SEW EURODRIVE

Catalog



Drive units

Gearmotors CM3C.. MOVIMOT® performance

Edition 04/2026

31546617/EN



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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" means you get reliable products and a safe investment.

SEW-EURODRIVE's products and services can be found in all the important industries of our era. We also demonstrate this presence with subsidiaries and production plants all over the world, as well as with our service, which we see as an integrative part of our portfolio that extends SEW-EURODRIVE's high quality standards.

1.1.2 Always the right drive solution

With the broad product range of SEW-EURODRIVE, which also includes mechatronic drive units, frequency inverters, controllers, software and communication in addition to the tried-and-tested modular system for gearmotors, it is possible to implement the perfect drive solution for every application.

Gear units and motors

Using the modular system, gearmotors can be individually assembled according to the required speed and torque ranges, the available space and the ambient conditions. Gear units and gearmotors offering a unique and finely tuned power range and the best economic prerequisites to face any drive challenge.

Motors by SEW-EURODRIVE can be mounted directly or via adapter to SEW-EURODRIVE gear units. They meet all global requirements in terms of energy efficiency and technical regulations. A wide range of options and accessories ensures high flexibility for adjusting the motor to the requirements of the user and the application.

Inverter

The proven inverter series MOVITRAC®, MOVIDRIVE® and MOVIAXIS® enhance the gearmotors, forming a combination that blends in perfectly with the existing range of SEW-EURODRIVE systems.

Modular automation system

With its brand MOVI-C®, SEW-EURODRIVE launches a new generation of drive and automation technology. MOVI-C® is the modular automation system that allows for the highest level of system and machine automation. It comprises drive technology, motion control, control technology and visualization.

MOVIDRIVE® modular is the modular application inverter for all types of applications, ranging from simple open-loop speed control to servo drives with kinematic model. MOVIDRIVE® modular can be supplemented by connecting MOVIDRIVE® system single-axis units. These possess functionalities comparable to those of axis modules, but have their own line connection. Especially in the upper power range, MOVIDRIVE® system complements the modular application inverter.

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MOVIDRIVE® modular and MOVIDRIVE® system are intended for operation on the MOVI-C® CONTROLLER, the controller from SEW-EURODRIVE. They offer a powerful clock-synchronous connection via the integrated EtherCAT®/SBus^{PLUS} communication interface. Other EtherCAT® stations from SEW-EURODRIVE or other manufacturers can be controlled and diagnosed by the MOVI-C® CONTROLLER.

The MOVISUITE® engineering software with its unique operating philosophy is above all MOVI-C® hardware and software components. MOVISUITE® was developed with a focus on systematically shortening the startup time and covers the entire engineering process, from planning to diagnostics.

Decentralized drive technology

For economical, decentralized installations, SEW-EURODRIVE offers components from decentralized technology that integrate seamlessly into the MOVI-C® modular automation system. The decentralized product portfolio offers a suitable solution for every requirement, from optimized and standardized products to modular and flexibly customized products.

Using MOVIMOT® flexible, you can install the decentralized inverter close to the motor in your system. Whether synchronous or asynchronous motor – with MOVIMOT® flexible, it's up to you which motor technology you prefer.

The MOVIMOT® advanced drive unit consists of a decentralized inverter and a DR.. series motor, which makes it the all-rounder of the product portfolio.

The MOVIGEAR® performance drive unit consists of a decentralized inverter, a permanent-field synchronous motor, and a gear unit. These 3 core components are included in a single compact aluminum die cast housing. This means the drive unit is also ideally suited for use in wet area environments.

The MOVIMOT® performance drive unit consists of a decentralized inverter and a permanent-field synchronous motor of the CM3C.. series. This combination combines the flexibility in the choice of options with a highly dynamic, precise and quiet drive system that can meet even the most demanding requirements.

Industrial gear units

Power, quality and sturdy design combined in one standard product: With high torque levels, industrial gear units from SEW-EURODRIVE realize major movements. The modular concept will once again provide optimum adaptation of industrial gear units to meet a wide range of different applications.

Individual system solutions with MAXOLUTION®

MAXOLUTION® from SEW-EURODRIVE provides individual system solutions in all areas of system and machine automation. From electromechanical drives, controllers and communication to visualization and the contactless energy transfer system MOVITRANS® up to a comprehensive service portfolio, MAXOLUTION® offers all modules required to design customer-specific solutions for machines and systems.

MAXOLUTION® combines individual products of the proven modular system with innovative system components to form individual system solutions that perfectly match the requirements of the specific application – "powered by SEW-EURODRIVE".

Safe – flexible – effective: safetyDRIVE

Guaranteeing the safety of all employees and preventing work accidents while ensuring trouble-free production processes are demands placed on all production areas. safetyDRIVE, the comprehensive safety concept, allows you to implement your machines "safely", in accordance with the currently valid guidelines. With controllers that meet the respective requirement of the safety categories or performance levels and that monitor instead of shut down.

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All of our drive and frequency inverters provide the function that safely stops the electrical power to the motor (STO). The MOVISAFE® components complete the product range – integrated into the inverter as option cards or modular as safety modules. The decentralized MOVIFIT® and MOVIPRO® drive controllers with integrated safety functions are ready for use in decentralized installations.

The functionally safe motor options allow for implementing safety functions in safety-related applications. Safety encoders are used to implement safety functions with respect to speed, direction of rotation, standstill, and relative position. Safety brakes can implement safety functions with respect to decelerating and stopping.

1.1.3 Your ideal partner

Its global presence, extensive product portfolio and wide range 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.

For detailed information on the entire product range of SEW-EURODRIVE, refer to our website www.sew-eurodrive.com. The website provides information about components, system solutions, services, and industries. Online Support provides access to a wide range of documents and tools such as the product configurator and various selection aids, as well as all documentation available for download in various languages.

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1.2 System overview of MOVI-C® for decentralized installation

Consistent – connected – complete

The basis of the new product portfolio is the MOVI-C® decentralized drive electronics. It is the same for all products from the new decentralized portfolio and can be installed either integrated in the motor or close to the motor.

MOVI-C® decentralized drive electronics is suitable for all applications with speed control, with and without encoders, through to positioning applications.

1.2.1 Highlights of the decentralized product portfolio

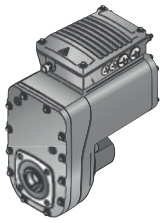
End-to-end solution	MOVI-C® allows users to switch between control cabinet installation and decentralized installation. The consistency of the functions and features is not dependent on the product family or type of installation.
Modularity	Identical drive electronics for all product families, whether integrated in the product or installed close to the motor, is the ideal supplement to the control cabinet inverters of the MOVI-C® modular automation system.
Flexibility	The decentralized product range provides flexible support for connections to various higher-level systems.
Single-axis automation	• DBC – Direct Binary Communication • DAC – Direct AS-Interface Communication • DFC – Direct Fieldbus Communication (PROFINET, EtherNet/IP™, Modbus TCP)
Motion slave	• DSI – Direct System Bus Installation (EtherCAT®) • DFC – Direct Fieldbus Communication (POWERLINK CiA402)
Motion/automation control	• DSI – Direct System Bus Installation (SBus^{PLUS})
Simple installation	On the supply side, installation is made easier using terminals or connectors along with digital motor integration when installed close to the motor (single-cable technology).
Decentralized electronics performance class	2.0 A, 2.5 A, 3.2 A, 4.0 A, 5.5 A, 7.0 A, 9.5 A, 12.5 A, 16.0 A

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Drive units without decentralized inverter

MOVIGEAR®
classic

MGF..-DSM-C

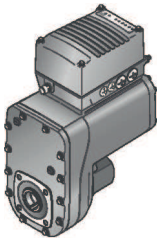
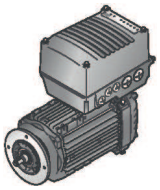
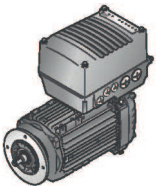
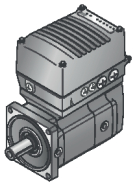


8 – 400 Nm continuous output torque motor

475 Nm maximum short-time torque motor

Can be combined with all MOVI-C® inverters (e.g. MOVIMOT® flexible)

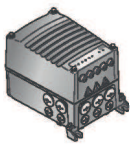
Drive units with decentralized inverters

MOVIGEAR® performance	**MOVIMOT® advanced DRN..**	**MOVIMOT® advanced DR2C..**	**MOVIMOT® performance**
Mechatronic drive unit (≙ IE5)	Asynchronous motor (≙ IE3)	Synchronous motor (≙ IE5)	Synchronous motor (≙ IE5)
			
0.8 – 2.2 kW nominal motor power or 4 – 10 Nm rated motor torque	0.37 – 7.5 kW nominal power	0.69 – 7.38 kW nominal power	0.75 – 4.19 kW nominal power or 3.6 – 20 Nm rated torque

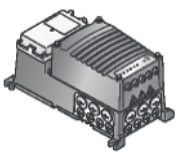
Decentralized inverters for mounting close to the motor

MOVIMOT®
flexible

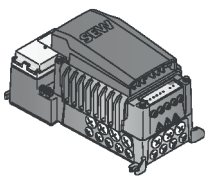
MMF1.



MMF31



MMF32



2 – 16.0 A nominal output current,

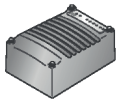
up to 300% overload capacity

Can be combined with all motors from SEW-EURODRIVE.

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1.2.2 Technical data

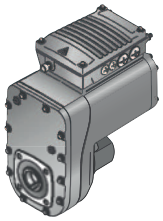
MOVI-C® decentralized inverter



MOVI-C® decentralized inverter (electronics cover)	
Description	Decentralized inverter for mounting to: • MOVIGEAR® performance • MOVIMOT® advanced • MOVIMOT® performance • MOVIMOT® flexible
Nominal output current	 • Size 1 without cooling fins: 2.0 A, 2.5 A, 3.2 A  • Size 1 with cooling fins: 4.0 A, 5.5 A  • Size 2 without fan: 7.0 A, 7.5 A
Overload capacity	Up to 300%
Communication versions	• DBC – Direct Binary Communication • DAC – Direct AS-Interface Communication • DFC – Direct Fieldbus Communication (PROFINET IO, EtherNet/IP™, Modbus TCP, POWERLINK CiA402) • DSI – Direct System Bus Control (EtherCAT®, SBus^{PLUS})
Options	• Integrated brake control (AC 110 – 500 V) • Integrated safe communication CSB51A/CSL51A (STO, SS1c) • MOVIKIT® drive software modules

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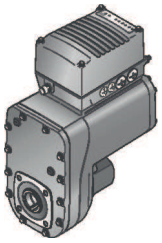
MOVIGEAR® classic



MOVIGEAR® classic (≙ IE5)	
Description	Drive unit consisting of gear unit and synchronous motor (can be combined with electronics close to the motor or control cabinet technology from the MOVI-C® modular automation system).
Output speed range At n_e = 2000 min^{-1}	• MGF..1-DSM-C: 35.7 – 555 min^{-1} • MGF..2-DSM-C: 36.2 – 593 min^{-1} • MGF..4-DSM-C, MGF..4-DSM-C/XT: 35.4 – 566 min^{-1}
Recommended inverter combinations	In connection with MOVIDRIVE® modular, MOVIDRIVE® system, and MOVIDRIVE® technology or the decentralized inverter MOVIMOT® flexible. • MGF..1-DSM-C with inverter nominal output current 2.0 A • MGF..2-DSM-C with nominal inverter output current 2.0 A • MGF..4-DSM-C with nominal inverter output current 4.0 A • MGF..4-C-DSM-C/XT with nominal inverter output current 5.5 A Alternatively, MOVITRAC® LTP-B (380 V – 480 V) can also be used.

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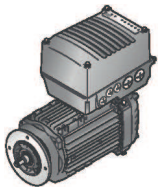
MOVIGEAR® performance



MOVIGEAR® performance (≙ IE5)	
Description	Drive unit consisting of synchronous motor, gear unit, and decentralized inverter
Overload capacity	Up to 300%
Power rating	• MGF..2-C: Torque 200 Nm, up to 0.8 kW nominal power • MGF..4-C: Torque 400 Nm, up to 1.5 kW nominal power • MGF..4-C/XT: 400 Nm torque with extended continuous torque, nominal power of up to 2.1 kW
Output speed range	Speed control range 1:40 (without encoder) • MGF..2-C: 0.9 – 593 min^{-1} • MGF..4-C, MGF..4-C/XT: 0.9 – 566 min^{-1} Speed control range 1:2000 (with encoder) • MGF..2-C: 0.02 – 593 min^{-1} • MGF..4-C, MGF..4-C/XT: 0.02 – 566 min^{-1}
Options	• Digital Interface (MOVILINK® DDI) /DI • Multi-turn absolute encoder /AZ1Z • Electrodynamic retarding function DynaStop® /DSP • Connector /IV • Pressure compensation fitting electronics /PE • Integrated braking resistor /BW1 • For more options, see MOVI-C® decentralized inverter options

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MOVIMOT® advanced with DR2C..A motor

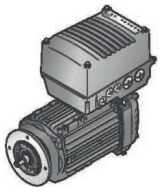


MOVIMOT® advanced with DR2C..A motor (≙ IE5)	
Description	Drive unit consisting of gear unit, synchronous motor and decentralized inverter
Power rating	• 0.69 kW – 6.80 kW • 0.69 kW – 7.38 kW
Overload capacity	Up to 270%[1]
Drive data (Without gear unit)	Torque range[2] • Speed class 2000 min^{-1}: 3.3 Nm – 32.5 Nm • Speed class 3000 min^{-1}: 3.6 Nm – 23.5 Nm Speed range (without encoder): 1:40 • Speed class 2000 min^{-1}: 50 min^{-1}– 2000 min^{-1} • Speed class 3000 min^{-1}: 75 min^{-1}– 3000 min^{-1} Speed range (with encoder)[2]: • Speed class 2000 min^{-1}: 1 min^{-1}– 2000 min^{-1} • Speed class 3000 min^{-1}: 1 min^{-1}– 3000 min^{-1}
Options	• Digital Interface (MOVILINK®-DDI) /DI • Multi-turn absolute encoder /AK8Z[2] • Single-turn encoder /EK9Z[2] • Connector /IV • Motor protection /TF • Switch disconnector with feedback contact /D11 • Integrated braking resistor /BW1 • Pressure compensation fitting electronics /PE • Metal fan /AL • Canopy /C • Reinforced winding insulation /RI • Second shaft end on the motor/brakemotor /2W • For more options, see MOVI-C® decentralized inverter options

1) The value refers to the IE5 torque of the drive unit.
2) Only for MOVIMOT® advanced DFC, DSI

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MOVIMOT® advanced with DRN.. motor

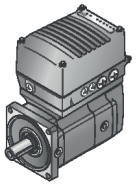


MOVIMOT® advanced with DRN.. motor (≙ IE3)	
Description	Drive unit consisting of gear unit, asynchronous motor and decentralized inverter
Power rating	• With star connection: 0.37 kW – 7.5 kW • With delta connection: 0.55 – 7.5 kW
Overload capacity	Up to 210%[1)]
Drive data (Without gear unit)	Torque range[2)] • With star connection: 2.5 Nm – 49.4 Nm • With delta connection: 1.81 Nm – 24.7 Nm Speed range (with encoder)[2)] • With star connection: 1 min^{-1} – 1400 min^{-1} (size 1) • With star connection: 1 min^{-1} – 1450 min^{-1} (size 2) • With delta connection: 1 min^{-1} – 2900 min^{-1} Speed range (without encoder) • With star connection: 140 min^{-1} – 1400 min^{-1} (size 1) • With star connection: 145 min^{-1} – 1450 min^{-1} (size 2) • With delta connection: 145 min^{-1} – 2900 min^{-1}
Options	• Digital Interface (MOVILINK® DDI) /DI • Single-turn encoder /EI8Z[2)] • Safe single-turn encoder /EI7C-FS[2)3)] • Multi-turn absolute encoder /AK8Z[2)] • Single-turn encoder /EK8Z[2)] • Connector /IV • Motor protection /TF • Switch disconnector with feedback contact /D11 • Integrated braking resistor /BW1 or /BW2 • Pressure compensation fitting electronics /PE • Metal fan /AL • Canopy /C • Reinforced winding insulation /RI • Second shaft end on the motor/brakemotor /2W • For more options, see MOVI-C® decentralized inverter options

1) With the exception of DRN132M4 motors with electronics cover D..-0160.. (16 A): max. overload capacity = 200%
2) Only for MOVIMOT® advanced DFC, DSI
3) Only in combination with CSL51 safety option. The encoder can only be used for the SLS safety function, but not for motor control.

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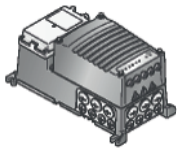
MOVIMOT® performance



MOVIMOT® performance (≙ IE5)	
Description	Drive unit consisting of gear unit, synchronous motor and decentralized inverter
Power rating	• Size 1: 0.75 – 1.88 kW • Size 2: 3.14 kW – 4.19 kW
Overload capacity	Up to 300%
Drive data (Without gear unit)	Torque range • Size 1: 3.6 Nm – 9 Nm • Size 2: 15 Nm – 20 Nm Speed range (with encoder) • Speed class 1000 min^{-1}: 1 min^{-1} – 1000 min^{-1} • Speed class 2000 min-1: 1 min^{-1} – 2000 min^{-1} Speed range (without encoder) • Speed class 1000 min^{-1}: 25 min^{-1} – 1000 min^{-1} • Speed class 2000 min^{-1}: 50 min^{-1} – 2000 min^{-1}
Options	• Digital Interface (MOVILINK® DDI) /DI • Single-turn encoder /EZ2Z • Multi-turn encoder /AZ2Z • Connector /IV • Motor protection /PK • Integrated braking resistor /BW1 or /BW2 • Pressure compensation fitting electronics /PE • For more options, see MOVI-C® decentralized inverter options

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MOVIMOT® flexible



MOVIMOT® flexible (motors up to IE5)	
Description	Decentralized inverter
Output power of asynchronous motor	• Size 1 without cooling fins: 0.55 – 1.1 kW • Size 1 with cooling fins: 1.5 kW – 2.2 kW • Size 2 without fan: 3.0 kW – 4.0 kW • Size 2 with fan: 5.5 kW – 7.5 kW
Overload capacity	Up to 300%
Options	• Switch disconnector with feedback contact /D11 • Switch disconnector with feedback contact and line protection /M11 • Switch disconnector /R01 for disconnecting the motor with leading signal contact • MOVILINK® DDI integrated data node /DI • MOVILINK® DDI interface via coaxial cable /CO • DynaStop® electrodynamic retarding function /DSP • Control module BES brake rectifier 24 V /BES • Connector /IV • Pressure compensation fitting electronics /PE • Integrated braking resistor /BW1, /BW2 • Mounting panel /M31, /M32 • External braking resistor /EWB • Line filter /MO • Additional digital inputs /ODI • For more options, see MOVI-C® decentralized inverter options

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1.3 Documentation concept

With the MOVI-C® decentralized units, SEW-EURODRIVE introduces a documentation concept that is oriented towards target groups.

The following table provides an overview of the most important information products and their contents for MOVIMOT® performance:

Target group	Information product	Contents
Drive selection	**Catalogs** • "CM3C.. gearmotors MOVIMOT® performance" • "CM3C63 – CM3C100 synchronous servo gearmotors" • "CM3C63 – CM3C100 synchronous servomotors"	• Type description • Selection tables • Dimension drawings • Further specific information on the gear unit component • Further specific information on the servomotor component
Installation **Maintenance**	**Product manuals**	• Technical data • Project planning • Functional safety • Device structure • Mechanical installation • Electrical installation • Startup (drive train) • Service • Inspection and maintenance
	• "MOVIMOT® performance **DBC** CM3C..DBC.. (binary control)" • "MOVIMOT® performance **DAC** CM3C..DAC.. (AS-Interface)" • "MOVIMOT® performance **DFC** CM3C..DFC.. (PROFINET IO, EtherNet/IP™, MODBUS TCP, POWERLINK)" • "MOVIMOT® performance **DSI** CM3C..DSI..(EtherCAT®/ SBus^{PLUS})"	
	Operating instructions • "MOVIMOT® performance **DBC** CM3C..DBC.. (binary control)" • "MOVIMOT® performance **DAC** CM3C..DAC.. (AS-Interface)" • "MOVIMOT® performance **DFC** CM3C..DFC.. (PROFINET IO, EtherNet/IP™, MODBUS TCP, POWERLINK)" • "MOVIMOT® performance **DSI** CM3C..DSI..(EtherCAT®/ SBus^{PLUS})"	• Type designation • Mechanical installation • Electrical installation • Startup (drive train) • Service • Inspection and maintenance

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Target group	Information product	Contents
Installation **Maintenance**	**Motor operating instructions** • "AC motors .. CM3C..."	• Inspection and maintenance of the motor
	Operating instructions of the gear unit	• Gear unit structure • Mechanical installation • Startup • Inspection/maintenance • Technical data • Malfunctions and remedies
Startup	**Manuals** • "MOVI-C® device startup with ...", available for various communication variants	• Startup (in detail)
	• "MOVIKIT® ...", available for various control modules	• Software description of control modules
	• "Safe communication"	• Functional safety

1.4 Product names and trademarks

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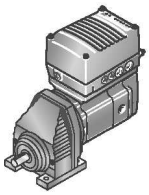
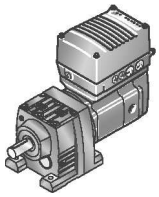
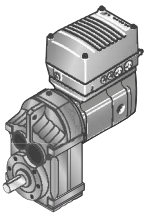
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2 Type designations and designs

2.1 MOVIMOT® performance drive units at a glance

2.1.1 Axially parallel gear units

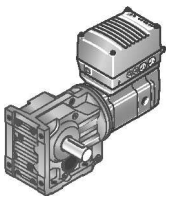
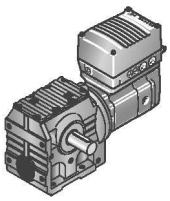
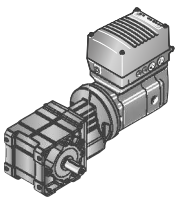
The following table shows an overview of the most important technical data of MOVIMOT® performance drive units with axis-parallel gear units.

Drive unit		RX..CM3C../D..	R..CM3C../D..	F..CM3C../D..
Technical data				
Output speed	n_a min^{-1}	279 – 1533	9 – 593	7 – 530
Continuous output torque	M_a Nm	4.7 – 140	12.1 – 4400	13.6 – 5300
Max. permitted torque for short-time duty	M_{apk} Nm	90 – 1150	118 – 7000	130 – 8860
Max. permitted overhung load for short-time duty	F_{RaApk} N	30000	120000	108000
Max. permitted overhung load for continuous duty	F_{Ramax} N	1629 – 9600	0 – 43000	0 – 65000
Gear ratio range	i	1.3 – 7.16	3.37 – 212.46	3.77 – 276.77
Mechanical data				
Hollow shaft		–	–	X
Flange mounting		X	X	X
Foot mounting		X	X	X
B5 flange		X	X	X
B14 flange		X	X	X
Reduced backlash option /R		–	X	X

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2.1.2 Right-angle gear units

The following table shows an overview of the most important technical data of MOVIMOT® performance drive units with right-angle gear units.

Drive unit		K..CM3C../D..	S..CM3C../D..	W..CM3C../D..
Technical data				
Output speed	n_a min^{-1}	13 – 711	6 – 500	14 – 295
Continuous output torque	M_a Nm	10.1 – 3000	13.4 – 4180	23.5 – 1020
Max. permitted torque for short-time duty	M_{apk} Nm	115 – 9090	72 – 4340	131 – 720
Max. permitted overhung load for short-time duty	F_{RaApk} N	109000	36000	8000
Max. permitted overhung load for continuous duty	F_{Ramax} N	0 – 65000	2448 – 37000	3679 – 8000
Gear ratio range	i	2.81 – 153.21	4.00 – 286.40	6.76 – 142.72
Mechanical data				
Hollow shaft		–	X	X
Flange mounting		X	X	X
Foot mounting		X	X	X
B5 flange		X	X	X
B14 flange		X	X	–
Reduced backlash option /R		X	–	–

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2.2 Designs and gear unit options

The following tables provide an overview of the variants and options of the gear units.

2.2.1 Helical gear units

Designation	Description
RX..	Single-stage foot-mounted design, output shaft with key
RXF..	Single-stage B5 flange-mounted design, output shaft with key
R..	Foot-mounted design, output shaft with key
R..F	Foot- and B5 flange-mounted design, output shaft with key
RF..	B5 flange-mounted design, output shaft with key
RZ..	B14 flange-mounted design, output shaft with key
RM..	B5 flange-mounted design with extended bearing hub, output shaft with key

2.2.2 Parallel-shaft helical gear units

Designation	Description
F..	Foot-mounted design, output shaft with key
FA..B	Foot-mounted design, hollow shaft with keyway
FH..B	Foot-mounted design, hollow shaft with shrink disk
FV..B	Foot-mounted design, splined hollow shaft to DIN 5480
FF..	B5 flange-mounted design, output shaft with key
FAF..	B5 flange-mounted design, hollow shaft with keyway
FHF..	B5 flange-mounted design, hollow shaft with shrink disk
FVF..	B5 flange-mounted design, splined hollow shaft according to DIN 5480
FA..	Hollow shaft with keyway
FH..	Hollow shaft with shrink disk
FT..	Hollow shaft with TorqLOC® hollow shaft mounting system
FV..	Splined hollow shaft according to DIN 5480
FZ..	B14 flange-mounted design, output shaft with key
FAZ..	B14 flange-mounted design, hollow shaft with keyway
FHZ..	B14 flange-mounted design, hollow shaft with shrink disk
FVZ..	B14 flange-mounted design, splined hollow shaft to DIN 5480
FM..	B5 flange-mounted design with extended bearing hub, output shaft with key
FAM..	B5 flange-mounted design with extended bearing hub, hollow shaft with keyway

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2.2.3 Helical-bevel gear units

Designation	Description
K..	Foot-mounted design, output shaft with key
KA..B	Foot-mounted design, hollow shaft with keyway
KAF..B	B5 flange-mounted design, foot-mounted design, hollow shaft with keyway
KF..B	B5 flange-mounted design, foot-mounted design, output shaft with key
KH..B	Foot-mounted design, hollow shaft with shrink disk
KHF..B	B5 flange-mounted design, foot-mounted design, hollow shaft with shrink disk
KV..B	Foot-mounted design, splined hollow shaft to DIN 5480
KF..	B5 flange-mounted design, output shaft with key
KAF..	B5 flange-mounted design, hollow shaft with keyway
KHF..	B5 flange-mounted design, hollow shaft with shrink disk
KVF..	B5 flange-mounted design, splined hollow shaft to DIN 5480
KA..	Hollow shaft with keyway
KH..	Hollow shaft with shrink disk
KT..	Hollow shaft with TorqLOC® hollow shaft mounting system
KV..	Splined hollow shaft to DIN 5480
KZ..	B14 flange-mounted design, output shaft with key
KAZ..	B14 flange-mounted design, hollow shaft with keyway
KHZ..	B14 flange-mounted design, hollow shaft with shrink disk
KVZ..	B14 flange-mounted design, splined hollow shaft to DIN 5480
KM..	B5 flange-mounted design with extended bearing hub, output shaft with key
KAM..	B5 flange-mounted design with extended bearing hub, hollow shaft with keyway

2.2.4 Helical-worm gear units

Designation	Description
S..	Foot-mounted design, output shaft with key
SF..	B5 flange-mounted design, output shaft with key
SAF..	B5 flange-mounted design and hollow shaft with keyway
SHF..	B5 flange-mounted design and hollow shaft with shrink disk
SA..	Hollow shaft with keyway
SH...	Hollow shaft with shrink disk
ST..	Hollow shaft with TorqLOC® hollow shaft mounting system
SAZ..	B14 flange-mounted design and hollow shaft with keyway

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Designation	Description
SHZ..	B14 flange-mounted design and hollow shaft with shrink disk

2.2.5 SPIROPLAN® right-angle gear units

Designation	Description
W..	Foot-mounted design, output shaft with key
WF..	B5 flange-mounted design, output shaft with key
WAF..	B5 flange-mounted design and hollow shaft with keyway
WA..	Hollow shaft with keyway
WHF..	B5 flange-mounted design and hollow shaft with shrink disk
WH..	Hollow shaft with shrink disk
WT..	Hollow shaft with TorqLOC® hollow shaft mounting system

2.2.6 Options

R.., F.., and K..7 gear units:

Designation	Description
/R	Reduced backlash

K.., S.., and W.. gear units:

Designation	Description
/T	With torque arm

F.. gear units:

Designation	Description
/G	With rubber buffer

2.2.7 Condition monitoring

Designation	Description
/DUV40A	Diagnostic Unit Vibration = vibration sensor

2.2.8 Optional output shafts

The available output shafts for the gear units and gearmotors are shown below. For the standard shaft dimensions, refer to the dimension sheets. Optional shafts are available on request. The optional shaft diameters or the optional shaft material can influence the permitted maximum torque M_{amax} and the permitted maximum overhung load of the gear units as shown in the catalog. The deviating values and other shaft dimensions are available on request.

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R, RF, RZ, R..F helical gear units

R, RF, RZ, R..F helical gear units										
Gear unit size	**27**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**	**127**
Solid shaft in mm	25×50[1)2)]	25×50[1)2)]	30×60[1)2)]	35×70[1)2)]	35×70[1)2)] 40×80	40×80[1)2)]	50×100[1)2)]	60×120[1)2)]	70×140[1)2)]	90×170[2)]
Solid shaft in inches	1×1.97[1)]	1×1.97[1)]	1.25×2.36[1)]	1,375×2.76[1)]	1,375×2.76[1)]	1.625×3.15[1)]	2,125×3.94[1)]	2,375×4.72[1)]	2.875×5.51	3.625×6.69

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional solid shaft without key (smooth).

F parallel-shaft helical gear units

F parallel-shaft helical gear units									
Gear unit size	**27**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Solid shaft in mm	25×50[1)]	25×50[1)2)]	30×60[1)2)] 35×70[1)2)]	35×70[1)]	40×80[1)2)] 35×70	50×100[1)2)] 45×90[1)2)]	60×120[1)2)]	70×140[1)]	90×170
Solid shaft in mm 2nd shaft end	25×50	25×50	30×60[1)2)] 35×70[1)]	35×70[2)]	40×80[1)2)]	50×100[1)2)]	60×120[1)2)]	70×140	90×170[1)2)]
Solid shaft in inches	1×1.97[1)]	1×1.97[1)]	1.25×2.36[1)] 1.375×2.76	1,375×2.76[1)]	1.625×3.15[1)] 1.375×2.76	2×3.94[1)] 1.75×3.54	2,375×4.72[1)]	2.875×5.51[1)]	3.625×6.69
Solid shaft in inches 2nd shaft end	–	–	1.25×2.36	–	1.625×3.15	2×3.94	–	–	3.625×6.69

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional solid shaft without key (smooth).

FF parallel-shaft helical gear units

FF parallel-shaft helical gear units									
Gear unit size	**27**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Solid shaft in mm	25×50[1)]	25×50[1)2)]	30×60[1)2)] 35×70[1)]	35×70[1)2)]	40×80[1)2)] 35×70	50×100[1)2)] 45×90	60×120[1)]	70×140[1)]	90×170
Solid shaft in inches	1×1.97[1)]	1×1.97[1)]	1.25×2.36[1)] 1.375×2.76	1,375×2.76[1)]	1.625×3.15[1)] 1.375×2.76	2×3.94[1)] 1.75×3.54	2,375×4.72[1)]	2.875×5.51[1)]	3.625×6.69

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional solid shaft without key (smooth).

FA, FAF, FAZ parallel-shaft helical gear units

FA, FAF, FAZ parallel-shaft helical gear units									
Gear unit size	**27**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft in mm	25[1)]	25[1)] 30[1)]	30[1)2)3)] 35[1)2)3)]	40[1)2)3)]	40[1)2)3)]	50[1)2)3)]	60[1)2)3)]	70[1)2)3)]	80[1)2)3)] 90[1)2)3)]
Hollow shaft in inches	1[1)]	1.25[1)]	1.188 1.25[1)] 1,375[1)]	1.438 1.5[1)]	1.438 1.5[1)]	1.938 2[1)]	2,375[1)] 2.438	2.75[1)] 2.938	3.25 3.438 3.625

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional with reinforced bearing.
3) Optional stainless steel X17CrNi16-2+QT900 with reinforced bearing.

FH, FHF, FHZ parallel-shaft helical gear units

FH, FHF, FHZ parallel-shaft helical gear units									
Gear unit size	**27**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft in mm	25[1)]	30[1)] 30×32[1)]	35[1)2)3)] 35/36[1)2)3)]	40[1)2)3)] 40/42[1)2)3)]	40[1)2)3)] 40/42[1)2)3)]	50[1)2)3)] 50/52[1)2)3)]	65[1)2)3)] 65/66[1)2)3)]	75[1)2)3)] 75/76[1)2)3)]	95[1)2)3)] 95/96[1)2)3)]

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional with reinforced bearing.
3) Optional stainless steel X17CrNi16-2+QT900 with reinforced bearing.

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FV, FVF, FVZ parallel-shaft helical gear units

FV, FVF, FVZ parallel-shaft helical gear units								
Gear unit size	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft Splined hollow shaft	N30	N35	N35	N45	N50	N65[1)]	N70	N85

1) Optional stainless steel X17CrNi16-2+QT900.

FZ parallel-shaft helical gear units

FZ parallel-shaft helical gear units									
Gear unit size	**27**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Solid shaft in mm	25×50[1)]	25×50	30×60 35×70	35×70	40×80	50×100	60×120	70×140	90×170[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

FT parallel-shaft helical gear units

FT parallel-shaft helical gear units								
Gear unit size	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft in mm With TorqLOC® With TorqLOC® Plus	25[1)] 30[1)]	25 30[1)] 35[1)]	35[1)] 38[1)] 40[1)]	35[1)] 38[1)] 40[1)]	40 42 45 50[1)] 51	50 51[1)] 55 60[1)] 62[1)] 65[1)]	60 62[1)] 65 70[1)] 75[1)]	80[1)] 85[1)] 90[1)] 92[1)] 95[1)]
Hollow shaft in inches With TorqLOC® With TorqLOC® Plus	1[1)] 1,188[1)] 1.25[1)]	1,188[1)] 1.25[1)] 1,375[1)] 1,438[1)]	1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)]	1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)] 1.688	1,625[1)] 1.688 1.75[1)] 1,938[1)] 2[1)]	1,938[1)] 2[1)] 2,375[1)] 2,438[1)]	2,438[1)] 2.75[1)] 2,938[1)]	3.25[1)] 3,438[1)] 3,625[1)] 3.75[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

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K helical-bevel gear units

K helical-bevel gear units						
Gear unit size	**29**	**39**	**49**	**37**	**47**	**57**
Solid shaft in mm	25×50[1)2)]	30×60[1)2)]	35×70[1)]	25×50[1)2)]	30×60[1)2)] 35×70[1)2)]	35×70[1)2)]
Solid shaft in mm 2nd shaft end	25×50[1)]	30×60[1)2)]	35×70[1)2)]	25×50[1)2)]	30×60[1)2)] 35×70[1)]	35×70[1)2)]
Solid shaft in inches	1×1.97[1)]	1×1.97[1)] 1.25×2.36[1)]	1,375×2.76[1)]	1×1.97[1)]	1.25×2.36[1)] 1.375×2.76	1,375×2.76[1)]
Solid shaft in inches 2nd shaft end	1×1.97[1)]	1.25×2.36[1)]	1,375×2.76[1)]	1×1.97	1.25×2.36 1.375×2.76	1.375×2.76

1) Optional stainless steel X17CrNi16-2+QT900.

2) Optional solid shaft without key (smooth).

K helical-bevel gear units					
Gear unit size	**67**	**77**	**87**	**97**	**107**
Solid shaft in mm	40×80[1)2)] 35×70	50×100[1)2)] 45×90[1)2)]	60×120[1)2)]	70×140[1)2)]	90×170[1)2)]
Solid shaft in mm 2nd shaft end	40×80[1)2)] 35×70	50×100[1)2)] 45×90	60×120[1)2)]	70×140[2)]	90×170[1)2)]
Solid shaft in inches	1.375×2.76 1.625×3.15[1)]	2×3.94[1)] 1.75 × 3.54	2,375×4.72[1)]	2.875×5.51[1)]	3.625×6.69
Solid shaft in inches 2nd shaft end	1.625×3.15 1.375×2.76	2×3.94 1.75 × 3.54	2.375×4.72	2.875×5.51	3.625×6.69

1) Optional stainless steel X17CrNi16-2+QT900.

2) Optional solid shaft without key (smooth).

KF helical-bevel gear units

KF helical-bevel gear units						
Gear unit size	**29**	**39**	**49**	**37**	**47**	**57**
Solid shaft in mm	25×50[1)]	30×60[1)]	35×70[1)]	25×50[1)2)]	30×60[1)2)] 35×70[1)]	35×70[1)2)]
Solid shaft in mm 2nd shaft end	–	–	–	25 × 50[1)]	30 × 60	35 × 70
Solid shaft in inches	1×1.97[1)]	1×1.97[1)] 1.25×2.36[1)]	1,375×2.76[1)]	1×1.97[1)]	1.25×2.36[1)]	1,375×2.76[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

2) Optional solid shaft without key (smooth).

KF helical-bevel gear units					
Gear unit size	**67**	**77**	**87**	**97**	**107**
Solid shaft in mm	40×80[1)2)] 35×70	50×100[1)2)] 45×90	60×120[1)2)]	70×140[1)2)]	90×170[2)]
Solid shaft in mm 2nd shaft end	40×80 35×70	50×100[1)]	60×120	70×140[2)]	90×170
Solid shaft in inches	1.625×3.15[1)] 1.375×2.76	2×3.94[1)] 1.75×3.54	2,375×4.72[1)]	2.875×5.51[1)]	3.625×6.69

1) Optional stainless steel X17CrNi16-2+QT900.

2) Optional solid shaft without key (smooth).

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KA, KAF, KAZ helical-bevel gear units

KA, KAF, KAZ helical-bevel gear units											
Gear unit size	**29**	**39**	**49**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft in mm	25[1)] 30[1)]	30[1)] 35[1)]	35[1)] 40[1)]	25[1)] 30[1)]	30[1)2)3)] 35[1)2)3)]	40[1)2)3)]	40[1)2)3)]	50[1)2)3)]	60[1)2)3)]	70[1)2)3)]	80[1)2)3)] 90[1)2)3)]
Hollow shaft in inches	1[1)]	1.25[1)] 1,375[1)]	1,375[1)] 1.5[1)]	1.25[1)]	1.188 1.25[1)] 1,375[1)]	1.438 1.5[1)]	1.438 1.5[1)]	1.938 2[1)]	2,375[1)] 2.438	2.75[1)] 2.938	3.25 3.438 3.625

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional with reinforced bearing.
3) Optional stainless steel X17CrNi16-2+QT900 with reinforced bearing.

KH, KHF, KHZ helical-bevel gear units

KH, KHF, KHZ helical-bevel gear units											
Gear unit size	**29**	**39**	**49**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft in mm	25[1)]	35[1)]	40[1)]	30[1)] 30×32[1)]	35[1)2)3)] 35/36[1)2)3)]	40[1)2)3)] 40/42[1)2)3)]	40[1)2)3)] 40/42[1)2)3)]	50[1)2)3)] 50/52[1)2)3)]	65[1)2)3)] 65/66[1)2)3)]	75[1)2)3)] 75/76[1)2)3)]	95[1)2)3)] 95/96[1)2)3)]

1) Optional stainless steel X17CrNi16-2+QT900.
2) Optional with reinforced bearing.
3) Optional stainless steel X17CrNi16-2+QT900 with reinforced bearing.

KV, KVF, KVZ helical-bevel gear units

KV, KVF, KVZ helical-bevel gear units								
Gear unit size	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Splined hollow shaft	N30	N35	N35	N45	N50	N65[1)]	N70	N85

1) Optional stainless steel X17CrNi16-2+QT900.

KZ helical-bevel gear units

KZ helical-bevel gear units								
Gear unit size	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Solid shaft in mm	25×50	30×60 35×70	35×70	40×80	50×100	60×120	70×140	90×170[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

KT helical-bevel gear units

KT helical-bevel gear units											
Gear unit size	**29**	**39**	**49**	**37**	**47**	**57**	**67**	**77**	**87**	**97**	**107**
Hollow shaft in mm with TorqLOC® with TorqLOC® Plus	25[1)]	30[1)] 35[1)]	35[1)] 40[1)]	25[1)] 30[1)]	25[1)] 30[1)] 35[1)]	35[1)] 38[1)] 40[1)]	35[1)] 38[1)] 40[1)]	40 42 45 50[1)] 51	50 51[1)] 55 60[1)] 62[1)] 65[1)]	60 62[1)] 65 70[1)] 75[1)]	80[1)] 85[1)] 90[1)] 92[1)] 95[1)]
Hollow shaft in inches with TorqLOC® with TorqLOC® Plus	0,984[1)] 1[1)]	1,188[1)] 1.25[1)] 1,375[1)] 1,438[1)]	1.25 1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)] 1.688	1[1)] 1,188[1)] 1.25[1)]	1,188[1)] 1.25[1)] 1,375[1)] 1,438[1)]	1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)]	1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)] 1.688	1,625[1)] 1.688 1.75[1)] 1,938[1)] 2[1)]	1,938[1)] 2[1)] 2,375[1)] 2,438[1)]	2,438[1)] 2.75[1)] 2,938[1)]	3.25[1)] 3,438[1)] 3,625[1)] 3.75[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

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S helical-worm gear units

S helical-worm gear units						
Gear unit size	**47**	**57**	**67**	**77**	**87**	**97**
Solid shaft in mm	25×50[1)2)]	30×60[1)2)]	35×70[1)2)] 40×80[1)]	45×90[1)2)] 50×100[1)]	60×120[1)]	70×140[1)]
Solid shaft in mm 2nd shaft end	25×50[1)2)]	30×60[1)2)]	35×70[1)2)] 40×80	45×90[1)] 50×100	60×120	70×140[1)]
Solid shaft in inches	1×1.97[1)]	1.25×2.36[1)]	1,375×2.76[1)] 1.625×3.15	1.75×3.54[1)] 2×3.94	2,375×4.72[1)]	2.875×5.51[1)]
Solid shaft in inches 2nd shaft end	1×1.97	1.25×2.36	1.375×2.76 1.625×3.15	1.75×3.54 2×3.94	2.375×4.72	2.875×5.51

1) Optional stainless steel X17CrNi16-2+QT900.

2) Optional solid shaft without key (smooth).

SF helical-worm gear units

SF helical-worm gear units						
Gear unit size	**47**	**57**	**67**	**77**	**87**	**97**
Solid shaft in mm	25×50[1)2)]	30×60[1)2)]	35×70[1)2)] 40×80[1)]	45×90[1)2)] 50×100[1)]	60×120[1)]	70×140[1)]
Solid shaft in mm 2nd shaft end	25×50[1)]	30×60	35×70	45×90	60×120	70×140
Solid shaft in inches	1×1.97[1)]	1.25×2.36[1)]	1,375×2.76[1)] 1.625×3.15	1.75×3.54[1)] 2×3.94	2,375×4.72[1)]	2.875×5.51[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

2) Optional solid shaft without key (smooth).

SA, SAF, SAZ helical-worm gear units

SA, SAF, SAZ helical-worm gear units						
Gear unit size	**47**	**57**	**67**	**77**	**87**	**97**
Hollow shaft in mm	25[1)] 30[1)]	30[1)] 35[1)]	40[1)] 45[1)]	50[1)] 60[1)]	60[1)] 70[1)]	70[1)] 90[1)]
Hollow shaft in inches	1.25[1)]	1.188 1.25[1)] 1,375[1)]	1.5[1)]	2[1)]	2,375[1)]	2.75[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

SH, SHF, SHZ helical-worm gear units

SH, SHF, SHZ helical-worm gear units						
Gear unit size	**47**	**57**	**67**	**77**	**87**	**97**
Hollow shaft in mm	30[1)] 30×32[1)]	35[1)] 35×36[1)]	40[1)] 40/42	50[1)] 50/52	65[1)] 65/66	75[1)] 75/76

1) Optional stainless steel X17CrNi16-2+QT900.

ST helical-worm gear units

ST helical-worm gear units						
Gear unit size	**47**	**57**	**67**	**77**	**87**	**97**
Hollow shaft in mm With TorqLOC® With TorqLOC® Plus	25[1)] 30[1)]	25 30[1)] 35[1)]	35[1)] 38[1)] 40[1)]	40 45 50[1)] 51[1)]	50 51[1)] 60[1)] 62[1)] 65[1)]	60 62[1)] 70[1)] 75[1)]
Hollow shaft in inches With TorqLOC® With TorqLOC® Plus	1[1)] 1,188[1)] 1.25[1)]	1,188[1)] 1.25[1)] 1,375[1)] 1,438[1)]	1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)] 1.688	1,625[1)] 1.688 1.75[1)] 1,938[1)] 2[1)]	1,938[1)] 2[1)] 2,375[1)] 2,438[1)]	2,438[1)] 2.75[1)] 2,938[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

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WF SPIROPLAN® right-angle gear units

WF SPIROPLAN® right-angle gear units		
Gear unit size	**49**	**59**
Solid shaft in mm	30×60[1)]	35×70[1)]
Solid shaft in mm 2nd shaft end	–	–
Solid shaft in inches	1×1.97[1)]	1,375×2.76[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

WA, WAF SPIROPLAN® right-angle gear units

WA, WAF SPIROPLAN® right-angle gear units		
Gear unit size	**49**	**59**
Hollow shaft in mm	30[1)] 35[1)]	35[1)] 40[1)]
Hollow shaft in inches	1.25[1)] 1,375[1)]	1,375[1)] 1.5[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

WH, WHF SPIROPLAN® right-angle gear units

WH, WHF SPIROPLAN® right-angle gear units		
Gear unit size	**49**	**59**
Hollow shaft in mm	35[1)]	40[1)]
Hollow shaft in inches	1,375[1)]	1.57[1)]

1) Optional stainless steel X17CrNi16-2+QT900.

WT SPIROPLAN® right-angle gear units

WT SPIROPLAN® right-angle gear units		
Gear unit size	**49**	**59**
Hollow shaft in mm With TorqLOC® With TorqLOC® Plus	30[1)] 35[1)]	35[1)] 40[1)]
Hollow shaft in inches With TorqLOC® With TorqLOC® Plus	1,188[1)] 1.25[1)] 1,375[1)] 1,438[1)]	1.25 1,375[1)] 1,438[1)] 1.5[1)] 1,625[1)] 1.688

1) Optional stainless steel X17CrNi16-2+QT900.

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2.3 Designs and options of the MOVIMOT® performance drive unit

2.3.1 MOVIMOT® performance drive unit

The type designation of the MOVIMOT® performance drive unit always consists of the following:

- Designation of the DRN.. asynchronous motor

  and

- Designation of the communication variant.

