		2700	367
	1.8	278700	806	511400	274600	245660	**P**	**072KF127**	**DRP**	**280S4**		2840	364
	2.2	234200	677	523000	274600	245660	**PF**	**072KF127**	**DRP**	**280S4**		2350	365
	3.0	168500	487	523000	-	245660	**PH**	**072KF127**	**DRP**	**280S4**		2890	364
	3.6	141600	409	523000	-	245660	**PHF**	**072KF127**	**DRP**	**280S4**		2400	365

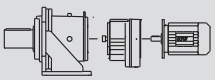
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
55	**2.6**	194800	563	431500	209100	185660	**P**	**062KF127**	**DRP**	**280S4**	2420	362
	3.0	173600	502	447500	209100	185660	**PF**	**062KF127**	**DRP**	**280S4**	2050	363
	3.5	145800	421	465600	209100	185660	**PH**	**062KF127**	**DRP**	**280S4**	2410	362
	4.4	117800	341	443600	209100	185660	**PHF**	**062KF127**	**DRP**	**280S4**	2040	363
	4.4	117800	341	354900	140600	124060	**P**	**052KF127**	**DRP**	**280S4**	1930	358
	5.2	99900	289	337800	140600	124060	**PF**	**052KF127**	**DRP**	**280S4**	1730	359
							PH	**052KF127**	**DRP**	**280S4**	1930	358
							PHF	**052KF127**	**DRP**	**280S4**	1730	359
	5.8	88900	257	283000	111000	100170	**P**	**042KF127**	**DRP**	**280S4**	1790	352
	6.9	74700	216	268600	111000	100170	**PF**	**042KF127**	**DRP**	**280S4**	1600	353
	8.5	60400	175	251900	111000	100170	**PH**	**042KF127**	**DRP**	**280S4**	1790	352
							PHF	**042KF127**	**DRP**	**280S4**	1600	353
	6.9	74700	216	216200	86800	69620	**P**	**032KF127**	**DRP**	**280S4**	1540	346
	8.5	60400	175	203900	86800	69620	**PF**	**032KF127**	**DRP**	**280S4**	1420	347
							PH	**032KF127**	**DRP**	**280S4**	1560	346
							PHF	**032KF127**	**DRP**	**280S4**	1440	347
75	**1.2**	603600	1271	809900	631300	500000	**P**	**102KF187**	**DRP**	**280M4**	6150	376
	1.4	503000	1059	850000	631300	500000	**PF**	**102KF187**	**DRP**	**280M4**	5190	377
	1.6	428900	903	850000	631300	500000	**PH**	**102KF187**	**DRP**	**280M4**	6210	376
	1.9	363600	766	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**280M4**	5250	377
	2.2	313200	660	850000	631300	500000						
	2.7	263200	554	850000	631300	500000						
	1.2	593000	1249	818100	631300	500000	**P**	**102KF167**	**DRP**	**280M4**	5520	374
	1.3	529000	1114	850000	631300	500000	**PF**	**102KF167**	**DRP**	**280M4**	4560	375
							PH	**102KF167**	**DRP**	**280M4**	5580	374
							PHF	**102KF167**	**DRP**	**280M4**	4620	375
	1.4	509600	1073	670000	513900	423000	**P**	**092KF187**	**DRP**	**280M4**	5290	372
	1.6	434500	915	720000	513900	423000	**PF**	**092KF187**	**DRP**	**280M4**	4600	373
	1.9	368400	776	720000	513900	423000	**PH**	**092KF187**	**DRP**	**280M4**	5310	372
	2.2	317300	668	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**280M4**	4610	373
	2.6	266700	561	720000	513900	423000						
	3.0	230900	486	720000	513900	423000						
	1.4	494400	1041	686800	513900	423000	**P**	**092KF167**	**DRP**	**280M4**	4660	370
	1.5	456900	962	720000	513900	423000	**PF**	**092KF167**	**DRP**	**280M4**	3970	371
	3.6	194000	409	720000	513900	423000	**PH**	**092KF167**	**DRP**	**280M4**	4680	370
	4.2	165600	349	720000	513900	423000	**PHF**	**092KF167**	**DRP**	**280M4**	3980	371
	1.8	379800	800	635600	397100	359400	**P**	**082KF157**	**DRP**	**280M4**	3790	368
	2.1	327300	689	680600	397100	359400	**PF**	**082KF157**	**DRP**	**280M4**	3140	369
							PH	**082KF157**	**DRP**	**280M4**	3780	368
							PHF	**082KF157**	**DRP**	**280M4**	3130	369
	2.6	269900	568	521100	274600	245660	**P**	**072KF157**	**DRP**	**280M4**	3130	366
	3.1	228900	482	523000	274600	245660	**PF**	**072KF157**	**DRP**	**280M4**	2640	367
	3.5	202800	429	523000	274600	245660	**PH**	**072KF157**	**DRP**	**280M4**	3190	366
	4.0	174800	369	523000	274600	245660	**PHF**	**072KF157**	**DRP**	**280M4**	2700	367
	4.9	142000	300	495200	274600	245660						
	5.8	120400	254	471200	274600	245660						
	2.7	259600	547	523000	274600	245660	**P**	**072KF127**	**DRP**	**280M4**	2840	364
							PF	**072KF127**	**DRP**	**280M4**	2350	365
							PH	**072KF127**	**DRP**	**280M4**	2890	364
							PHF	**072KF127**	**DRP**	**280M4**	2400	365
	3.5	200100	421	427300	209100	185660	**P**	**062KF127**	**DRP**	**280M4**	2420	362
	4.3	161600	341	444600	209100	185660	**PF**	**062KF127**	**DRP**	**280M4**	2050	363
							PH	**062KF127**	**DRP**	**280M4**	2410	362
							PHF	**062KF127**	**DRP**	**280M4**	2040	363
	5.1	137000	289	338400	140600	124060	**P**	**052KF127**	**DRP**	**280M4**	1930	358
	8.5	82800	175	291000	140600	124060	**PF**	**052KF127**	**DRP**	**280M4**	1730	359
							PH	**052KF127**	**DRP**	**280M4**	1930	358
							PHF	**052KF127**	**DRP**	**280M4**	1730	359

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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]				m [kg]	
75	**6.8**	102600	216	269000	111000	100170	**P**	**042KF127**	**DRP**	**280M4**	1790	352
	8.5	82800	175	252300	111000	100170	**PF**	**042KF127**	**DRP**	**280M4**	1600	353
							PH	**042KF127**	**DRP**	**280M4**	1790	352
							PHF	**042KF127**	**DRP**	**280M4**	1600	353
	8.5	82800	175	203900	86800	69620	**P**	**032KF127**	**DRP**	**280M4**	1540	346
							PF	**032KF127**	**DRP**	**280M4**	1420	347
							PH	**032KF127**	**DRP**	**280M4**	1560	346
							PHF	**032KF127**	**DRP**	**280M4**	1440	347
90	**1.4**	601100	1059	811800	631300	500000	**P**	**102KF187**	**DRP**	**315K4**	6440	376
	1.6	512500	903	850000	631300	500000	**PF**	**102KF187**	**DRP**	**315K4**	5490	377
	1.9	434500	766	850000	631300	500000	**PH**	**102KF187**	**DRP**	**315K4**	6510	376
	2.2	374300	660	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**315K4**	5550	377
	2.7	314500	554	850000	631300	500000						
	3.1	272300	480	850000	631300	500000						
	1.6	538900	949	850000	631300	500000	**P**	**102KF167**	**DRP**	**315K4**	5820	374
							PF	**102KF167**	**DRP**	**315K4**	4860	375
							PH	**102KF167**	**DRP**	**315K4**	5880	374
							PHF	**102KF167**	**DRP**	**315K4**	4920	375
	1.6	519400	915	658700	513900	423000	**P**	**092KF187**	**DRP**	**315K4**	5590	372
	1.9	440300	776	720000	513900	423000	**PF**	**092KF187**	**DRP**	**315K4**	4890	373
	2.2	379300	668	720000	513900	423000	**PH**	**092KF187**	**DRP**	**315K4**	5600	372
	2.6	318700	561	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**315K4**	4910	373
	3.0	276000	486	720000	513900	423000						
	3.7	230000	405	720000	513900	423000						
	1.7	489600	863	692000	513900	423000	**P**	**092KF167**	**DRP**	**315K4**	4960	370
	1.9	452500	797	720000	513900	423000	**PF**	**092KF167**	**DRP**	**315K4**	4260	371
	4.3	197900	349	720000	513900	423000	**PH**	**092KF167**	**DRP**	**315K4**	4970	370
							PHF	**092KF167**	**DRP**	**315K4**	4280	371
	2.2	391200	689	624400	397100	359400	**P**	**082KF157**	**DRP**	**315K4**	4090	368
							PF	**082KF157**	**DRP**	**315K4**	3440	369
							PH	**082KF157**	**DRP**	**315K4**	4080	368
							PHF	**082KF157**	**DRP**	**315K4**	3430	369
	3.1	273600	482	517200	274600	245660	**P**	**072KF157**	**DRP**	**315K4**	3430	366
							PF	**072KF157**	**DRP**	**315K4**	2940	367
							PH	**072KF157**	**DRP**	**315K4**	3480	366
							PHF	**072KF157**	**DRP**	**315K4**	2990	367
110	**1.6**	625600	903	792400	631300	500000	**P**	**102KF187**	**DRP**	**315S4**	6520	376
	1.9	530300	766	850000	631300	500000	**PF**	**102KF187**	**DRP**	**315S4**	5570	377
	2.2	456800	660	850000	631300	500000	**PH**	**102KF187**	**DRP**	**315S4**	6590	376
	2.7	383900	554	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**315S4**	5630	377
	3.1	332400	480	850000	631300	500000						
	3.7	277000	400	850000	631300	500000						
	1.9	545000	787	850000	631300	500000	**P**	**102KF167**	**DRP**	**315S4**	5900	374
							PF	**102KF167**	**DRP**	**315S4**	4940	375
							PH	**102KF167**	**DRP**	**315S4**	5960	374
							PHF	**102KF167**	**DRP**	**315S4**	5000	375
	2.2	462900	668	719300	513900	423000	**P**	**092KF187**	**DRP**	**315S4**	5670	372
	2.6	389000	561	720000	513900	423000	**PF**	**092KF187**	**DRP**	**315S4**	4970	373
	3.1	336800	486	720000	513900	423000	**PH**	**092KF187**	**DRP**	**315S4**	5680	372
	3.7	280700	405	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**315S4**	4990	373
	4.3	239300	345	720000	513900	423000						
	2.0	510100	736	669500	513900	423000	**P**	**092KF167**	**DRP**	**315S4**	5040	370
	2.2	471300	680	710900	513900	423000	**PF**	**092KF167**	**DRP**	**315S4**	4340	371
	2.3	449300	649	720000	513900	423000	**PH**	**092KF167**	**DRP**	**315S4**	5050	370
							PHF	**092KF167**	**DRP**	**315S4**	4360	371
	4.0	255000	369	523000	274600	245660	**P**	**072KF157**	**DRP**	**315S4**	3510	366
							PF	**072KF157**	**DRP**	**315S4**	3020	367
							PH	**072KF157**	**DRP**	**315S4**	3560	366
							PHF	**072KF157**	**DRP**	**315S4**	3070	367

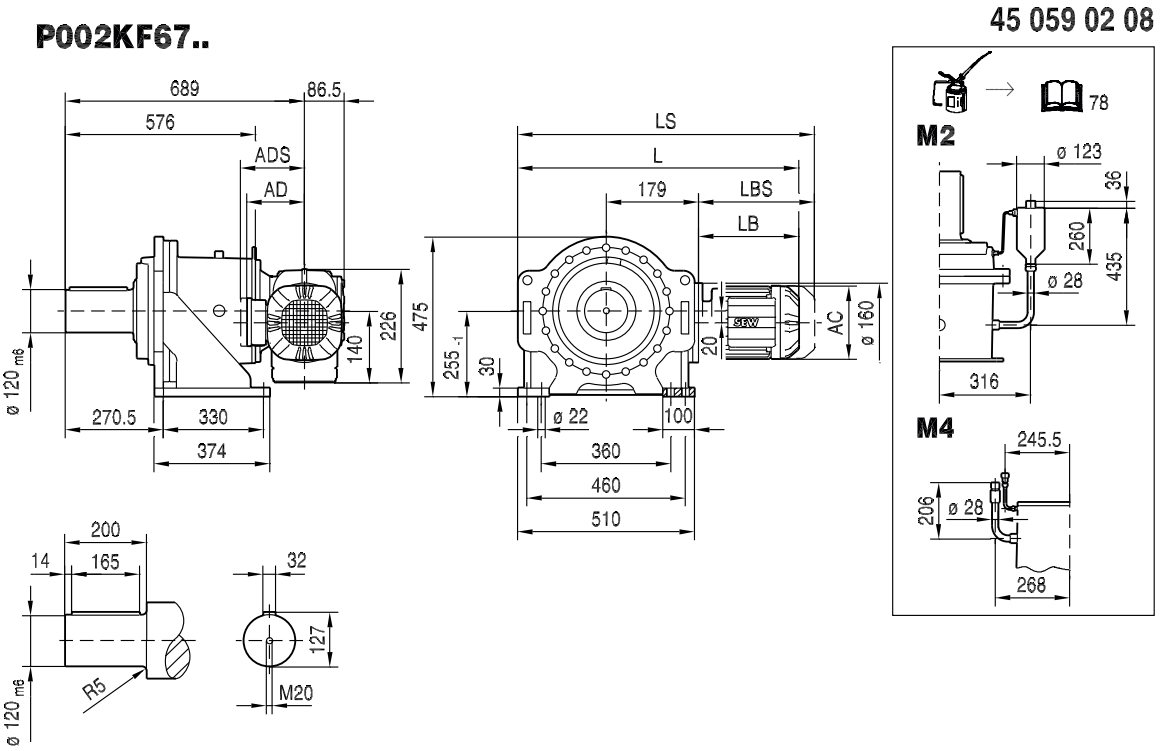
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P_m [kW]	n_2 [min^{-1}]	M_a [Nm]	i_{ex}	F_{Ra} [1)] [N]	M_{N2} f_{LC}<=7.5 [Nm]	M_{N2} f_{LC}>107.5 [Nm]					m [kg]	
132	**2.3**	547500	660	850000	631300	500000	**P**	**102KF187**	**DRP**	**315M4**	6680	376
	2.7	460100	554	850000	631300	500000	**PF**	**102KF187**	**DRP**	**315M4**	5730	377
	3.1	398400	480	850000	631300	500000	**PH**	**102KF187**	**DRP**	**315M4**	6740	376
	3.7	332000	400	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**315M4**	5790	377
	4.4	283000	341	850000	631300	500000						
	2.2	557400	671	844100	631300	500000	**P**	**102KF167**	**DRP**	**315M4**	6050	374
							PF	**102KF167**	**DRP**	**315M4**	5100	375
							PH	**102KF167**	**DRP**	**315M4**	6120	374
							PHF	**102KF167**	**DRP**	**315M4**	5160	375
	2.6	466200	561	716100	513900	423000	**P**	**092KF187**	**DRP**	**315M4**	5830	372
	3.1	403700	486	720000	513900	423000	**PF**	**092KF187**	**DRP**	**315M4**	5130	373
	3.7	336400	405	720000	513900	423000	**PH**	**092KF187**	**DRP**	**315M4**	5840	372
	4.3	286800	345	720000	513900	423000	**PHF**	**092KF187**	**DRP**	**315M4**	5140	373
	5.0	248300	300	494300	274600	245660	**P**	**072KF157**	**DRP**	**315M4**	3670	366
							PF	**072KF157**	**DRP**	**315M4**	3180	367
							PH	**072KF157**	**DRP**	**315M4**	3720	366
							PHF	**072KF157**	**DRP**	**315M4**	3230	367
160	**2.7**	557700	554	843900	631300	500000	**P**	**102KF187**	**DRP**	**315L4**	6760	376
	3.1	482900	480	850000	631300	500000	**PF**	**102KF187**	**DRP**	**315L4**	5810	377
	3.7	402400	400	850000	631300	500000	**PH**	**102KF187**	**DRP**	**315L4**	6820	376
	4.4	343100	341	850000	631300	500000	**PHF**	**102KF187**	**DRP**	**315L4**	5870	377
	3.1	489300	486	692300	513900	423000	**P**	**092KF187**	**DRP**	**315L4**	5910	372
	3.7	407700	405	720000	513900	423000	**PF**	**092KF187**	**DRP**	**315L4**	5210	373
	4.3	347600	345	720000	513900	423000	**PH**	**092KF187**	**DRP**	**315L4**	5920	372
							PHF	**092KF187**	**DRP**	**315L4**	5220	373
	3.0	496300	493	684800	513900	423000	**P**	**092KF167**	**DRP**	**315L4**	5280	370
							PF	**092KF167**	**DRP**	**315L4**	4580	371
							PH	**092KF167**	**DRP**	**315L4**	5290	370
							PHF	**092KF167**	**DRP**	**315L4**	4600	371
	5.9	255200	254	470300	274600	245660	**P**	**072KF157**	**DRP**	**315L4**	3750	366
							PF	**072KF157**	**DRP**	**315L4**	3260	367
							PH	**072KF157**	**DRP**	**315L4**	3800	366
							PHF	**072KF157**	**DRP**	**315L4**	3310	367

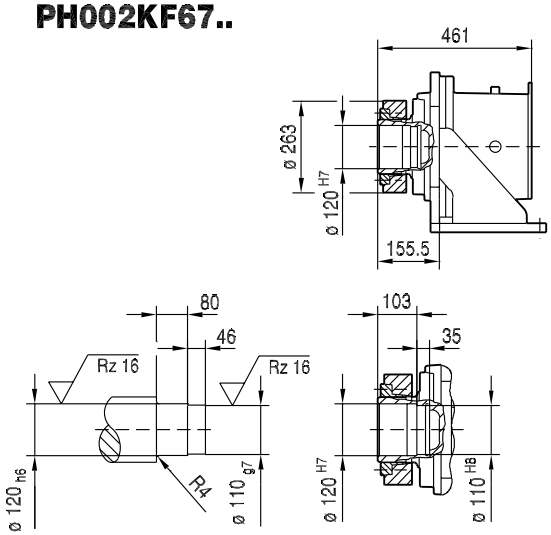
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11.5 Dimension sheets [mm]

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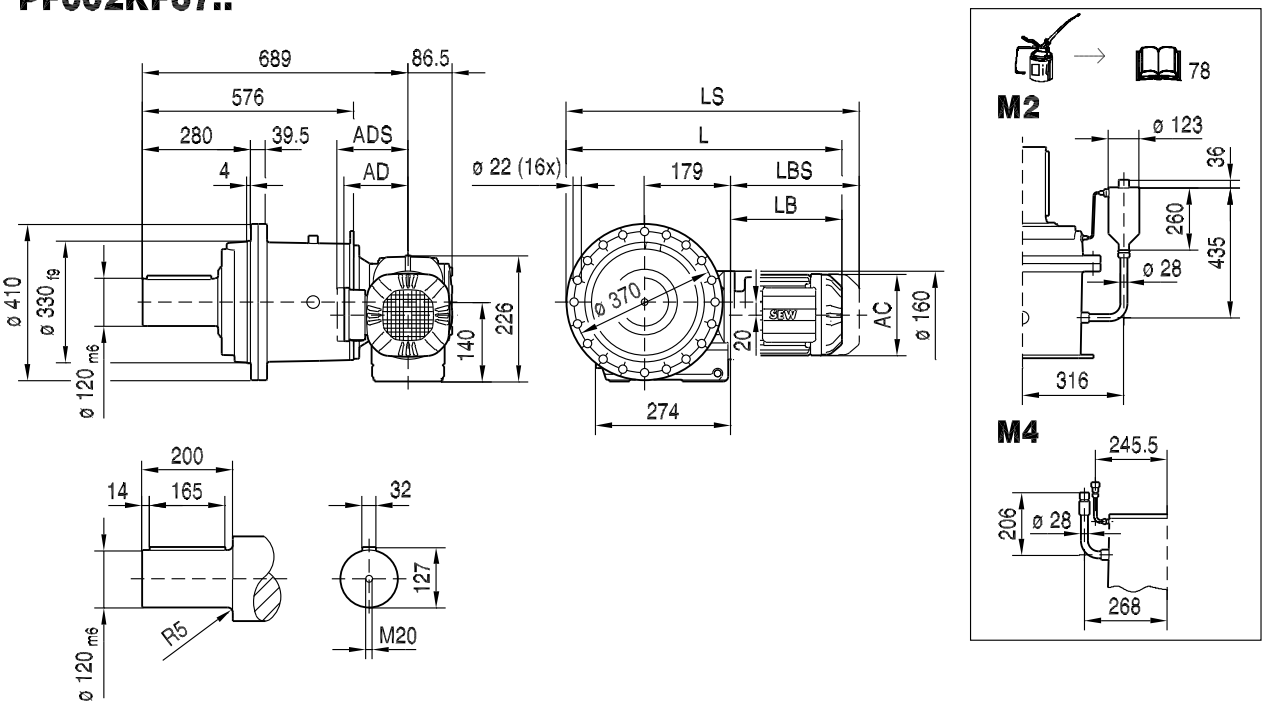


(→ 📄 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC
AC	156	156	179	179	197	197	221	221	221
AD	128	128	140	140	157	157	170	170	170
ADS	139	139	150	150	158	158	172	172	172
L	664	695	697	717	747	777	789	824	874
LS	745	776	790	810	840	870	901	936	986
LB	230	261	263	283	313	343	355	390	440
LBS	311	342	356	376	406	436	467	502	552

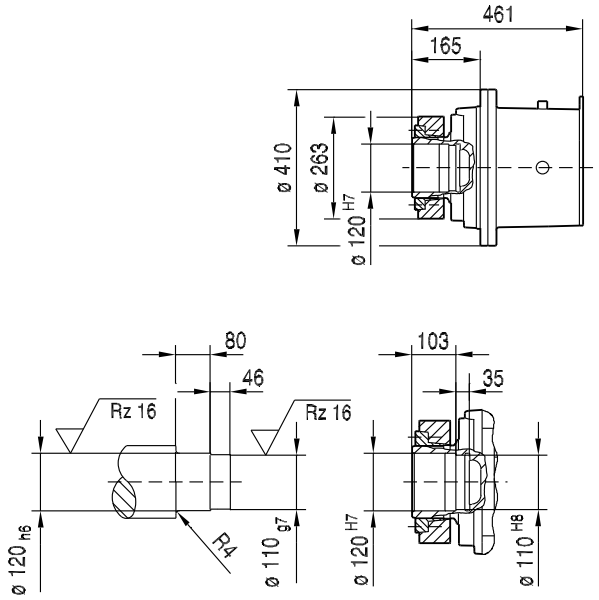
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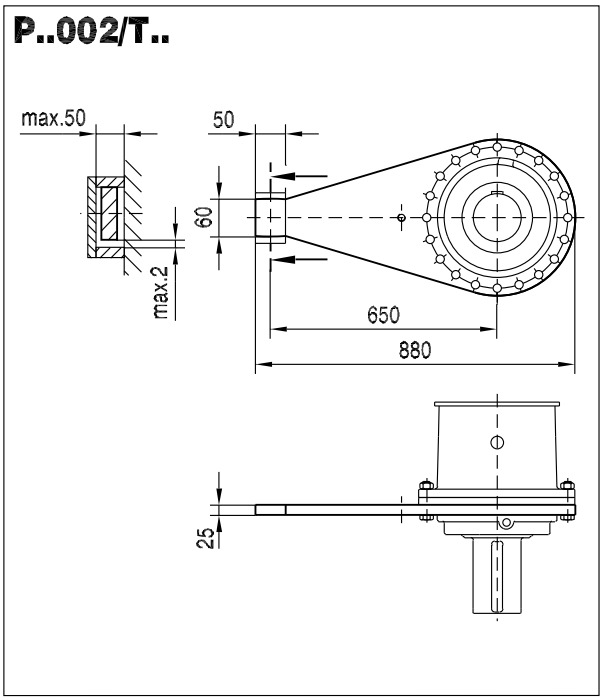
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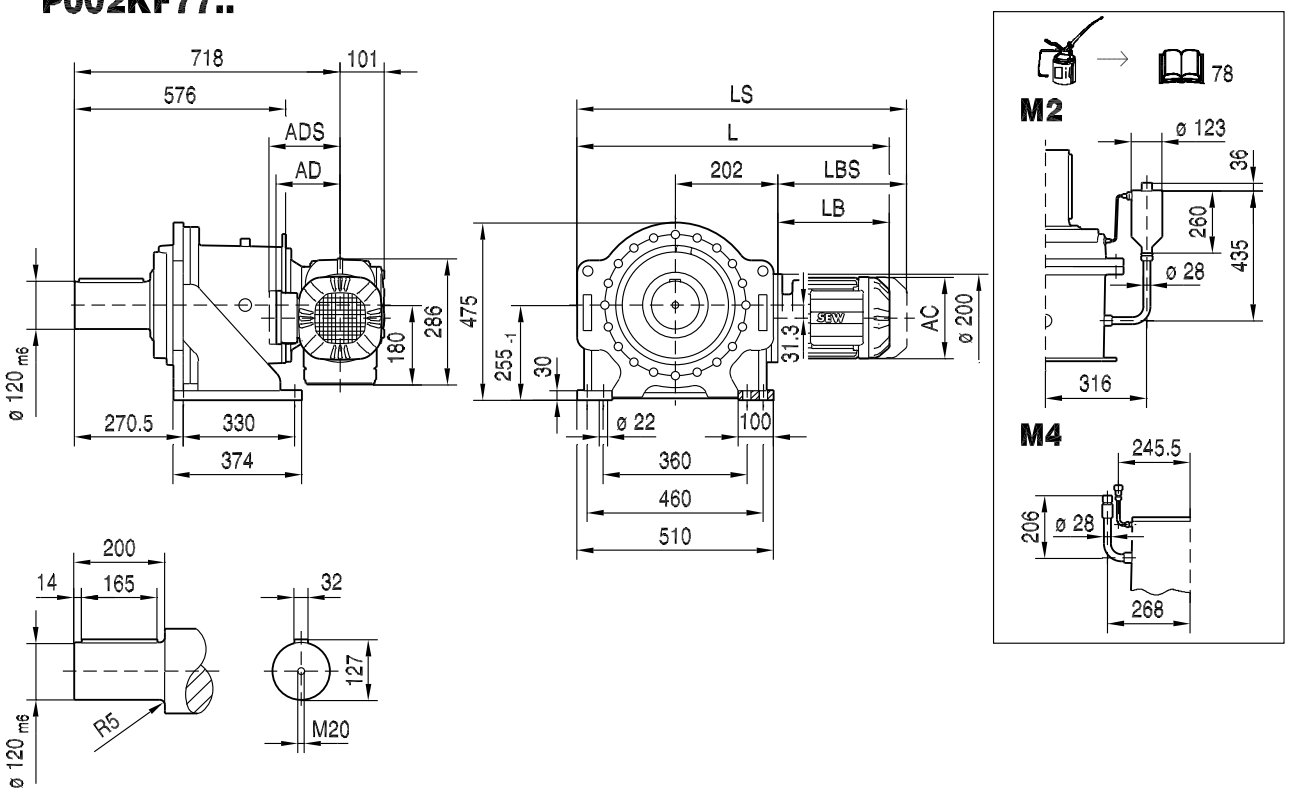


(→ 📄 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC
AC	156	156	179	179	197	197	221	221	221
AD	128	128	140	140	157	157	170	170	170
ADS	139	139	150	150	158	158	172	172	172
L	614	645	647	667	697	727	739	774	824
LS	695	726	740	760	790	820	851	886	936
LB	230	261	263	283	313	343	355	390	440
LBS	311	342	356	376	406	436	467	502	552

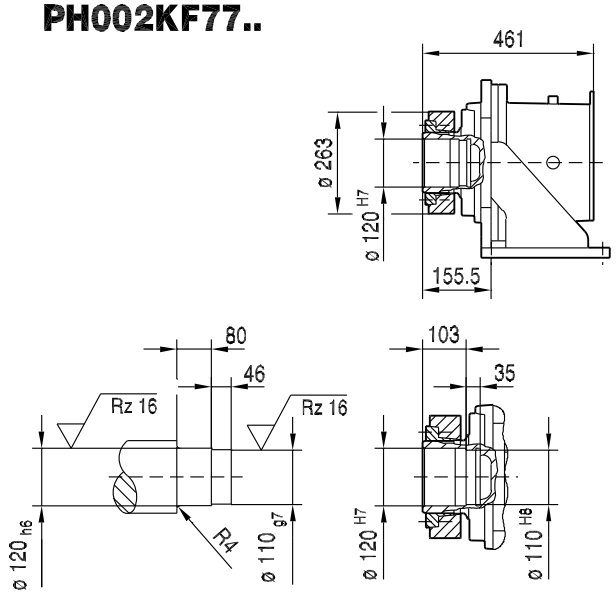
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45 060 02 08



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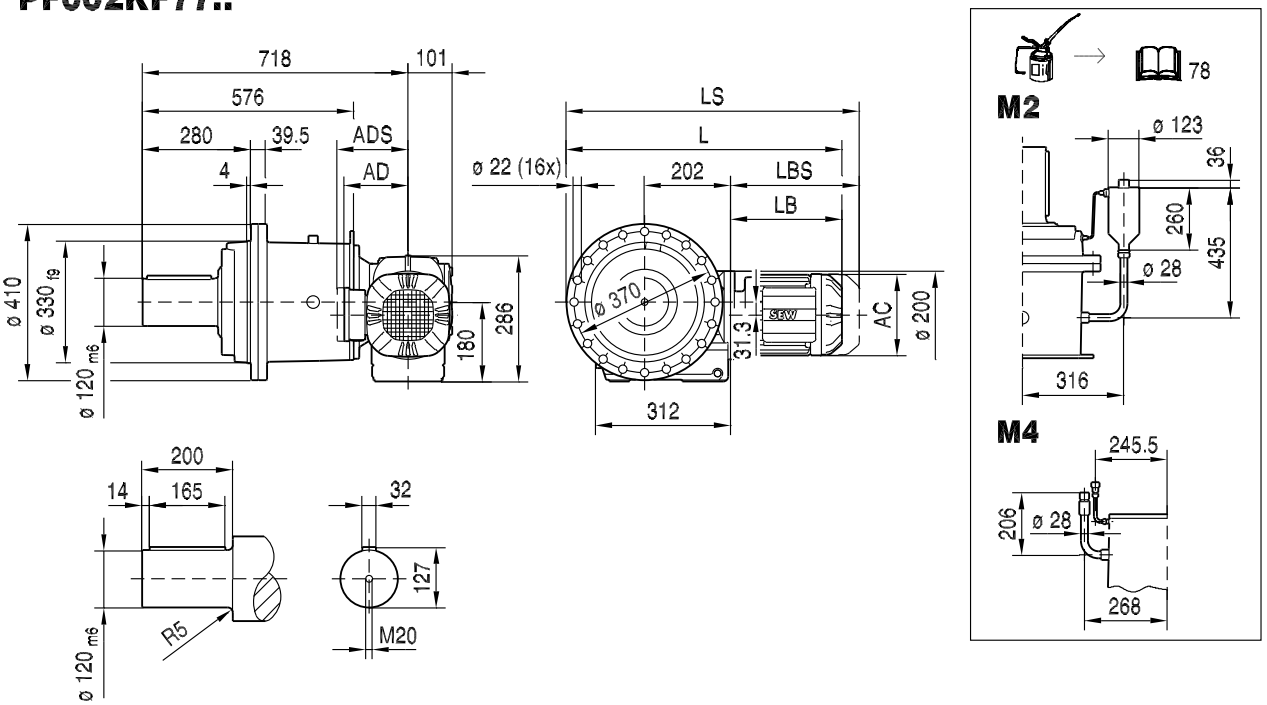


(→ 📄 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	221	272
AD	128	128	140	140	157	157	170	170	170	228
ADS	139	139	150	150	158	158	172	172	172	228
L	680	711	713	733	763	793	801	836	886	927
LS	761	792	806	826	856	886	913	948	998	1064
LB	223	254	256	276	306	336	344	379	429	470
LBS	304	335	349	369	399	429	456	491	541	607

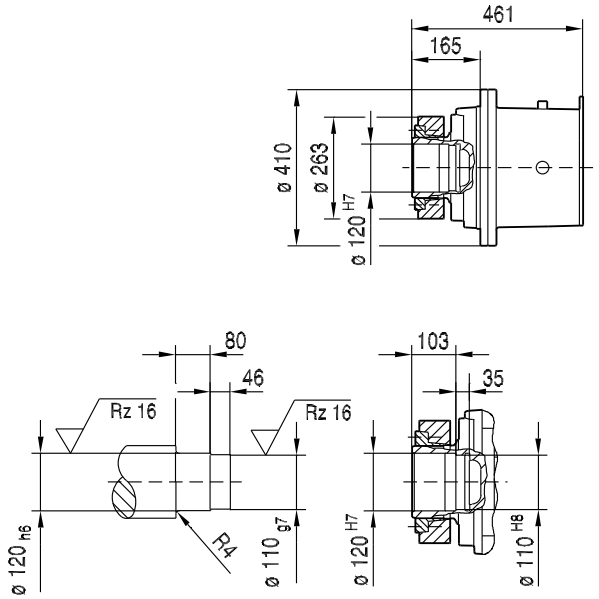
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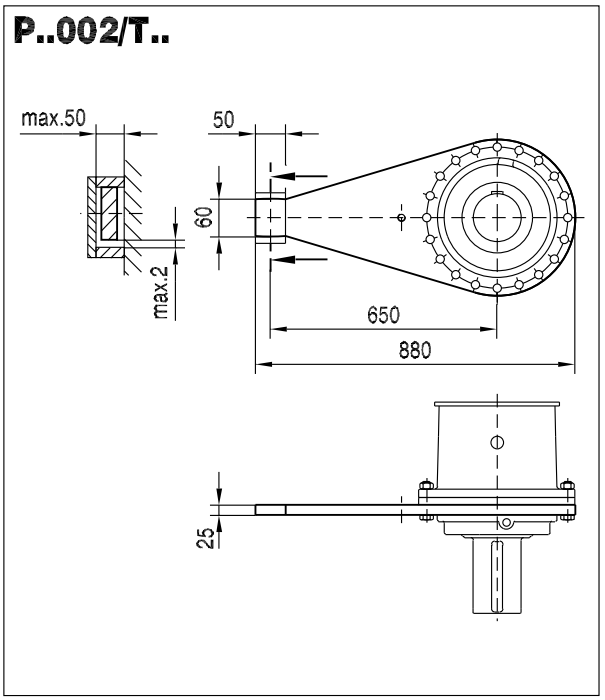
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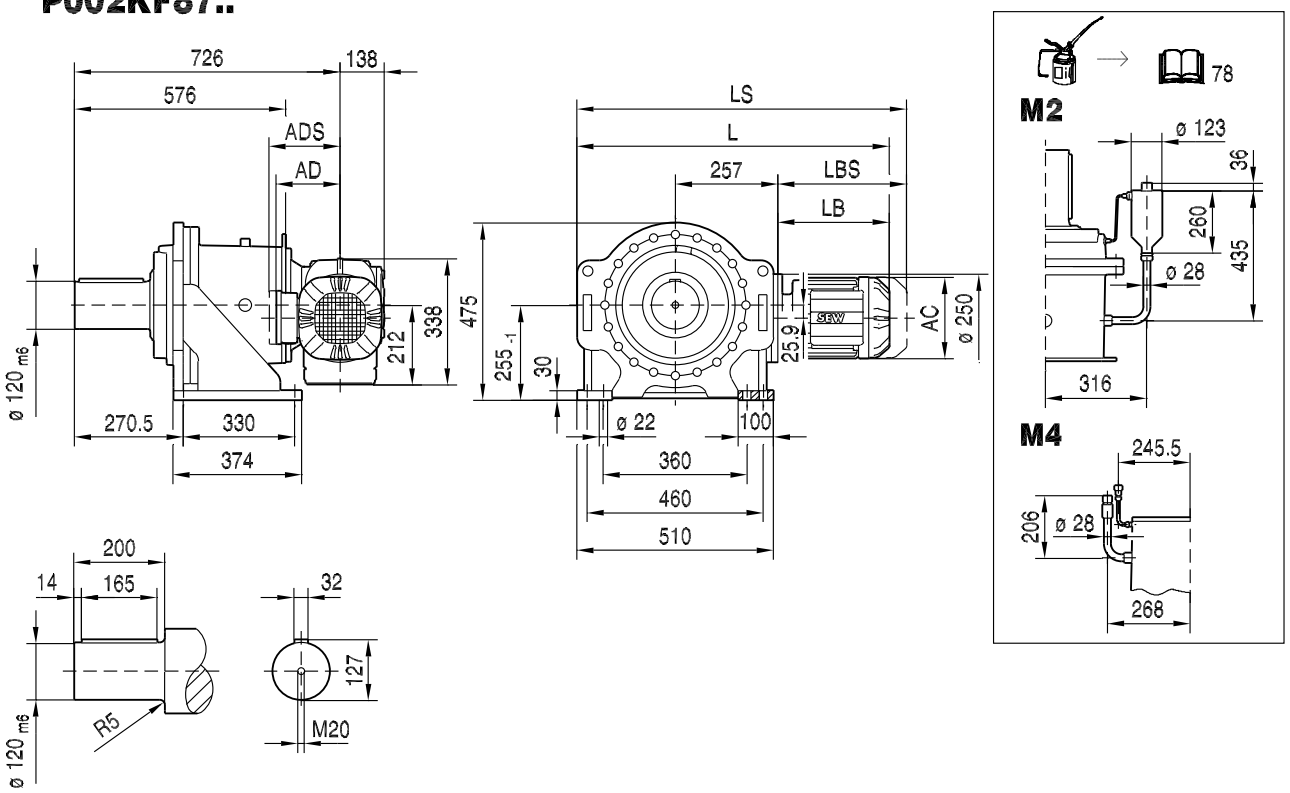


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	221	272
AD	128	128	140	140	157	157	170	170	170	228
ADS	139	139	150	150	158	158	172	172	172	228
L	630	661	663	683	713	743	751	786	836	877
LS	711	742	756	776	806	836	863	898	948	1014
LB	223	254	256	276	306	336	344	379	429	470
LBS	304	335	349	369	399	429	456	491	541	607

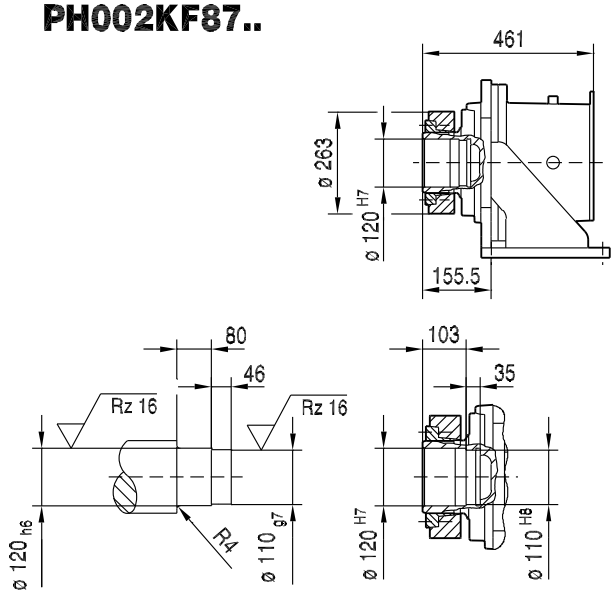
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45 061 02 08



PH002KF87..

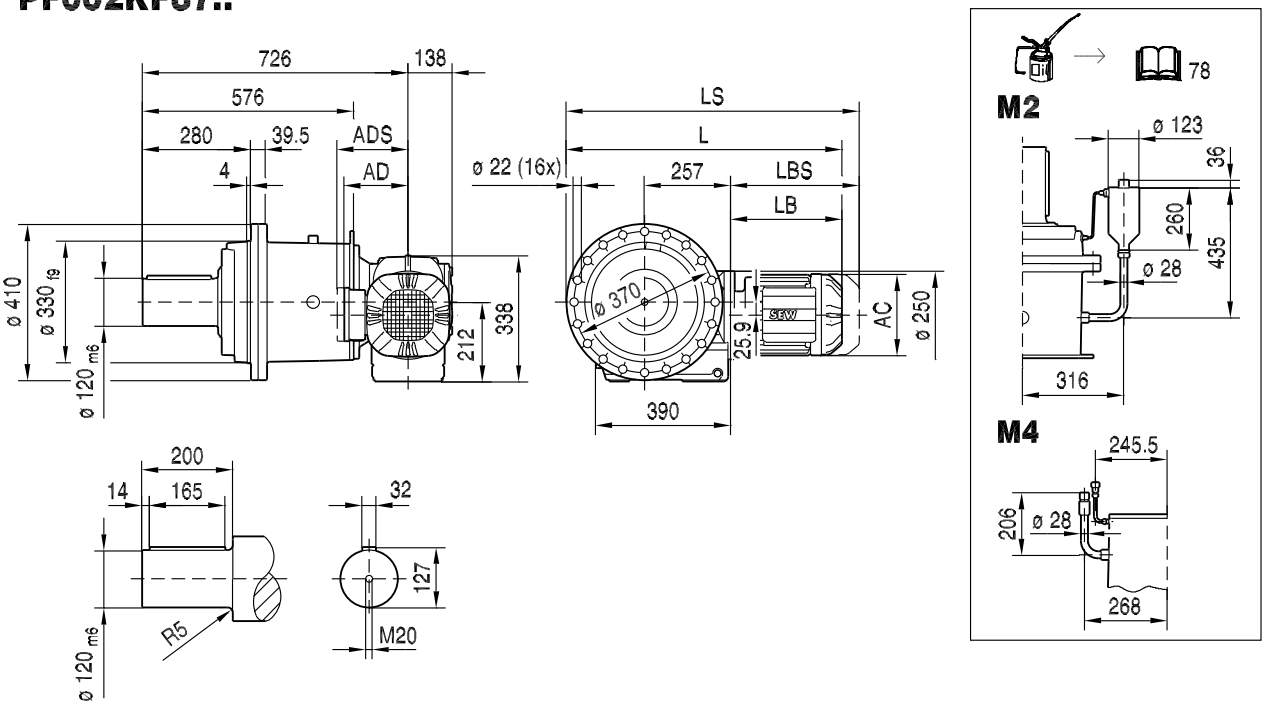


(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC				
AC	221	272	316	316				
AD	170	228	253	253				
ADS	172	228	253	253				
L	936	977	1046	1106				
LS	1048	1114	1235	1295				
LB	424	465	534	594				
LBS	536	602	723	783				

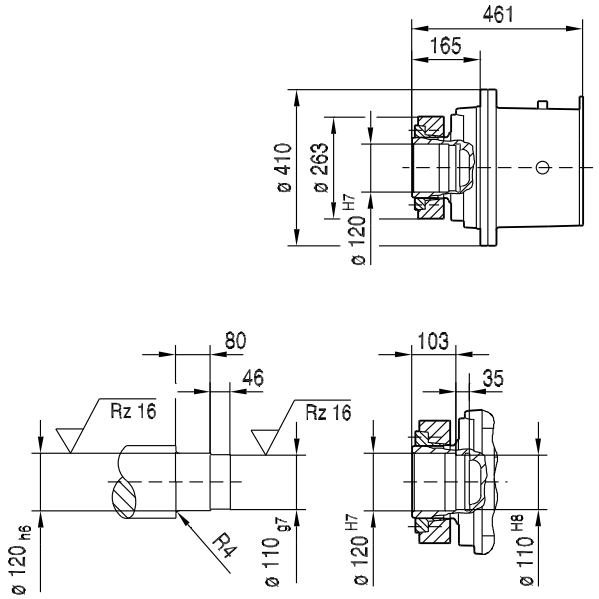
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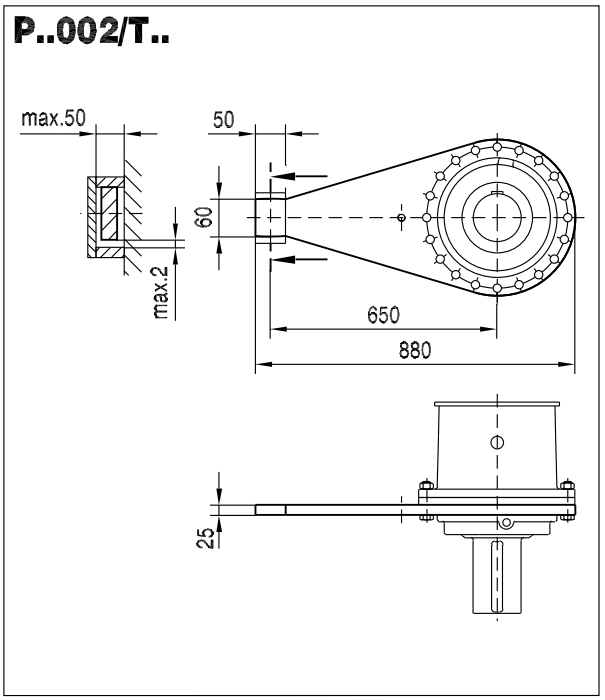
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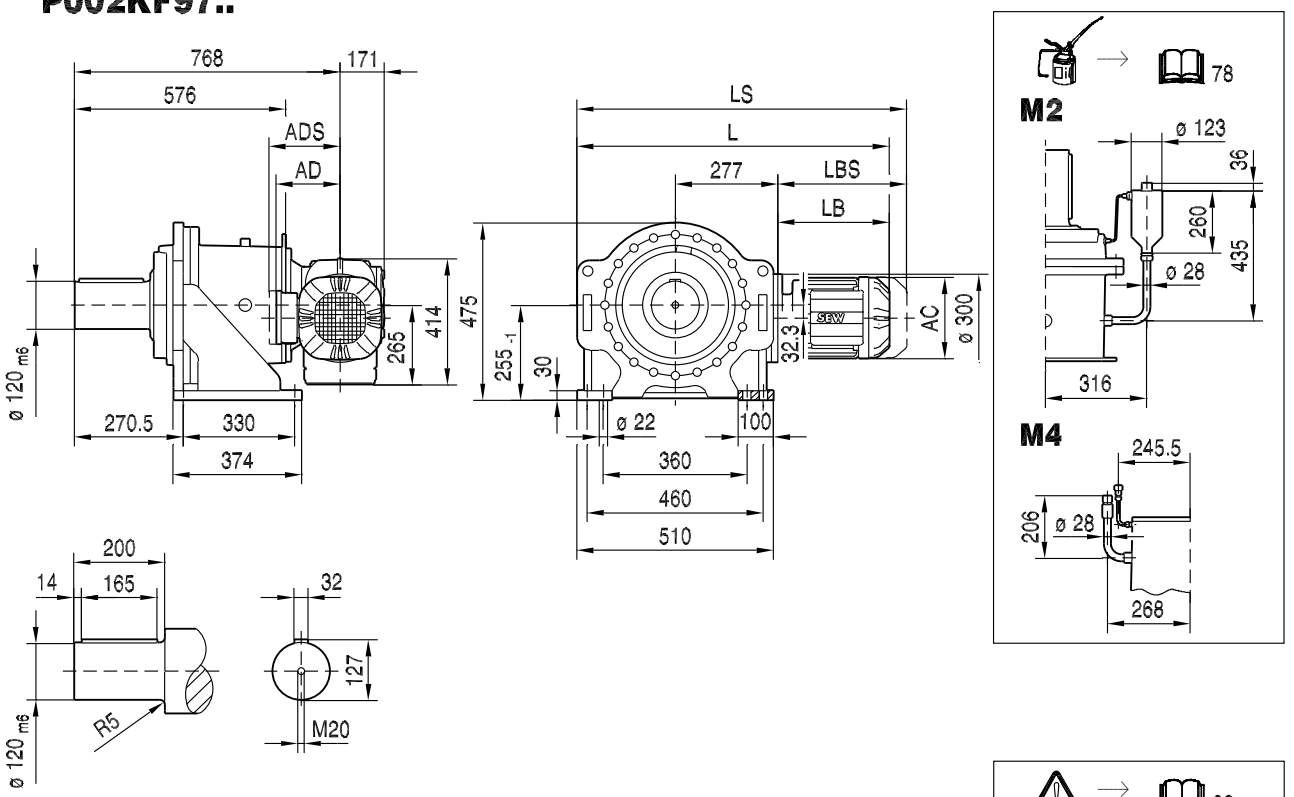
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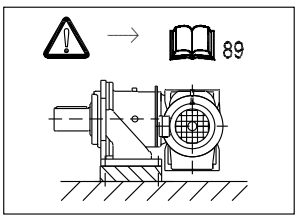


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC				
AC	221	272	316	316				
AD	170	228	253	253				
ADS	172	228	253	253				
L	886	927	996	1056				
LS	998	1064	1185	1245				
LB	424	465	534	594				
LBS	536	602	723	783				

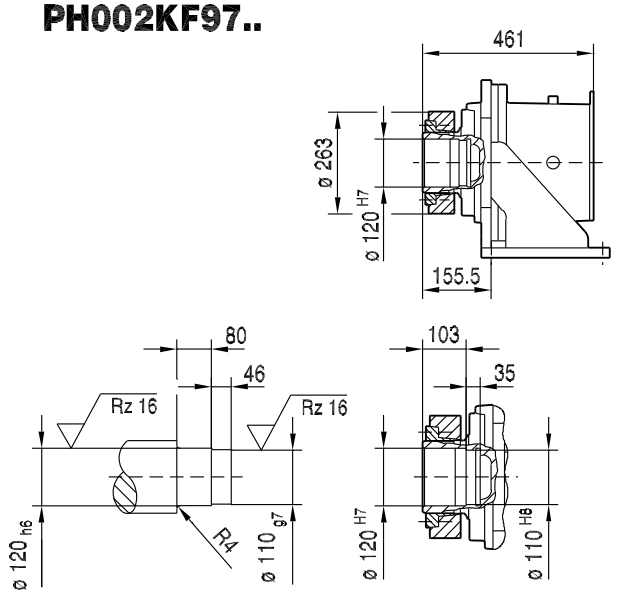
P002KF97..

45 062 02 08





PH002KF97..

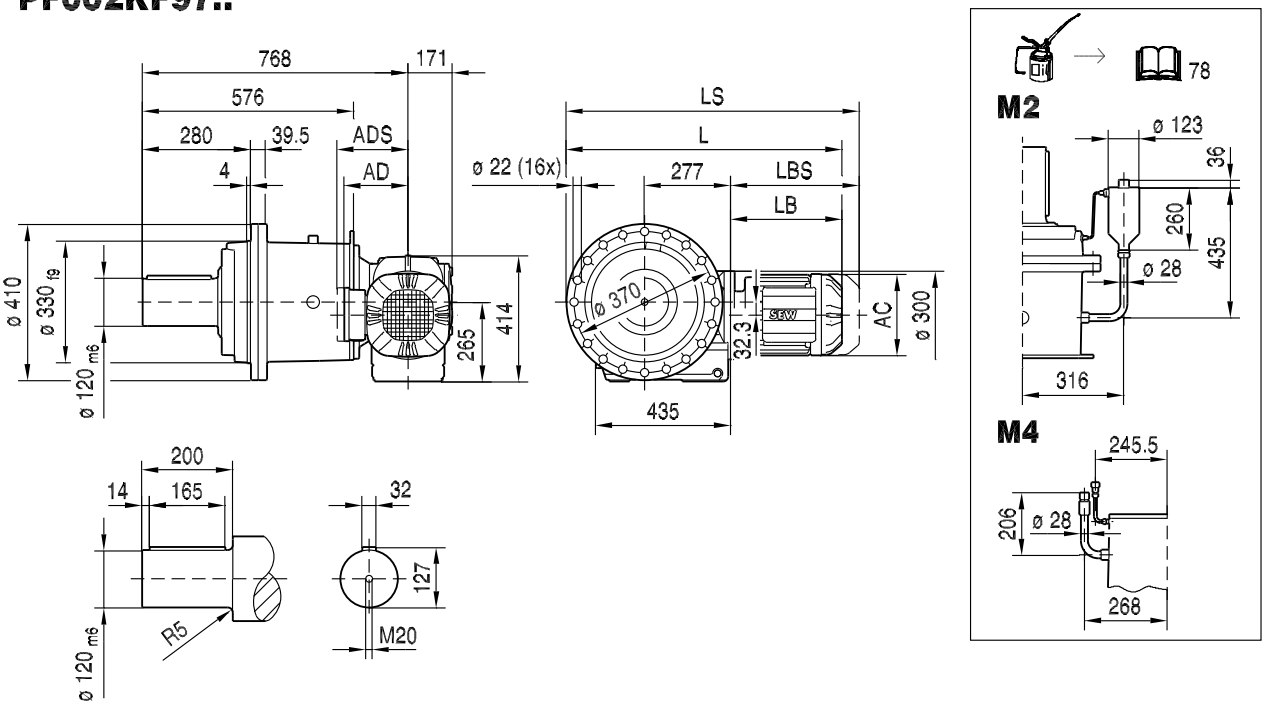


(→ 90)	DR160..	DR180S/M	DR180L/LC					
AC	272	316	316					
AD	228	253	253					
ADS	228	253	253					
L	992	1061	1121					
LS	1129	1250	1310					
LB	460	529	589					
LBS	597	718	778					

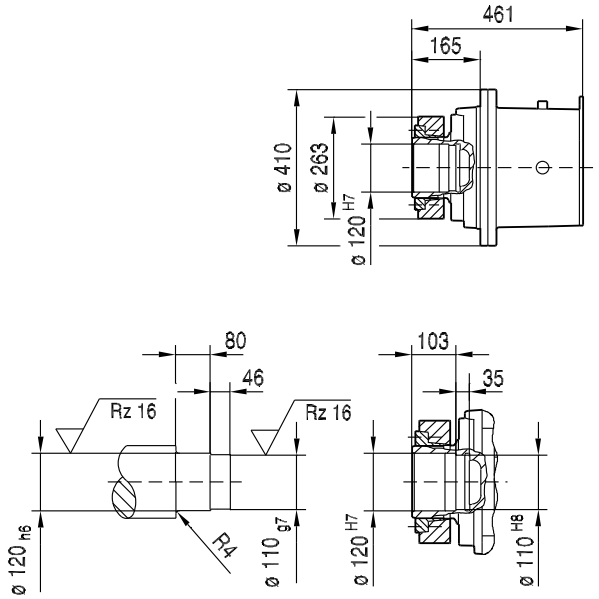
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PF002KF97..