Designation	Motor
CM3C	CM3C = Synchronous servomotor
80	80 with electronics cover size 1 100 with electronics cover size 2
S	S = Short M = Medium LM = for size 2
K	Shaft design (see CM3C.. motor catalog)

Designation	Communication version
/DBC	Direct Fieldbus Communication
/DAC	Direct AS-Interface Communication
/DFC	Direct Fieldbus Communication
/DSI	Direct System Bus Installation

2.3.2 Brake

Designation	Description
/BZ	BZ = Brake BZ
/HR	HR = Manual brake release

2.3.3 Encoder

Designation	Description	Capability class
/EZ2Z	Single-turn encoder, MOVILINK® DDI	Medium class
/AZ2Z	Multi-turn encoder, MOVILINK® DDI	Medium class
/EZ4Z	Single-turn encoder, MOVILINK® DDI	High class
/AZ4Z	Multi-turn encoder, MOVILINK® DDI	High class

2.3.4 Thermal monitoring

Designation	Description
/PK	Temperature sensor

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2.3.5 Plug connector

Designation	Description
/IV	Plug connector

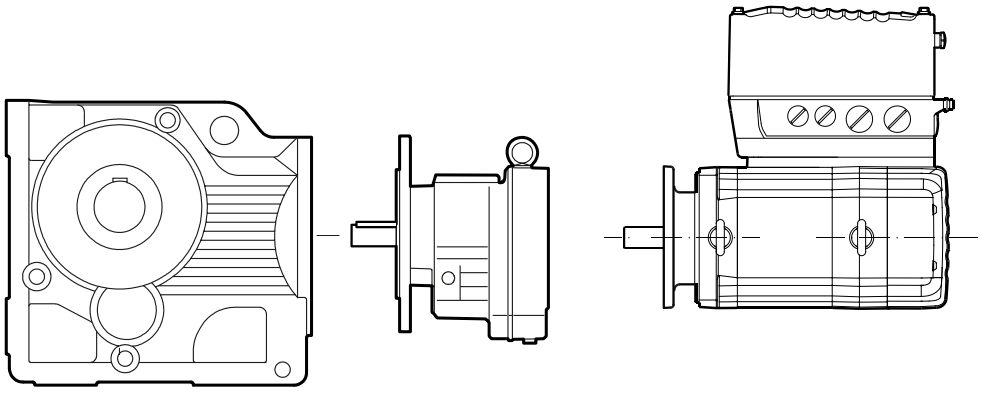
2.3.6 Other options

Designation	Description
/DI	Digital Interface
/PE	Pressure compensation fitting, electronics
/BW1	/BW1 = Integrated braking resistor BW1 for size 1 /BW2 = Integrated braking resistor BW2 for size 2
/DSP	DynaStop® electrodynamic retarding function

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2.4 Sample type designation of MOVIMOT® performance drive units

The type designation of the gearmotor starts from the component on the output end. For example, a helical-bevel compound gear unit has the following type designation:



K127 **RF87** **CM3C../D..**

33046756747

KAF	**Series of 1st gear unit** KAF = Gear unit (+ design)
127	**Size of 1st gear unit**
R	**Series of 2nd gear unit** R = Primary gear unit
87	**Size of 2nd gear unit**
CM3C	**Product family** CM3C = Synchronous servomotor
80	**Size** 80 with electronics cover size 1
S	**Length** S = Small
-	
K	**Shaft design** K = With key
/	
BZ	**Brake** BZ **=** BZ brake
/	
HR	**Manual brake release** HR = Manual brake release
/	
DI	**Digital motor integration** DI = Digital Interface
/	

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DBC	**Communication version** DBC = Direct Binary Communication
/	
AZ2Z	**Option** AZ2Z = Multi-turn encoder with MOVILINK®-DDI connection

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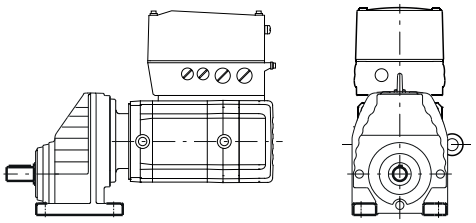
2.5 MOVIMOT® performance gearmotor designs

INFORMATION

The designs shown in this chapter refer to the MOVIMOT® performance gearmotors of SEW-EURODRIVE.

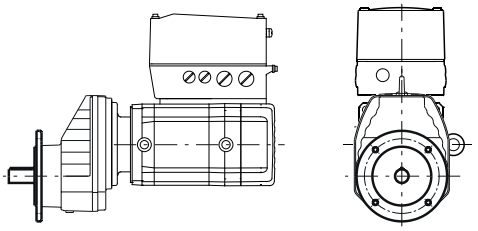
2.5.1 Helical gearmotors

The following designs of helical gearmotors are available:



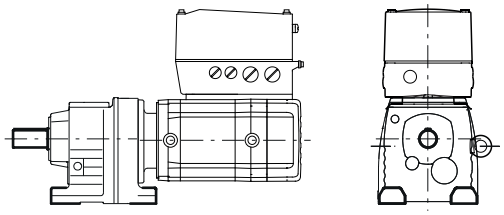
RX..CM3C../D..

Single-stage helical gearmotor in foot-mounted design



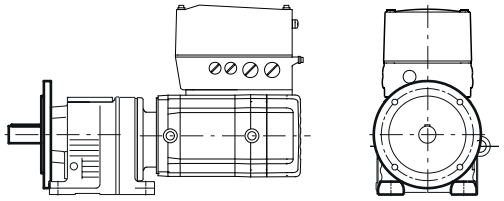
RXF..CM3C../D..

Single-stage helical gearmotor in B5 flange-mounted design



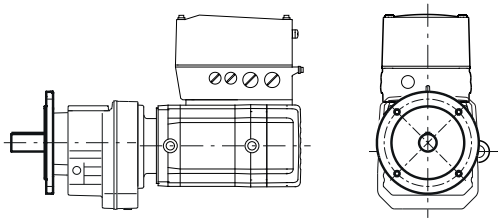
R..CM3C../D..

Helical gearmotor in foot-mounted design



R..F..CM3C../D..

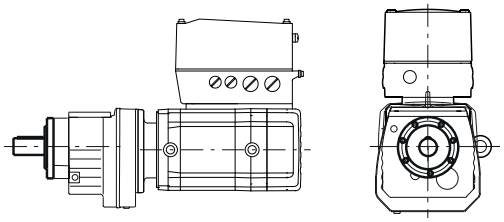
Helical gearmotor in foot-mounted and B5 flange-mounted design



RF..CM3C../D..

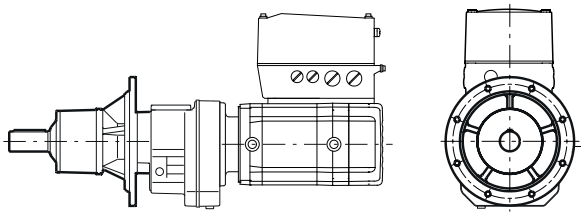
Helical gearmotor in B5 flange-mounted design

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RZ..CM3C../D..

Helical gearmotor in B14 flange-mounted design



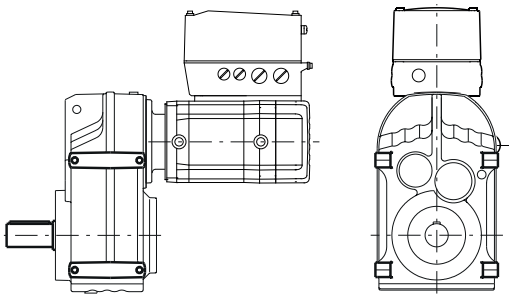
RM..CM3C../D..

Helical gearmotor in B5 flange-mounted design with extended bearing hub

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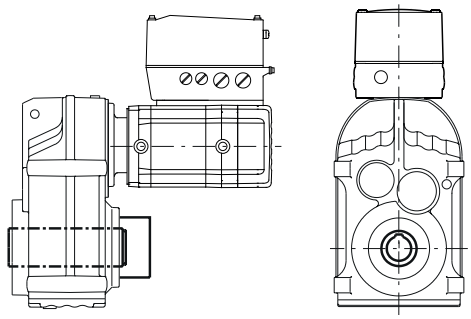
2.5.2 Parallel-shaft helical gear units

The following designs of parallel-shaft helical gearmotors are available:



F..CM3C../D..

Parallel-shaft helical gearmotor in foot-mounted design

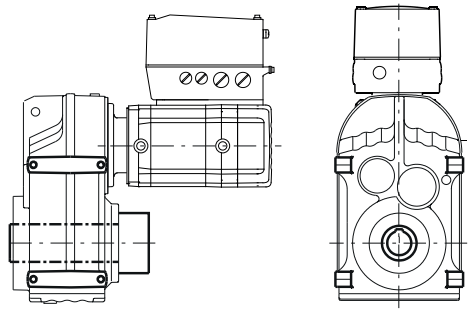


FA..B..CM3C../D..

Parallel-shaft helical gearmotor in foot-mounted design with hollow shaft

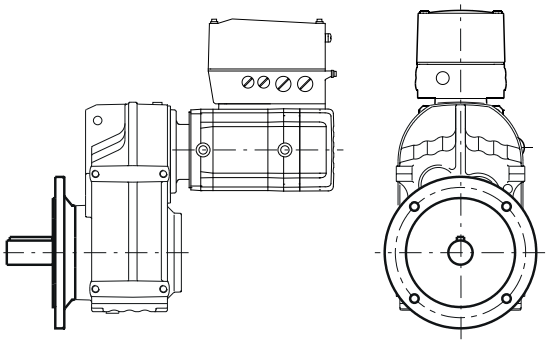
FV..B..CM3C../D..

Parallel-shaft helical gearmotor in foot-mounted design with splined hollow shaft according to DIN 5480



FH..B..CM3C../D..

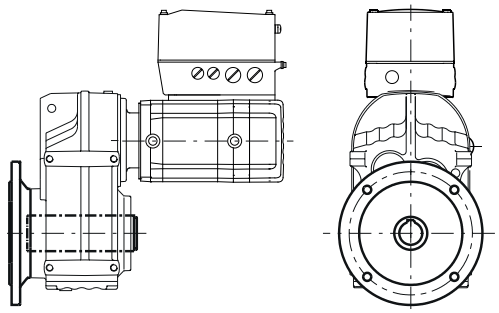
Parallel-shaft helical gearmotor in foot-mounted design with hollow shaft and shrink disk



FF..CM3C../D..

Parallel-shaft helical gearmotor in B5 flange-mounted design

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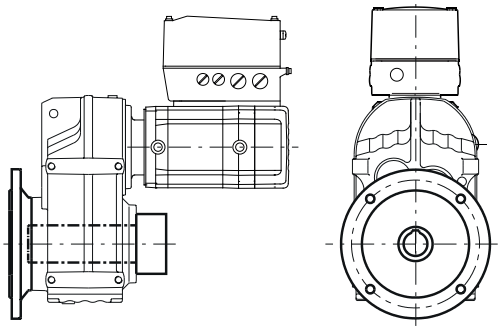


FAF..CM3C../D..

Parallel-shaft helical gearmotor in B5 flange-mounted design with hollow shaft

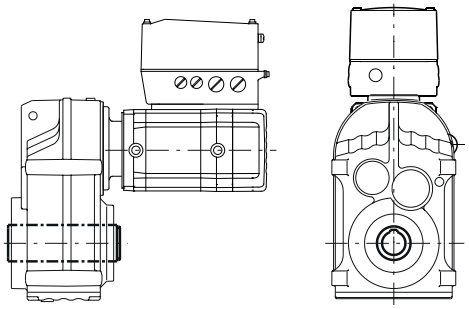
FVF..CM3C../D..

Parallel-shaft helical gearmotor in B5 flange-mounted design with splined hollow shaft according to DIN 5480



FHF..CM3C../D..

Parallel-shaft helical gearmotor in B5 flange-mounted design with hollow shaft and shrink disk

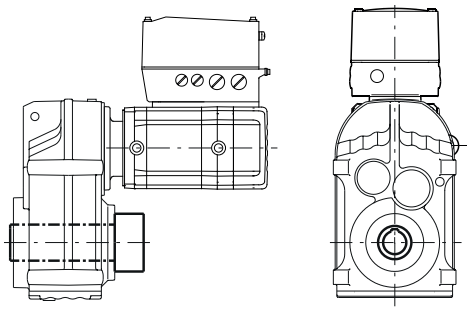


FA..CM3C../D..

Parallel-shaft helical gearmotor with hollow shaft

FV..CM3C../D..

Parallel-shaft helical gearmotor with splined hollow shaft according to DIN 5480

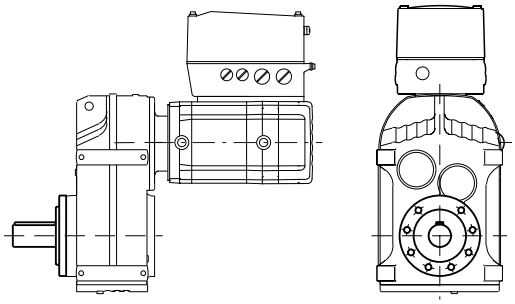


FH..CM3C../D..

Parallel-shaft helical gearmotor with hollow shaft and shrink disk

FT..CM3C../D..

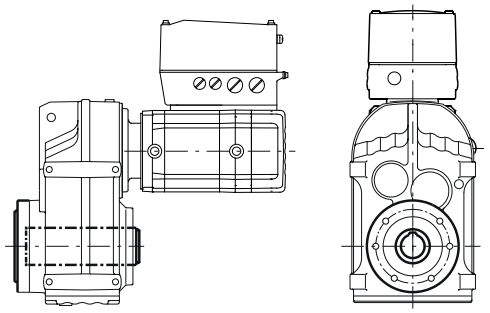
Parallel-shaft helical gearmotor with hollow shaft and TorqLOC® hollow shaft mounting system



FZ..CM3C../D..

Parallel-shaft helical gearmotor in B14 flange-mounted design

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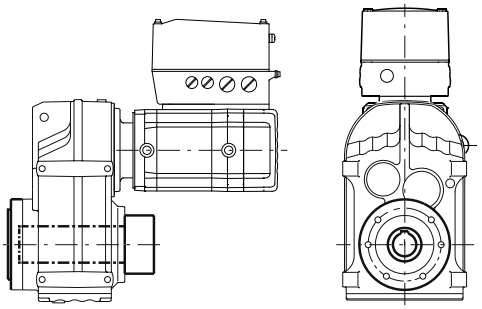


FAZ..CM3C../D..

Parallel-shaft helical gearmotor in B14 flange-mounted design with hollow shaft

FVZ..CM3C../D..

Parallel-shaft helical gearmotor in B14 flange-mounted design with splined hollow shaft according to DIN 5480



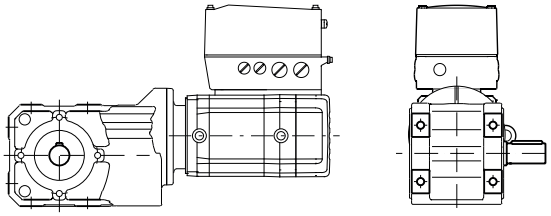
FHZ..CM3C../D..

Parallel-shaft helical gearmotor in B14 flange-mounted design with hollow shaft and shrink disk

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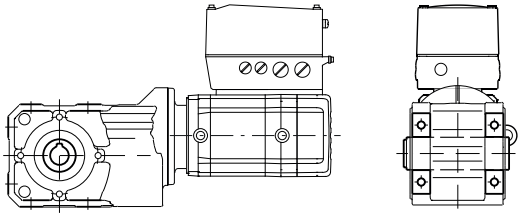
2.5.3 Helical-bevel gearmotors, gear unit sizes K..29

The following designs of helical-bevel gearmotors with gear units of size K..29 are available:



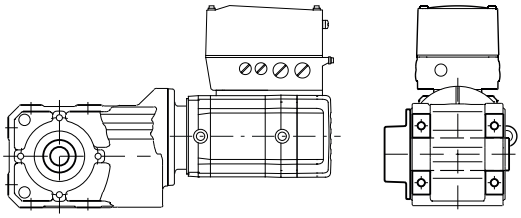
K29..CM3C../D..

Helical-bevel gearmotor in foot-mounted design



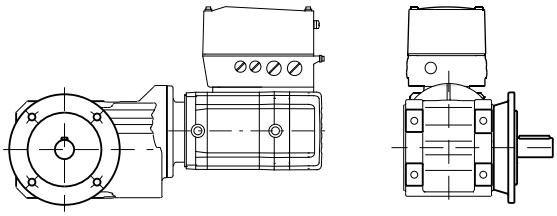
KA29B..CM3C../D..

Helical-bevel gearmotor in foot-mounted design with hollow shaft in foot-mounted design



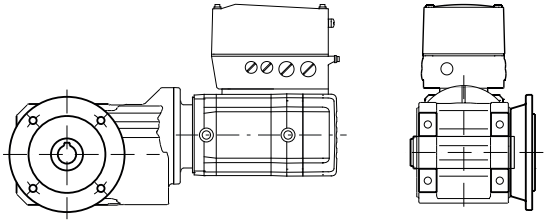
KH29B..CM3C../D..

Helical-bevel gearmotor in foot-mounted design with hollow shaft and shrink disk



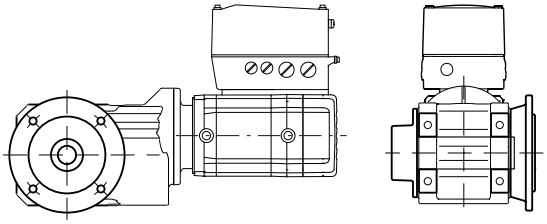
KF29B..CM3C../D..

Foot-mounted helical-bevel gearmotor in B5 flange-mounted design



KAF29B..CM3C../D..

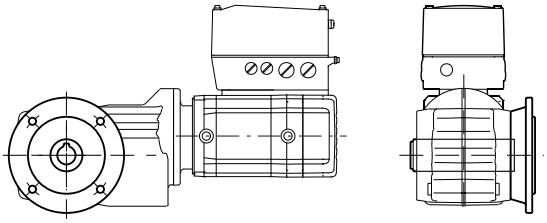
Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft in foot-mounted design



KHF29B..CM3C../D..

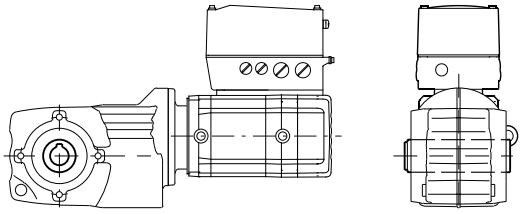
Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft and shrink disk

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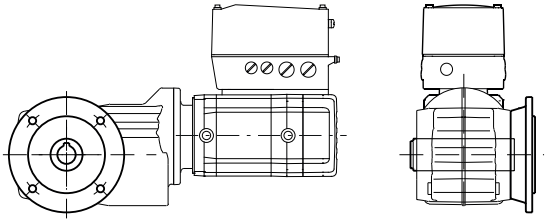
KF29..CM3C../D

Helical-bevel gearmotor in B5 flange-mounted design



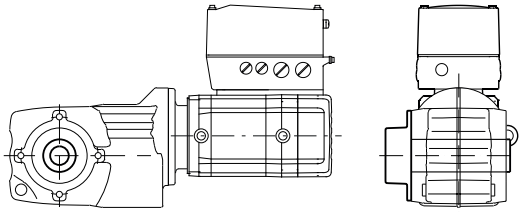
KA29..CM3C../D..

Helical-bevel gearmotor with hollow shaft



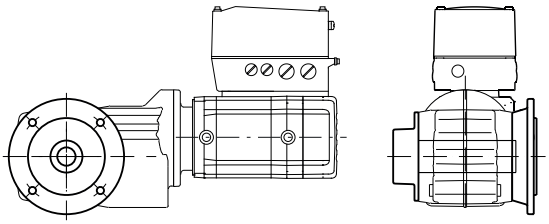
..**KAF29..CM3C../D..**

Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft



KH29..CM3C../D..

Helical-bevel gearmotor with hollow shaft and shrink disk



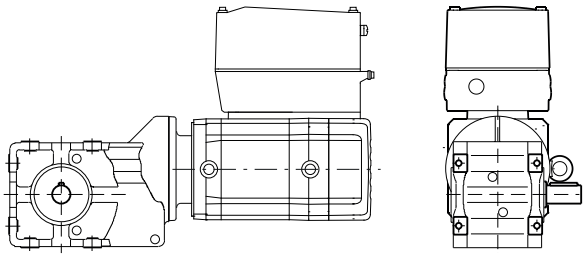
KHF29..CM3C../D..

Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft and shrink disk

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2.5.4 Helical-bevel gearmotors, gear unit sizes K..39 and K..49

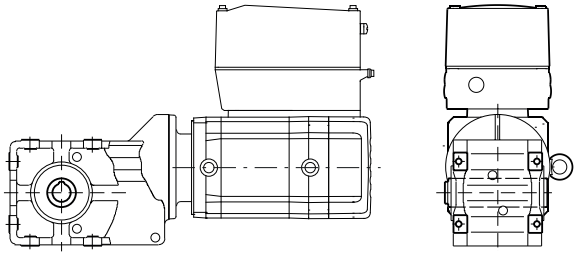
The following designs of helical-bevel gearmotors with gear units of sizes K..39 and K..49 are available:



K39..CM3C../D..

K49..CM3C../D..

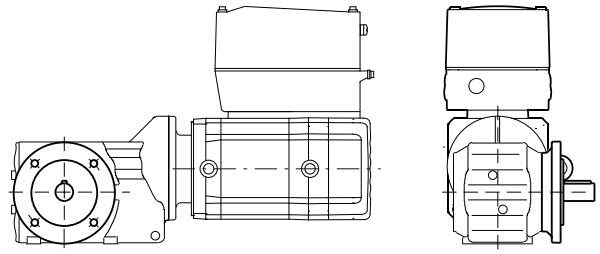
Helical-bevel gearmotor in foot-mounted design



KA39B..CM3C../D..

KA49B..CM3C../D..

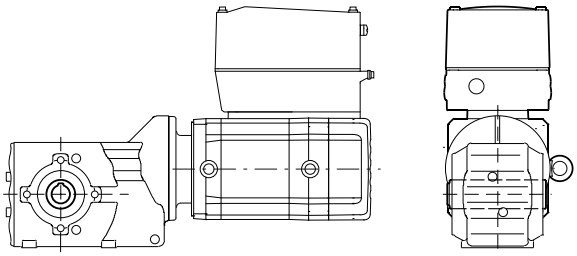
Helical-bevel gearmotor in foot-mounted design



KF39..CM3C../D..

KF49..CM3C../D..

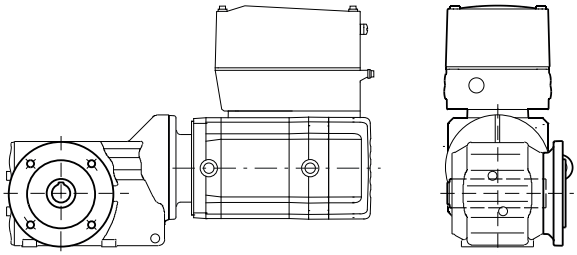
Helical-bevel gearmotor in B5 flange-mounted design



KA39..CM3C../D..

KA49..CM3C../D..

Helical-bevel gearmotor with hollow shaft

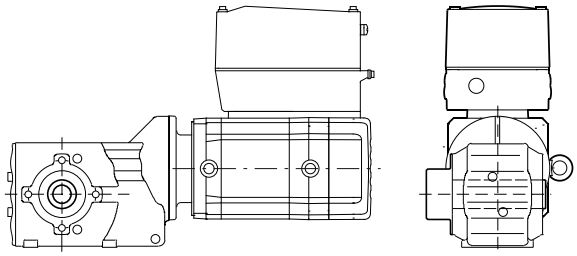


KAF39..CM3C../D..

KAF49..CM3C../D..

Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft

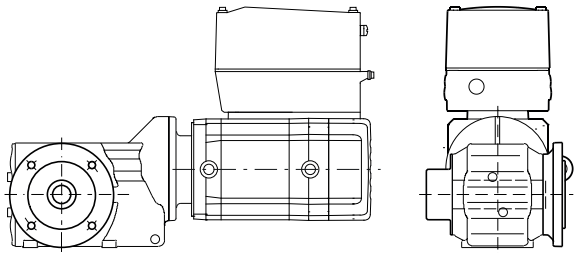
31546617/EN – 04/2026



KH39..CM3C../D..

KH49..CM3C../D..

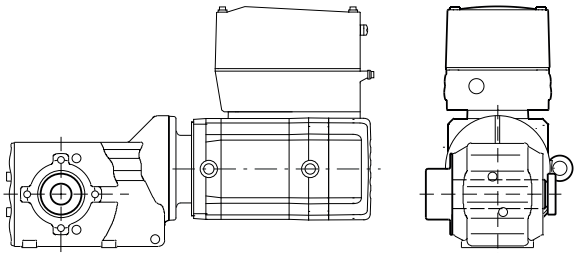
Helical-bevel gearmotor with hollow shaft and shrink disk



KHF39..CM3C../D..

KHF49..CM3C../D..

Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft and shrink disk



KT39..CM3C../D..

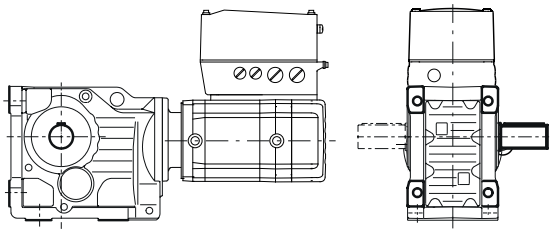
KT49..CM3C../D..

Helical-bevel gearmotor with hollow shaft and TorqLOC® hollow shaft mounting system

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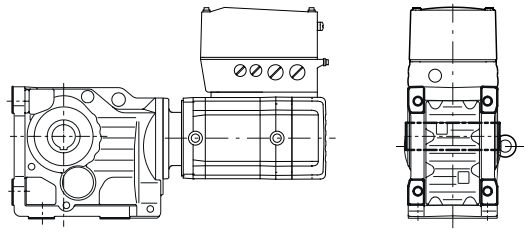
2.5.5 Helical-bevel gearmotors, gear unit sizes K..7

The following designs of helical-bevel gearmotors with gear units of size K..7 are available:



K..7..CM3C../D..

Helical-bevel gearmotor in foot-mounted design

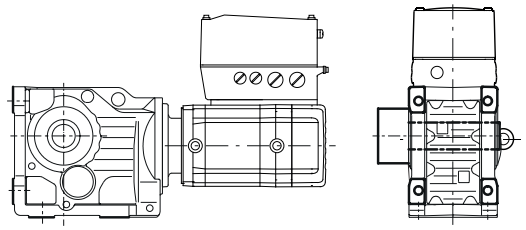


KA..7B..CM3C../D..

Helical-bevel gearmotor in foot-mounted design with hollow shaft

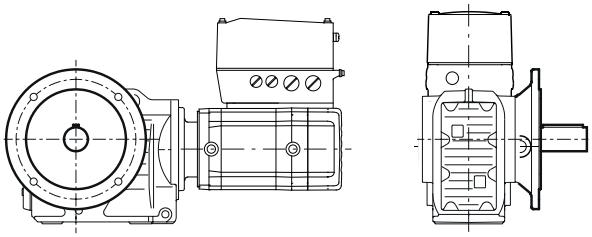
KV..7B..CM3C../D..

Helical-bevel gearmotor in foot-mounted design with splined hollow shaft to DIN 5480



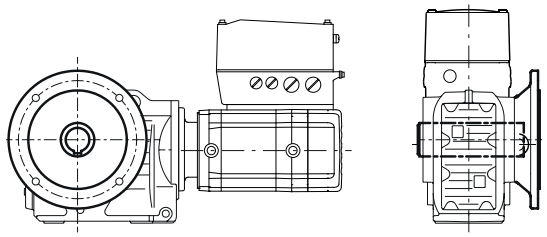
KH..7B..CM3C../D..

Helical-bevel gearmotor in foot-mounted design with hollow shaft and shrink disk



KF..7..CM3C../D..

Helical-bevel gearmotor in B5 flange-mounted design

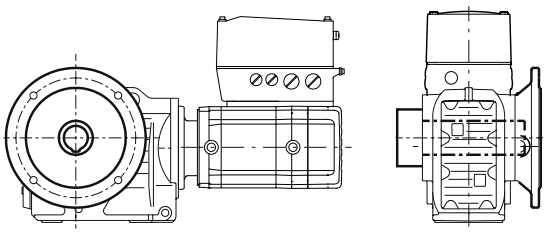


KAF..7..CM3C../D..

Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft

KVF..7..CM3C../D..

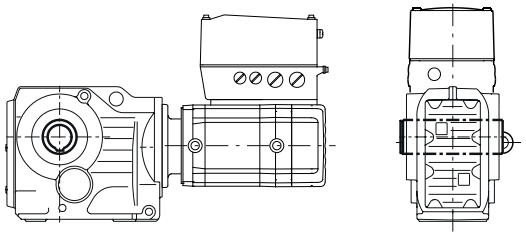
Helical-bevel gearmotor in B5 flange-mounted design with splined hollow shaft to DIN 5480



KHF..7..CM3C../D..

Helical-bevel gearmotor in B5 flange-mounted design with hollow shaft and shrink disk

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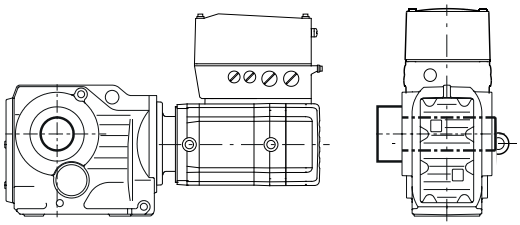


KA..7..CM3C../D..

Helical-bevel gearmotor with hollow shaft

KV..7..CM3C../D..

Helical-bevel gearmotor with splined hollow shaft to DIN 5480

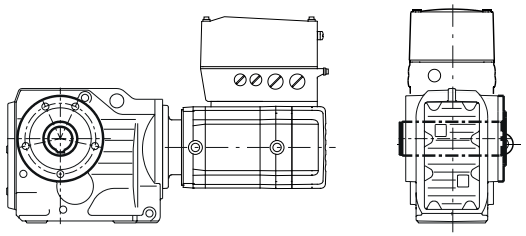


KH..7..CM3C../D..

Helical-bevel gearmotor with hollow shaft and shrink disk

KT..7..CM3C../D..

Helical-bevel gearmotor with hollow shaft and TorqLOC® hollow shaft mounting system

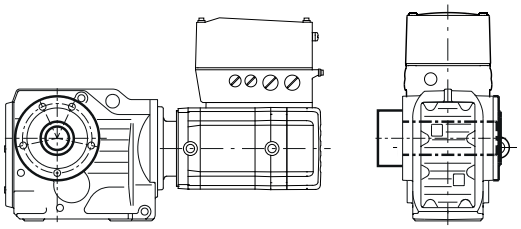


KAZ..7..CM3C../D..

Helical-bevel gearmotor in B14 flange-mounted design with hollow shaft

KVZ..7..CM3C../D..

Helical-bevel gearmotor in B14 flange-mounted design with splined hollow shaft to DIN 5480



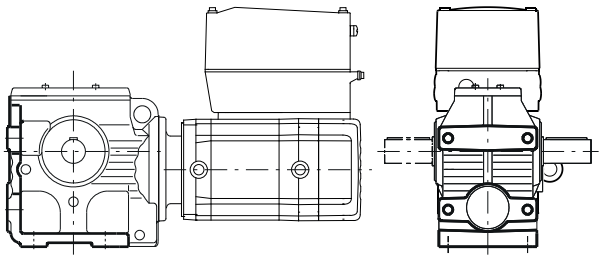
KHZ..7..CM3C../D..

Helical-bevel gearmotor in B14 flange-mounted design with hollow shaft and shrink disk

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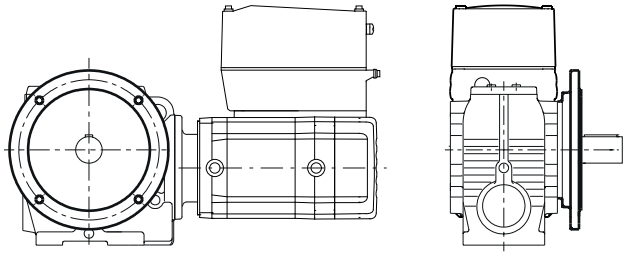
2.5.6 Helical-worm gearmotors

The following designs of helical-worm gearmotors are available:



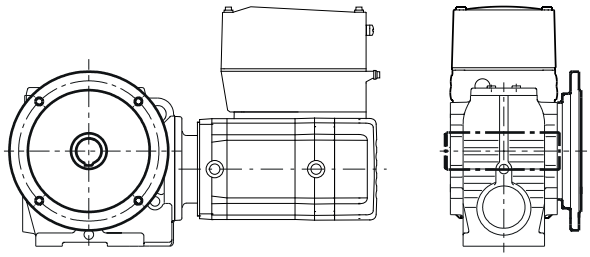
S.. CM3C../D..

Helical-worm gearmotor in foot-mounted design



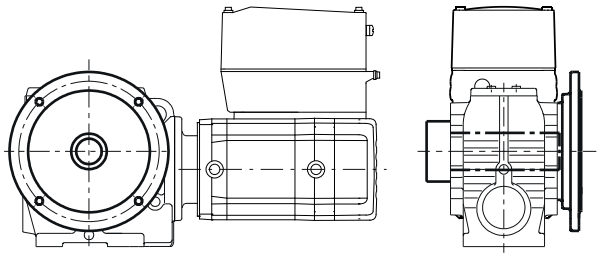
SF.. CM3C../D..

Helical-worm gearmotor in B5 flange-mounted design



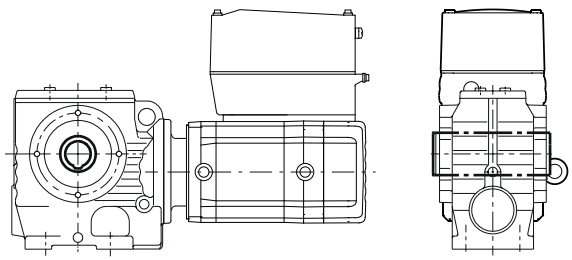
SAF..CM3C../D..

Helical-worm gearmotor in B5 flange-mounted design with hollow shaft



SHF.. CM3C../D..

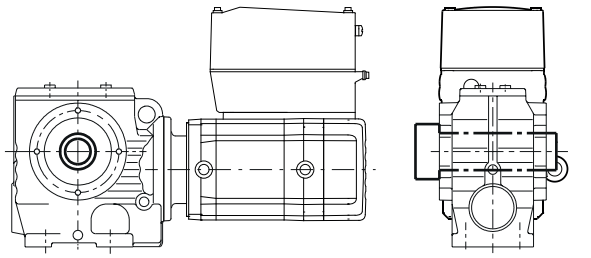
Helical-worm gearmotor in B5 flange-mounted design with hollow shaft and shrink disk



SA.. CM3C../D..

Helical-worm gearmotor with hollow shaft

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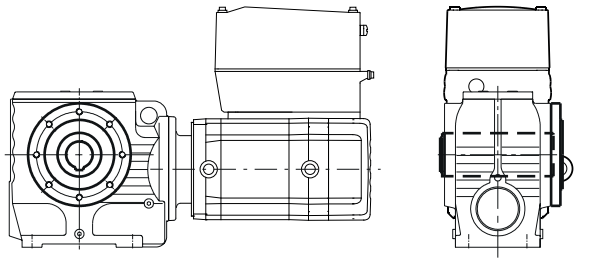


SH..CM3C../D..

Helical-worm gearmotor with hollow shaft and shrink disk

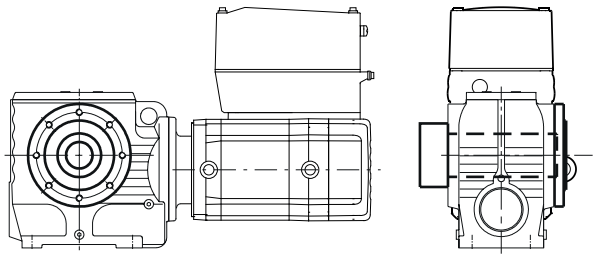
ST.. CM3C../D..

Helical-worm gearmotor with hollow shaft and TorqLOC® hollow shaft mounting system



SAZ.. CM3C../D..

Helical-worm gearmotor in B14 flange-mounted design with hollow shaft



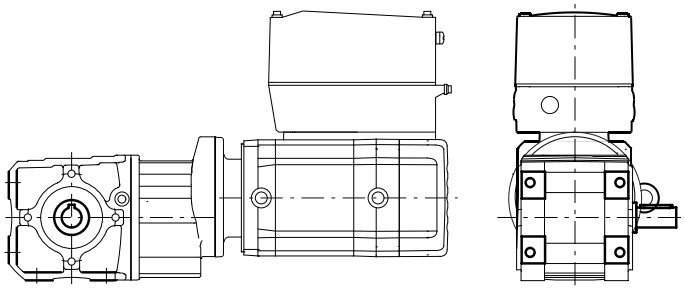
SHZ.. CM3C../D..

Helical-worm gearmotor in B14 flange-mounted design with hollow shaft and shrink disk

31546617/EN – 04/2026

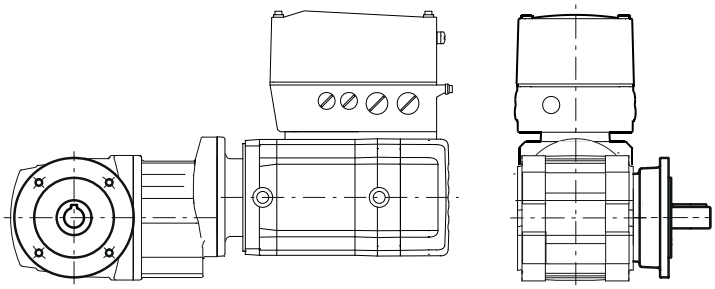
2.5.7 SPIROPLAN® gearmotors

The following designs of SPIROPLAN® gearmotors are available:



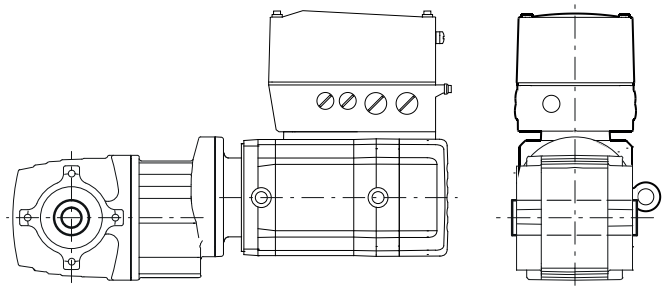
W..CM3C../D..

SPIROPLAN® right-angle gearmotor in foot-mounted design



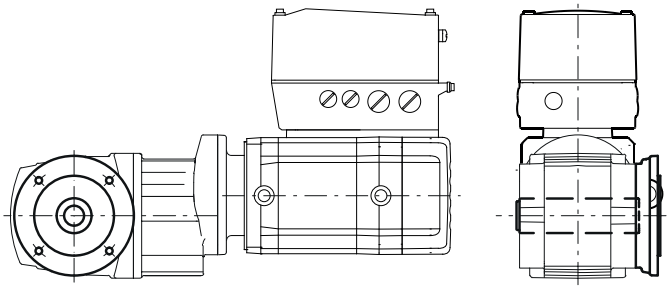
WF..CM3C../D..

SPIROPLAN® right-angle gearmotor in flange-mounted design



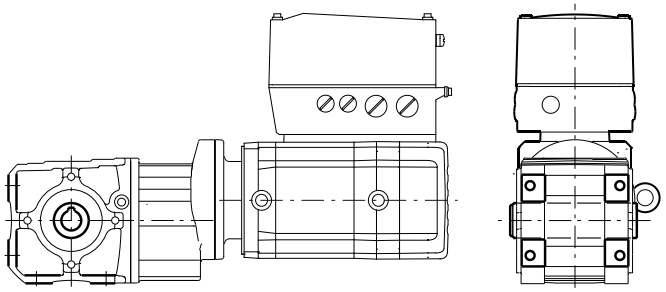
WA..CM3C../D..

SPIROPLAN® right-angle gearmotor with hollow shaft



WAF..CM3C../D..

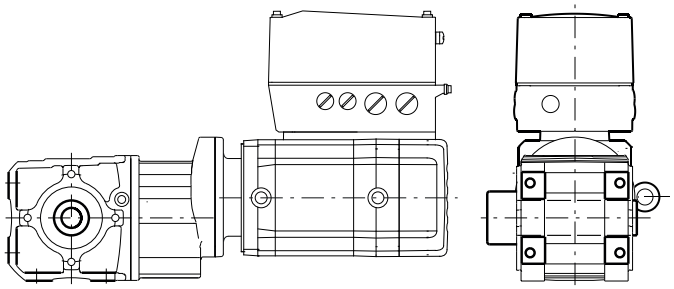
SPIROPLAN® right-angle gearmotor in flange-mounted design with hollow shaft



WA..B..CM3C../D..

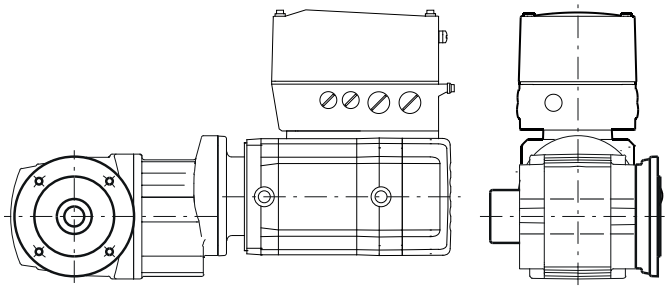
SPIROPLAN® right-angle gearmotor in foot-mounted design with hollow shaft

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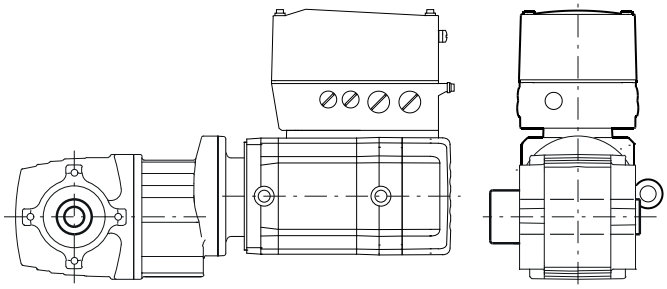
WH..B..CM3C../D..

SPIROPLAN® right-angle gearmotor in foot-mounted design with hollow shaft and shrink disk



WHF..CM3C../D..

SPIROPLAN® right-angle gearmotor in flange-mounted design with hollow shaft and shrink disk



WH..CM3C../D..

SPIROPLAN® right-angle gearmotor with hollow shaft and shrink disk

WT..CM3C../D..

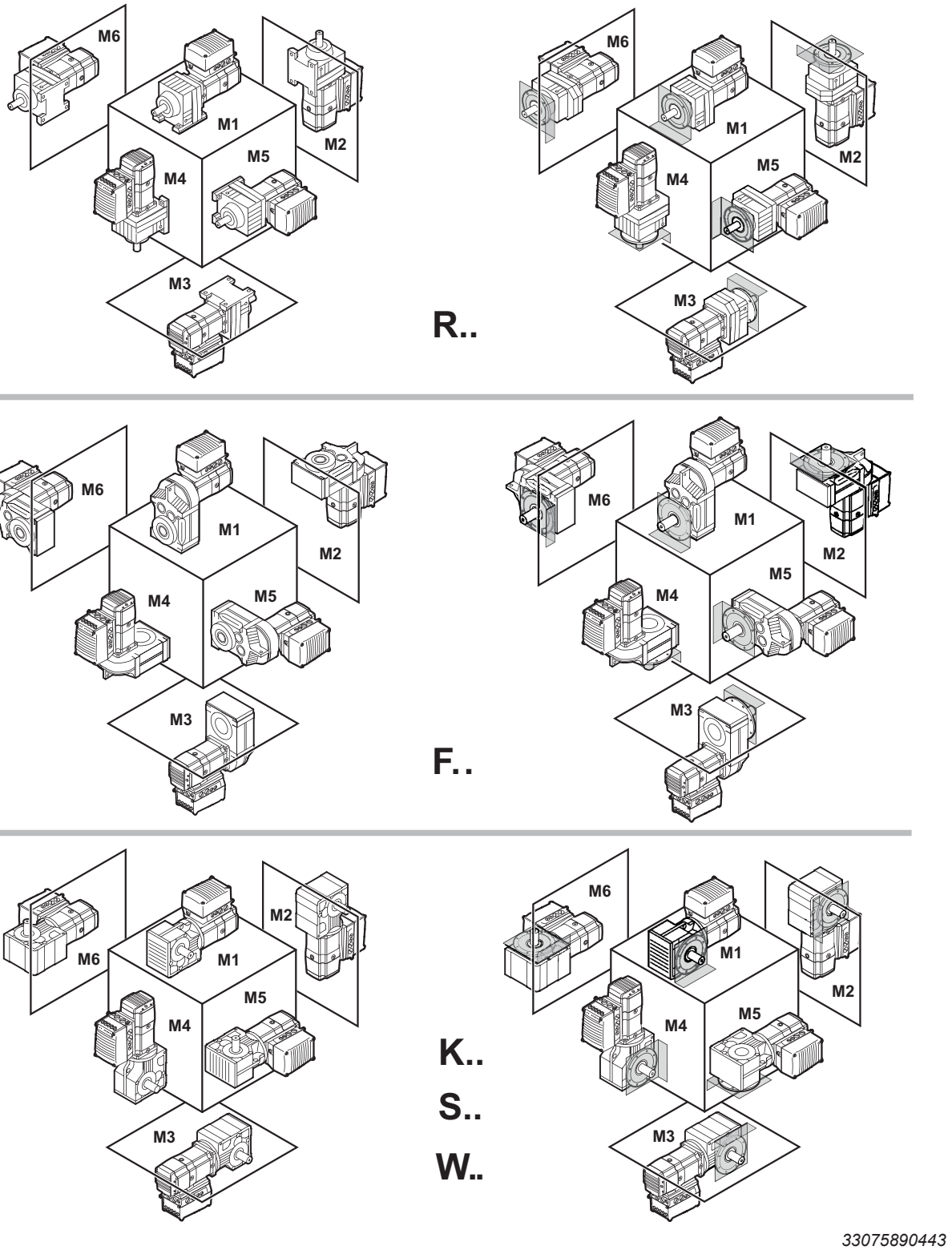
SPIROPLAN® right-angle gearmotor with hollow shaft and TorqLOC®

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3 Mounting positions and important order information

3.1 General mounting position information for R, F, K, S, W gear units

SEW-EURODRIVE distinguishes between the 6 mounting positions M1 to M6 for MOVIMOT® performance gearmotors. The following figure shows the spatial orientation of the gearmotor in mounting positions M1 to M6 and inverter position T/270°:



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3.2 Important order information

INFORMATION

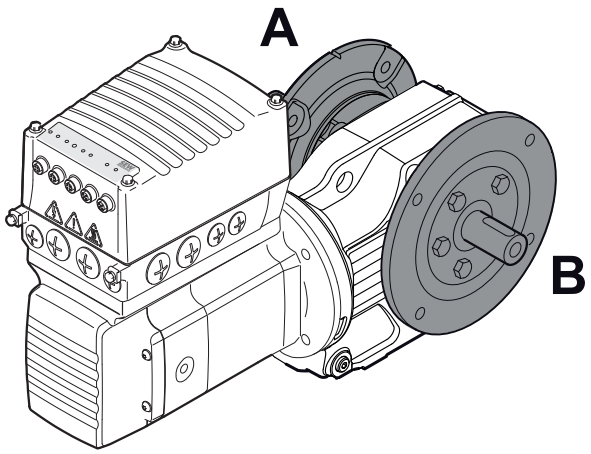
The following order information is required for R, F, and K gearmotors in addition to the mounting position to exactly determine the design of the drive.

This information is also required when ordering Spiroplan® gearmotors (W gearmotors) that do not depend on a particular mounting position.

3.2.1 Position of output shaft and output flange

In right-angle gear units, you also have to indicate the position of the output shaft and the output flange:

- A or B or AB



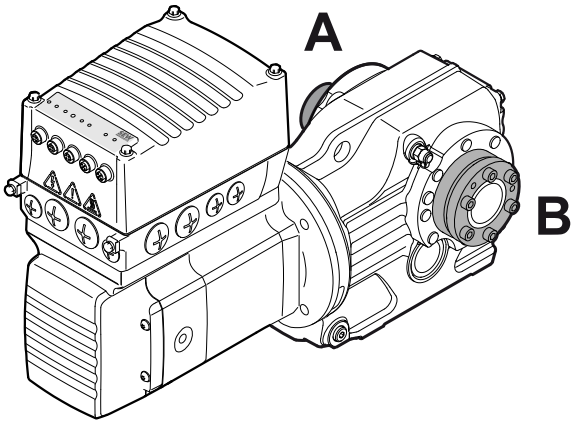
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3.2.2 Position of the output end in right-angle gear units

In shaft-mounted right-angle gear units with a shrink disk, you also have to indicate whether the A- or B-side is the output end. In the figure below, the A-side is the output end. The shrink disk is located opposite the output end.

In shaft-mounted right-angle gear units, the output end is equivalent to the shaft position of right-angle gear units with solid shaft.



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INFORMATION

For permitted mounting surfaces (= hatched area), refer to the mounting position sheets.

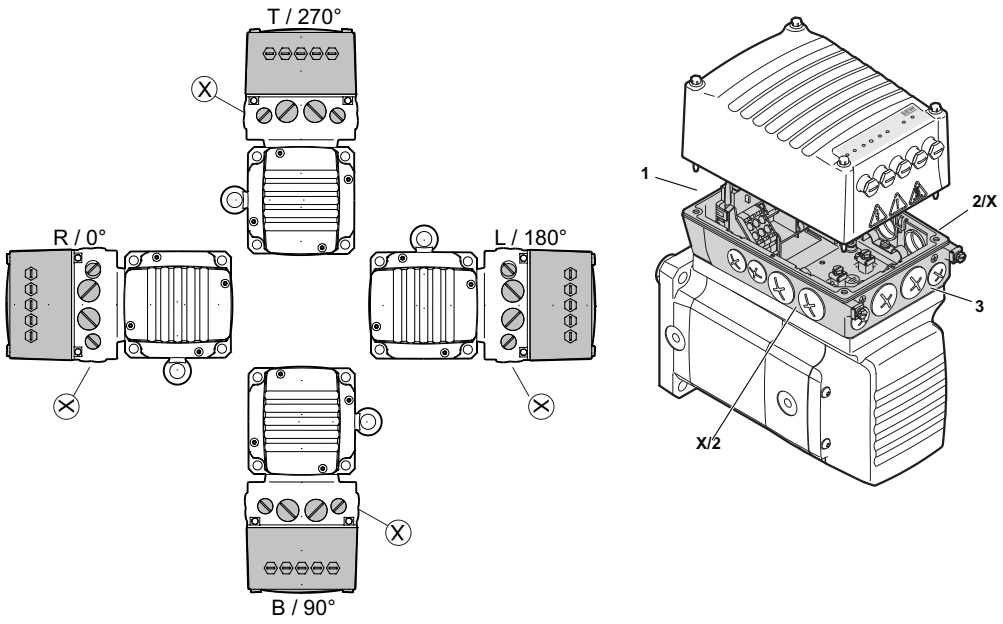
3.2.3 Position of the decentralized inverter and the cable entry

Decentralized inverter

The position of the decentralized inverter (inverter position) has so far been specified with 0°, 90°, 180° or 270° as viewed onto the motor cover = B-side. A change in the product standard EN 60034 specifies that the following designation is used for inverter positions for motors:

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

This new designation applies to motors without gear unit. For gearmotors, the previous designation is maintained. The following figure shows both designations. When the mounting position of the motor changes, R, B, L and T are rotated accordingly. For gearmotors in mounting position M3, the inverter position T/270° is at the bottom.



32997873803

If the decentralized inverter is ordered without special information, the inverter position T/270° is supplied with cable entry on all sides.

INFORMATION

With the inverter in the 90° position, check to see if the gearmotor has to be supported.

Inverter position 90° is not possible with FH/FT gear units.

Cable entry position

The device is equipped with the following cable bushings:

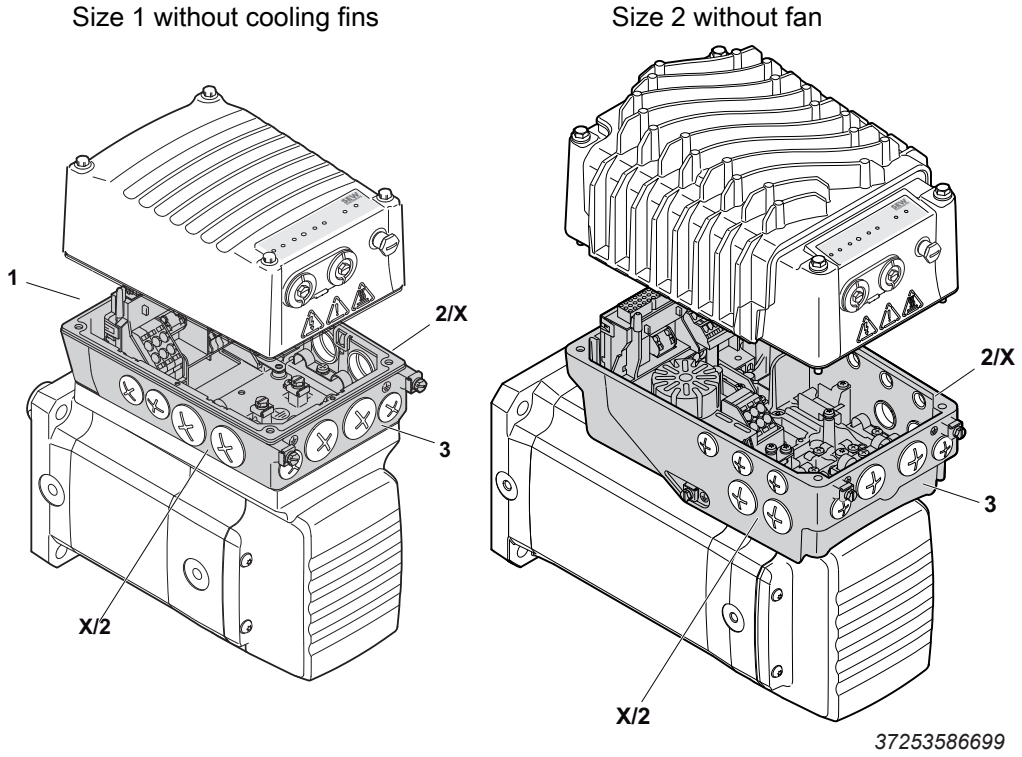
Electronics cover size 1

- Position X, 1, 2, 3
  - X: 2 × M25 × 1.5 + 2 × M16 × 1.5
  - 1: 1 × M16 × 1.5 (only for option /PE)
  - 2: 2 × M25 × 1.5 + 2 × M16 × 1.5
  - 3: 2 × M25 × 1.5 + 2 × M16 × 1.5

Electronics cover size 2

- Position X, 2, 3
  - X: 2 × M25 × 1.5 + 2 × M16 × 1.5 + 1 × M16 × 1.5 (only for option /PE)
  - 2: 2 × M25 × 1.5 + 2 × M16 × 1.5 + 1 × M16 × 1.5 (only for option /PE)
  - 3: 2 × M25 × 1.5 + 2 × M16 × 1.5

The following figure shows the possible cable entries:



The position of the cable bushings depends on the position of the decentralized inverter, see chapter "Decentralized inverter" (→ 🗎 51).

3.2.4 Software support

The position of the decentralized inverter [0°(R), 90°(B), 180°(L), 270°(T)] cannot be selected as required in all cases.

You can use the DriveCAD software in DriveGate® on the SEW-EURODRIVE website to check the possible positions of your drive.

- For registered DriveGate® users: https://portal.drivegate.biz/drivecad
- For new users: www.sew-eurodrive.com → DriveGate® login

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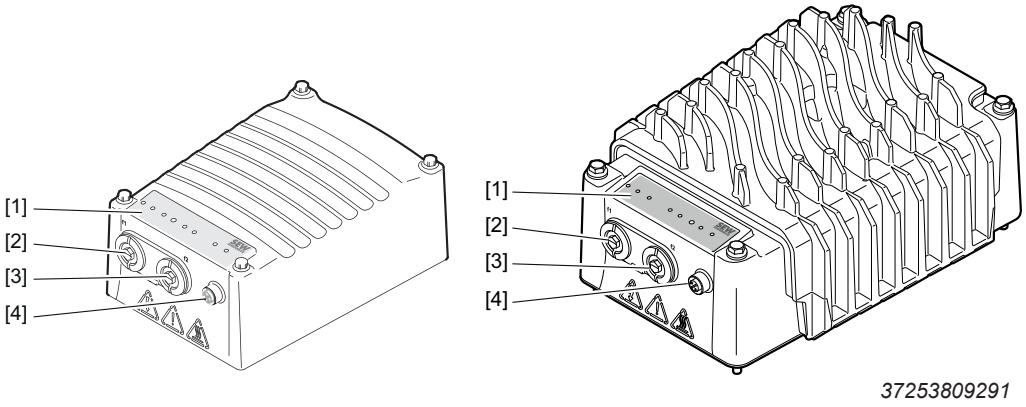
3.2.5 Communication versions

The following communication versions are available for MOVIMOT® performance drive units:

- DBC = **D**irect **B**inary **C**ommunication
- DAC = **D**irect **A**S-Interface **C**ommunication
- DFC = **D**irect **F**ieldbus **C**ommunication
- DSI = **D**irect **S**ystem bus **I**nstallation

Electronics cover DBC, DAC

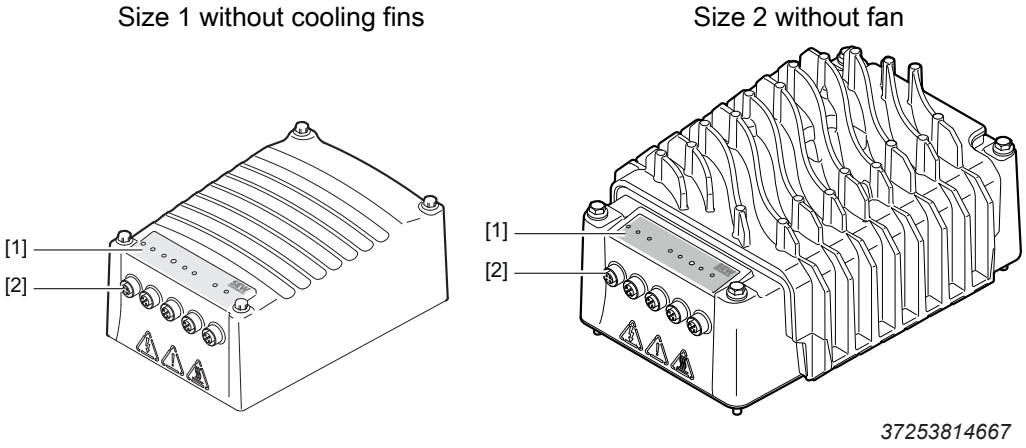
The following figure shows an example of an electronics cover in the DBC.. or DAC.. version:



[1] LED displays
[2] Potentiometer f1 (underneath the screw plug)
[3] Potentiometer f2 (underneath the screw plug)
[4] Plug connector

Electronics cover DFC, DSI

The following figure shows an example of an electronics cover in the DFC.. or DSI.. version:



[1] LED displays
[2] Plug connector

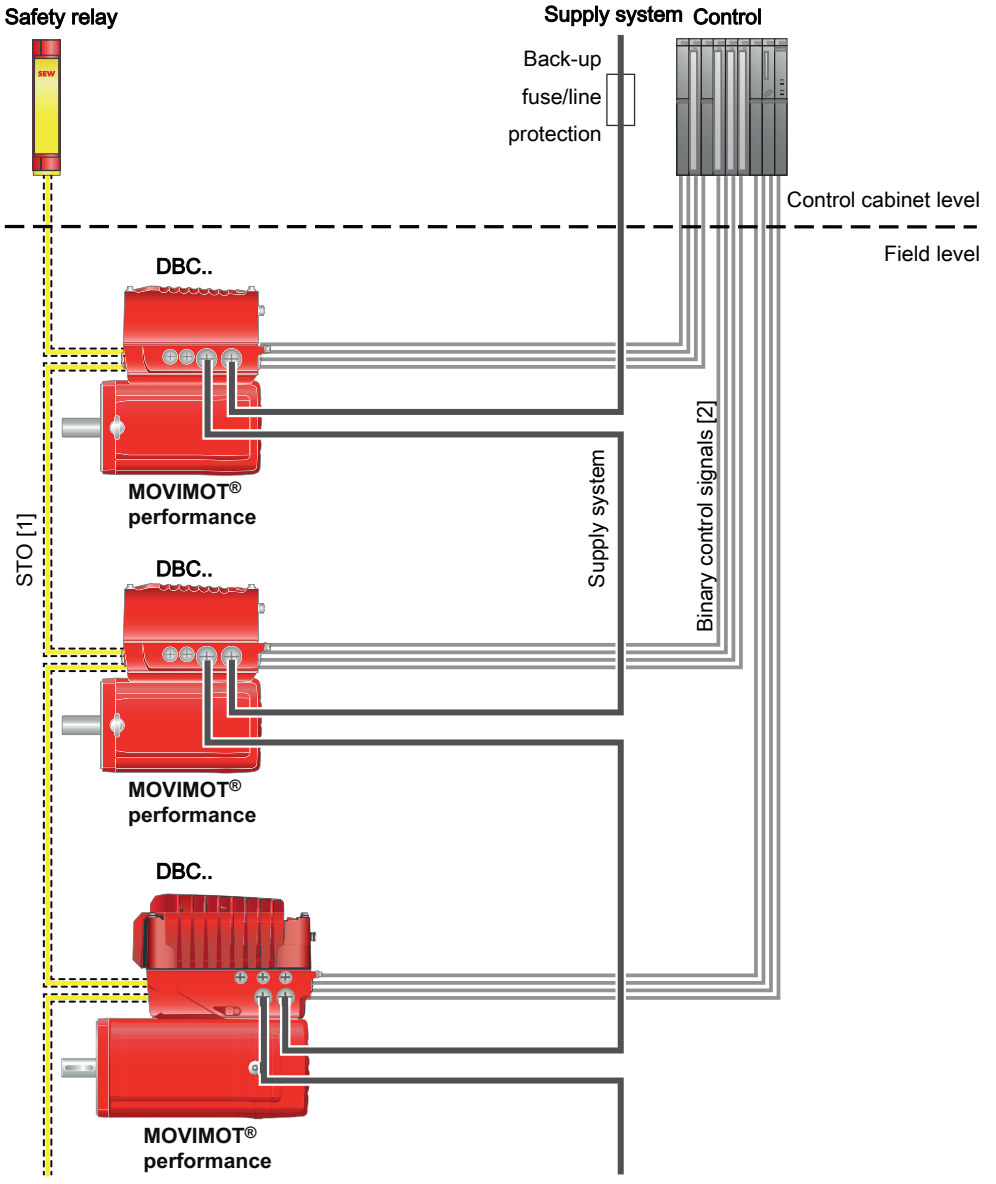
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3.2.6 Installation topologies

MOVIMOT® performance DBC

Installation topology (example: standard installation)

The following figure shows the basic installation topology with MOVIMOT® performance:



9007231472555787

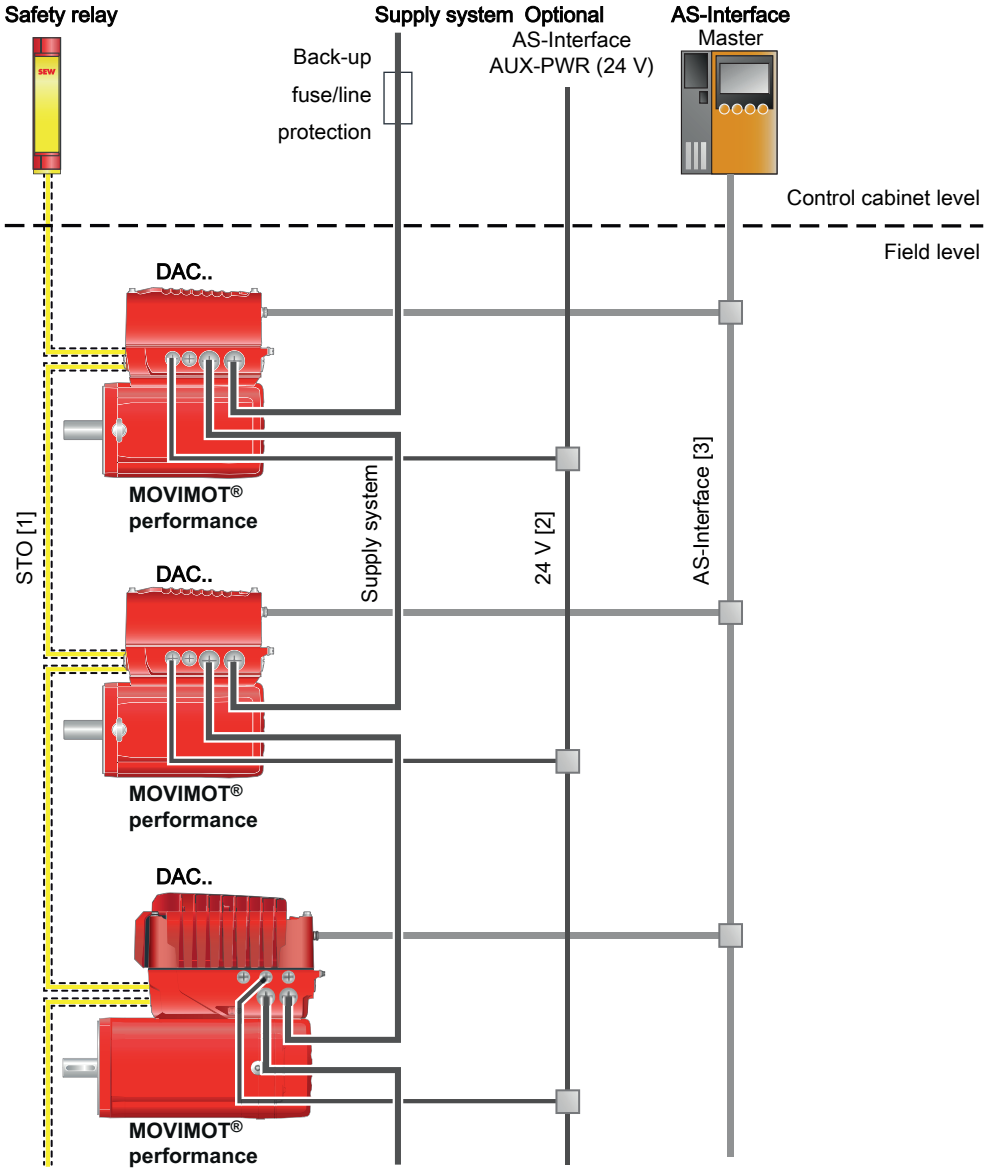
[1] The maximum permitted length of the STO cable between the safety relay and the last drive unit is 100 m.

[2] Control using up to 4 binary signals and 1 analog signal.

MOVIMOT® performance DAC

Installation topology (example: standard installation)

The following figure shows the basic installation topology with MOVIMOT® performance:



9007231471988747

[1] The maximum permitted length of the STO cable between the safety relay and the last drive unit is 100 m.

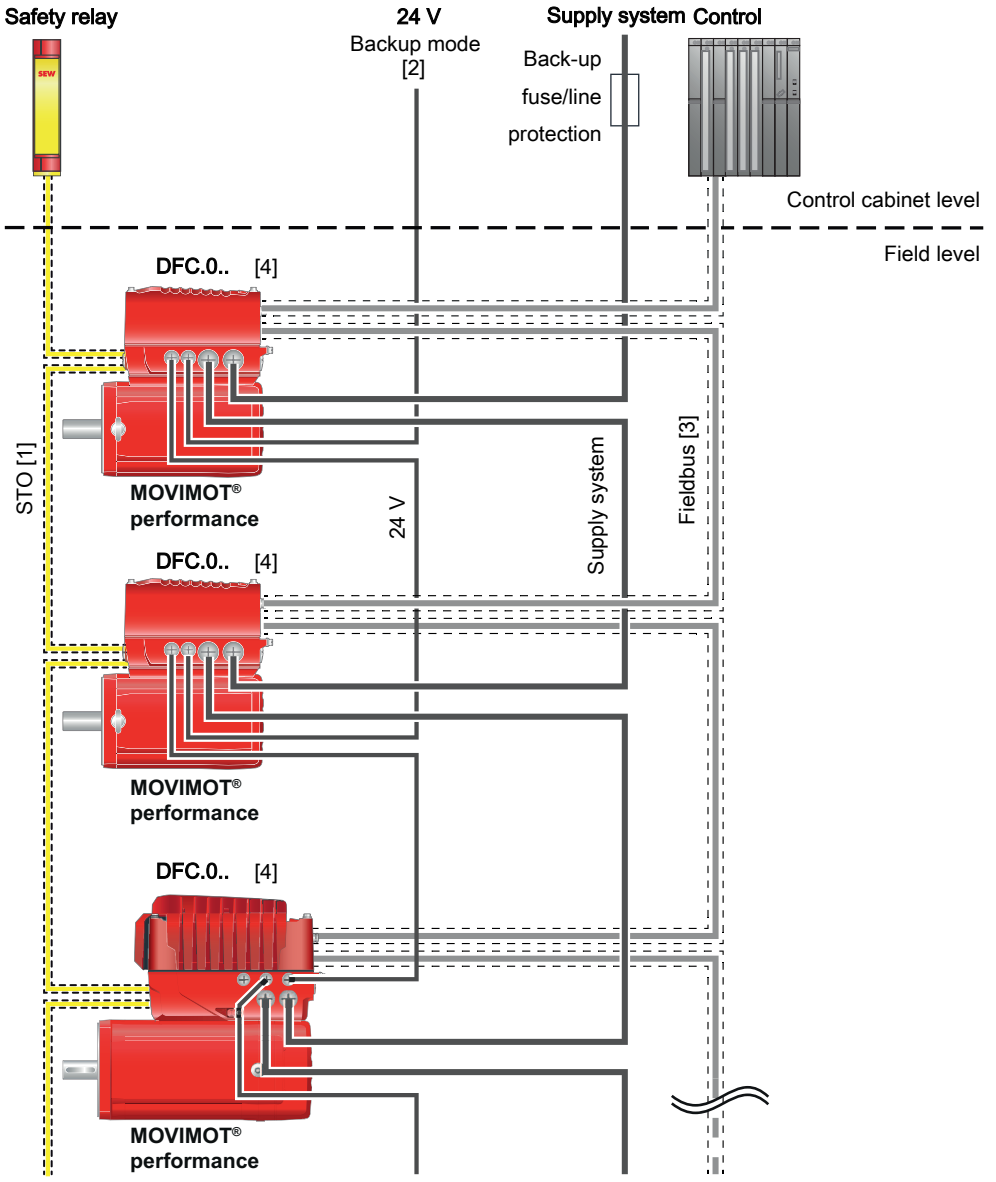
[2] The drive unit is equipped with an integrated DC 24 V supply. As an option, the electronics of the drive unit may be supported by an external DC 24 V supply (AUX-PWR).

[3] AS-Interface communication cable

MOVIMOT® performance DFC

Installation topology (example: standard installation)

The following figure shows the basic installation topology with MOVIMOT® performance:



18014427672134155

[1] The maximum permitted length of the STO cable between the safety relay and the last drive unit is 100 m.

[2] The drive unit is equipped with an integrated DC 24 V supply. As an option, the electronics of the drive unit may be supported by an external DC 24 V supply.

[3] The maximum permitted cable length of the Ethernet fieldbus cable between the drive units is 100 m. The maximum permitted cable length between controller and drive unit is 100 m. The permitted length might be less due to the technical data of the controller.

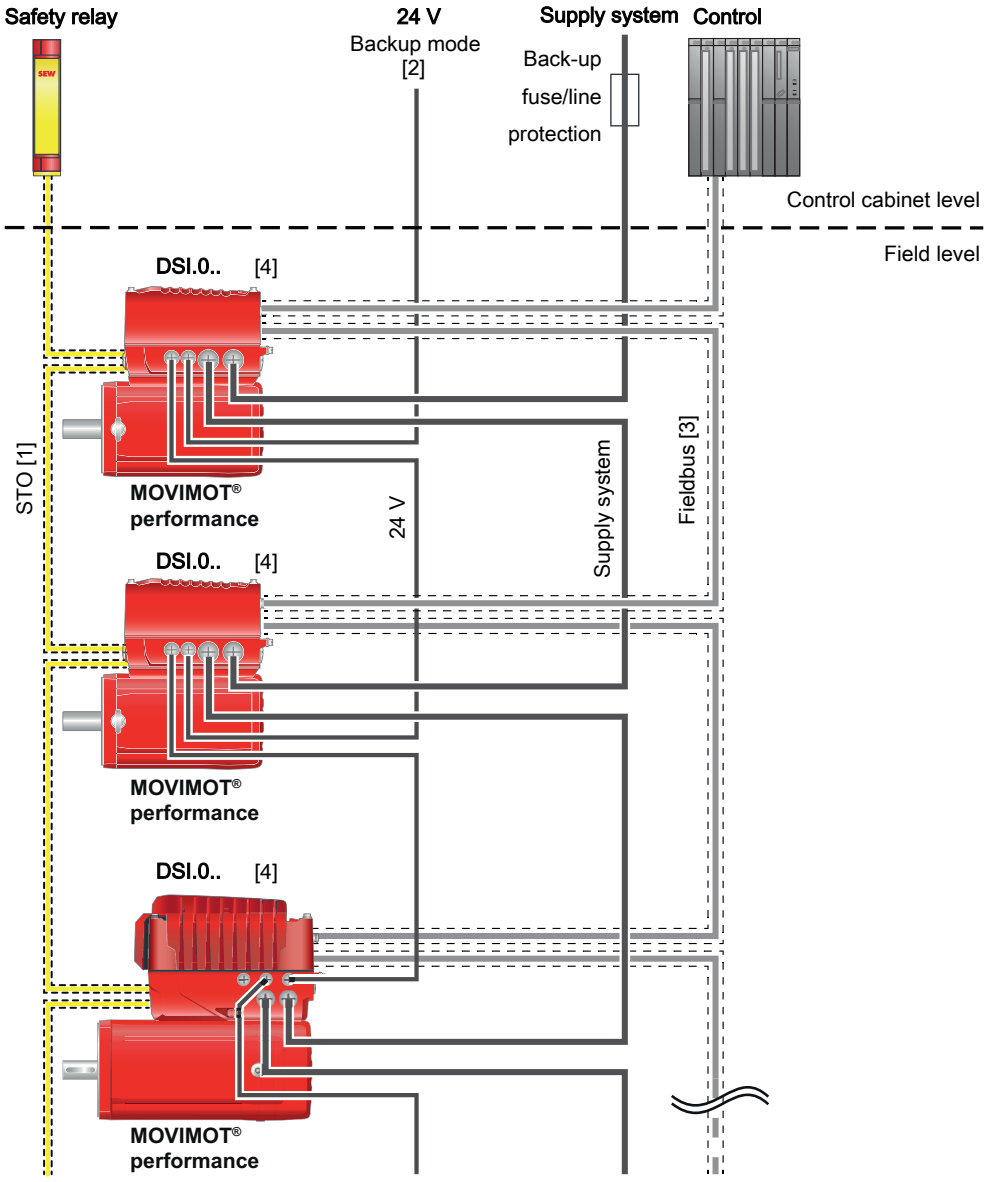
[4] Electronics cover DFC.0.. with 2 x M12 fieldbus connection

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MOVIMOT® performance DSI

Installation topology (example: standard installation)

The following figure shows the basic installation topology with MOVIMOT® performance:



9007231472941067

[1] The maximum permitted length of the STO cable between the safety relay and the last drive unit is 100 m.

[2] The drive unit is equipped with an integrated DC 24 V supply. As an option, the electronics of the drive unit may be supported by an external DC 24 V supply.

[3] The maximum permitted cable length of the Ethernet fieldbus cable between the drive units is 100 m. The maximum permitted cable length between controller and drive unit is 100 m. The permitted length might be less due to the technical data of the controller.

[4] Electronics cover DSI.0.. with 2 x M12 fieldbus connection

3.2.7 Plug connectors

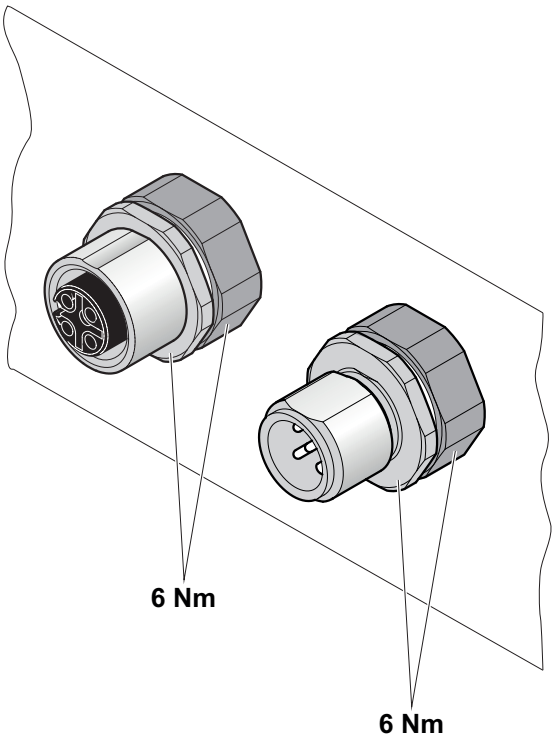
The MOVIMOT® performance drive unit is only delivered with plug connector if the option /IV has been selected when ordering the drive unit, see chapter "Type designations and designs".

Connector variants

M12 connector at the connection box

M12 connectors at the connection box are pre-installed at delivery so they match the connection cables provided by SEW-EURODRIVE. Customers can adjust the alignment of connectors if required.

The following figure shows a schematic illustration with the permitted tightening torque:

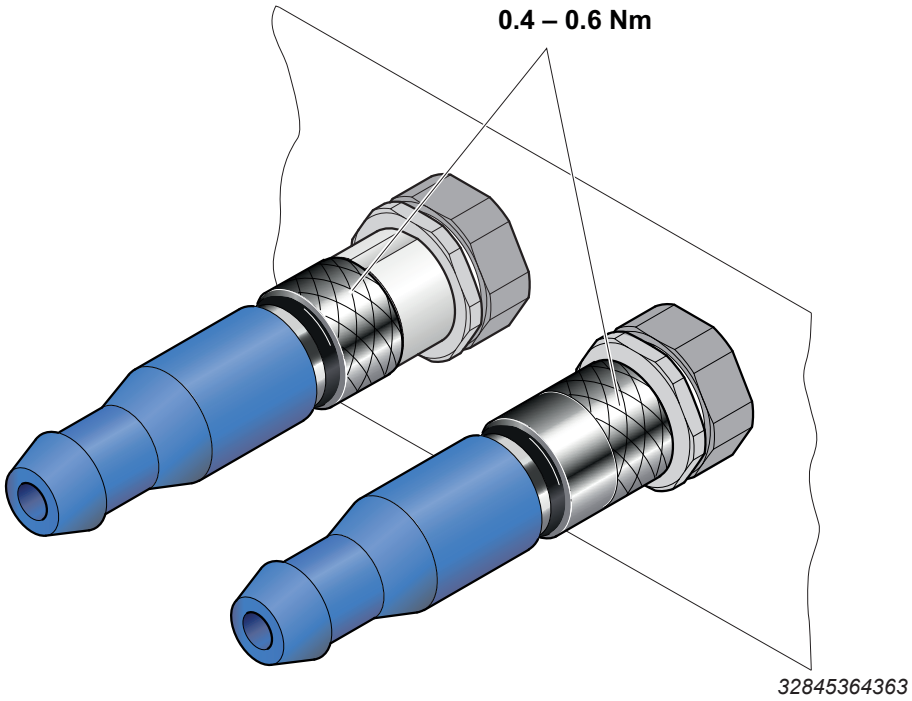


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M12 connector with mating connector at connection box or electronics cover

The following figure shows a schematic illustration with the permitted tightening torques:



INFORMATION

The M12 connectors are usually tightened with a torque of 0.4 – 0.6 Nm. Observe the data sheet of the used prefabricated cables.

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M23 connector

The M23 connectors are available in the following variants:

- [1] "Straight" connector
- [2] "Angled" connector

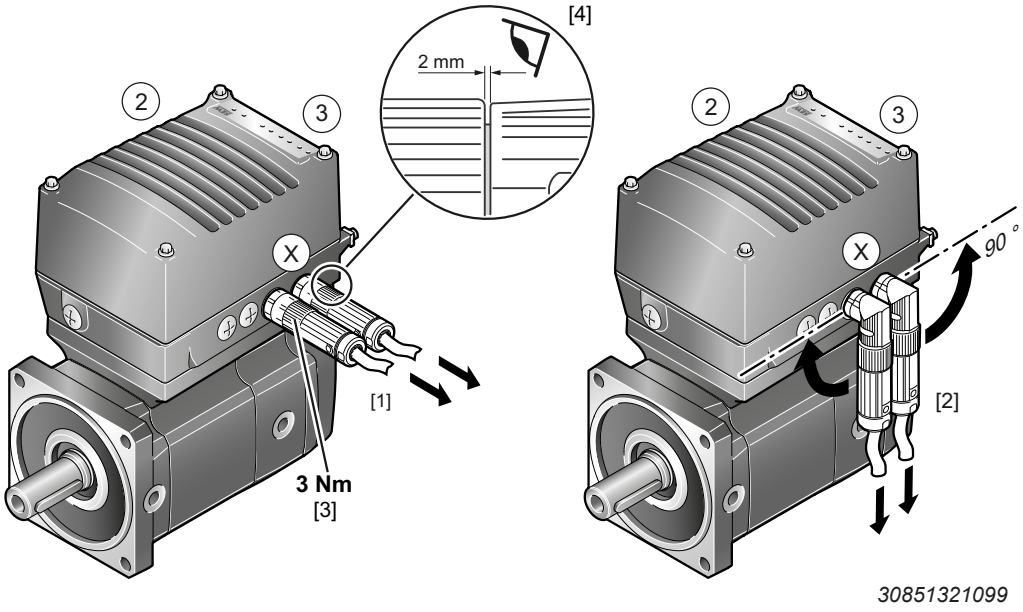
After plugging in the mating connector, you can align the angled connector without the need for additional tools.

Observe the following notes:

- Adjust the connector only when installing and connecting the drive unit.
- Do not use pliers to adjust the right-angle connector.
- Turn the right-angle connector only with plugged-in mating connector.
- The gap between the connector and the socket is approx. 2 mm.
- Tighten the union nut of the M23 connector to 3 Nm.
- Make sure that the connector does not move permanently.

Examples of MOVIMOT® performance

The following figure shows the installation of the straight and angled M23 connector:



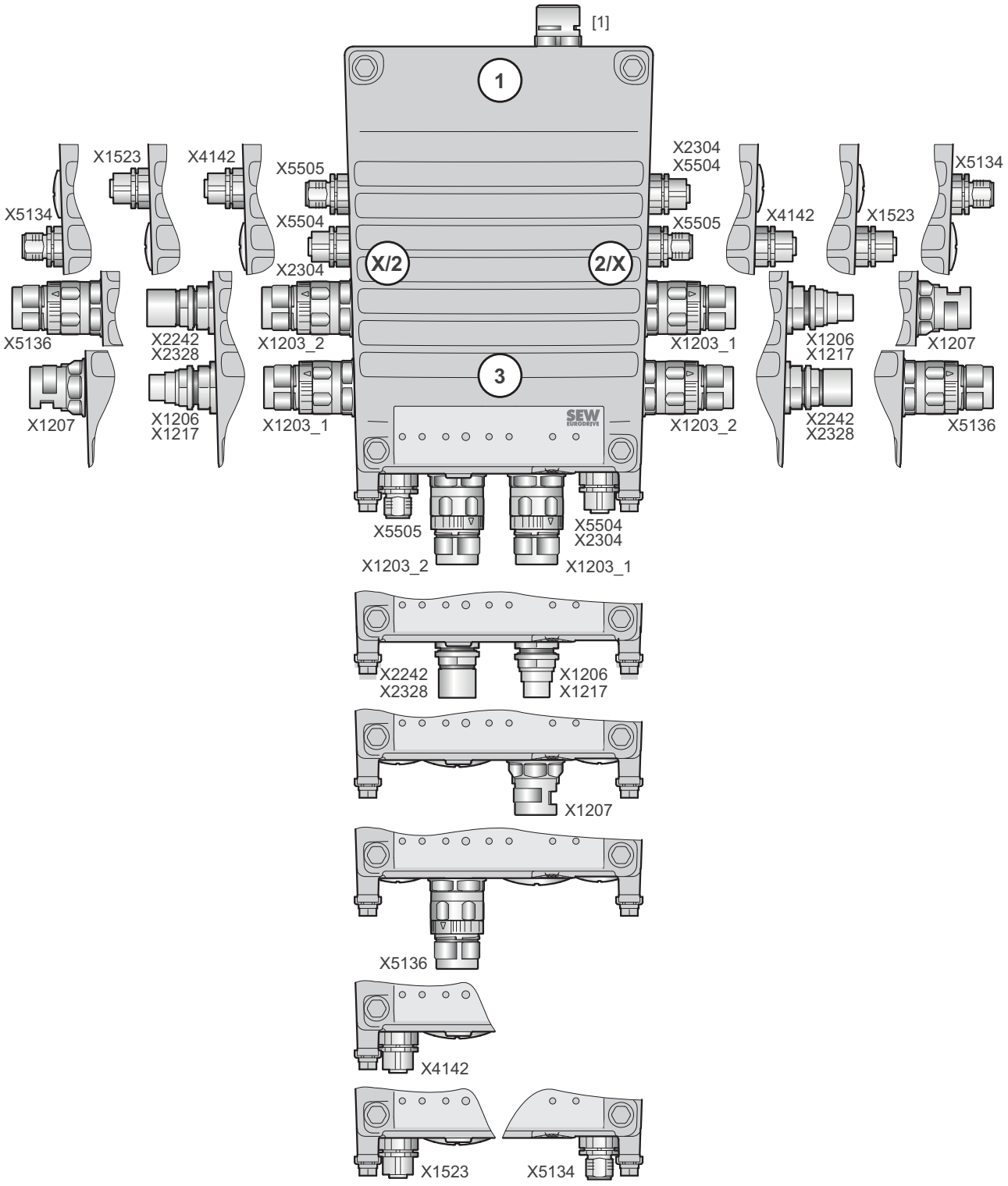
[1] "Straight" design
[2] "Right-angle" design
[3] Tightening torque of the union nut 3 Nm
You can order suitable tools from TE Connectivity – Intercontec products:
- Torque wrench 3 Nm, 1/4" external square: C1.020.00
- Spanner wrench 1/4" square socket, suitable for the 923/723 series with SpeedTec equipment: C6.215.00

[4] Gap of approx. 2 mm between connector and socket

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MOVIMOT® performance DBC drive unit size 1 connector positions

The following figure shows possible connector positions:



27021630576738443

The position of the cable bushings depends on the position of the decentralized inverter.

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1203_1	Black	"AC 400 V connection"[1)]	X, 2 or 3	• X1206 • X1207 • X1217
X1203_2	Black	"AC 400 V connection"	X, 2 or 3	• X2242 • X2328 • X5136
X1206	–	"AC 400 V connection (IN)"[2)]	X, 2 or 3	• X1203_1 • X1207 • X1217
X2242	–	"AC 400 V connection (OUT)"	X, 2 or 3	• X1203_2 • X2328 • X5136
X1207	Black	"AC 400 V connection"	X, 2 or 3	• X1203_1 • X1206 • X1217
X1217	–	"PA hybrid connection (IN)"[3)] AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1206 • X1207
X2328	–	"Hybrid connection PA (OUT)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_2 • X2242 • X5136
X5504	Yellow	"STO"[4)] (3-wire connection)	X, 2 or 3	• X2304 • X5134
X5505	Yellow	"STO" (3-wire connection)	X, 2 or 3	• X1523 • X4142
X2304	–	"Connection of external braking resistor"	X, 2 or 3	• X5504 • X5134
X5134	–	"Digital inputs, relay output"	X, 2 or 3	• X5504 • X2304
X5136	–	"Digital inputs/outputs"	X, 2 or 3	• X1203_2 • X2242 • X2328
X1523	Light gray	"DC 24 V backup voltage – input"	X, 2 or 3	• X5505 • X4142
X4142	Red	"Engineering interface"	X, 2 or 3	• X5505 • X1523

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Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
–	–	[1] Optional pressure compensation	1	–

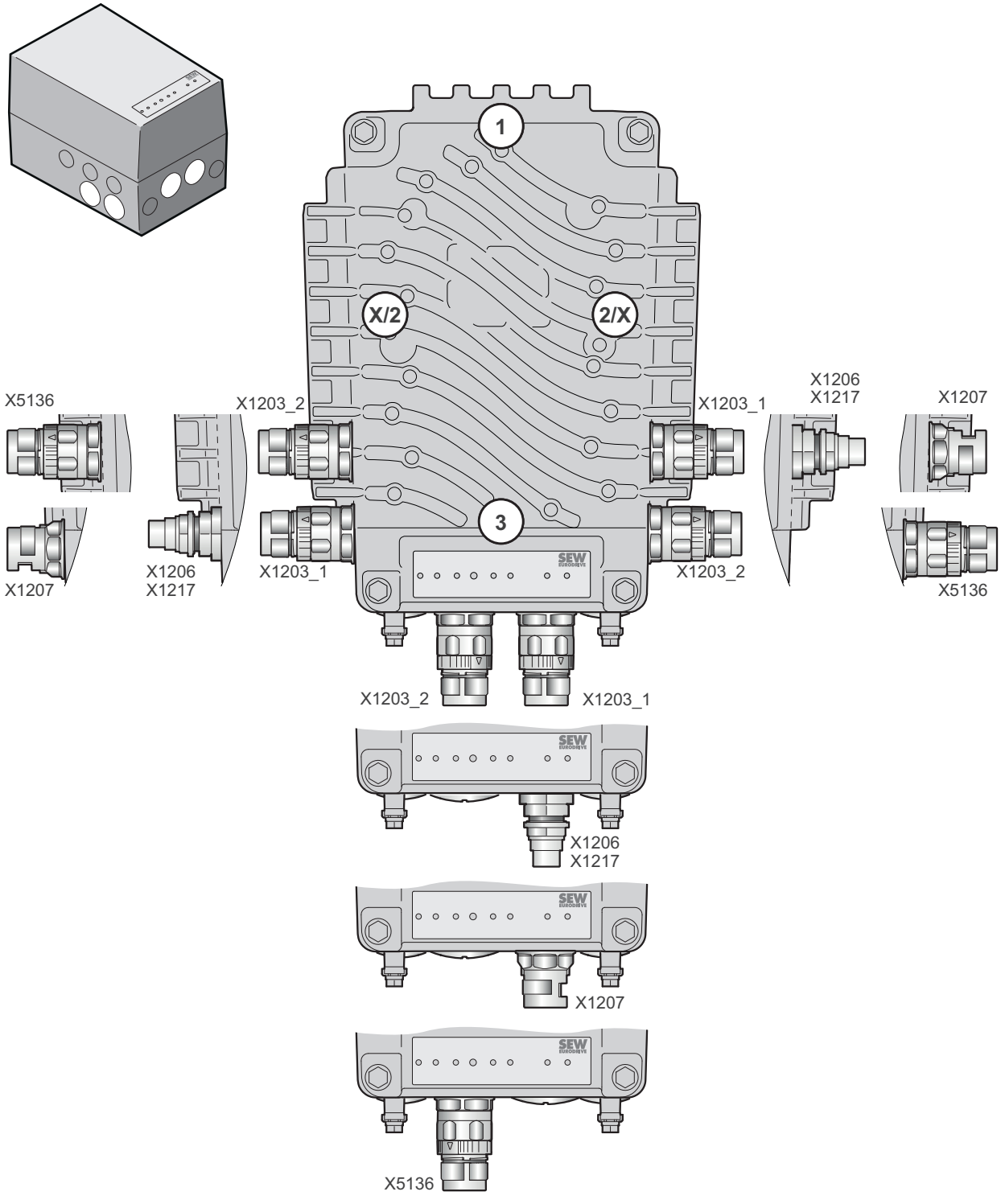
1) Connector X1203_1 can also be ordered separately (i.e. without connector X1203_2).
2) Connector X1206 can also be ordered separately (i.e. without connector X2242).
3) Connector X1217 can also be ordered separately (i.e. without connector X2328).
4) Connectors X5504 and X5505 can only be ordered together.

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MOVIMOT® performance DBC drive unit size 2 connector positions

Cable entry M25

The following figure shows possible connector positions:



36696089355

The position of the cable bushings depends on the position of the decentralized inverter.

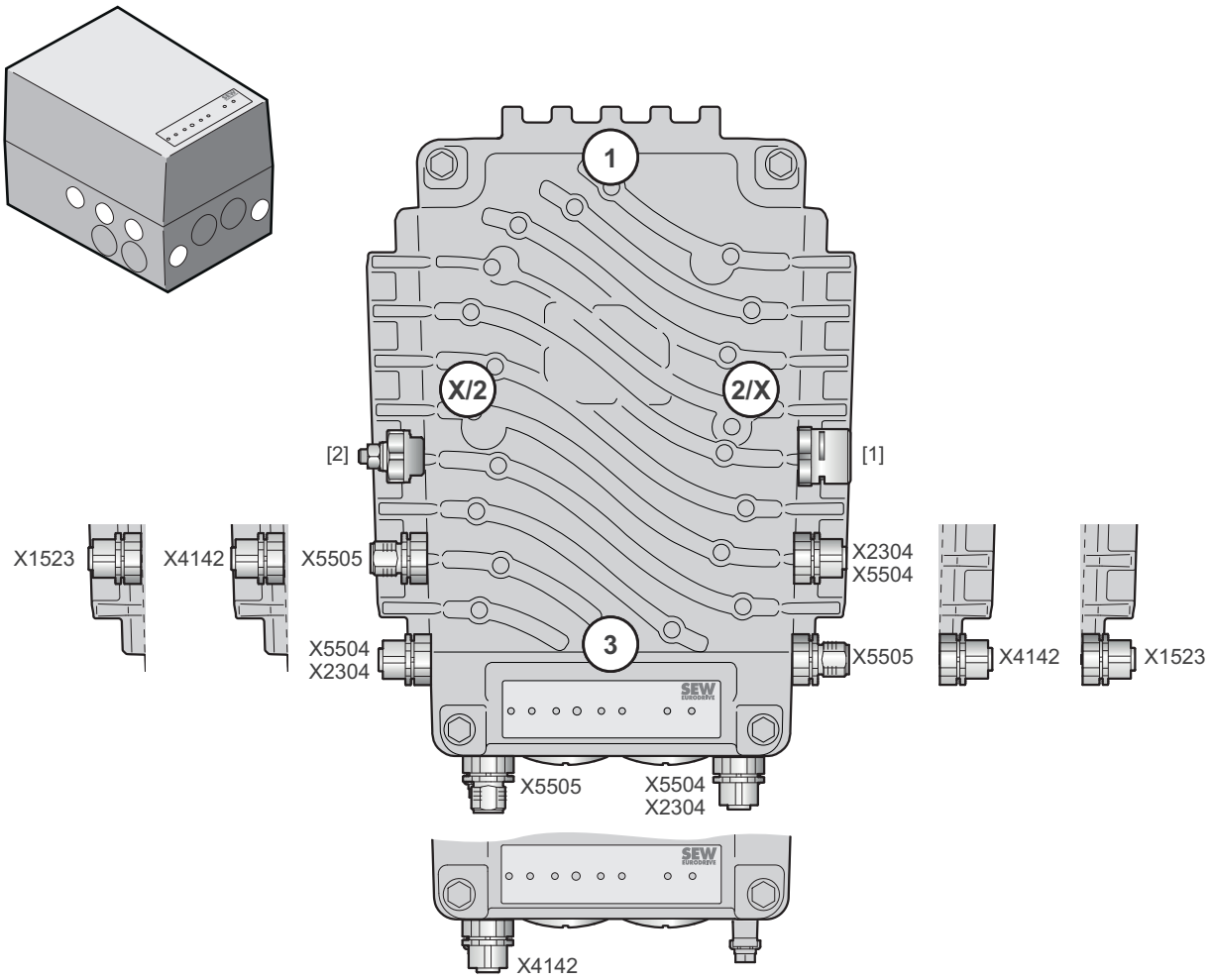
Connector				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1203_1	Black	"AC 400 V connection"[1)]	X, 2 or 3	• X1206 • X1207 • X1217
X1203_2	Black	"AC 400 V connection"	X, 2 or 3	• X5136
X1206	–	"AC 400 V connection (IN)"	X, 2 or 3	• X1203_1 • X1207 • X1217
X1207	Black	"AC 400 V connection"	X, 2 or 3	• X1203_1 • X1206 • X1217
X1217	–	"Hybrid connection PA (IN)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1206 • X1207
X5136	–	"Digital inputs/outputs"	X, 2 or 3	• X1203_2

1) Cconnector X1203_1 can also be ordered separately (i.e. without connector X1203_2).