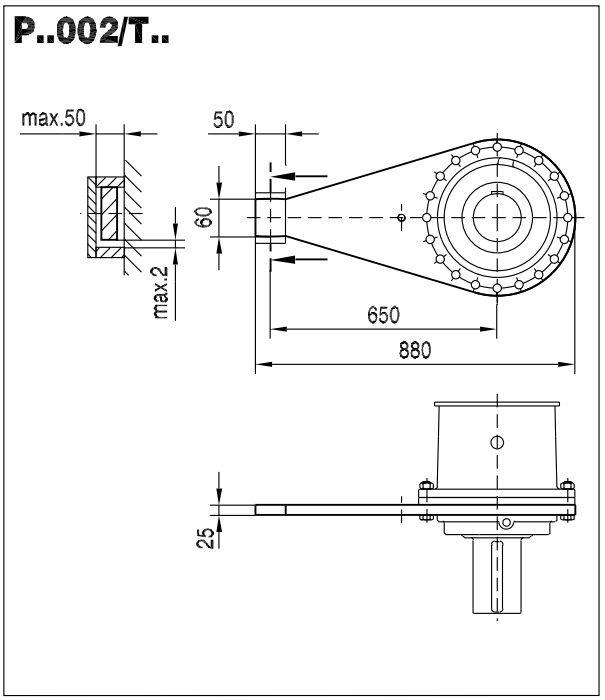
45 090 02 08



PHF002KF97..



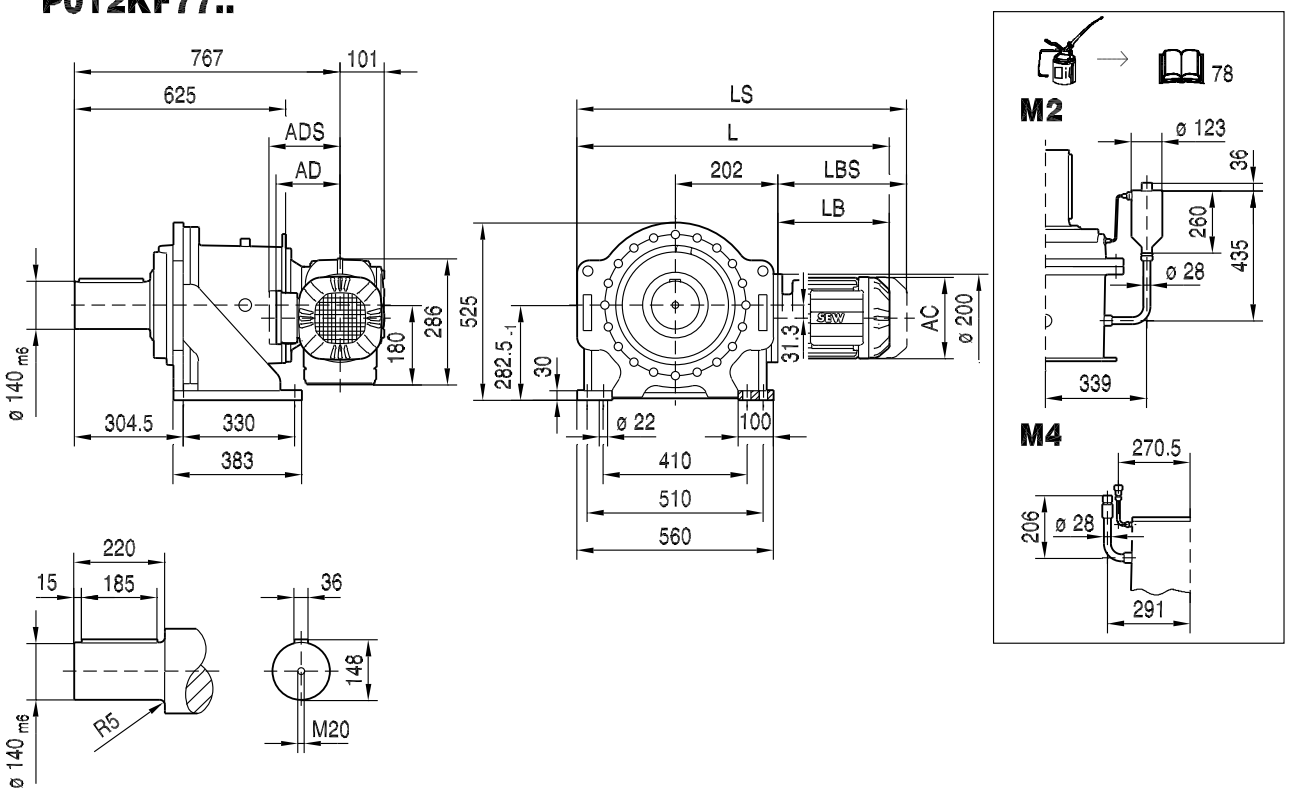
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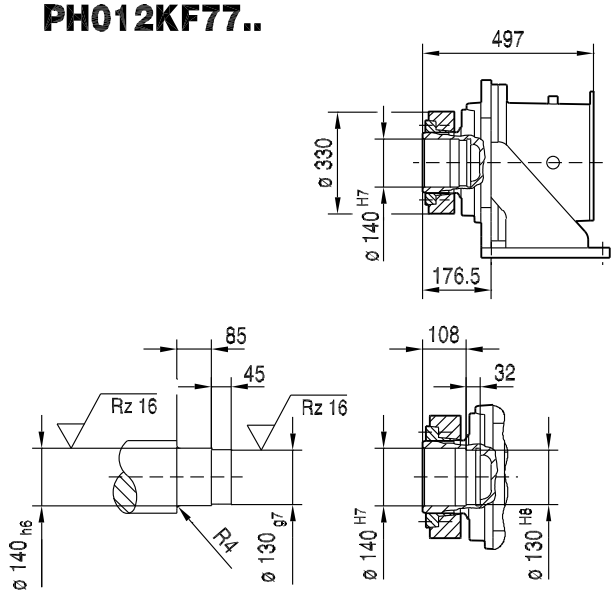
(→ 90)	DR160..	DR180S/M	DR180L/LC					
AC	272	316	316					
AD	228	253	253					
ADS	228	253	253					
L	942	1011	1071					
LS	1079	1200	1260					
LB	460	529	589					
LBS	597	718	778					

P012KF77..

45 063 02 08



PH012KF77..

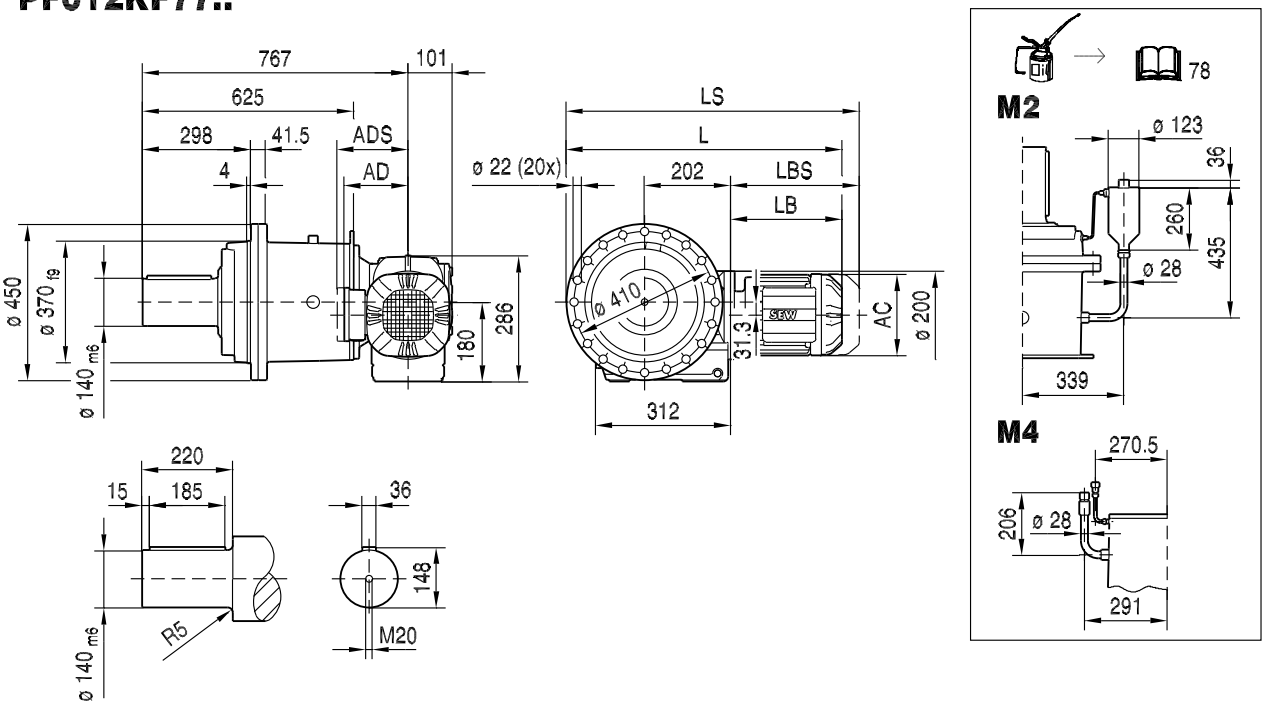


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	221	272
AD	128	128	140	140	157	157	170	170	170	228
ADS	139	139	150	150	158	158	172	172	172	228
L	705	736	738	758	788	818	826	861	911	952
LS	786	817	831	851	881	911	938	973	1023	1089
LB	223	254	256	276	306	336	344	379	429	470
LBS	304	335	349	369	399	429	456	491	541	607

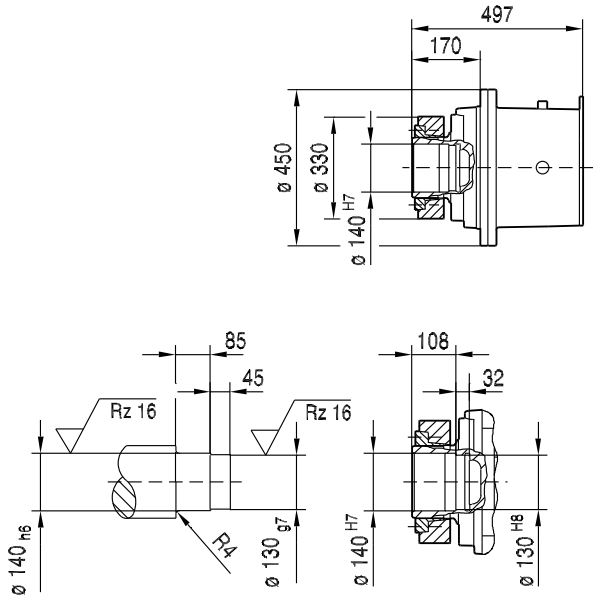
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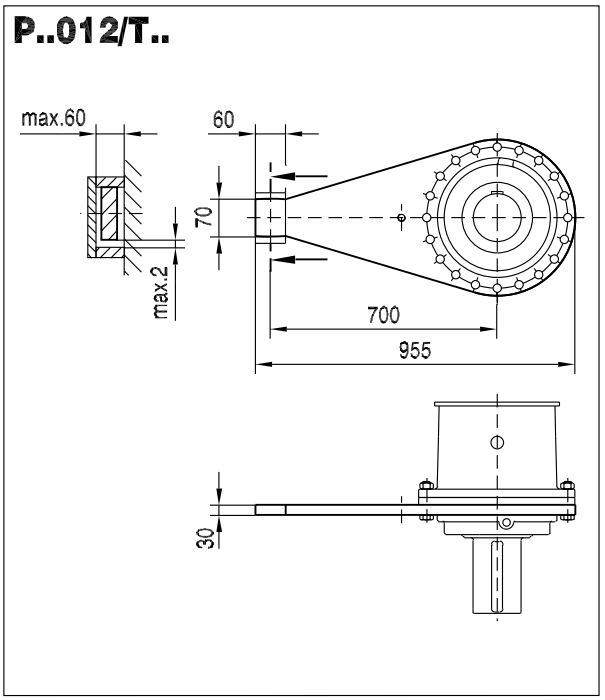
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P..012/T..

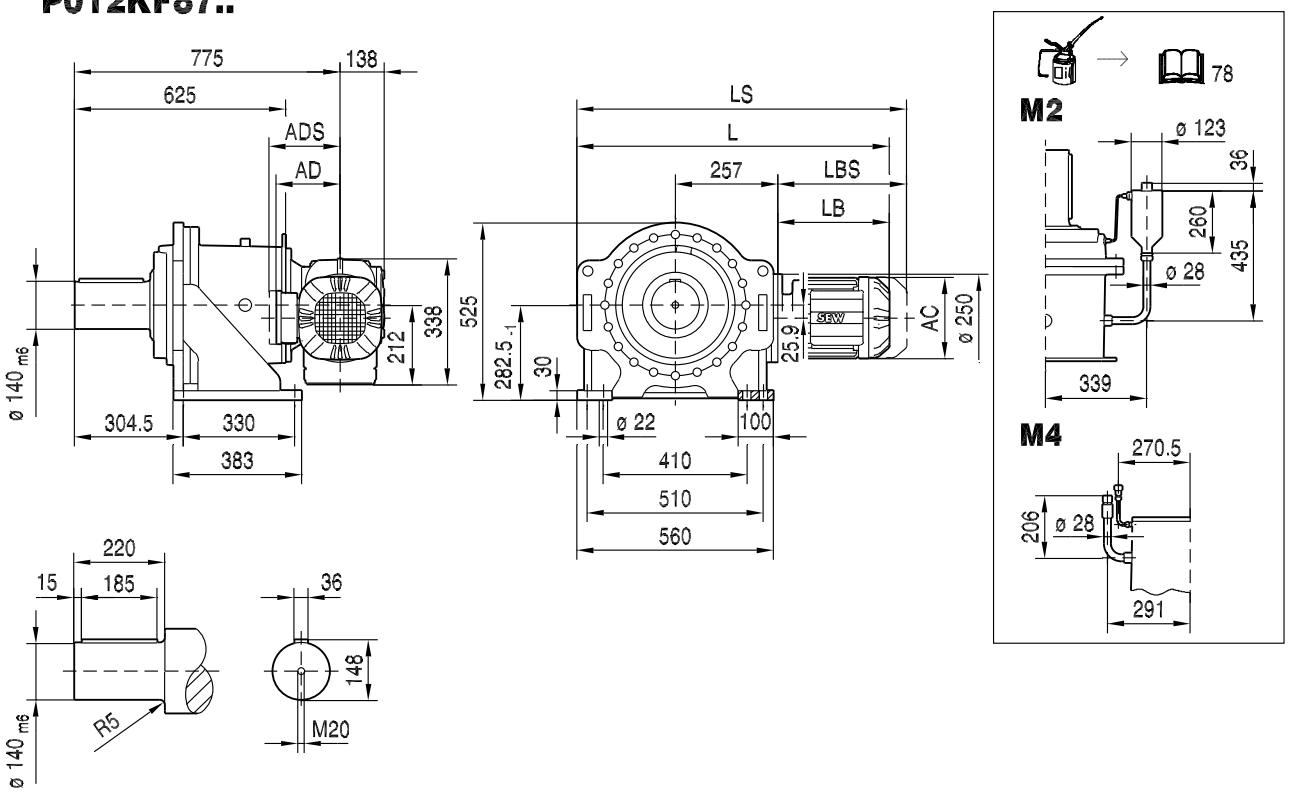


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	221	272
AD	128	128	140	140	157	157	170	170	170	228
ADS	139	139	150	150	158	158	172	172	172	228
L	650	681	683	703	733	763	771	806	856	897
LS	731	762	776	796	826	856	883	918	968	1034
LB	223	254	256	276	306	336	344	379	429	470
LBS	304	335	349	369	399	429	456	491	541	607

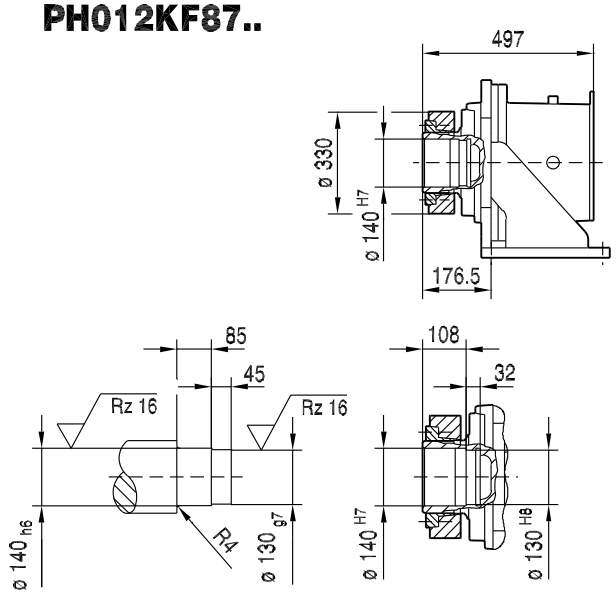
21216193/EN – 11/2014

P012KF87..

45 064 02 08



PH012KF87..

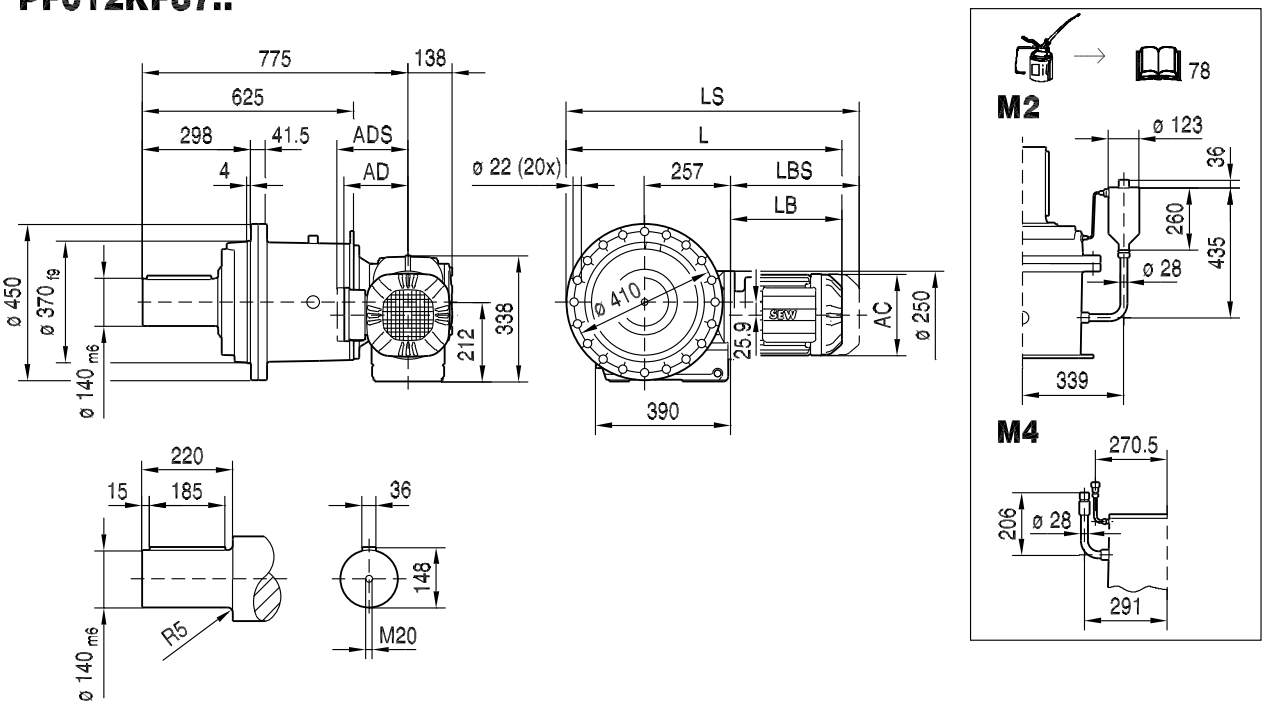


(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M
AC	156	156	179	179	197	197	221	221	221	272	316
AD	128	128	140	140	157	157	170	170	170	228	253
ADS	139	139	150	150	158	158	172	172	172	228	253
L	755	786	788	808	838	868	876	911	961	1002	1071
LS	836	867	881	901	931	961	988	1023	1073	1139	1260
LB	218	249	251	271	301	331	339	374	424	465	534
LBS	299	330	344	364	394	424	451	486	536	602	723

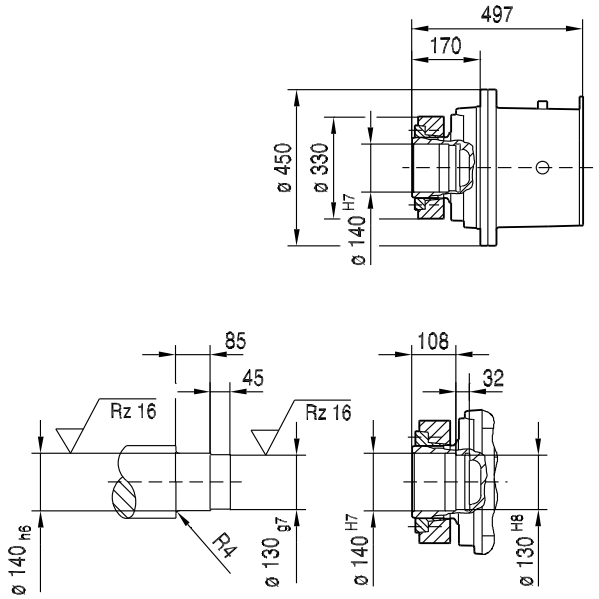
21216193/EN – 11/2014

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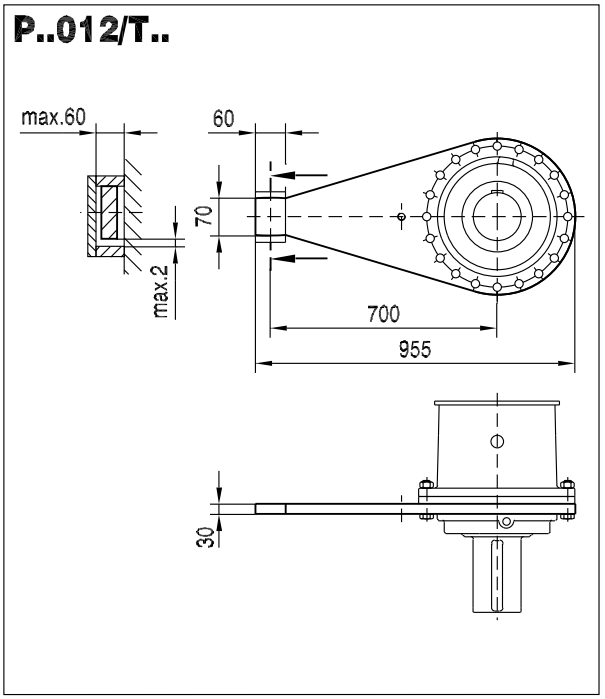
45 092 02 08



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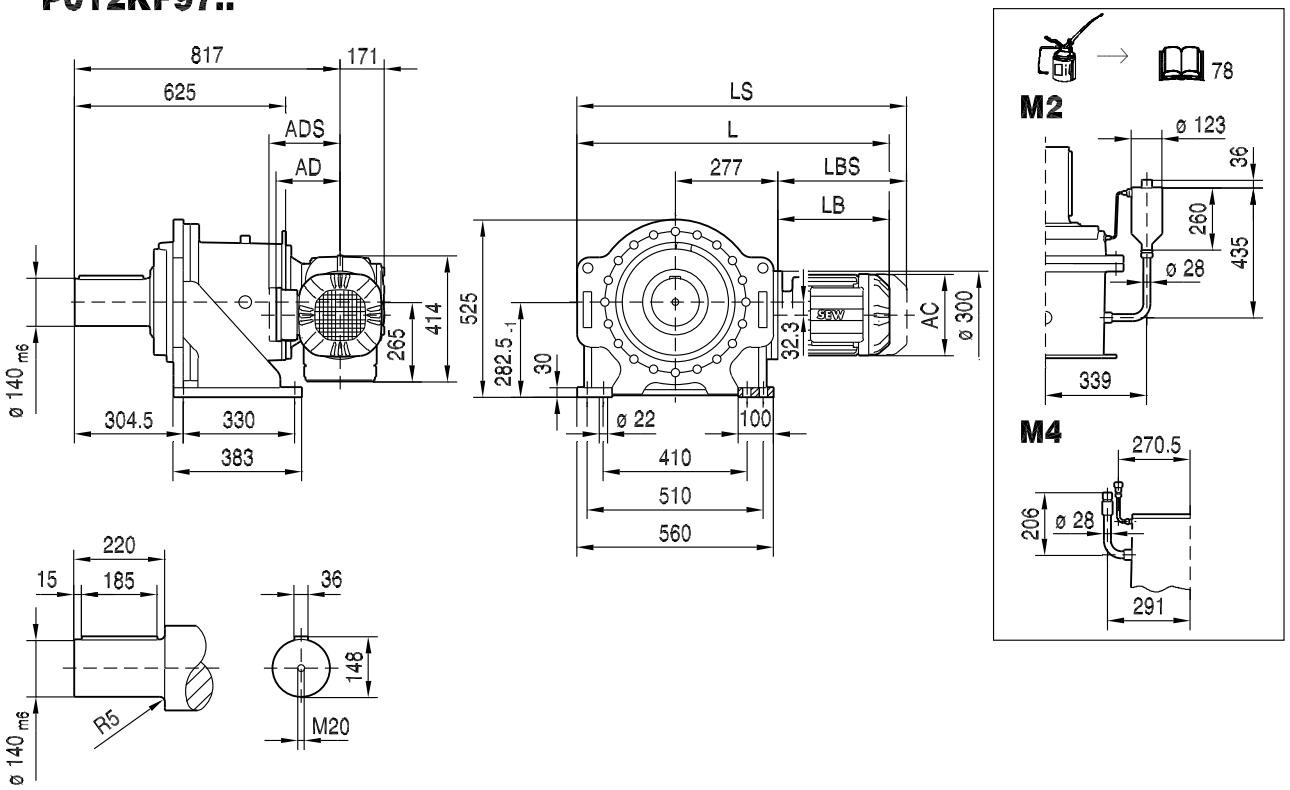
P..012/T..



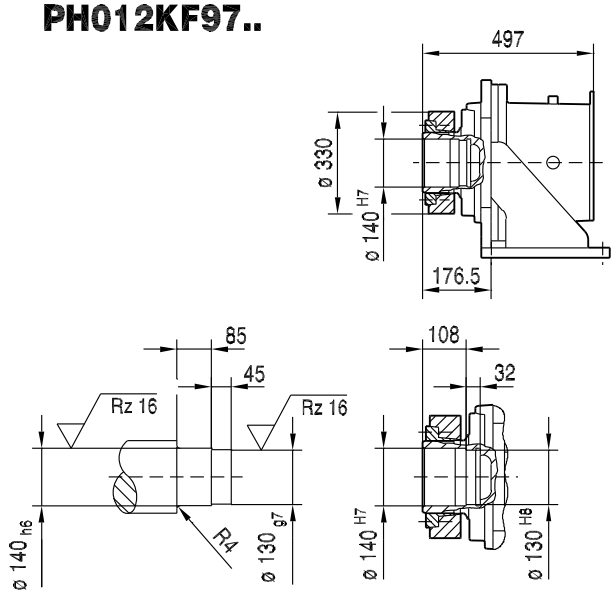
(→ 90)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M
AC	156	156	179	179	197	197	221	221	221	272	316
AD	128	128	140	140	157	157	170	170	170	228	253
ADS	139	139	150	150	158	158	172	172	172	228	253
L	700	731	733	753	783	813	821	856	906	947	1016
LS	781	812	826	846	876	906	933	968	1018	1084	1205
LB	218	249	251	271	301	331	339	374	424	465	534
LBS	299	330	344	364	394	424	451	486	536	602	723

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45 065 02 08



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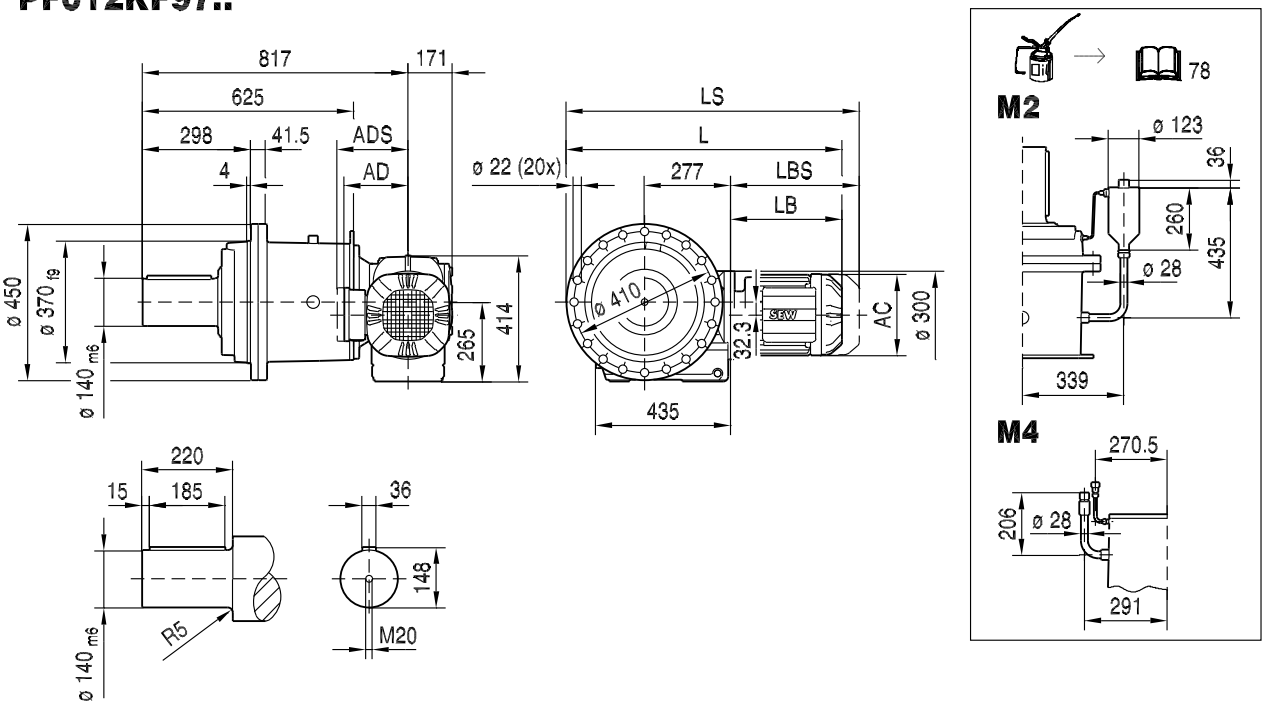


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S		
AC	221	272	316	316	394	394		
AD	170	228	253	253	283	283		
ADS	172	228	253	253	283	283		
L	976	1017	1086	1146	1219	1219		
LS	1088	1154	1275	1335	1424	1424		
LB	419	460	529	589	662	662		
LBS	531	597	718	778	867	867		

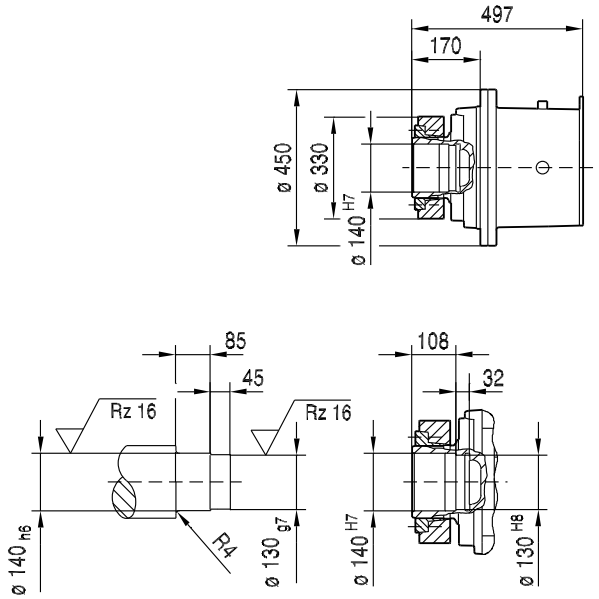
21216193/EN – 11/2014

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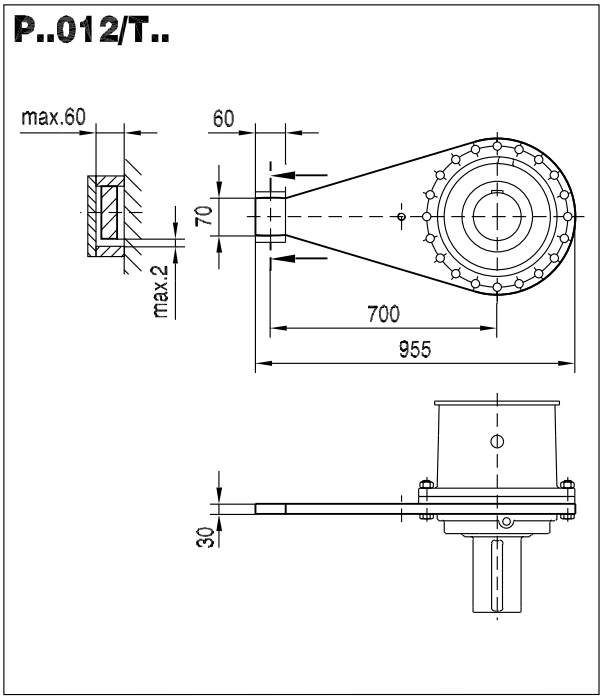
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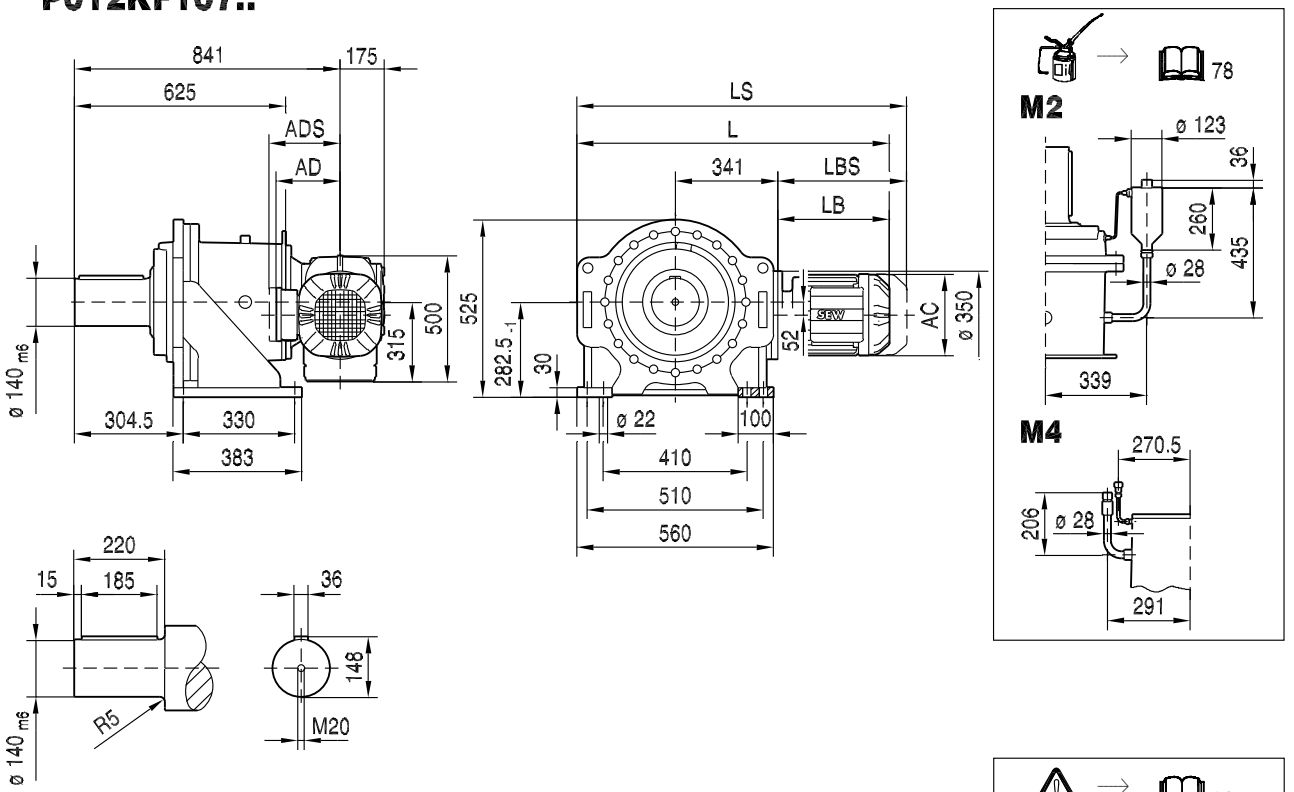
P..012/T..

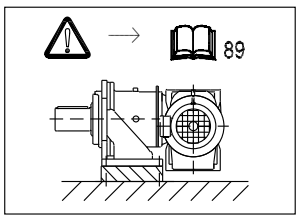


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S		
AC	221	272	316	316	394	394		
AD	170	228	253	253	283	283		
ADS	172	228	253	253	283	283		
L	921	962	1031	1091	1164	1164		
LS	1033	1099	1220	1280	1369	1369		
LB	419	460	529	589	662	662		
LBS	531	597	718	778	867	867		

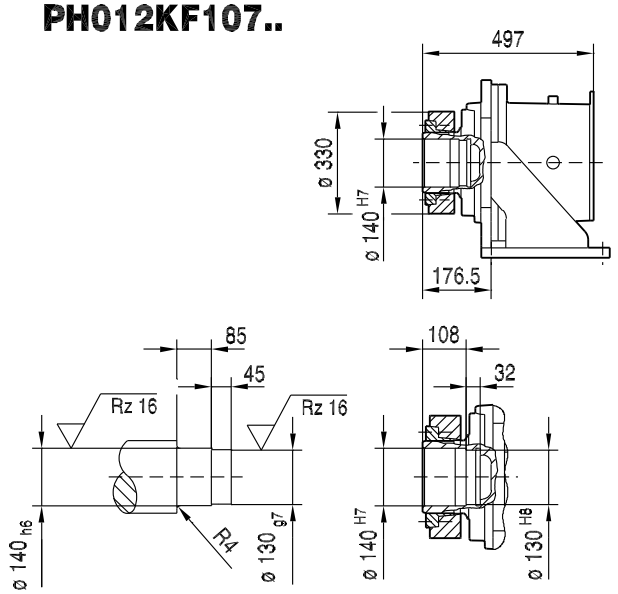
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45 066 02 08





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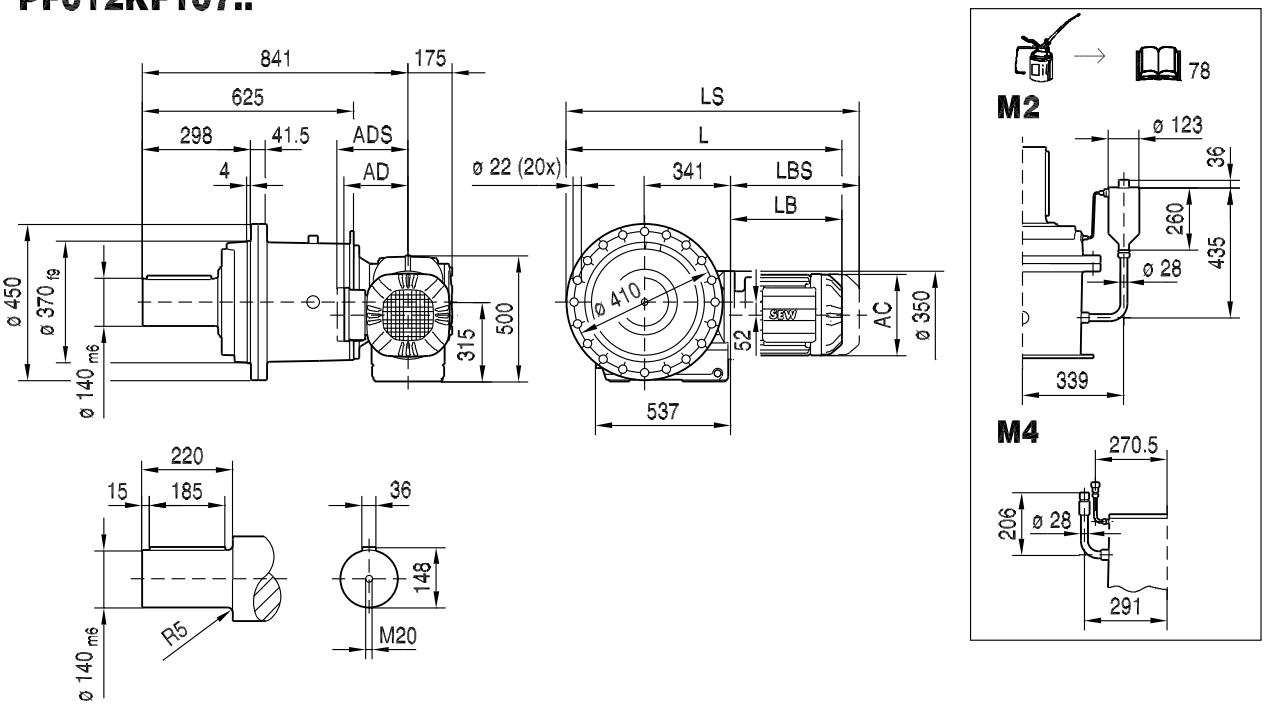


(→ 90)	DR180L/LC	DR200	DR225S					
AC	316	394	394					
AD	253	283	283					
ADS	253	283	283					
L	1204	1277	1277					
LS	1393	1482	1482					
LB	583	656	656					
LBS	772	861	861					

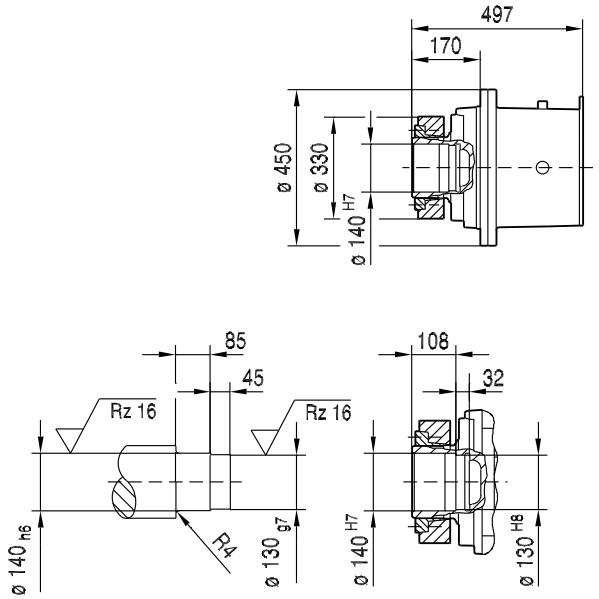
21216193/EN – 11/2014

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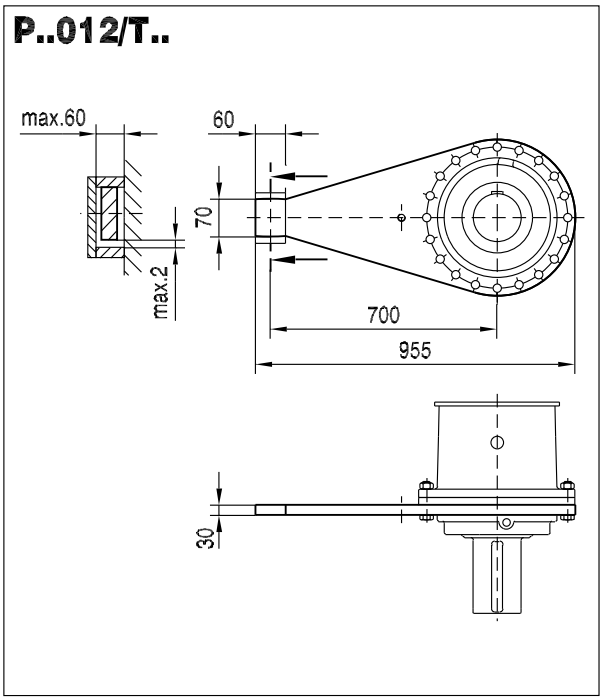
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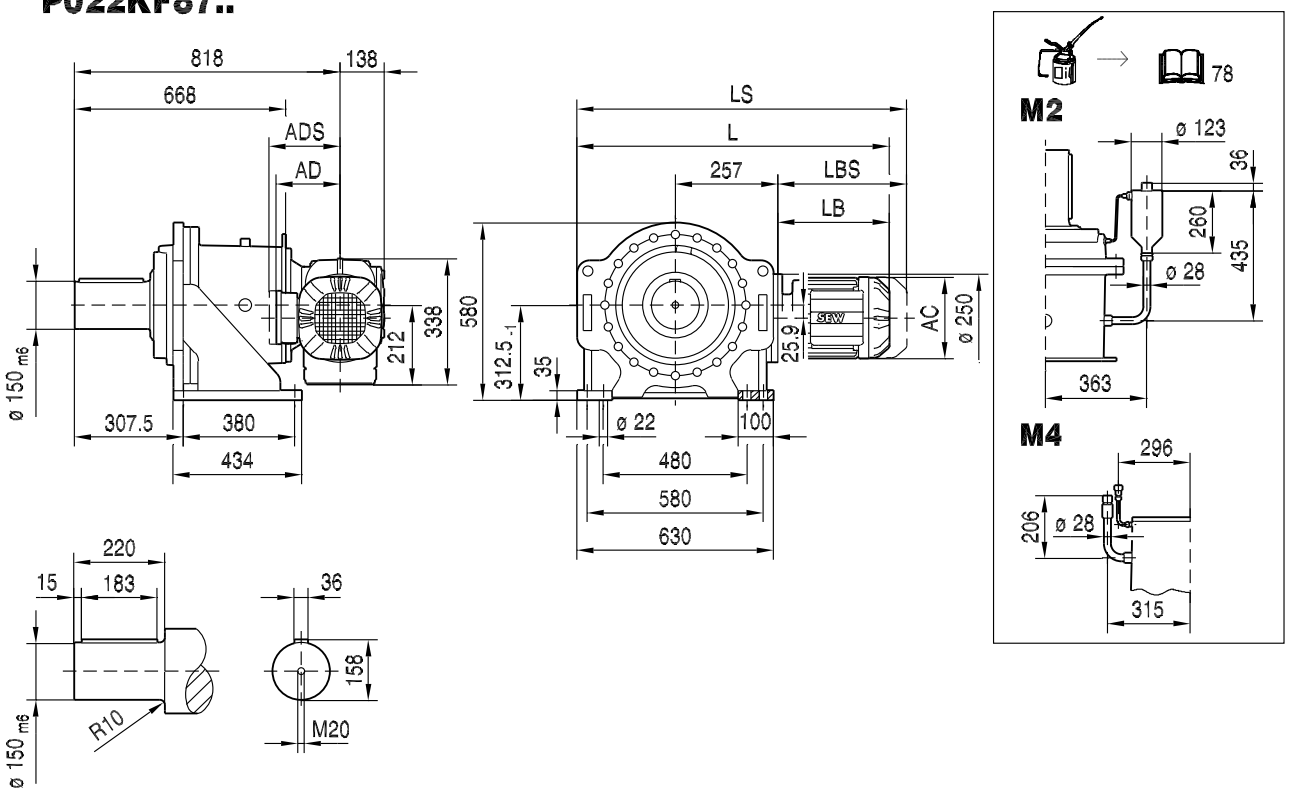
P..012/T..



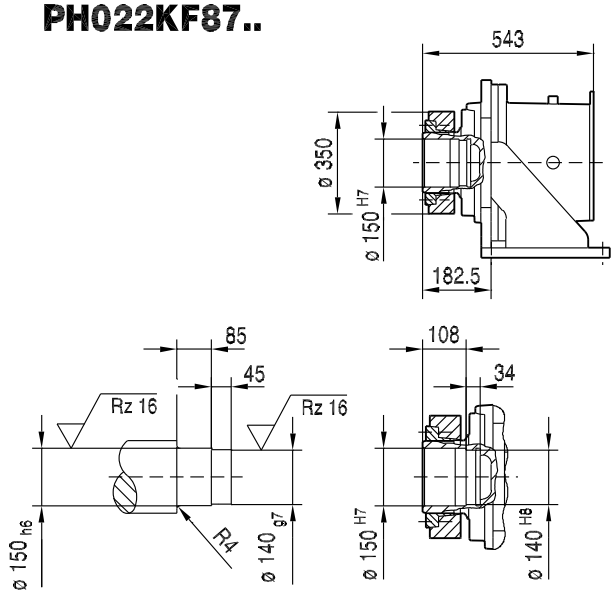
(→ 90)	DR180L/LC	DR200	DR225S					
AC	316	394	394					
AD	253	283	283					
ADS	253	283	283					
L	1149	1222	1222					
LS	1338	1427	1427					
LB	583	656	656					
LBS	772	861	861					

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45 067 02 08



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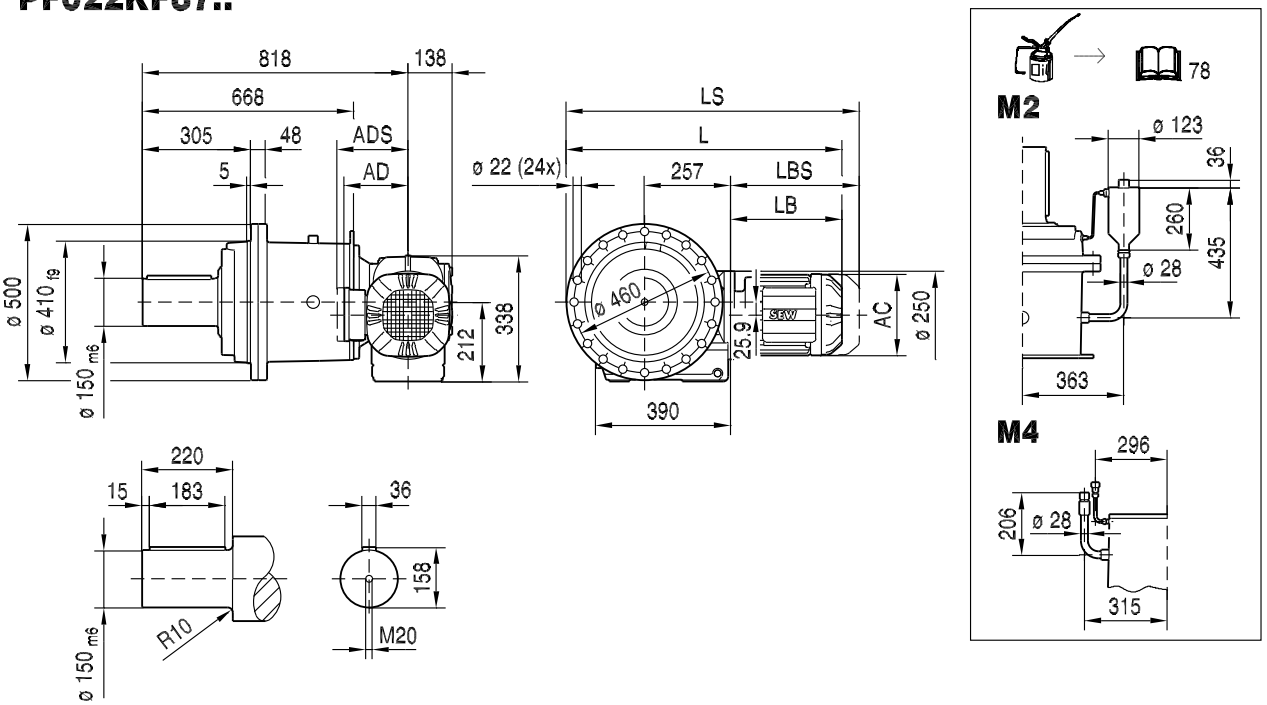


(→ 90)	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M
AC	156	179	179	197	197	221	221	221	272	316
AD	128	140	140	157	157	170	170	170	228	253
ADS	139	150	150	158	158	172	172	172	228	253
L	821	823	843	873	903	911	946	996	1037	1106
LS	902	916	936	966	996	1023	1058	1108	1174	1295
LB	249	251	271	301	331	339	374	424	465	534
LBS	330	344	364	394	424	451	486	536	602	723

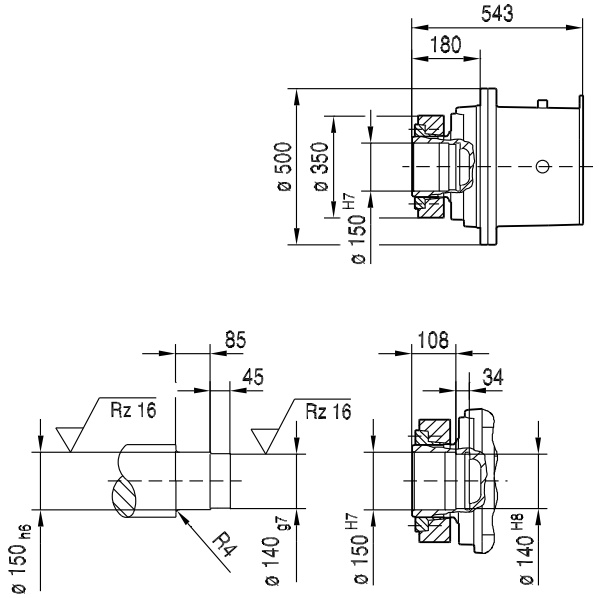
21216193/EN – 11/2014

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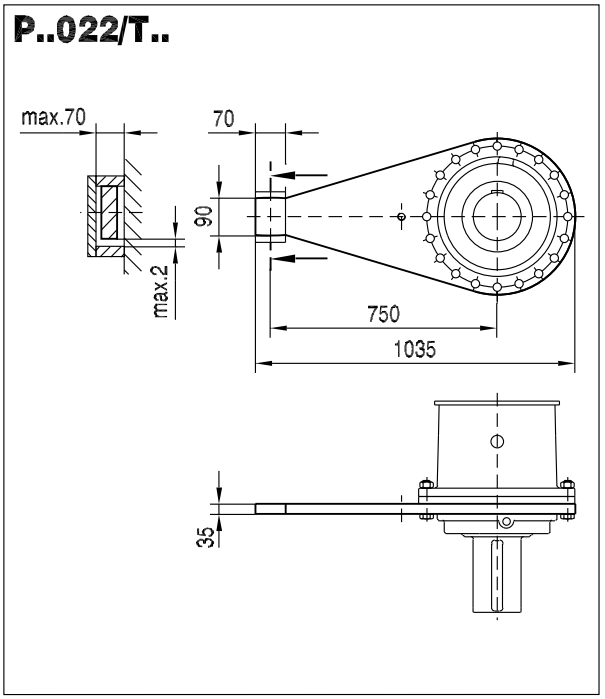
45 095 02 08



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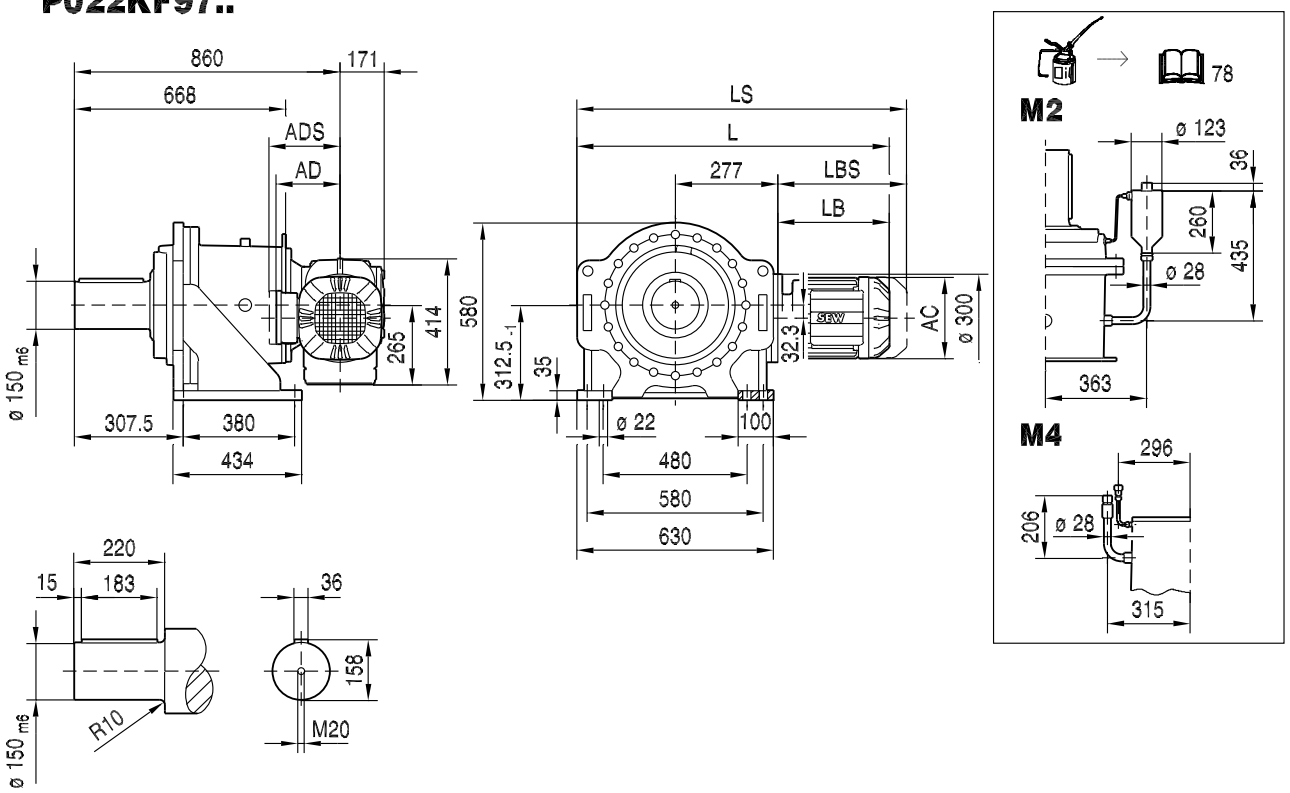
P..022/T..