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Cable entry M16

The following figure shows possible connector positions:



9007235950861707

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X5504	Yellow	"STO"[1)] (3-wire connection)	X, 2 or 3	• X2304
X5505	Yellow	"STO" (3-wire connection)	X, 2 or 3	• X4142 • X1523
X2304	–	"Connection of external braking resistor"	X, 2 or 3	• X5504
X1523	Light gray	"DC 24 V backup voltage - input"	X, 2 or 3	• X5505 • X4142
X4142	Red	"Engineering interface"	X, 2 or 3	• X5505 • X1523
–	–	[1] Optional pressure compensation	X or 2	• Optional connection for equipotential bonding

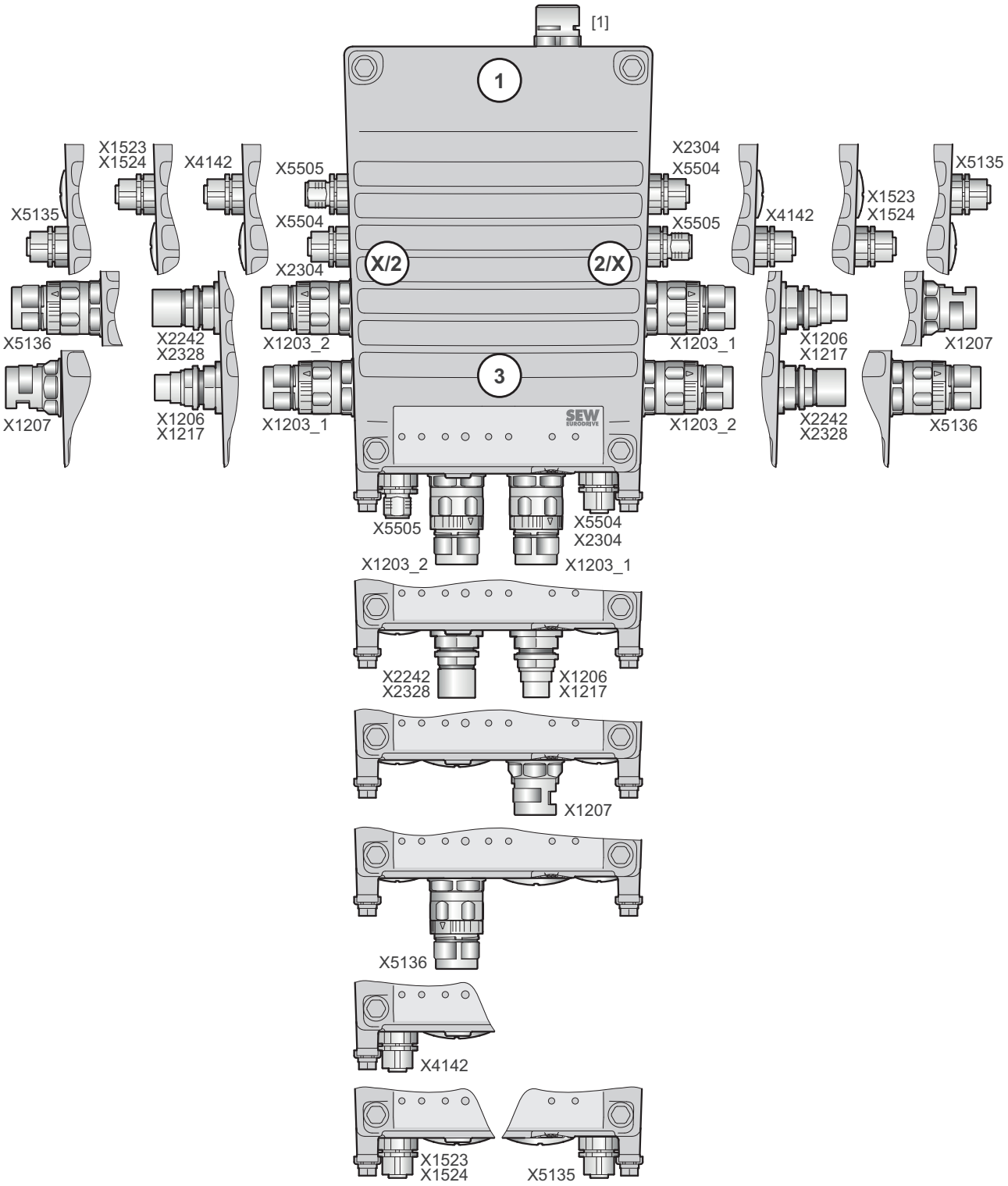
31546617/EN – 04/2026

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
–	–	[2] Optional connection for equipotential bonding	X or 2	• Optional pressure compensation

1) Connectors X5504 and X5505 can only be ordered together.

MOVIMOT® performance DAC drive unit size 1 connector positions

The following figure shows possible connector positions:



27021630576736011

The position of the cable bushings depends on the position of the decentralized inverter.

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Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1203_1	Black	"AC 400 V connection"[1)]	X, 2 or 3	• X1206 • X1207 • X1217
X1203_2	Black	"AC 400 V connection"	X, 2 or 3	• X2242 • X2328 • X5136
X1206	–	"AC 400 V connection (IN)"[2)]	X, 2 or 3	• X1203_1 • X1207 • X1217
X2242	–	"AC 400 V connection (OUT)"	X, 2 or 3	• X1203_2 • X2328 • X5136
X1207	Black	"AC 400 V connection"	X, 2 or 3	• X1203_1 • X1206 • X1217
X1217	–	"PA hybrid connection (IN)"[3)] AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1206 • X1207
X2328	–	"Hybrid connection PA (OUT)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_2 • X2242 • X5136
X5504	Yellow	"STO"[4)] (3-wire connection)	X, 2 or 3	• X2304 • X5135
X5505	Yellow	"STO" (3-wire connection)	X, 2 or 3	• X1523 • X1524 • X4142
X2304	–	"Connection of external braking resistor"	X, 2 or 3	• X5504 • X5135
X5136	–	"Digital inputs/outputs"	X, 2 or 3	• X1203_2 • X2242 • X2328
X5135	–	"Digital inputs/outputs"	X, 2 or 3	• X5504 • X2304
X1523	Light gray	"DC 24 V backup voltage – input"	X, 2 or 3	• X5505 • X1524 • X4142
X1524	Black	"DC 24 V backup voltage – input" (AUX-PWR)	X, 2 or 3	• X5505 • X1523 • X4142

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Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X4142	Red	"Engineering interface"	X, 2 or 3	• X5505 • X1523 • X1524
–	–	[1] Optional pressure compensation	1	–

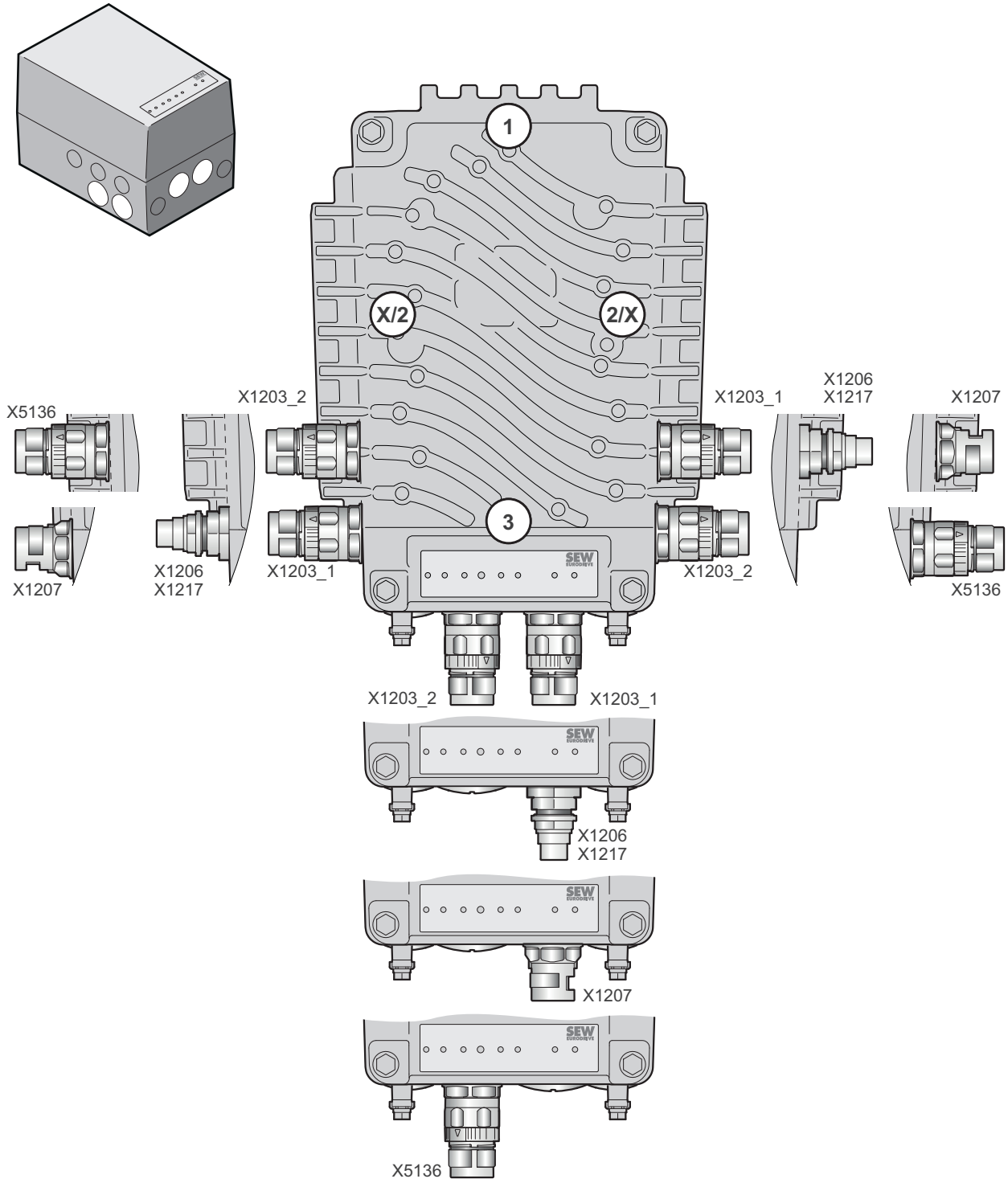
1) Connector X1203_1 can also be ordered separately (i.e. without connector X1203_2).
2) Connector X1206 can also be ordered separately (i.e. without connector X2242).
3) Connector X1217 can also be ordered separately (i.e. without connector X2328).
4) Connectors X5504 and X5505 can only be ordered together.

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MOVIMOT® performance DAC drive unit size 2 connector positions

Cable bushing M25

The following figure shows possible connector positions:



36697561099

The position of the cable bushings depends on the position of the decentralized inverter.

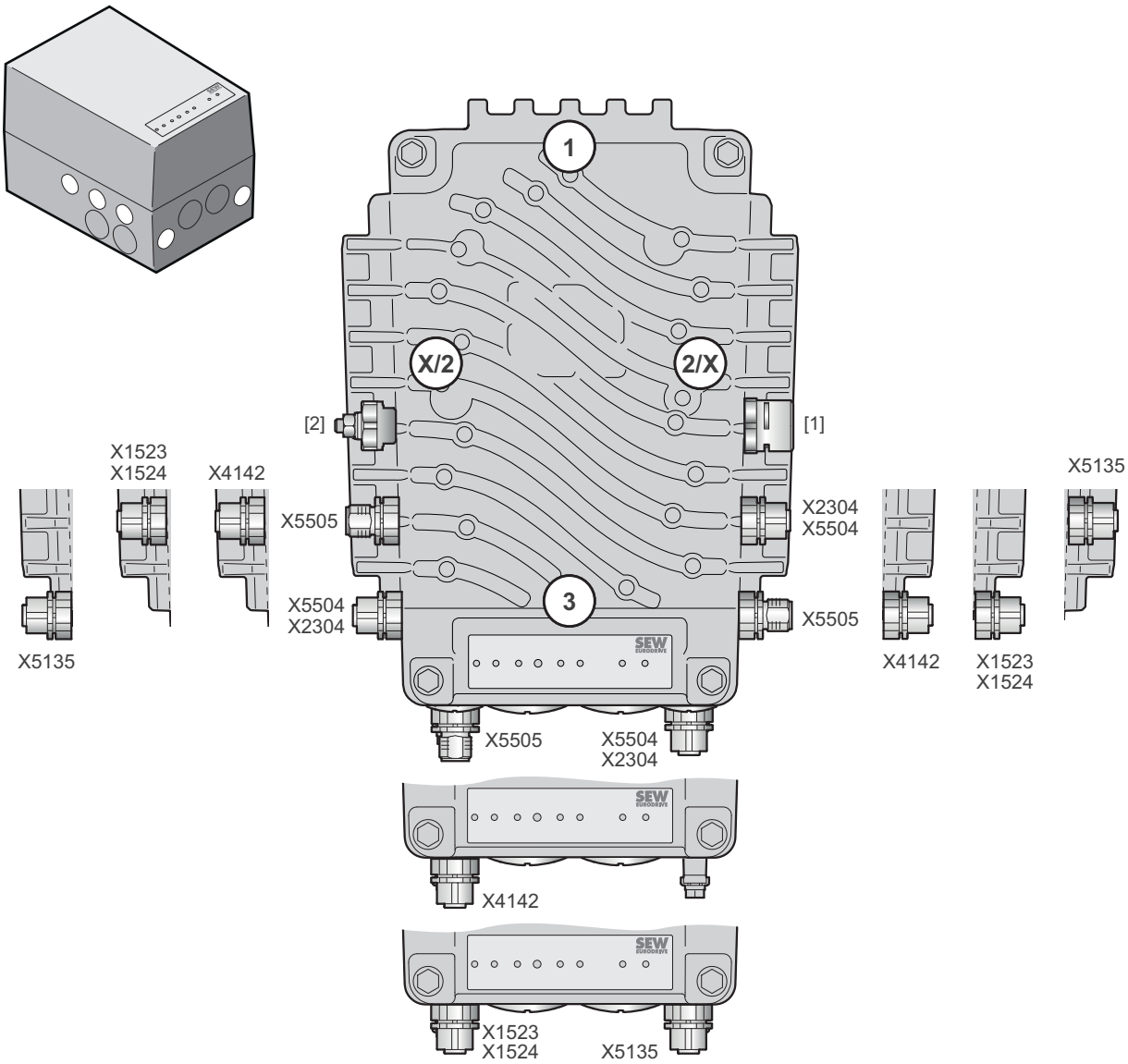
Connector				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1203_1	Black	"AC 400 V connection"[1)]	X, 2 or 3	• X1206 • X1207 • X1217
X1203_2	Black	"AC 400 V connection"	X, 2 or 3	• X5136
X1206	–	"AC 400 V connection (IN)"	X, 2 or 3	• X1203_1 • X1207 • X1217
X1207	Black	"AC 400 V connection"	X, 2 or 3	• X1203_1 • X1206 • X1217
X1217	–	"Hybrid connection PA (IN)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1206 • X1207
X5136	–	"Digital inputs/outputs"	X, 2 or 3	• X1203_2

1) Connector X1203_1 can also be ordered separately (i.e. without connector X1203_2).

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Cable bushing M16

The following figure shows possible connector positions:



9007235954791947

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X5504	Yellow	"STO"[1)] (3-wire connection)	X, 2 or 3	• X2304 • X5135
X5505	Yellow	"STO" (3-wire connection)	X, 2 or 3	• X4142 • X1523 • X1524
X2304	–	"Connection of external braking resistor"	X, 2 or 3	• X5504 • X5135
X5135	–	"Digital inputs/outputs"	X, 2 or 3	• X5504 • X2304

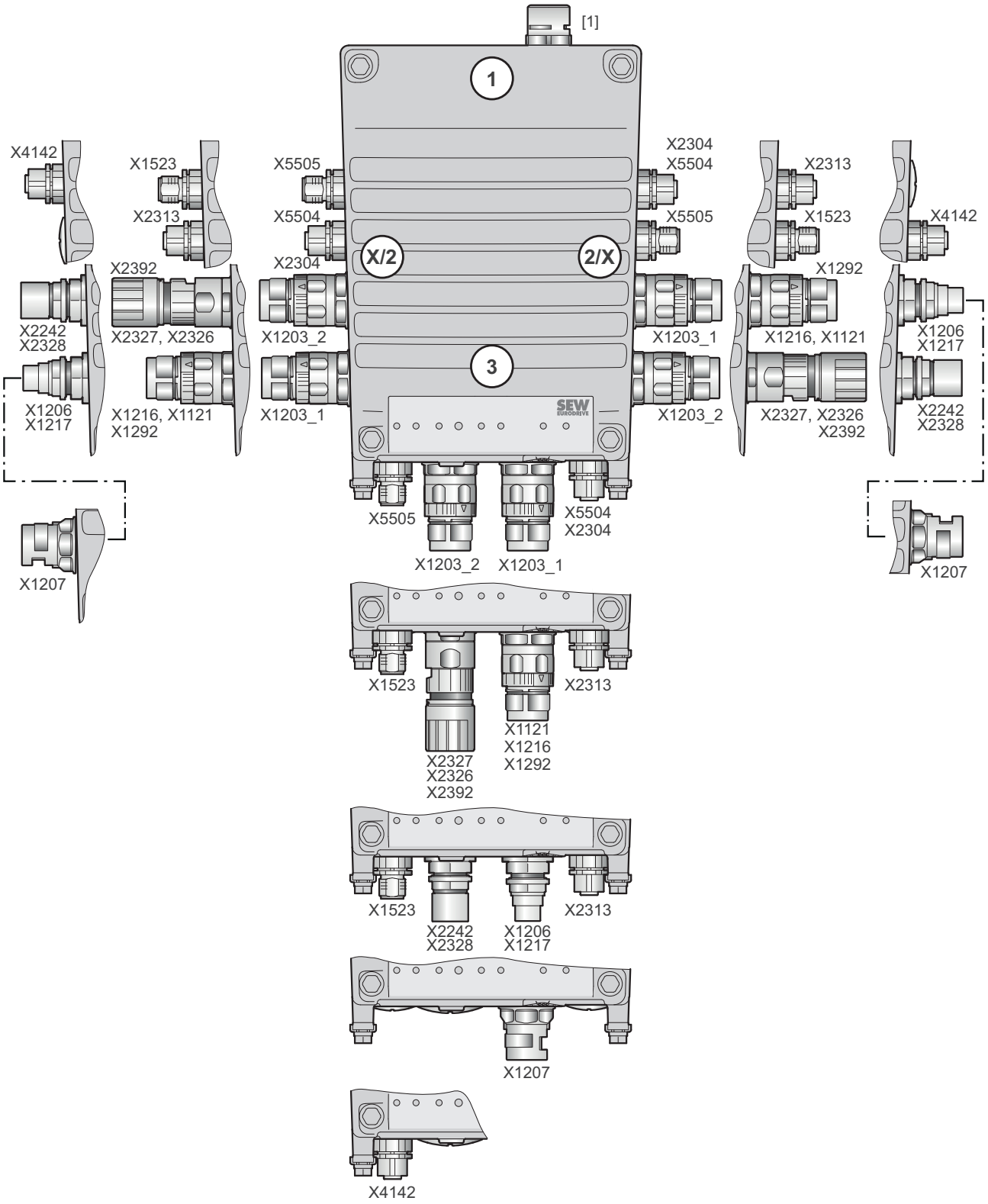
Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1523	Light gray	"DC 24 V backup voltage – input"	X, 2 or 3	• X5505 • X4142 • X1524
X1524	Black	"DC 24 V backup voltage" (AUX-PWR)	X, 2 or 3	• X5505 • X4142 • X1523
X4142	Red	"Engineering interface"	X, 2 or 3	• X5505 • X1523 • X1524
–	–	[1] Optional pressure compensation	X or 2	• Optional connection for equipotential bonding
–	–	[2] Optional connection for equipotential bonding	X or 2	• Optional pressure compensation

1) Connectors X5504 and X5505 can only be ordered together.

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MOVIMOT® performance DFC, DSI drive unit size 1 connector positions

The following figure shows possible connector positions:



27021630576740875

The position of the cable bushings depends on the position of the decentralized inverter.

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1203_1	Black	"AC 400 V connection"[1)]	X, 2 or 3	• X1121 • X1206 • X1207 • X1216 • X1217 • X1292
X1203_2	Black	"AC 400 V connection"	X, 2 or 3	• X2242 • X2326 • X2327 • X2328 • X2392
X1206	–	"AC 400 V connection (IN)"[2)]	X, 2 or 3	• X1203_1 • X1121 • X1207 • X1216 • X1217 • X1292
X2242	–	"AC 400 V connection (OUT)"	X, 2 or 3	• X1203_2 • X2326 • X2327 • X2328 • X2392
X1207	Black	"AC 400 V connection"	X, 2 or 3	• X1203_1 • X1121 • X1206 • X1216 • X1217 • X1292
X1216	Black/green	"PA hybrid connection (IN)"[3)] AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1121 • X1206 • X1207 • X1217 • X1292
X2327	Black/green	"Hybrid connection PA (OUT)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_2 • X2242 • X2326 • X2328 • X2392

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Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1217	–	"PA hybrid connection (IN)"[4)] AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1121 • X1206 • X1207 • X1216 • X1292
X2328	–	"Hybrid connection PA (OUT)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_2 • X2242 • X2326 • X2327 • X2392
X1121	Gray/green	"PAC hybrid connection (IN)"[5)] AC 400 V, DC 24 V backup voltage and Ethernet	X, 2 or 3	• X1203_1 • X1206 • X1207 • X1216 • X1217 • X1292
X2326	Gray/green	"Hybrid connection PAC (OUT)" AC 400 V, DC 24 V backup voltage and Ethernet	X, 2 or 3	• X1203_2 • X2242 • X2327 • X2328 • X2392
X1292	Gray/yellow	"Hybrid connection PSC (IN)" AC 400 V, STO and Ethernet	3	• X1203_1 • X1121 • X1206 • X1207 • X1216 • X1217
X2392	Gray/yellow	"Hybrid connection PSC (OUT)" AC 400 V, STO Ethernet	3	• X1203_2 • X2242 • X2326 • X2327 • X2328
X5504	Yellow	"STO"[6)] (3-wire connection)	X, 2 or 3	• X2304 • X2313
X5505	Yellow	"STO" (3-wire connection)	X, 2 or 3	• X1523 • X4142

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Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X2304	–	"Connection of external braking resistor"	X, 2 or 3	• X5504 • X2313
X1523	Light gray	"DC 24 V backup voltage – input"[7)]	X, 2 or 3	• X5505 • X4142
X2313	Light gray	"DC 24 V backup voltage – output"	X, 2 or 3	• X5504 • X2304
X4142	Red	"Engineering interface"	X, 2 or 3	• X5505 • X1523
–	–	[1] Optional pressure compensation	1	–

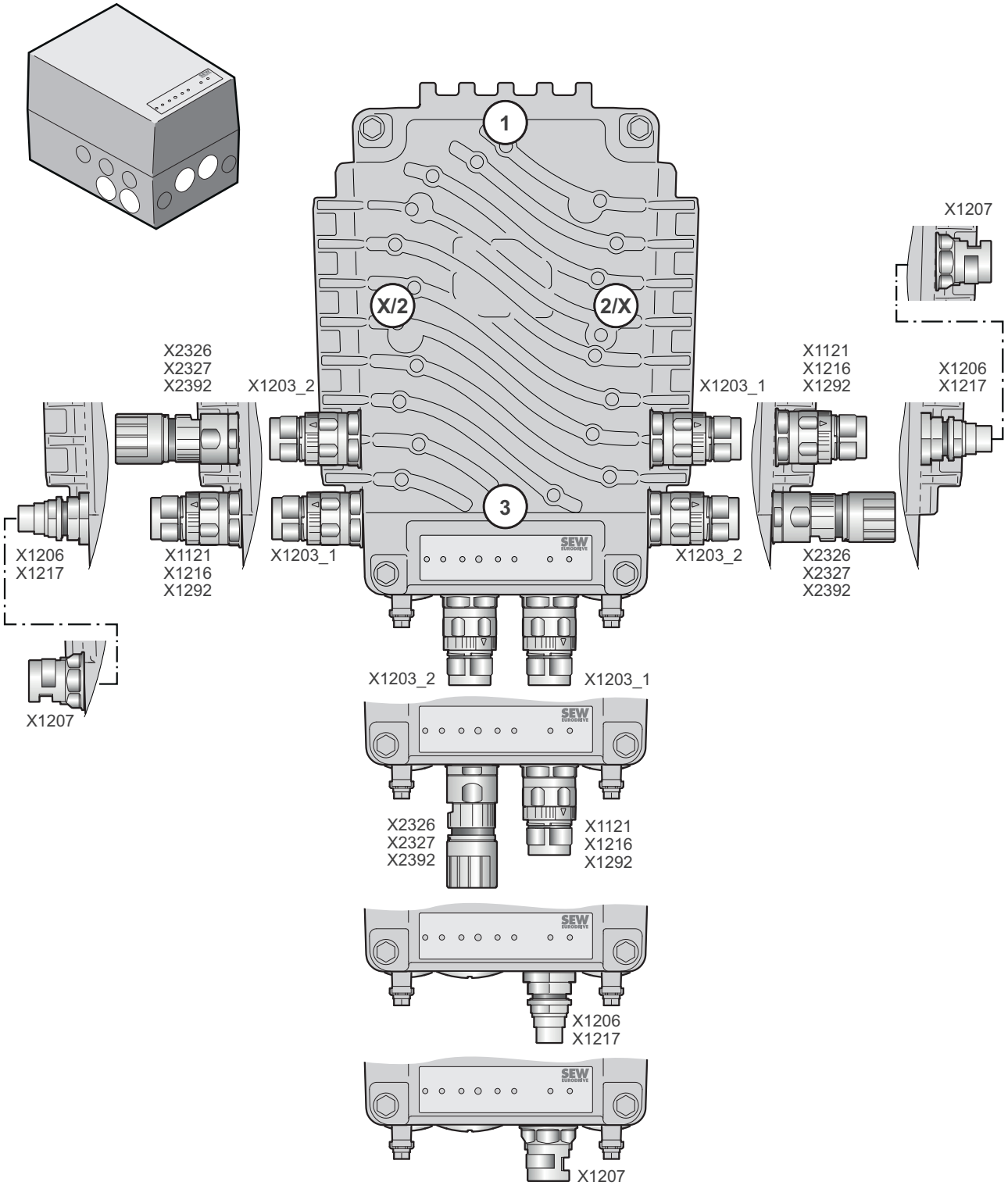
1) Connector X1203_1 can also be ordered separately (i.e. without connector X1203_2).
2) Connector X1206 can also be ordered separately (i.e. without connector X2242).
3) Connector X1216 can also be ordered separately (i.e. without connector X2327).
4) Connector X1217 can also be ordered separately (i.e. without connector X2328).
5) Connector X1121 can also be ordered separately (i.e. without connector X2326).
6) Connectors X5504 and X5505 can only be ordered together.
7) Connector X1523 can also be ordered separately (i.e. without connector X2313).

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MOVIMOT® performance DFC, DSI drive unit size 2 connector positions

Cable bushing M25

The following figure shows possible connector positions:



9007235953343883

The position of the cable bushings depends on the position of the decentralized inverter.

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1203_1	Black	"AC 400 V connection"[1)]	X, 2 or 3	• X1121 • X1206 • X1207 • X1216 • X1217 • X1292
X1203_2	Black	"AC 400 V connection"	X, 2 or 3	• X2326 • X2327 • X2392
X1206	–	"AC 400 V connection (IN)"	X, 2 or 3	• X1203_1 • X1121 • X1207 • X1216 • X1217 • X1292
X1207	Black	"AC 400 V connection"	X, 2 or 3	• X1203_1 • X1121 • X1206 • X1216 • X1217 • X1292
X1216	Black/green	"PA hybrid connection (IN)"[2)] AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1121 • X1206 • X1207 • X1217 • X1292
X2327	Black/green	"Hybrid connection PA (OUT)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_2 • X2326 • X2392
X1217	–	"Hybrid connection PA (IN)" AC 400 V and DC 24 V backup voltage	X, 2 or 3	• X1203_1 • X1121 • X1206 • X1207 • X1216 • X1292

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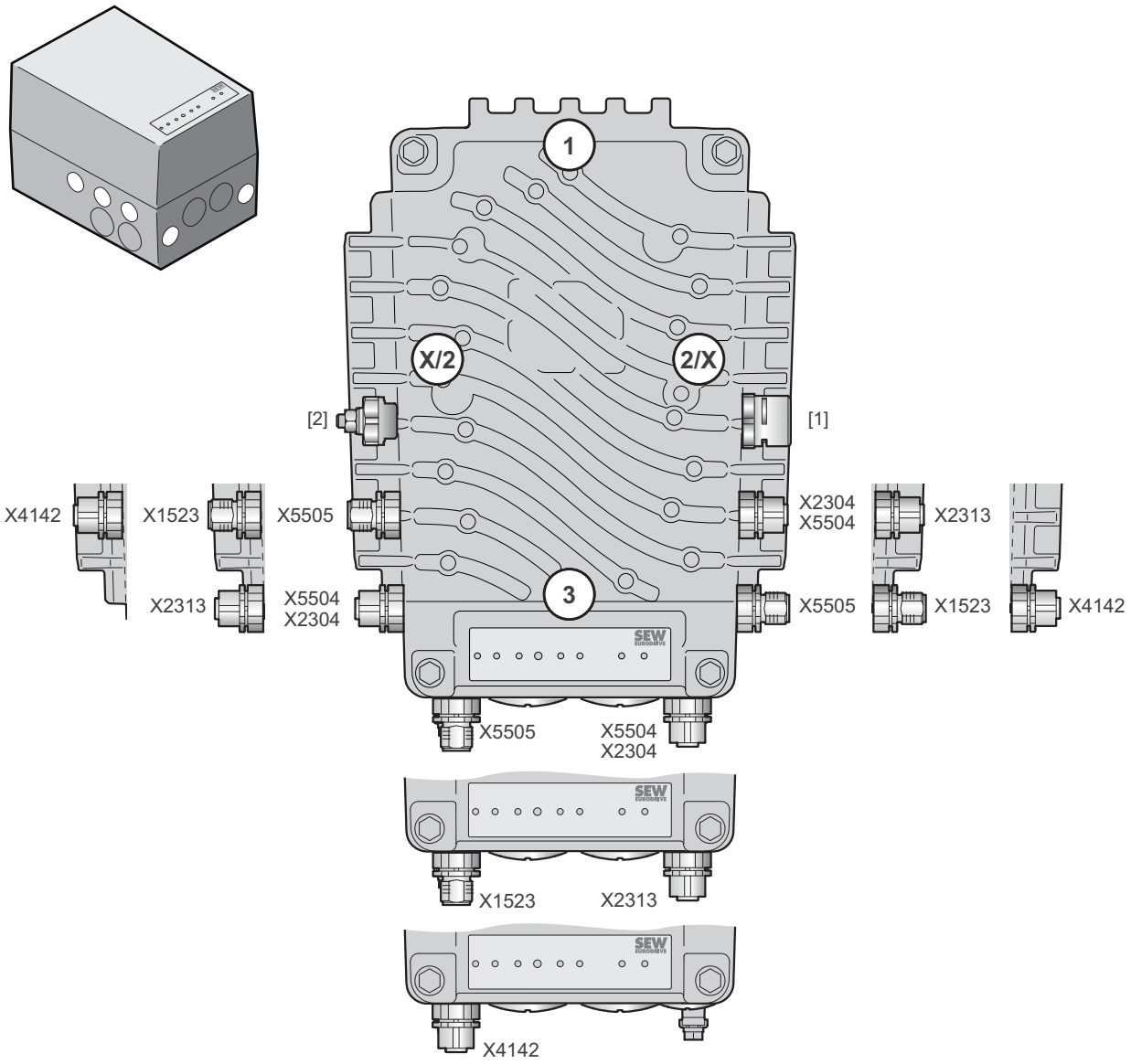
Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X1121	Gray/green	"PAC hybrid connection (IN)"[3)] AC 400 V, DC 24 V backup voltage and Ethernet	X, 2 or 3	• X1203_1 • X1206 • X1207 • X1216 • X1217 • X1292
X2326	Gray/green	"Hybrid connection PAC (OUT)" AC 400 V, DC 24 V backup voltage and Ethernet	X, 2 or 3	• X1203_2 • X2327 • X2392
X1292	Gray/yellow	"Hybrid connection PSC (IN)" AC 400 V, STO and Ethernet	3	• X1203_1 • X1121 • X1206 • X1207 • X1216 • X1217
X2392	Gray/yellow	"Hybrid connection PSC (OUT)" AC 400 V, STO Ethernet	3	• X1203_2 • X2242 • X2326 • X2327 • X2328

1) Connector X1203_1 can also be ordered separately (i.e. without connector X1203_2).
2) Connector X1216 can also be ordered separately (i.e. without connector X2327).
3) Connector X1121 can also be ordered separately (i.e. without connector X2326).

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Cable bushing M16

The following figure shows possible connector positions:



9007235955511563

Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X5504	Yellow	"STO"[1)] (3-wire connection)	X, 2 or 3	• X2304 • X2313
X5505	Yellow	"STO" (3-wire connection)	X, 2 or 3	• X1523 • X4142
X2304	–	"Connection of external braking resistor"	X, 2 or 3	• X5504 • X2313
X1523	Light gray	"DC 24 V backup voltage – input"[2)]	X, 2 or 3	• X5505 • X4142

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Connectors				Not together at a position with the connector:
Designation	**Coding ring/ color**	**Function**	**Position**	
X2313	Light gray	"DC 24 V backup voltage – output"	X, 2 or 3	• X5504 • X2304
X4142	Red	"Engineering interface"	X, 2 or 3	• X5505 • X1523
–	–	[1] Optional pressure compensation	X or 2	• Optional connection for equipotential bonding
–	–	[2] Optional connection for equipotential bonding	X or 2	• Optional pressure compensation

1) Connectors X5504 and X5505 can only be ordered together.

2) Connector X1523 can also be ordered separately (i.e. without connector X2313).

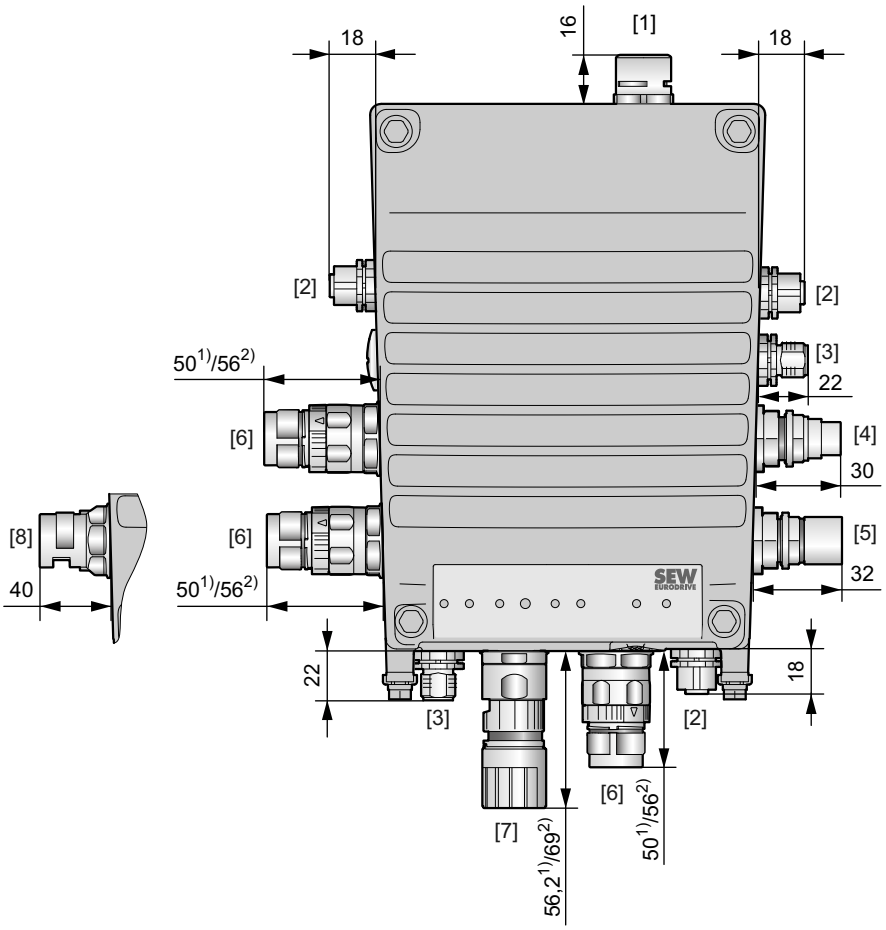
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Dimension drawings of connectors in the connection box

Dimension drawing connection box size 1 connector

The following figure shows an example of the additional dimensions of the optional connectors for a possible connector configuration.

For more information, refer to chapter "Electrical installation" > "Connector" > "Connector positions ...".



27021623063871755

1) "Straight" connector variant
2) "Right-angle" connector variant
[1] Optional pressure compensation
[2] M12 connector design, female
[3] M12 connector design, male
[4] Connector design M15-X-Power, male
[5] Connector design M15-X-Power, female
[6] Connector design TE-Intercontec Products, M23, without union nut
[7] Connector design TE-Intercontec Products, M23, with union nut
[8] Connector design PhoenixContact, QPD W 4PE2.5, female

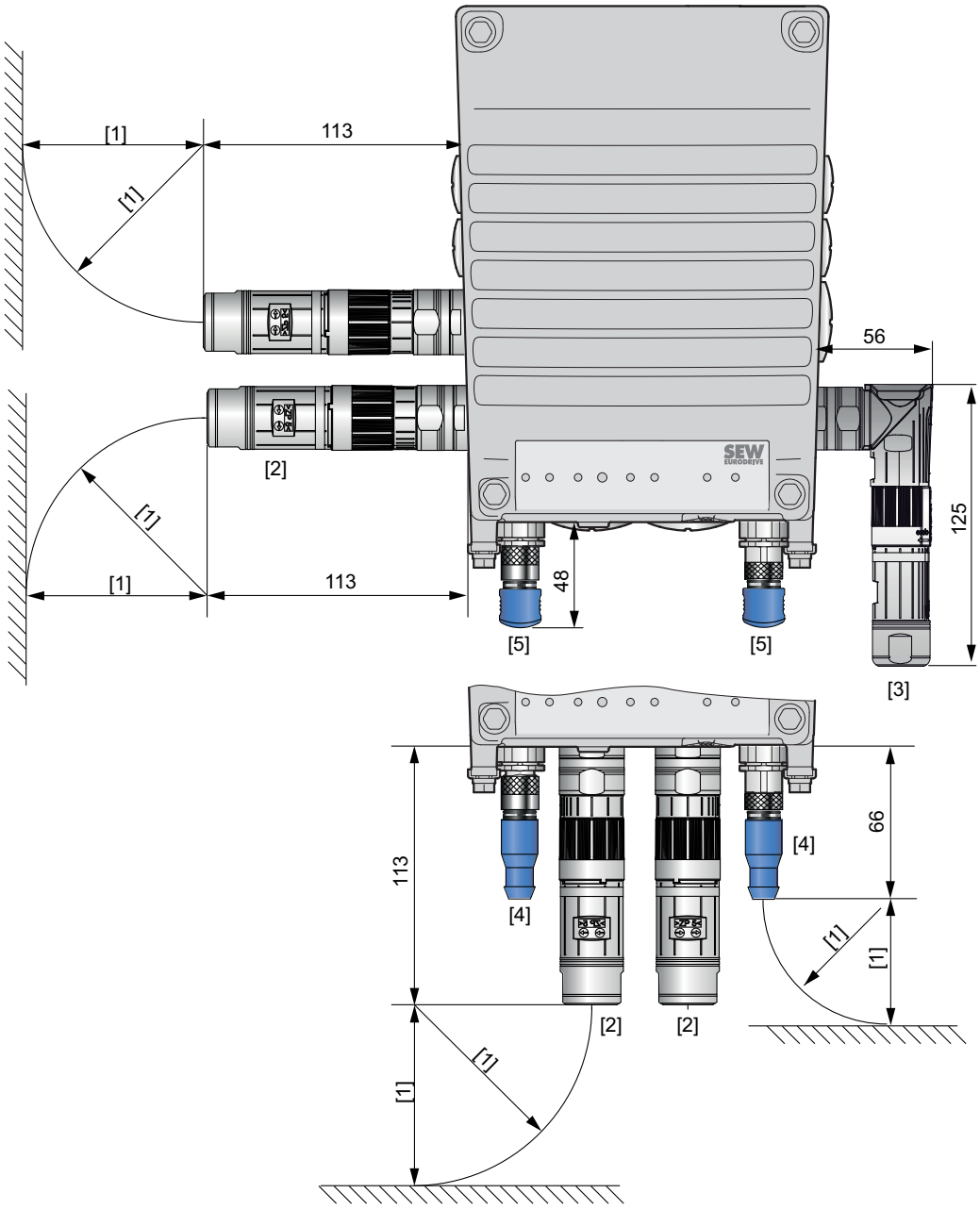
All dimensions in mm.

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Dimension drawing connection box size 1 connector including mating connector

The following image shows the multiple dimensions/bending radii of the optional connector, including mating connector, together with prefabricated cables from SEW-EURODRIVE.

For more information, see chapter "Electrical installation" > "Connectors" > "Connector positions ..".



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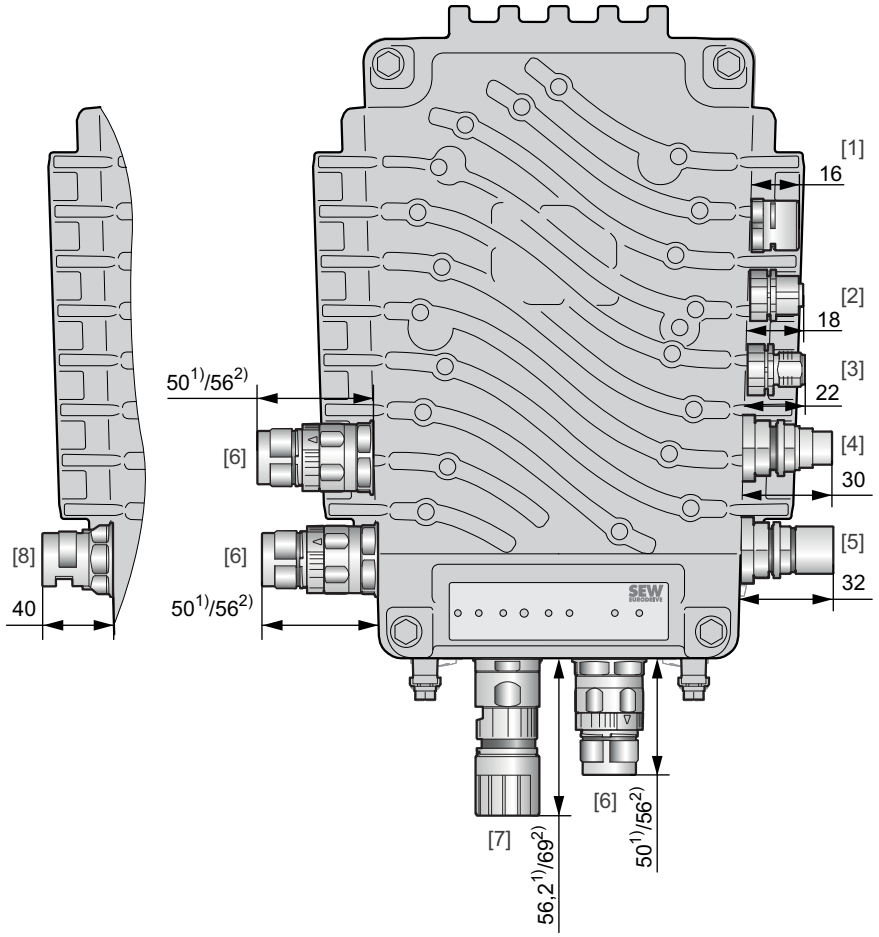
[1] Distance according to the permitted bending radius of the cable
[2] "Straight" M23 connector design
[3] Connector design M23 "Angled"
[4] "Straight" M12 connector design
[5] "Angled" M12 connector design

All dimensions in mm.

Dimension drawing connection box size 2 connector

The following figure shows an example of the additional dimensions of the optional connectors for a possible connector configuration.

For more information, refer to chapter "Electrical installation" > "Connector" > "Connector positions ...".



9007233736778763

1) "Straight" connector variant
2) "Right-angle" connector variant
[1] Optional pressure compensation
[2] M12 connector design, female
[3] M12 connector design, male
[4] Connector design M15-X-Power, male
[5] Connector design M15-X-Power, female
[6] Connector design TE-Intercontec Products, M23, without union nut
[7] Connector design TE-Intercontec Products, M23, with union nut
[8] Connector design PhoenixContact, QPD W 4PE2.5, female

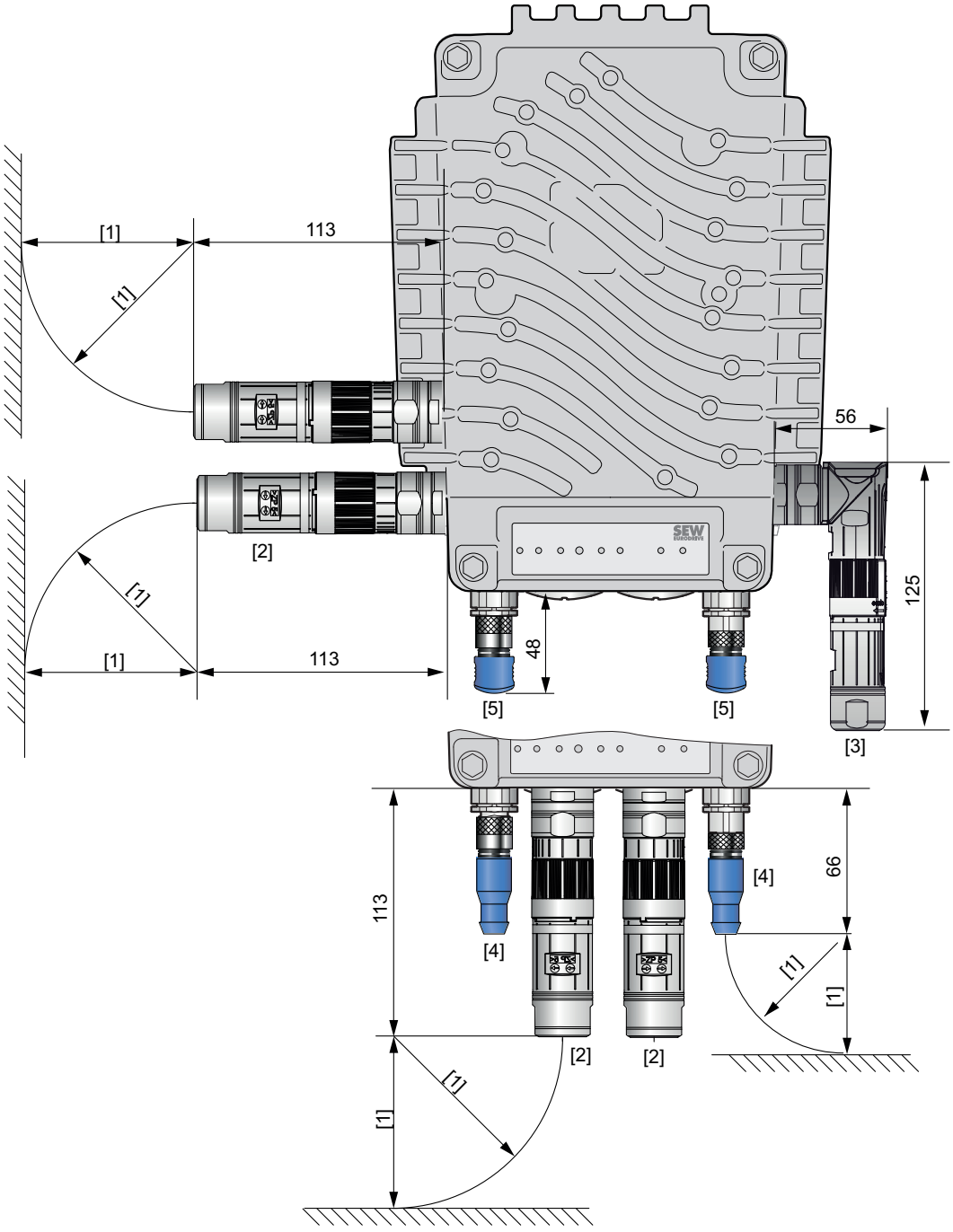
All dimensions in mm.