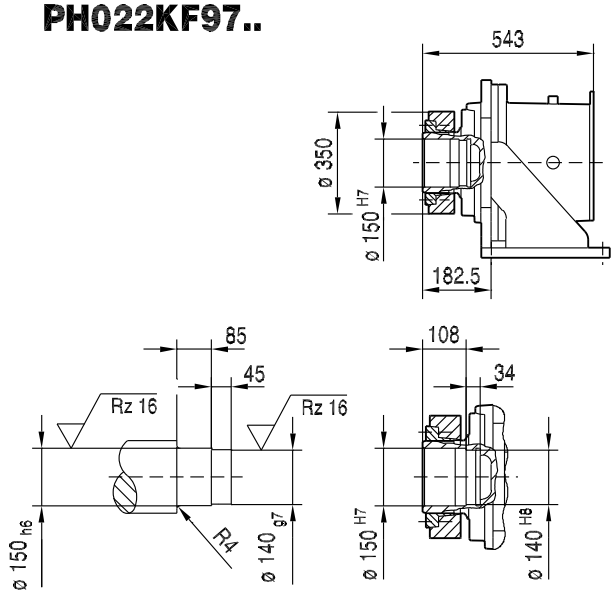
(→ 90)	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M
AC	156	179	179	197	197	221	221	221	272	316
AD	128	140	140	157	157	170	170	170	228	253
ADS	139	150	150	158	158	172	172	172	228	253
L	756	758	778	808	838	846	881	931	972	1041
LS	837	851	871	901	931	958	993	1043	1109	1230
LB	249	251	271	301	331	339	374	424	465	534
LBS	330	344	364	394	424	451	486	536	602	723

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45 068 02 08



PH022KF97..

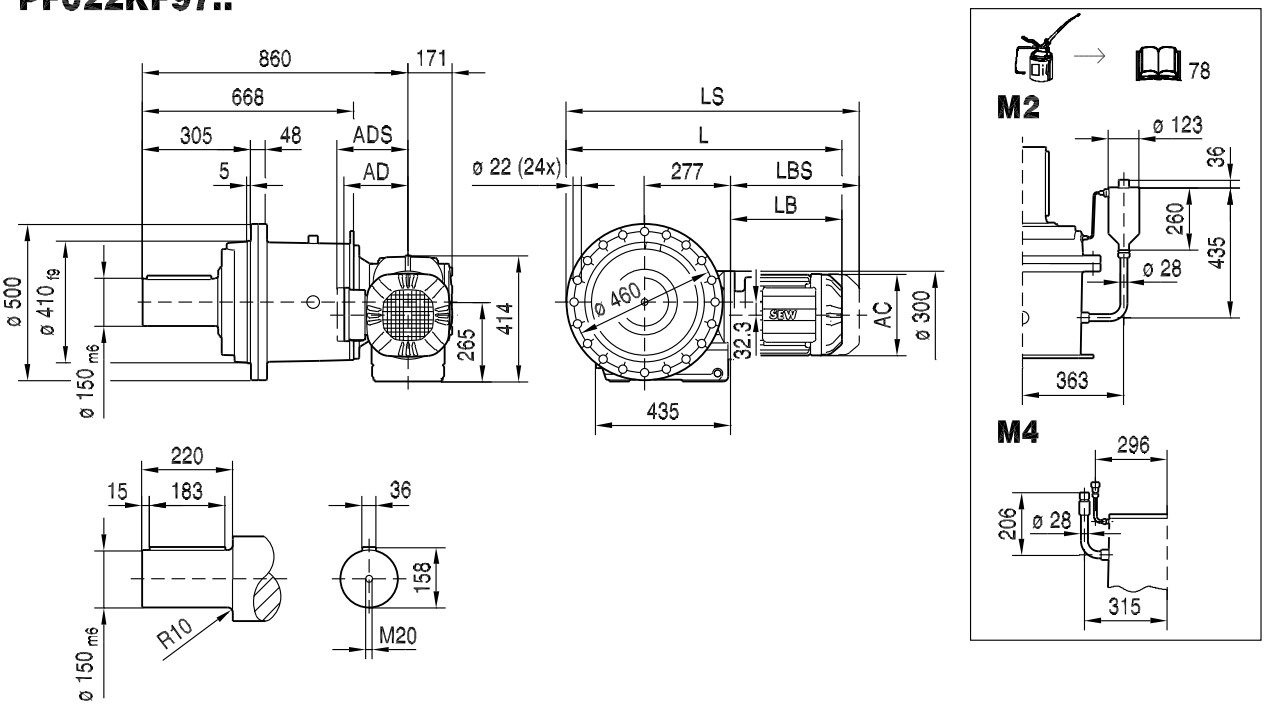


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S		
AC	221	272	316	316	394	394		
AD	170	228	253	253	283	283		
ADS	172	228	253	253	283	283		
L	1011	1052	1121	1181	1254	1254		
LS	1123	1189	1310	1370	1459	1459		
LB	419	460	529	589	662	662		
LBS	531	597	718	778	867	867		

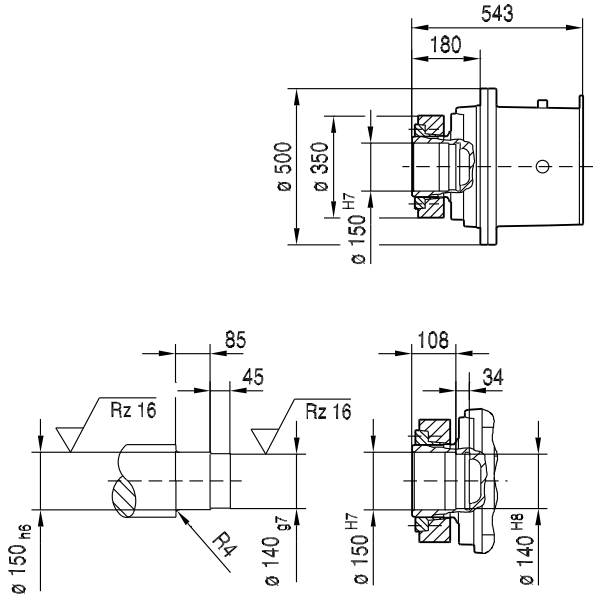
21216193/EN – 11/2014

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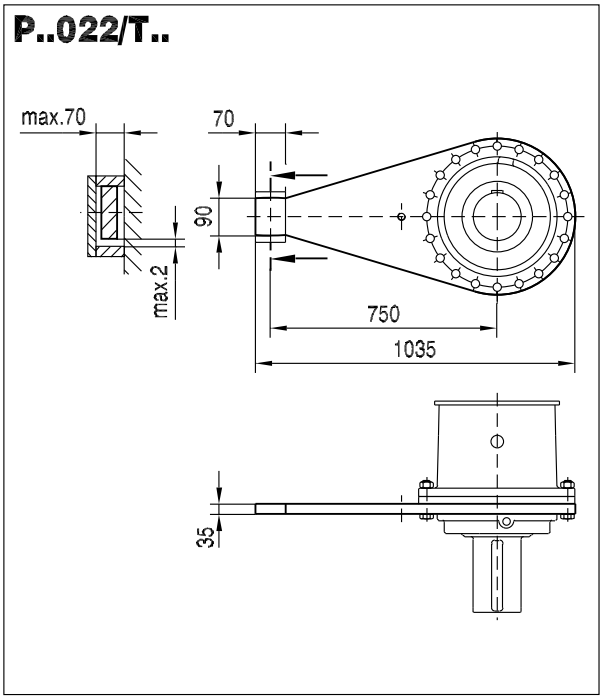
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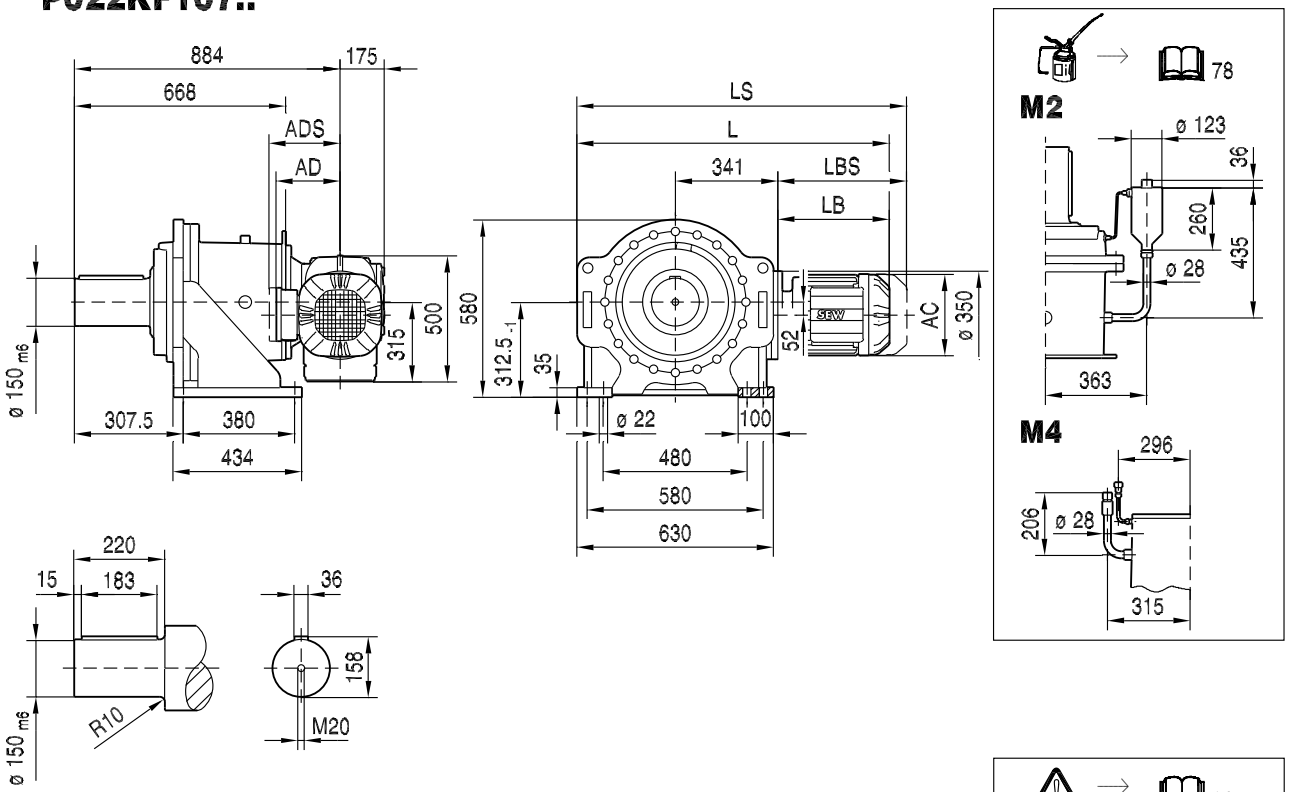
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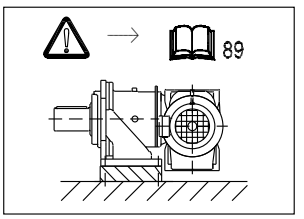


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S		
AC	221	272	316	316	394	394		
AD	170	228	253	253	283	283		
ADS	172	228	253	253	283	283		
L	946	987	1056	1116	1189	1189		
LS	1058	1124	1245	1305	1394	1394		
LB	419	460	529	589	662	662		
LBS	531	597	718	778	867	867		

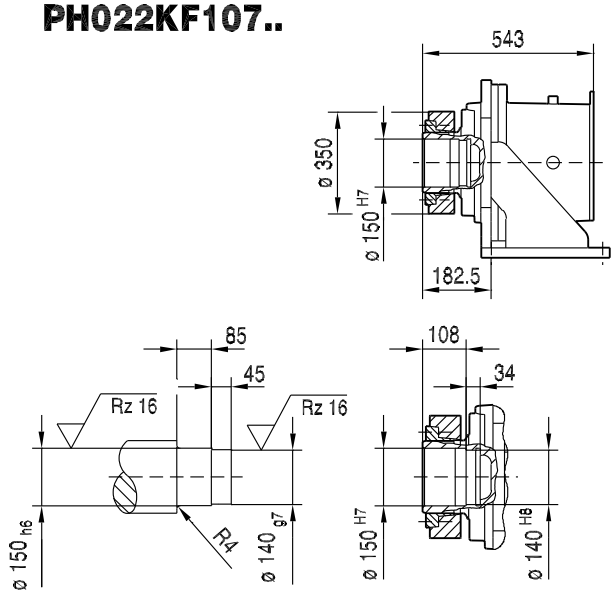
P022KF107..

45 069 02 08





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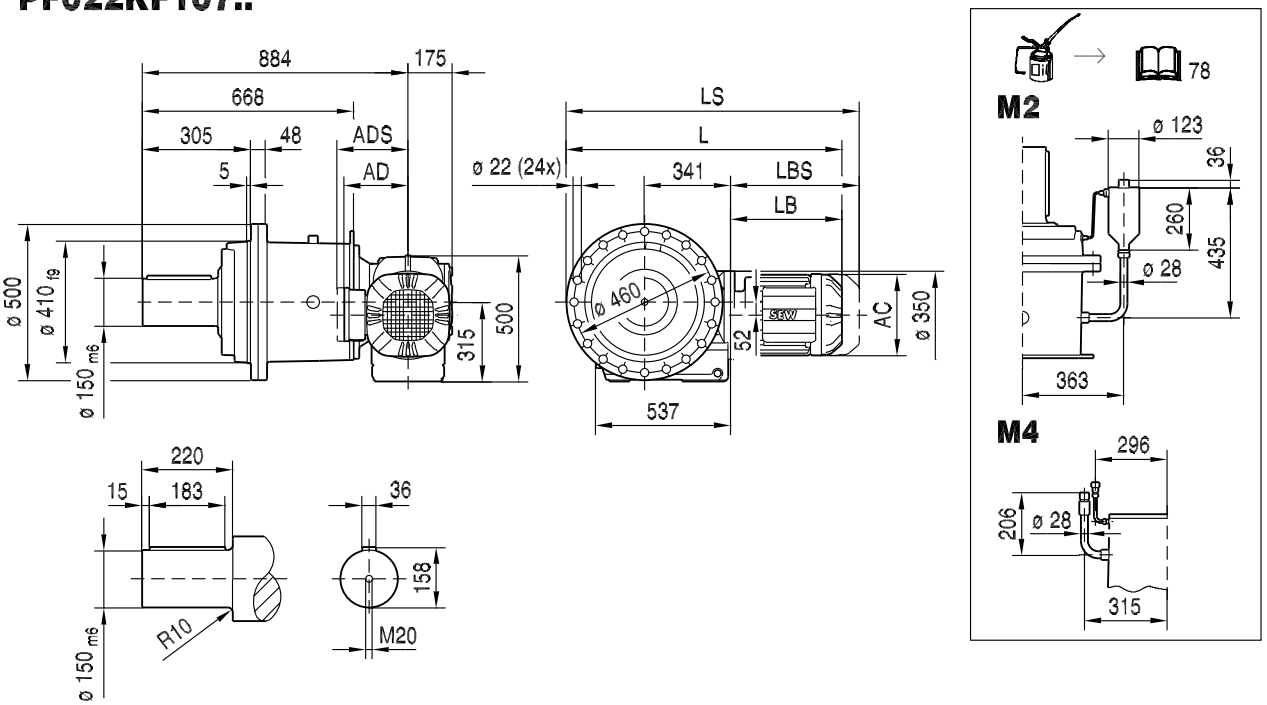


(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC				
AC	316	394	394	394				
AD	253	283	283	283				
ADS	253	283	283	283				
L	1239	1312	1312	1362				
LS	1428	1517	1517	1567				
LB	583	656	656	706				
LBS	772	861	861	911				

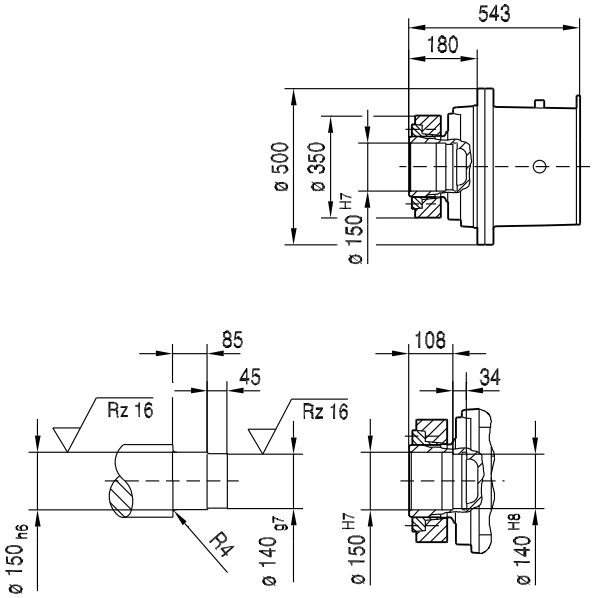
21216193/EN – 11/2014

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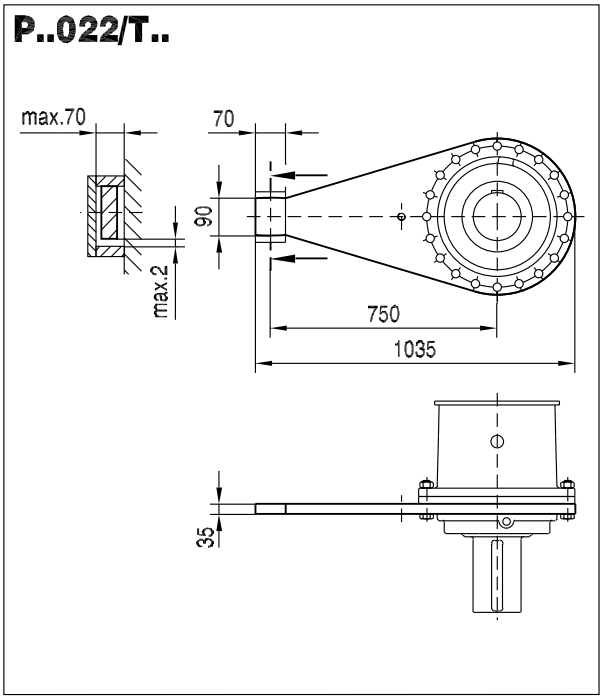
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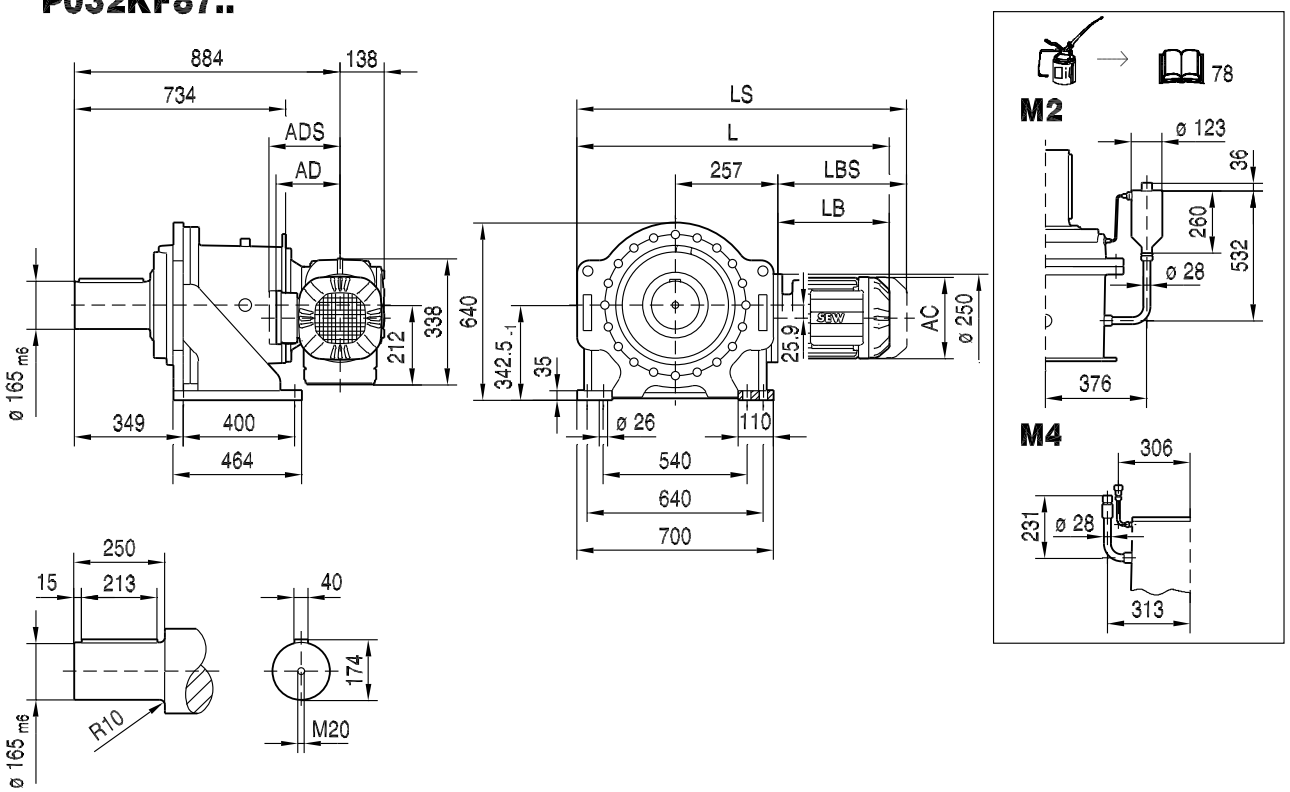


(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC				
AC	316	394	394	394				
AD	253	283	283	283				
ADS	253	283	283	283				
L	1174	1247	1247	1297				
LS	1363	1452	1452	1502				
LB	583	656	656	706				
LBS	772	861	861	911				

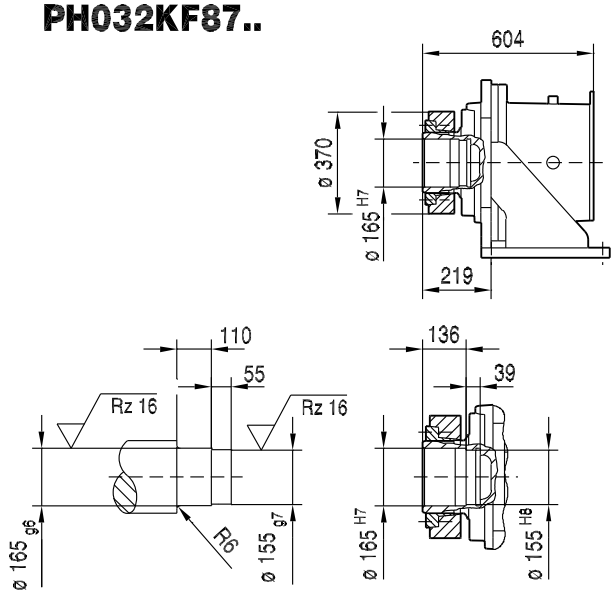
21216193/EN – 11/2014

P032KF87..

45 070 02 08



PH032KF87..

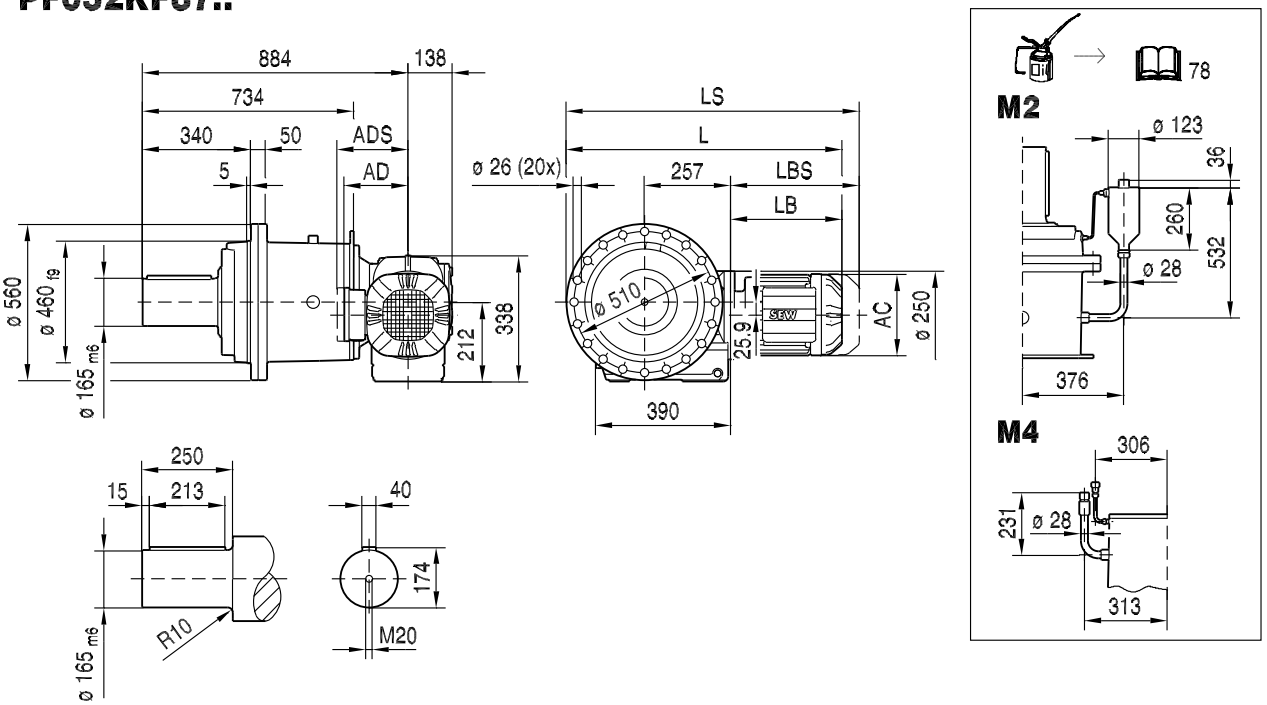


(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..		
AC	197	197	221	221	221	272		
AD	157	157	170	170	170	228		
ADS	158	158	172	172	172	228		
L	908	938	946	981	1031	1072		
LS	1001	1031	1058	1093	1143	1209		
LB	301	331	339	374	424	465		
LBS	394	424	451	486	536	602		

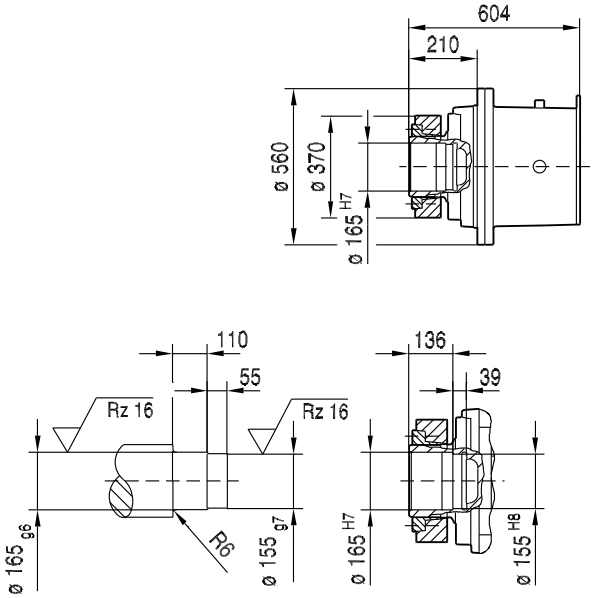
21216193/EN – 11/2014

PF032KF87..

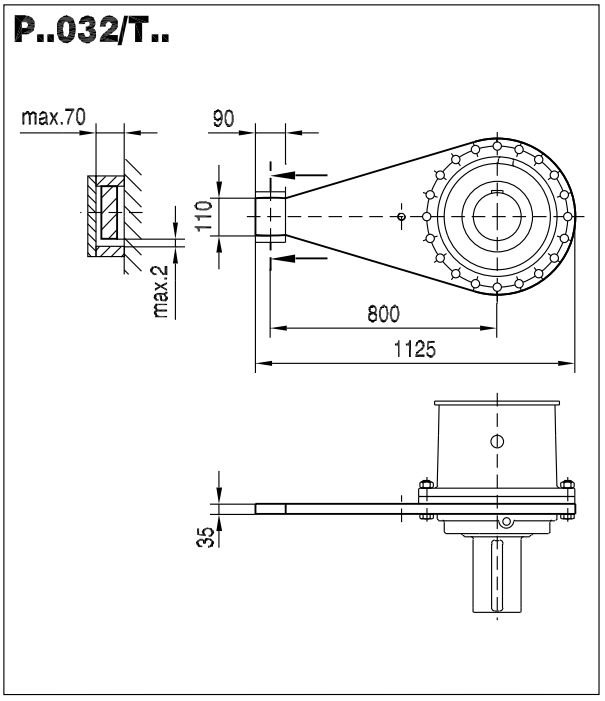
45 098 02 08



PHF032KF87..



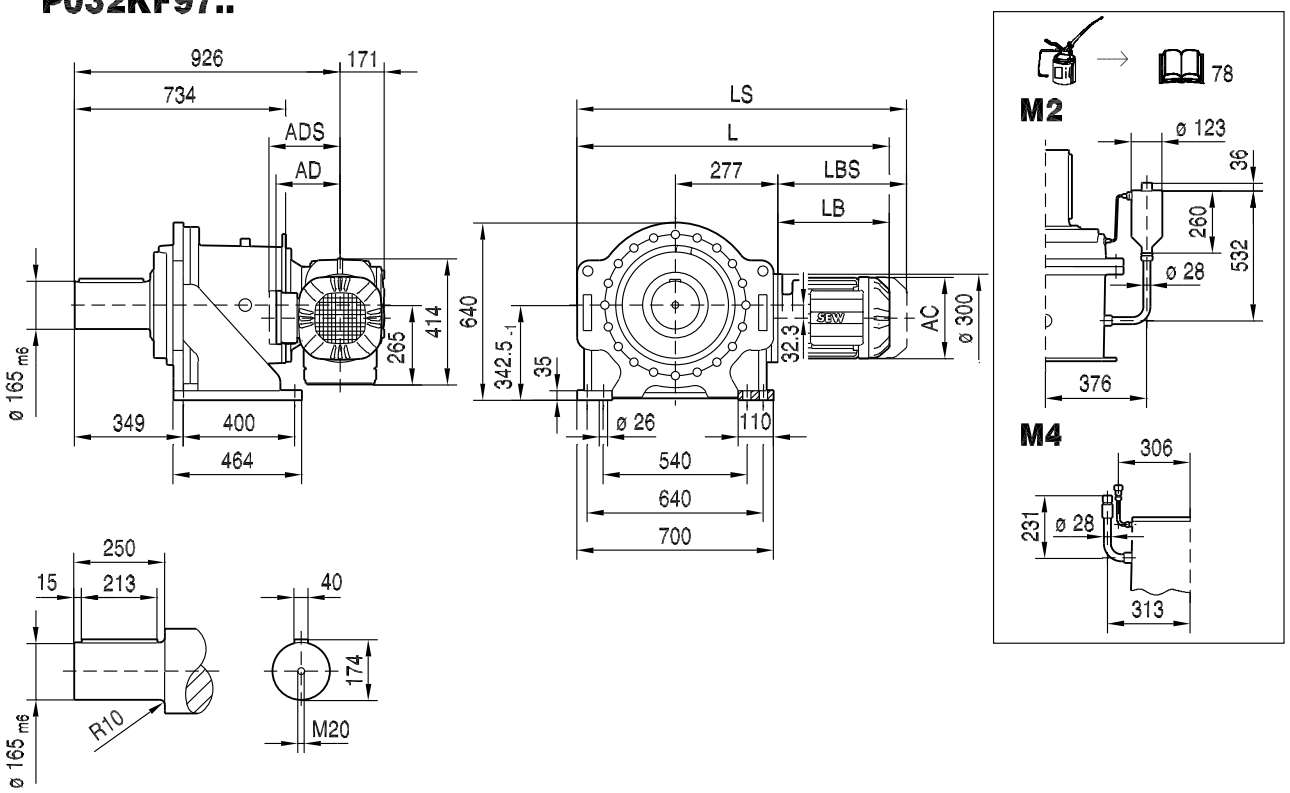
P..032/T..



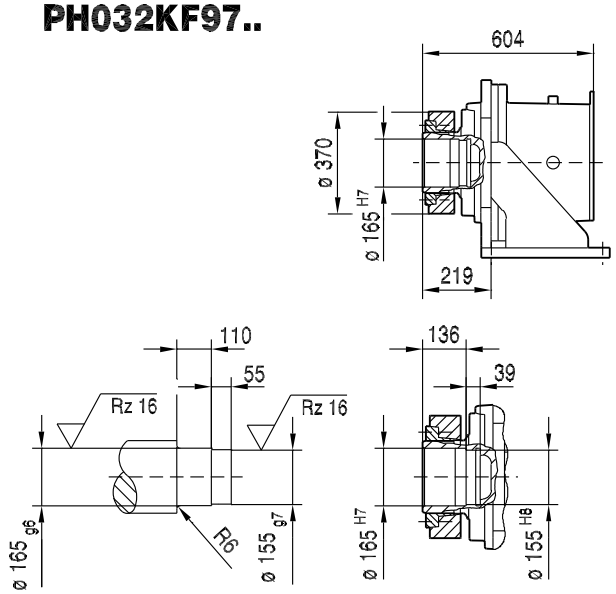
(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..		
AC	197	197	221	221	221	272		
AD	157	157	170	170	170	228		
ADS	158	158	172	172	172	228		
L	838	868	876	911	961	1002		
LS	931	961	988	1023	1073	1139		
LB	301	331	339	374	424	465		
LBS	394	424	451	486	536	602		

P032KF97..

45 071 02 08



PH032KF97..

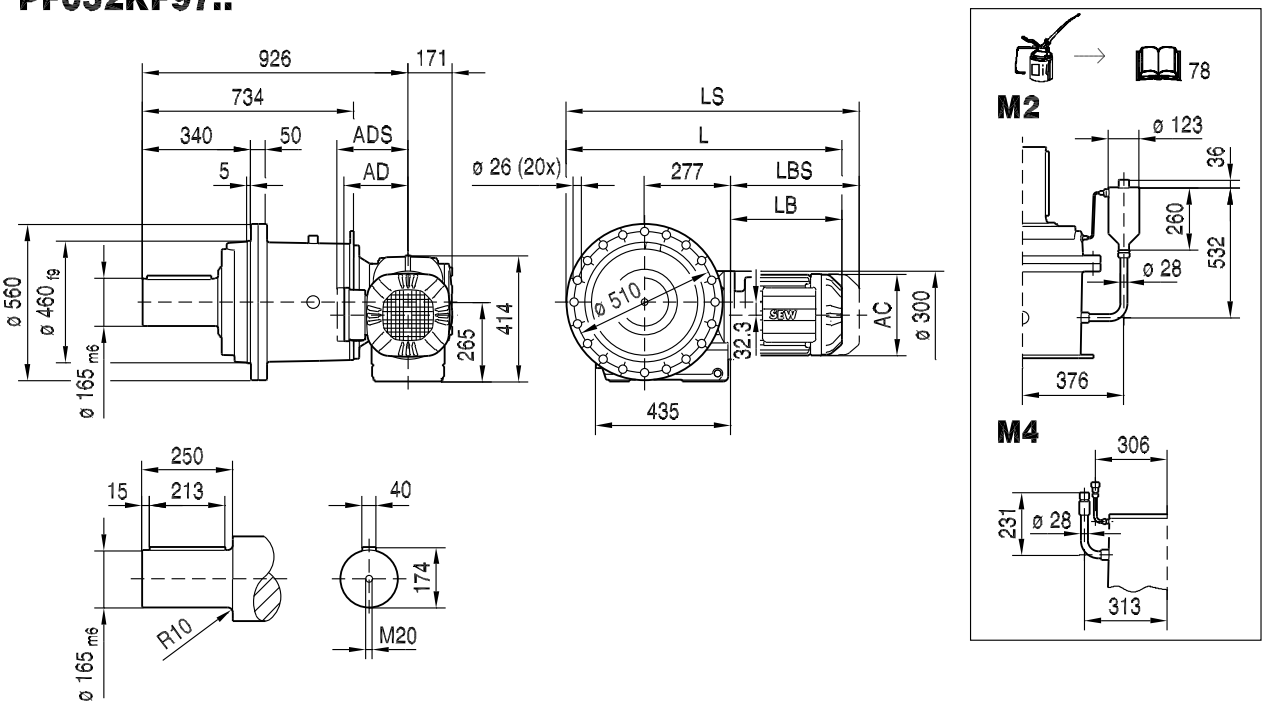


(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S
AC	197	197	221	221	221	272	316	316	394	394
AD	157	157	170	170	170	228	253	253	283	283
ADS	158	158	172	172	172	228	253	253	283	283
L	923	953	961	996	1046	1087	1156	1216	1289	1289
LS	1016	1046	1073	1108	1158	1224	1345	1405	1494	1494
LB	296	326	334	369	419	460	529	589	662	662
LBS	389	419	446	481	531	597	718	778	867	867

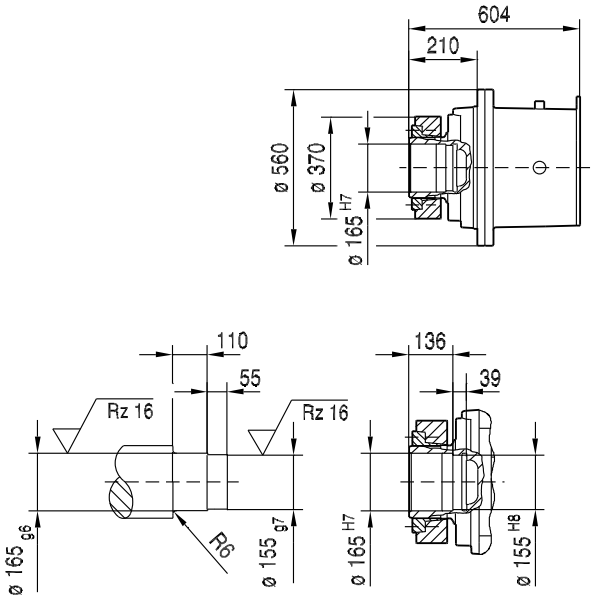
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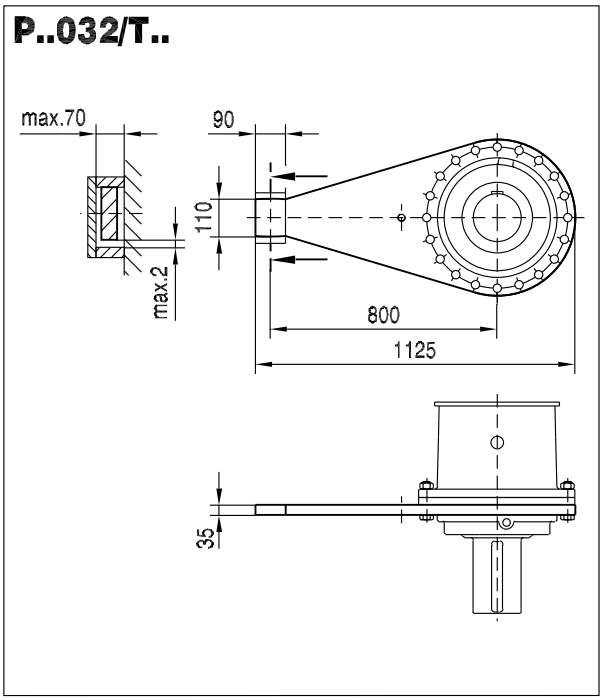
45 099 02 08



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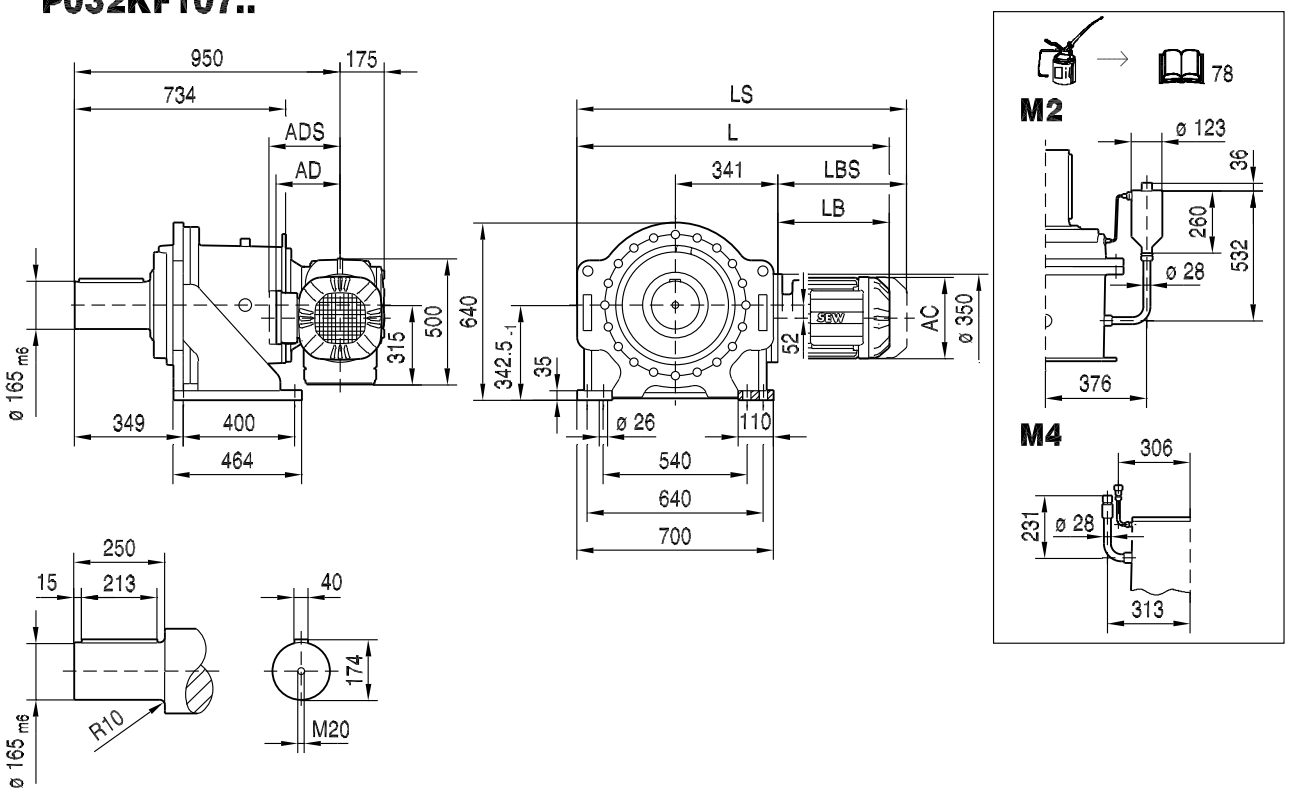
P..032/T..



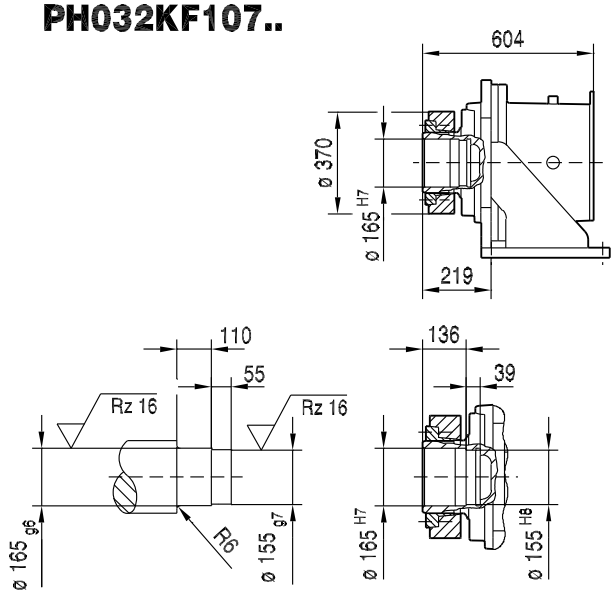
(→ 📄 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S
AC	197	197	221	221	221	272	316	316	394	394
AD	157	157	170	170	170	228	253	253	283	283
ADS	158	158	172	172	172	228	253	253	283	283
L	853	883	891	926	976	1017	1086	1146	1219	1219
LS	946	976	1003	1038	1088	1154	1275	1335	1424	1424
LB	296	326	334	369	419	460	529	589	662	662
LBS	389	419	446	481	531	597	718	778	867	867

P032KF107..

45 072 02 08



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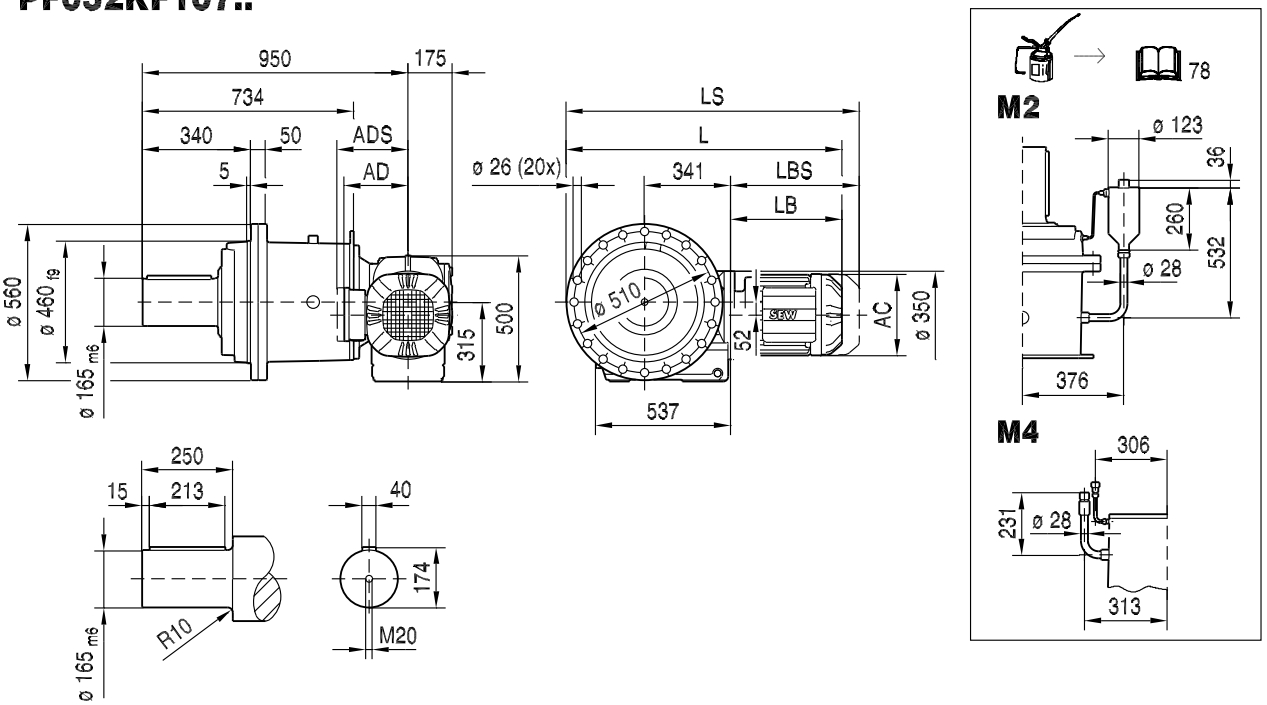


(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC				
AC	316	394	394	394				
AD	253	283	283	283				
ADS	253	283	283	283				
L	1274	1347	1347	1397				
LS	1463	1552	1552	1602				
LB	583	656	656	706				
LBS	772	861	861	911				

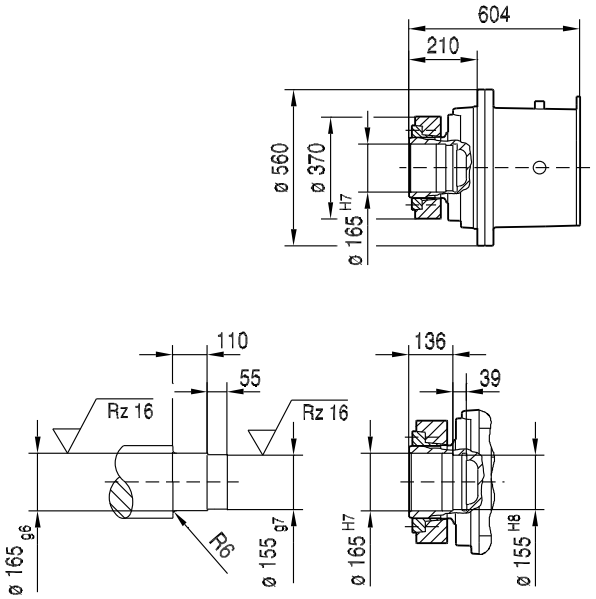
21216193/EN – 11/2014

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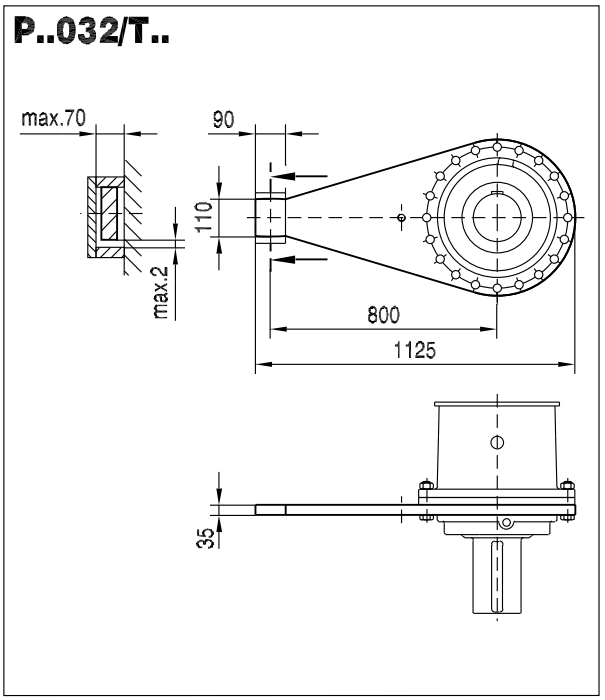
45 100 02 08



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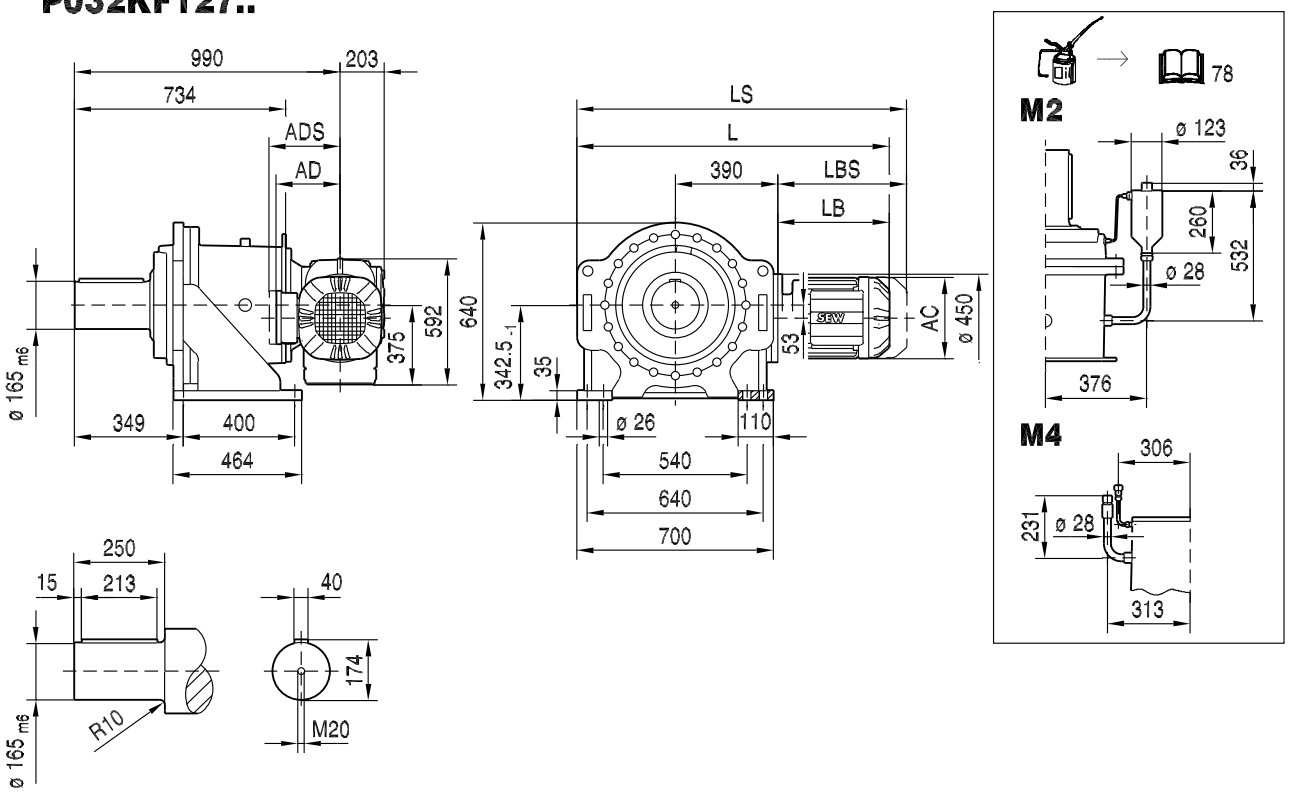
P..032/T..