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Dimension drawing connection box size 2 connector including mating connector

The following image shows the multiple dimensions/bending radii of the optional connector, including mating connector, together with prefabricated cables from SEW-EURODRIVE.

For more information, see chapter "Electrical installation" > "Connectors" > "Connector positions ..".

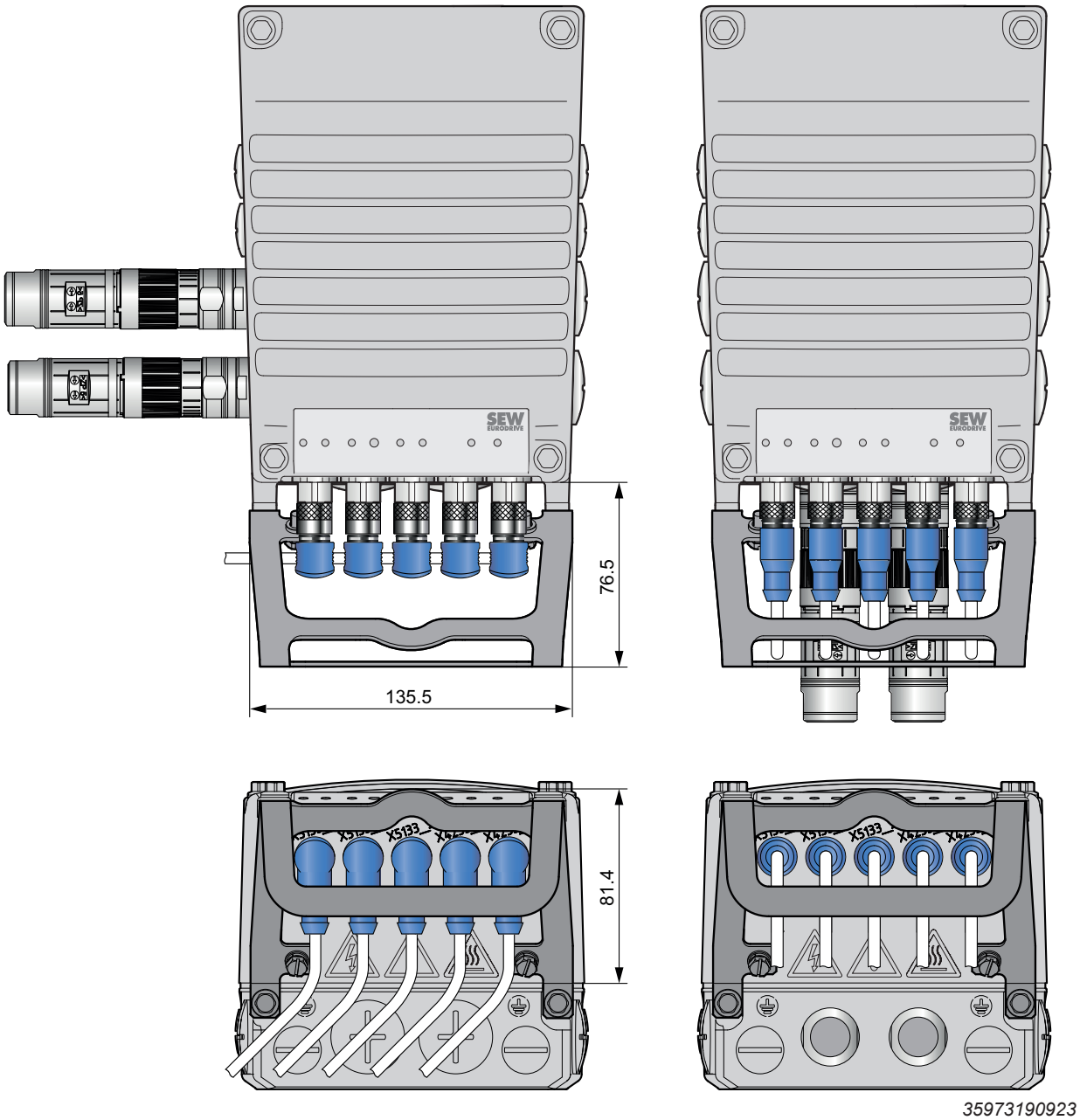


[1] Distance according to the permitted bending radius of the cable
[2] "Straight" M23 connector design
[3] Connector design M23 "Angled"
[4] "Straight" M12 connector design
[5] "Angled" M12 connector design

All dimensions in mm.

Dimension drawing of guard bracket

The following figure shows the dimensions of the guard bracket.



35973190923

All dimensions in mm.

3.2.8 Change of mounting position

Observe the following information when operating the gearmotor in a mounting position other than the one indicated in the order:

- Adjust the lubricant fill quantity to the changed mounting position.
- Adjust the position of the breather valve.
- When changing the mounting position to M4: Contact SEW-EURODRIVE. Depending on the drive's operating mode, an oil expansion tank might be necessary (see chapter "Oil expansion tank").
- For helical-bevel gearmotors: Contact SEW-EURODRIVE if you want to change to mounting position M5 or M6.
- For helical-worm gearmotors: Contact SEW-EURODRIVE when changing to mounting position M2 or M3.
- For helical gearmotors: Contact SEW-EURODRIVE when changing to mounting position M2.
- If the mounting position is changed to another mounting position with a larger oil fill volume, SEW-EURODRIVE recommends performing a new thermal check/project planning.

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3.3 Dimension sheet information

Position of the valves and screws

The positions of the breather valve, oil level plug, and oil drain plug specified in the mounting position sheets are binding and comply with the assembly specifications. The motors are only depicted symbolically on the mounting position sheets.

Representation of the shaft

For gear units with solid shaft, the shaft shown is always on the A-side. For shaft-mounted gear units, the customer shaft is shown as a dashed line. The output end (position of the output shaft) is always shown on the A-side.

W..0 gear units

SPIROPLAN® right-angle gearmotors W..10, W..20, and W..30 are independent of the mounting position. No breather valves, oil level plugs or oil drain plugs can be installed. Mounting positions M1 to M6 are also displayed for these SPIROPLAN® right-angle gearmotors for better orientation.

Mounting position M0

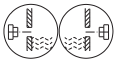
Some gear units can be supplied in mounting position M0. In this case, the gear unit is delivered in a universal mounting position and can be used in various mounting positions without adjustments.

Gear units W..9 in mounting position M4 or M2

SPIROPLAN® right-angle gearmotors W..9 are equipped with breather valves in mounting position M4 and with an oil drain plug in mounting position M2.

3.3.1 Symbols used

The following table shows the symbols used in the mounting position sheets.

Symbol	Meaning
	Breather valve
	Oil level plug
	Oil drain plug

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3.3.2 Churning losses

Churning losses may occur with the following conditions. They must be considered during thermal check:

- A mounting position where the first gear unit stage is fully immersed in the lubricant. The respective mounting positions of the gear units are marked with * in chapter "Mounting position sheets".
- A high mean input speed and consequently a high circumferential speed of the gear wheels of the input gear stage.

If one or both conditions apply, consult SEW-EURODRIVE. SEW-EURODRIVE can calculate the thermal rating based on the actual operating conditions. The thermal rating of the gear unit can be increased by appropriate measures, such as using a synthetic lubricant with higher thermal endurance properties.

To reduce churning losses to a minimum, use gear units preferably in mounting position M1.

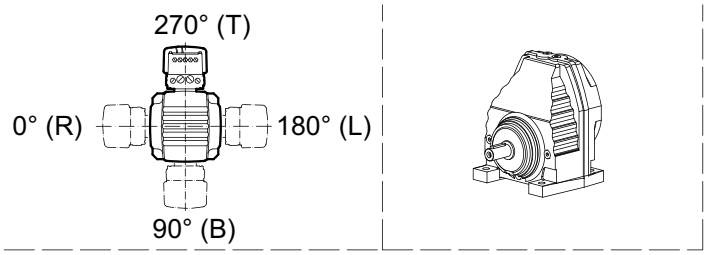
31546617/EN – 04/2026

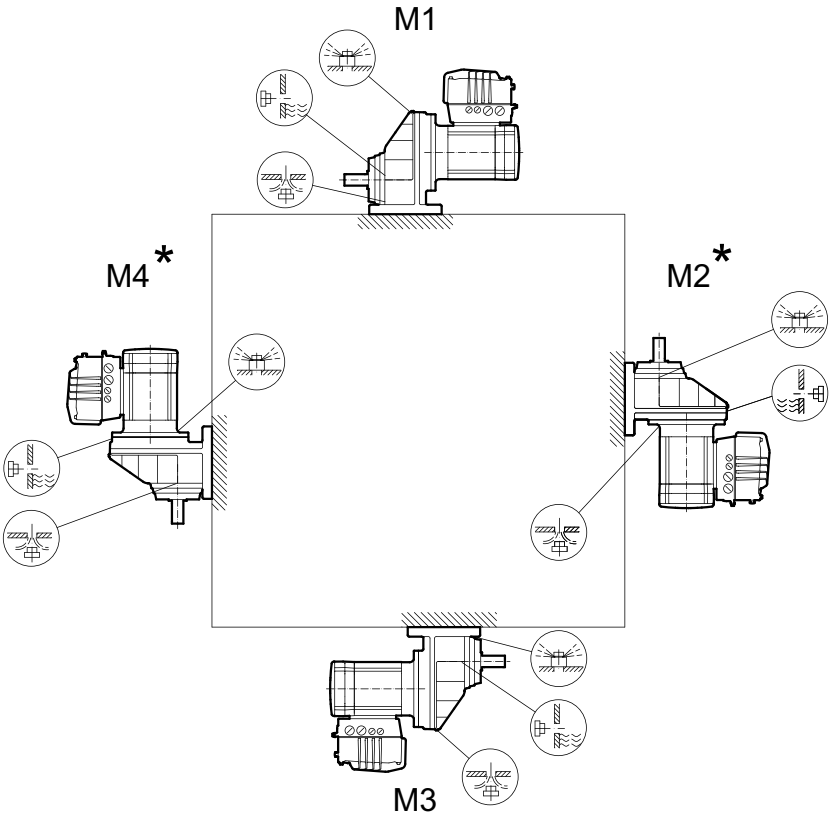
3.4 Mounting positions of MOVIMOT® performance gearmotors

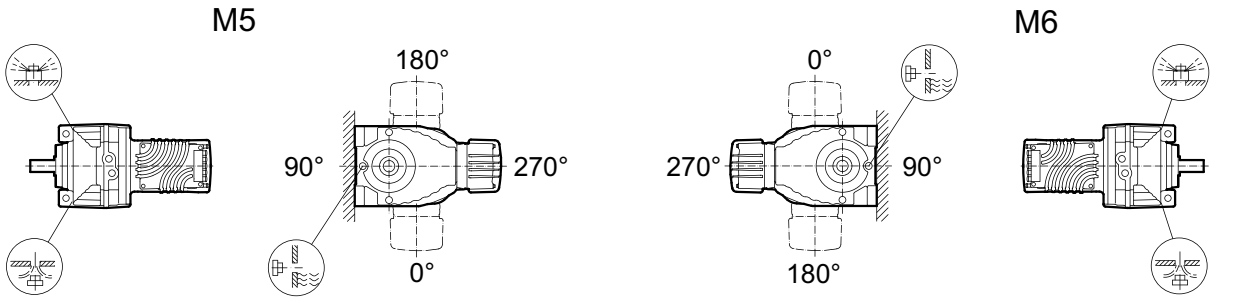
3.4.1 Mounting positions of helical gearmotors

RX57 – RX107

01 098 00 20







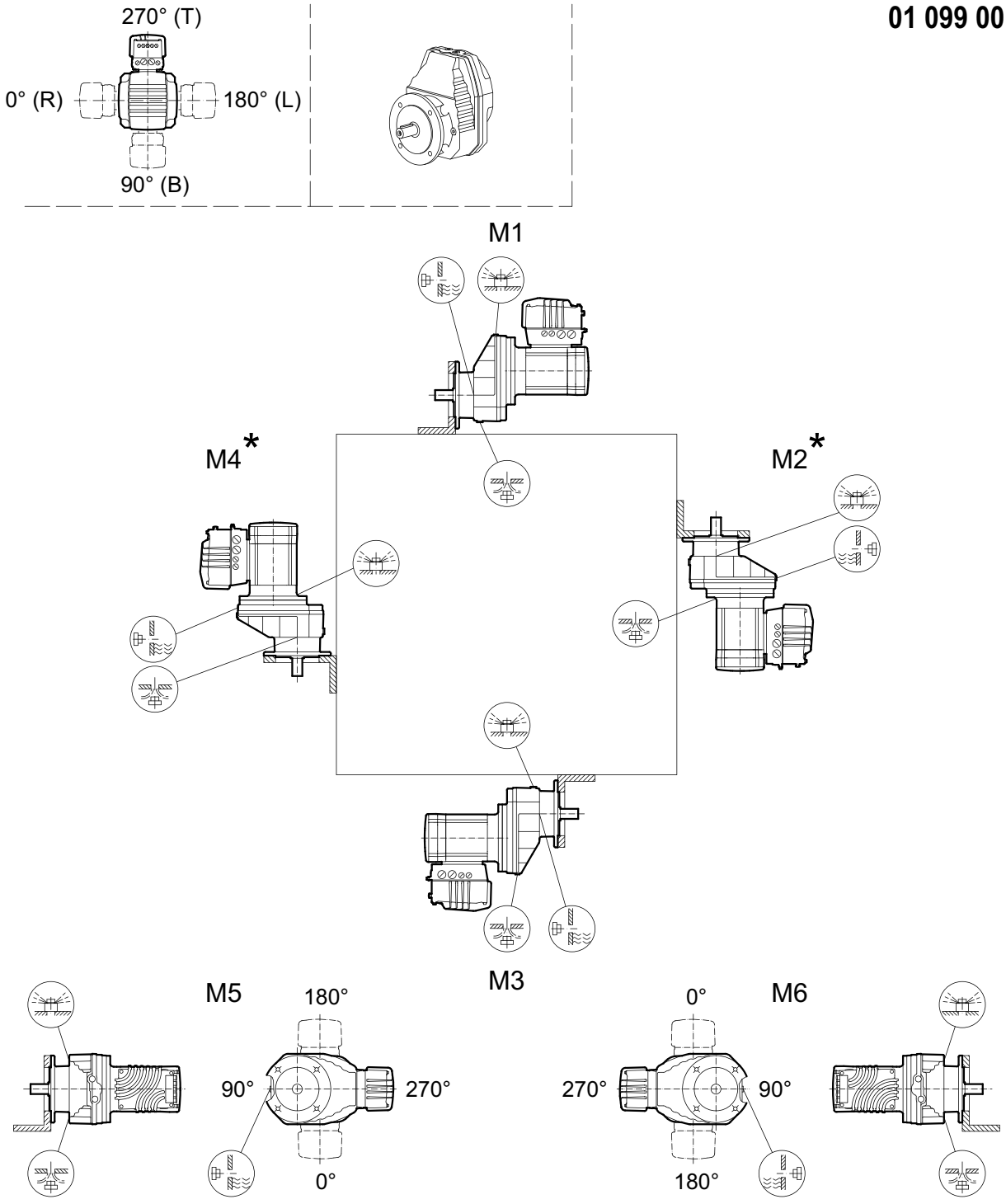
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* (→ 🗎 91)

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RXF57 – RXF107

01 099 00 20



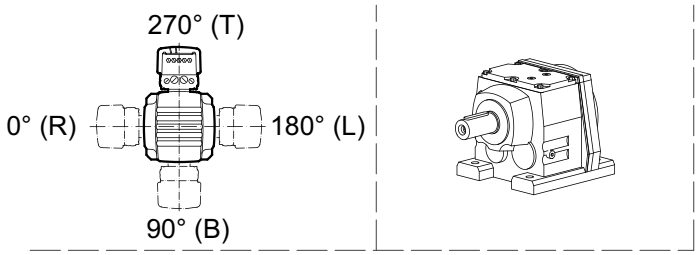
33079607435

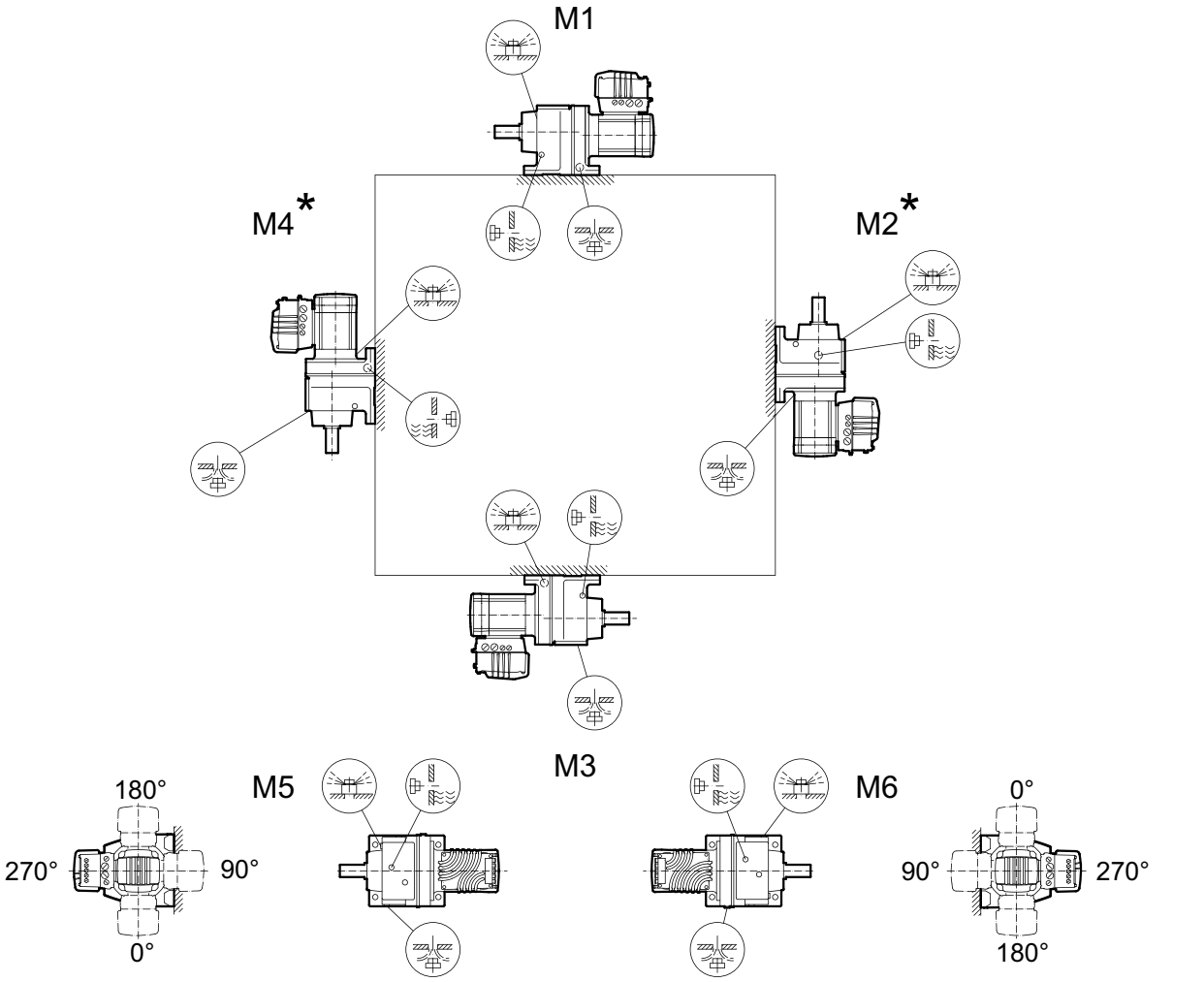
* (→ 🗎 91)

31546617/EN – 04/2026

R07 – R107

01 100 00 20





R07	M1, M2, M3, M5, M6
R17, R27	M1, M3, M5, M6
R07, R17, R27	
R47, R57	M5

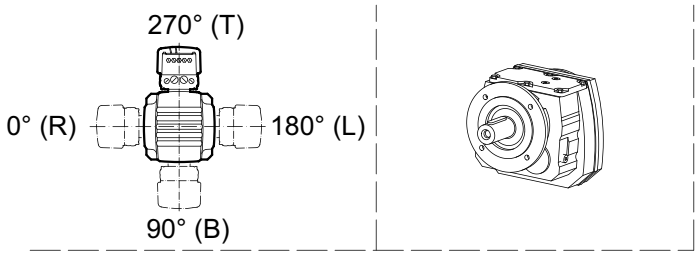
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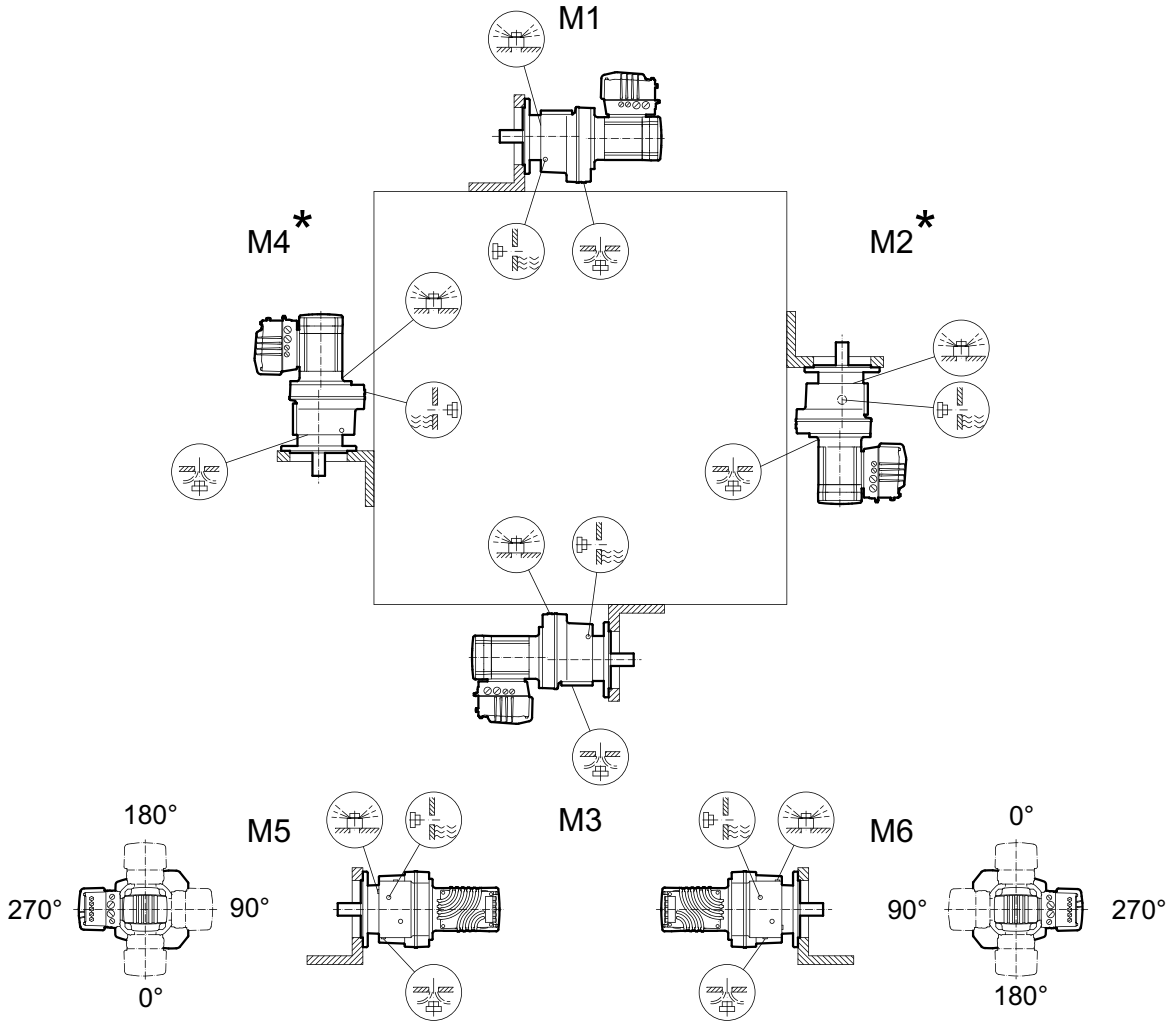
* (→ 🗎 91)

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RF07 – RF107, RZ07 – RZ87

01 101 00 20



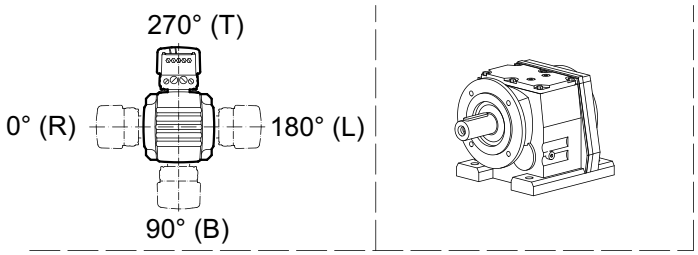


RF/RZ07	⊗	M1, M2, M3, M5, M6
RF/RZ17, 27	⊗	M1, M3, M5, M6
RF/RZ07, 17, 27	⊗ ⊗	
RF/RZ47, 57	⊗	M5

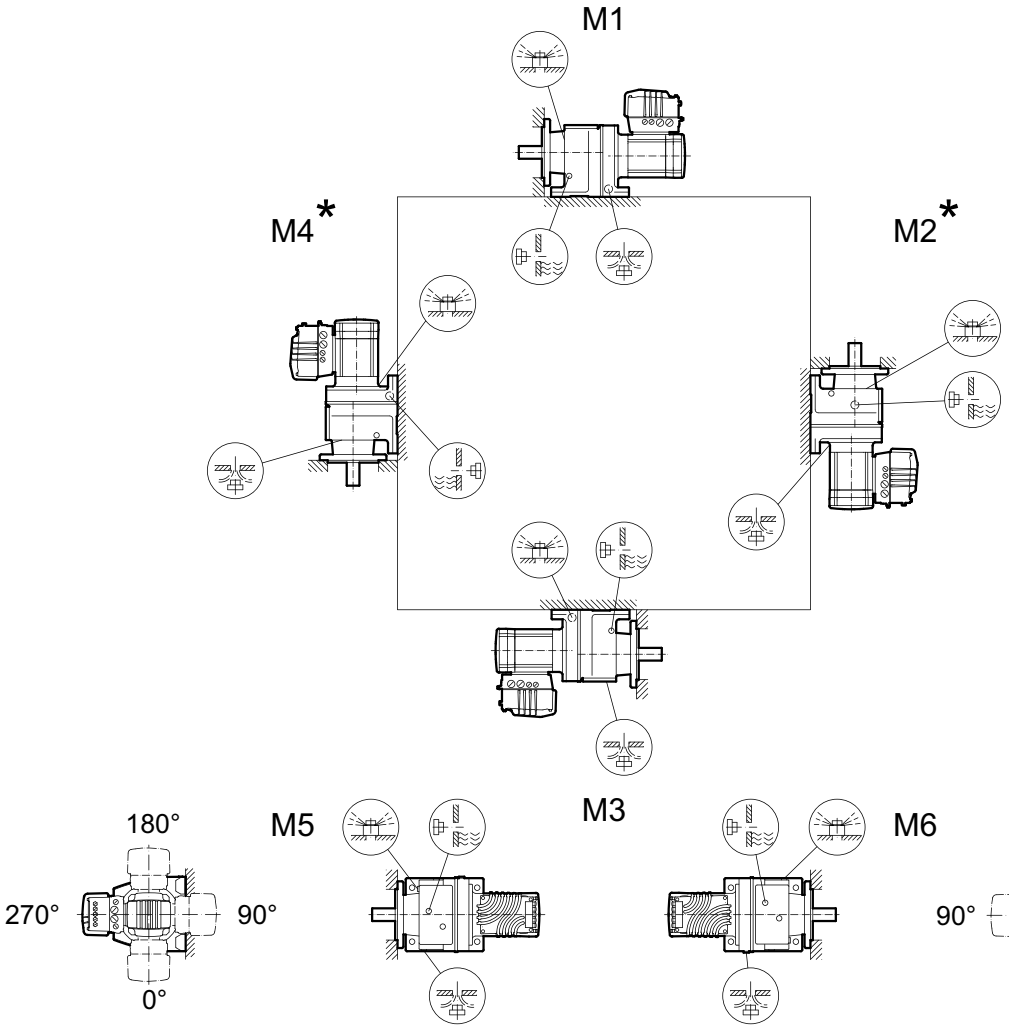
33079612299

* (→ 🗎 91)

R07F – R87F



01 102 00 20



R07F	M1, M2, M3, M5, M6
R17F, R27F	M1, M3, M5, M6
R07F, R17F, R27F	
R47F, R57F	M5

33079729931

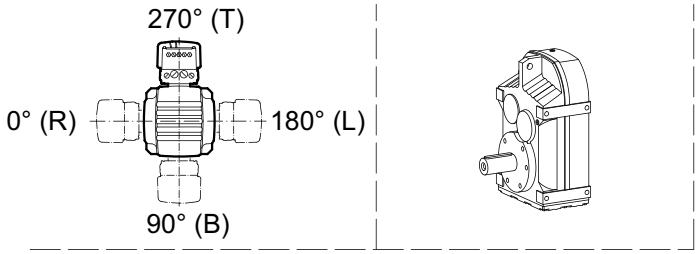
* (→ 🗎 91)

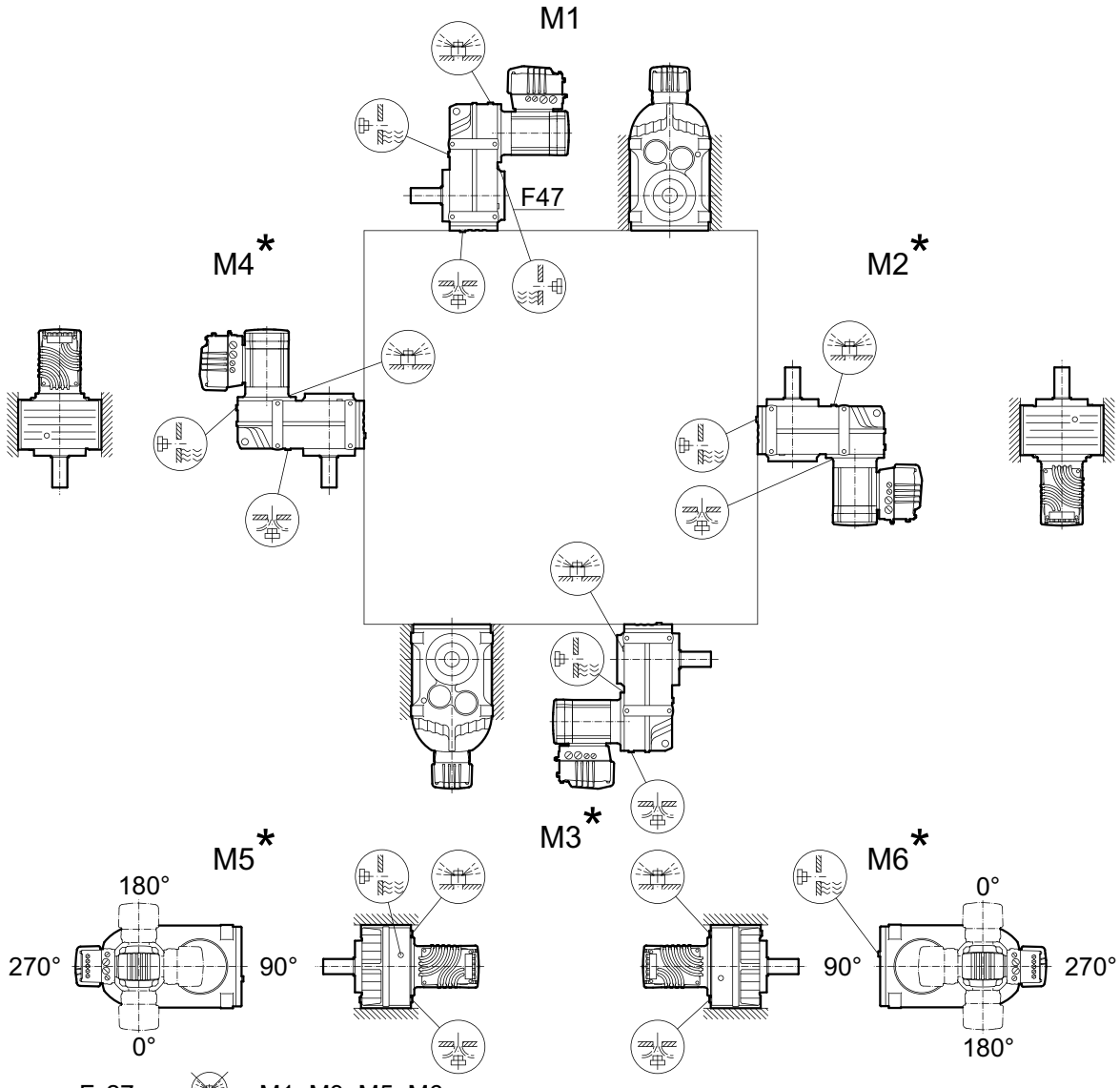
31546617/EN – 04/2026

3.4.2 Mounting positions of parallel-shaft helical gearmotors

F/FA..B/FH27B – 107B, FV27B – 107B

42 133 00 20





F..27	⊗	M1, M3, M5, M6
F..27	⊗	M1 - M6
F..27	⊗	M1, M3, M5, M6

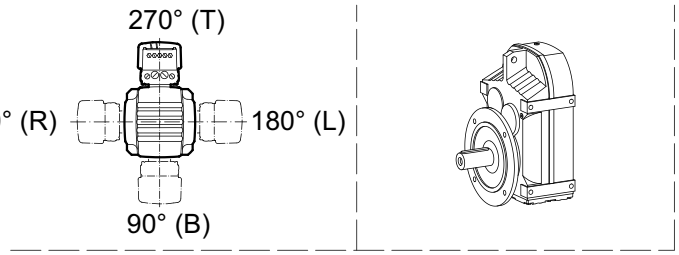
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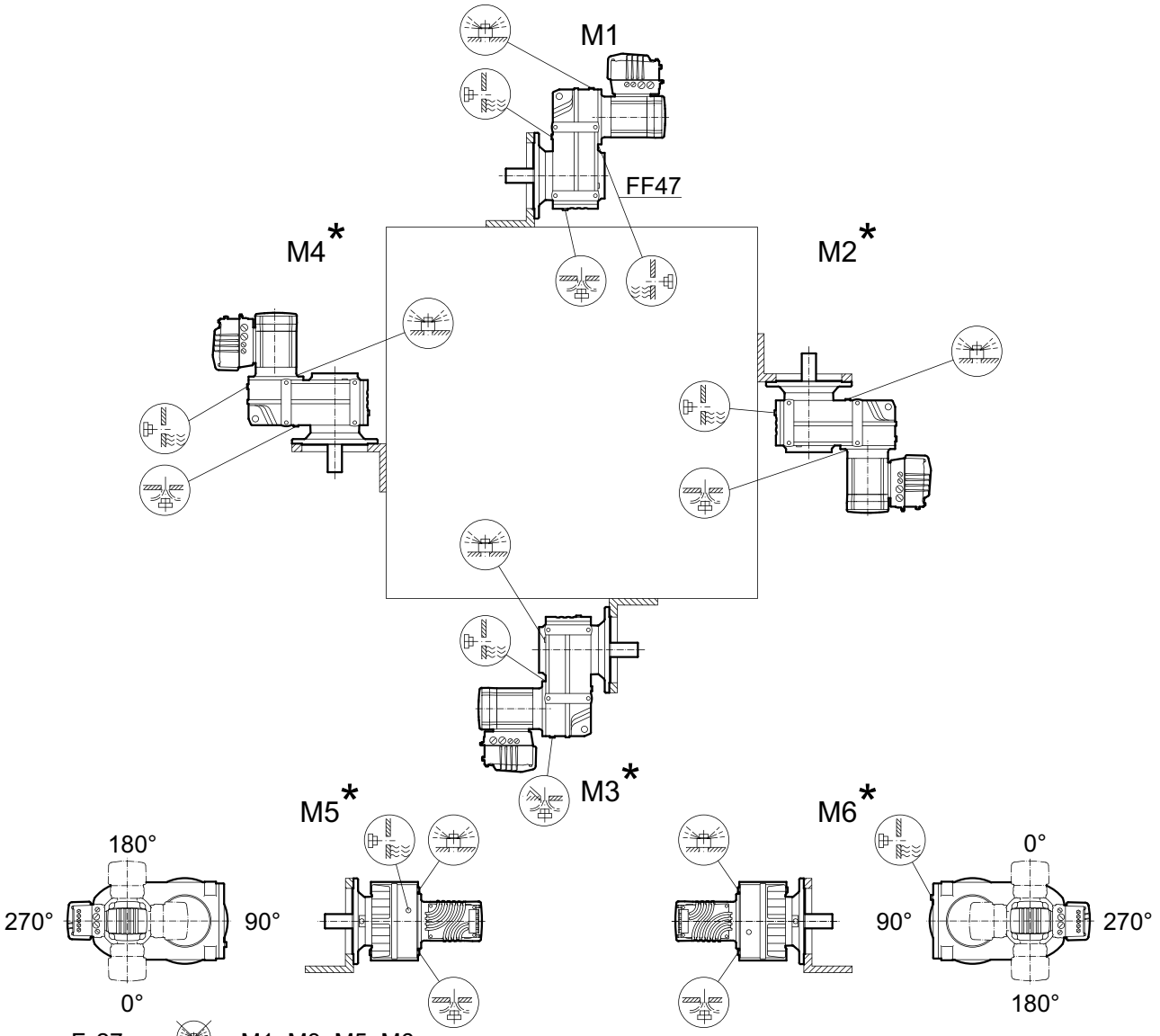
* (→ 🗎 91)

31546617/EN – 04/2026

FF/FAF/FHF/FZ/FAZ/FHZ27 – 107, FVF/FV27 – 107

42 134 00 20





F..27	⊗	M1, M3, M5, M6
F..27	⊗	M1 - M6
F..27	⊗	M1, M3, M5, M6

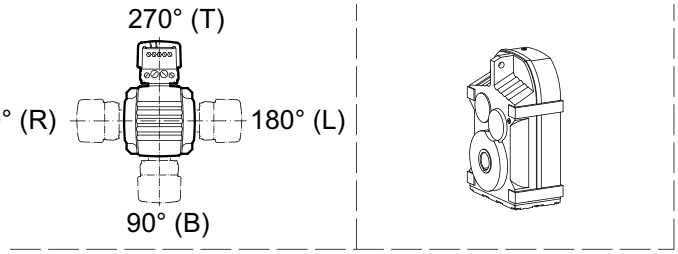
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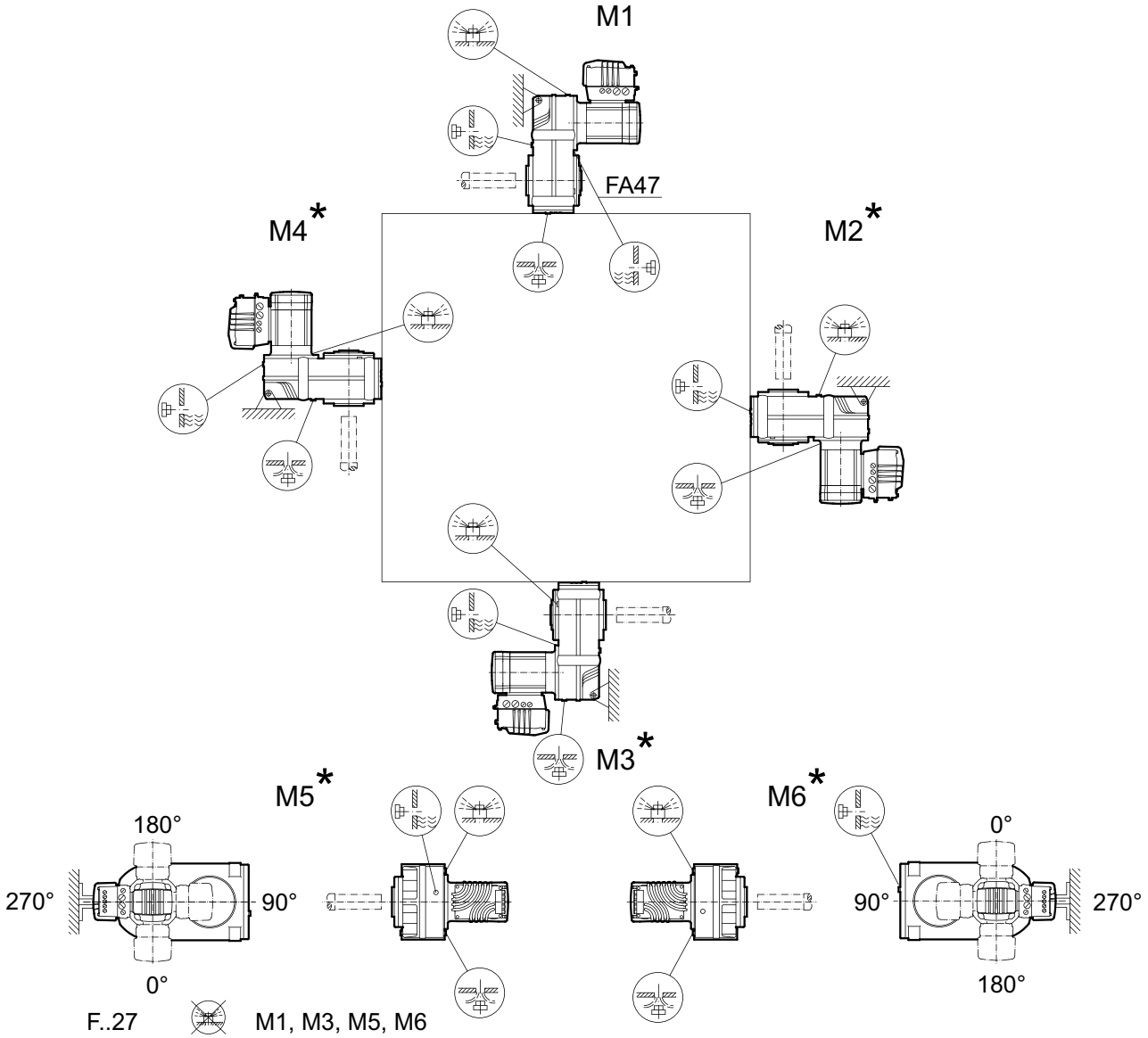
* (→ 🗎 91)

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FA/FH27 – 107, FV27 – 107, FT37 – 97

42 135 00 20





F..27 M1, M3, M5, M6

F..27 M1 - M6

F..27 M1, M3, M5, M6

33079798667

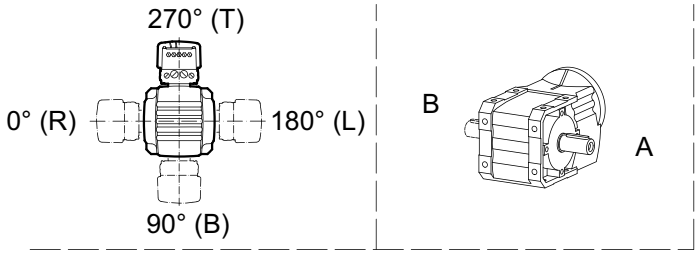
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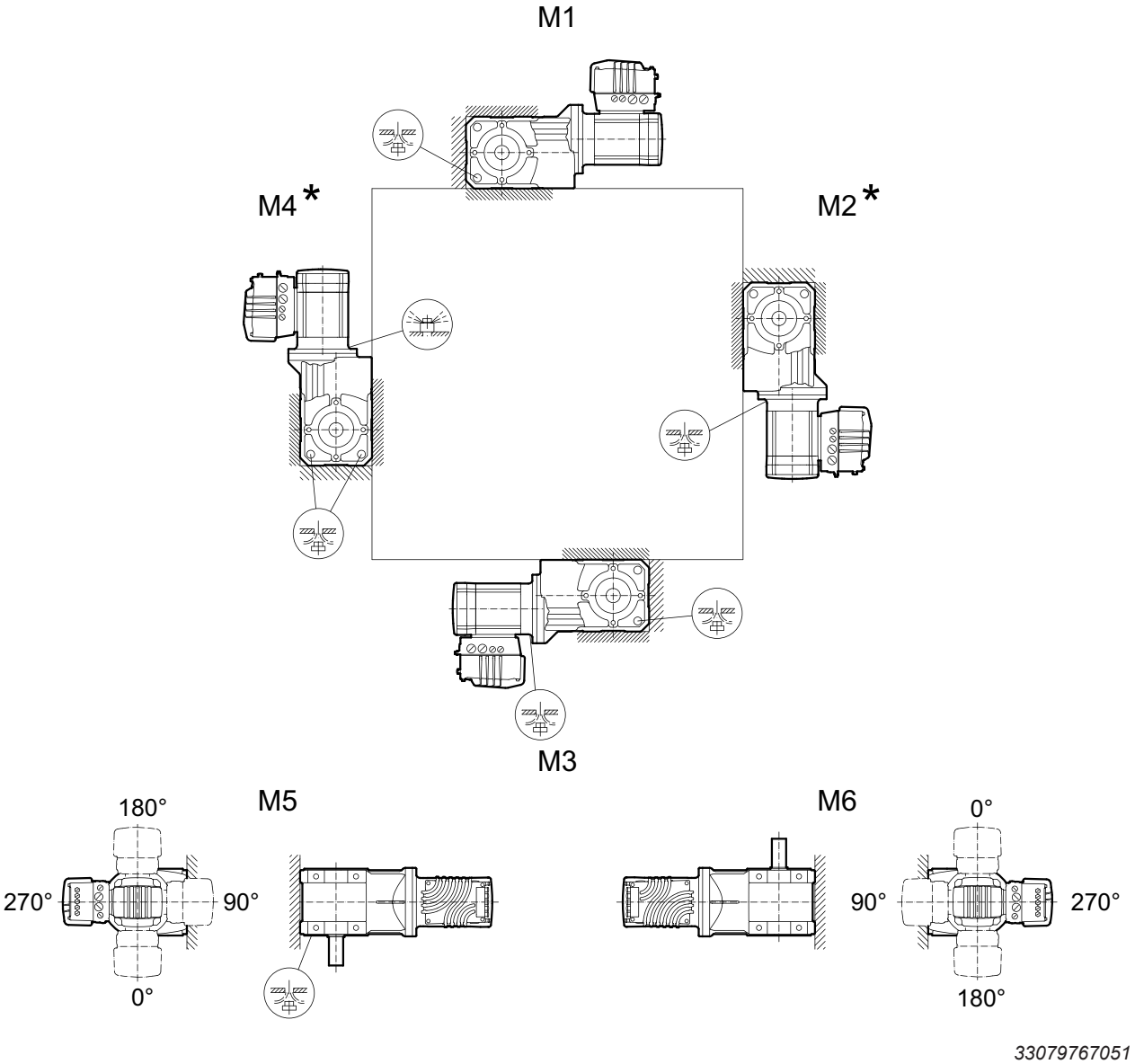
31546617/EN – 04/2026

3.4.3 Mounting positions of helical-bevel gearmotors

K/KA..B/KH19B – 29B

33 184 00 20



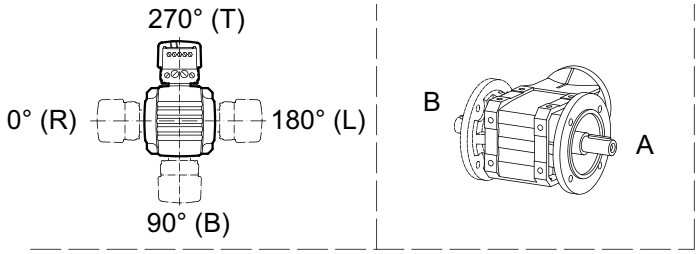


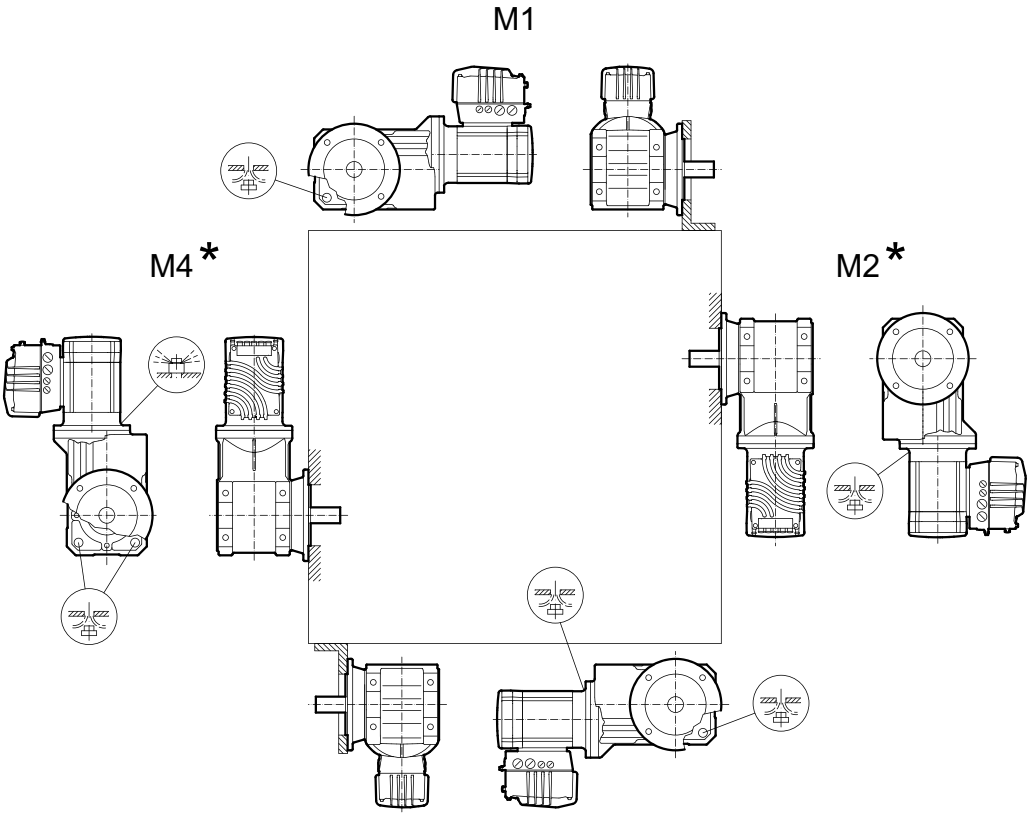
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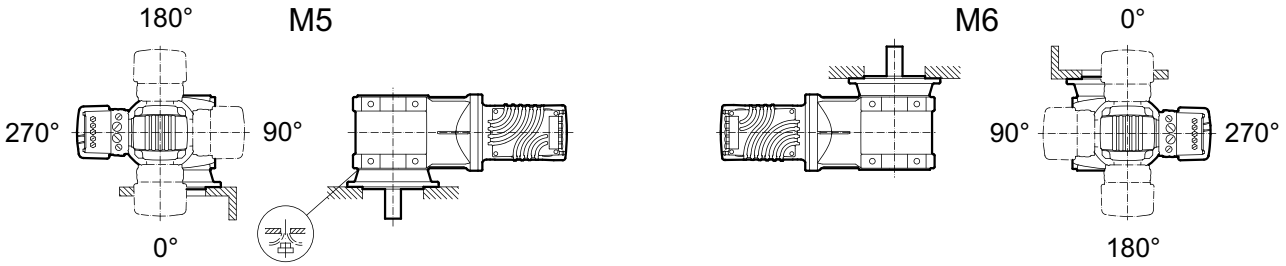
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KF..B/KAF..B/KHF19B – 29

33 185 00 20





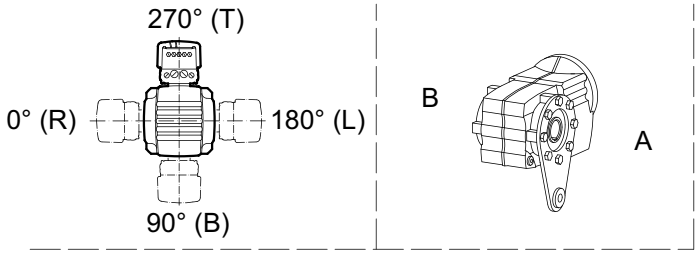


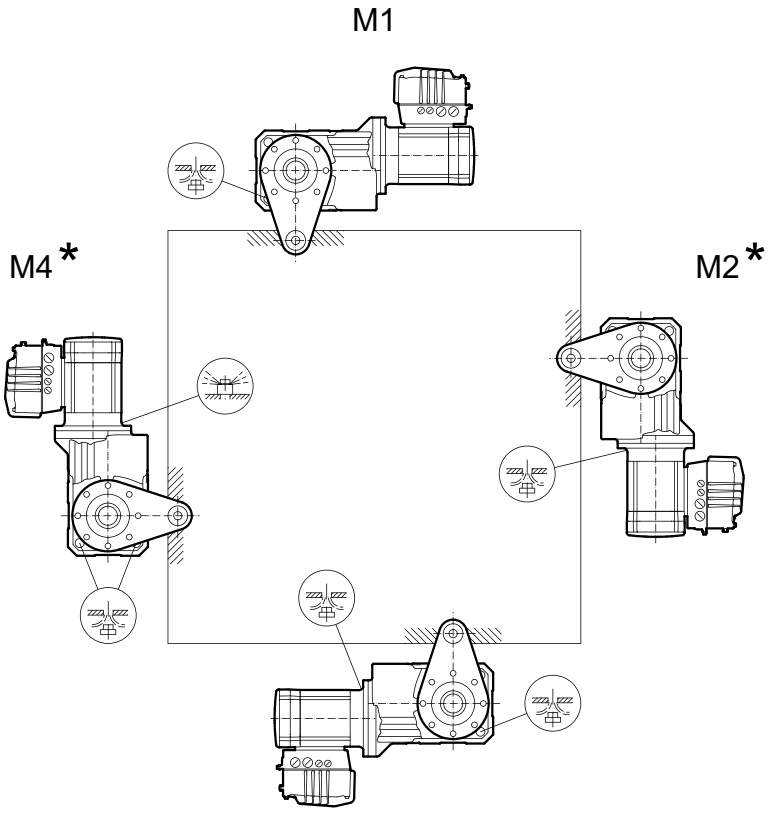
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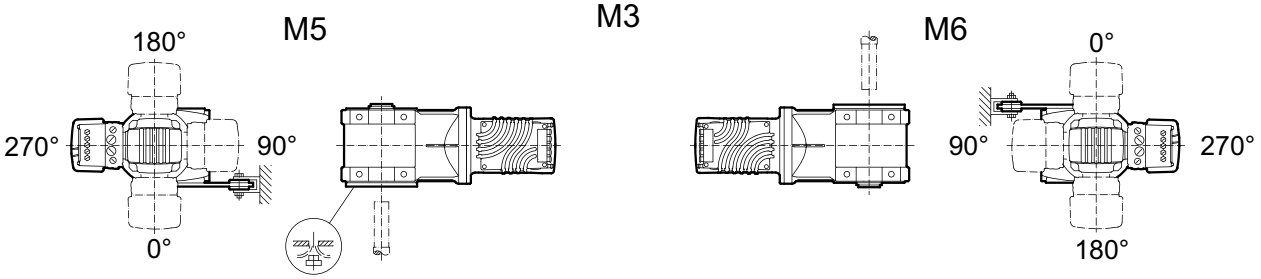
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KA..B/KH19B – 29

33 186 00 20







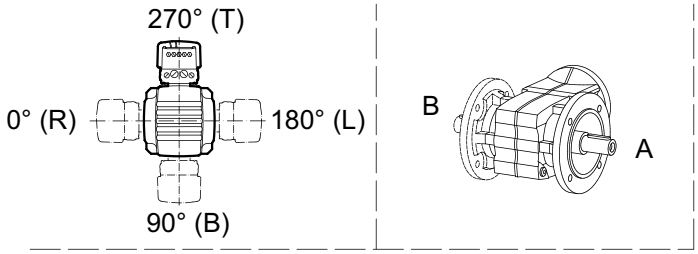
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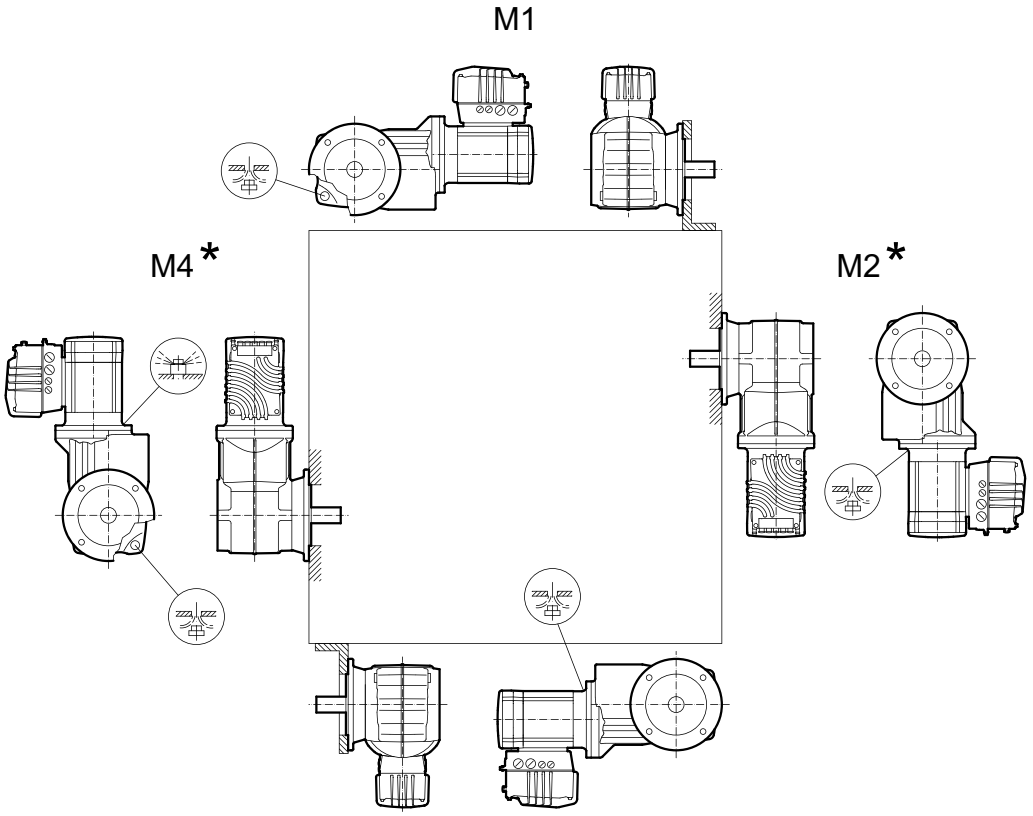
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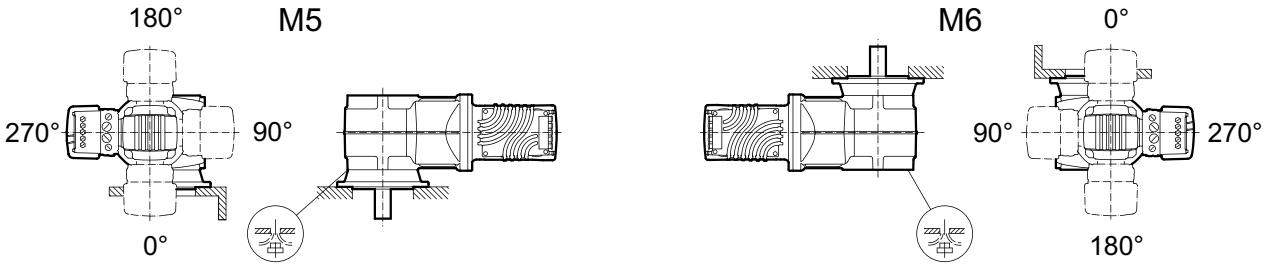
31546617/EN – 04/2026

KF/KAF/KHF19 – 29

33 187 00 20





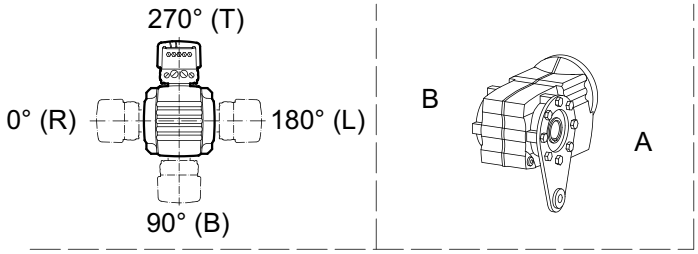


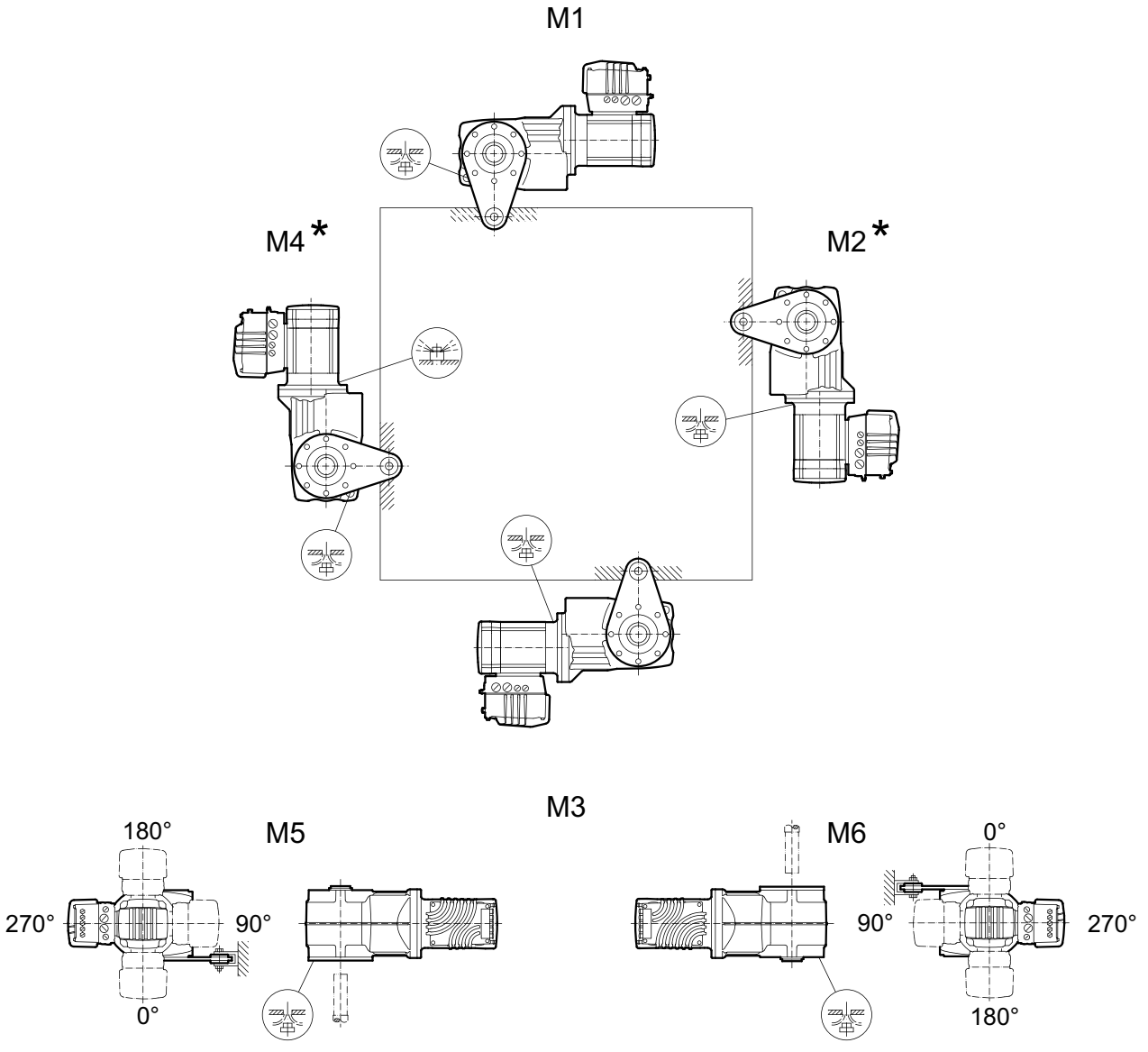
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KA/KH19 – 29

33 188 00 20





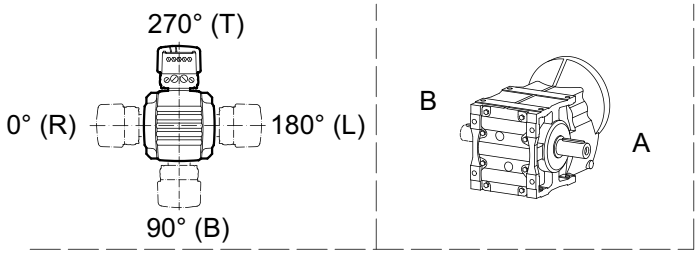
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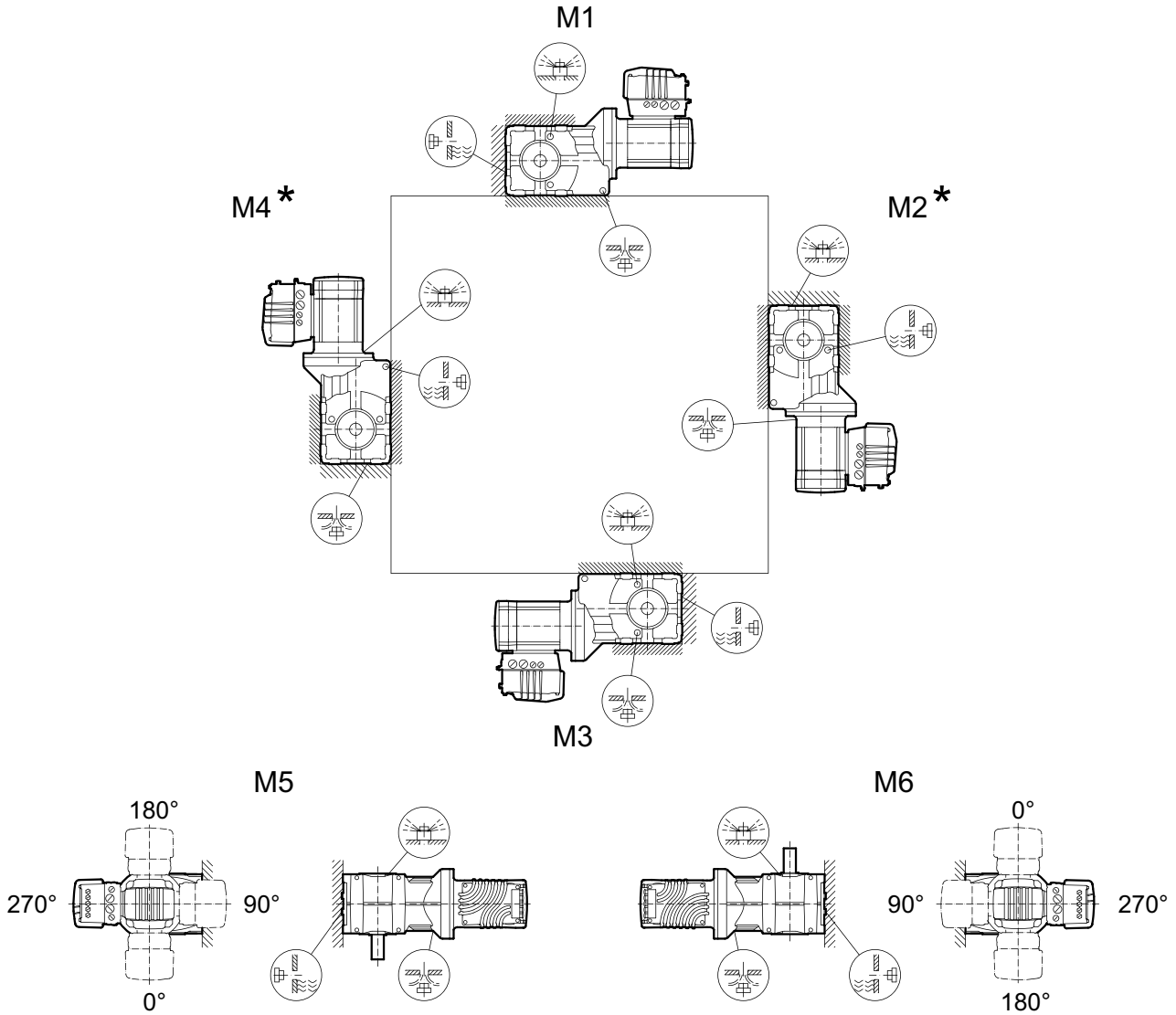
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K39 – 49

33 189 00 20





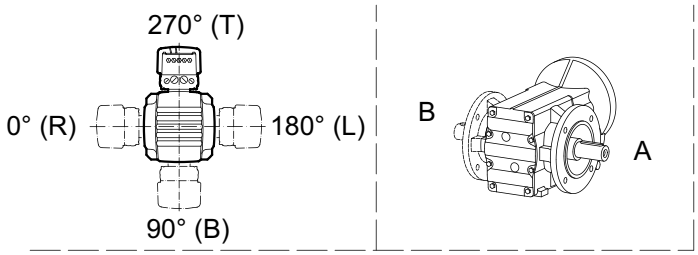
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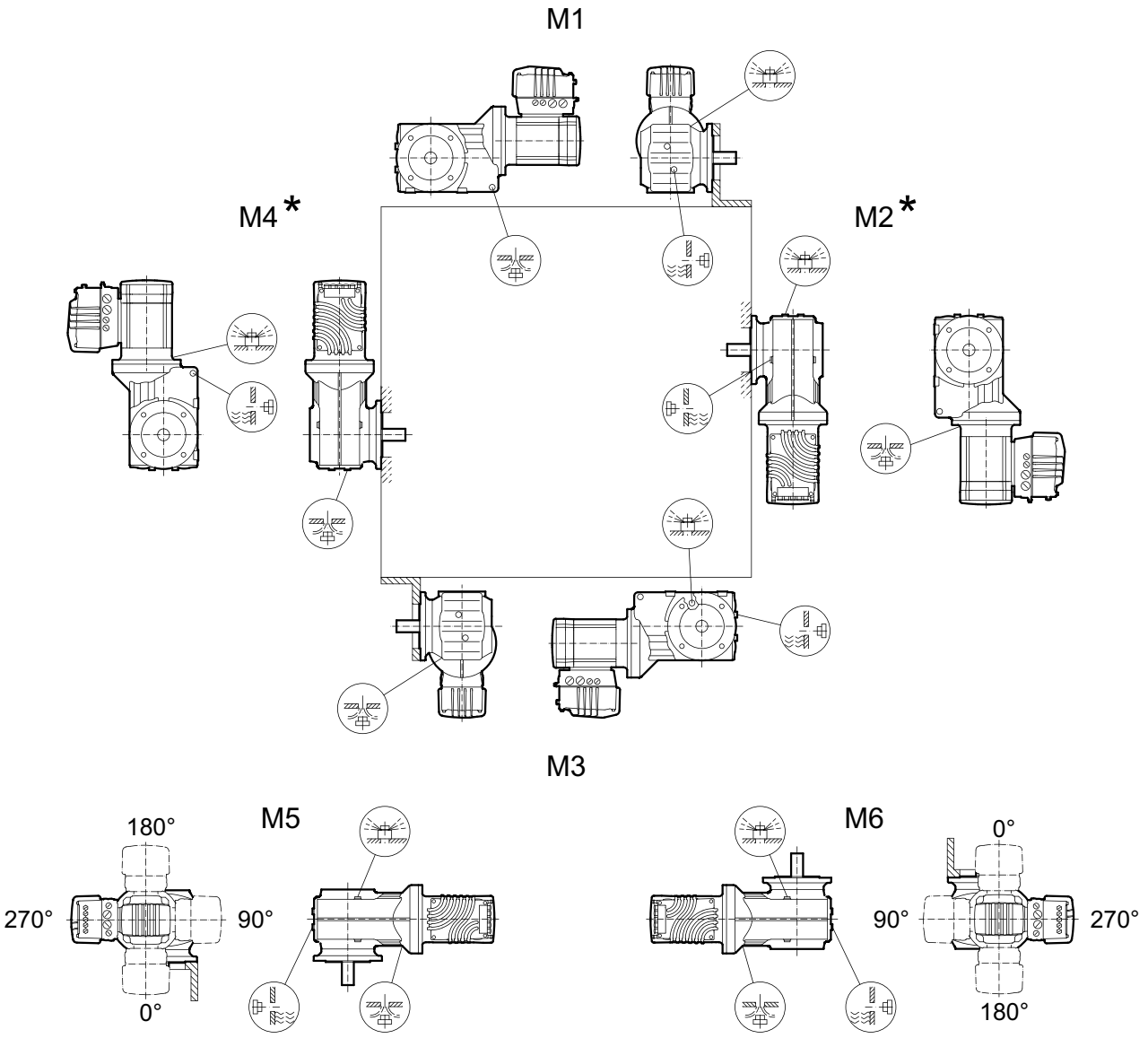
* (→ 🗎 91)

31546617/EN – 04/2026

KF/KAF/KHF39 – 49

33 190 00 20





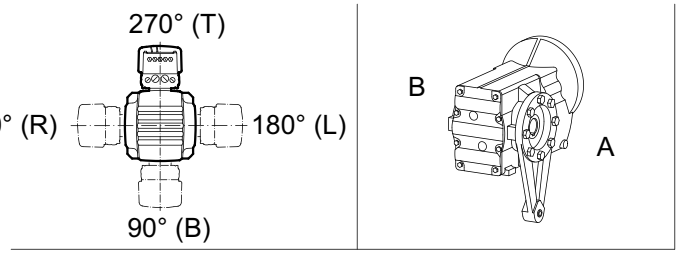
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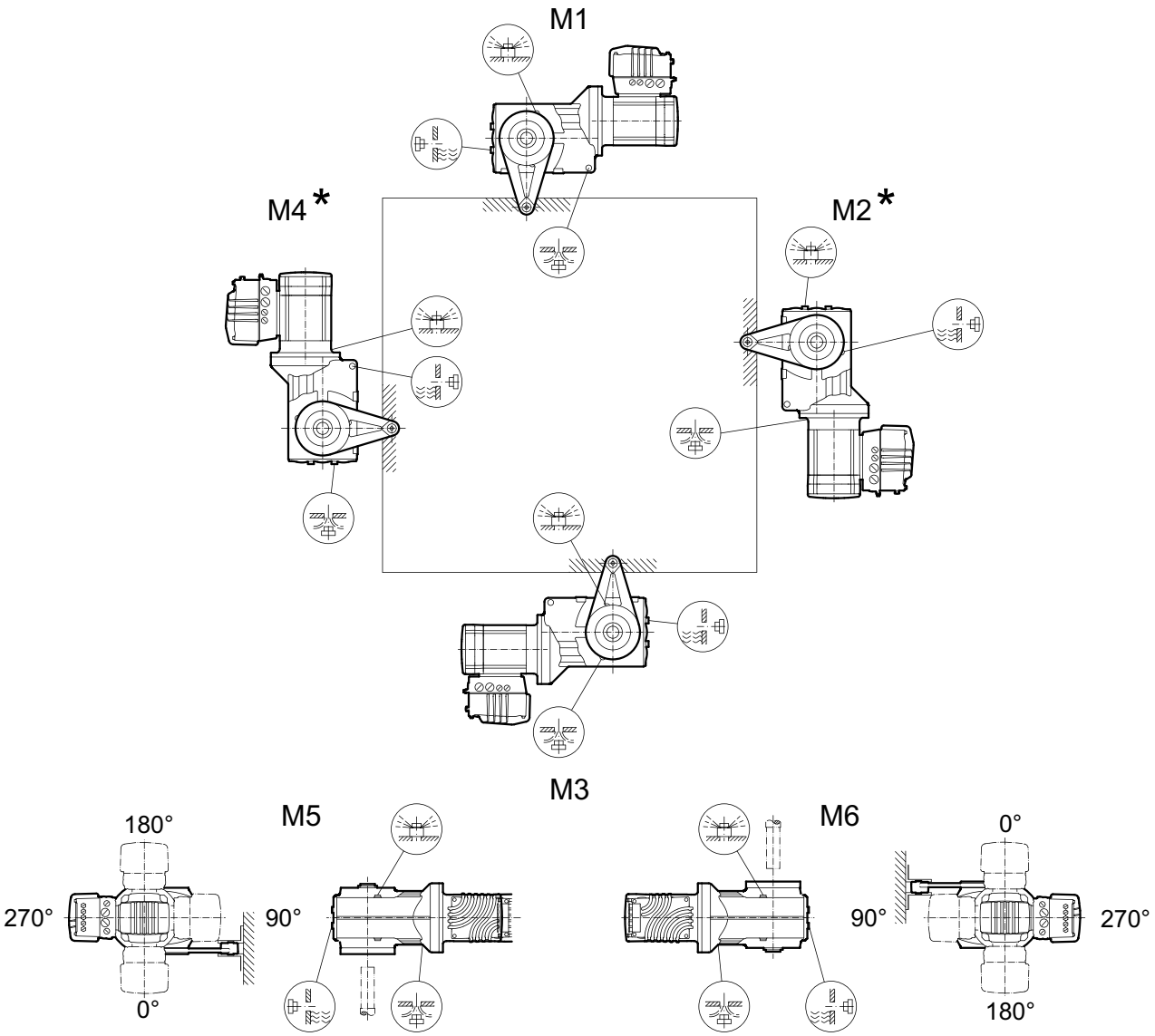
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31546617/EN – 04/2026

KA/KH/KT39 – 49

33 191 00 20





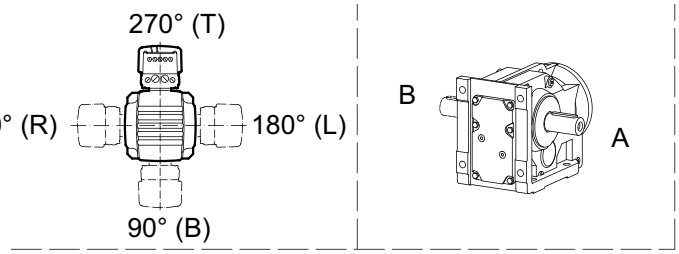
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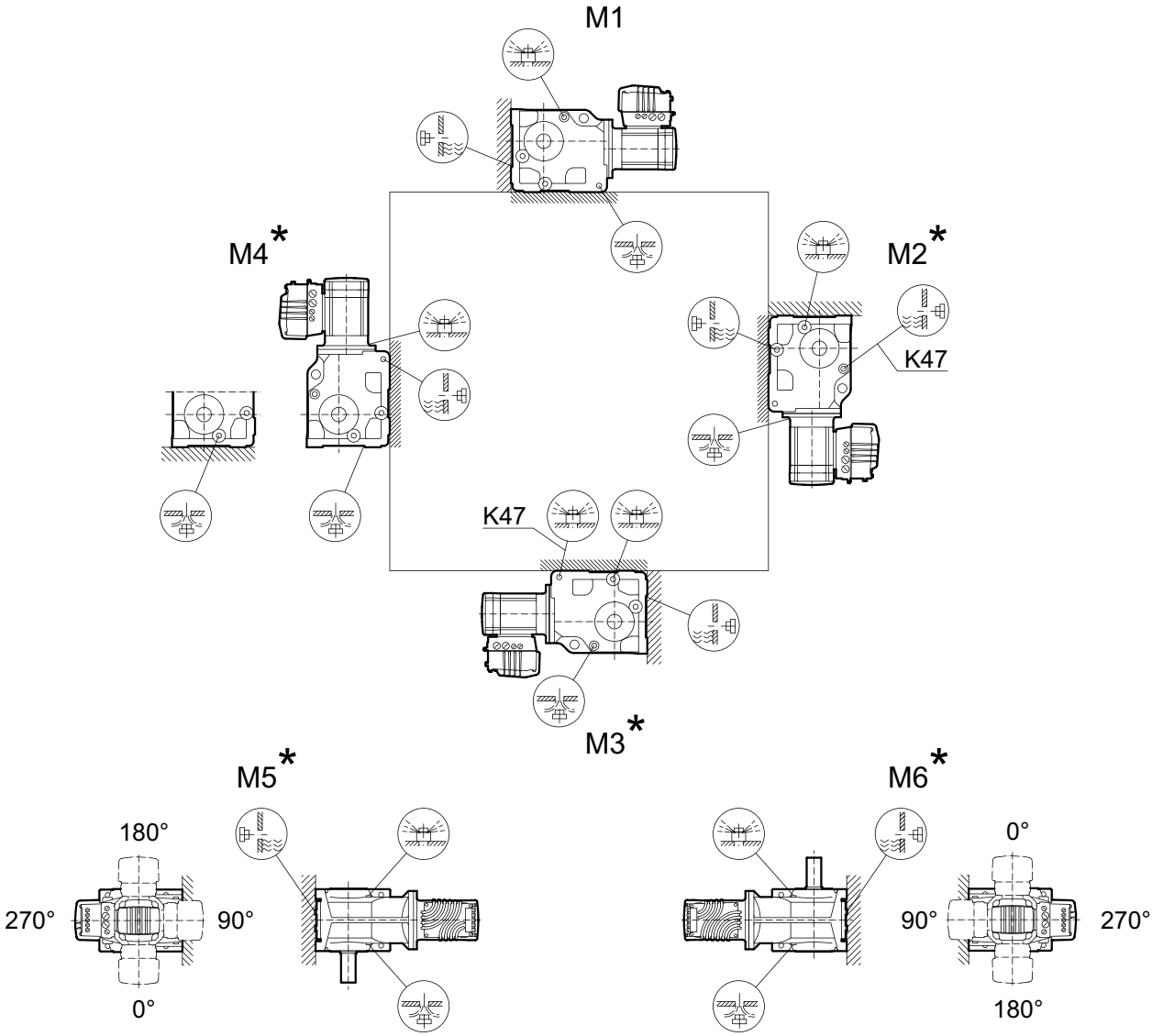
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31546617/EN – 04/2026

K/KA..B/KH..B/KV37B – 107B

33 192 00 20





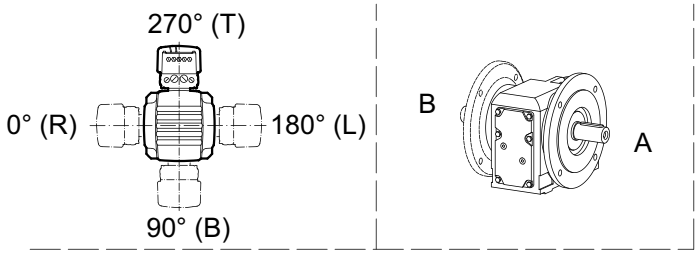
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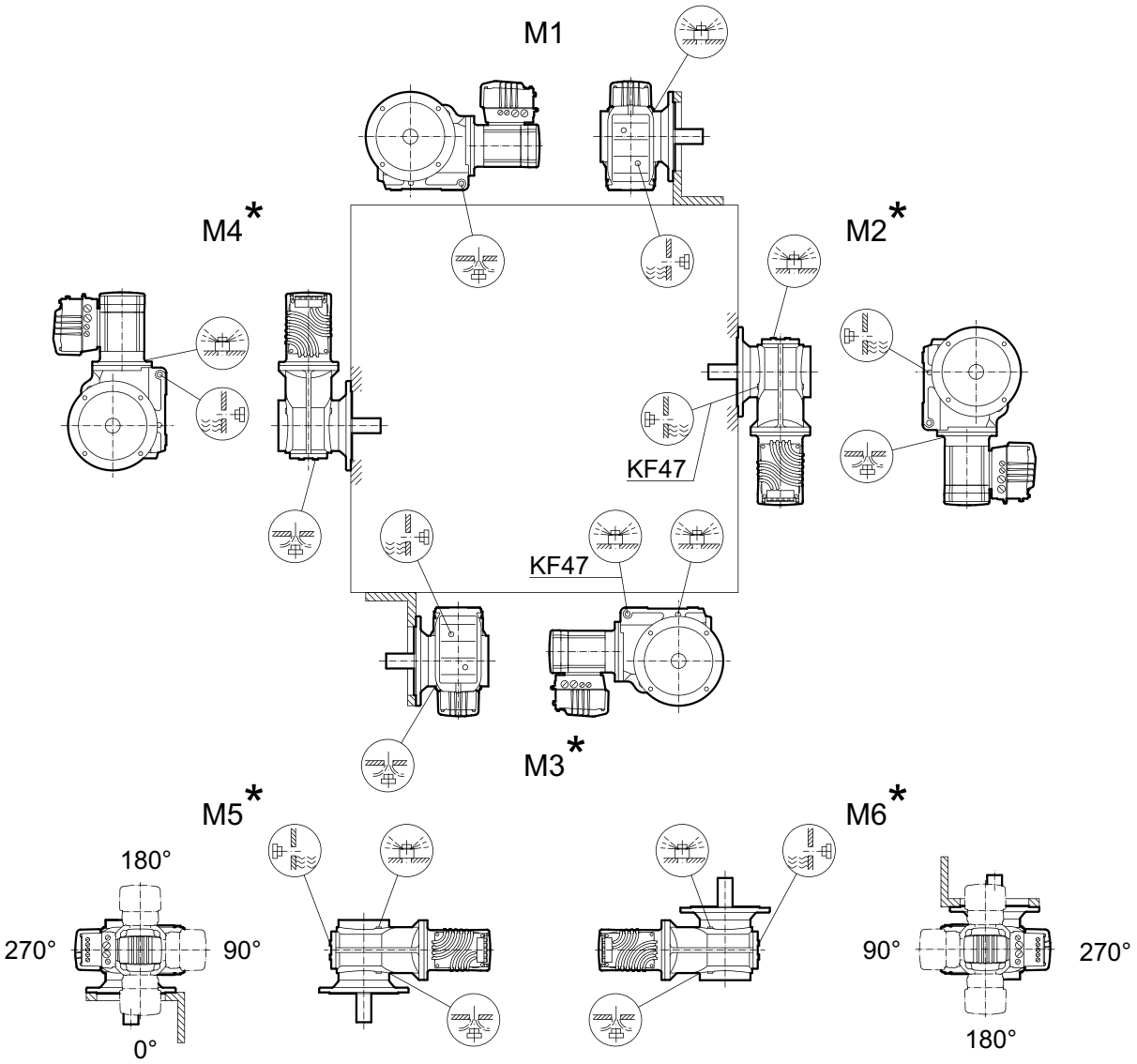
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31546617/EN – 04/2026

KF/KAF/KHF/KVF/KAZ/KHZ/KVZ37 – 107

33 193 00 20





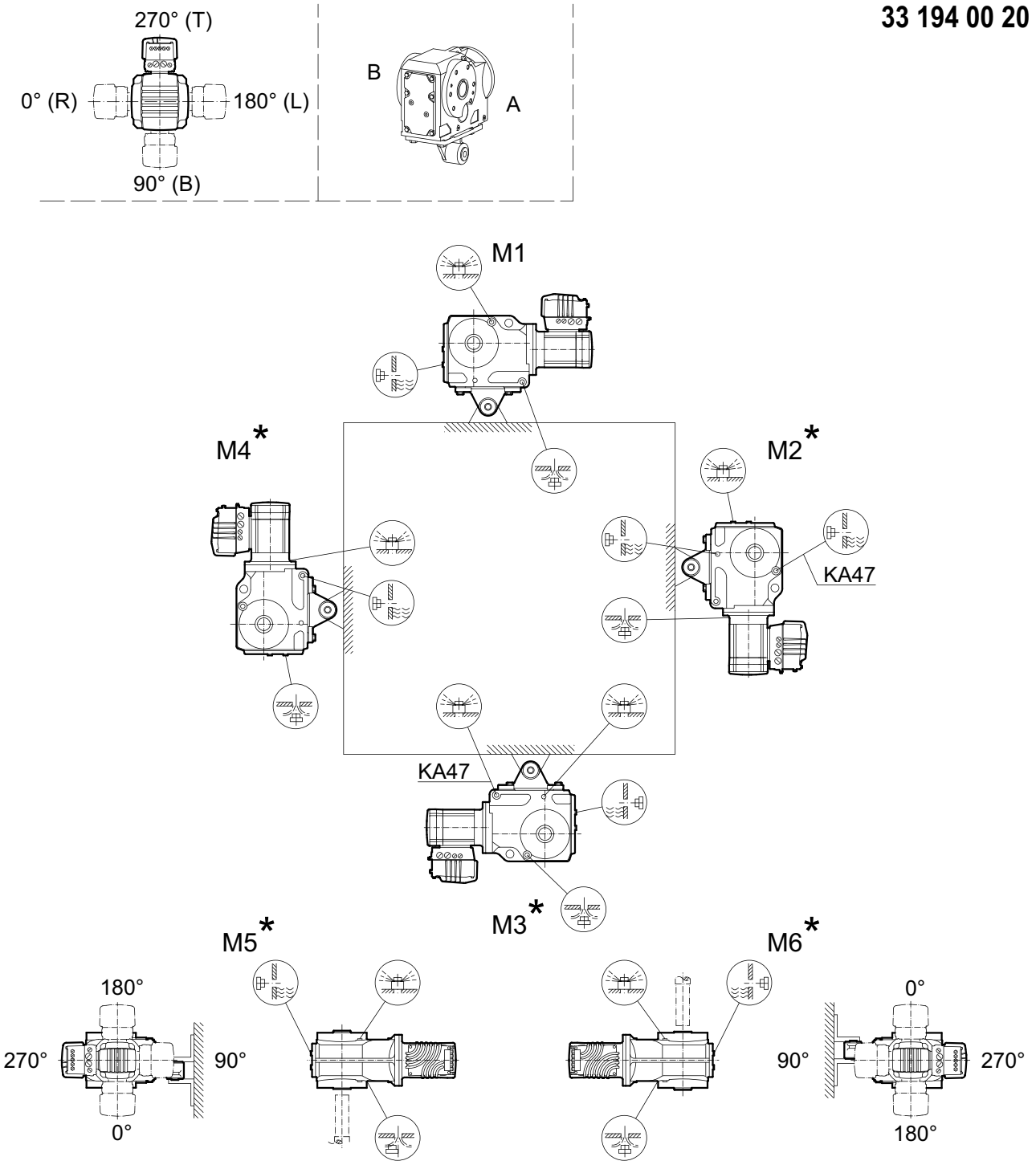
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31546617/EN – 04/2026

KA/KH/KV/KT37 – 107

33 194 00 20



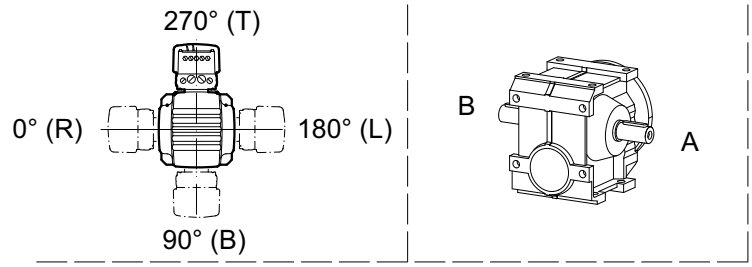
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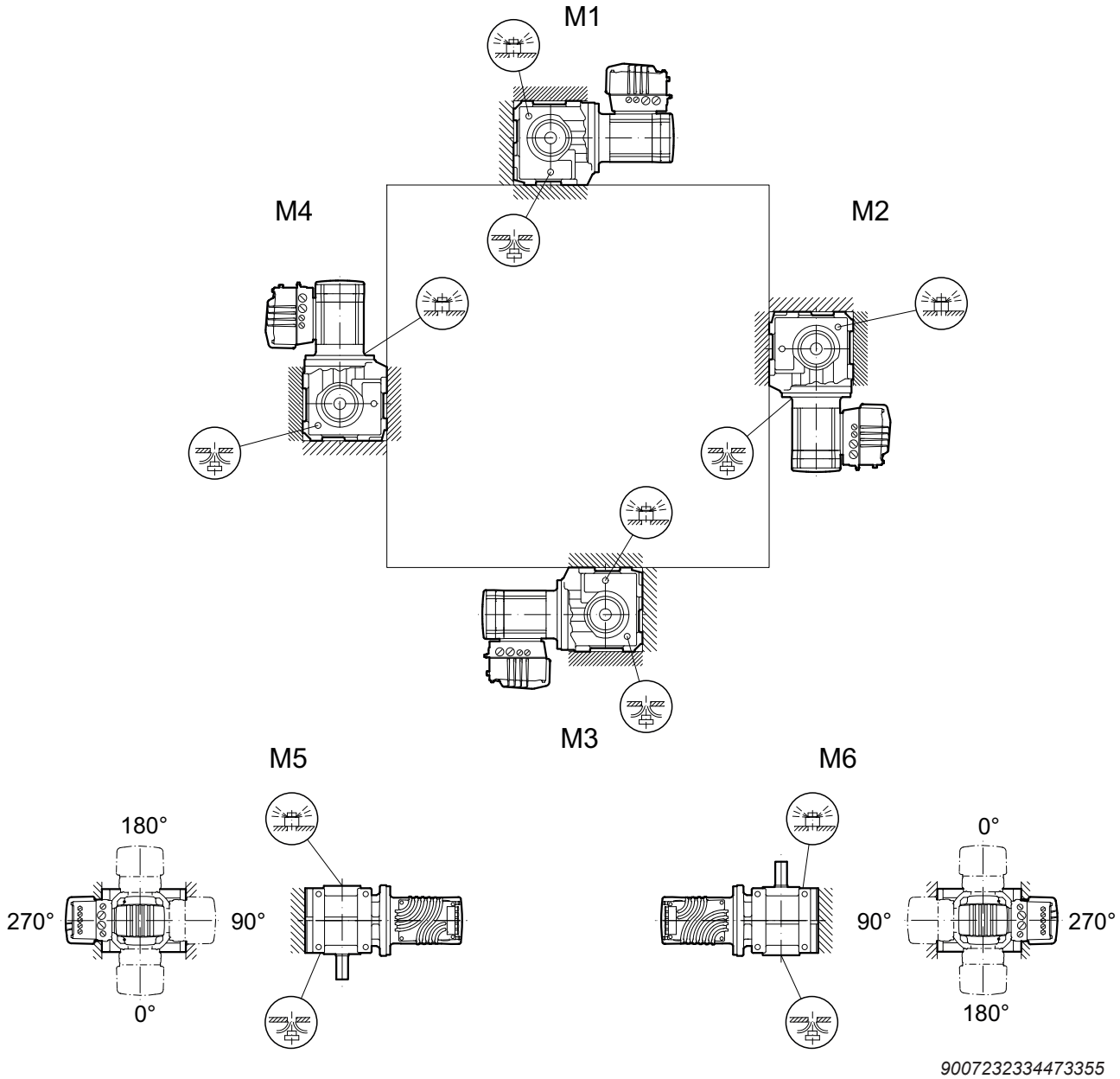
31546617/EN – 04/2026