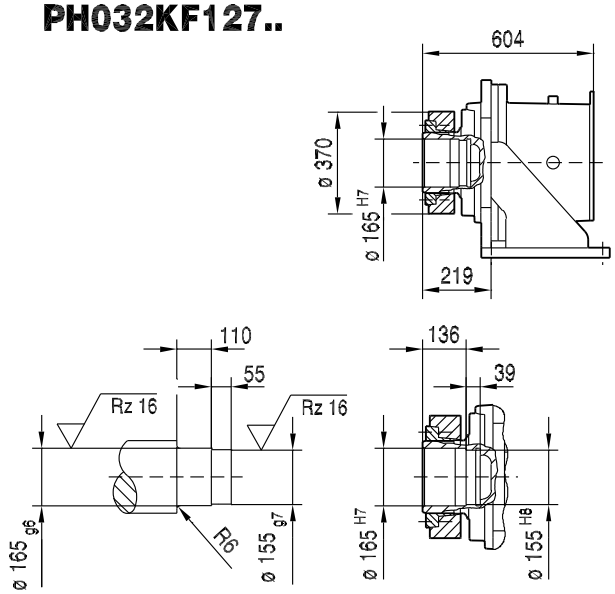
(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC				
AC	316	394	394	394				
AD	253	283	283	283				
ADS	253	283	283	283				
L	1204	1277	1277	1327				
LS	1393	1482	1482	1532				
LB	583	656	656	706				
LBS	772	861	861	911				

P032KF127..

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PH032KF127..

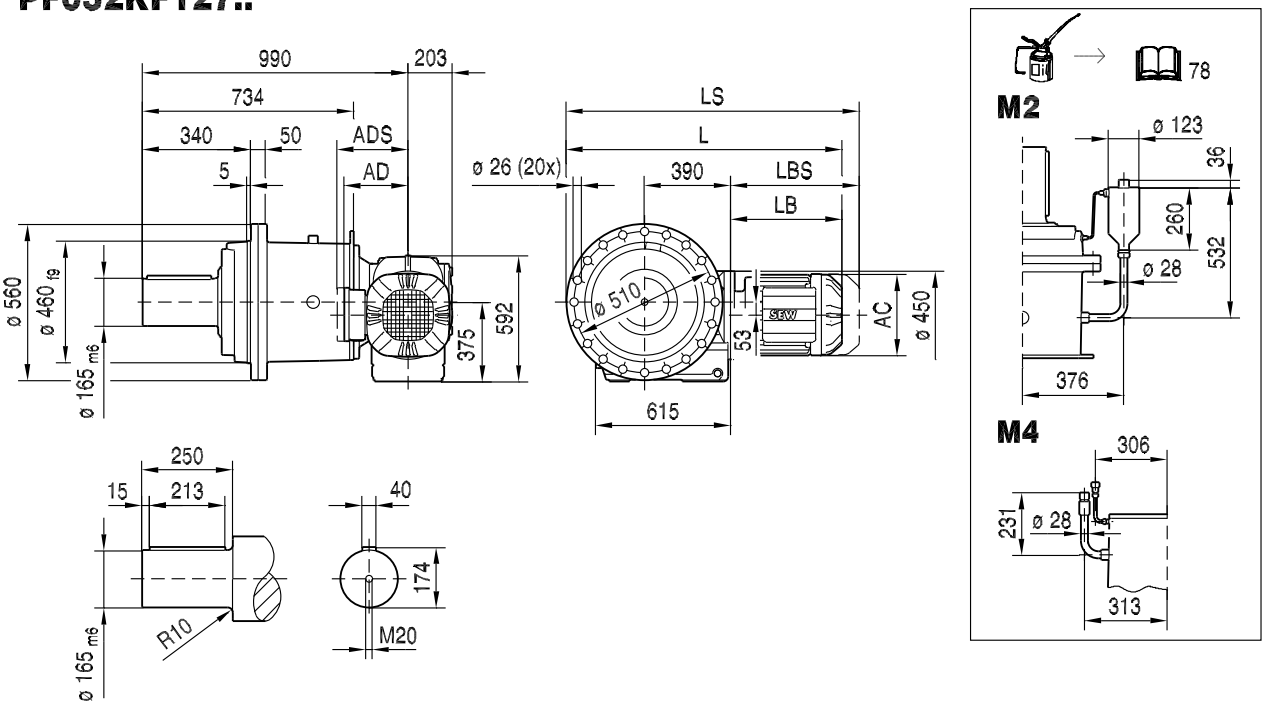


(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280		
AC	316	394	394	394	495	495		
AD	253	283	283	283	394	394		
ADS	253	283	283	283	394	394		
L	1308	1381	1381	1431	1492	1492		
LS	1497	1586	1586	1636	1732	1732		
LB	568	641	641	691	752	752		
LBS	757	846	846	896	992	992		

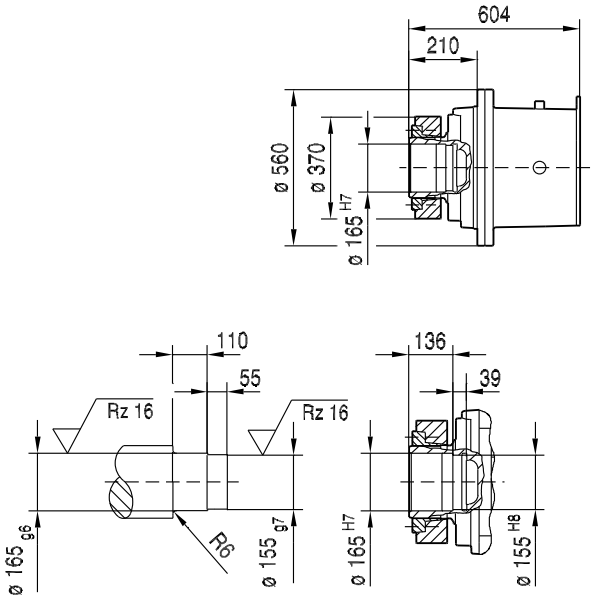
21216193/EN – 11/2014

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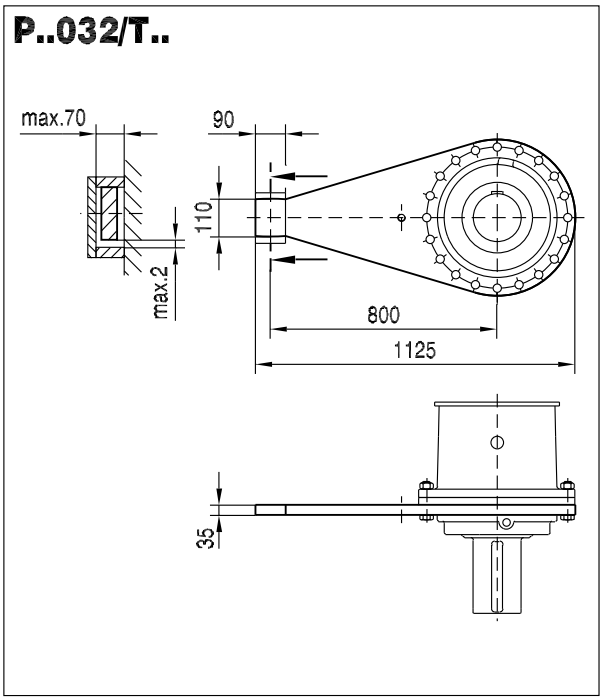
45 101 02 08



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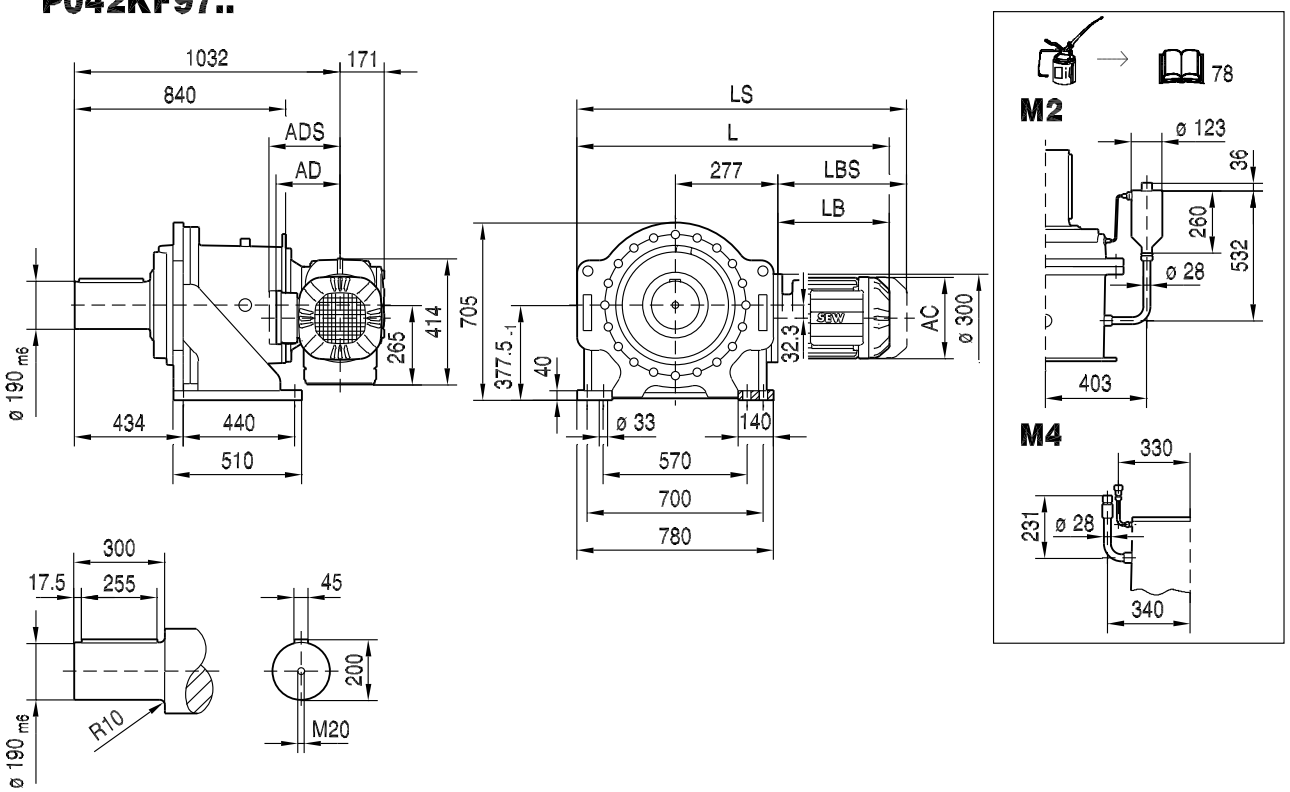
P..032/T..



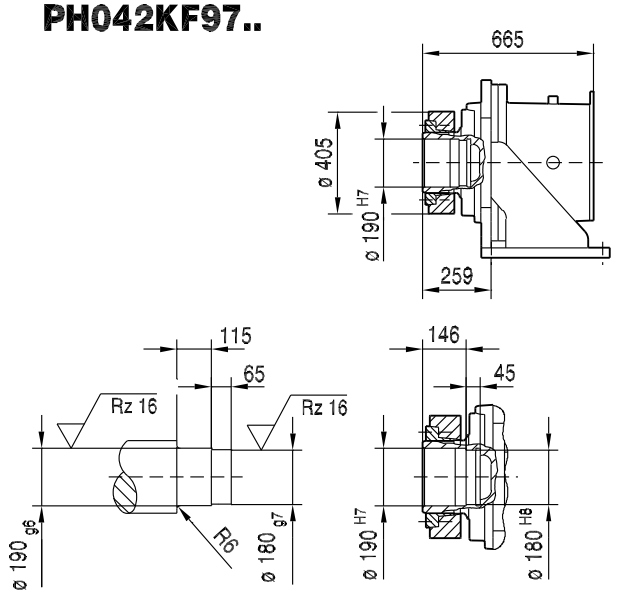
(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280		
AC	316	394	394	394	495	495		
AD	253	283	283	283	394	394		
ADS	253	283	283	283	394	394		
L	1238	1311	1311	1361	1422	1422		
LS	1427	1516	1516	1566	1662	1662		
LB	568	641	641	691	752	752		
LBS	757	846	846	896	992	992		

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45 074 02 08



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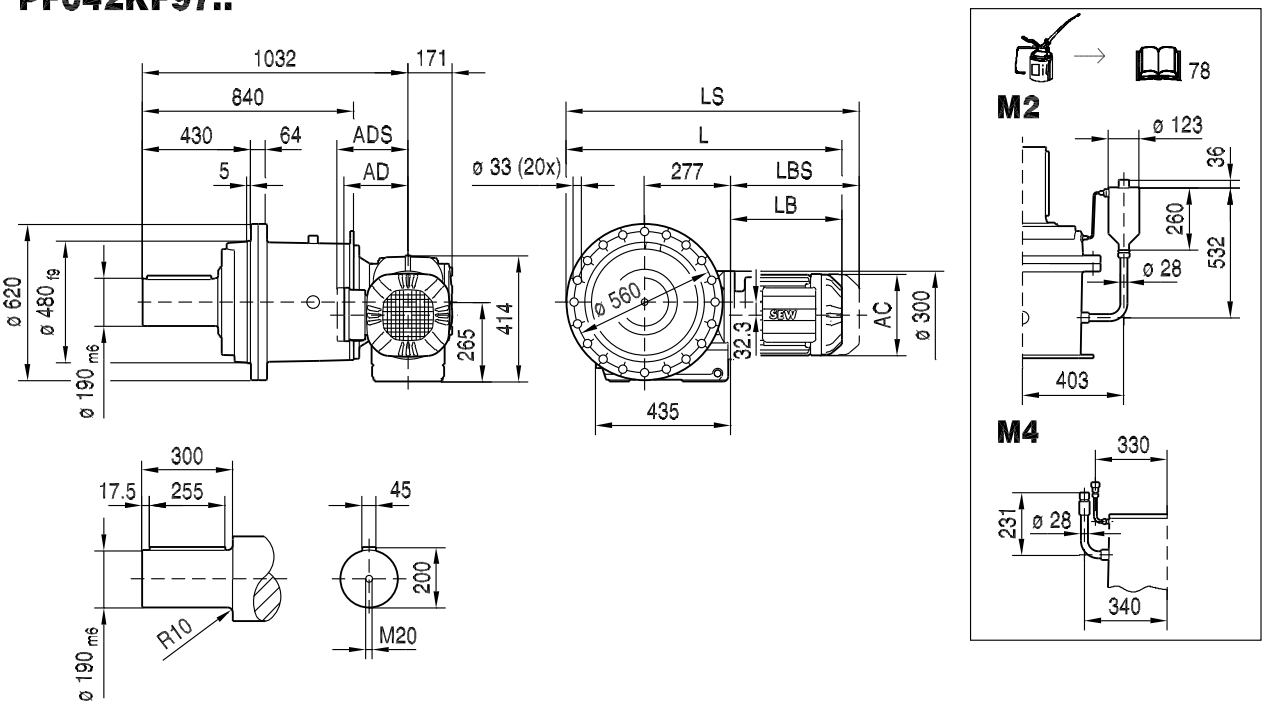


(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200
AC	197	197	221	221	221	272	316	316	394
AD	157	157	170	170	170	228	253	253	283
ADS	158	158	172	172	172	228	253	253	283
L	963	993	1001	1036	1086	1127	1196	1256	1329
LS	1056	1086	1113	1148	1198	1264	1385	1445	1534
LB	296	326	334	369	419	460	529	589	662
LBS	389	419	446	481	531	597	718	778	867

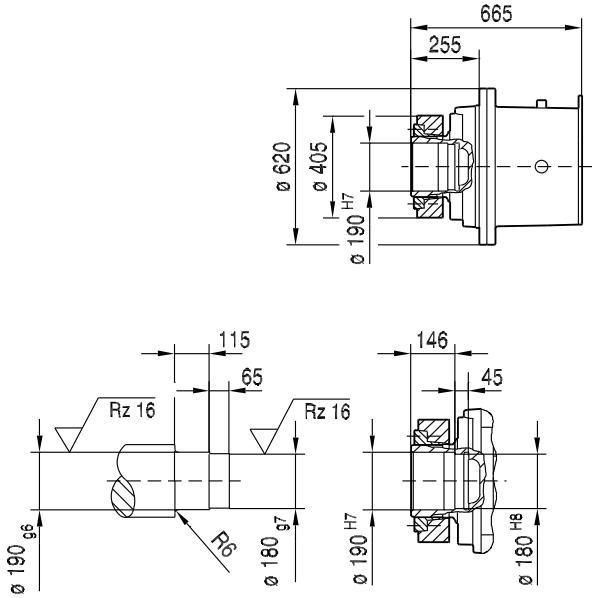
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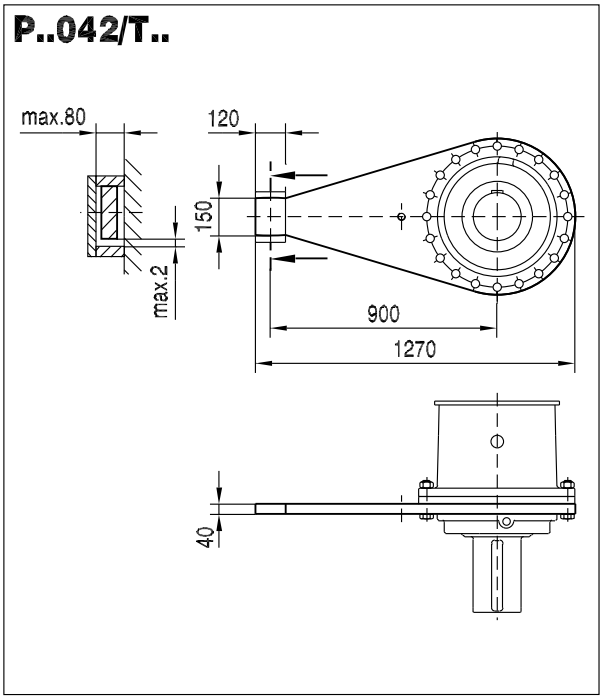
45 102 02 08



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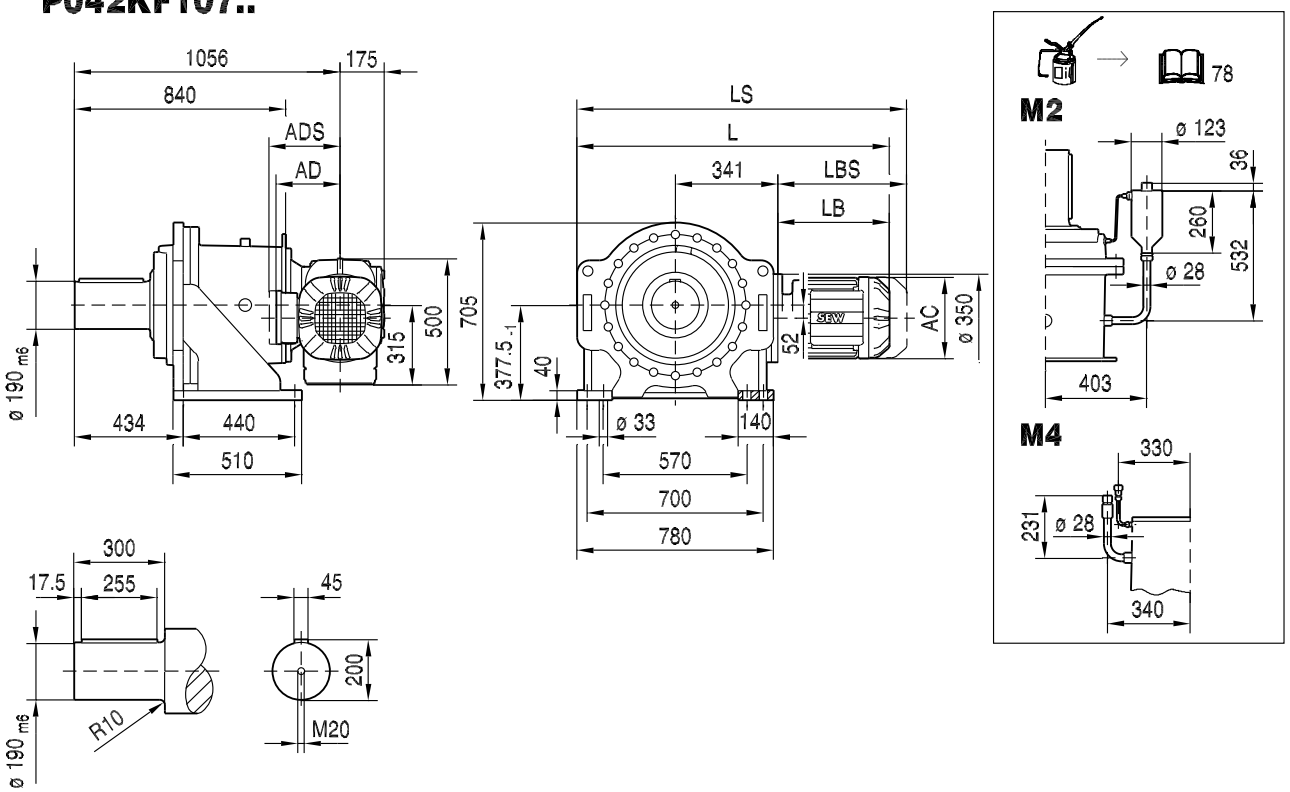
P..042/T..



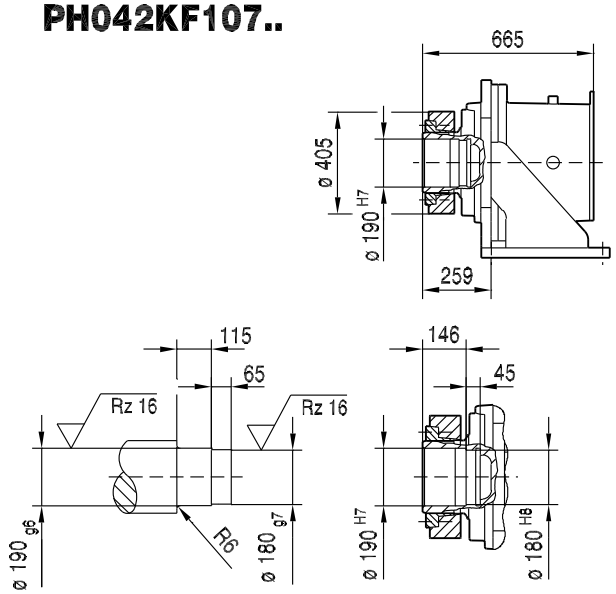
(→ 90)	DR100M	DR100L/LC	DR112M	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200
AC	197	197	221	221	221	272	316	316	394
AD	157	157	170	170	170	228	253	253	283
ADS	158	158	172	172	172	228	253	253	283
L	883	913	921	956	1006	1047	1116	1176	1249
LS	976	1006	1033	1068	1118	1184	1305	1365	1454
LB	296	326	334	369	419	460	529	589	662
LBS	389	419	446	481	531	597	718	778	867

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45 075 02 08



PH042KF107..

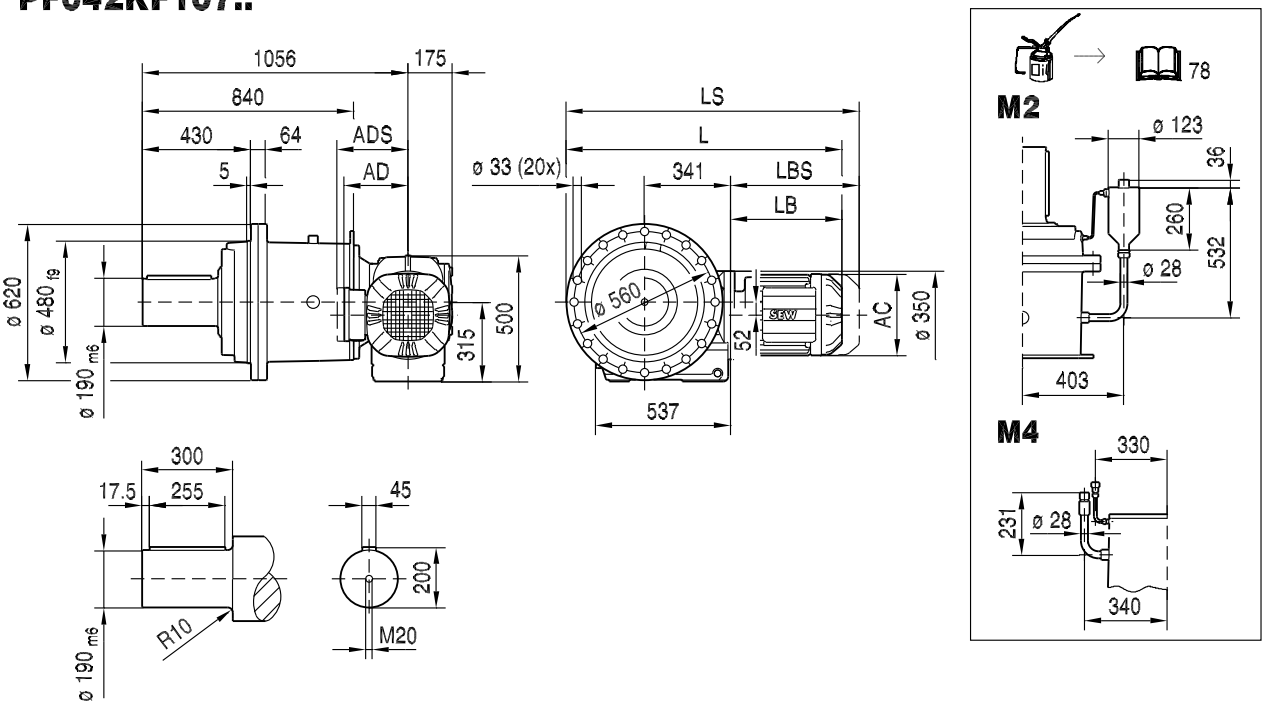


(→ 90)	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	272	316	316	394	394	394
AD	157	170	170	228	253	253	283	283	283
ADS	158	172	172	228	253	253	283	283	283
L	1051	1094	1144	1185	1254	1314	1387	1387	1437
LS	1144	1206	1256	1322	1443	1503	1592	1592	1642
LB	320	363	413	454	523	583	656	656	706
LBS	413	475	525	591	712	772	861	861	911

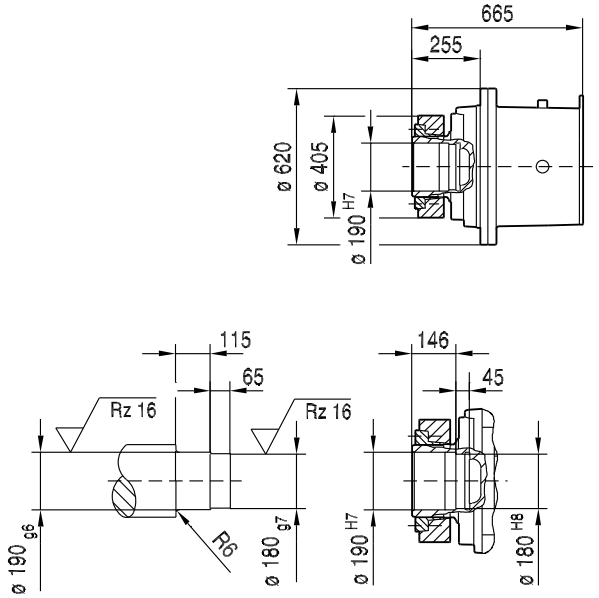
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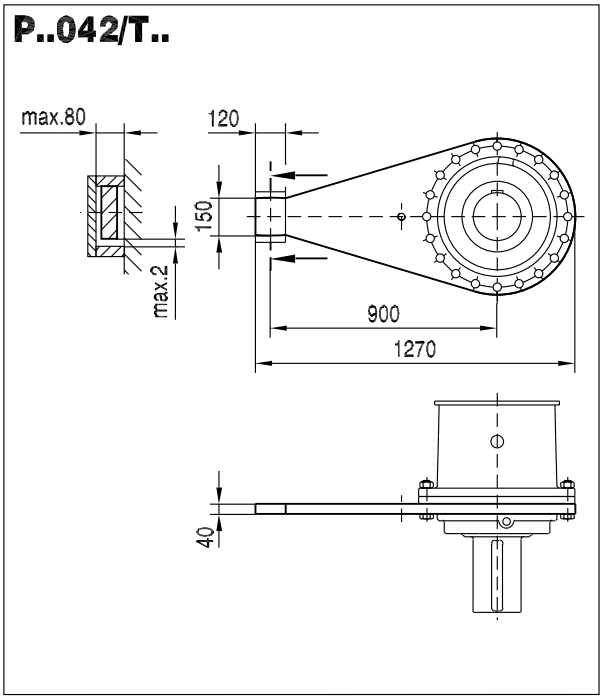
45 103 02 08



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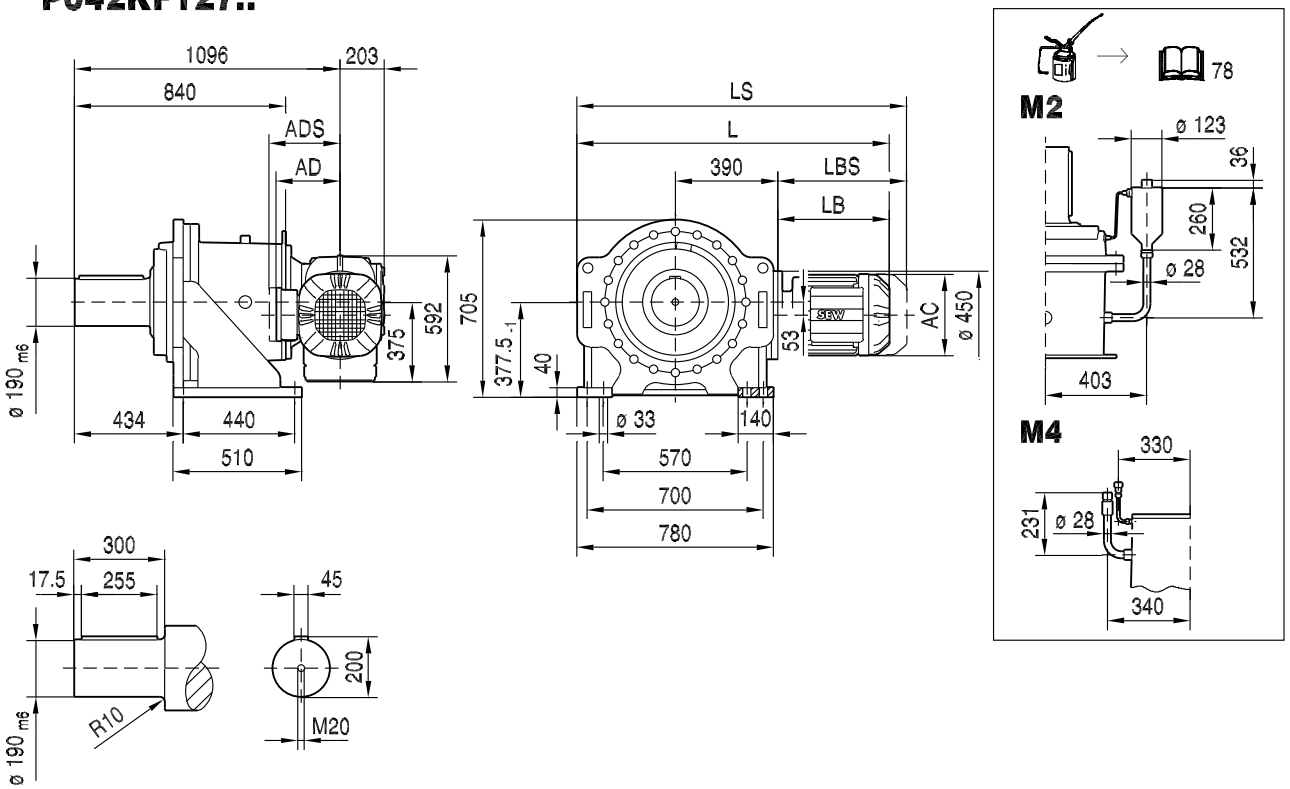


(→ 📄 90)	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	272	316	316	394	394	394
AD	157	170	170	228	253	253	283	283	283
ADS	158	172	172	228	253	253	283	283	283
L	971	1014	1064	1105	1174	1234	1307	1307	1357
LS	1064	1126	1176	1242	1363	1423	1512	1512	1562
LB	320	363	413	454	523	583	656	656	706
LBS	413	475	525	591	712	772	861	861	911

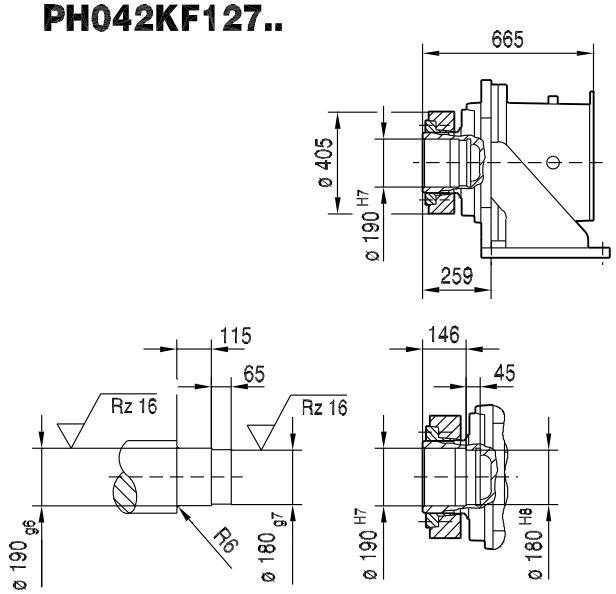
21216193/EN – 11/2014

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45 076 02 08



PH042KF127..

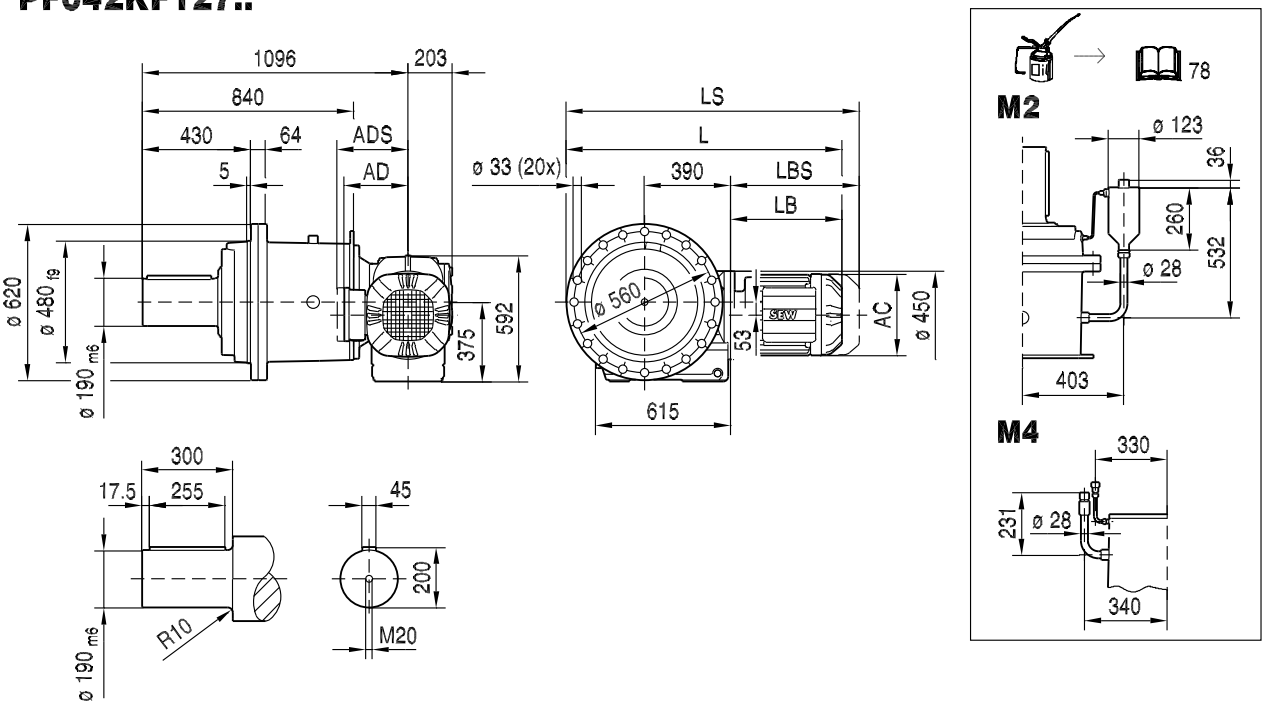


(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280		
AC	316	394	394	394	495	495		
AD	253	283	283	283	394	394		
ADS	253	283	283	283	394	394		
L	1348	1421	1421	1471	1532	1532		
LS	1537	1626	1626	1676	1772	1772		
LB	568	641	641	691	752	752		
LBS	757	846	846	896	992	992		

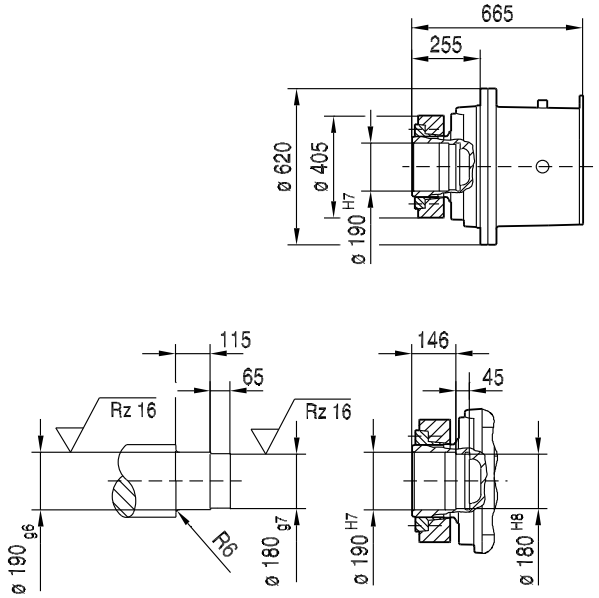
21216193/EN – 11/2014

PF042KF127..

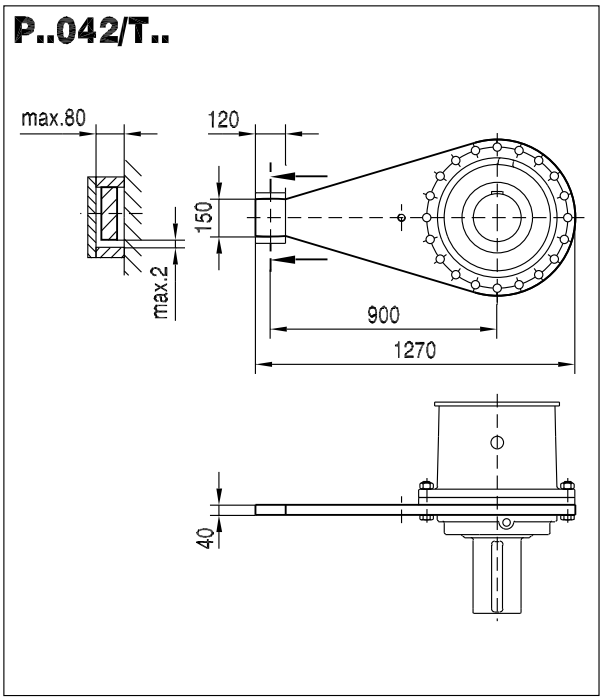
45 104 02 08



PHF042KF127..



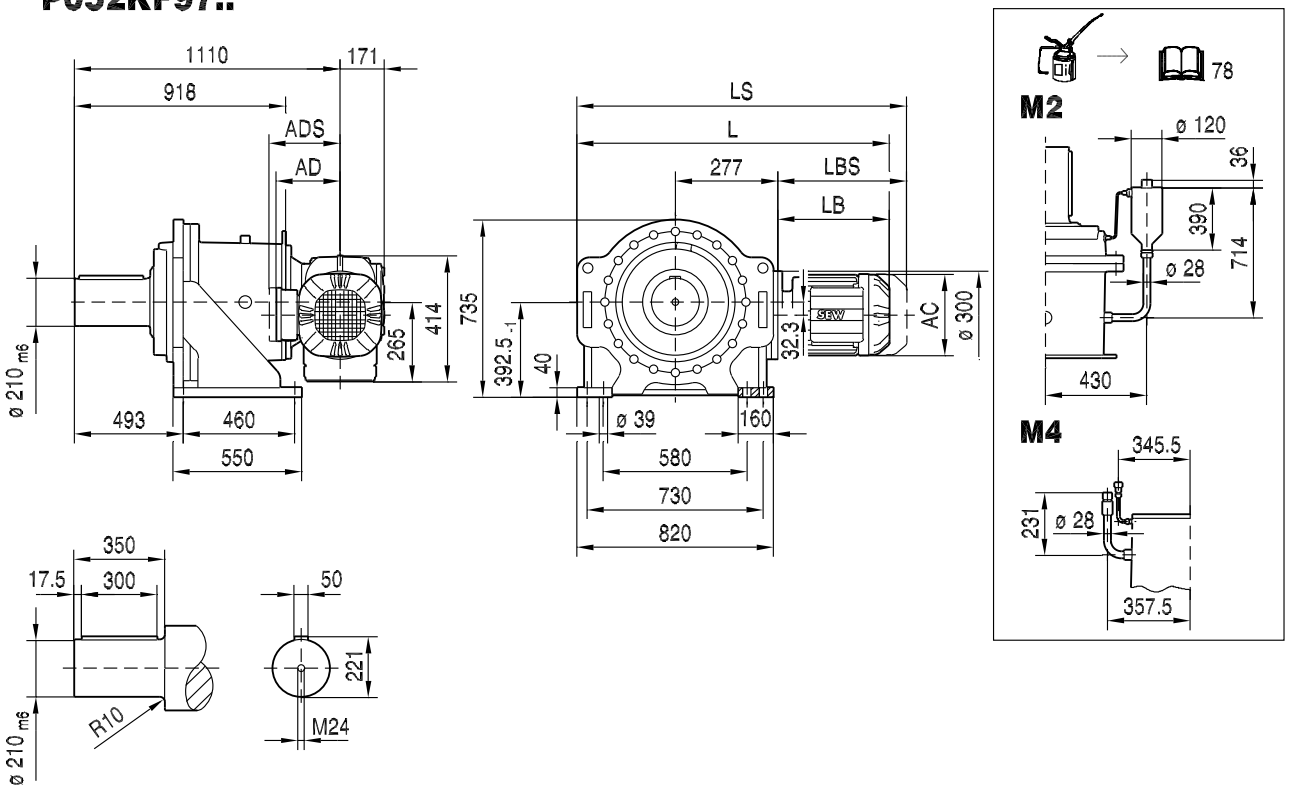
P..042/T..



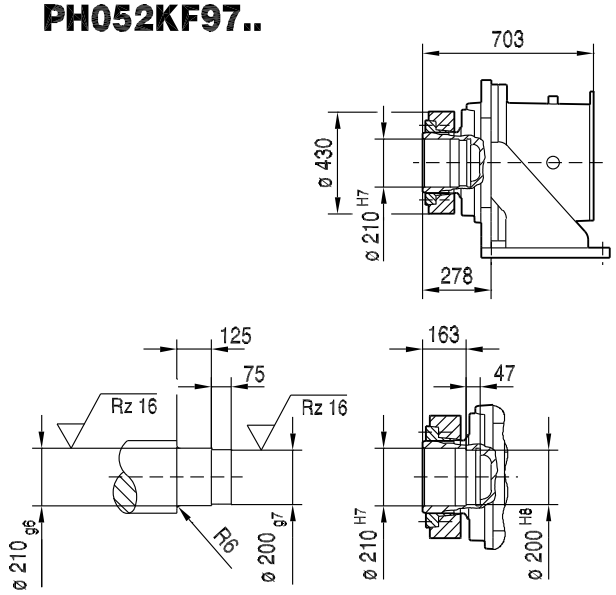
(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280		
AC	316	394	394	394	495	495		
AD	253	283	283	283	394	394		
ADS	253	283	283	283	394	394		
L	1268	1341	1341	1391	1452	1452		
LS	1457	1546	1546	1596	1692	1692		
LB	568	641	641	691	752	752		
LBS	757	846	846	896	992	992		

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45 077 02 08



PH052KF97..

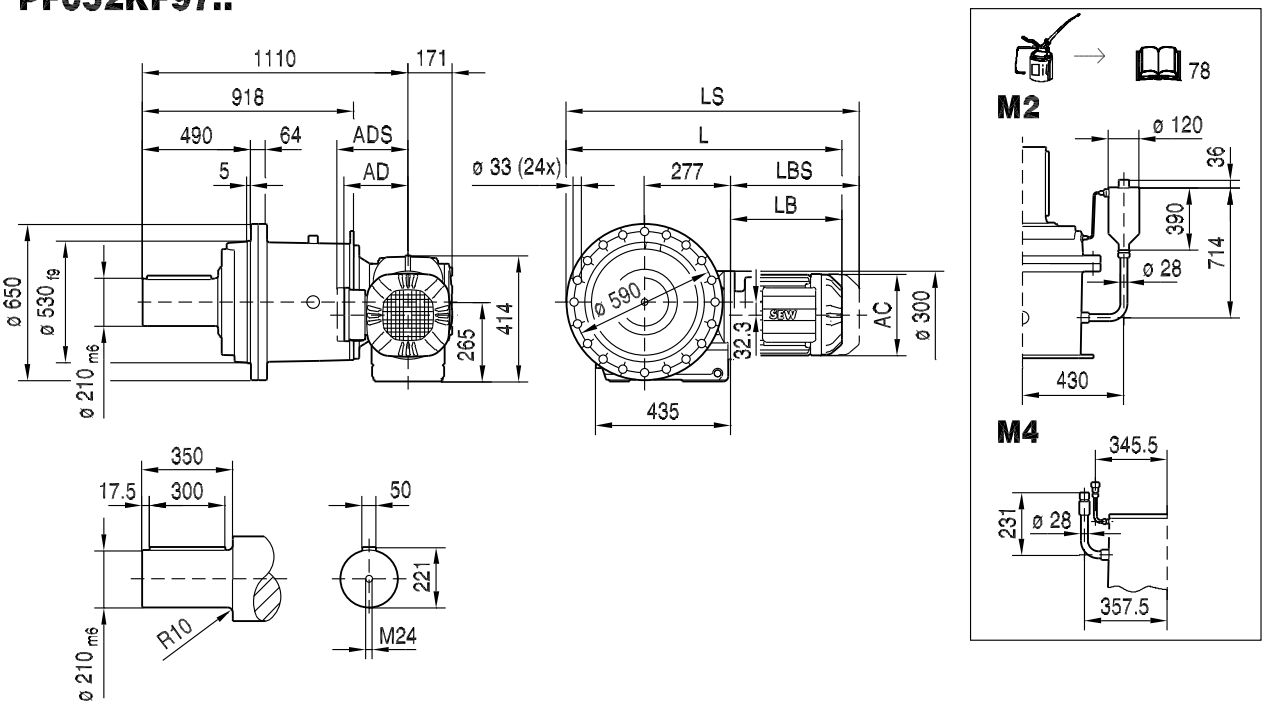


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200			
AC	221	272	316	316	394			
AD	170	228	253	253	283			
ADS	172	228	253	253	283			
L	1106	1147	1216	1276	1349			
LS	1218	1284	1405	1465	1554			
LB	419	460	529	589	662			
LBS	531	597	718	778	867			

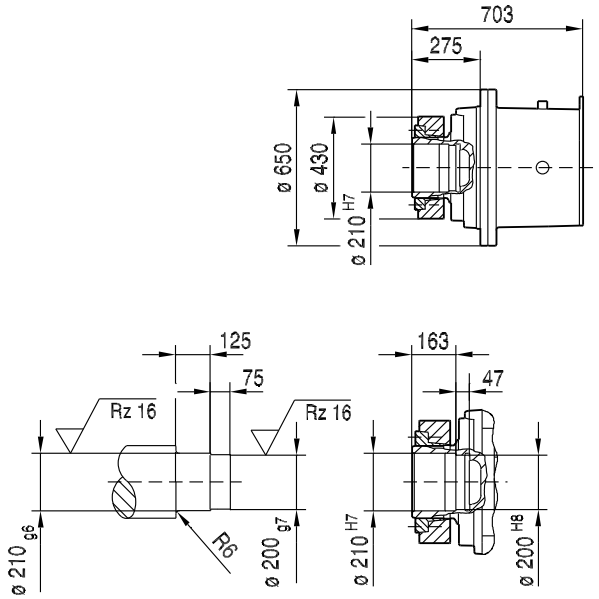
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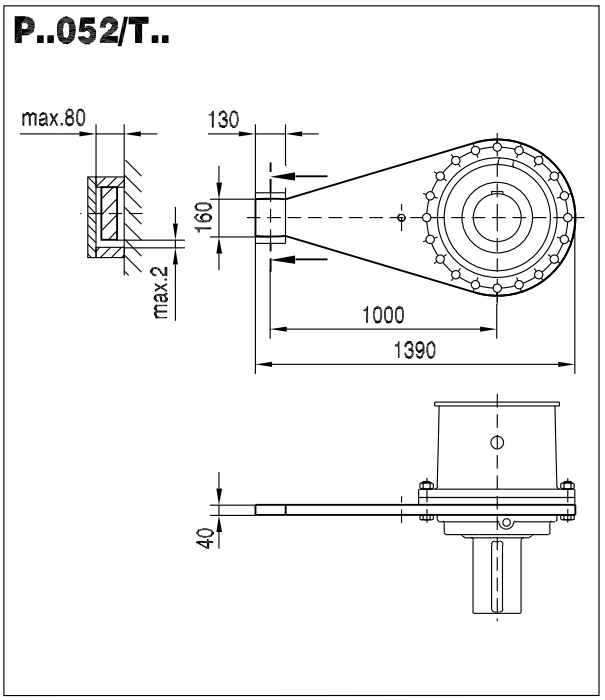
45 105 02 08



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P..052/T..