3.4.4 Mounting positions of helical-worm gearmotors

S37



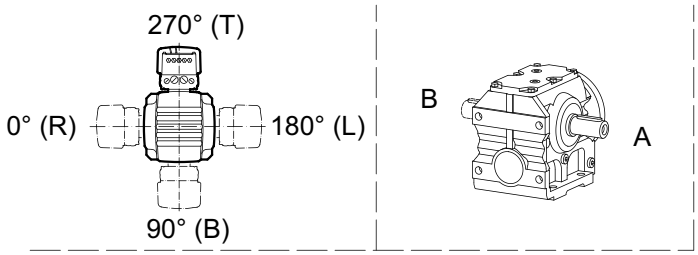
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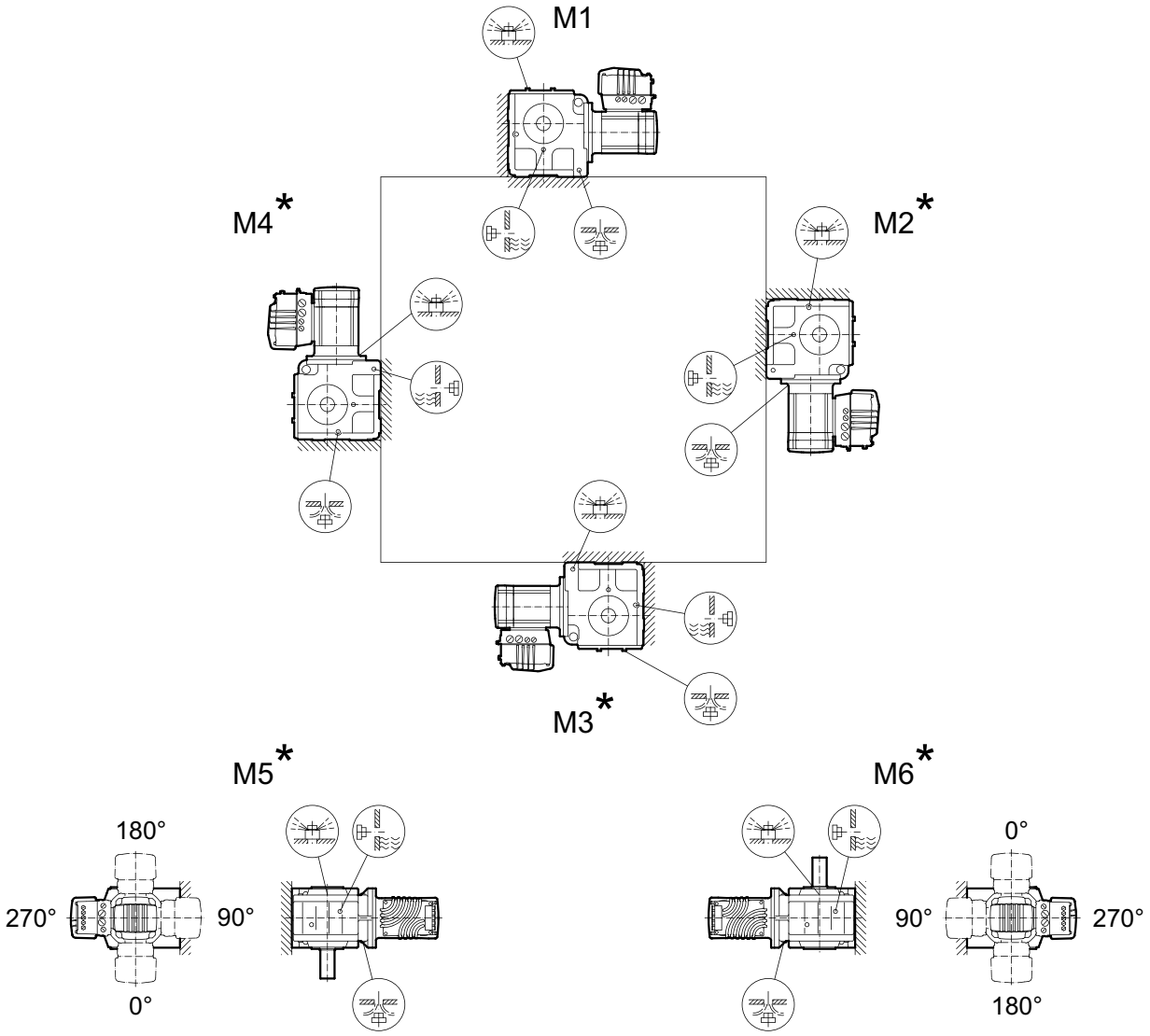


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S47 – 97

02 084 00 20





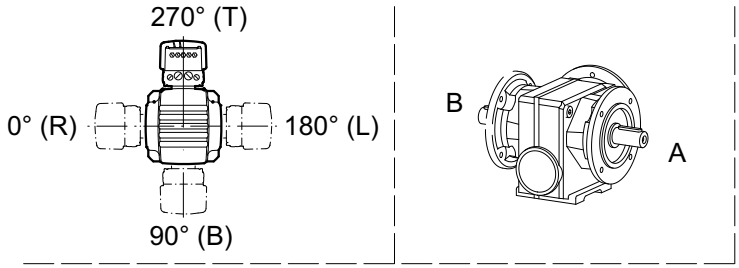
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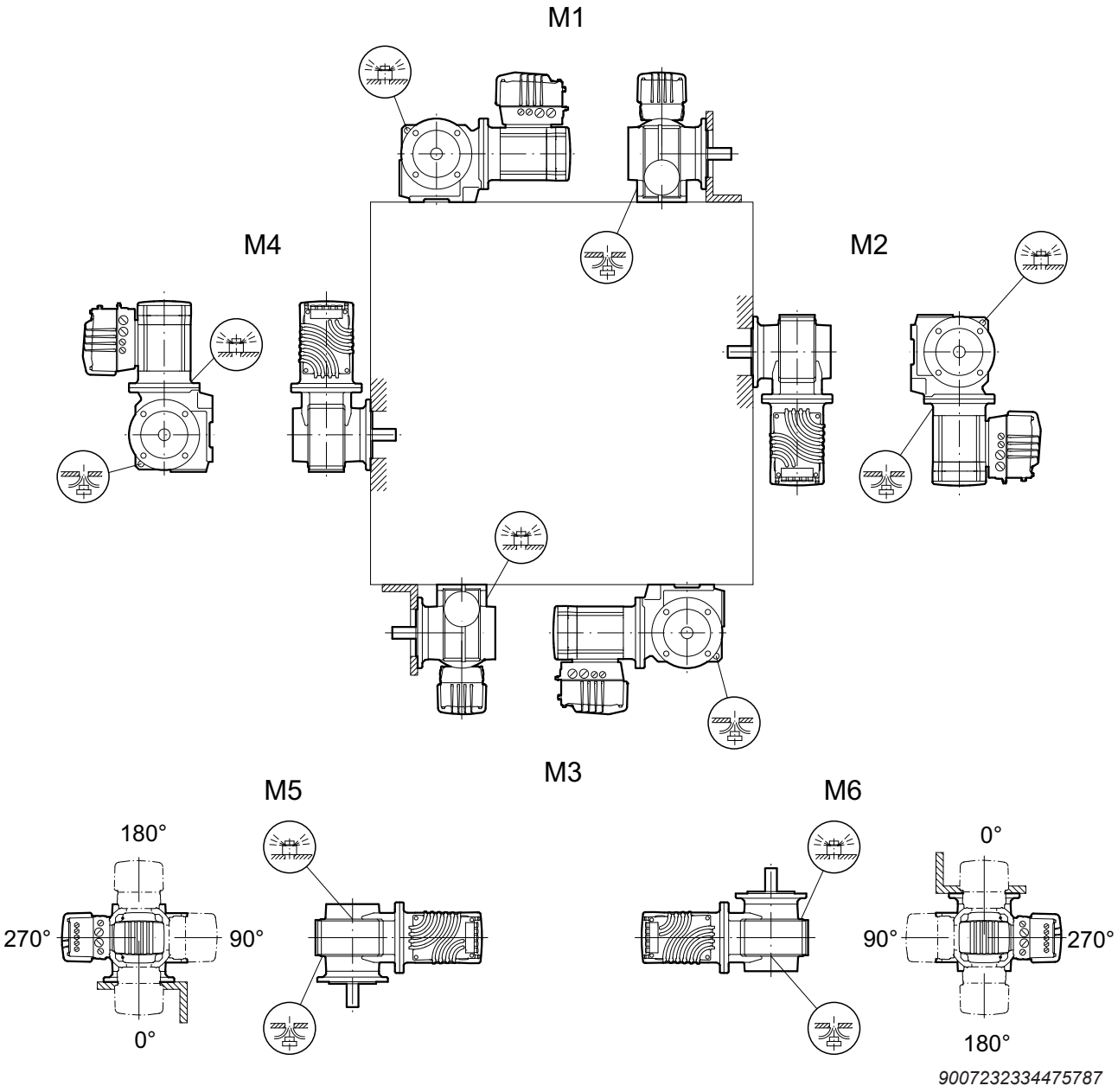
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31546617/EN – 04/2026

SF/SAF/SHF37

02 082 01 20

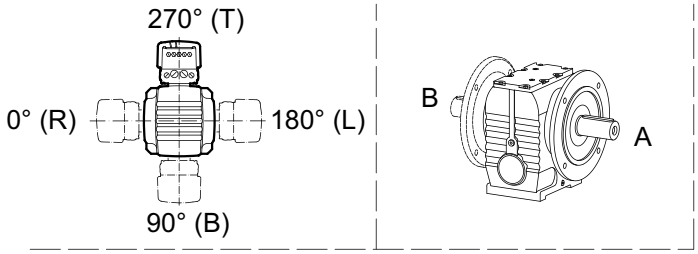


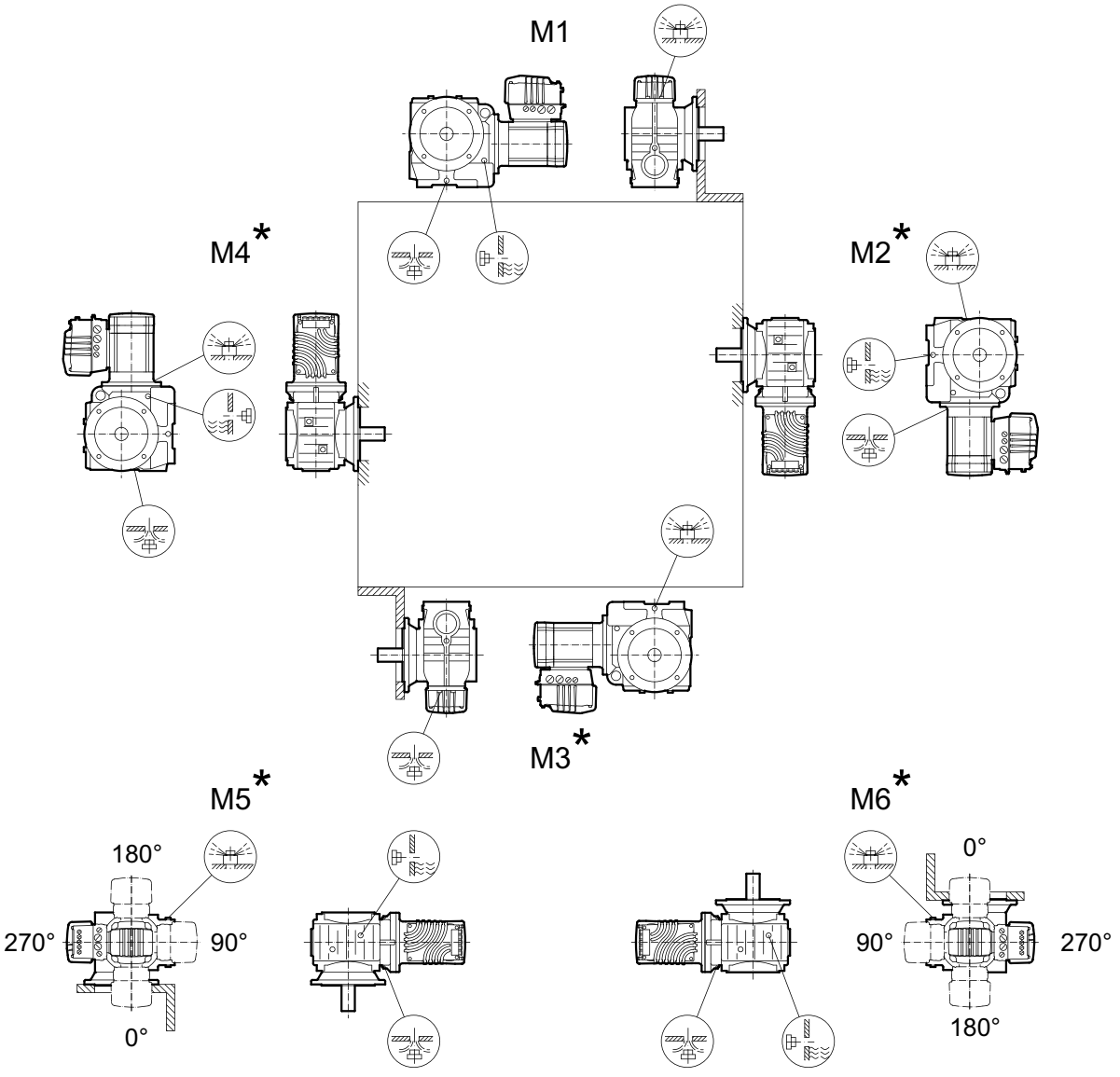


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SF/SAF/SHF/SAZ/SHZ47 – 97

02 085 00 20





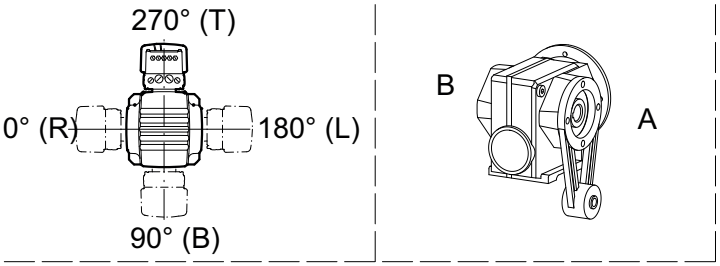
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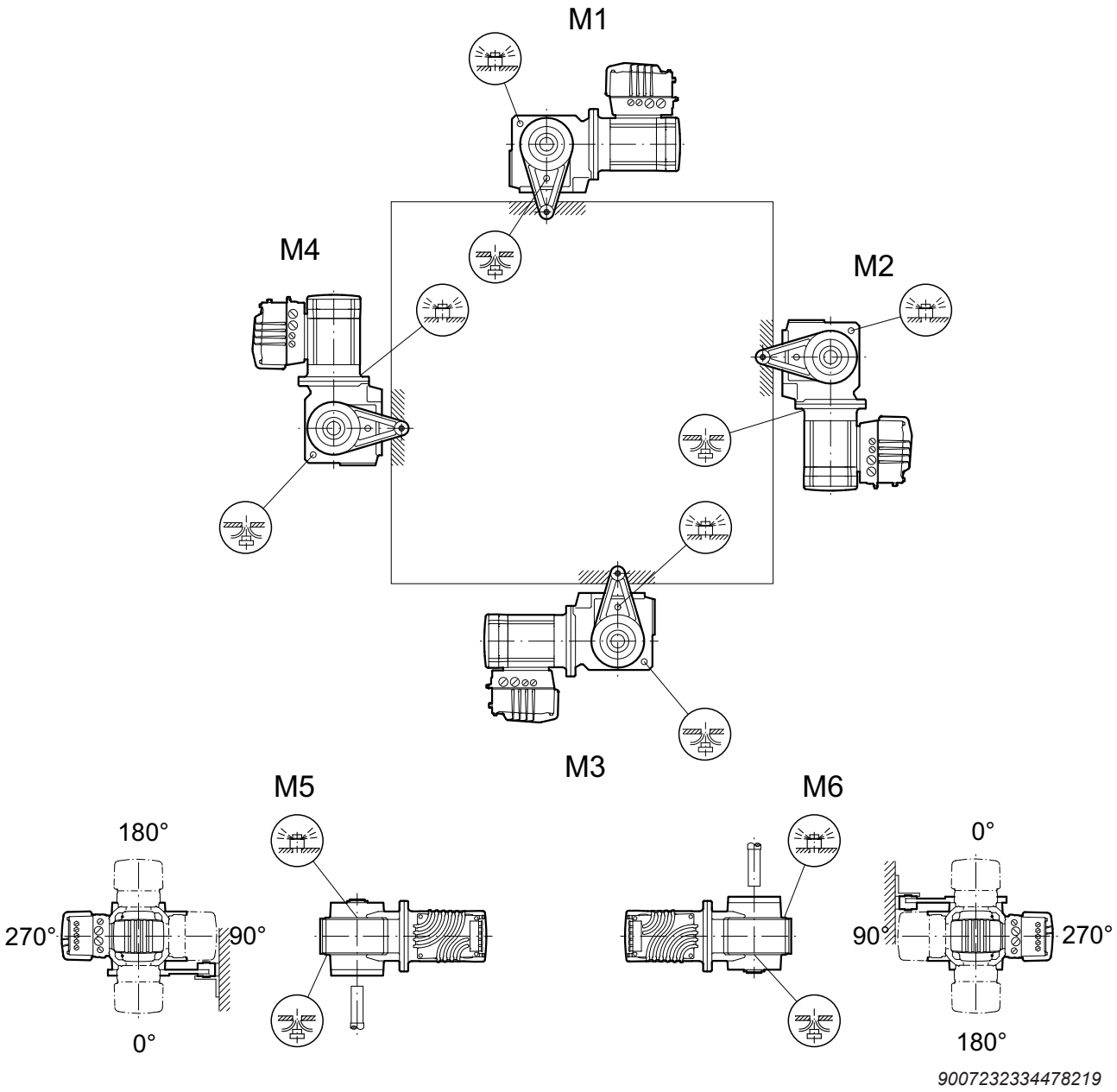
* (→ 🗎 91)

31546617/EN – 04/2026

SA/SH/ST37

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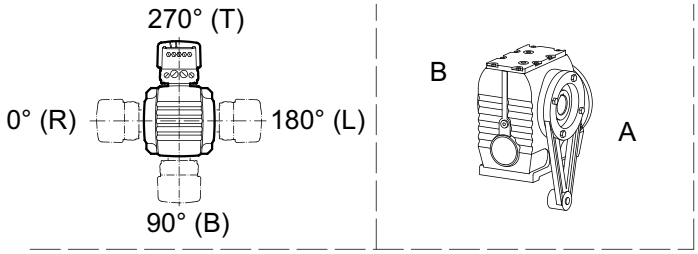


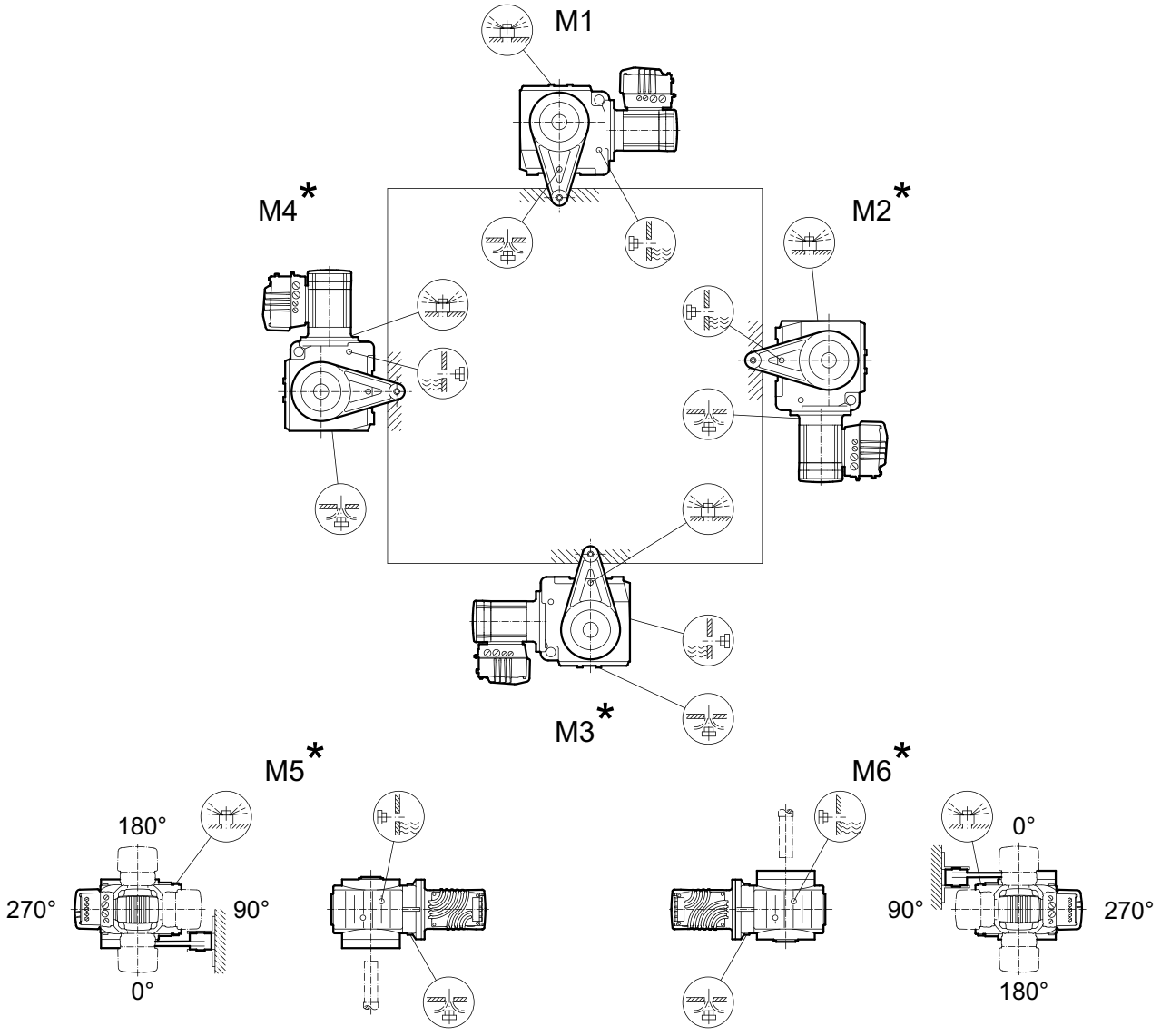


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SA/SH/ST47 – 97

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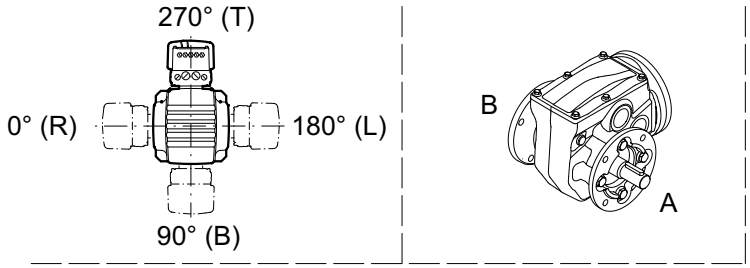
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* (→ 🗎 91)

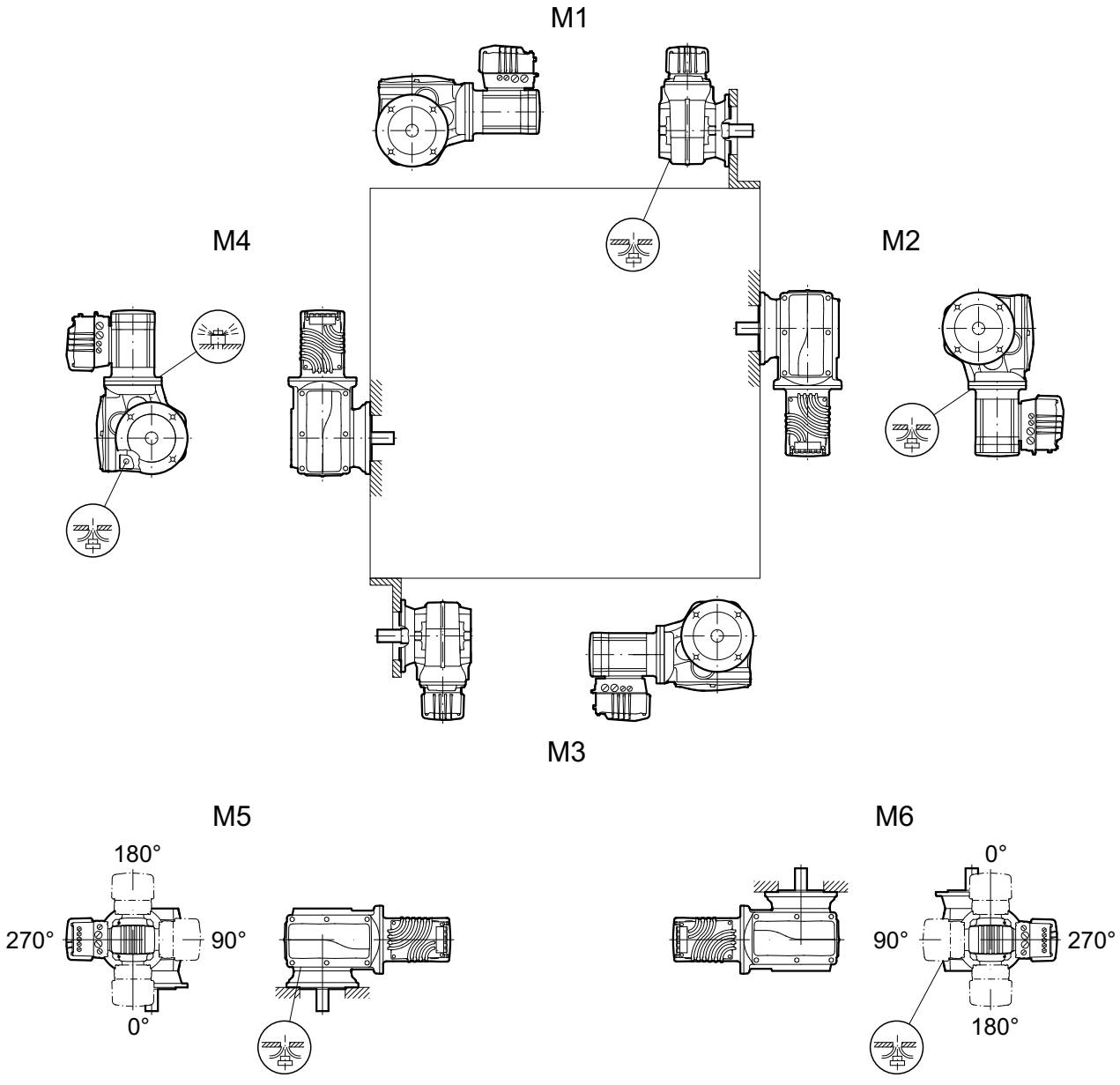
31546617/EN – 04/2026

3.4.5 Mounting positions of SPIROPLAN® gearmotors

WF/WAF/WHF49 to 59



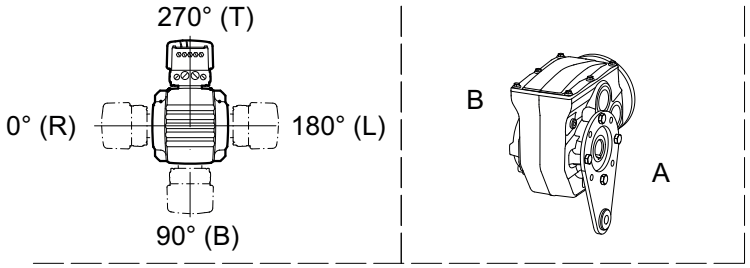
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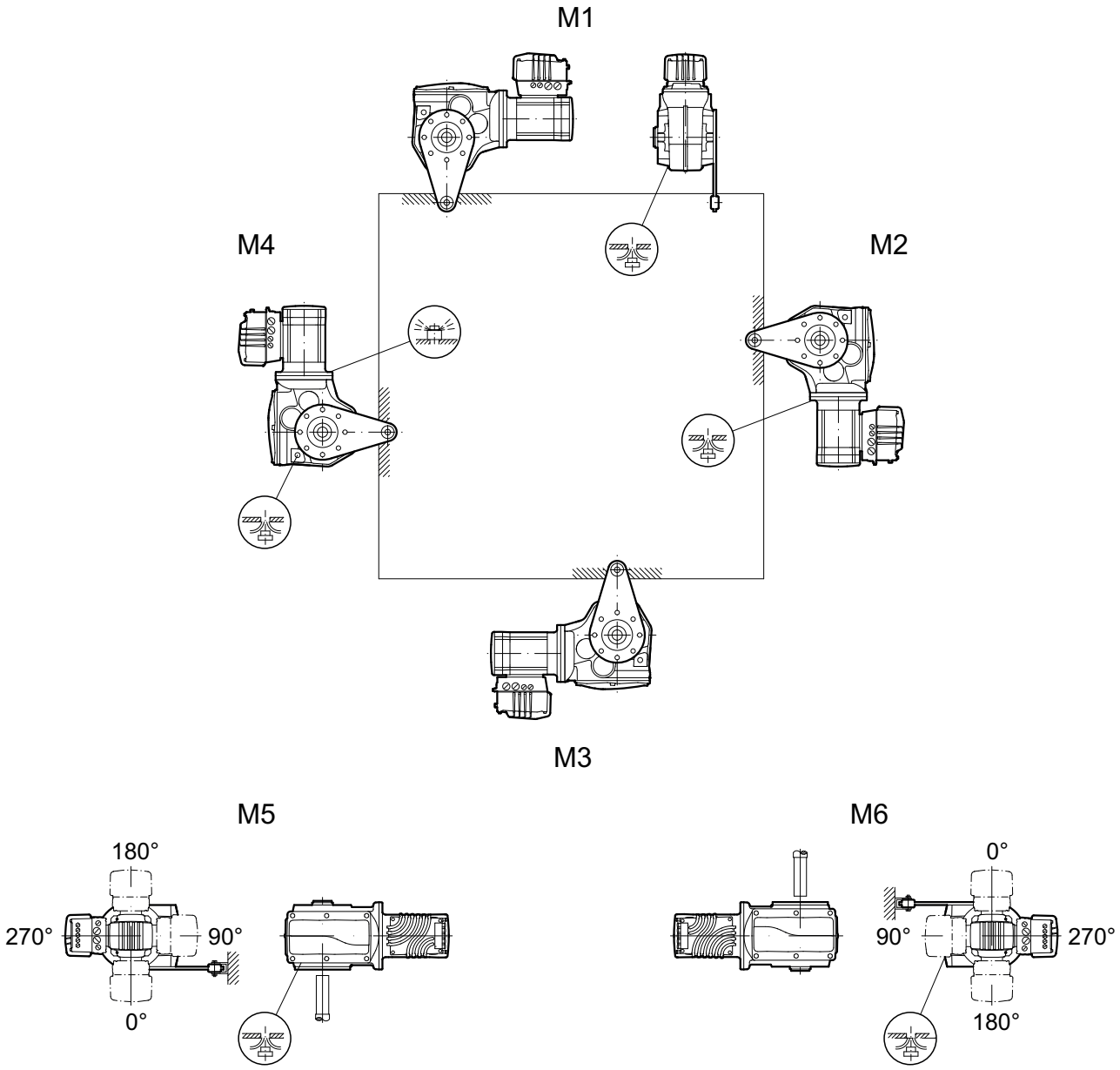
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31546617/EN – 04/2026

WA/WH/WT49 to 59



20 125 01 22



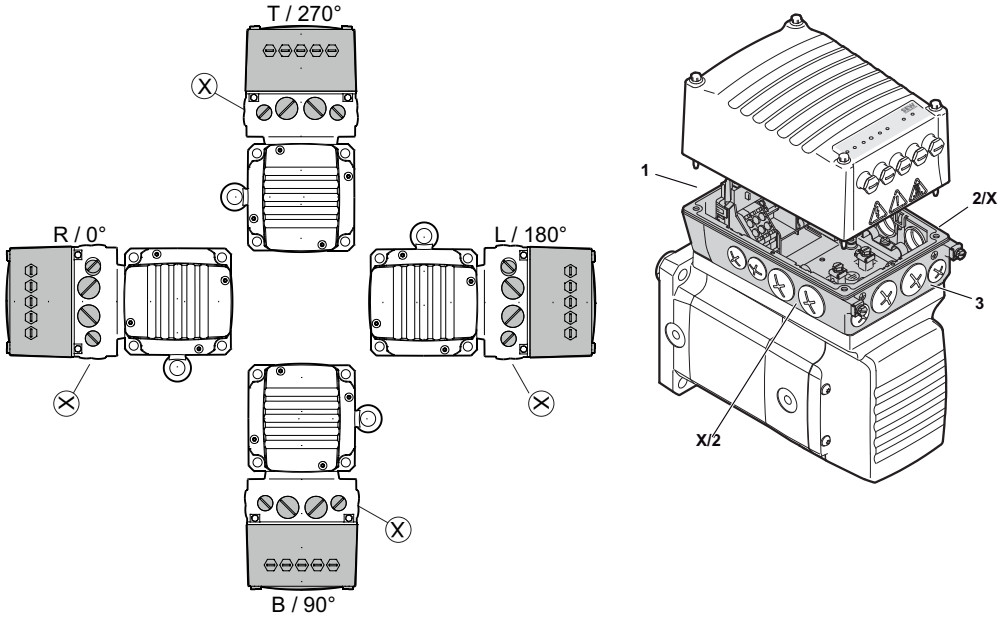
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3.5 Mounting positions of MOVIMOT® performance stand-alone motors

3.5.1 Position of electronics cover and cable entry

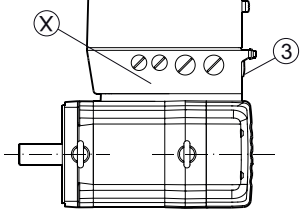
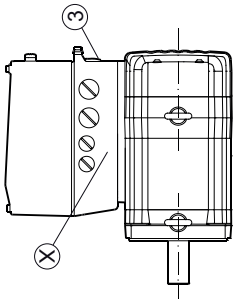
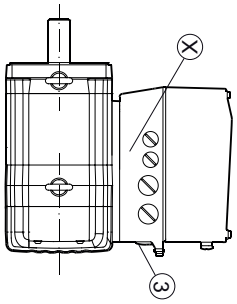
The following figure shows the mounting positions of the MOVIMOT® performance drive unit:



32997873803

3.5.2 Mounting positions

The following table shows different mounting positions of the MOVIMOT® performance stand-alone motors:

IM B5	IM V1	IM V3
		
Flange attachment	Flange mounting input end bottom	Flange mounting input end top

38793670667

4 Important information on selection tables and dimension drawings

4.1 Information on the selection tables

INFORMATION

The fields marked with ">..." mean that the maximally possible output torques have to be limited to the specified torque because the motor can overload the gear unit. The motor current I_{max} must be limited at startup.

Motor type and size

2000 min^{-1}			CM3C../D													
			80S 0032		80S 0040		80M 0040		80M 0055		100LM 0070		100LM 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
R.57 2	11	456	24	75	31	89	34	101	38	112	66	189	89	245	476	4.39
	9.9	396	28	87	35	103	39	116	44	129	76	215	102	280	519	5.05
	8.6	344	32	100	41	119	45	134	50	149	88	250	118	325	544	5.82
	7.8	312	36	110	45	131	49	147	55	164	96	275	130	360	570	6.41
	6.6	266	42	130	53	154	58	173	65	192	113	325	153	420	595	7.53
	6.3	251	44	137	56	163	61	183	69	200	120	340	162	>425	604	7.97
	5.5	221	50	156	64	185	70	205	79	230					638	9.06
	5.3	214	52	161	66	191	72	215	81	235	141	400	190	>455	629	9.35

Gear unit type and size, number of gear unit stages

n_{50} = Output speed at 50 min^{-1} motor speed

n_{2000} = Output speed at 2000 min^{-1} motor speed

M_a = Output torque in continuous duty

M_{apk} = Maximum permitted torque in short-time duty

$M_{aEmerg.Off}$ = Maximum torque for non-cyclical special loads, maximum 1000 cycles

i = Gear unit ratio ([1] = finite i)

The dark-gray fields contain preferred combinations.

For fields highlighted in light gray, contact SEW-EURODRIVE Service , reason: f_B factor < 0.5 or > 7, recalculation required.

White fields mean: Combination not possible.

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m kg		CM3C../D						
		80S 0032	80S 0040	80M 0040	80M 0055	100LM 0070	100LM 0095	
R57	 2	32	33	35	35	48	48	
R57	 3	33	34	36	36	49	49	
RF: + 3.4 kg / RM: + 15.4 kg								

m = Weight of drive unit

CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400min^{-1}		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	kg×m^2	N	N	N	N	N	N
R.57  2	4.39	280	420	475	335	4.3	1900	1900	3960	7230	7230	3730
	5.05	305	425	515	291	3.4	1730	1730	3920	7210	7210	3720
	5.82	320	425	540	254	2.7	1820	1820	3900	7210	7210	3720
	6.41	335	425	570	231	2.3	1770	1770	3870	7210	7210	3720

i = Gear unit ratio ([1] = finite i)

M_{amax} = Maximum permitted torque for continuous duty

M_{apk} = Maximum permitted torque in short-time duty

$M_{aEmergOff}$ = Maximum torque for non-cyclical special loads, maximum 1000 cycles

n_{ak} = Maximum permitted input speed for short-time duty

J_G = Mass moment of inertia of the gear unit

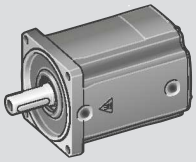
F_{Ramax} = Maximum permitted overhung load at the output shaft for continuous duty, load application point at the center of the shaft end

F_{Rapk} = Maximum permitted overhung load at the output shaft for short-time duty, load application point at the center of the shaft end

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4.2 Motor assignment of MOVIMOT® performance

The following table shows the available assignment variants of MOVIMOT® performance:

Motor type 		Decentralized inverter (electronics cover)						
		Size 1 without cooling fins 			Size 1 with cooling fins 		Size 2 with cooling fins 	
	I_N	2.0 A	2.5 A	3.2 A	4.0 A	5.5 A	7.0 A	9.5 A
		0020	0025	0032	0040	0055	0070	0095
CM3C80S	P_N	0.75 kW	0.94 kW	1.19 kW	1.51 kW			
CM3C80M					1.68 kW	1.88 kW		
CM3C100LM							3.14 kW	4.19 kW

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4.3 Dimension sheet information

4.3.1 Symbols for scope of delivery

The scope of delivery is indicated in the dimension sheets using the following shapes:



Standard parts supplied by SEW-EURODRIVE.



Standard parts not supplied by SEW-EURODRIVE.

Decentralized inverter

The power of the decentralized inverters is shown in the dimension sheets as follows:

Identification	Drive unit	
In the dimension sheets	Motor type	Inverter design
80S..0020	CM3C80S	Size 1 without cooling fins
80S..0025	CM3C80S	
80S..0032	CM3C80S	
80S..0040	CM3C80S	Size 1 with cooling fins
80M..0040	CM3C80M	
80M..0055	CM3C80M	
100LM..0070	CM3C100LM	Size 2 with cooling fins
100LM..0095	CM3C100LM	

4.3.2 Tolerances

Shaft heights

The following tolerances apply to the specified dimensions:

- h ≤ 250 mm → -0.5 mm
- h > 250 mm → -1 mm

Foot-mounted gear unit: The mounted motor could protrude under the mounting surface, check.

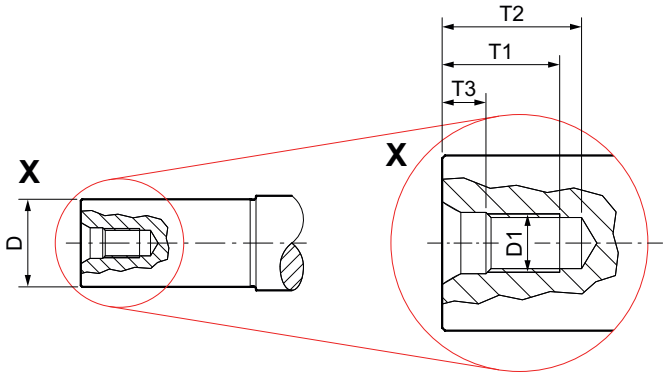
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Shaft ends

Diameter tolerance:

- Ø ≤ 50 mm → ISO k6
- Ø > 50 mm → ISO m6

Center holes according to DIN 332, shape DR:



27021629225312779

D	D1	T1 +2/0	T2 min	T3 +1/0
13 < D ≤ 16	M5	12.5	17	4
16 < D ≤ 21	M6	16	21	5
21 < D ≤ 24	M8	19	25	6
24 < D ≤ 30	M10	22	30	7.5
30 < D ≤ 38	M12	28	37	9.5
38 < D ≤ 50	M16	36	45	12
50 < D ≤ 85	M20	42	53	15
85 < D ≤ 130	M24	50	63	18
130 < D ≤ 225	M30	63	85	20

Keys: according to DIN 6885 (domed type)

Keyway width to ISO N9

Hollow shafts

Diameter tolerance:

Ø → ISO H7 measured with plug gauge

Keys: according to DIN 6885 (domed type)

Exception: Key for WA.37 with shaft Ø 25 mm and for KA.29 with shaft Ø 30 mm according to DIN 6885-3 (low form)

Keyway width to ISO JS9

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Multiple-spline shafts

D_m Measuring roller diameter

M_e Check size

The fit of the hollow shafts with splined hollow shaft is 9H.

The assumed fit of the customer shaft in the dimension sheets of the catalog is 7d.

The fit pair 9H/7d specified in the dimension sheets is a clearance fit. Depending on the application requirements, it is the customer's responsibility to choose another fit pair and to manufacture the customer shaft accordingly.

Flanges

Centering shoulder tolerance:

Ø ≤ 230 mm (flange sizes A120 – A300) → ISO j6

Ø > 230 mm (flange sizes A350 – A660) → ISO h6

For helical gear units, SPIROPLAN® right-angle gear units, AC (brake) motors and explosion-protected AC (brake) motors, up to 3 different flange dimensions are available per size. The mountable flange for each size can be found in the respective dimension sheets.

4.3.3 Breather valves

The gear unit dimension drawings are always shown with screw plugs. Depending on the mounting position ordered (M1 to M6), the corresponding screw plug is replaced with an activated breather valve at the factory. As a result, the contour dimensions can change slightly.

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4.3.4 Eyebolts, lifting eyes

The following gear units and motors are delivered without a special transportation fixture:

- R..07 – R..27
- K..167 – K..187
- W..10 – W..30
- Motors ≤ DR..90

All other gear units and motors are equipped with cast-on lifting eyes, screw-on lifting eyes, or screw-on lifting eyebolts.

Gear unit/motor type	Removable		Cast-on lifting eyes
	eyebolts	lifting eyes	
R..37 – R..57	—	✓	—
R..67 – R..167	✓	—	—
RX57/RX67	—	✓	—
RX77 – RX107	✓	—	—
F..27 – F..157	—	—	✓
K..19 – K..49	—	✓	—
K..37 – K..157	—	—	✓
S..37/S47	—	✓	—
S..47 – S..97	—	—	✓
W..19 – W..59	—	✓	—
≥ (E)DRN100LS	✓	—	—

✓ = present, — = not present

4.3.5 Shrink disk connection

To non-positively transfer the torques specified in the catalog in hollow-shaft gear units with a shrink-disk connection, observe the following boundary conditions in addition to the information given in the respective dimension sheet when designing the customer shaft:

- Surface roughness R_z ≤ 16 µm
- Elastic limit of the customer shaft material R_e and/or $Rp_{0.2}$ ≥ 305 N/mm²
- Design of the customer shaft as solid shaft

If the customer shaft is designed as a hollow shaft, contact SEW-EURODRIVE.

4.3.6 Splined hollow shaft

FV.. hollow shaft gear unit sizes 27 to 107, and KV.. sizes 37 to 107 are supplied with splining according to standard DIN 5480.

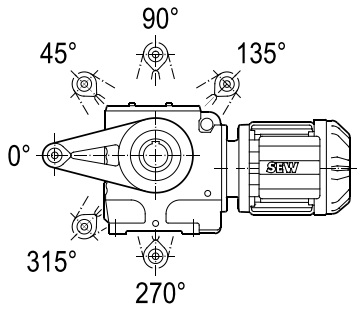
31546617/EN – 04/2026

4.3.7 Rubber buffer for FA/FH/FV/FT

The depictions on the dimension sheets show the rubber buffers for FA/FH/FV/FT gear units in loose state. The rubber buffers must be preloaded by the specified value ΔL, respectively. The spring characteristic curve of the rubber buffers is available from SEW-EURODRIVE on request.

4.3.8 Torque arm position

The following figure shows the possible positions of the torque arm for helical-worm gear units, 2-stage helical-bevel gear units K..9, and SPIROPLAN® gear units as well as the associated angle specifications:



18014403492200459

The 135° position is not possible with all SPIROPLAN® gear units.

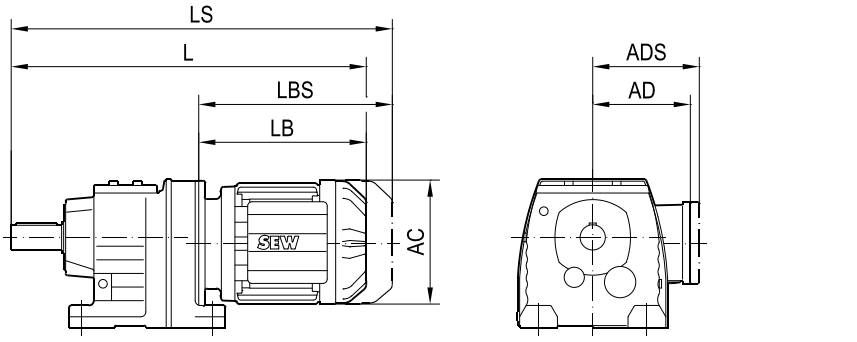
In addition, the 90° position is not possible with SPIROPLAN® gear units W..29 and W..39.

For more information about torque arms, refer to the respective dimension sheets of the gearmotors.

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4.3.9 Gearmotor dimension drawings

The dimension designations of the gearmotors are described below:



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L Total length of gearmotor
LB Length of motor
LBS Length of brakemotor
LS Total length of gearmotor including brake
AC Square dimension of the motor
AD Center of motor shaft to top edge of terminal box
ADS Center of brakemotor shaft to top edge of terminal box

The motor dimensions may change when installing motor options. Refer to the dimension drawings of the motor options in the "AC Motors" catalog.

Note that the terminal box dimensions of special designs may differ from the standard.

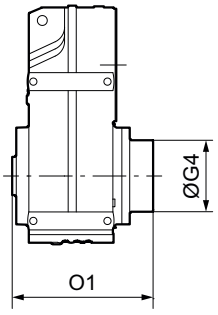
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4.3.10 Gear unit dimensions with reinforced bearings

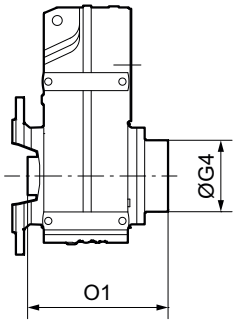
With the exception of the FA./FH.87 and FA./FH.97 gear units, the dimensions of the gear units with advanced bearing arrangement are identical to those of the gear units with standard bearings.