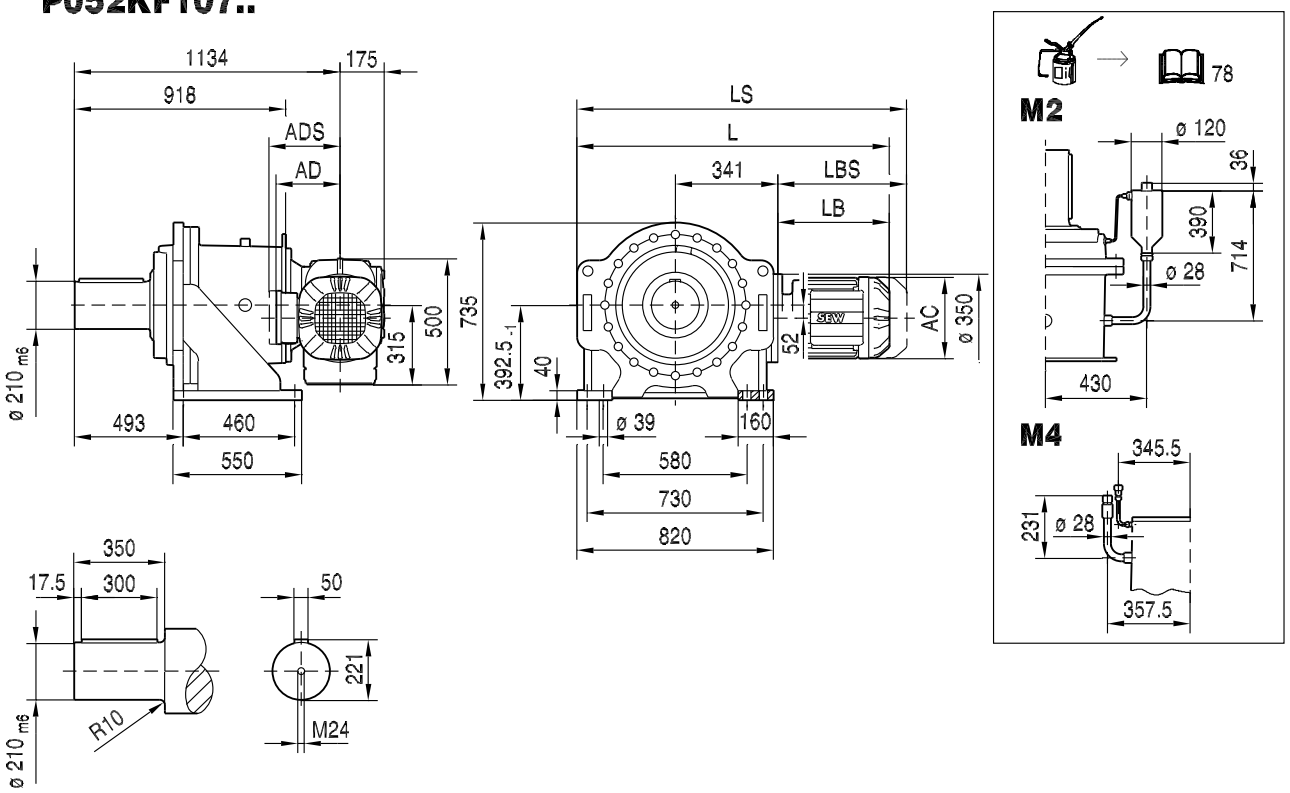


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200			
AC	221	272	316	316	394			
AD	170	228	253	253	283			
ADS	172	228	253	253	283			
L	1021	1062	1131	1191	1264			
LS	1133	1199	1320	1380	1469			
LB	419	460	529	589	662			
LBS	531	597	718	778	867			

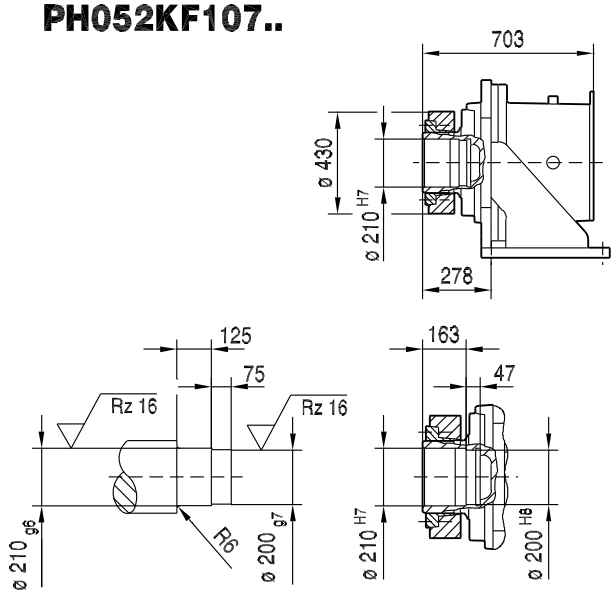
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45 078 02 08



PH052KF107..

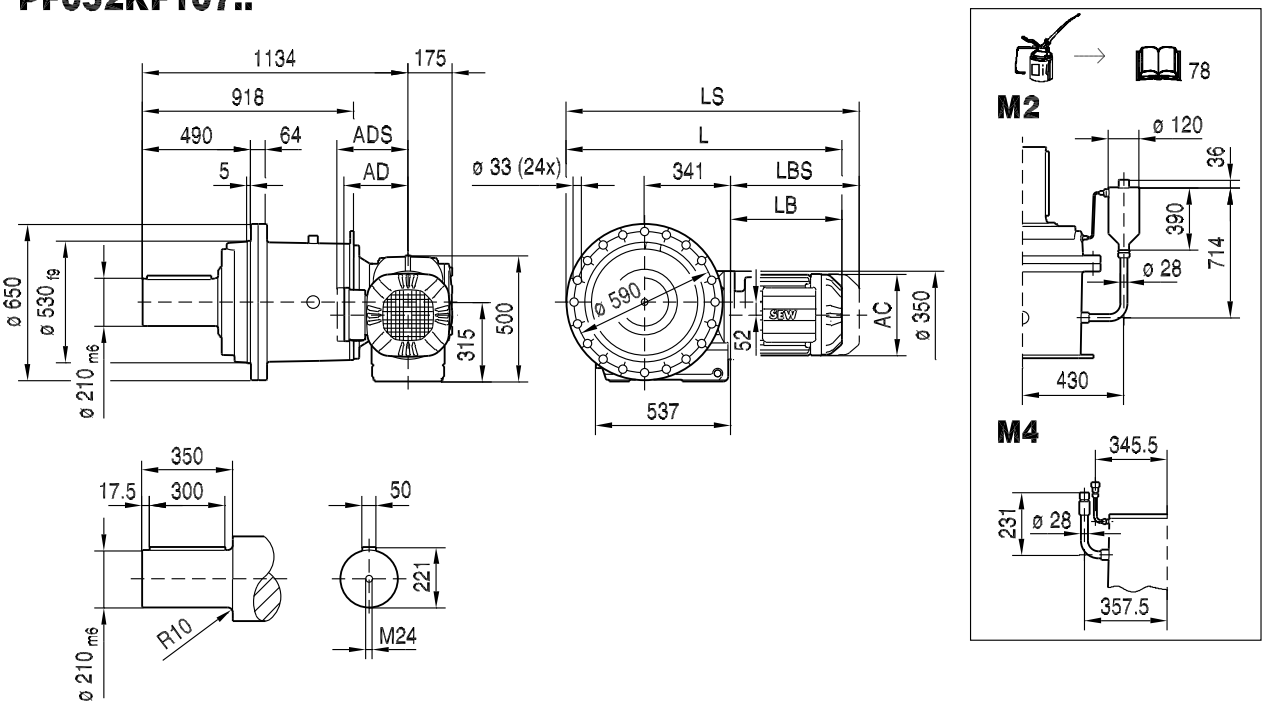


(→ 📄 90)	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	272	316	316	394	394	394
AD	157	170	170	228	253	253	283	283	283
ADS	158	172	172	228	253	253	283	283	283
L	1071	1114	1164	1205	1274	1334	1407	1407	1457
LS	1164	1226	1276	1342	1463	1523	1612	1612	1662
LB	320	363	413	454	523	583	656	656	706
LBS	413	475	525	591	712	772	861	861	911

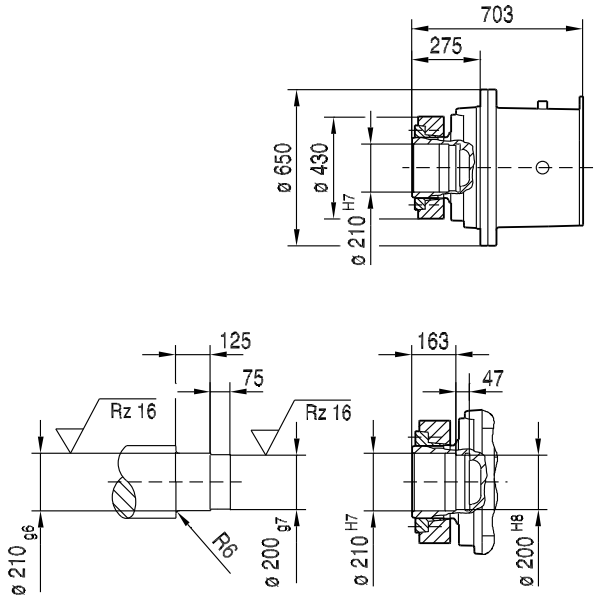
21216193/EN – 11/2014

PF052KF107..

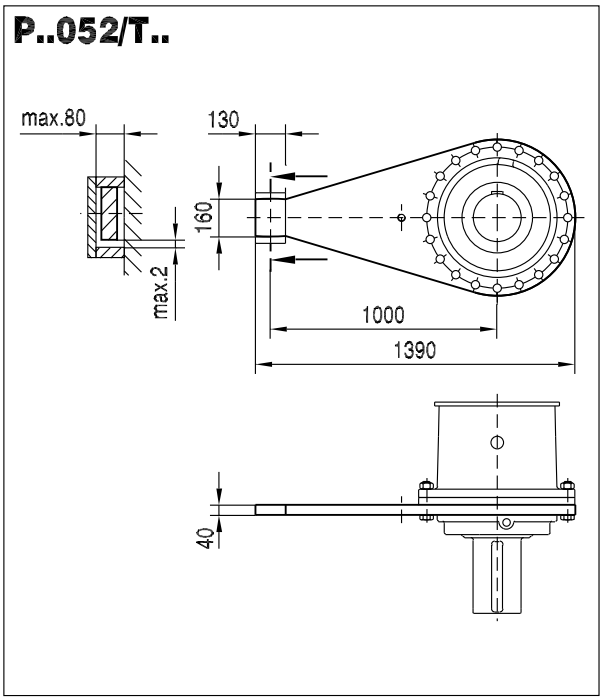
45 106 02 08



PHF052KF107..



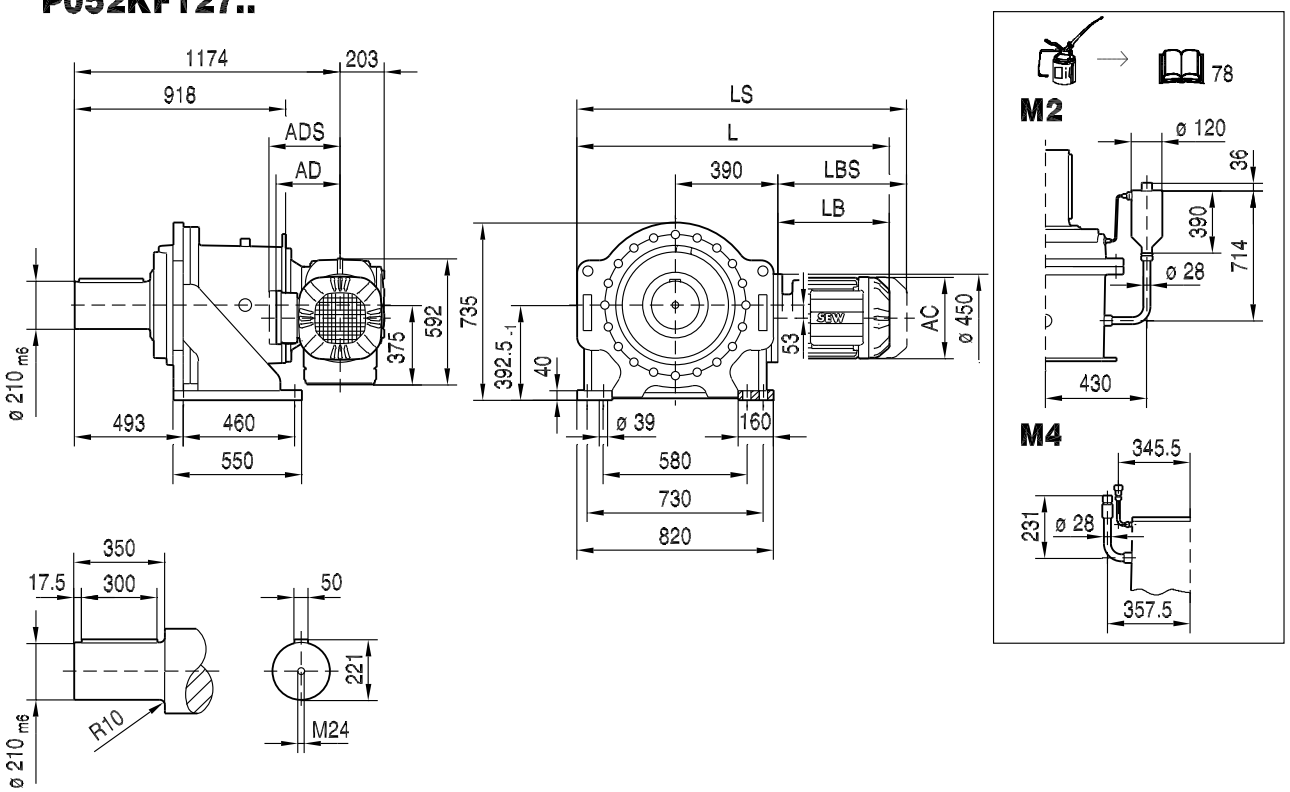
P..052/T..



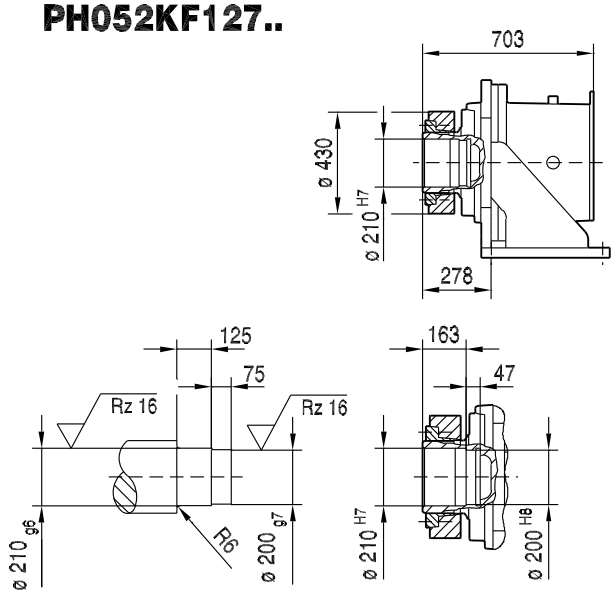
(→ 90)	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC
AC	197	221	221	272	316	316	394	394	394
AD	157	170	170	228	253	253	283	283	283
ADS	158	172	172	228	253	253	283	283	283
L	986	1029	1079	1120	1189	1249	1322	1322	1372
LS	1079	1141	1191	1257	1378	1438	1527	1527	1577
LB	320	363	413	454	523	583	656	656	706
LBS	413	475	525	591	712	772	861	861	911

P052KF127..

45 079 02 08



PH052KF127..

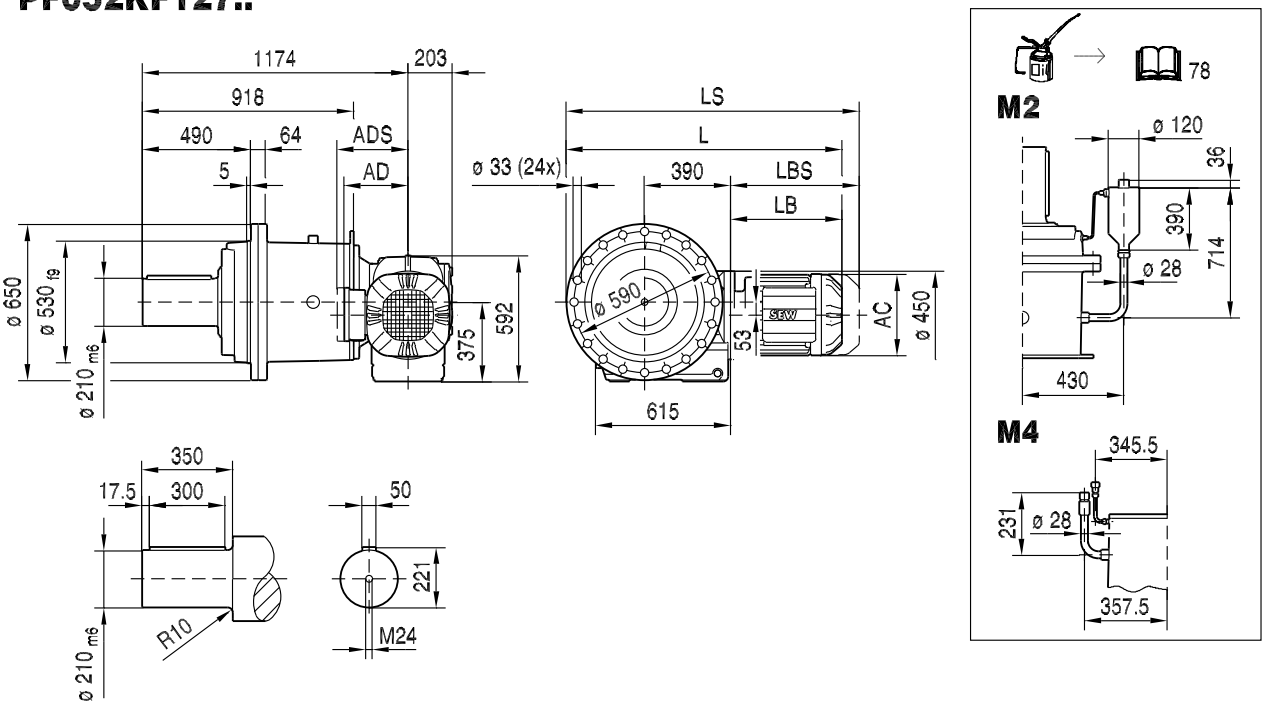


(→ 90)	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280		
AC	316	394	394	394	495	495		
AD	253	283	283	283	394	394		
ADS	253	283	283	283	394	394		
L	1368	1441	1441	1491	1552	1552		
LS	1557	1646	1646	1696	1792	1792		
LB	568	641	641	691	752	752		
LBS	757	846	846	896	992	992		

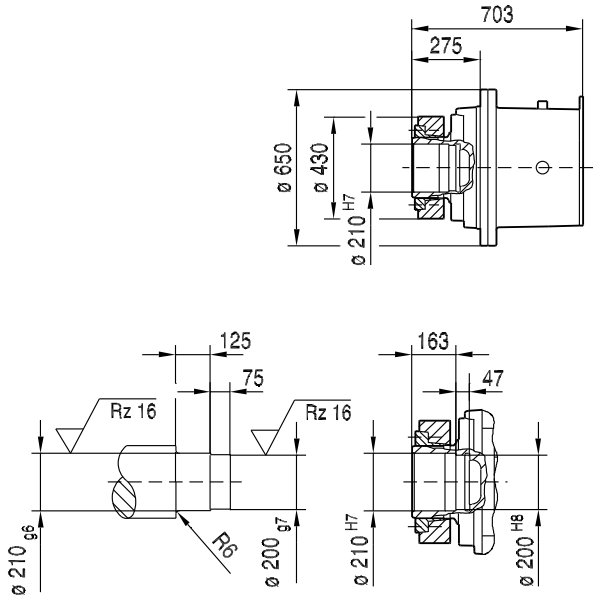
21216193/EN – 11/2014

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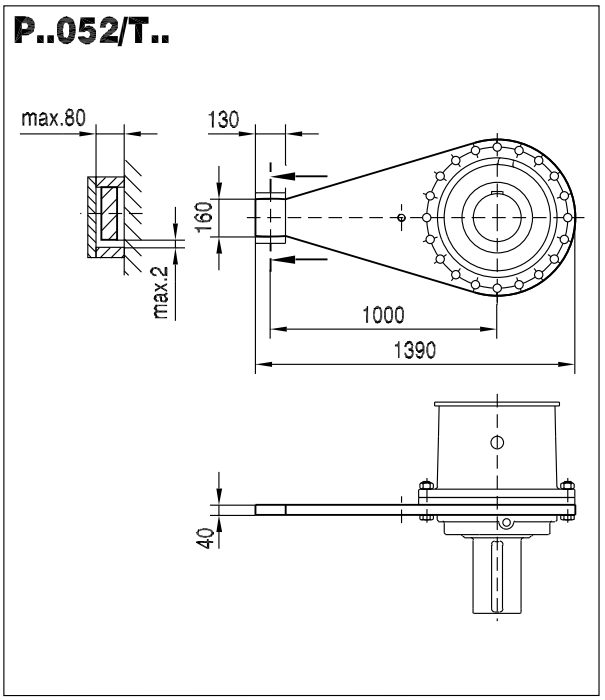
45 107 02 08



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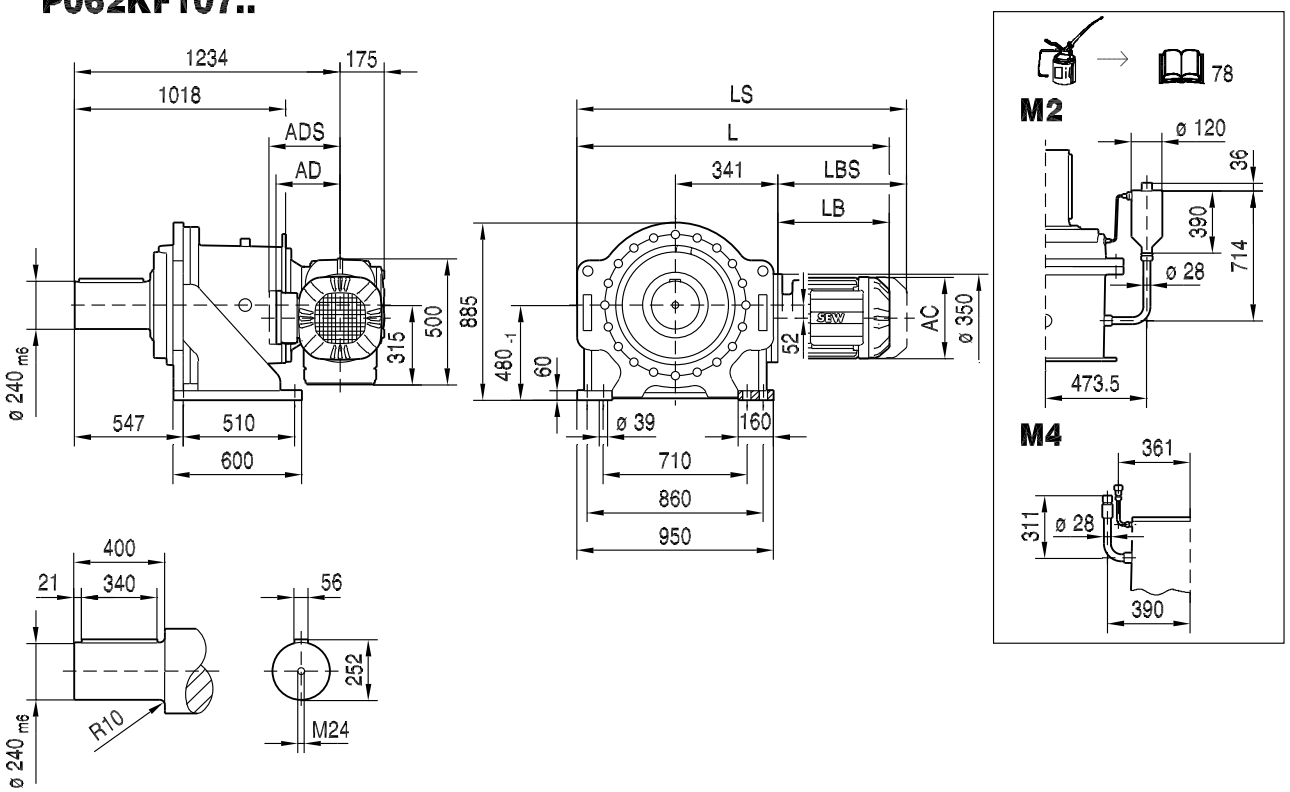
P..052/T..



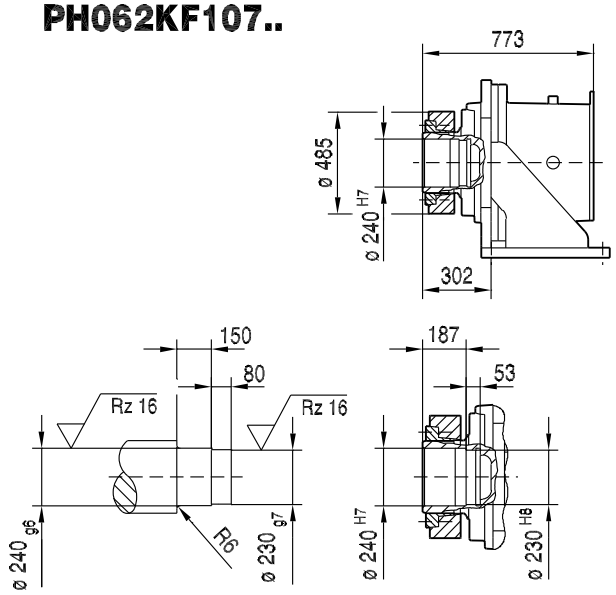
(→ 📄 90)	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280		
AC	316	394	394	394	495	495		
AD	253	283	283	283	394	394		
ADS	253	283	283	283	394	394		
L	1283	1356	1356	1406	1467	1467		
LS	1472	1561	1561	1611	1707	1707		
LB	568	641	641	691	752	752		
LBS	757	846	846	896	992	992		

P062KF107..

45 081 02 08



PH062KF107..

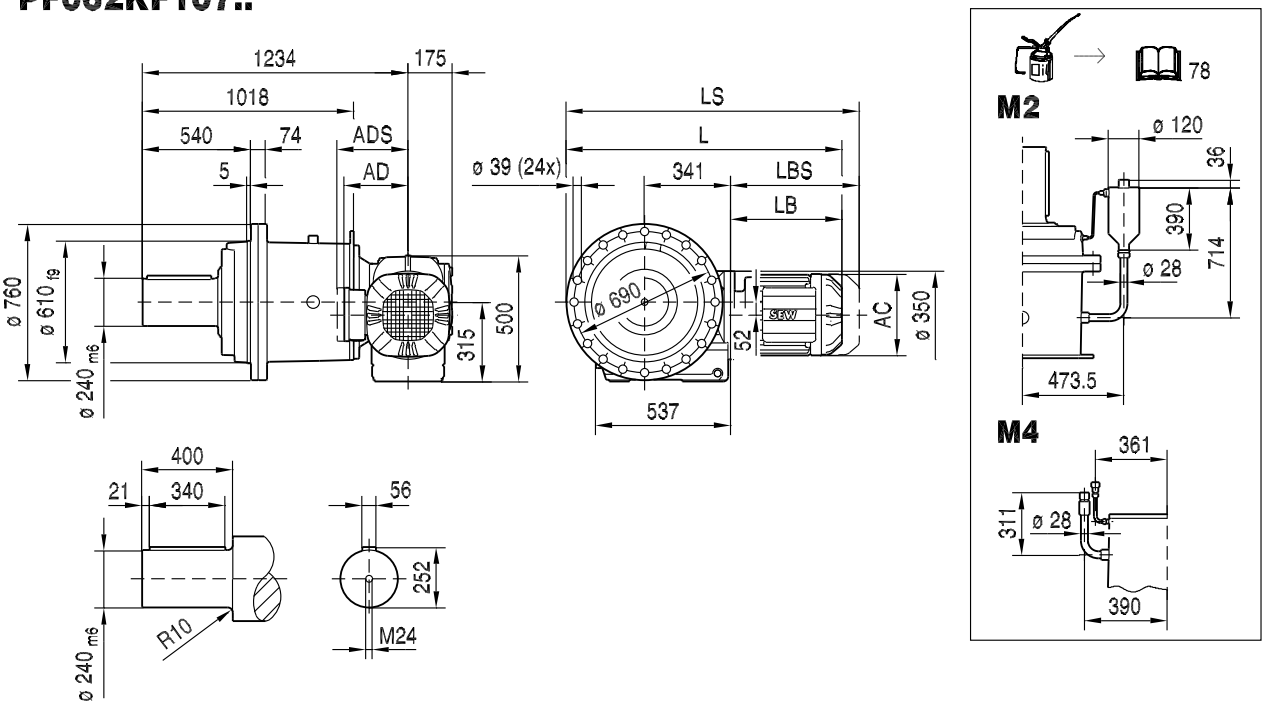


(→ 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	
AC	221	221	272	316	316	394	394	
AD	170	170	228	253	253	283	283	
ADS	172	172	228	253	253	283	283	
L	1179	1229	1270	1339	1399	1472	1472	
LS	1291	1341	1407	1528	1588	1677	1677	
LB	363	413	454	523	583	656	656	
LBS	475	525	591	712	772	861	861	

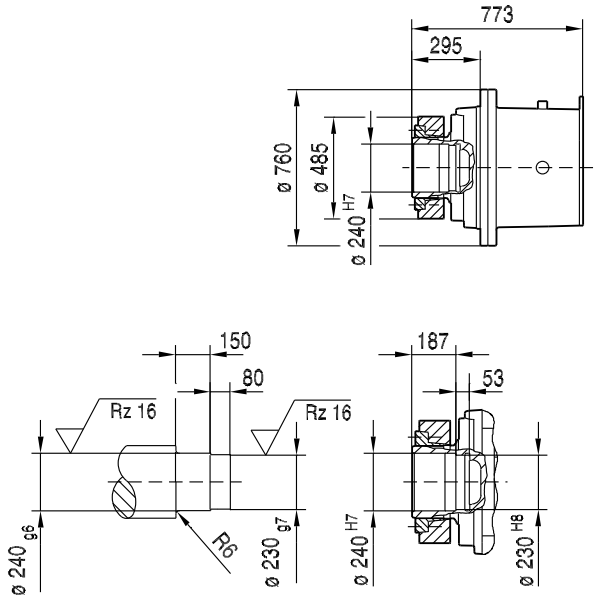
21216193/EN – 11/2014

PF062KF107..

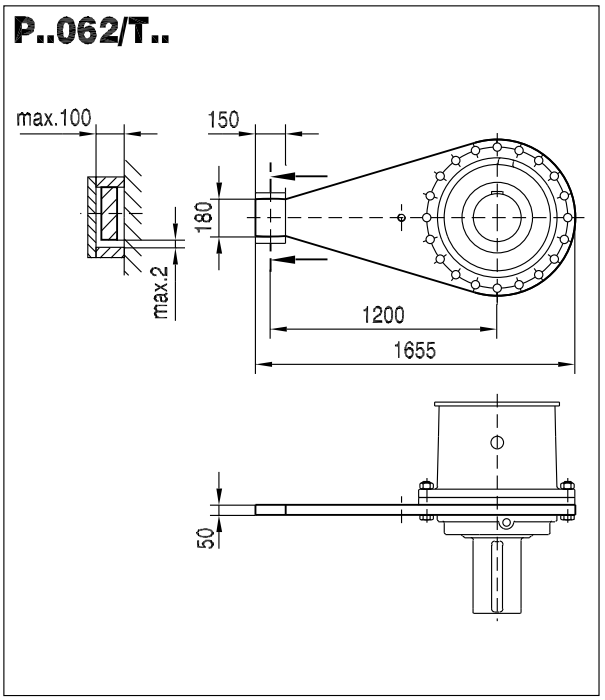
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PHF062KF107..



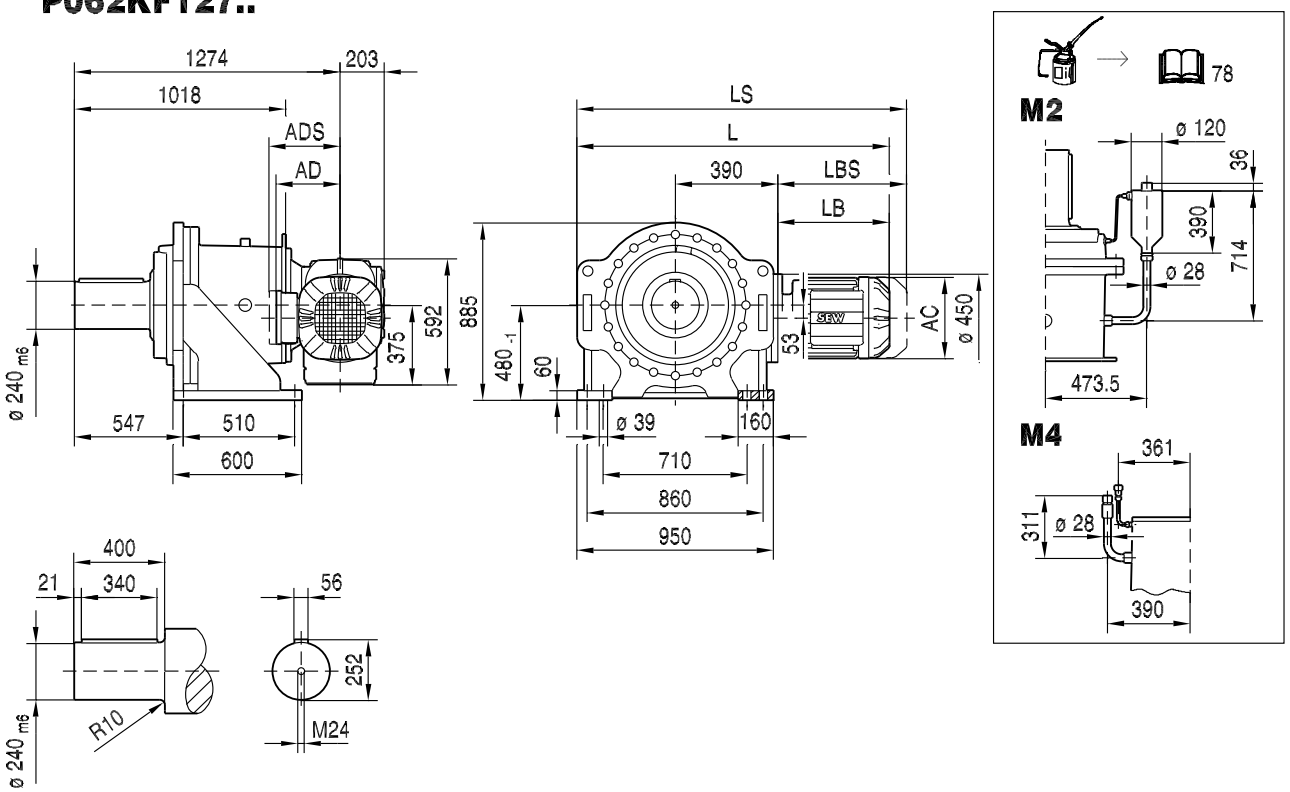
P..062/T..



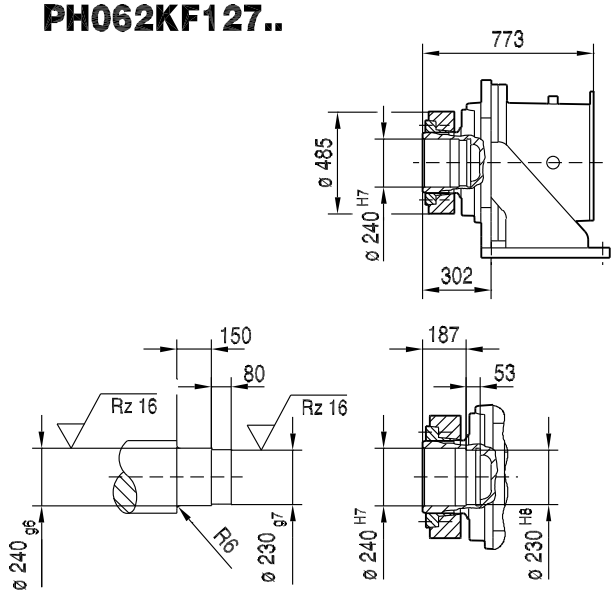
(→ 90)	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	
AC	221	221	272	316	316	394	394	
AD	170	170	228	253	253	283	283	
ADS	172	172	228	253	253	283	283	
L	1084	1134	1175	1244	1304	1377	1377	
LS	1196	1246	1312	1433	1493	1582	1582	
LB	363	413	454	523	583	656	656	
LBS	475	525	591	712	772	861	861	

P062KF127..

45 082 02 08



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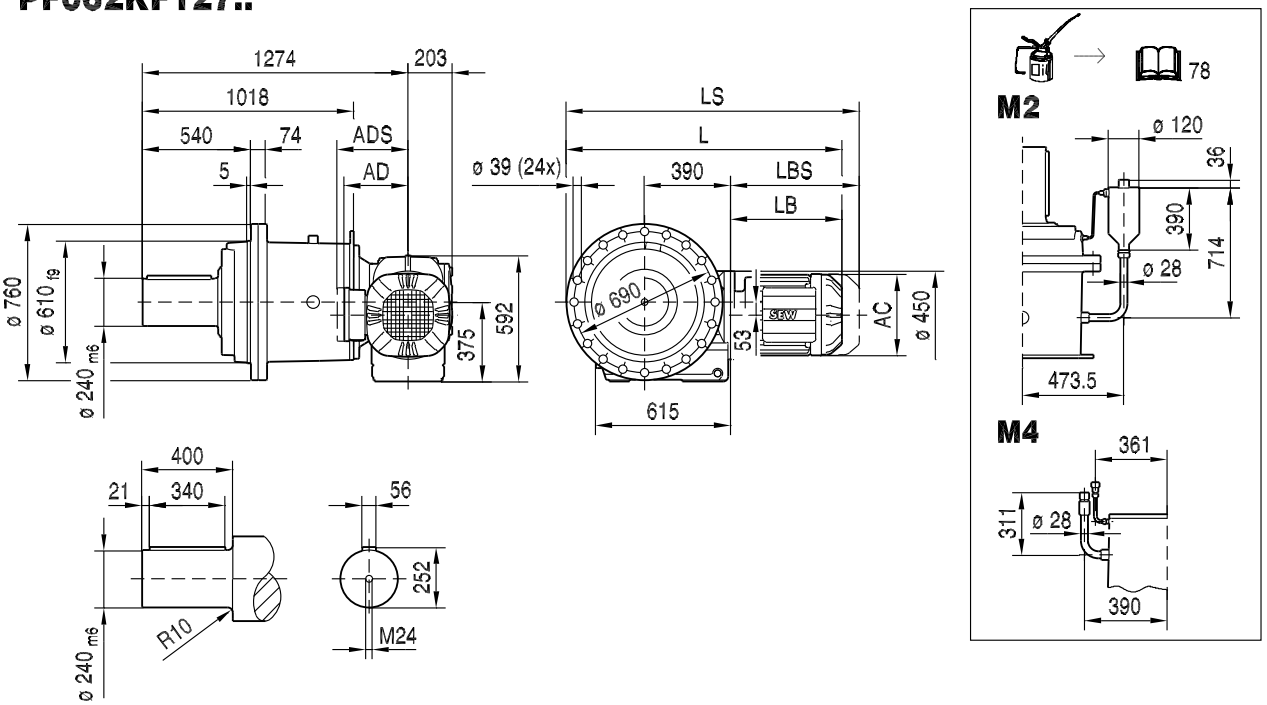


(→ 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1263	1304	1373	1433	1506	1506	1556	1617	1617
LS	1375	1441	1562	1622	1711	1711	1761	1857	1857
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

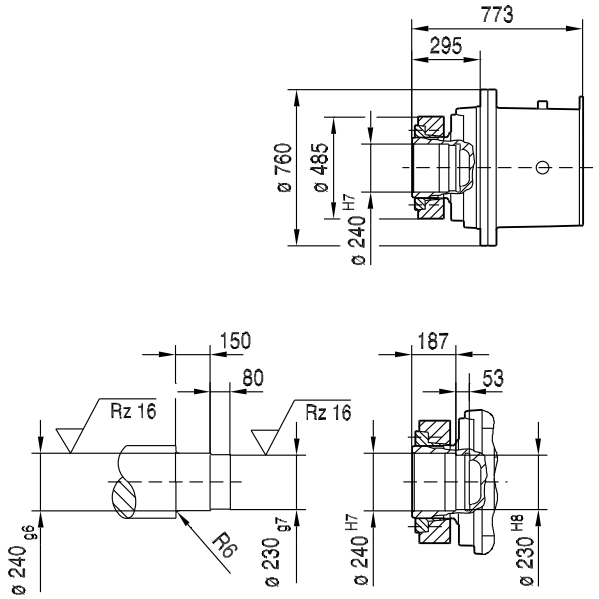
21216193/EN – 11/2014

PF062KF127..

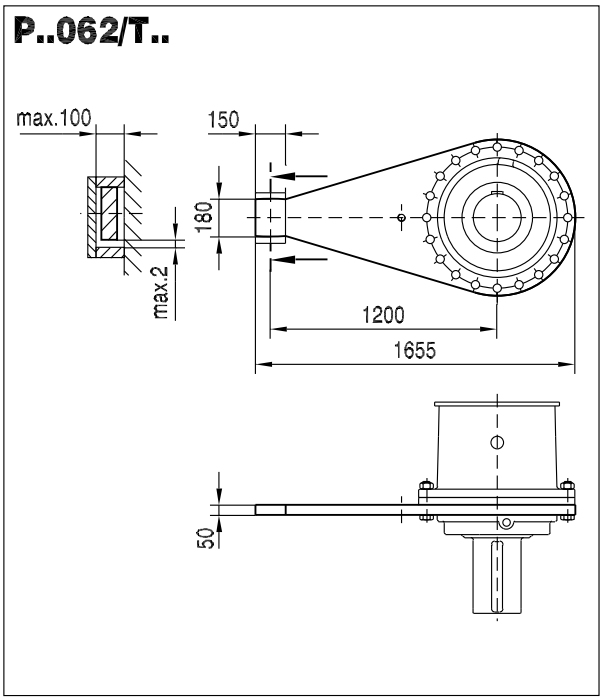
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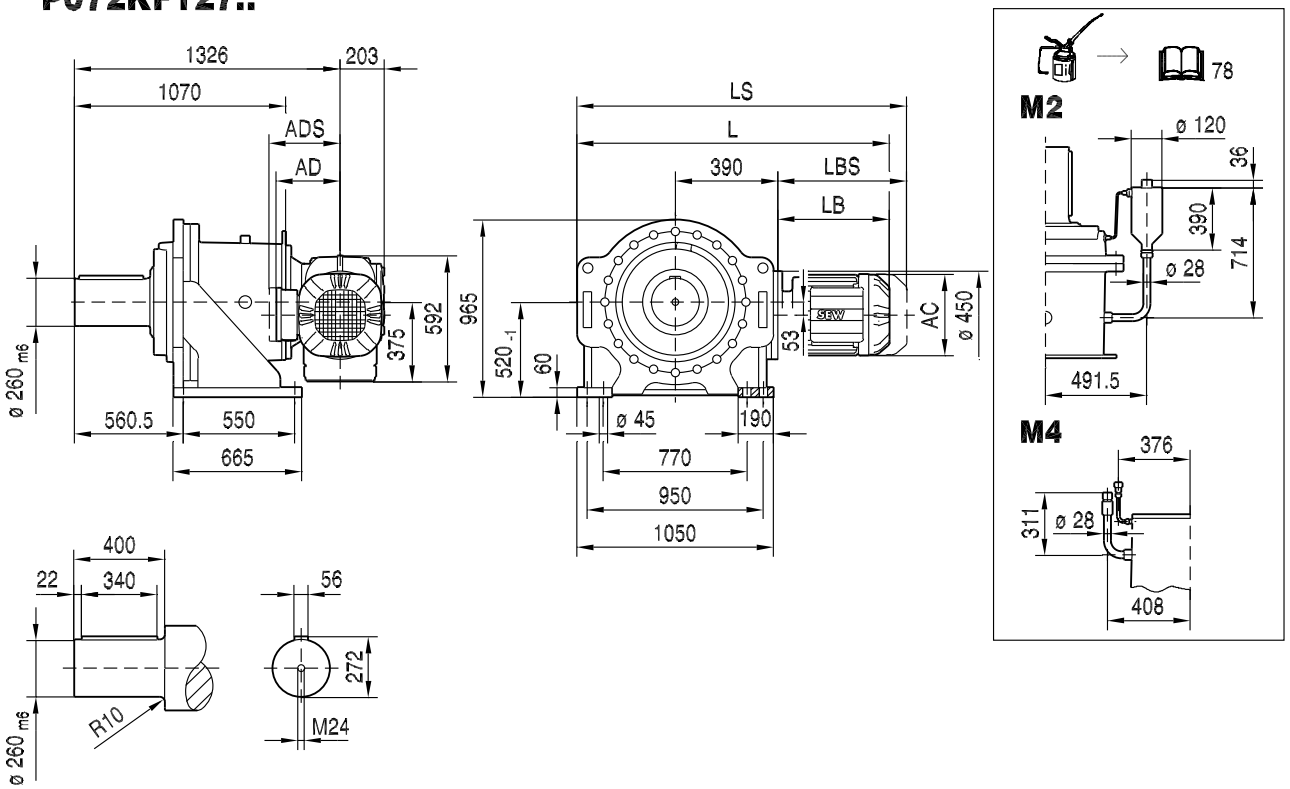
P..062/T..



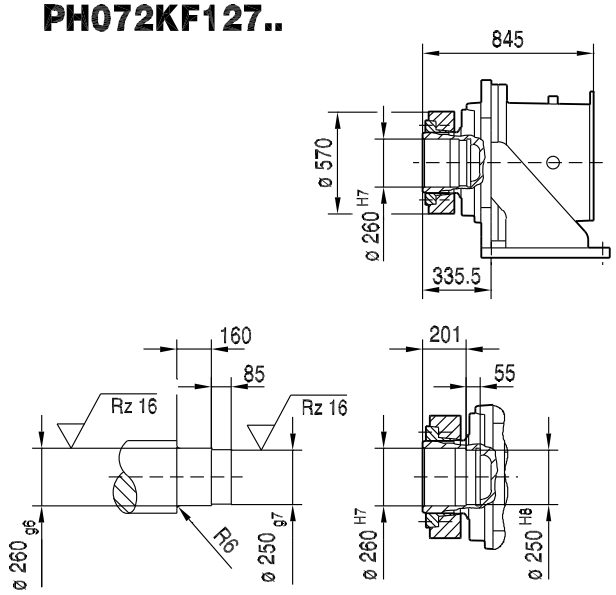
(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1168	1209	1278	1338	1411	1411	1461	1522	1522
LS	1280	1346	1467	1527	1616	1616	1666	1762	1762
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

P072KF127..

45 084 02 08



PH072KF127..

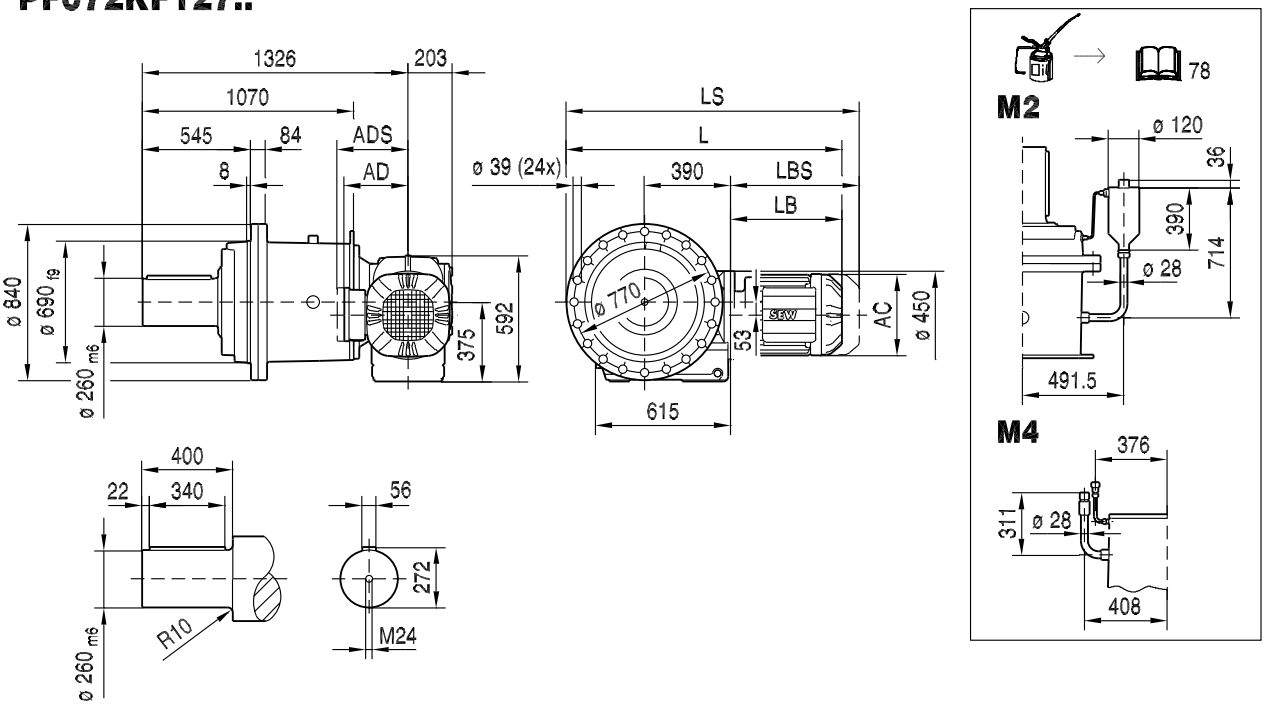


(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1313	1354	1423	1483	1556	1556	1606	1667	1667
LS	1425	1491	1612	1672	1761	1761	1811	1907	1907
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

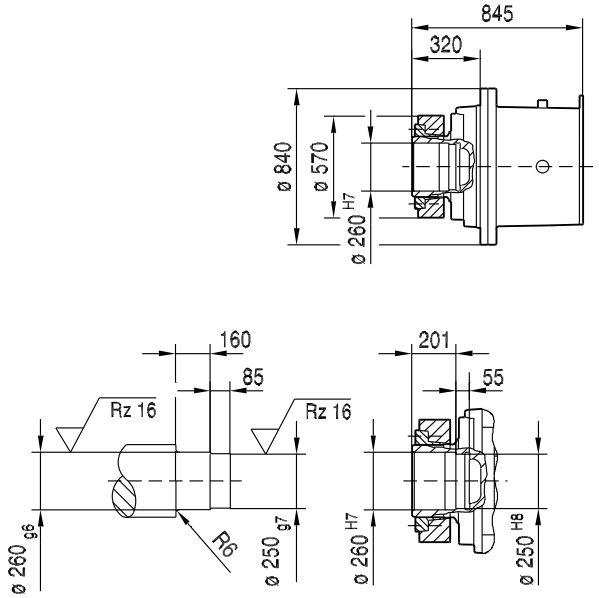
21216193/EN – 11/2014

PF072KF127..

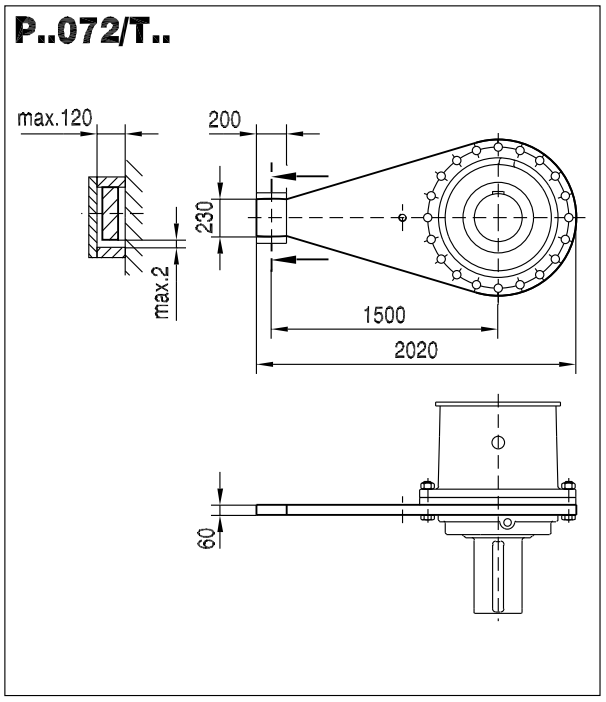
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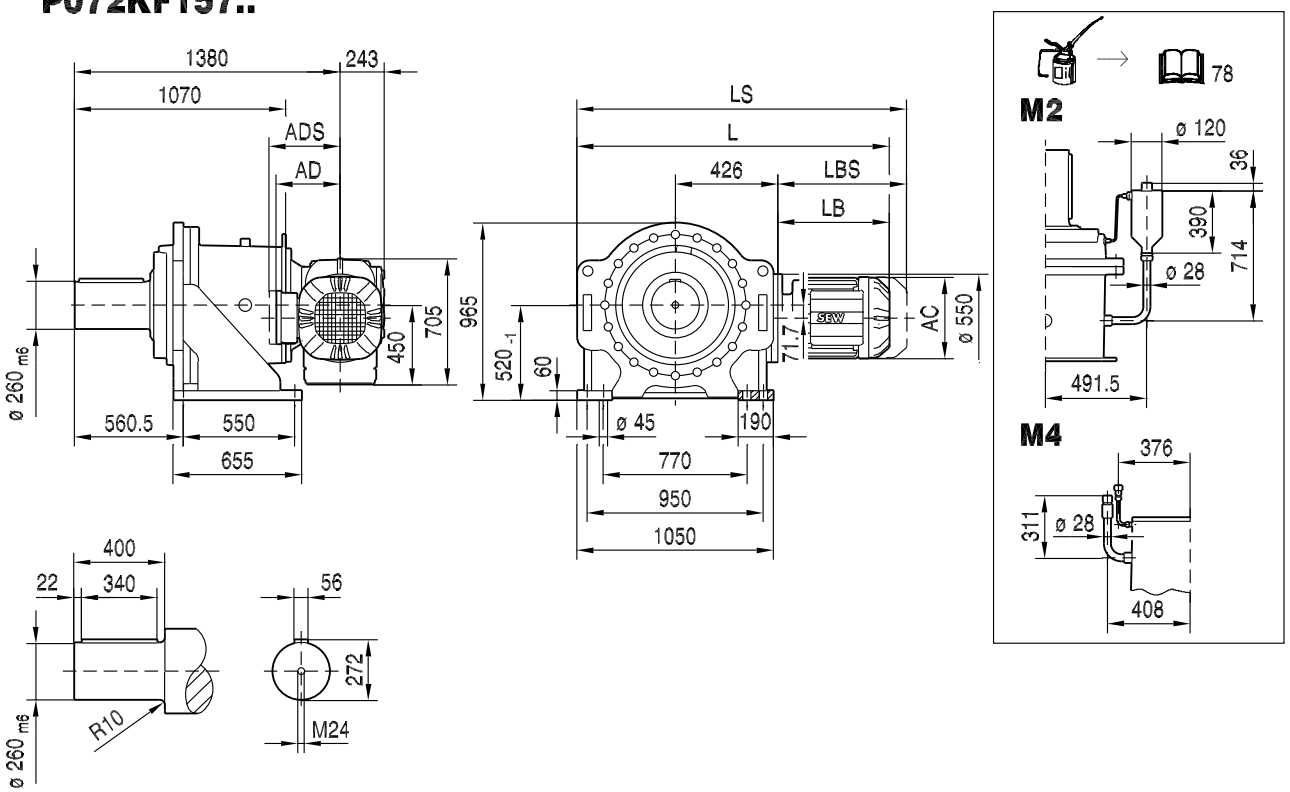
P..072/T..



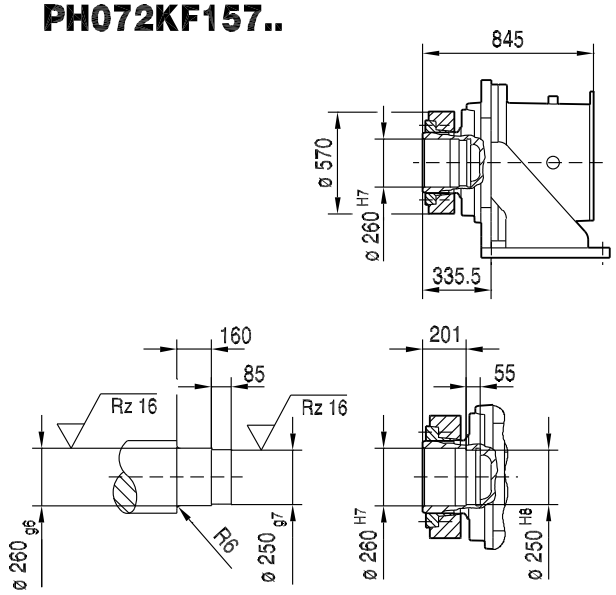
(→ 📄 90)	DR132M/MC	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	221	272	316	316	394	394	394	495	495
AD	170	228	253	253	283	283	283	394	394
ADS	172	228	253	253	283	283	283	394	394
L	1208	1249	1318	1378	1451	1451	1501	1562	1562
LS	1320	1386	1507	1567	1656	1656	1706	1802	1802
LB	398	439	508	568	641	641	691	752	752
LBS	510	576	697	757	846	846	896	992	992

P072KF157..

45 085 02 08



PH072KF157..

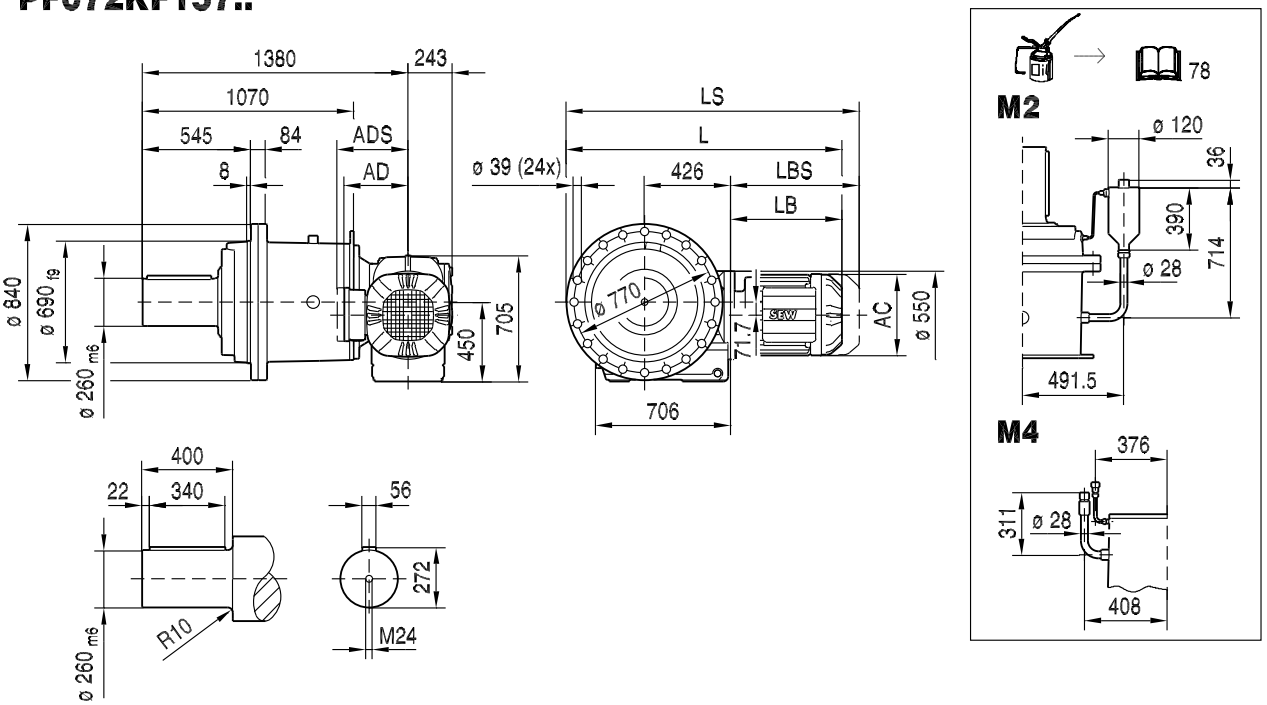


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	272	316	316	394	394	394	495	495
AD	228	253	253	283	283	283	394	394
ADS	228	253	253	283	283	283	394	394
L	1382	1451	1511	1584	1584	1634	1695	1695
LS	1519	1640	1700	1789	1789	1839	1935	1935
LB	431	500	560	633	633	683	744	744
LBS	568	689	749	838	838	888	984	984

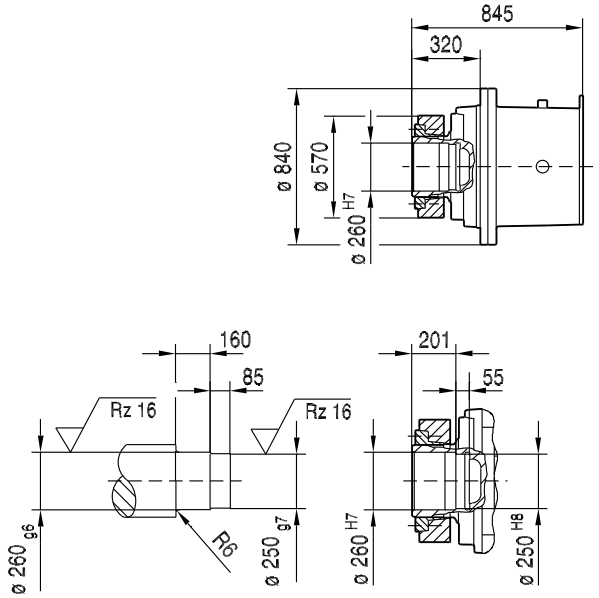
21216193/EN – 11/2014

PF072KF157..

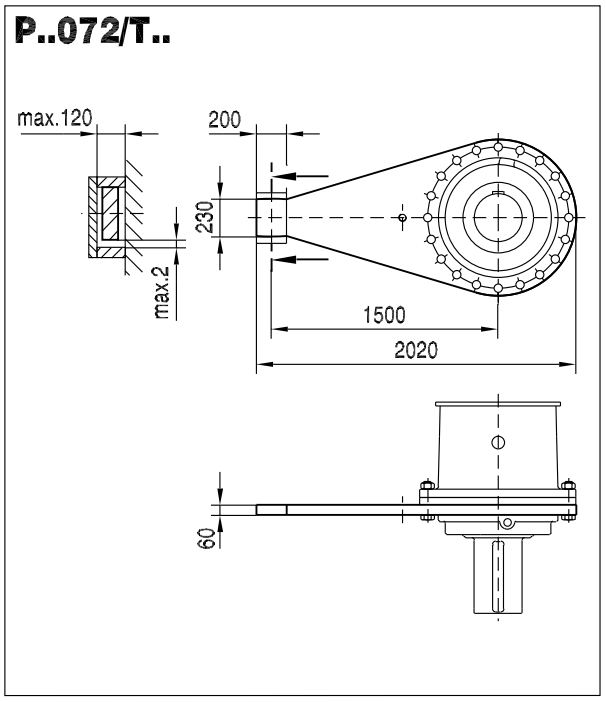
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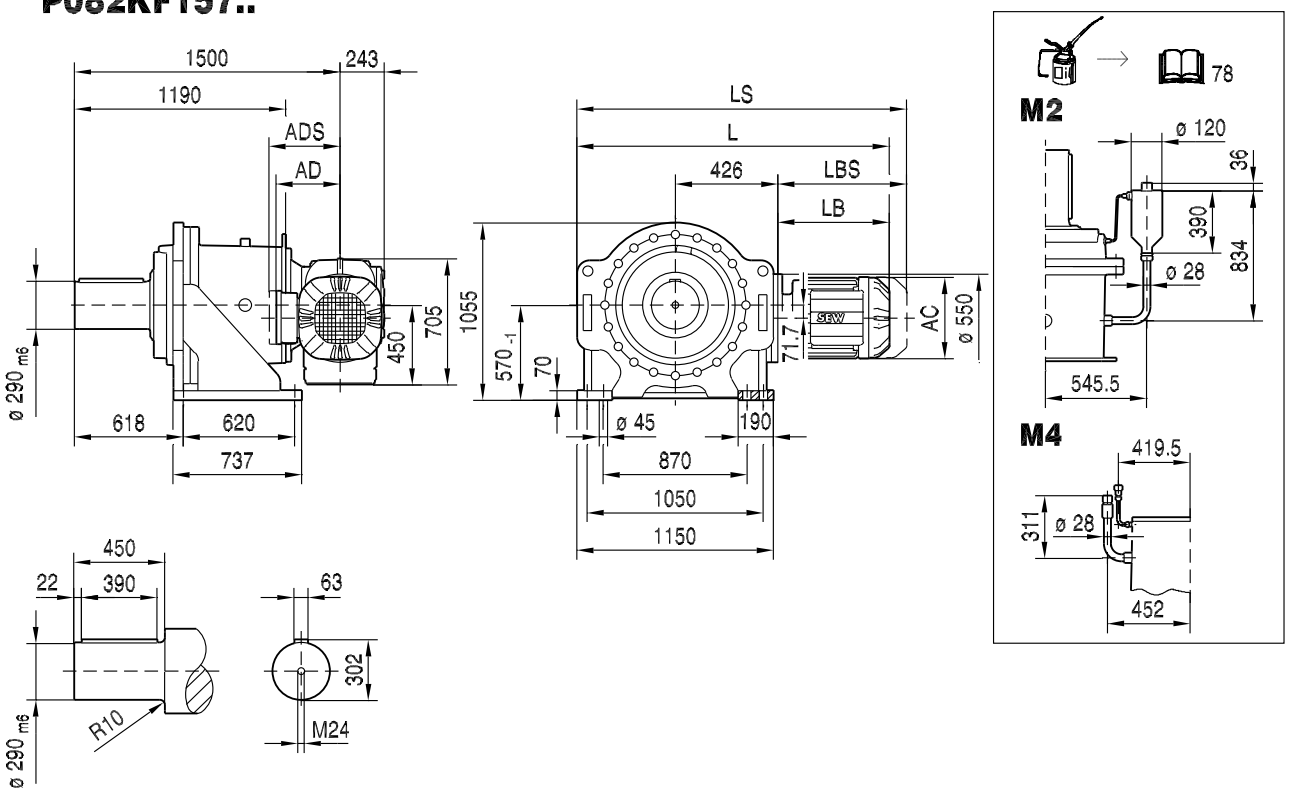
P..072/T..



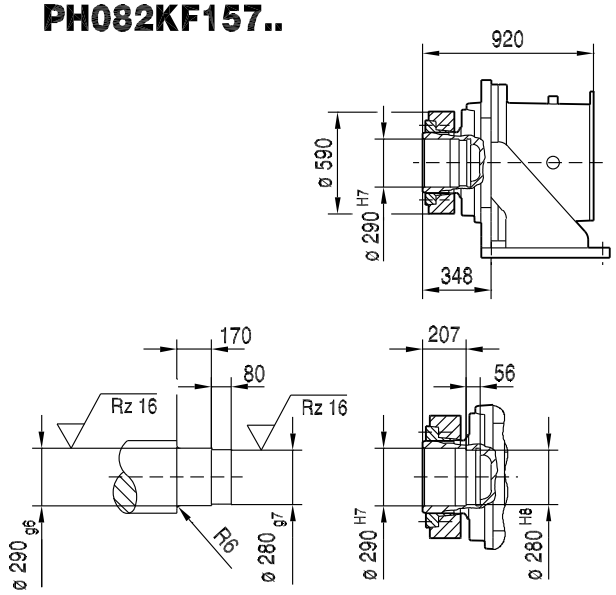
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	272	316	316	394	394	394	495	495
AD	228	253	253	283	283	283	394	394
ADS	228	253	253	283	283	283	394	394
L	1277	1346	1406	1479	1479	1529	1590	1590
LS	1414	1535	1595	1684	1684	1734	1830	1830
LB	431	500	560	633	633	683	744	744
LBS	568	689	749	838	838	888	984	984

P082KF157..

45 086 02 08



PH082KF157..

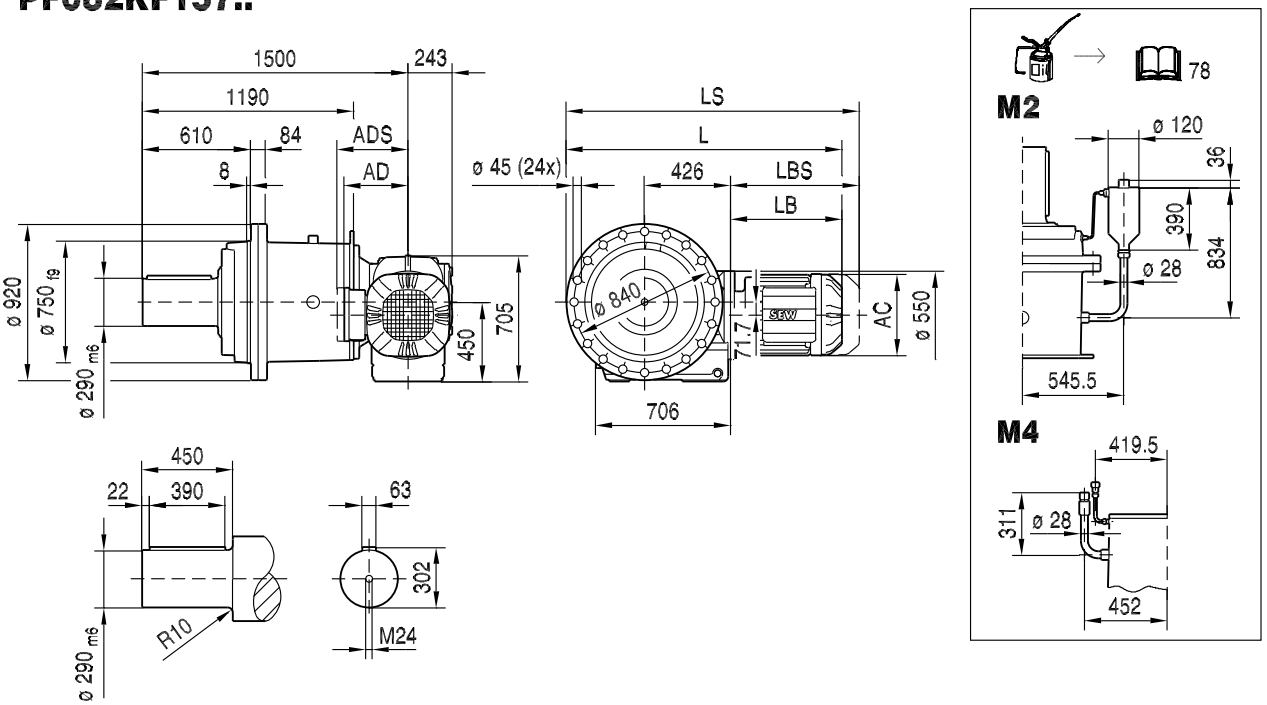


(→ 📄 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	272	316	316	394	394	394	495	495
AD	228	253	253	283	283	283	394	394
ADS	228	253	253	283	283	283	394	394
L	1432	1501	1561	1634	1634	1684	1745	1745
LS	1569	1690	1750	1839	1839	1889	1985	1985
LB	431	500	560	633	633	683	744	744
LBS	568	689	749	838	838	888	984	984

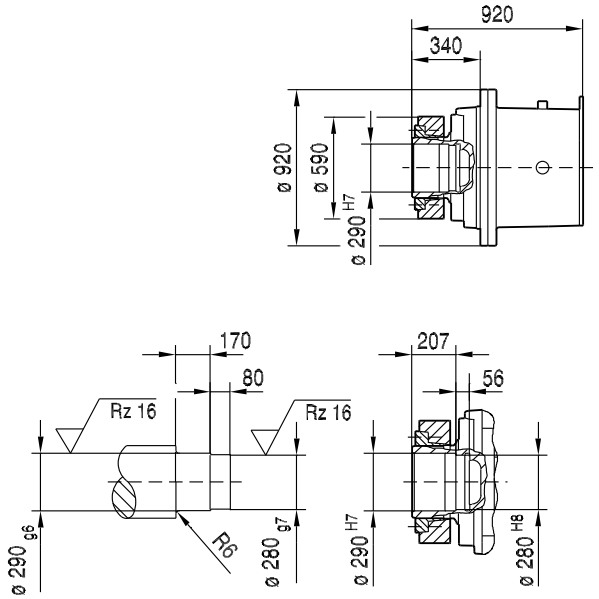
21216193/EN – 11/2014

PF082KF157..

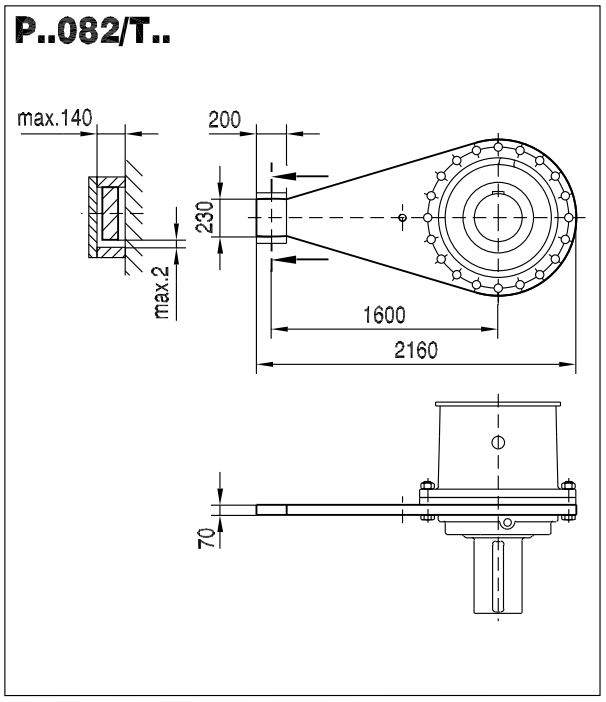
45 114 02 08



PHF082KF157..



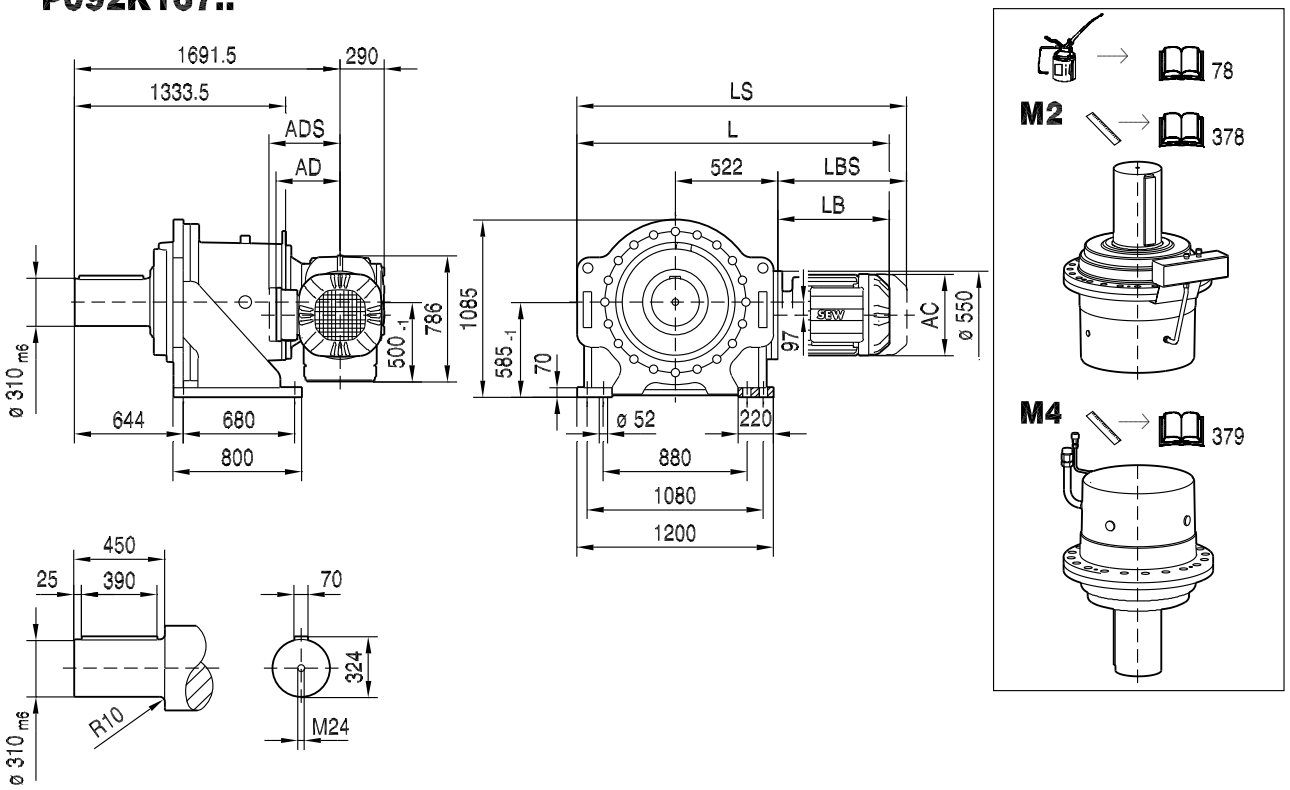
P..082/T..



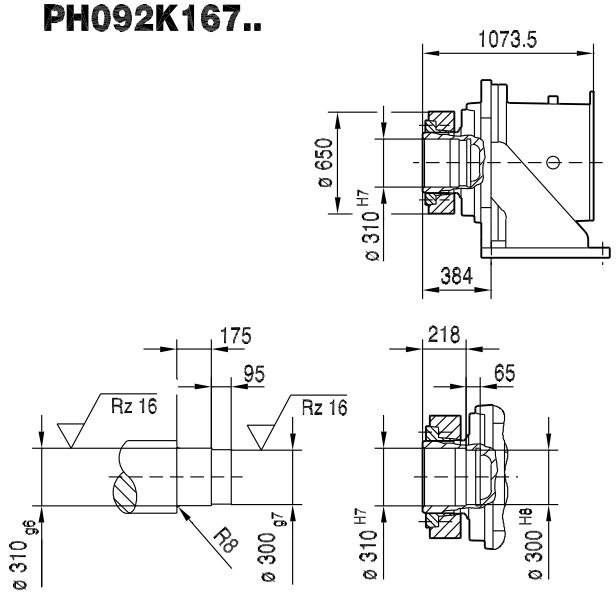
(→ 📖 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	272	316	316	394	394	394	495	495
AD	228	253	253	283	283	283	394	394
ADS	228	253	253	283	283	283	394	394
L	1317	1386	1446	1519	1519	1569	1630	1630
LS	1454	1575	1635	1724	1724	1774	1870	1870
LB	431	500	560	633	633	683	744	744
LBS	568	689	749	838	838	888	984	984

P092K167..

45 006 01 11



PH092K167..

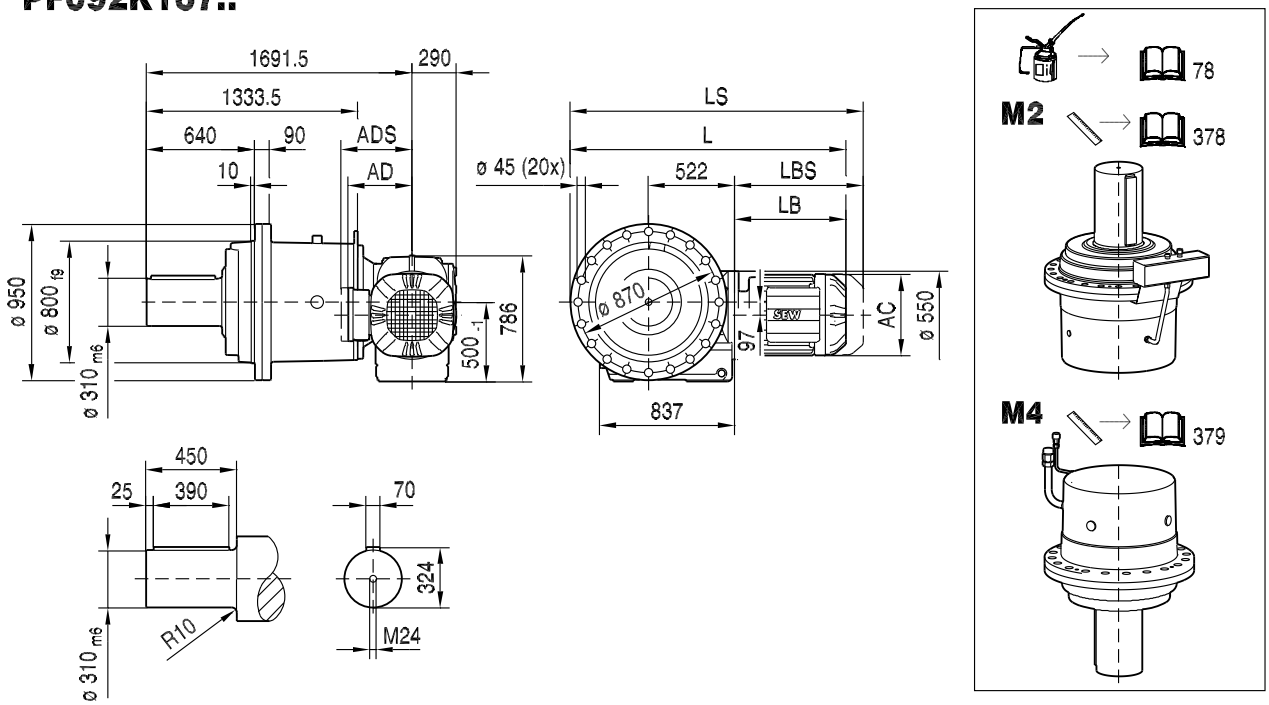


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S
AC	272	316	316	394	394	394	495	495	624
AD	228	253	253	283	283	283	394	394	506
ADS	228	253	253	283	283	283	394	394	506
L	1553	1622	1682	1755	1755	1805	1866	1866	2063
LS	1690	1811	1871	1960	1960	2010	2106	2106	2314
LB	431	500	560	633	633	683	744	744	941
LBS	568	689	749	838	838	888	984	984	1192

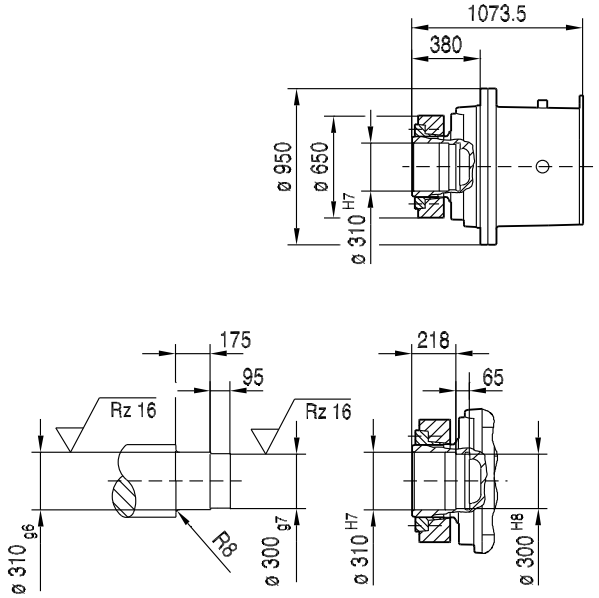
21216193/EN – 11/2014

PF092K167..

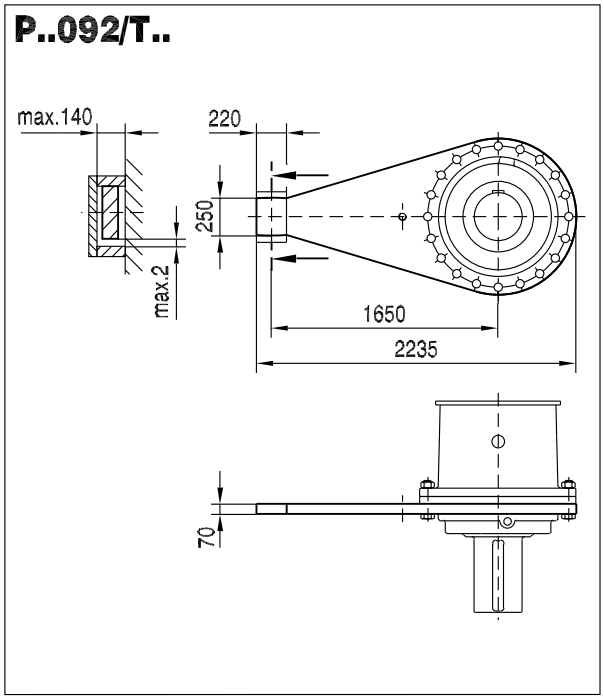
45 011 01 11



PHF092K167..



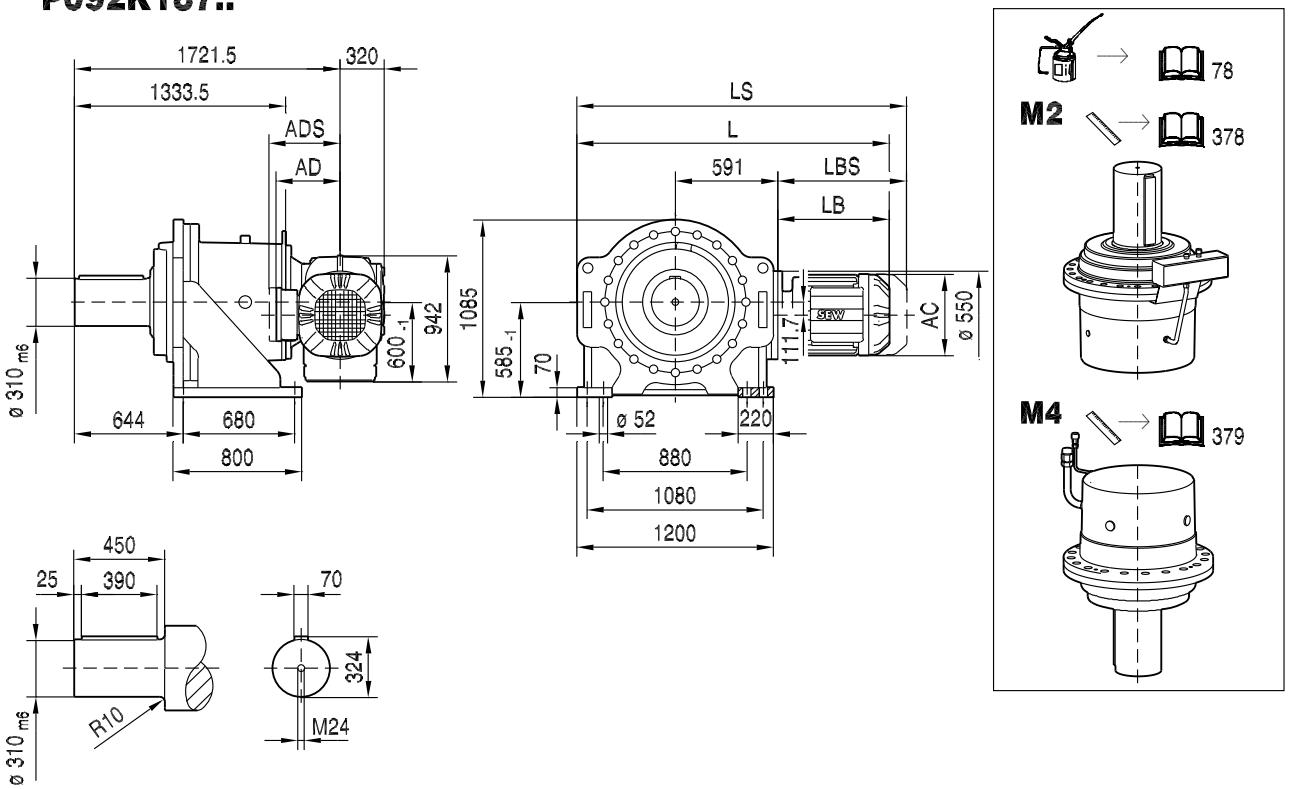
P..092/T..



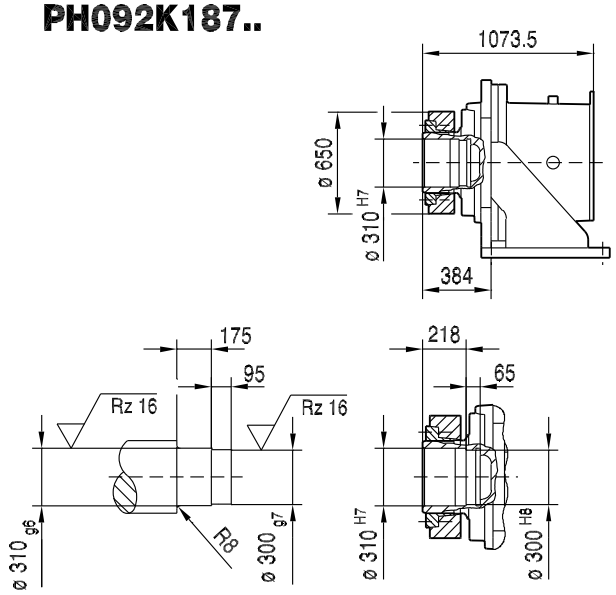
(→ 📄 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S
AC	272	316	316	394	394	394	495	495	624
AD	228	253	253	283	283	283	394	394	506
ADS	228	253	253	283	283	283	394	394	506
L	1428	1497	1557	1630	1630	1680	1741	1741	1938
LS	1565	1686	1746	1835	1835	1885	1981	1981	2189
LB	431	500	560	633	633	683	744	744	941
LBS	568	689	749	838	838	888	984	984	1192

P092K187..

45 007 01 11



PH092K187..

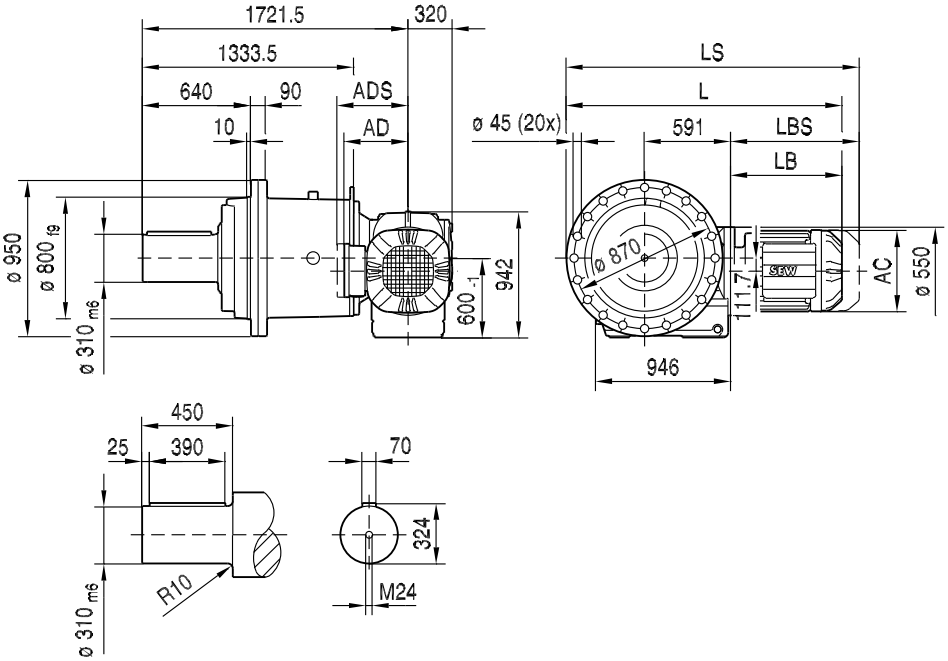


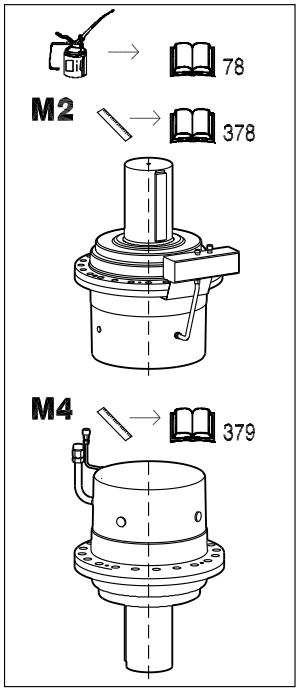
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	1622	1691	1751	1824	1824	1874	1935	1935	2132	2304
LS	1759	1880	1940	2029	2029	2079	2175	2175	2383	2556
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

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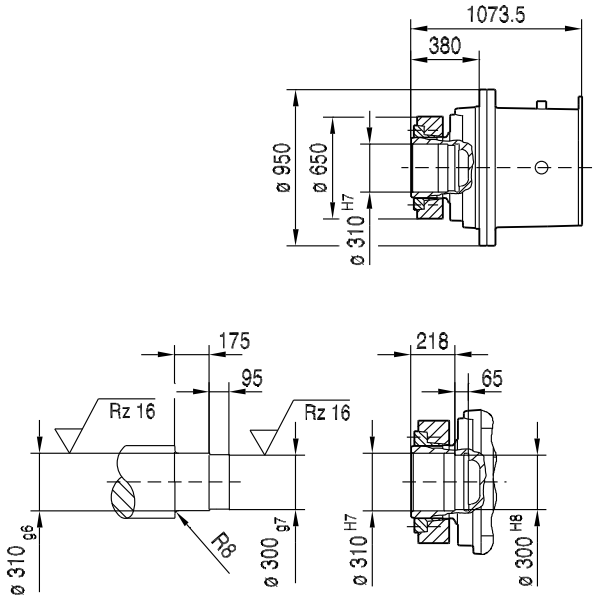
PF092K187..

45 012 01 11

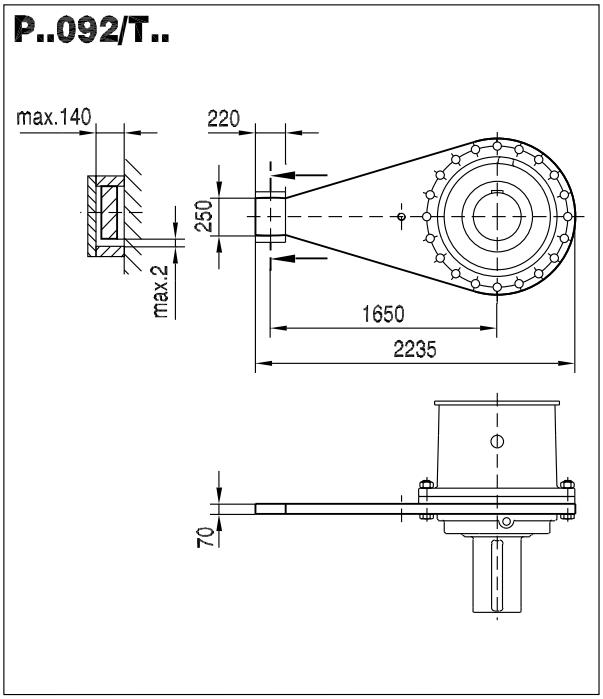




PHF092K187..



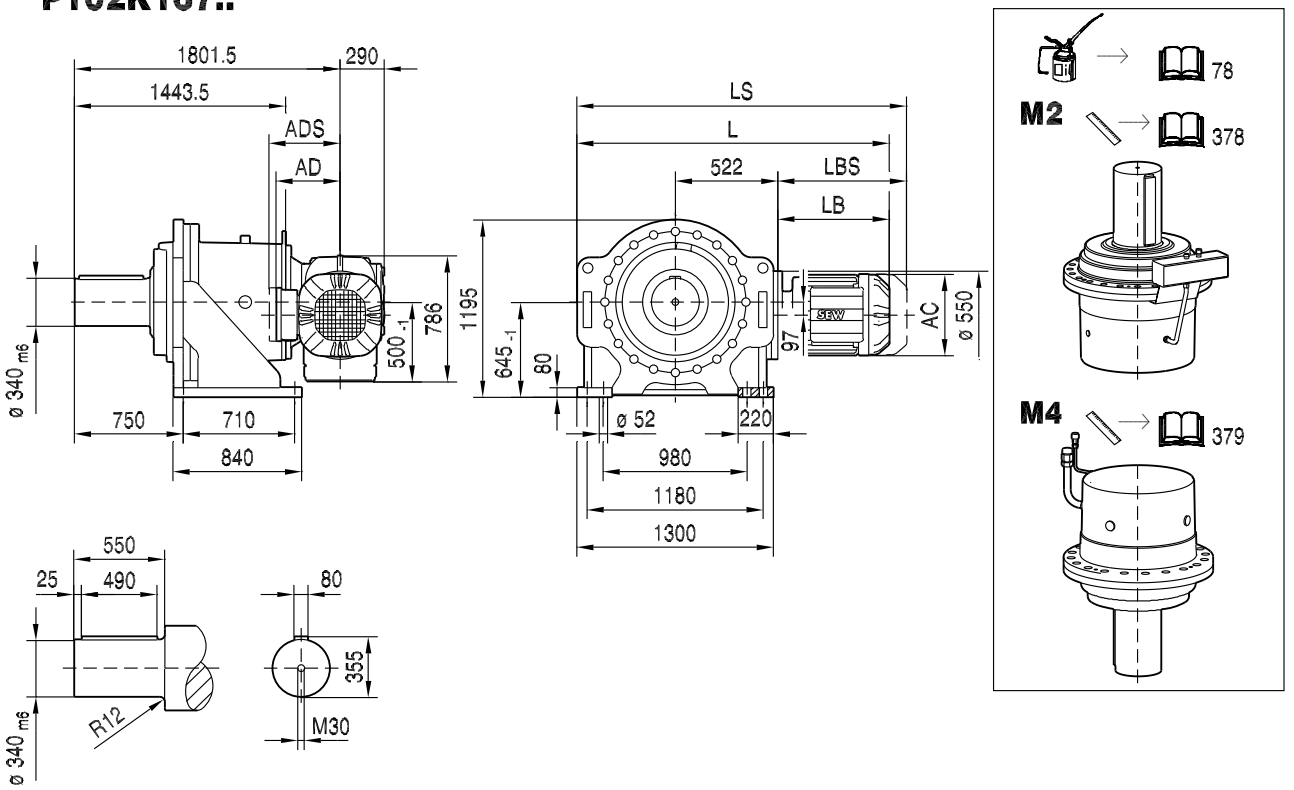
P..092/T..



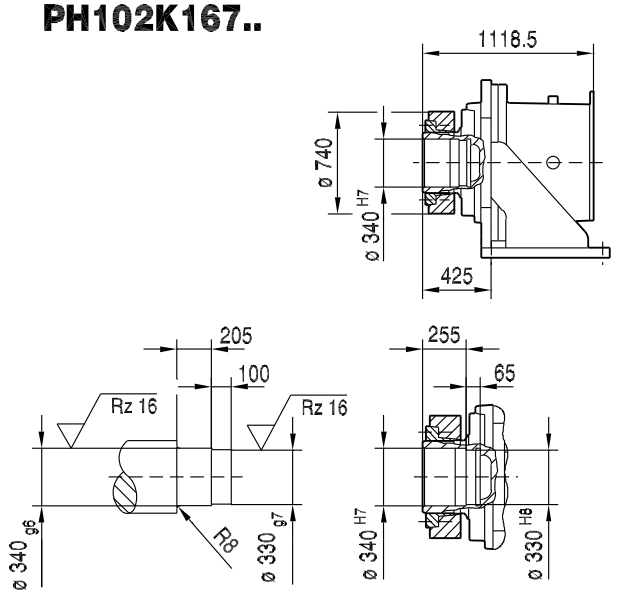
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	1497	1566	1626	1699	1699	1749	1810	1810	2007	2179
LS	1634	1755	1815	1904	1904	1954	2050	2050	2258	2431
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

P102K167..

45 008 01 11



PH102K167..

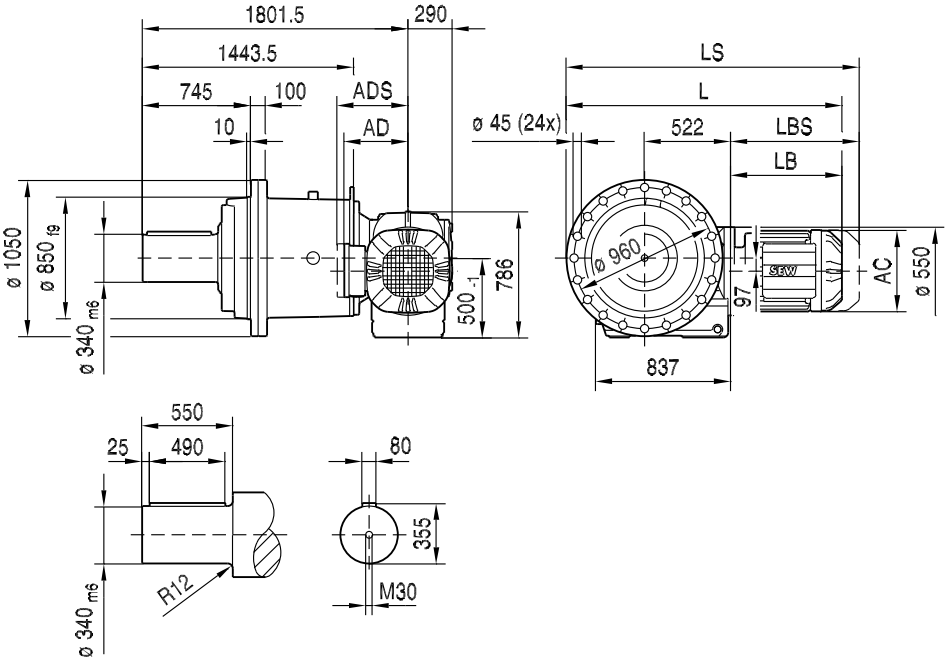


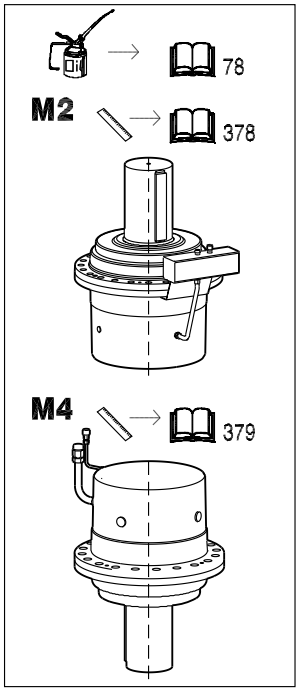
(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	272	316	316	394	394	394	495	495
AD	228	253	253	283	283	283	394	394
ADS	228	253	253	283	283	283	394	394
L	1603	1672	1732	1805	1805	1855	1916	1916
LS	1740	1861	1921	2010	2010	2060	2156	2156
LB	431	500	560	633	633	683	744	744
LBS	568	689	749	838	838	888	984	984

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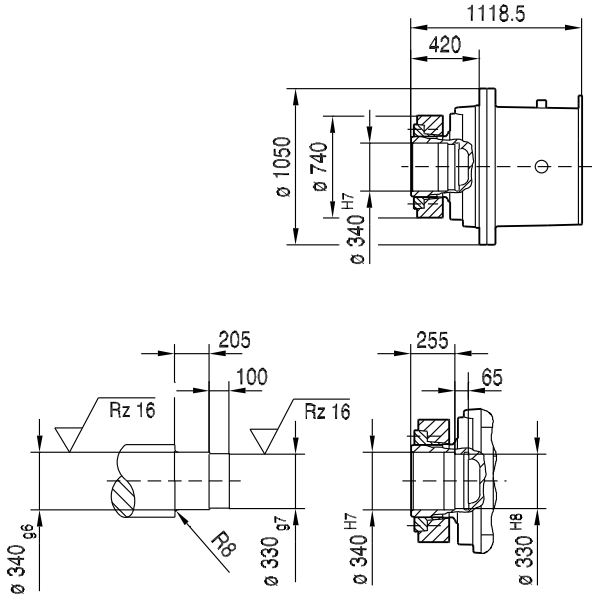
PF102K167..

45 013 01 11

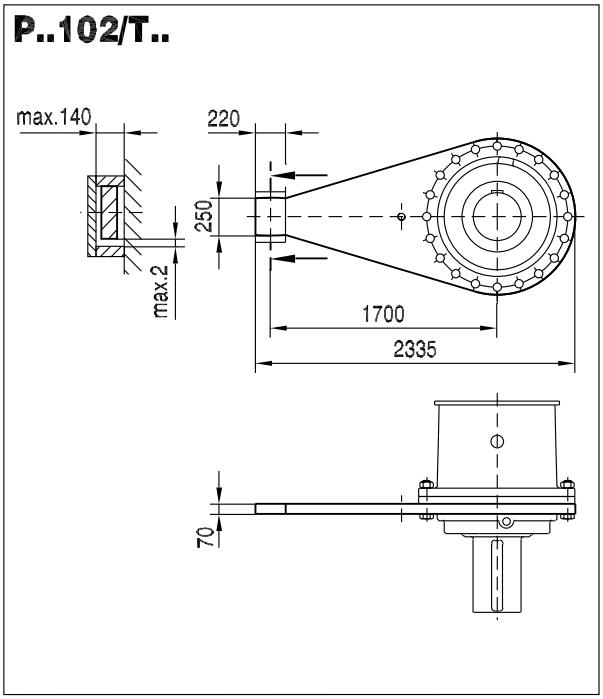




PHF102K167..



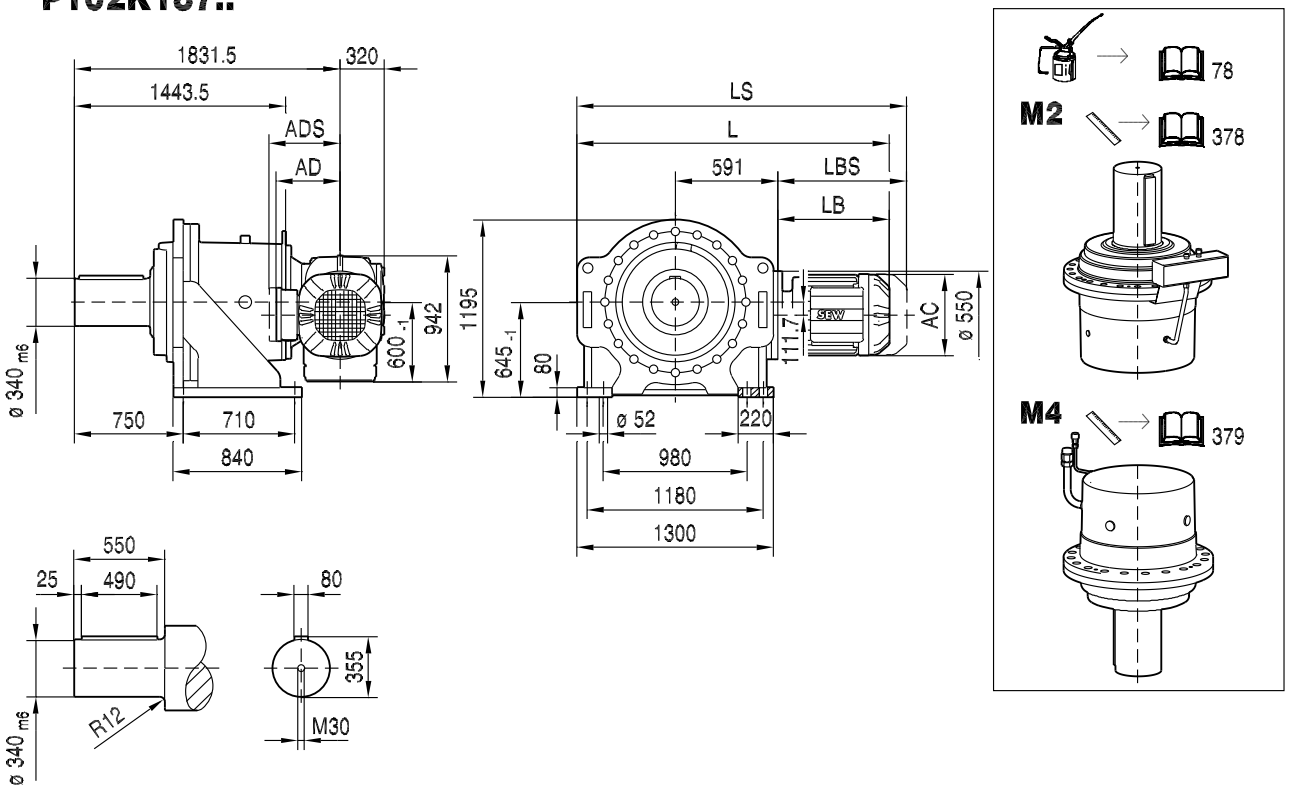
P..102/T..



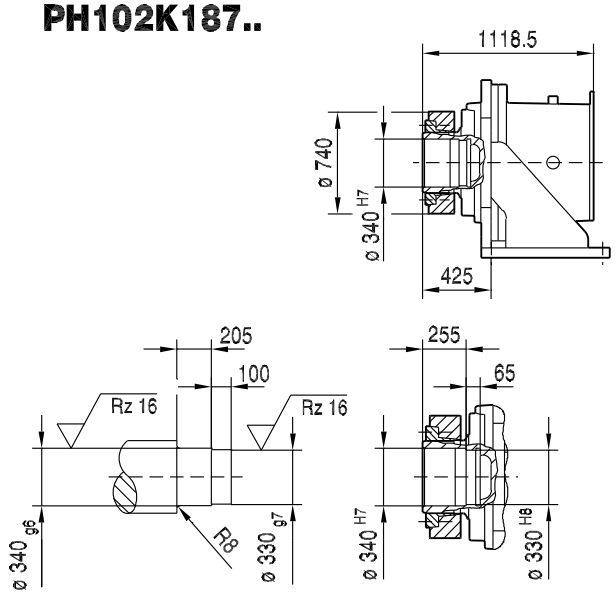
(→ 📄 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280
AC	272	316	316	394	394	394	495	495
AD	228	253	253	283	283	283	394	394
ADS	228	253	253	283	283	283	394	394
L	1478	1547	1607	1680	1680	1730	1791	1791
LS	1615	1736	1796	1885	1885	1935	2031	2031
LB	431	500	560	633	633	683	744	744
LBS	568	689	749	838	838	888	984	984

P102K187..

45 009 01 11



PH102K187..

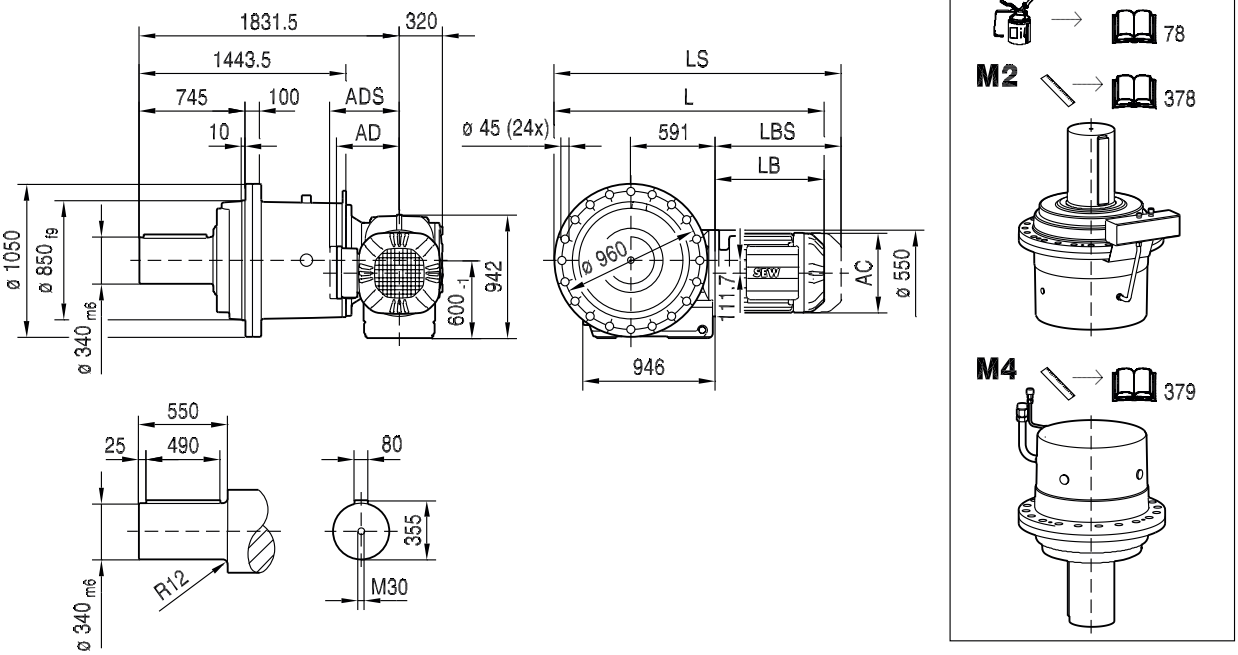


(→ 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	1672	1741	1801	1874	1874	1924	1985	1985	2182	2354
LS	1809	1930	1990	2079	2079	2129	2225	2225	2433	2606
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

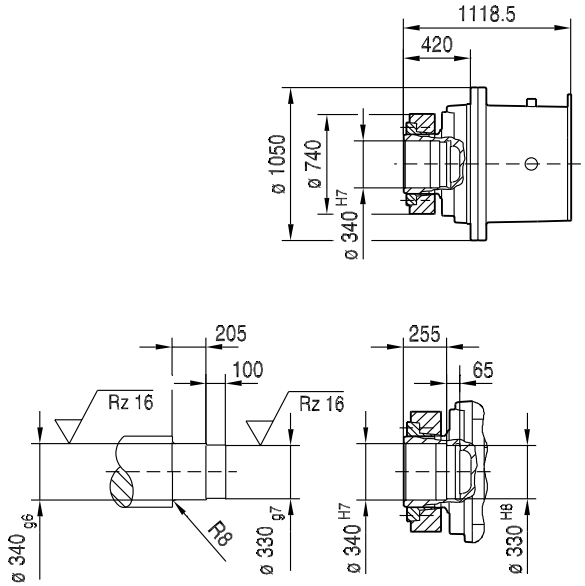
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PF102K187..

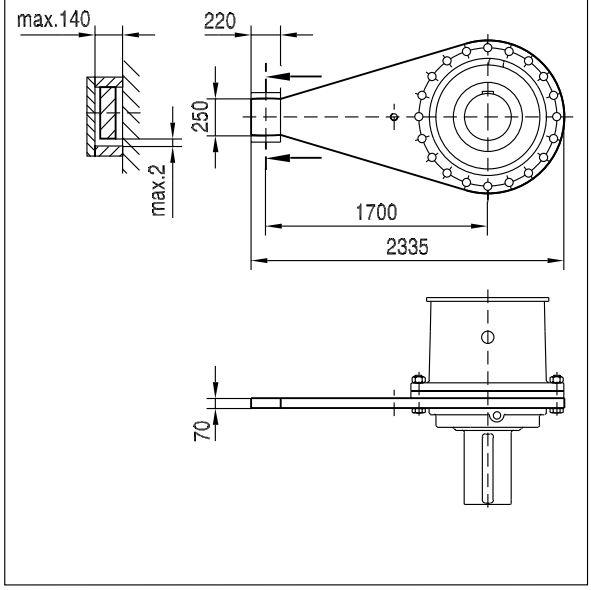
45 014 01 11



PHF102K187..



P..102/T..

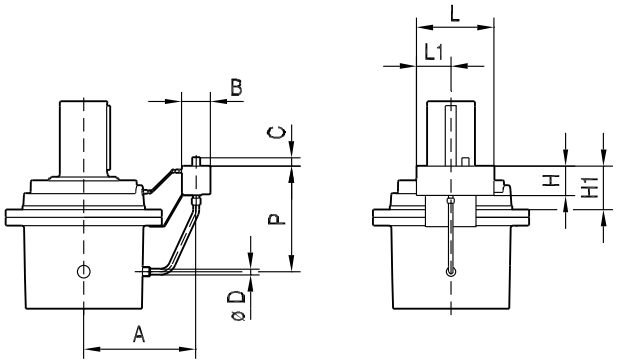


(→ 📄 90)	DR160..	DR180S/M	DR180L/LC	DR200	DR225S	DR225M/MC	DR250	DR280	DR315K/S	DR315M/L
AC	272	316	316	394	394	394	495	495	624	624
AD	228	253	253	283	283	283	394	394	506	521
ADS	228	253	253	283	283	283	394	394	506	521
L	1547	1616	1676	1749	1749	1799	1860	1860	2057	2229
LS	1684	1805	1865	1954	1954	2004	2100	2100	2308	2481
LB	431	500	560	633	633	683	744	744	941	1113
LBS	568	689	749	838	838	888	984	984	1192	1365

11.6 Oil expansion tank for mounting position M2

45 015 00 11

P/PH/PF/PHF
M2



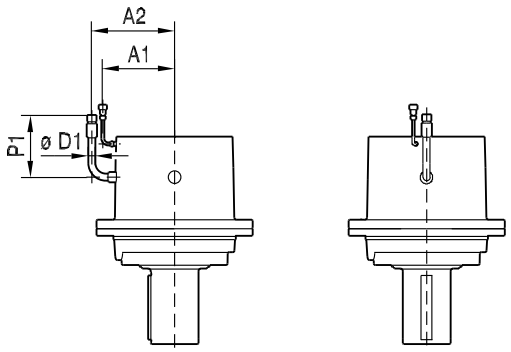
	A	B	C	Ø D	H	H1	L	L1	P
P.092	627.5	160	51	28	160	230	530	235	636.5
P.102	696.5	160	51	28	160	241	530	235	658.5

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11.7 Oil expansion tank for mounting position M2

45 016 00 11

P/PH/PF/PHF
M4



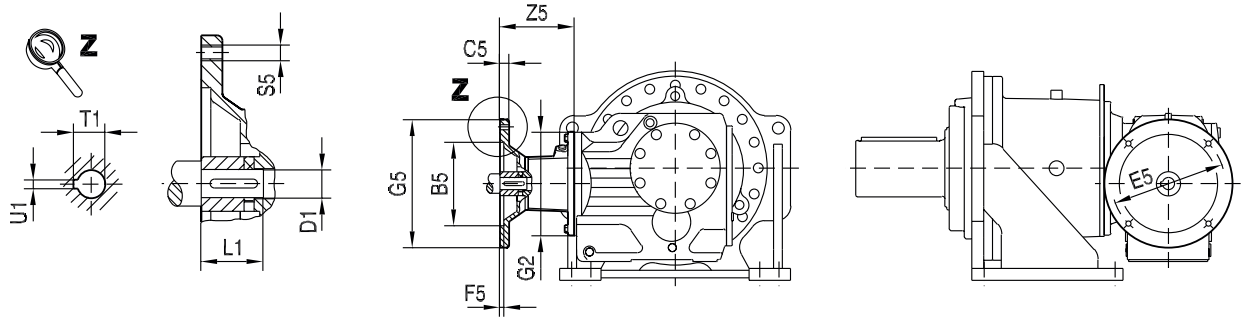
	A1	A2	Ø D1	P1
P.092	477	486	28	361
P.102	507	514	28	361

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11.8 AM adapters for mounting of IEC motors

45 122 00 08

P..KF..AM..



		B5	C5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
P..KF77	AM63	95	10	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71	110		130			160			14	30	16.3	5
	AM80	130	12	165	4.5		200	M10	92	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100	180	15	215	5		250	M12	126	28	60	31.3	8
	AM112												
	AM132S/M	230	16	265			300		179	38	80	41.3	10
	AM132ML												
P..KF87	AM80	130	12	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100	180	15	215	5		250	M12	121	28	60	31.3	8
	AM112												
	AM132S/M	230	16	265			300		174	38	80	41.3	10
	AM132ML												
	AM160	250	18	300	6		350	M16	232	42	110	45.3	12
	AM180									48		51.8	14
P..KF97	AM100	180	15	215	5	300	250	M12	116	28	60	31.3	8
	AM112												
	AM132S/M	230	16	265			300		169	38	80	41.3	10
	AM132ML												
	AM160	250	18	300	6		350	M16	227	42	110	45.3	12
	AM180									48		51.8	14
	AM200	300	20	350	7		400		268	55		59.3	16
P..KF107	AM100	1	180	15	215	5	350	250	M12	110	28	60	31.3
	AM112												
	AM132S/M		230	16	265			300		163	38	80	41.3
	AM132ML												
	AM160		250	18	300	6		350	M16	221	42	110	45.3
	AM180										48		51.8
	AM200		300	20	350	7		400		262	55		59.3

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45 123 00 08

P..KF..AM..

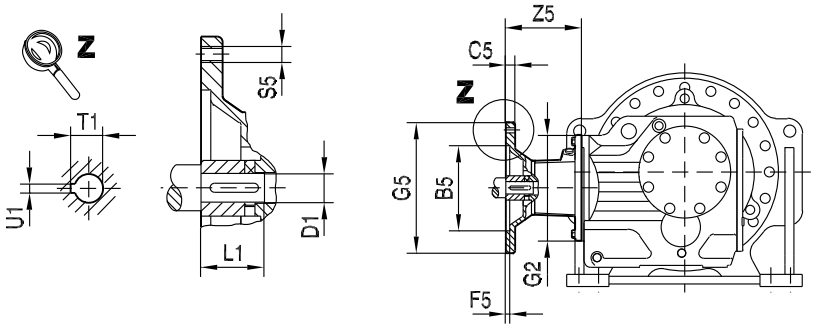


Fig.1

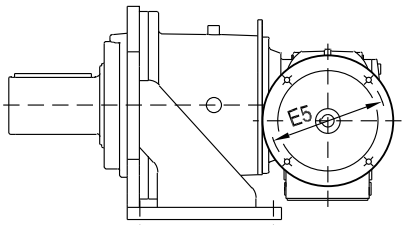


Fig.2

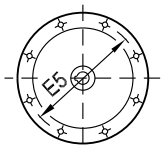
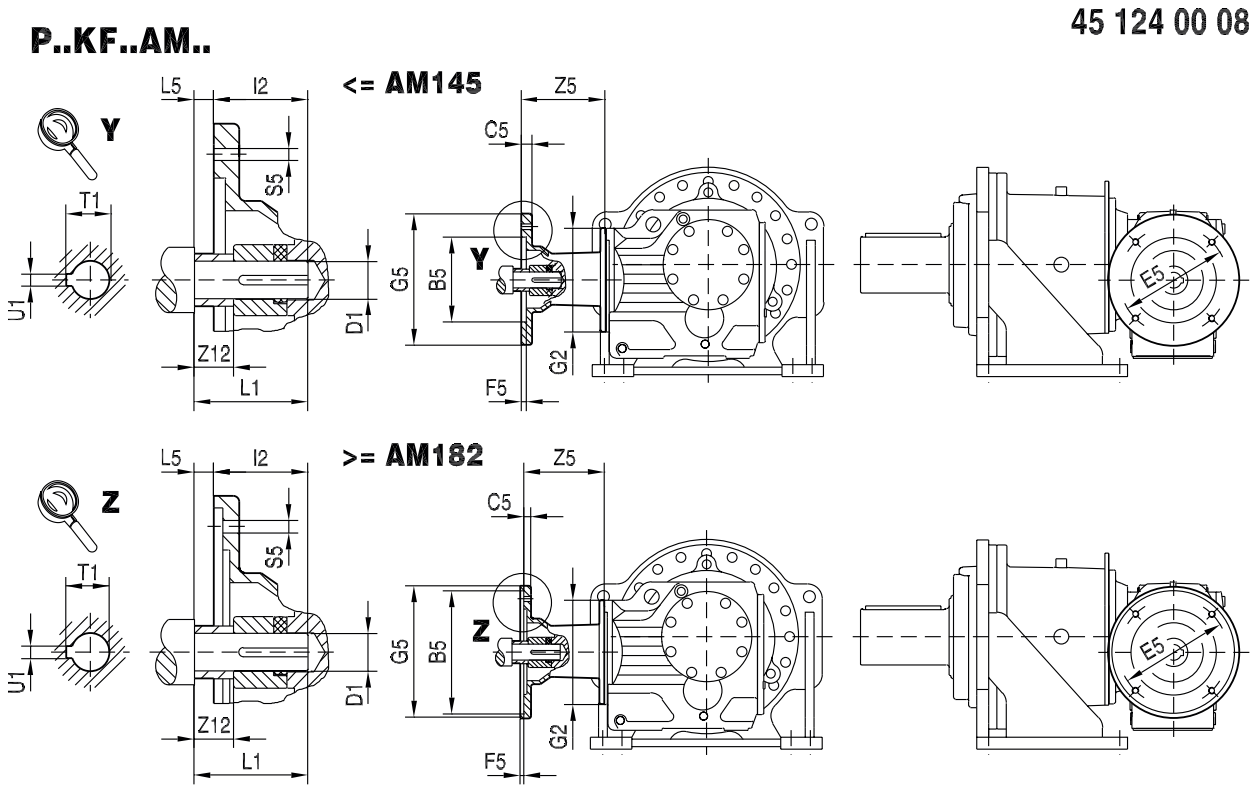


		Fig.	B5	C5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
P..KF127	AM132S/M	1	230	16	265	5	450	300	M12	148	38	80	41.3	10
	AM132ML													
	AM160		250	18	300	6		350	M16	206	42	110	45.3	12
	AM180										48		51.8	14
	AM200		300	20	350	7		400		247	55		59.3	16
	AM225	2	350	22	400			450		262	60	140	64.4	18
	AM250		450	25	500			550		336	65		69.4	
	AM280										75		79.9	20
P..KF157	AM160	1	250	18	300	6	550	350	M16	198	42	110	45.3	12
	AM180										48		51.8	14
	AM200		300	20	350	7		400		239	55		59.3	16
	AM225	2	350	22	400			450		254	60	140	64.4	18
	AM250		450	25	500			550		328	65		69.4	
	AM280										75		79.9	20
P..K167	AM160	1	250	18	300	6.0	550	350	M16	198	0	42	110	45.3
	AM180									198	0	48		51.8
	AM200		300	20	350	7.0		400		239	0	55		59.3
	AM225	2	350	22	400			450		254	0	60	140	64.4
	AM250		450	25	500			550		328	19	65		69.4
	AM280											75		79.9
P..K187	AM160	1	250	18	300	6.0	550	350	M16	198	0	42	110	45.3
	AM180					6.0		350		198		48		51.8
	AM200		300	20	350	7.0		400		239		55		59.3
	AM225	2	350	22	400			450		254		60	140	64.4
	AM250		450	25	500			550		328	19	65	140	69.4
	AM280									328	19	75	140	79.9

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11.9 AM adapters for mounting of NEMA motors

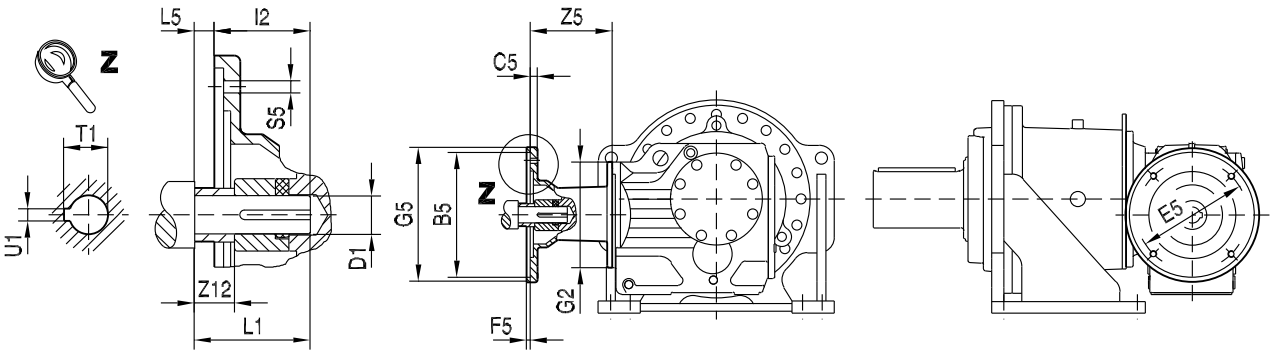


		B5	C5	E5	F5	G2	G5	I2	L5	S5	Z5	Z12	D1	L1	T1	U1
P..KF77	AM56	114.3	11	149.2	4.5	200	170	52.55	-4.8	10.5	81	16.5	15.875	47	18.1	4.76
	AM143		12					54.1	3		103.5	14.5	22.225	57	24.7	
	AM145															
	AM182	215.9	10	184	5		228	66.75	3	15	139.5	16.5	28.575	69	31.7	6.35
	AM184															
	AM213/215		11					79.55	6.3		188.5	15.8	34.925	85	38.7	7.94
P..KF87	AM143	114.3	12	149.2	4.5	250	170	54.1	3	10.5	98.5	14.5	22.225	57	24.7	4.76
	AM145															
	AM182	215.9	10	184	5		228	66.75	3	15	134.5	16.5	28.575	69	31.7	6.35
	AM184															
	AM213/215		11					79.55	6.3		183.5	15.8	34.925	85	38.7	7.94
	AM254/256		12					95.3	6.3		234	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5		286	111.05	6.3	15	241	15.8	47.625	117	53.4	12.7
P..KF97	AM182	215.9	10	184	5	300	228	66.75	3	15	129.5	16.5	28.575	69	31.7	6.35
	AM184															
	AM213/215		11					79.55	6.3		178.5	15.8	34.925	85	38.7	7.94
	AM254/256		12					95.3	6.3		229	9	41.275	101	45.8	9.53
	AM284/286	266.7	20	228.6	5		286	111.05	6.3	15	236	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5		356	127.05	6.3	17.5	296	34.8	53.975	133	60	12.7
	AM364/365							143.05					60.325	149	67.6	15.875

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P..KF..AM..

45 125 00 08



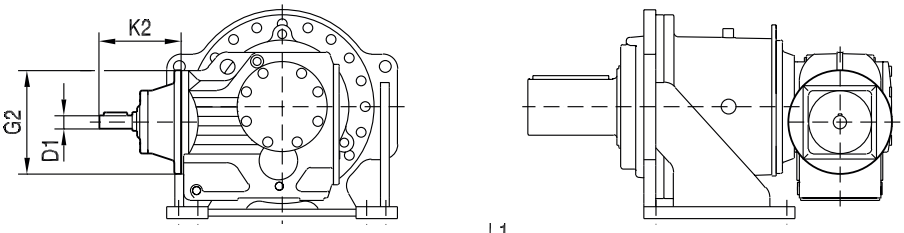
		B5	C5	E5	F5	G2	G5	I2	L5	S5	Z5	Z12	D1	L1	T1	U1
P..KF107	AM182	215.9	10	184	5	350	228	66.85	3	15	123.5	16.5	28.575	69	31.7	6.35
	AM184															
	AM213/215		11					79.55	6.3		172.5	15.8	34.925	85	38.7	7.94
	AM254/256		12					95.3	6.3		223	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5		286	111.05	6.3	15	230	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5		356	127.05	6.3	17.5	290	34.8	53.975	133	60	12.7
	AM364/365							143.05					60.325	149	67.6	15.875
P..KF127	AM213/215	215.9	11	184	5	450	228	79.55	6.3	15	157.5	15.8	34.925	85	38.7	7.94
	AM254/256		12					95.3	6.3		208	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5		286	111.05	6.3	15	215	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5		356	127.05	6.3	17.5	275	34.8	53.975	133	60	12.7
	AM364/365							143.05					60.325	149	67.6	15.875
P..KF157 **P..K167** **P..K187**	AM254/256	215.9	12	184	5	550	228	79.55	6.3	15	200	9	41.275	101	45.8	9.53
	AM284/286	266.7	15	228.6	5		286	95.3	6.3	15	207	15.8	47.625	117	53.4	12.7
	AM324/326	317.5	17	279.4	5		356	111.05	6.3	17.5	267	34.8	53.975	133	60	12.7
	AM364/365							127.05					60.325	149	67.6	15.875

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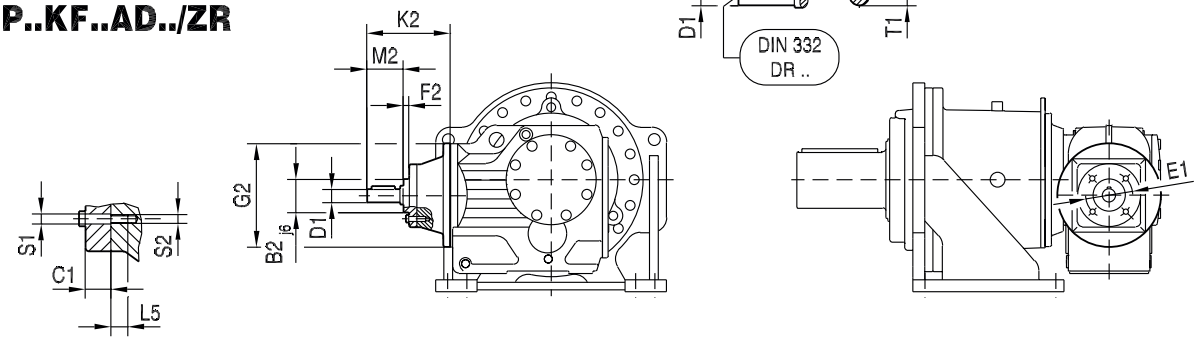
11.10 AD input shaft assembly

P..KF..AD..

46 128 01 08



P..KF..AD../ZR



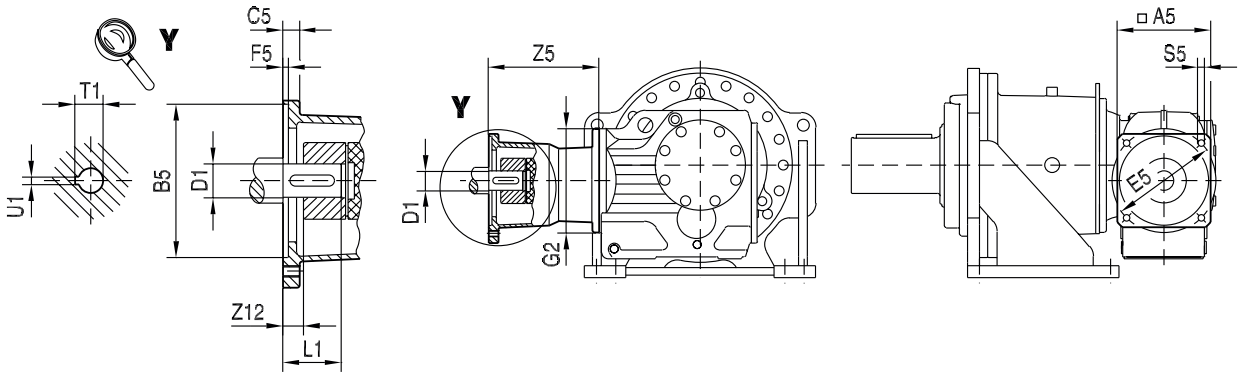
		B2	C1	E1	F2	G2	K2	L5	M2	S1	S2	D1	L1	L13	L14	T1	U1
P..KF77	AD2 , AD2/ZR	55	13.5	80	8	200	116	12	50	9	M8	19	40	4	32	21.5	6
	AD3 , AD3/ZR	70	15.5	105	8		151	16	60	11	M10	24	50	5	40	27	8
	AD4 , AD4/ZR	100	16	130	13		224	20	95.5	13.5	M12	38	80	5	70	41	10
P..KF87	AD2 , AD2/ZR	55	13.5	80	8	250	111	12	50	9	M8	19	40	4	32	21.5	6
	AD3 , AD3/ZR	70	15.5	105	8		156	16	60	11	M10	28	60	5	50	31	8
	AD4 , AD4/ZR	100	16	130	13		219	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		292	20	126	13.5	M12	42	110	10	70	45	12
P..KF97	AD3 , AD3/ZR	70	15.5	105	8	300	151	16	60	11	M10	28	60	5	50	31	8
	AD4 , AD4/ZR	100	16	130	13		214	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		287	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		327	26	130.5	17.5	M16	48	110	10	80	51.5	14
P..KF107	AD3 , AD3/ZR	70	15.5	105	8	350	145	16	60	11	M10	28	60	5	50	31	8
	AD4 , AD4/ZR	100	16	130	13		208	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		281	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		321	26	130.5	17.5	M16	48	110	10	80	51.5	14
P..KF127	AD4 , AD4/ZR	100	16	130	13	450	193	20	95.5	13.5	M12	38	80	5	70	41	10
	AD5 , AD5/ZR	120	24	180	11		266	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		306	26	130.5	17.5	M16	48	110	10	80	51.5	14
	AD7 , AD7/ZR	125	19	190	13		300	30	133	22	M20	55	110	10	90	59	16
	AD8 , AD8/ZR	120	22.5	210	5		383	19.5	155	13.5	M12	70	140	15	110	74.5	20
P..KF127	AD5 , AD5/ZR	120	24	180	11	550	258	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		298	26	130.5	17.5	M16	48	110	10	80	51.5	14
	AD7 , AD7/ZR	125	19	190	13		292	30	133	22	M20	55	110	10	90	59	16
	AD8 , AD8/ZR	120	22.5	210	5		374	19.5	155	13.5	M12	70	140	15	110	74.5	20
K..157 **K..167** **K..187**	AD5 , AD5/ZR	120	24	180	11	550	258	20	126	13.5	M12	42	110	10	70	45	12
	AD6 , AD6/ZR	130	22.5	200	11		298	26	130.5	17.5	M16	48	110	10	80	51.5	14
	AD7 , AD7/ZR	125	19	190	13		292	30	133	22	M20	55	110	10	90	59	16
	AD8 , AD8/ZR	120	22.5	210	5		374	19.5	155	13.5	M12	70	140	15	110	74.5	20

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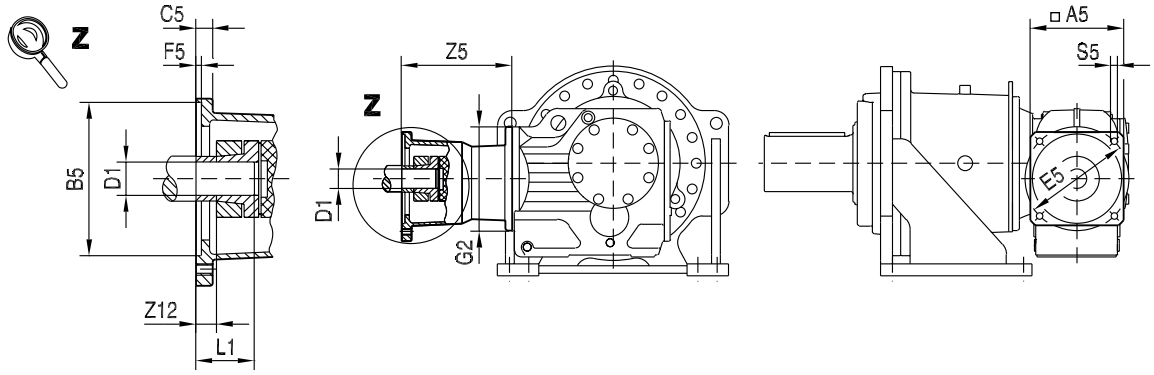
11.11 AQA motor adapters

46 126 01 08

P..KF..AQA..



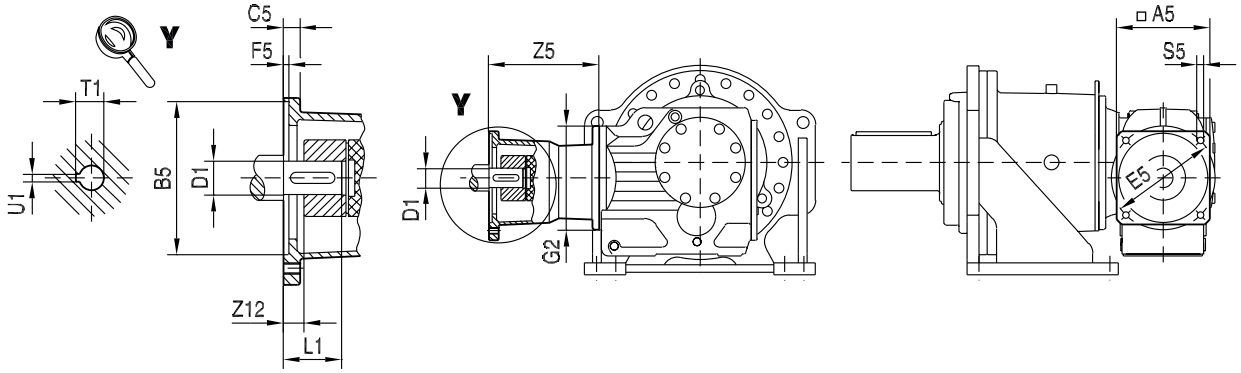
P..KF..AQH..



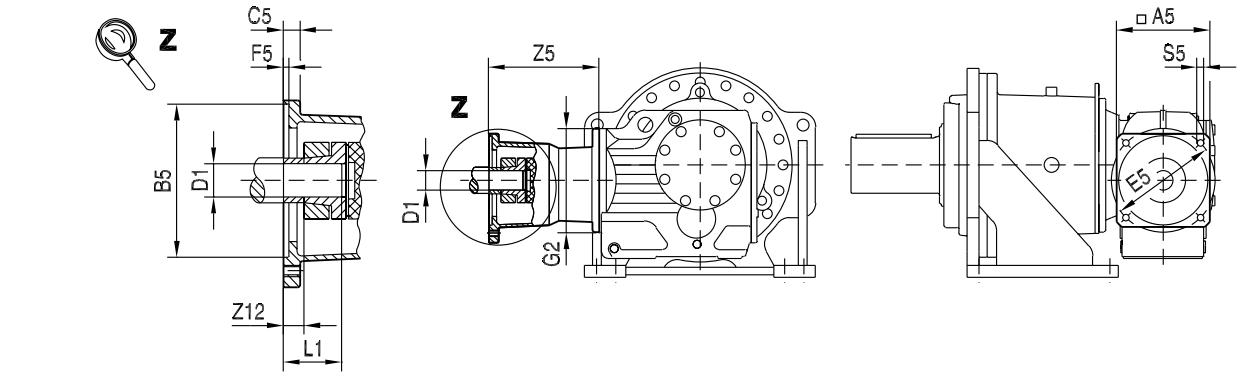
		A5	B5	C5	E5	F5	G2	S5	Z5	AQA Z12	AQH Z12	D1	L1	T1	U1
P..KF77	AQ..80/1	82	60	8	75	3.5	200	M5	92	5.5	5.5	11	23	12.8	4
	AQ..80/2	82	60	8	75	3.5	200	M5	92	5.5	5.5	14	30	16.3	5
	AQ..80/3	82	50	8	95	3	200	M6	92	5.5	5.5	14	30		5
	AQ..100/1	100	80	10	100	4	200	M6	116	0	0	14	30	16.3	5
	AQ..100/2	100	95	12	115	4	200	M8	116	0	0	14	30	16.3	5
	AQ..100/3	100	80	10	100	4	200	M6	130	2	14	19	40	21.8	6
	AQ..100/4	100	95	12	115	4	200	M8	130	2	14	19	40	21.8	6
	AQ..115/1	115	95	12	130	5	200	M8	139	11	23	19	40	21.8	6
	AQ..115/2	115	110	12	130	5	200	M8	139	11	23	19	40	21.8	6
	AQ..115/3	115	110	12	130	5	200	M8	139	16	16	24	50	27.3	8
	AQ..140/1	140	110	15	165	5	200	M10	167	16	16	24	50	27.3	8
	AQ..140/2	140	130	15	165	5	200	M10	167	16	16	24	50	27.3	8
	AQ..140/3	140	130	15	165	5	200	M10	180	22	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5	200	M12	225.5	24	24	32	60	35.3	10
	AQ..190/2	190	180	16	215	5	200	M12	225.5	24	24	32	60	35.3	10
	AQ..190/3	190	180	16	215	5	200	M12	249.5	34	34	38	80	41.3	10
P..KF87	AQ..100/1	100	80	10	100	4	250	M6	111	0	0	14	30	16.3	5
	AQ..100/2	100	95	12	115	4	250	M8	111	0	0	14	30	16.3	5
	AQ..100/3	100	80	10	100	4	250	M6	125	2	14	19	40	21.8	6
	AQ..100/4	100	95	12	115	4	250	M8	125	2	14	19	40	21.8	6
	AQ..115/1	115	95	12	130	5	250	M8	134	11	23	19	40	21.8	6
	AQ..115/2	115	110	12	130	5	250	M8	134	11	23	19	40	21.8	6
	AQ..115/3	115	110	12	130	5	250	M8	134	16	16	24	50	27.3	8
	AQ..140/1	140	110	15	165	5	250	M10	162	16	16	24	50	27.3	8
	AQ..140/2	140	130	15	165	5	250	M10	162	16	16	24	50	27.3	8
	AQ..140/3	140	130	15	165	5	250	M10	175	22	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5	250	M12	220.5	24	24	32	60	35.3	10
	AQ..190/2	190	180	16	215	5	250	M12	220.5	24	24	32	60	35.3	10
	AQ..190/3	190	180	16	215	5	250	M12	244.5	34	34	38	80	41.3	10

46 127 01 08

P..KF..AQA..



P..KF..AQH..



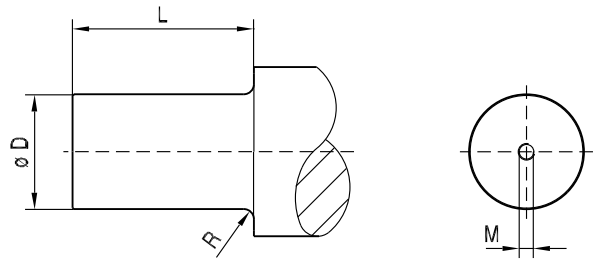
		A5	B5	C5	E5	F5	G2	S5	Z5	AQA Z12	AQH Z12	D1	L1	T1	AU1
P..KF97	AQ..140/1	140	110	15	165	5	300	M10	157	21	16	24	50	27.3	8
	AQ..140/2	140	130	15	165	5	300	M10	157	21	16	24	50	27.3	8
	AQ..140/3	140	130	15	165	5	300	M10	170	24	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5	300	M12	215.5	26	24	32	60	35.3	10
	AQ..190/2	190	180	16	215	5	300	M12	215.5	26	24	32	60	35.3	10
	AQ..190/3	190	180	16	215	5	300	M12	239.5	39	34	38	80	41.3	10
P..KF107	AQ..140/1	140	110	15	165	5	350	M10	151	21	16	24	50	27.3	8
	AQ..140/2	140	130	15	165	5	350	M10	151	21	16	24	50	27.3	8
	AQ..140/3	140	130	15	165	5	350	M10	164	24	22	32	60	35.3	10
	AQ..190/1	190	130	16	215	5	350	M12	209.5	26	24	32	60	35.3	10
	AQ..190/2	190	180	16	215	5	350	M12	209.5	26	24	32	60	35.3	10
	AQ..190/3	190	180	16	215	5	350	M12	233.5	39	34	38	80	41.3	10

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12 Additional dimension sheets

12.1 Output shaft with smooth shaft end

45 003 00 14

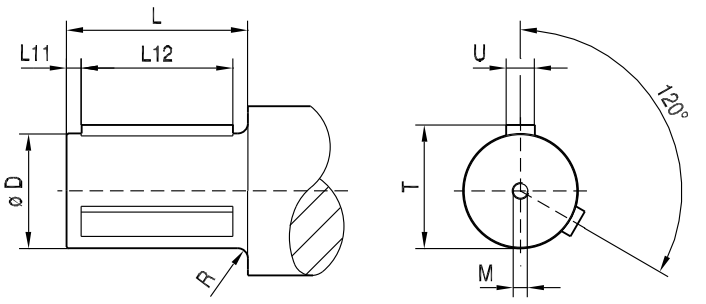


	Ø D	L	M	R
P.002	120_{v6}	200	M20	5
P.012	140_{v6}	220	M20	5
P.022	150_{v6}	220	M20	10
P.032	165_{v6}	250	M20	10
P.042	190_{v6}	300	M20	10
P.052	210^{v6}	350	M24	10
P.062	240_{v6}	400	M24	10
P.072	260^{v6}	400	M24	10
P.082	290^{v6}	450	M24	10
P.092	310_{v6}	450	M24	10
P.102	340_{v6}	550	M30	12

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12.2 Output shaft with 2 keys

45 002 00 14

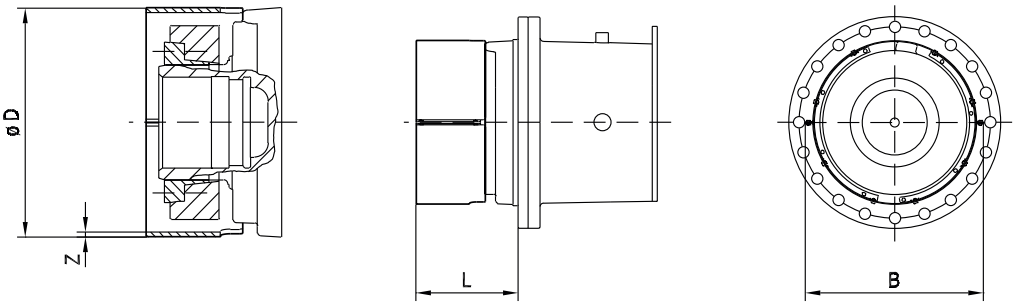


	Ø D	L11	L12	L	T	U	M	R
P.002	120_{m6}	14	165	200	127	32	M20	5
P.012	140_{m6}	15	185	220	148	36	M20	5
P.022	150_{m6}	15	183	220	158	36	M20	10
P032	165_{m6}	15	213	250	174	40	M20	10
P.042	190_{m6}	17,5	255	300	200	45	M20	10
P.052	210_{m6}	17,5	300	350	221	50	M24	10
P.062	240_{m6}	21	340	400	252	56	M24	10
P.072	260_{m6}	22	340	400	272	56	M24	10
P.082	290_{m6}	22	390	450	302	63	M24	10
P.092	310_{m6}	25	390	450	324	70	M24	10
P.102	340_{m6}	25	490	550	355	80	M30	12

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12.3 Protection cover for shrink disk

45 133 00 08



	B	ø D	L	Z
P.002	350	307	176	2
P.012	396	353	182.5	2
P.022	452	409	193	2
P.032	472	429	224.5	2
P.042	522	479	269	2
P.052	566	523	293	2
P.062	636	593	312	2
P.072	712	669	335.5	2
P.082	776	733	360	2
P.092	734	684	399.5	2
P.102	824	774	435.5	2

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13 Address Directory

Germany			
Headquarters Production plant Sales	**Bruchsal**	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Strasse 42 76646 Bruchsal, Germany P.O. box address Postfach 3023 • D-76642 Bruchsal, Germany	Tel. +49 7251 75-0 Fax +49 7251 75-1970 http://www.seweurodrive.com sew@sew-eurodrive.de
Production Plant / Industrial Gear Units	**Bruchsal**	SEW-EURODRIVE GmbH & Co KG Christian-Pähr-Str.10 76646 Bruchsal, Germany	Tel. +49 7251 75-0 Fax +49 7251 75-2970
Production plant	**Graben**	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Strasse 1 76676 Graben-Neudorf, Germany P.O. box address Postfach 1220 • 76671 Graben-Neudorf, Germany	Tel. +49 7251 75-0 Fax +49 7251 75-2970
	Östringen	SEW-EURODRIVE GmbH & Co KG, Oestringen Plant Franz-Gurk-Strasse 2 76684 Oestringen, Germany	Tel. +49 7253 9254-0 Fax +49 7253 9254-90 oestringen@sew-eurodrive.de
Service Competence Centers	**Mechanical/ Mechatronic Components**	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Strasse 1 76676 Graben-Neudorf, Germany	Tel. +49 7251 75-1710 Fax +49 7251 75-1711 sc-mitte@sew-eurodrive.de
	Electronics	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Strasse 42 76646 Bruchsal, Germany	Tel. +49 7251 75-1780 Fax +49 7251 75-1769 sc-elektronik@sew-eurodrive.de
Drive Technology Center	**North**	SEW-EURODRIVE GmbH & Co KG Alte Ricklinger Strasse 40-42 30823 Garbsen (near Hanover)	Tel. +49 5137 8798-30 Fax +49 5137 8798-55 sc-nord@sew-eurodrive.de
	East	SEW-EURODRIVE GmbH & Co KG Daenkritzer Weg 1 08393 Meerane (near Zwickau)	Tel. +49 3764 7606-0 Fax +49 3764 7606-30 sc-ost@sew-eurodrive.de
	South	SEW-EURODRIVE GmbH & Co KG Domagkstrasse 5 85551 Kirchheim (near Munich)	Tel. +49 89 909552-10 Fax +49 89 909552-50 sc-sued@sew-eurodrive.de
	West	SEW-EURODRIVE GmbH & Co KG Siemensstrasse 1 40764 Langenfeld (near Düsseldorf)	Tel. +49 2173 8507-30 Fax +49 2173 8507-55 sc-west@sew-eurodrive.de
	Drive Service Hotline/24-hour availability		+49 800 SEWHELP +49 800 7394357
Technical offices	**Augsburg**	SEW-EURODRIVE GmbH & Co KG August-Wessels-Strasse 27 86156 Augsburg, Germany	Tel. +49 821 22779-10 Fax +49 821 22779-50 tb-augsburg@sew-eurodrive.de
	Berlin	SEW-EURODRIVE GmbH & Co KG Lilienthalstrasse 3a 12529 Schoenefeld, Germany	Tel. +49 306331131-30 Fax +49 306331131-36 tb-berlin@sew-eurodrive.de
	Lake Constance	SEW-EURODRIVE GmbH & Co KG Dornierstraße 4 88677 Markdorf, Germany	Tel. +49 7544 96590-90 Fax +49 7544 96590-99 tb-bodensee@sew-eurodrive.de
	Bremen	SEW-EURODRIVE GmbH & Co KG Bornstr.19 ... 22 28195 Bremen, Germany	Tel. +49 421 33918-10 Fax +49 421 33918-22 tb-bremen@sew-eurodrive.de
	Dortmund	SEW-EURODRIVE GmbH & Co KG Hildastraße 8 44145 Dortmund, Germany	Tel. +49 231 229028-10 Fax +49 231 229028-20 tb-dortmund@sew-eurodrive.de
	Dresden	SEW-EURODRIVE GmbH & Co KG Hauptstrasse 32 01445 Radebeul, Germany	Tel. +49 351 26338-0 Fax +49 351 26338-38 tb-dresden@sew-eurodrive.de
	Erfurt	SEW-EURODRIVE GmbH & Co KG Dubliner Strasse 12 99091 Erfurt, Germany	Tel. +49 361 21709-70 Fax +49 361 21709-79 tb-erfurt@sew-eurodrive.de
	Guestrow	SEW-EURODRIVE GmbH & Co KG Glasewitzer Chaussee 33 B 18273 Guestrow, Germany P.O. box address Postfach 1216 • 18262 Güstrow, Germany	Tel. +49 3843 8557-80 Fax +49 3843 8557-88 tb-guestrow@sew-eurodrive.de

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SEW EURODRIVE

Germany			
	Hamburg	SEW-EURODRIVE GmbH & Co KG Bramfelder Strasse 119 22305 Hamburg, Germany	Tel. +49 40 298109-60 Fax +49 40 298109-70 tb-hamburg@sew-eurodrive.de
	Hanover/Garbsen	SEW-EURODRIVE GmbH & Co KG Alte Ricklinger Str.40-42 30823 Garbsen, Germany P.O. box address Postfach 1104 53 • 30804 Garbsen, Germany	Tel. +49 5137 8798-10 Fax +49 5137 8798-50 tb-hannover@sew-eurodrive.de
	Heilbronn	SEW-EURODRIVE GmbH & Co KG Zeppelinstrasse 7 74357 Boennigheim, Germany	Tel. +49 7143 8738-0 Fax +49 7143 8738-25 tb-heilbronn@sew-eurodrive.de
	Herford	SEW-EURODRIVE GmbH & Co KG Göbenstraße 3 – 7 32052 Herford	Tel. +49 5221 9141-0 Fax +49 5221 9141-20 tb-herford@sew-eurodrive.de
	Karlsruhe	SEW-EURODRIVE GmbH & Co KG Ettlinger Weg 2 76467 Bietigheim, Germany P.O. box address Postfach 43 • 76463 Bietigheim, Germany	Tel. +49 7245 9190-10 Fax +49 7245 9190-20 tb-karlsruhe@sew-eurodrive.de
	Kassel	SEW-EURODRIVE GmbH & Co KG Lange Strasse 14 34253 Lohfelden, Germany	Tel. +49 561 95144-80 Fax +49 561 95144-90 tb-kassel@sew-eurodrive.de
	Koblenz	SEW-EURODRIVE GmbH & Co KG Bahnstrasse 17a 56743 Mendig, Germany	Tel. +49 2652 9713-30 Fax +49 2652 9713-40 tb-koblenz@sew-eurodrive.de
	Lahr	SEWEURODRIVE GmbH & Co KG Europastrasse 3/1 77933 Lahr/Schwarzwald, Germany	Tel. +49 7821 90999-60 Fax +49 7821 90999-79 tb-lahr@sew-eurodrive.de
	Langenfeld	SEW-EURODRIVE GmbH & Co KG Siemensstrasse 1 40764 Langenfeld, Germany	Tel. +49 2173 8507-10 Fax +49 2173 8507-50 tb-langenfeld@sew-eurodrive.de
	Magdeburg	SEW-EURODRIVE GmbH & Co KG Breiteweg 53 39179 Barleben, Germany	Tel. +49 39203 7577-1 Fax +49 39203 7577-9 tb-magdeburg@sew-eurodrive.de
	Mannheim	SEW-EURODRIVE GmbH & Co KG Besselstrasse 26 68219 Mannheim, Germany	Tel. +49 621 71683-10 Fax +49 621 71683-22 tb-mannheim@sew-eurodrive.de
	Munich	SEW-EURODRIVE GmbH & Co KG Domagkstrasse 5 85551 Kirchheim, Germany	Tel. +49 89 90955-110 Fax +49 89 90955-150 tb-muenchen@sew-eurodrive.de
	Muenster	SEW-EURODRIVE GmbH & Co KG Hafenplatz 4 48155 Muenster, Germany	Tel. +49 251 41475-11 Fax +49 251 41475-50 tb-muenster@sew-eurodrive.de
	Nuremberg	SEW-EURODRIVE GmbH & Co KG Plattenaeckerweg 6 90455 Nuremberg, Germany	Tel. +49 911 98884-50 Fax +49 911 98884-60 tb-nuernberg@sew-eurodrive.de
	Regensburg	SEW-EURODRIVE GmbH & Co KG Im Gewerbepark A15 93059 Regensburg, Germany	Tel. +49 941 46668-68 Fax +49 941 46668-66 tb-regensburg@sew-eurodrive.de
	Rhine-Main	SEW-EURODRIVE GmbH & Co KG Niederstedter Weg 5 61348 Bad Homburg, Germany	Tel. +49 6172 9617-0 Fax +49 6172 9617-50 tb-rheinmain@sew-eurodrive.de
	Stuttgart	SEW-EURODRIVE GmbH & Co KG Friedrich-List-Strasse 46 70771 Leinfelden-Echterdingen, Germany	Tel. +49 711 16072-0 Fax +49 711 16072-72 tb-stuttgart@sew-eurodrive.de
	Ulm	SEWEURODRIVE GmbH & Co KG Dieselstrasse 14 89160 Dornstadt, Germany	Tel. +49 7348 9885-0 Fax +49 7348 9885-90 tb-ulm@sew-eurodrive.de
	Drive Center Wuerzburg	SEW-EURODRIVE GmbH & Co KG Nuernbergerstrasse 118 97076 Wuerzburg-Lengfeld, Germany	Tel. +49 931 27886-60 Fax +49 931 27886-66 tb-wuerzburg@sew-eurodrive.de
	Zwickau / Meerane	SEW-EURODRIVE GmbH & Co KG Dänkritzer Weg 1 08393 Meerane, Germany	Tel. +49 3764 7606-0 Fax +49 3764 7606-20 tb-zwickau@sew-eurodrive.de

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France			
Production plant **Sales** **Service**	**Haguenau**	SEW-USOCOME 48-54 route de Soufflenheim B. P. 20185 67506 Haguenau Cedex, France	Tel. +33 3 88 73 67 00 Fax +33 3 88 73 66 00 http://www.usocome.com sew@usocome.com
Production plant	**Forbach**	SEW-USOCOME Zone industrielle Technopôle Forbach Sud B. P. 30269 57604 Forbach Cedex, France	Tel. +33 3 87 29 38 00
Assembly plant **Sales** **Service**	**Bordeaux**	SEW-USOCOME Parc d'activités de Magellan 62 avenue de Magellan - B. P. 182 33607 Pessac Cedex, France	Tel. +33 5 57 26 39 00 Fax +33 5 57 26 39 09
	Lyon	SEW-USOCOME Parc d'affaires Roosevelt Rue Jacques Tati 69120 Vaulx en Velin, France	Tel. +33 4 72 15 37 00 Fax +33 4 72 15 37 15
	Nantes	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles 44140 Le Bignon, France	Tel. +33 2 40 78 42 00 Fax +33 2 40 78 42 20
	Paris	SEW-USOCOME Zone industrielle 2 rue Denis Papin 77390 Verneuil l'Etang, France	Tel. +33 1 64 42 40 80 Fax +33 1 64 42 40 88
Technical offices	**Alsace**	SEW-USOCOME 1 rue Auguste Gasser 68360 Soultz, France	Tel. +33 3 89 74 51 62 Fax +33 3 89 76 58 71
	Aquitaine/Charente	SEW-USOCOME Parc d'activités de Magellan 62 avenue de Magellan - B.P.182 33607 Pessac Cedex, France	Tel. +33 5 57 26 39 08 Fax +33 5 57 26 39 09
	Auvergne/Limousin	SEW-USOCOME Farges 19600 Chasteaux, France	Tel. +33 5 55 20 12 10 Fax +33 5 55 20 12 11
	Lower Normandy	SEW-USOCOME 5 rue de la Limare 14250 Brouay, France	Tel. +33 2 31 37 92 86 Fax +33 2 31 74 68 15
	Burgundy	SEW-USOCOME 10 rue de la poste 71350 Saint Loup Géanges, France	Tel. +33 3 85 49 92 18 Fax +33 3 85 49 92 19
	Brittany	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles 44140 Le Bignon, France	Tel. +33 2 40 78 42 04 Fax +33 2 40 78 42 20
	Centre/Poitou	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles 44140 Le Bignon, France	Tel. +33 2 40 78 42 11 Fax +33 2 40 78 42 20
	Champagne-Ardenne	SEW-USOCOME 25 bis rue Victor Hugo Appartement 7 10120 Saint André les Vergers, France	Tel. +33 3 25 79 63 24 Fax +33 3 25 79 63 25
	Franche-Comté	SEW-USOCOME 24 avenue Charles Boby 70000 Quincey, France	Tel. +33 3 81 60 20 47 Fax +33 3 81 87 75 93
	Île-de-France East/Aisne	SEW-USOCOME 20 rue Félix Faure 02100 Saint Quentin, France	Tel. +33 3 23 62 81 24 Fax +33 3 23 62 81 44
	Île-de-France North/Picardy	SEW-USOCOME 25bis rue Kléber 92300 Levallois Perret, France	Tel. +33 1 41 05 92 74 Fax +33 1 41 05 92 75
	Île-de-France South	SEW-USOCOME 6 chemin des bergers Lieu-dit Marchais 91410 Roinville sous Dourdan, France	Tel. +33 1 60 81 10 56 Fax +33 1 60 81 10 57

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France			
	Lothringen/Northern Alsace	SEW-USOCOME 1 rue de la forêt 54250 Champigneulles, France	Tel. +33 3 83 96 28 04 Fax +33 3 83 96 28 07
	Midi-Pyrénées/ Roussillon	SEW-USOCOME 179 route de Grazac 31190 Caujac, France	Tel. +33 5 61 08 15 85 Fax +33 5 61 08 16 44
	Nord-Pas-de-Calais	SEW-USOCOME 209, route d'Hesdigneul 62360 Hesdin l'Abbé, France	Tel. +33 3 21 10 86 86 Fax +33 3 21 10 86 87
	Paris/Île-de-France West	SEW-USOCOME 42 avenue Jean Jaurès 78580 Maule, France	Tel. +33 1 30 90 89 86 Fax +33 1 30 90 93 15
	Pays de la Loire	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles 44140 Le Bignon, France	Tel. +33 2 40 78 42 03 Fax +33 2 40 78 42 20
	Provence-Alpes-Côte d'Azur	SEW-USOCOME Le Clos Montolivet 9 impasse Bounin – Bât. A 13012 Marseille, France	Tel. +33 4 91 18 00 11 Fax +33 4 91 18 00 12
	Rhône-Alpes East	SEW-USOCOME Montée de la Garenne 26750 Génissieux, France	Tel. +33 4 75 05 65 95 Fax +33 4 75 05 65 96
	Rhône-Alpes North	SEW-USOCOME Parc d'affaires Roosevelt Rue Jacques Tati 69120 Vaulx en Velin, France	Tel. +33 4 72 15 37 03 Fax +33 4 72 15 37 15
	Rhône-Alpes West	SEW-USOCOME Parc d'affaires Roosevelt Rue Jacques Tati 69120 Vaulx en Velin, France	Tel. +33 4 72 15 37 04 Fax +33 4 72 15 37 15

Egypt			
Sales **Service**	**Cairo**	Copam Egypt for Engineering & Agencies 33 El Hegaz ST, Heliopolis, Cairo, Egypt	Tel. +20 2 22566-299 +1 23143088 Fax +20 2 22594-757 http://www.copam-egypt.com/ copam@datum.com.eg

Algeria			
Sales	**Algiers**	REDUCOM Sarl 16, rue des Frères Zaghnoune Bellevue 16200 El Harrach Alger	Tel. +213 21 8214-91 Fax +213 21 8222-84 info@reducom-dz.com http://www.reducom-dz.com

Argentina			
Assembly plant **Sales**	**Buenos Aires**	SEW EURODRIVE ARGENTINA S.A. Ruta Panamericana Km 37.5, Lote 35 (B1619IEA) Centro Industrial Garín Prov. de Buenos Aires	Tel. +54 3327 4572-84 Fax +54 3327 4572-21 sewar@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
	Córdoba	SEW EURODRIVE ARGENTINA S.A. Ruta Nacional 19, Manzana 97, Lote 5 (X5125) Malvinas Argentinas Prov. de Córdoba	Tel. +54 351-490-0010 sewcor@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
	Santa Fe	SEW EURODRIVE ARGENTINA S.A. Ruta Prov. 21 Km 7, Lote 41 Parque Industrial Alvear (2126) Gral. Alvear Prov. de Santa Fe	Tel. +54 341-317-7277 sewsfe@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
Service	**Mendoza**	SEW EURODRIVE ARGENTINA S.A.	Tel. +54 261-430-0060 sewmen@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
Technical offices	**Tucumán**	SEW EURODRIVE ARGENTINA S.A. Balcarce 609 (T4000IAM) S.M. de Tucumán Prov. de Tucumán	Tel. +54 381-400-4569 sewtuc@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar

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Argentina			
	Bahía Blanca	SEW EURODRIVE ARGENTINA S.A. O'Higgins 95, 1er Piso A (B8000IVA) Bahía Blanca Prov. de Buenos Aires	Tel. +54 291-451-7345 sewbb@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
	Comahue	SEW EURODRIVE ARGENTINA S.A. Puerto Rico 1885 (R8324IOE) Cipolletti Prov. de Río Negro	Tel. +54 299-478-1290 sewcomahue@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
Mining	**Mendoza**	SEW EURODRIVE ARGENTINA S.A.	Tel. +54 261-430-0060 mineria@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
Australia			
Assembly plants **Sales** **Service**	**Melbourne**	SEW-EURODRIVE PTY. LTD. 27 Beverage Drive Tullamarine, Victoria 3043, Australia	Tel. +61 3 9933-1000 Fax +61 3 9933-1003 http://www.sew-eurodrive.com.au enquires@sew-eurodrive.com.au
	Sydney	SEW-EURODRIVE PTY. LTD. 9, Sleigh Place, Wetherill Park New South Wales, 2164, Australia	Tel. +61 2 9725-9900 Fax +61 2 9725-9905 enquires@sew-eurodrive.com.au
Sales **Service**	**Adelaide**	SEW-EURODRIVE PTY. LTD. 9C Park Way Mawson Lakes, SA 5095, Australia	Tel. +61 8 8161 4000 Fax +61 8 8161 4002 enquires@sew-eurodrive.com.au
	Brisbane	SEW-EURODRIVE PTY.LTD. 1 /34 Collinsvale St Rocklea, Queensland, 4106, Australia	Tel. +61 7 3276 5100 Fax +61 7 3276 5102 enquires@sew-eurodrive.com.au
	Perth	SEW-EURODRIVE PTY. LTD. 10 Colin Jamieson Drive Welshpool, WA 6106, Australia	Tel. +61 8 9251-4900 Fax +61 8 9251-4903 enquires@sew-eurodrive.com.au
Sales	**Townsville**	SEW-EURODRIVE PTY. LTD. 12 Leyland Street Garbutt, QLD 4814, Australia	Tel. +61 7 4779 4333 Fax +61 7 4779 5333 enquires@sew-eurodrive.com.au
Bangladesh			
Sales	**Bangladesh**	SEW-EURODRIVE INDIA PRIVATE LIMITED 345 DIT Road East Rampura Dhaka-1219, Bangladesh	Mobile +88 01729 097309 salesdhaka@seweurodrivebangla-desh.com
Belgium			
Assembly plant **Sales** **Service**	**Brussels**	**SEW-EURODRIVE n.v./s.a.** Researchpark Haasrode 1060 Evenementenlaan 7 BE-3001 Leuven	Tel. +32 16 386-311 Fax +32 16 386-336 http://www.sew-eurodrive.be info@sew-eurodrive.be
Service Competence Centers	**Industrial gear units**	**SEW-EURODRIVE n.v./s.a.** Rue de Parc Industriel, 31 6900 Marche-en-Famenne, Belgium	Tel. +32 84 219-878 Fax +32 84 219-879 http://www.sew-eurodrive.be service-wallonie@sew-eurodrive.be
Brazil			
Production plant **Sales** **Service**	**São Paulo**	SEW-EURODRIVE Brasil Ltda. Avenida Amâncio Gaiolli, 152 - Rodovia Presi-dente Dutra Km 208 Guarulhos - 07251-250 - SP, Brazil SAT - SEW ATENDE - 0800 7700496	Tel. +55 11 2489-9133 Fax +55 11 2480-3328 http://www.sew-eurodrive.com.br sew@sew.com.br
Assembly plants **Sales** **Service**	**Rio Claro**	SEW-EURODRIVE Brasil Ltda. Rodovia Washington Luiz, Km 172 Condomínio Industrial Conpark Caixa Postal: 327 13501-600 – Rio Claro / SP	Tel. +55 19 3522-3100 Fax +55 19 3524-6653 montadora.rc@sew.com.br
	Joinville	SEW-EURODRIVE Brasil Ltda. Rua Dona Francisca, 12.346 – Pirabeiraba 89239-270 – Joinville / SC	Tel. +55 47 3027-6886 Fax +55 47 3027-6888 filial.sc@sew.com.br
	Indaiatuba	SEW-EURODRIVE Brasil Ltda. Estrada Municipal Jose Rubim, 205 Rodovia Santos Dumont Km 49 13347-510 – Indaiatuba / SP	Tel. +55 19 3835-8000 sew@sew.com.br

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Bulgaria			
Sales	**Sofia**	BEVER-DRIVE GmbH Bogdanovetz Str.1 1606 Sofia, Bulgaria	Tel. +359 2 9151160 Fax +359 2 9151166 bever@bever.bg

Chile			
Assembly plant **Sales** **Service**	**Santiago de Chile**	SEW-EURODRIVE CHILE LTDA. Las Encinas 1295 Parque Industrial Valle Grande LAMPA RCH-Santiago de Chile P.O. box address Casilla 23 Correo Quilicura - Santiago - Chile	Tel. +56 2 75770-00 Fax +56 2 75770-01 http://www.sew-eurodrive.cl ventas@sew-eurodrive.cl

China			
Production plant **Assembly plant** **Sales** **Service**	**Tianjin**	SEW-EURODRIVE (Tianjin) Co., Ltd. No. 46, 7th Avenue, TEDA Tianjin 300457	Tel. +86 22 25322612 Fax +86 22 25323273 info@sew-eurodrive.cn http://www.sew-eurodrive.cn
Assembly plant **Sales** **Service**	**Suzhou**	SEW-EURODRIVE (Suzhou) Co., Ltd. 333, Suhong Middle Road Suzhou Industrial Park Jiangsu Province, 215021	Tel. +86 51262581781 Fax +86 512 62581783 suzhou@sew-eurodrive.cn
	Guangzhou	SEW-EURODRIVE (Guangzhou) Co., Ltd. No. 9, JunDa Road East Section of GETDD Guangzhou 510530, China	Tel. +86 20 82267890 Fax +86 20 82267922 guangzhou@sew-eurodrive.cn
	Shenyang	SEW-EURODRIVE (Shenyang) Co., Ltd. 10A-2, 6th Road Shenyang Economic Technological Development Area Shenyang, 110141, China	Tel. +86 24 25382538 Fax +86 24 25382580 shenyang@sew-eurodrive.cn
	Wuhan	SEW-EURODRIVE (Wuhan) Co., Ltd. 10A-2, 6th Road No. 59, the 4th Quanli Road, WEDA 430056 Wuhan, China	Tel. +86 27 84478388 Fax +86 27 84478389 wuhan@sew-eurodrive.cn
	Xi'An	SEW-EURODRIVE (Xi'An) Co., Ltd. No. 12 Jinye 2nd Road Xi'An High-Technology Industrial Development Zone Xi'An 710065	Tel. +86 29 68686262 Fax +86 29 68686311 xian@sew-eurodrive.cn

Denmark			
Assembly plant **Sales** **Service**	**Copenhagen**	SEW-EURODRIVE A/S Geminivej 28-30 2670 Greve, Denmark	Tel. +45 43 9585-00 Fax +45 43 9585-09 http://www.sew-eurodrive.dk sew@sew-eurodrive.dk

Côte d'Ivoire			
Sales	**Abidjan**	SICA Société Industrielle & Commerciale pour l'Afrique 165, Boulevard de Marseille 26 BP 1173 Abidjan 26	Tel. +225 21 25 79 44 Fax +225 21 25 88 28 sicamot@aviso.ci

Estonia			
Sales	**Tallinn**	ALAS-KUUL AS Reti tee 4 EE-75301 Peetri küla, Rae vald, Harjumaa, Estonia	Tel. +372 6593230 Fax +372 6593231 veiko.soots@alas-kuul.ee

Finland			
Assembly plant **Sales** **Service**	**Hollola**	SEW-EURODRIVE OY Vesimäentie 4 15860 Hollola 2, Finland	Tel. +358 201 589-300 Fax +358 3 780-6211 http://www.sew-eurodrive.fi sew@sew.fi
Service	**Hollola**	SEW-EURODRIVE OY Keskikankaantie 21 FIN-15860 Hollola	Tel. +358 201 589-300 Fax +358 3 780-6211 http://www.sew-eurodrive.fi sew@sew.fi

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Finland			
Technical offices	**Helsinki**	SEW-EURODRIVE OY Luutnantintie 5 00410 Helsinki, Finland	Tel. +358 201 589-300 sew@sew.fi
	Vaasa	SEW-EURODRIVE OY Asemakatu 7 65100 Vaasa, Finland	Tel. +358 201 589-300 sew@sew.fi
	Kuopio	SEW-EURODRIVE OY Viestikatu 3 70600 Kuopio, Finland	Tel. +358 201 589-300 sew@sew.fi
Production plant **Assembly plant**	**Karkkila**	SEW Industrial Gears Oy Valurinkatu 6, PL 8 FI-03600 Karkkila, 03601 Karkkila	Tel. +358 201 589-300 Fax +358 201 589-310 sew@sew.fi http://www.sew-eurodrive.fi

Gabon			
Sales	**Libreville, Gabon**	ESG Electro Services Gabun Feu Rouge Lalala 1889 Libreville Gabon	Tel. +241 741059 Fax +241 741059 esg_services@yahoo.fr

Greece			
Sales	**Athens**	Christ. Boznos & Son S.A. 12, K. Mavromichali Street P.O. Box 80136 GR-18545 Piraeus	Tel. +30 2 1042 251-34 Fax +30 2 1042 251-59 http://www.boznos.gr info@boznos.gr
Technical office	**Thessaloniki**	Christ. Boznos & Son S.A. Asklipiou 26 562 24 Evosmos, Thessaloniki, Greece	Tel. +30 2 310 7054-00 Fax +30 2 310 7055-15 info@boznos.gr

Great Britain			
Assembly plant **Sales** **Service**	**Normanton**	SEW-EURODRIVE Ltd. DeVilliers Way Trident Park Normanton West Yorkshire WF6 1GX	Tel. +44 1924 893-855 Fax +44 1924 893-702 http://www.sew-eurodrive.co.uk info@sew-eurodrive.co.uk
	Drive Service Hotline/24-hour availability		Tel. +44 1924 896911
Service Competence Centers	**Southern England**	SEW-EURODRIVE Ltd. Unit 41 Easter Park Benyon Road Silchester Reading Berkshire RG7 2PQ	Tel. +44 1189 701-699 Fax +44 1189 701-021
Technical offices	**Midlands**	SEW-EURODRIVE Ltd. 5 Sugar Brook Court Aston Road Bromsgrove Worcs. B60 3EX	Tel. +44 1527 877-319 Fax +44 1527 575-245
	Scotland	SEW-EURODRIVE Ltd. No 37 Enterprise House Springkerse Business Park Stirling FK7 7UF	Tel. +44 17 8647-8730 Fax +44 17 8645-0223

Hong Kong			
Assembly plant **Sales** **Service**	**Hong Kong**	SEW-EURODRIVE LTD. Unit No. 801-806, 8th Floor Hong Leong Industrial Complex No. 4, Wang Kwong Road Kowloon, Hong Kong	Tel. +852 36902200 Fax +852 36902211 contact@sew-eurodrive.hk

India			
Company office **Assembly plant** **Sales** **Service**	**Vadodara**	SEW-EURODRIVE India Private Limited Plot No. 4, GIDC POR Ramangamdi • Vadodara - 391 243, India Gujarat	Tel. +91 265 3045200, +91 265 2831086 Fax +91 265 3045300, +91 265 2831087 http://www.seweurodriveindia.com salesvadodara@seweurodriveindia.com

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India			
Assembly plant **Sales** **Service**	**Chennai**	SEW-EURODRIVE India Private Limited Plot No. K3/1, Sipcot Industrial Park Phase II Mambakkam Village Sriperumbudur - 602105 Kancheepuram Dist, Tamil Nadu	Tel. +91 44 37188888 Fax +91 44 37188811 saleschennai@seweurodriveindia.com
Technical offices	**Ahmedabad**	SEW-EURODRIVE India Private Limited 306, Shaan office complex, Behind Sakar-IV, Ellisebridge, Ashram Road Ahmedabad – Gujarat, India	Tel. +91 79 40072067/68 Fax +91 79 40072069 salesahmedabad@seweurodrivein-dia.com
	Aurangabad	SEW-EURODRIVE INDIA PRIVATE LIMITED	Tel. +91 86000 12333 salesaurangabad@seweurodrivein-dia.com
	Bangalore	SEW-EURODRIVE India Private Limited Sy.no:41-P3, Peenya1, Phase 1A, Peenya Village, Yeswanthapura Hobli, Bangalore North Taluk, Bangalore Dist, Karnataka	Tel. +91 80 22266565 Fax +91 80 22266569 salesbangalore@seweurodriveindia.com
		SEW-EURODRIVE India Private Limited # C-104, 3rd Block, KSSIDC Complex, Electronic City. Bangalore – 560100, Karnataka	Tel. +91 80 28522662 / 28522663 salesbangalore@seweurodriveindia.com
	Bangladesh	SEW-EURODRIVE INDIA PRIVATE LIMITED Genetic Udayanchal, House-96 (6th Floor), Road-23/A, Block-B, Banani, Dhaka-1213, Bangladesh	Mobile +88 01729 097309 salesdhaka@seweurodrivebangla-desh.com
	Bellary	SEW-EURODRIVE India Private Limited Door no-56/279 Ward No-16, Sindhigi compound, Near Raghavendra talkies, Bellary-583101 Karnataka	Tel. +91 77609 88668 salesbellary@seweurodriveindia.com
	Chandigarh	SEW-EURODRIVE India Private Limited # 72, Type- 4, Power Colony, Chandigarh - Rupnagar Highway Rupnagar- 140001, Punjab	Tel. +91 81462 67606 saleschandigarh@seweurodrivein-dia.com
	Chennai	SEW-EURODRIVE India Private Limited 2nd Floor, Josmans Complex, No. 5, McNichols Road, Chetpet Chennai - 600031 - Tamil Nadu, India	Tel. +91 44 42849813 Fax +91 44 42849816 saleschennai@seweurodriveindia.com
	Kochi	SEW-EURODRIVE India Private Limited CF7-(2), Block No 1, Vasanth Nagar, Opposite Jawahar Lal Nehru Stadium, Palarivattom – Cochin 682025	Tel. +91 98951 30375 salescochin@seweurodriveindia.com
	Coimbatore	SEW-EURODRIVE INDIA PRIVATE LIMITED 687/2, SRI SAKTHIVEL TOWERS (NEAR DEEPAM HOSPITAL) TRICHY ROAD, RAMANATHAPURAM COIMBATORE - 641 045.Tamilnadu, India	Tel. +91 422 2322420 Fax +91 422 2323988 salescoimbatore@seweurodrivein-dia.com
	Cuttack	SEW-EURODRIVE India Private Limited Plot No. 1764, Nuasahi, Nayapalli Bhubaneswar-12 Orissa	Tel. +91 9937446333 salescuttack@seweurodriveindia.com
	Gandhidham	SEW-EURODRIVE India Private Limited TCX-S-28, FF, Ward 12/A, Gandhidham - Kutch - 370201	Tel. +91 81282 36850 salesgandhidham@seweurodrivein-dia.com
	Hyderabad	SEW-EURODRIVE India Private Limited 408, 4th Floor, Meridian Place Green Park Road Amerpeet Hyderabad - 500016 - Andhra Pradesh, India	Tel. +91 40 23414698 Fax +91 40 23413884 saleshyderabad@seweurodriveindia.com
	Jamshedpur	SEW-EURODRIVE India Private Limited Flat no.: S1 " Kashi Kunj",h. No. 60, New Rani Kudar Road No - 3 P.o. + P.s. - Kadma Jamshedpur - Pin - 831005 Jharkhand	Tel. +91 9934123671 salesjamshedpur@seweurodrivein-dia.com

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India			
	Kolhapur	SEW EURODRIVE India Private Limited	Tel. +91 86000 20846 saleskolhapur@seweurodriveindia.com
	Kolkata	SEW EURODRIVE India Private Limited 2nd floor, Room No. 35 Chowringhee Court 55, Chowringhee Road Kolkata - 700 071 - West Bengal, India	Tel. +91 33 22827457 Fax +91 33 22894204 saleskolkata@seweurodriveindia.com
	Lucknow	SEW-EURODRIVE India Private Limited 69, Shiv Vihar Colony Vikas Nagar-5 Lucknow 226022 - Uttar Pradesh	Tel. +91 9793627333 saleslucknow@seweurodriveindia.com
	Mumbai	SEW-EURODRIVE India Private Limited 312 A, 3rd Floor, Acme Plaza, J.B. Nagar, Andheri Kurla Road, Andheri (E) Mumbai - 400059 - Maharashtra, India	Tel. +91 22 28348440 Fax +91 22 28217858 salesmumbai@seweurodriveindia.com
	Nagpur	SEW-EURODRIVE India Private Limited Plot No 49, New Kailash Nager, Samta colony, Nagpur-440027	Tel. +91 95610 89525 salesnagpur@seweurodriveindia.com
	Nashik	SEW-EURODRIVE India Private Limited 107, "YOG" Bunglow, Mahatama Nagar, Trimbak Road, Nashik, Maharashtra – 422 007	Tel. +91 9665752978 salesnashik@seweurodriveindia.com
	New Delhi	SEW-EURODRIVE India Private Limited 1008, 10th Floor, 12th Level "Westend Mall" Tower Plot, District Centre Adjacent Hotel Hilton Janak Puri, New Delhi – 110058	Tel. +91 11 25544111 Fax +91 11 25544113 salesdelhi@seweurodriveindia.com
	Pune	SEW-EURODRIVE India Private Limited Jai Tulajabhavani Complex. Office No: 15 First Floor, Opp. Century Enka Company, MIDC Bhosari, Pune 411 026	Tel. +91 20-65118890 / 91 Fax +91 20 25380721 salespune@seweurodriveindia.com
		SEW-EURODRIVE India Private Limited LUNAWAT PRISM 4th Floor, S.No. 148 Opposite Wanaz Company, Besides Mega Mart At Neena Co-Operative Housing Society, Paud Road, Pune 411038 - Maharashtra, India	Tel. +91 20 25380730/735 Fax +91 20 25380721 salespune@seweurodriveindia.com praveen.hosur@seweurodriveindia.com
	Raipur	SEW-EURODRIVE India Private Limited A-42, Ashoka Millenium Complex, Ring Road-1, Raipur 492 001 - Chhattisgarh, India	Tel. +91 771 4090765 Fax +91 771 4090765 salesraipur@seweurodriveindia.com
	Ranchi	SEW-EURODRIVE India Private Limited Flat No.: A - 101, Krishna Shree Apartment, Anantpur, P.O. Doranda – Ranchi 834002	Tel. +91 8294630772 salesranchi@seweurodriveindia.com
	Tiruchirappalli	SEW-EURODRIVE India Private Limited A-106,Trichy Towers, Chandrasekarapuram, Salai Road, Trichy – 620018.	Mobile +91 95009 88081 salestrichy@seweurodriveindia.com
	Vadodara	SEW-EURODRIVE India Private Limited Unit No. 301, Savorite Bldg, Plot No. 143, Vinayak Society, off old Padra Road, Vadodara - 390 007. Gujarat	Tel. +91 265 2325258 Fax +91 265 2325259 salesvadodara@seweurodriveindia.com
	Vijayawada	SEW-EURODRIVE India Private Limited Door No:40-5/3-10A, Syam Nagar, NGO's Colony, Tikkle Road, Vijayawada-520010	Tel. +91 99895 01748 Fax +91 8662475157 Mobile +91 9989501748 salesvijayawada@seweurodriveindia.com

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Indonesia			
Sales	**Jakarta**	PT. Cahaya Sukses Abadi Komplek Rukan Puri Mutiara Blok A no 99, Sunter Jakarta 14350, Indonesia	Tel. +62 21 65310599 Fax +62 21 65310600 csajkt@cbn.net.id
		PT. Agrindo Putra Lestari Jl.Prof.DR.Latumenten no27/A Jakarta 11330	Tel. +62 21 63855588 Fax +62 21 63853789 aplindo@indosat.net.id
	Medan	PT. Serumpun Indah Lestari Pulau Solor no. 8, Kawasan Industri Medan II Medan 20252	Tel. +62 61 687 1221 Fax +62 61 6871429 / +62 61 6871458 / +62 61 30008041 sil@serumpunindah.com serumpunindah@yahoo.com
	Surabaya	PT. TRIAGRI JAYA ABADI Jl. Sukosemolo No. 63, Galaxi Bumi Permai G6 No. 11 Surabaya 60122	Tel. +62 31 5990128 Fax +62 31 5962666 triagri@indosat.net.id
		CV. Multi Mas Jl. Raden Saleh 43A Kav. 18 Surabaya 60174	Tel. +62 31 5458589 / +62 31 5317224 Fax +62 31 5317220 / +62 31 5994629 sianhwa@sby.centrin.net.id

Ireland			
Sales **Service**	**Dublin**	Alperton Engineering Ltd. 48 Moyle Road Dublin Industrial Estate Glasnevin, Dublin 11, Ireland	Tel. +353 1 830-6277 Fax +353 1 830-6458 info@alperton.ie http://www.alperton.ie

Iceland			
Sales	**Reykjavik**	VARMA & VELAVERK EHF Dalshrauni 5 IS-220 Hafnarjördur	Tel. +354 585 1070 Fax +354 585 1071 varmaverk@varmaverk.is http://www.varmaverk.is

Israel			
Sales	**Tel Aviv**	Liraz Handasa Ltd. Ahofer Str 34B / 228 58858 Holon, Israel	Tel. +972 3 5599511 Fax +972 3 5599512 http://www.liraz-handasa.co.il office@liraz-handasa.co.il

Italy			
Assembly plant **Sales** **Service**	**Solaro**	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Bernini,14 I-20020 Solaro (Milano), Italy	Tel. +39 02 96 9801 Fax +39 02 96 980 999 http://www.sew-eurodrive.it sewit@sew-eurodrive.it
Technical offices	**Bologna**	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via della Grafica, 47 40064 Ozzano dell'Emilia (Bo), Italy	Tel. +39 051 65-23-801 Fax +39 02 96 980 499
	Caserta	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Viale Carlo III Km. 23,300 81020 S. Nicola la Strada (Caserta), Italy	Tel. +39 0823 219011 Fax +39 02 96 980 599
	Milan	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Bernini,14 I-20020 Solaro (Milano), Italy	Tel. +39 02 96 980229 Fax +39 02 96 980 999
	Pescara	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Viale Europa,132 I-65010 Villa Raspa di Spoltore (PE)	Tel. +39 085 41-59-427 Fax +39 02 96 980 699
	Turin	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Filiale Torino c.so Unione Sovietica 612/15 - int. C 10135 Torino, Italy	Tel. +39 011 3473780 Fax +39 02 96 980 799
	Verona	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Antonio Meucci 5, I-37042 - Caldiero (VR)	Tel. +39 045 89-239-11 Fax +39 02 96 980 814

Japan			
Assembly plant **Sales** **Service**	**Iwata**	SEW-EURODRIVE JAPAN CO., LTD 250-1, Shimoman-no, Iwata Shizuoka 438-0818	Tel. +81 538 373811 Fax +81 538 373855 http://www.sew-eurodrive.co.jp sewjapan@sew-eurodrive.co.jp

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Japan			
Technical offices	**Fukuoka**	SEW-EURODRIVE JAPAN CO., LTD. C-go, 5th-floor, Yakuin-Hiruzu-Bldg. 1-5-11, Yakuin, Chuo-ku Fukuoka, 810-0022, Japan	Tel. +81 92 713-6955 Fax +81 92 713-6860 sewkyushu@jasmine.ocn.ne.jp
	Osaka	SEW-EURODRIVE JAPAN CO., LTD. Higobashi Shimizu Bldg. 10th floor 1-3-7 Tosabori, Nishi-ku Osaka, 550-0001, Japan	Tel. +81 6 6444--8330 Fax +81 6 6444--8338 sewosaka@crocus.ocn.ne.jp
	Tokyo	SEW-EURODRIVE JAPAN CO., LTD. Omarimon Yusen Bldg. 13th floor 3-23-5 Nishinbashi, Minato-ku Tokyo 105-0003, Japan	Tel. +81 3 3239-0469 Fax +81 3 3239-0943 sewtokyo@basil.ocn.ne.jp

Cameroon			
Sales	**Douala, Cameroon**	Electro-Services Rue Drouot Akwa B.P. 2024 Douala, Cameroon	Tel. +237 33 431137 Fax +237 33 431137 electrojemba@yahoo.fr

Canada			
Assembly plants **Sales** **Service**	**Toronto**	SEW-EURODRIVE CO. OF CANADA LTD. 210 Walker Drive Bramalea, ON L6T 3W1	Tel. +1 905 791-1553 Fax +1 905 791-2999 http://www.sew-eurodrive.ca l.watson@sew-eurodrive.ca
	Vancouver	SEW-EURODRIVE CO. OF CANADA LTD. Tilbury Industrial Park 7188 Honeyman Street Delta, BC V4G 1G1	Tel. +1 604 946-5535 Fax +1 604 946-2513 b.wake@sew-eurodrive.ca
	Montreal	SEW-EURODRIVE CO. OF CANADA LTD. 2555 Rue Leger Lasalle, PQ H8N 2V9	Tel. +1 514 367-1124 Fax +1 514 367-3677 a.peluso@sew-eurodrive.ca
	Please contact us for more addresses of service centers in Canada.		

Kazakhstan			
Sales	**Almaty**	ТОО "СЕВ-ЕВРОДРАЙВ" пр.Райымбека, 348 050061 г. Алматы Республика Казахстан	Тел. +7 (727) 334 1880 Факс +7 (727) 334 1881 http://www.sew-eurodrive.kz sew@sew-eurodrive.kz

Kenya			
Sales	**Nairobi**	Barico Maintenances Ltd Kamutaga Place Commercial Street Industrial Area P.O.BOX 52217 - 00200 Nairobi	Tel. +254 20 6537094/5 Fax +254 20 6537096 info@barico.co.ke

Colombia			
Assembly plant **Sales** **Service**	**Bogota**	SEW-EURODRIVE COLOMBIA LTDA. Calle 22 No. 132-60 Bodega 6, Manzana B Santafé de Bogotá, Colombia	Tel. +57 1 54750-50 Fax +57 1 54750-44 http://www.sew-eurodrive.com.co sew@sew-eurodrive.com.co

Croatia			
Sales **Service**	**Zagreb**	KOMPEKS d. o. o. Zeleni dol 10 10 000 Zagreb, Croatia	Tel. +385 1 4613-158 Fax +385 1 4613-158 kompeks@inet.hr

Latvia			
Sales	**Riga**	SIA Alas-Kuul Katlakalna 11C 1073 Riga, Latvia	Tel. +371 6 7139253 Fax +371 6 7139386 http://www.alas-kuul.com info@alas-kuul.com

Lebanon			
Sales Lebanon	**Beirut**	Gabriel Acar & Fils sarl B. P. 80484 Bourj Hammoud, Beirut, Lebanon	Tel. +961 1 510 532 Fax +961 1 494 971 ssacar@inco.com.lb
		After Sales Service	service@medrives.com

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Lebanon			
Sales Jordan / Kuwait / Saudi Arabia / Syria	**Beirut**	Middle East Drives S.A.L. (offshore) Sin El Fil. B. P. 55-378 Beirut	Tel. +961 1 494 786 Fax +961 1 494 971 info@medrives.com http://www.medrives.com
		After Sales Service	service@medrives.com

Lithuania			
Sales	**Alytus**	UAB Irseva Statybininku 106C LT-63431 Alytus	Tel. +370 315 79204 Fax +370 315 56175 irmantas@irseva.lt http://www.sew-eurodrive.lt

Luxembourg			
Assembly plant **Sales** **Service**	**Brussels**	**SEW-EURODRIVE n.v./s.a.** Researchpark Haasrode 1060 Evenementenlaan 7 BE-3001 Leuven	Tel. +32 16 386-311 Fax +32 16 386-336 http://www.sew-eurodrive.lu info@sew-eurodrive.be

Madagascar			
Sales	**Antananarivo**	Ocean Trade BP21bis. Andraharo Antananarivo. 101 Madagascar	Tel. +261 20 2330303 Fax +261 20 2330330 oceantrabp@moov.mg

Malaysia			
Assembly plant **Sales** **Service**	**Johor**	SEW-EURODRIVE SDN BHD No. 95, Jalan Seroja 39, Taman Johor Jaya 81000 Johor Bahru, Johor West Malaysia	Tel. +60 7 3549409 Fax +60 7 3541404 sales@sew-eurodrive.com.my
Technical offices	**Kuala Lumpur**	SEW-EURODRIVE Sdn. Bhd. No. 2, Jalan Anggerik Mokara 31/46 Kota Kemuning Seksyen 31 40460 Shah Alam Selangor Darul Ehsan	Tel. +60 3 51229633 Fax +60 3 51229622 sewsa@sew-eurodrive.com.my
	Kuching	SEW-EURODRIVE Sdn. Bhd. Lot 268, Section 9 KTLD Lorong 9, Jalan Satok 93400 Kuching, Sarawak East Malaysia	Tel. +60 82 232380 Fax +60 82 242380
	Penang	SEW-EURODRIVE Sdn. Bhd. No. 38, Jalan Bawal Kimsar Garden 13700 Prai, Penang	Tel. +60 4 3999349 Fax +60 4 3999348 sewpg@sew-eurodrive.com.my

Morocco			
Sales **Service**	**Mohammedia**	SEW-EURODRIVE SARL 2 bis, Rue Al Jahid 28810 Mohammedia	Tel. +212 523 32 27 80/81 Fax +212 523 32 27 89 sew@sew-eurodrive.ma http://www.sew-eurodrive.ma

Mauritania			
Sales	**Zouérat**	AFRICOM - SARL En Face Marché Dumez P.B. 88 Zouérate	Tel. +222 45 44 50 19 Fax +222 45 44 03 14 contact@africom-sarl.com

Macedonia			
Sales	**Skopje**	Boznos DOOEL Dime Anicin 2A/7A 1000 Skopje	Tel. +389 23256553 Fax +389 23256554 http://www.boznos.mk

Mexico			
Assembly plant **Sales** **Service**	**Quéretaro**	SEW-EURODRIVE MEXICO SA DE CV SEM-981118-M93 Tequisquiapan No. 102 Parque Industrial Quéretaro C.P. 76220 Quéretaro, Mexico	Tel. +52 442 1030-300 Fax +52 442 1030-301 http://www.sew-eurodrive.com.mx scmexico@seweurodrive.com.mx

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Mongolia			
Sales	**Ulan Bator**	SEW-EURODRIVE Representative Office Mongolia Olympic street 8, 2nd floor Juulchin corp bldg., Sukhbaatar district, Ulaanbaatar 14253	Tel. +976-70009997 Fax +976-70009997 http://www.sew-eurodrive.mn sew@sew-eurodrive.mn

Namibia			
Sales	**Swakopmund**	DB Mining & Industrial Services Einstein Street Strauss Industrial Park Unit1 Swakopmund	Tel. +264 64 462 738 Fax +264 64 462 734 sales@dbmining.in.na

New Zealand			
Assembly plants **Sales** **Service**	**Auckland**	SEW-EURODRIVE NEW ZEALAND LTD. P.O. Box 58-428 82 Greenmount Drive East Tamaki Auckland, New Zealand	Tel. +64 9 2745627 Fax +64 9 2740165 http://www.sew-eurodrive.co.nz sales@sew-eurodrive.co.nz
	Christchurch, New Zealand	SEW-EURODRIVE NEW ZEALAND LTD. 10 Settlers Crescent, Ferrymead Christchurch, New Zealand	Tel. +64 3 384-6251 Fax +64 3 384-6455 sales@sew-eurodrive.co.nz
Technical offices	**Palmerston North**	SEW-EURODRIVE NEW ZEALAND LTD. C/-Grant Shearman, RD 5, Aronui Road Palmerston North	Tel. +64 6 355-2165 Fax +64 6 355-2316 sales@sew-eurodrive.co.nz

The Netherlands			
Assembly plant **Sales** **Service**	**Rotterdam**	SEW-EURODRIVE B.V. Industrieweg 175 3044 AS Rotterdam, Netherlands Postbus 10085 3004 AB Rotterdam, Netherlands	Tel. +31 10 4463-700 Fax +31 10 4155-552 Service: 0800-SEWHELP http://www.sew-eurodrive.nl info@sew-eurodrive.nl

Nigeria			
Sales	**Lagos**	EISNL Engineering Solutions and Drives Ltd Plot 9, Block A, Ikeja Industrial Estate (Ogba Scheme) Adeniyi Jones St. End Off ACME Road, Ogba, Ikeja, Lagos Nigeria	Tel. +234 1 217 4332 team.sew@eisnl.com http://www.eisnl.com

Norway			
Assembly plant **Sales** **Service**	**Moss**	SEW-EURODRIVE A/S Solgaard skog 71 1599 Moss, Norway	Tel. +47 69 24 10 20 Fax +47 69 24 10 40 http://www.sew-eurodrive.no sew@sew-eurodrive.no

Austria			
Assembly plant **Sales** **Service**	**Vienna**	SEW-EURODRIVE Ges.m.b.H. Richard-Strauss-Strasse 24 1230 Wien, Austria	Tel. +43 1 617 55 00-0 Fax +43 1 617 55 00-30 http://www.sew-eurodrive.at sew@sew-eurodrive.at
Technical offices	**Linz**	SEW-EURODRIVE Ges.m.b.H. Reuchlinstr. 6/3 4020 Linz, Austria	Tel. +43 732 655 109-0 Fax +43 732 655 109-20 tb-linz@sew-eurodrive.at
	Graz	SEW-EURODRIVE Ges.m.b.H. Grabenstraße 231 8045 Graz, Austria	Tel. +43 316 685 756-0 Fax +43 316 685 755 tb-graz@sew-eurodrive.at
	Dornbirn	SEW-EURODRIVE Ges.m.b.H. Lustenauerstraße 27/1 6850 Dornbirn, Austria	Tel. +43 5572 3725 99-0 Fax +43 5572 3725 99-20 tb-dornbirn@sew-eurodrive.at

Pakistan			
Sales	**Karatschi**	Industrial Power Drives Al-Fatah Chamber A/3, 1st Floor Central Commercial Area, Sultan Ahmed Shah Road, Block 7/8, Karachi	Tel. +92 21 452 9369 Fax +92-21-454 7365 seweurodrive@cyber.net.pk

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Paraguay			
Sales	**Fernando de la Mora**	SEW-EURODRIVE PARAGUAY S.R.L De la Victoria 112, Esquina nueva Asunción Departamento Central Fernando de la Mora, Barrio Bernardino	Tel. +595 991 519695 Fax +595 21 3285539 sew-py@sew-eurodrive.com.py

Peru			
Assembly plant **Sales** **Service**	**Lima**	SEW DEL PERU MOTORES REDUCTORES S.A.C. Los Calderos, 120-124 Urbanizacion Industrial Vulcano, ATE, Lima, Peru	Tel. +51 1 3495280 Fax +51 1 3493002 http://www.sew-eurodrive.com.pe sewperu@sew-eurodrive.com.pe

Philippines			
Sales	**Luzon**	Totaltech Corporation 5081-B C&L Mansion Filmore Ave. Cor. Fahrenheit St. 1235 Makati City	Tel. +63 2 551-9265 / +63 2 551-9271 / +63 2 551-9378 Fax +63 2 551-9273 totaltech89@gmail.com
	All Areas	P.T. Cerna Corporation 4137 Ponte St., Brgy. Santa Cruz, Makati City 1205	Tel. +63 2 519 6214 Fax +63 2 890 2802 mech_drive_sys@ptcerna.com

Poland			
Assembly plant **Sales** **Service**	**Łódź**	SEW-EURODRIVE Polska Sp.z.o.o. ul. Techniczna 5 92-518 Łódź, Poland	Tel. +48 42 676 53 00 Fax +48 42 676 53 49 http://www.sew-eurodrive.pl sew@sew-eurodrive.pl
	Service	Tel. +48 42 6765332 / 42 6765343 Fax +48 42 6765346	Linia serwisowa 24 hour hotline Tel. +48 602 739 739 (+48 602 SEW SEW) serwis@sew-eurodrive.pl
Technical office	**Tychy**	SEW-EURODRIVE Polska Sp.z.o.o. ul. Strzelecka 66 PL-43-109 Tychy	Tel. +48 32 32 32 610 Fax +48 32 32 32 648
	Bydgoszcz	SEW-EURODRIVE Polska Sp.z.o.o. ul. Fordońska 246 PL-85-959 Bydgoszcz	Tel. +48 52 3606590 Fax +48 52 3606591
	Gdansk	SEW-EURODRIVE Polska Sp.z.o.o. ul. Galaktyczna 30A PL-80-299 Gdańsk	Tel. +48 58 762 70 00 Fax +48 58 762 70 09
	Poznan	SEW-EURODRIVE Polska Sp.z.o.o. ul. Romana Maya 1 61-371 Poznań, Poland	Tel. +48 61 6465500 Fax +48 61 6465519
	Radom	SEW-EURODRIVE Polska Sp.z.o.o. ul. Słowackiego 84 26-600 Radom, Poland	Tel. +48 48 365 40 50 Fax +48 48 365 40 52

Portugal			
Assembly plant **Sales** **Service**	**Coimbra**	SEW-EURODRIVE, LDA. Apartado 15 3050-901 Mealhada, Portugal	Tel. +351 231 20 9670 Fax +351 231 20 3685 http://www.sew-eurodrive.pt infosew@sew-eurodrive.pt
Service Competence Centers	**Lisbon**	SEW-EURODRIVE, LDA. Núcleo Empresarial I de São Julião do Tojal Rua de Entremuros, 54 Fracção I 2660-533 São Julião do Tojal, Portugal	Tel. +351 21 958-0198 Fax +351 21 958-0245 esc.lisboa@sew-eurodrive.pt
Technical office	**Porto**	SEW-EURODRIVE, LDA. Av. 25 de Abril, 68 4440-502 Valongo, Portugal	Tel. +351 229 350 383 Fax +351 229 350 384 Tel. +351 9 32559110 esc.porto@sew-eurodrive.pt

Romania			
Sales **Service**	**Bucharest**	Sialco Trading SRL str. Brazilia nr. 36 011783 Bucuresti, Romania	Tel. +40 21 230-1328 Fax +40 21 230-7170 sialco@sialco.ro

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Russia			
Assembly plant **Sales** **Service**	**St. Petersburg**	ZAO SEW-EURODRIVE P.O. Box 36 RUS-195220 St. Petersburg	Tel. +7 812 3332522 +7 812 5357142 Fax +7 812 3332523 http://www.sew-eurodrive.ru sew@sew-eurodrive.ru
Technical office	**Ekaterinburg**	ZAO SEW-EURODRIVE Kominterna Str. 16 Office 614 620078 Ekaterinburg, Russia	Tel. +7 343 310 3977 Fax +7 343 310 3978 eso@sew-eurodrive.ru
	Irkutsk	ZAO SEW-EURODRIVE 5-Armii Str., 31 664011 Irkutsk, Russia	Tel. +7 3952 25 5880 Fax +7 3952 25 5881 iso@sew-eurodrive.ru
	Moscow	ZAO SEW-EURODRIVE Malaja Semjonowskaja Str. д. 9, корпус 2 107023 Moscow	Tel. +7 495 9337090 Fax +7 495 9337094 mso@sew-eurodrive.ru
	Novosibirsk	ZAO SEW-EURODRIVE pr. K Marksa 30 630087 Novosibirsk, Russia	Tel. +7 383 3350200 Fax +7 383 3462544 nso@sew-eurodrive.ru
	Perm	ZAO SEW-EURODRIVE Stakhanovskaya str., 45 Office 512 RUS-614066 Perm	Tel. +7 342 2219494 Fax +7 342 2219444 pso@sew-eurodrive.ru
	Togliatti	ZAO SEW-EURODRIVE Sportivnaya Str. 4B, office 2 Samarskaya obl. 445057 Togliatti, Russia	Tel. +7 8482 710529 Fax +7 8482 810590

Zambia			
Sales	**Kitwe**	EC Mining Limited Plots No. 5293 & 5294,Tangaanyika Road, Off Mutentemuko Road, Heavy Industrial Park, P.O.BOX 2337 Kitwe	Tel. +260 212 210 642 Fax +260 212 210 645 sales@ecmining.com http://www.ecmining.com

Sweden			
Assembly plant **Sales** **Service**	**Jönköping**	SEW-EURODRIVE AB Gnejsvägen 6-8 55303 Jönköping, Sweden Box 3100 S-55003 Jönköping	Tel. +46 36 3442 00 Fax +46 36 3442 80 http://www.sew-eurodrive.se jonkoping@sew.se
Sales	**Göteborg**	SEW-EURODRIVE AB Gustaf Werners gata 8 42132 Västra Frölunda, Sweden	Tel. +46 31 70968 80 Fax +46 31 70968 93 goteborg@sew.se
	Stockholm	SEW-EURODRIVE AB Björkholmsvägen 10 14146 Huddinge, Sweden	Tel. +46 8 44986 80 Fax +46 8 44986 93 stockholm@sew.se
	Malmö	SEW-EURODRIVE AB Borrgatan 5 21124 Malmö, Sweden	Tel. +46 40 68064 80 Fax +46 40 68064 93 malmo@sew.se
	Skellefteå	SEW-EURODRIVE AB Trädgårdsgatan 8 93131 Skellefteå, Sweden	Tel. +46 910 7153 80 Fax +46 910 7153 93 skelleftea@sew.se

Switzerland			
Assembly plant **Sales** **Service**	**Basel**	Alfred Imhof A.G. Jurastrasse 10 CH-4142 Münchenstein bei Basel	Tel. +41 61 417 1717 Fax +41 61 417 1700 http://www.imhof-sew.ch info@imhof-sew.ch
Technical offices	**Romandy**	André Gerber Es Perreyres 1436 Chamblon, Switzerland	Tel. +41 24 445 3850 Fax +41 24 445 4887
	Bern / Solothurn	Rudolf Bühler Muntersweg 5 2540 Grenchen, Switzerland	Tel. +41 32 652 2339 Fax +41 32 652 2331
	Central Switzerland, Aargau	Armin Pfister Stierenweid 4950 Huttwill, BE, Switzerland	Tel. +41 62 962 54 55 Fax +41 62 962 54 56

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Switzerland			
	Zurich, Tessin	Gian-Michele Muletta Fischerstrasse 61 8132 Egg bei Zürich, Switzerland	Tel. +41 44 994 81 15 Fax +41 44 994 81 16
	Lake Constance and Eastern Switzerland	Markus Künzle Eichweg 4 9403 Goldach, Switzerland	Tel. +41 71 845 2808 Fax +41 71 845 2809

Senegal			
Sales	**Dakar**	SENEMECA Mécanique Générale Km 8, Route de Rufisque B.P. 3251, Dakar	Tel. +221 338 494 770 Fax +221 338 494 771 senemeca@sentoo.sn http://www.senemeca.com

Serbia			
Sales	**Belgrade**	DIPAR d.o.o. Ustanicka 128a PC Košum, IV sprat SRB-11000 Beograd, Serbia	Tel. +381 11 347 3244 / +381 11 288 0393 Fax +381 11 347 1337 office@dipar.rs

Singapore			
Assembly plant **Sales** **Service**	**Singapore**	SEW-EURODRIVE PTE. LTD. No 9, Tuas Drive 2 Jurong Industrial Estate Singapore 638644	Tel. +65 68621701 Fax +65 68612827 http://www.sew-eurodrive.com.sg sewsingapore@sew-eurodrive.com

Slovakia			
Sales	**Bratislava**	SEW-EURODRIVE SK s.r.o. Rybničná 40 831 06 Bratislava, Slovakia	Tel. +421 2 33595 202 Fax +421 2 33595 200 sew@sew-eurodrive.sk http://www.sew-eurodrive.sk
	Žilina	SEW-EURODRIVE SK s.r.o. Industry Park - PChZ ulica M.R.Štefánika 71 010 01 Žilina, Slovakia	Tel. +421 41 700 2513 Fax +421 41 700 2514 sew@sew-eurodrive.sk
	Banska Bystrica	SEW-EURODRIVE SK s.r.o. Rudlovská cesta 85 974 11 Banská Bystrica, Slovakia	Tel. +421 48 414 6564 Fax +421 48 414 6566 sew@sew-eurodrive.sk
	Košice	SEW-EURODRIVE SK s.r.o. Slovenská ulica 26 040 01 Košice, Slovakia	Tel. +421 55 671 2245 Fax +421 55 671 2254 sew@sew-eurodrive.sk

Slovenia			
Sales **Service**	**Celje**	Pakman - Pogonska Tehnika d.o.o. Ul. XIV. divizije 14 3000 Celje, Slovenia	Tel. +386 3 490 83-20 Fax +386 3 490 83-21 pakman@siol.net

Spain			
Assembly plant **Sales** **Service**	**Bilbao**	SEW-EURODRIVE ESPAÑA, S.L. Parque Tecnológico, Edificio, 302 48170 Zamudio (Vizcaya), Spain	Tel. +34 94 43184-70 Fax +34 94 43184-71 http://www.sew-eurodrive.es sew.spain@sew-eurodrive.es
Technical offices	**Barcelona**	Delegación Barcelona Avda. Francesc Macià, 60 – Planta 16, porta 1 Eix Macià – "Torre Milenium" 08208 Sabadell (Barcelona), Spain	Tel. +34 93 7162200 Fax +34 93 7233007
	Madrid	Delegación Madrid Gran Via. 48-2° A-D 28220 Majadahonda (Madrid), Spain	Tel. +34 91 6342250 Fax +34 91 6340899
	Sevilla	MEB Pólogono Calonge, C/A Nave 2 - C E-41.077 Sevilla, Spain	Tel. +34 954 356 361 Fax +34 954 356 274 mebsa.sevilla@mebsa.com
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14 Appendix

14.1 Abbreviation key

d_0	Mean diameter of the installed transmission element	mm
F_{A1}	Axial load on HSS	N
F_{A2}	Axial load on LSS	N
F_F	Peak load factor	-
F_R	Overhung load	N
$F_{R\ per}$	Permitted overhung load	N
$F_{R\ max}$	Maximum overhung load	N
F_{Start}	Startup factor	-
$F_{S\ min}$	Application-specific service factor	-
F_S	Service factor = MN2 / MK2 = PN1 / PK1	-
f_z	Transmission element factor	-
η	Efficiency	-
H	Installation altitude above sea level	m
HSS	High-speed gear shaft (usually input shaft)	-
i	Gear ratio	-
i_{ex}	Exact gear unit ratio	-
IP...	Degree of protection of electrical instruments	-
$L_{h\ min}$	Required minimum bearing life of the gear unit	h
LSS	Low-speed gear shaft (usually output shaft)	-
M_a	Output torque in relation to motor power	Nm
M_{K1}	Input torque (= Operating torque on HSS)	Nm
$M_{K1\ max}$	Peak input torque (= peak operating torque on HSS)	Nm
M_{K2}	Output torque (= Operating torque on LSS)	Nm
$M_{K2\ max}$	Peak output torque (= peak operating torque on LSS)	Nm
$M_{K2\ per}$	Permitted peak output torque	Nm
M_M	Rated motor torque	Nm
M_{N2}	Nominal gear unit torque	Nm
n_1	Input speed	rpm
n_2	Output speed	rpm
n_M	Motor speed	rpm
P_{K1}	Operating power on HSS	kW
$P_{K1\ max}$	Peak operating power on HSS	kW
$P_{K1\ per}$	Permitted peak operating power on HSS	kW
P_{K2}	Operating power on LSS	kW
P_M	Nominal motor power	kW
P_{N1}	Nominal gear unit power (referring to HSS)	kW
t	Time under load within a cycle	sec.

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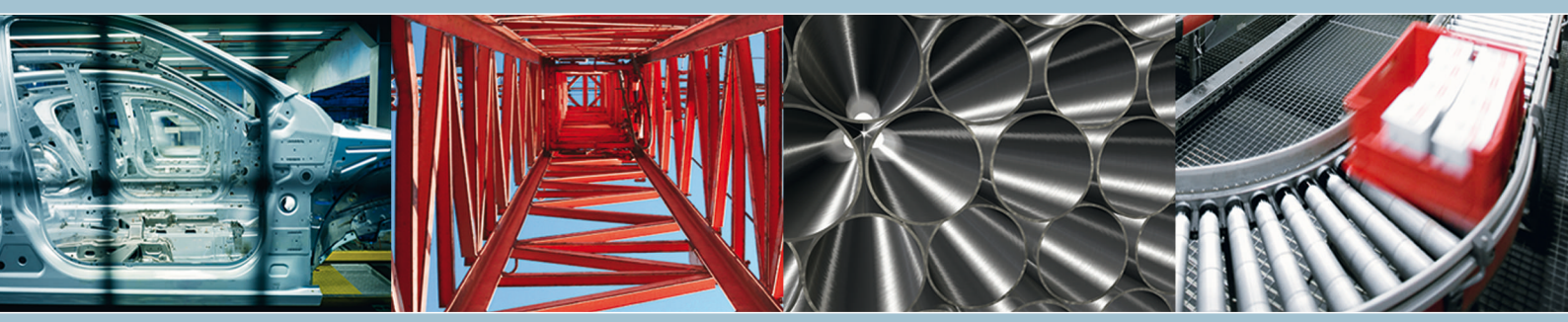
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