The following dimension drawings show the differing dimensions of FA./FH.87 and FA./FH.97 gear units with advanced bearing arrangement:

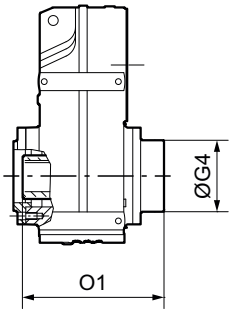
FH..
FH..B

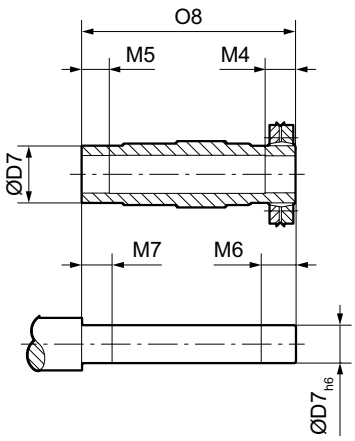


FHF..



FHZ..

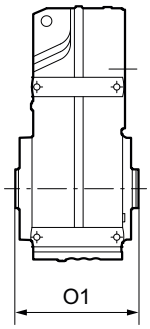




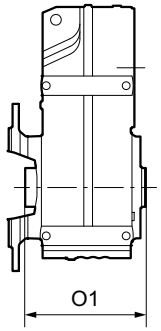
Type	Dimensions in mm								
	D6	D7	G4	M4	M5	M6	M7	O1	O8
FH.87	Ø 65 $_{h6}$	Ø 85	Ø 163	41	40	46	45	312.5	299.5
FH.97	Ø 75 $_{h6}$	Ø 95	Ø 184	55	50	60	55	382.5	367

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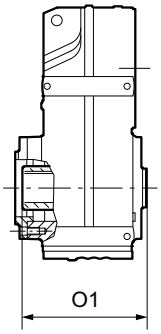
FA..
FA..B

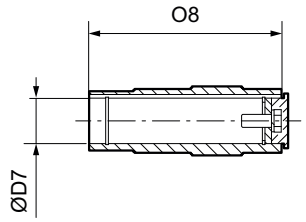


FAF..



FAZ..





Type	Dimensions in mm		
	D7	O1	O8
FA.87	Ø 60 H7	256.5	244
FA.97	Ø 70 H7	318	303.5

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4.3.11 Gear unit dimensions in reduced-backlash designs

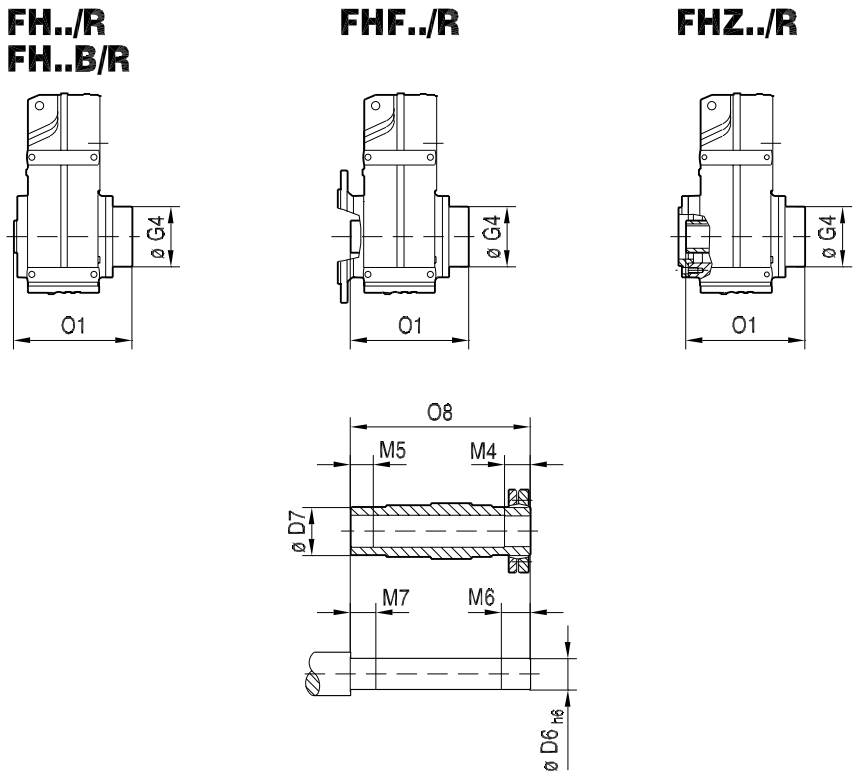
The reduced backlash design is possible for the following gear units:

- Helical gear units (R) of gear unit sizes 37 to 167
- Parallel-shaft helical gear units (F) of gear unit sizes 37 to 157
- Helical-bevel gear units (only K..7) of gear unit sizes 37 to 187

With the exception of reduced backlash parallel-shaft helical gear units FH.87 and FH.97, the dimensions of low-backlash gear units are identical with the dimensions of the standard designs.

The following figure shows the deviating dimensions of the reduced backlash gear units FH.87 and FH.97:

42 020 00 09



9007205899247883

Type	Dimensions in mm								
	D6	D7	G4	M4	M5	M6	M7	O1	O8
FH.87/R	Ø 65 $_{h6}$	Ø 85	Ø 163	41	40	46	45	312.5	299.5
FH.97/R	Ø 75 $_{h6}$	Ø 95	Ø 184	55	50	60	55	382.5	367

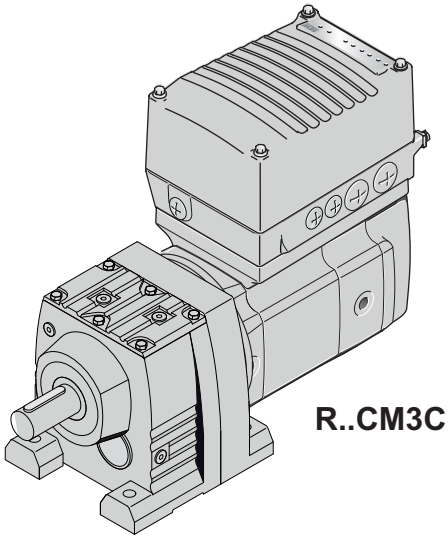
4.3.12 Motor options

The motor dimensions may change when installing motor options. Refer to the dimension drawings of the motor options in the "AC Motors" catalog.

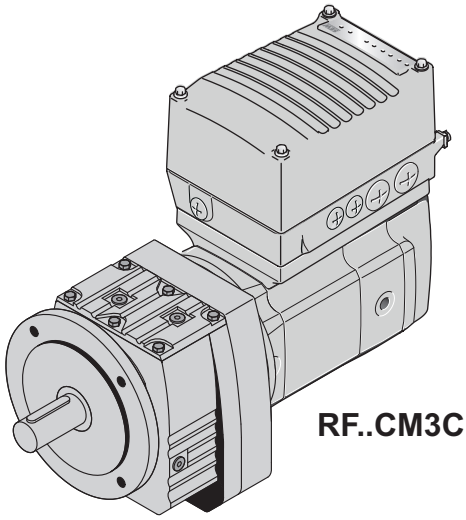
4.3.13 Special designs

The terminal box dimensions in special designs might vary from the standard.

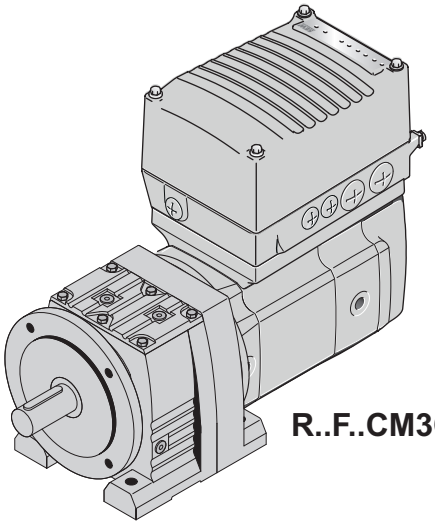
5 R..CM3C../D.. helical gearmotors



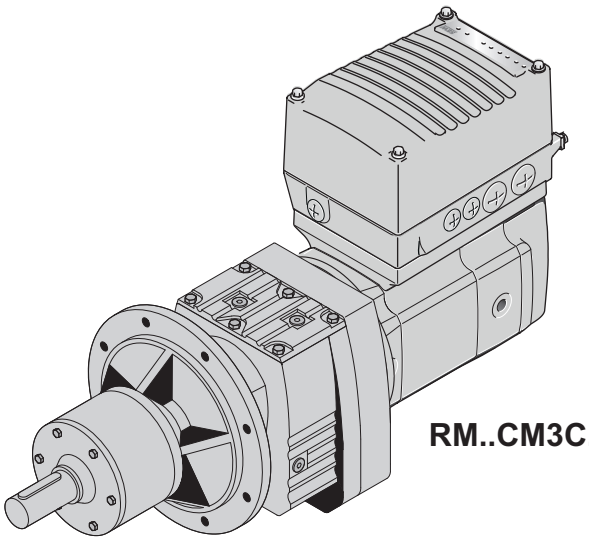
R..CM3C../D..



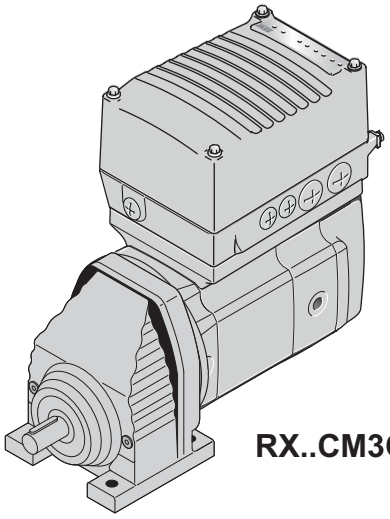
RF..CM3C../D..



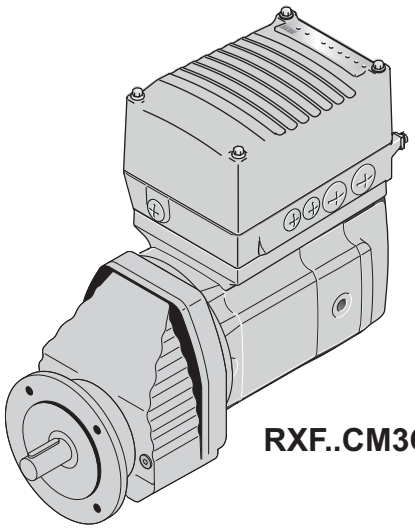
R..F..CM3C../D..



RM..CM3C../D..



RX..CM3C../D..



RXF..CM3C../D..

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SEW EURODRIVE

5.1 RX..CM3C.. selection tables

			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
RX57 1	38	1540	4.0	13	5.0	17	7.0	22	9.0	26	10	30	11	33	107	1.30
	34	1350	5.0	15	6.0	19	8.0	25	10	30	11	34	13	38	116	1.48
	30	1210	5.0	17	7.0	21	9.0	28	11	34	12	38	14	42	117	1.65
	26	1040	6.0	20	8.0	25	10	33	13	39	15	44	16	49	117	1.92
	25	980	7.0	21	8.0	27	11	35	14	42	15	47	17	52	117	2.04
	21	844	8.0	25	10	31	13	41	16	49	18	55	20	61	117	2.37
	19	758	9.0	28	11	35	15	46	18	54	20	61	23	68	117	2.64
	17	687													114	2.91
	16	637	11	33	13	41	17	54	22	64					111	3.14
	14	563													117	3.55
	13	528													117	3.79
	11	460													116	4.35
	9.9	394													61	5.07
	9.1	364													66	5.50

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
RX57	1	24	24	24	24	27	27	
RXF: + 1.9 kg								

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_G 10^{-4}	RX	RXF	RX	RXF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
RX57 1	1.30	63	90	107	1154	1.9	132	132	3940	3940
	1.48	68	90	116	1014	1.4	112	112	3950	3950
	1.65	69	90	117	1091	1.2	430	430	3960	3960
	1.92	69	90	117	1250	0.94	880	880	3970	3970
	2.04	69	90	117	1324	0.85	1070	1070	3970	3970
	2.37	69	90	117	1477	0.64	1500	1500	3980	3980
	2.64	69	90	117	1629	0.55	1810	1810	3980	3980
	2.91	67	90	114	1856	0.44	2170	2170	3980	3980
	3.14	65	90	111	2197	0.42	2320	2320	3990	3990
	3.55	69	90	117	1972	0.35	2420	2420	3990	3990
	3.79	69	90	117	1847	0.32	2480	2480	3990	3990
	4.35	68	90	116	1609	0.26	2640	2640	4000	4000
	5.07	36	54	61	1381	0.21	3030	3030	4210	4210
	5.50	39	58	66	1273	0.18	3100	3100	4190	4190

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
RX67 1	36	1430	4.0	15	6.0	18	8.0	24	10	29	11	32	12	36	177	1.40
	31	1240	5.0	17	7.0	21	9.0	28	11	33	12	37	14	42	194	1.61
	27	1075	6.0	20	8.0	25	10	32	13	38	14	43	16	48	214	1.86
	25	980	7.0	22	9.0	27	11	35	14	42	16	48	18	53	228	2.04
	21	833	8.0	25	10	32	13	42	17	50	19	56	21	62	209	2.40
	20	787	9.0	27	11	34	14	44	18	53	20	59	22	66	201	2.54
	17	692	10	30	12	38	16	50	20	59	22	67	25	74	180	2.89
	16	625	11	34	14	42	18	55	22	66	25	74	28	82	170	3.20
	13	531	13	40	16	50	21	65	26	77					148	3.77
	12	465													136	4.30
	11	442													139	4.53
	9.7	386													128	5.18
	8.2	329													73	6.07

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
RX67	1	27	27	27	27	29	29	
RXF: + 4.0 kg								

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_G 10^{-4}	RX	RXF	RX	RXF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
RX67 1	1.40	104	156	177	1071	3.2	205	205	5450	5450
	1.61	114	171	194	932	2.6	245	245	5380	5380
	1.86	126	187	210	806	2.1	225	225	5300	5300
	2.04	134	186	225	735	1.8	230	230	5310	5310
	2.40	123	163	205	1125	1.4	1530	1530	5460	5460
	2.54	118	162	200	1339	1.3	2000	2000	5470	5470
	2.89	106	142	180	1972	1.0	2640	2640	5590	5590
	3.20	100	142	170	2188	0.88	2800	2800	5590	5590
	3.77	87	130	148	1857	0.69	3090	3090	5660	5660
	4.30	80	109	136	1628	0.47	3300	3300	5770	5770
	4.53	82	110	139	1545	0.42	3350	3350	5760	5760
	5.18	75	110	128	1351	0.34	3580	3580	5760	5760
	6.07	43	64	73	1153	0.28	4000	4000	5970	5970

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	35	1410	5.0	15	6.0	18	8.0	24	10	29	11	33	12	36	264	1.42
	30	1200	5.0	18	7.0	22	9.0	29	12	34	13	39	14	43	294	1.67
	27	1065	6.0	20	8.0	25	10	33	13	39	14	44	16	49	318	1.88
	23	939	7.0	22	9.0	28	12	37	15	44	16	50	18	55	340	2.13
	21	823	8.0	26	10	32	13	42	17	50	19	57	21	63	366	2.43
	19	741	9.0	29	12	36	15	47	19	56	21	63	24	70	366	2.70
	16	649	10	33	13	41	17	54	22	64	24	72	27	80	328	3.08
RX77	15	615	11	34	14	43	18	56	23	67	25	75	28	84	309	3.25
 **1**	14	541	13	39	16	49	21	64	26	76	29	86	32	95	260	3.70
	12	495	14	43	17	53	22	70	28	83	31	94	35	104	243	4.04
	11	423	16	50	20	63	26	82	33	97					209	4.73
	9.3	374													175	5.35
	8.9	355													187	5.63
	7.8	312													175	6.41
	6.7	268													90	7.47
	6.2	250													97	8.00

m kg		CM3C../D					
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055
RX77	 **1**	36	36	36	37	39	39
RXF: + 2.3 kg							

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_G 10^{-4}	RX	RXF	RX	RXF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
RX77 1	1.42	155	230	260	1056	7.6	240	240	10000	10000
	1.67	173	255	290	898	6.0	240	240	10000	10000
	1.88	187	280	315	798	5.0	255	255	10000	10000
	2.13	200	300	340	704	4.1	360	360	10000	10000
	2.43	215	305	365	658	3.4	425	425	10000	10000
	2.70	215	285	365	741	3.0	1030	1030	10000	10000
	3.08	193	260	325	1104	2.5	2490	2490	10000	10000
	3.25	182	260	305	1385	2.3	3140	3140	10000	10000
	3.70	153	215	260	1892	1.9	4280	4280	10000	10000
	4.04	143	210	240	1733	1.6	4490	4490	10000	10000
	4.73	123	184	205	1480	1.3	4890	4890	10000	10000
	5.35	103	154	175	1308	0.90	5240	5240	10000	10000
	5.63	110	165	187	1243	0.81	5300	5300	10000	10000
	6.41	103	154	175	1092	0.66	5600	5600	10000	10000
	7.47	53	79	90	937	0.53	6200	6200	10000	10000
	8.00	57	85	97	875	0.46	6330	6330	10000	10000

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	36	1440													493	1.39
	31	1250	5.0	17	7.0	21	9.0	28	11	33	12	37	14	41	536	1.60
	26	1035	6.0	20	8.0	25	11	34	13	40	15	45	17	50	604	1.93
	23	930	7.0	23	9.0	28	12	37	15	44	17	50	19	56	655	2.15
	20	806	8.0	26	11	33	14	43	17	51	19	58	22	64	689	2.48
	18	725	9.0	29	12	37	15	48	19	57	21	65	24	72	689	2.76
	16	647	11	33	13	41	17	54	22	64	24	72	27	80	689	3.09
RX87	14	575	12	37	15	46	19	61	25	72	27	81	31	90	689	3.48
1	13	529	13	40	16	50	21	65	27	78	29	88	33	97	519	3.78
	11	444	15	48	19	59	25	78	32	93	35	104	39	116	493	4.50
	9.9	394	17	54	22	67	28	88	36	104	39	118	44	131	425	5.07
	9.0	360	19	59	24	74	31	96	39	114	43	129	49	143	383	5.56
	7.8	310	22	68	28	85	36	112	46	133					326	6.45
	6.9	278													238	7.20
	6.6	262													253	7.63
	5.8	231													236	8.65

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
RX87	1	52	52	52	53	55	55	
RXF: + 5.0 kg								

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_G 10^{-4}	RX	RXF	RX	RXF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
RX87 1	1.39	290	435	490	1007	25	74	74	12700	12700
	1.60	315	470	535	875	19	74	74	12500	12500
	1.93	355	530	600	725	15	185	185	12300	12300
	2.15	385	540	655	651	13	42	42	12300	12300
	2.48	405	540	685	605	11	470	470	12300	12300
	2.76	405	535	685	652	9.4	1200	1200	12400	12400
	3.09	405	540	685	744	8.1	2030	2030	12400	12400
	3.48	405	540	685	805	6.9	2810	2810	12400	12400
	3.78	305	455	515	1852	6.2	5050	5050	12700	12700
	4.50	290	435	490	1556	4.8	5520	5520	12800	12800
	5.07	250	375	425	1381	3.9	5990	5990	13000	13000
	5.56	225	335	380	1259	3.4	6330	6330	13000	13000
	6.45	192	285	325	1085	2.7	6860	6860	13000	13000
	7.20	140	210	235	972	1.8	7380	7380	13000	13000
	7.63	149	220	250	917	1.6	7500	7500	13000	13000
	8.65	139	205	235	809	1.3	7890	7890	13000	13000

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
RX97 1	35	1410													774	1.42
	30	1220													859	1.64
	26	1020													969	1.96
	22	893	7.0	24	9.0	30	12	39	16	46	17	52	19	58	1012	2.24
	19	758	9.0	28	11	35	15	46	19	55	20	62	23	68	1012	2.64
	17	685	10	31	13	39	16	51	21	60	23	68	26	76	1012	2.92
	15	606	11	35	14	44	18	58	23	68	26	77	29	86	1012	3.30
	14	549	12	39	16	49	20	64	26	76	28	85	32	95	1012	3.64
	12	495	14	43	17	54	23	71	29	84	31	95	35	105	1012	4.04
	11	442	16	48	20	60	25	79	32	94	35	106	40	118	1012	4.52
	10	407	17	52	21	65	27	85	35	101	38	114	43	127	672	4.91
	8.6	345	20	61	25	77	32	101	41	119	45	135	51	149	714	5.79
	7.6	305	23	70	28	87	37	114	46	135	51	153	57	169	510	6.56
	7.0	279	25	76	31	95	40	124	51	148	56	166	63	185	442	7.16
	6.1	243	29	87	36	109	46	143	58	170					383	8.23

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
RX97	1	75	75	75	76	78	78	
RXF: + 8.6 kg								

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_G 10^{-4}	RX	RXF	RX	RXF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
RX97 1	1.42[1)]	455	680	770	986	61	132	132	20000	20000
	1.64[1)]	505	755	850	854	51	51	51	20000	20000
	1.96	570	800	960	714	41	19	19	20000	20000
	2.24	595	800	1010	670	33	545	545	20000	20000
	2.64	595	800	1010	795	28	2020	2020	20000	20000
	2.92	595	800	1010	856	24	2890	2890	20000	20000
	3.30	595	800	1010	909	20	3820	3820	20000	20000
	3.64	595	800	1010	962	18	4610	4610	20000	20000
	4.04	595	800	1010	1015	15	5450	5450	20000	20000
	4.52	595	800	1010	1062	13	6210	6210	20000	20000
	4.91	395	590	670	1426	12	7240	7240	20000	20000
	5.79	420	630	710	1209	9.2	7650	7650	20000	20000
	6.56	300	450	510	1067	5.8	8510	8510	20000	20000
	7.16	260	390	440	978	5.1	8960	8960	20000	20000
	8.23	225	335	380	851	4.0	9570	9570	20000	20000

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5.2 R..CM3C.. selection tables

			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	15	593	11	35	14	44	18	58	23	68	26	77	29	86	134	3.37
	12	500	13	42	17	52	22	69	28	81	31	92	34	102	145	4.00
	12	468	14	45	18	56	24	73	30	87	33	98	37	109	148	4.27
	10	400	17	52	21	65	28	86	35	102	38	115	43	128	162	5.00
	8.9	357	19	59	24	73	31	96	39	114	43	129	48	143	168	5.60
	7.6	303	23	69	28	86	37	113	46	134					180	6.59
	6.6	262													190	7.63
	6.1	245													197	8.16
R27	5.3	213													207	9.41
2	4.9	197	35	107	44	133	56	>136	71	>136	78	>136	88	>136	207	10.13
	4.2	169	41	125	51	>136	66	>136	83	>136	92	>136	103	>136	219	11.86
	3.8	151	46	>136	57	>136	74	>136	94	>136	103	>136	115	>136	221	13.28
	3.2	128	54	>136	68	>136	87	>136	110	>136					221	15.63
	2.8	111													221	18.08
	2.6	103													221	19.35
	2.2	90													221	22.32
	1.9	77													221	26.09
	1.8	70													221	28.37
	2.0	82	82	>136	103	>136	>130	>136	>130	>136	>130	>136	>130	>136	221	24.47
	1.7	69	97	>136	121	>136	>130	>136	>130	>136	>130	>136	>130	>136	221	28.78
	1.5	62	109	>136	>130	>136	>130	>136	>130	>136	>130	>136	>130	>136	221	32.47
	1.4	54													221	36.79
	1.3	51	>130	>136	>130	>136	>130	>136	>130	>136					221	39.25
	1.1	45													221	44.90
	1.0	42													221	48.17
R27	0.89	36													221	55.87
3	0.82	33	>130	>136	>130	>136	>130	>136	>130	>136	>130	>136	>130	>136	221	61.30
	0.72	29													221	69.47
	0.67	27	>130	>136	>130	>136	>130	>136	>130	>136					221	74.11
	0.59	24													221	84.78
	0.55	22													221	90.96
	0.47	19													221	105.49
	0.40	16													221	123.91
	0.37	15													221	135.09

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
R27	2	19	19	19	20	22	22	
R27	3	19	19	19	20	22	22	
RF: + -0.1 kg								

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	R	RF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
R27 2	3.37	79	118	134	433	1.1	900	790	4290	3690
	4.00	85	127	145	365	0.85	900	800	4250	3660
	4.27	87	130	148	342	0.76	920	810	4230	3640
	5.00	95	142	162	292	0.58	860	760	4180	3590
	5.60	99	144	168	261	0.48	880	775	4170	3580
	6.59	106	145	180	222	0.36	880	775	4160	3580
	7.63	112	148	190	191	0.29	900	795	4150	3570
	8.16	116	148	197	179	0.26	870	770	4150	3570
	9.41	122	149	205	155	0.21	900	795	4140	3560
	10.13	122	136	205	144	0.61	1890	1670	4210	3620
	11.86	129	136	215	123	0.47	1980	1750	4210	3620
	13.28	130	136	220	120	0.39	2140	1910	4210	3620
	15.63	130	136	220	122	0.29	2290	2170	4210	3620
	18.08	130	136	220	126	0.24	2440	2310	4210	3620
	19.35	130	136	220	127	0.22	2510	2380	4210	3620
	22.32	130	136	220	128	0.18	2660	2520	4210	3620
	26.09	130	136	220	130	0.14	2840	2690	4210	3620
	28.37	130	136	220	131	0.12	2940	2780	4210	3620
R27 3	24.47	130	136	220	94	0.49	2760	2620	4210	3620
	28.78	130	136	220	94	0.37	2950	2800	4210	3620
	32.47	130	136	220	94	0.31	3100	2940	4210	3620
	36.79	130	136	220	94	0.25	3260	3090	4210	3620
	39.25	130	136	220	94	0.22	3350	3170	4210	3620
	44.90	130	136	220	94	0.18	3530	3340	4210	3620
	48.17	130	136	220	93	0.16	3630	3430	4210	3620
	55.87	130	136	220	81	0.13	3840	3640	4210	3620
	61.30	130	136	220	73	0.26	3980	3640	4210	3620
	69.47	130	136	220	65	0.22	4180	3640	4210	3620
	74.11	130	136	220	61	0.20	4230	3640	4210	3620
	84.78	130	136	220	53	0.16	4230	3640	4210	3620
	90.96	130	136	220	49	0.15	4230	3640	4210	3620
	105.49	130	136	220	43	0.12	4230	3640	4210	3620
	123.91	130	136	220	36	0.090	4230	3640	4210	3620
	135.09	130	136	220	33	0.080	4230	3640	4210	3620

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	15	587	11	36	14	44	19	58	24	69	26	78	29	87	190	3.41
	12	494	14	42	17	53	22	69	28	82	31	93	35	103	207	4.05
	12	463	15	45	18	56	24	74	30	88	33	99	37	110	214	4.32
	9.9	395	17	53	22	66	28	87	35	103	39	116	44	129	230	5.06
	8.8	353	19	59	24	74	31	97	40	116	43	130	49	145	241	5.67
	7.5	300	23	70	29	87	37	115	47	136					245	6.67
	6.3	251	27	84	34	105	44	137	56	163	61	183	69	200	265	7.97
	5.3	211	33	100	41	124	53	163	67	193	73	>205	82	>205	284	9.47
R37 2	4.9	198	35	106	44	133	56	174	71	>205	78	>205	88	>205	289	10.11
	4.2	169	41	125	51	156	66	200	83	>205	91	>205	103	>205	311	11.83
	3.8	151	46	140	57	174	74	>205	93	>205	102	>205	115	>205	323	13.25
	3.2	128	54	164	68	>205	87	>205	110	>205					340	15.60
	2.8	111													340	18.05
	2.6	104													340	19.31
	2.2	90													340	22.27
	1.9	77													315	26.03
	1.8	71													340	28.32
	2.0	82	83	>205	104	>205	134	>205	169	>205	185	>205	>200	>205	340	24.42
	1.7	70	98	>205	122	>205	158	>205	199	>205	>200	>205	>200	>205	340	28.73
	1.5	62	110	>205	138	>205	178	>205	>200	>205	>200	>205	>200	>205	340	32.40
	1.4	54													340	36.72
	1.3	51	133	>205	167	>205	>200	>205	>200	>205					340	39.17
	1.1	45													340	44.81
	1.0	42													340	48.08
R37 3	0.90	36													340	55.76
	0.82	33	>200	>205	>200	>205	>200	>205	>200	>205	>200	>205	>200	>205	340	61.18
	0.72	29													340	69.33
	0.68	27	>200	>205	>200	>205	>200	>205	>200	>205					340	73.96
	0.59	24													340	84.61
	0.55	22													340	90.77
	0.47	19													340	105.28
	0.40	16													340	123.66
	0.37	15													340	134.82

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
R37	2	25	25	25	25	28	28	
R37	3	25	25	25	26	28	28	
RF: + 1.5 kg								

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	R	RF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
R37 2	3.41	112	147	190	428	1.4	900	800	5500	5500
	4.05	122	153	205	360	1.1	840	750	5440	5440
	4.32	126	155	210	338	0.95	820	725	5430	5430
	5.06	135	156	230	289	0.72	790	700	5420	5420
	5.67	142	156	240	257	0.59	760	675	5420	5420
	6.67	144	166	245	219	0.43	1000	890	5320	5320
	7.97	156	205	265	182	0.96	1720	1520	4880	4880
	9.47	167	205	280	153	0.74	1760	1560	4880	4880
	10.11	170	205	285	143	0.66	1820	1620	4880	4880
	11.83	183	205	310	123	0.51	1810	1610	4880	4880
	13.25	190	205	320	109	0.43	1880	1670	4880	4880
	15.60	200	205	340	94	0.31	2010	1780	4880	4880
	18.05	200	205	340	96	0.26	2390	2120	4880	4880
	19.31	200	205	340	97	0.23	2570	2280	4880	4880
	22.27	200	205	340	99	0.19	2970	2640	4880	4880
	26.03	185	205	315	127	0.15	3860	3420	4880	4880
	28.32	200	205	340	101	0.13	3690	3270	4880	4880
R37 3	24.42	200	205	340	71	0.53	3240	2870	4880	4880
	28.73	200	205	340	71	0.39	3740	3310	4880	4880
	32.40	200	205	340	72	0.31	4120	3650	4880	4880
	36.72	200	205	340	72	0.25	4540	4020	4880	4880
	39.17	200	205	340	73	0.23	4760	4220	4880	4880
	44.81	200	205	340	73	0.19	4940	4640	4880	4880
	48.08	200	205	340	73	0.17	4940	4870	4880	4880
	55.76	200	205	340	74	0.13	4940	4940	4880	4880
	61.18	200	205	340	74	0.26	4940	4940	4880	4880
	69.33	200	205	340	65	0.22	4940	4940	4880	4880
	73.96	200	205	340	61	0.20	4940	4940	4880	4880
	84.61	200	205	340	53	0.16	4940	4940	4880	4880
	90.77	200	205	340	50	0.15	4940	4940	4880	4880
	105.28	200	205	340	43	0.12	4940	4940	4880	4880
	123.66	200	205	340	36	0.090	4940	4940	4880	4880
	134.82	200	205	340	33	0.080	4940	4940	4880	4880

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
R47 2	13	522	13	40	16	50	21	66	27	78	29	88	33	98	57	>166	78	>166	245	3.83
	12	461	15	45	18	57	24	74	30	88	33	100	37	111	65	>170	88	>170	248	4.34
	10	412	16	51	21	63	27	83	34	99	37	111	42	124	73	>175	98	>175	255	4.85
	8.9	355	19	59	24	74	31	97	39	115	43	130	49	144	85	>180	114	>180	264	5.64
	8.3	333	20	63	26	79	33	103	42	122	46	138	52	153	90	>182	122	>182	265	6.00
	7.2	287	24	73	30	91	39	120	49	142	54	160	60	178					270	6.96
	6.4	258	27	82	33	102	43	133	54	158	60	179	67	>190					277	7.76
	6.2	250	27	84	34	105	45	138	56	163	62	184	69	205	121	>300	163	>300	349	8.01
	5.5	221	31	95	39	119	51	156	64	185	70	205	79	230	137	>305	184	>305	374	9.07
	4.9	197	35	107	44	133	57	175	71	205	78	230	88	255	153	>305	205	>305	391	10.15
	4.2	170	41	124	51	155	66	200	83	240	91	270	102	300	178	>305	240	>305	417	11.79
	4.0	159	43	132	54	165	70	215	88	255	97	285	109	>305	189	>305	>250	>305	425	12.54
	3.4	137	50	153	63	192	81	250	103	295	112	>305	127	>305					451	14.56
	3.1	123	56	171	70	210	91	280	114	>305	125	>305	141	>305					468	16.22
	2.8	112																	493	17.89
	2.6	104	67	200	84	250	108	>305	136	>305									502	19.27
	2.3	92																	510	21.81
	2.1	86																	510	23.28
	1.9	75																	510	26.74
	1.6	64																	374	31.12
	1.5	59																	408	33.79
R47 3	2.1	85	80	240	100	300	129	>305	163	>305									510	23.59
	1.9	75	91	275	114	>305	147	>305	185	>305									510	26.70
	1.7	67	102	>305	127	>305	164	>305	205	>305									510	29.88
	1.4	58	118	>305	148	>305	191	>305	240	>305									510	34.73
	1.4	54	126	>305	157	>305	200	>305	255	>305									510	36.93
	1.2	47	146	>305	183	>305	235	>305	295	>305									510	42.87
	1.0	42	163	>305	200	>305	260	>305	>300	>305									510	47.75
	0.95	38																	510	52.69
	0.88	35	194	>305	240	>305	>300	>305	>300	>305									510	56.73
	0.78	31																	510	64.21
	0.73	29																	510	68.54
	0.66	26																	510	76.23
	0.59	24																	510	84.90
	0.53	21																	510	93.68
	0.50	20																	510	100.86
	0.44	18																	510	114.17
	0.41	16																	510	121.87
	0.36	14																	510	139.99
	0.31	12																	510	162.94
	0.28	11																	510	176.88

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
R47	2	28	28	28	28	30	30	43	43
R47	3	28	28	28	29	31	31	43	43
RF: + 0.1 kg									

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CM3C../D..							F_{Ramax}		F_{Rapk}	
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	R	RF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N
R47 2	3.83	144	166	245	415	2.6	2080	2080	5960	5960
	4.34	146	170	245	412	2.0	2190	2190	5940	5940
	4.85	150	175	255	404	1.7	2280	2280	5930	5930
	5.64	155	180	260	388	1.3	2410	2410	5920	5920
	6.00	156	182	265	390	1.2	2470	2470	5910	5910
	6.96	159	187	270	386	0.93	2620	2620	5890	5890
	7.76	163	190	275	370	0.77	2720	2720	5880	5880
	8.01	205	300	345	208	2.0	2690	2690	5420	5420
	9.07	220	305	370	173	1.6	2780	2780	5390	5390
	10.15	230	305	390	158	1.3	2880	2880	5390	5390
	11.79	245	305	415	136	1.1	3020	3020	5390	5390
	12.54	250	305	425	129	0.95	3080	3080	5390	5390
	14.56	265	305	450	112	0.74	3230	3230	5390	5390
	16.22	275	305	465	102	0.63	3350	3350	5390	5390
	17.89	290	305	490	88	0.51	3390	3390	5390	5390
	19.27	295	305	500	85	0.48	3530	3530	5390	5390
	21.81	300	305	510	82	0.39	3710	3710	5390	5390
	23.28	300	305	510	82	0.36	3820	3820	5390	5390
	26.74	300	305	510	83	0.29	4050	4050	5390	5390
	31.12	220	305	370	145	0.23	4610	4610	5390	5390
	33.79	240	305	405	133	0.20	4680	4680	5390	5390
R47 3	23.59	300	305	510	86	1.7	3840	3840	5390	5390
	26.70	300	305	510	86	1.4	4050	4050	5390	5390
	29.88	300	305	510	86	1.2	4240	4240	5390	5390
	34.73	300	305	510	86	0.93	4520	4520	5390	5390
	36.93	300	305	510	86	0.85	4630	4630	5390	5390
	42.87	300	305	510	86	0.67	4930	4930	5390	5390
	47.75	300	305	510	86	0.56	5140	5140	5390	5390
	52.69	300	305	510	85	0.47	5350	5350	5390	5390
	56.73	300	305	510	79	0.44	5420	5420	5390	5390
	64.21	300	305	510	70	0.37	5420	5420	5390	5390
	68.54	300	305	510	66	0.33	5420	5420	5390	5390
	76.23	300	305	510	59	0.60	5420	5420	5390	5390
	84.90	300	305	510	53	0.52	5420	5420	5390	5390
	93.68	300	305	510	48	0.43	5420	5420	5390	5390
	100.86	300	305	510	45	0.41	5420	5420	5390	5390
	114.17	300	305	510	39	0.34	5420	5420	5390	5390
	121.87	300	305	510	37	0.31	5420	5420	5390	5390
	139.99	300	305	510	32	0.25	5420	5420	5390	5390
	162.94	300	305	510	28	0.20	5420	5420	5390	5390
	176.88	300	305	510	25	0.18	5420	5420	5390	5390

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
R57 2	11	456	15	46	19	57	24	75	31	89	34	101	38	112	66	199	89	265	476	4.39
	9.9	396	17	53	22	66	28	87	35	103	39	116	44	129	76	225	102	305	519	5.05
	8.6	344	20	61	25	76	32	100	41	119	45	134	50	149	88	260	118	355	544	5.82
	7.8	312	22	67	27	84	36	110	45	131	49	147	55	164	96	290	130	390	570	6.41
	6.6	266	26	79	32	99	42	130	53	154	58	173	65	192	113	340	153	>425	595	7.53
	6.3	251	27	84	34	105	44	137	56	163	61	183	69	200	120	360	162	>425	604	7.97
	5.5	221	31	95	39	119	50	156	64	185	70	205	79	230					638	9.06
	5.3	214	32	98	40	123	52	161	66	191	72	215	81	235	141	420	190	>455	629	9.35
	4.6	185	37	114	47	142	60	186	76	220	83	245	94	275	163	>455	215	>455	663	10.79
	4.2	168	41	125	51	156	66	205	84	240	92	270	103	300	179	>455	240	>455	689	11.88
	3.6	143	48	147	60	184	78	240	98	285	108	320	121	355	210	>455	280	>455	731	13.95
	3.4	135	51	156	64	194	83	255	104	300	114	340	128	375	220	>455	300	>455	740	14.77
	3.0	119	58	177	73	220	94	285	118	340	130	385	146	425					765	16.79
	2.7	108	64	196	81	245	104	320	131	380	144	425	162	>455					765	18.60
	2.3	91	76	230	95	285	123	375	155	445									765	21.93
	2.0	80																	765	24.99
	1.9	76																	765	26.31
R57 3	1.9	74	92	275	115	345	148	>455	187	>455	200	>455	230	>455	395	>455	>450	>455	765	26.97
	1.7	66	103	310	129	385	166	>455	205	>455	225	>455	255	>455	445	>455	>450	>455	765	30.18
	1.4	57	119	360	149	450	193	>455	240	>455	265	>455	295	>455	>450	>455	>450	>455	765	35.07
	1.3	54	127	385	159	>455	205	>455	255	>455	280	>455	315	>455	>450	>455	>450	>455	765	37.30
	1.2	46	148	445	185	>455	235	>455	300	>455	325	>455	370	>455					765	43.30
	1.0	41	164	>455	205	>455	265	>455	330	>455	365	>455	410	>455					765	48.23
	0.94	38																	765	53.22
	0.87	35	195	>455	240	>455	315	>455	395	>455									765	57.29
	0.77	31																	765	64.85
	0.72	29																	765	69.23
	0.62	25	270	>455	340	>455	435	>455	>450	>455	>450	>455	>450	>455					765	80.55
	0.56	22	300	>455	375	>455	>450	>455	>450	>455	>450	>455	>450	>455					765	89.71
	0.51	20																	765	98.99
	0.47	19	360	>455	>450	>455	>450	>455	>450	>455									765	106.58
	0.41	17																	765	120.63
	0.39	16																	765	128.77
	0.34	14																	765	147.92
	0.29	12																	765	172.17
	0.27	11																	765	186.89

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
R57	2	32	32	32	33	35	35	48	48
R57	3	33	33	33	34	36	36	49	49
RF: + 3.4 kg / RM: + 15.4 kg									

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R57 2	4.39	280	420	475	335	4.3	1900	1900	4000	7230	7230	4000
	5.05	305	425	515	291	3.4	1730	1730	4000	7210	7210	4000
	5.82	320	425	540	254	2.7	1820	1820	4000	7210	7210	4000
	6.41	335	425	570	231	2.3	1770	1770	4000	7210	7210	4000
	7.53	350	425	595	215	1.8	1950	1950	4000	7210	7210	4000
	7.97	355	425	600	206	1.6	2020	2020	4000	7210	7210	4000
	9.06	375	425	635	175	1.3	2010	2010	4000	7210	7210	4000
	9.35	370	455	625	171	2.8	3180	3180	4000	7080	7080	4000
	10.79	390	455	660	146	2.2	3330	3330	4000	7080	7080	4000
	11.88	405	455	685	131	1.9	3430	3430	4000	7080	7080	4000
	13.95	430	455	730	110	1.6	3610	3610	4000	7080	7080	4000
	14.77	435	455	740	106	1.4	3690	3690	4000	7080	7080	4000
	16.79	450	455	765	96	1.1	3860	3860	4000	7080	7080	4000
	18.60	450	455	765	96	0.94	4050	4050	4000	7080	7080	4000
	21.93	450	455	765	97	0.73	4370	4370	4000	7080	7080	4000
	24.99	450	455	765	97	0.51	4640	4640	4000	7080	7080	4000
	26.31	450	455	765	97	0.45	4750	4750	4000	7080	7080	4000
R57 3	26.97	450	455	765	62	1.5	4800	4800	4000	7080	7080	4000
	30.18	450	455	765	62	1.3	5040	5040	4000	7080	7080	4000
	35.07	450	455	765	62	0.97	5390	5390	4000	7080	7080	4000
	37.30	450	455	765	62	0.89	5530	5530	4000	7080	7080	4000
	43.30	450	455	765	62	0.70	5900	5900	4000	7080	7080	4000
	48.23	450	455	765	62	0.60	6170	6170	4000	7080	7080	4000
	53.22	450	455	765	62	0.49	6430	6430	4000	7080	7080	4000
	57.29	450	455	765	62	0.46	6630	6630	4000	7080	7080	4000
	64.85	450	455	765	62	0.38	6980	6980	4000	7080	7080	4000
	69.23	450	455	765	62	0.35	7100	7100	4000	7080	7080	4000
	80.55	450	455	765	56	0.62	7100	7100	4000	7080	7080	4000
	89.71	450	455	765	50	0.54	7100	7100	4000	7080	7080	4000
	98.99	450	455	765	45	0.45	7100	7100	4000	7080	7080	4000
	106.58	450	455	765	42	0.42	7100	7100	4000	7080	7080	4000
	120.63	450	455	765	37	0.35	7100	7100	4000	7080	7080	4000
	128.77	450	455	765	35	0.32	7100	7100	4000	7080	7080	4000
	147.92	450	455	765	30	0.26	7100	7100	4000	7080	7080	4000
	172.17	450	455	765	26	0.21	7100	7100	4000	7080	7080	4000
	186.89	450	455	765	24	0.18	7100	7100	4000	7080	7080	4000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	12	466	14	45	18	56	24	74	30	87	33	99	37	109	64	194	87	260	459	4.29
	10	406	17	52	21	65	27	85	34	100	38	113	43	126	74	220	100	300	493	4.93
	8.8	351	19	60	24	75	32	98	40	116	44	131	49	145	86	255	116	345	527	5.70
	8.0	319	21	66	27	82	35	108	44	128	48	144	54	160	94	280	127	380	561	6.27
	6.8	272	25	77	32	97	41	127	52	150	57	169	64	188	111	330	149	445	629	7.36
	6.4	257	27	82	34	102	43	134	55	159	60	179	68	199	117	350	158	475	646	7.79
	5.7	230	30	91	37	114	48	150	61	178	67	200	75	220	131	390	177	530	748	8.70
	5.0	200	34	105	43	131	56	172	70	200	77	230	87	255	151	450	200	610	799	10.00
R67 2	4.3	173	40	122	50	152	64	199	81	235	89	265	100	295	174	520	235	>665	850	11.54
	3.9	157	44	134	55	167	71	215	89	255	98	290	110	325	192	575	255	>665	884	12.70
	3.4	134	52	157	65	196	83	255	105	305	115	340	130	380	225	>665	300	>665	935	14.91
	3.2	127	55	166	68	205	88	270	111	320	122	360	137	400	235	>665	320	>665	952	15.79
	2.8	111	62	189	78	235	100	305	127	365	139	410	156	455					1003	17.95
	2.5	101	69	210	86	260	111	340	140	405	154	455	173	505					1020	19.89
	2.1	85	81	245	102	305	131	400	165	475									952	23.44
	1.9	75																	918	26.72
	1.8	71																	918	28.13
	1.7	69	98	295	123	370	158	485	199	575	215	>595	245	>595	425	>595	>520	>595	884	28.83
	1.5	62	110	330	137	415	177	545	220	>595	245	>595	275	>595	475	>595	>540	>595	918	32.27
	1.3	53	128	385	160	480	205	>595	260	>595	285	>595	320	>595	555	>595	>570	>595	969	37.50
	1.3	50	136	410	170	515	215	>595	275	>595	300	>595	340	>595	>580	>595	>580	>595	986	39.88
	1.1	43	158	475	197	595	255	>600	320	>600	350	>600	395	>600					1020	46.29
	0.97	39	176	530	220	>600	280	>600	355	>600	390	>600	440	>600					1020	51.56
	0.88	35																	1020	56.89
	0.82	33	205	>600	260	>600	335	>600	420	>600									1020	61.26
R67	0.72	29	235	>660	295	>660	380	>660	480	>660	530	>660	595	>660	>600	>660	>600	>660	1020	69.75
3	0.67	27	250	>660	315	>660	405	>660	510	>660	560	>660	>600	>660	>600	>660	>600	>660	1020	74.17
	0.58	23	290	>660	365	>660	470	>660	595	>660	>600	>660	>600	>660					1020	86.11
	0.52	21	325	>660	410	>660	525	>660	>600	>660	>600	>660	>600	>660					1020	95.91
	0.47	19																	1020	105.83
	0.44	18	385	>660	485	>660	>600	>660	>600	>660									1020	113.94
	0.39	16																	1020	128.97
	0.36	15																	1020	137.67
	0.32	13																	1020	158.14
	0.27	11																	1020	184.07
	0.25	10																	1020	199.81

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
R67	2	39	39	39	40	42	42	54	54
R67	3	40	40	40	40	43	43	55	55
RF: + 3.2 kg / RM: + 19.0 kg									

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R67 2	4.29	270	405	455	343	5.9	5000	5000	8720	9300	9300	9800
	4.93	290	435	490	298	4.6	5210	5210	9120	9100	9100	9760
	5.70	310	465	525	261	3.6	5450	5450	9560	8870	8870	9710
	6.27	330	485	560	236	3.0	5590	5590	9850	8710	8710	9680
	7.36	370	485	625	201	2.4	5790	5790	9850	8710	8710	9680
	7.79	380	485	645	190	2.1	5830	5830	9840	8710	8710	9680
	8.70	440	660	745	172	4.0	5960	5960	9750	5350	5350	9330
	10.00	470	665	795	151	3.2	6220	6220	9700	4700	4700	9320
	11.54	500	665	850	133	2.5	6500	6500	9660	4700	4700	9320
	12.70	520	665	880	120	2.2	6640	6640	9620	4700	4700	9320
	14.91	550	665	930	103	1.7	6980	6980	9560	4700	4700	9320
	15.79	560	665	950	97	1.6	7130	7130	9540	4700	4700	9320
	17.95	590	665	1000	85	1.2	7330	7330	9480	4700	4700	9320
	19.89	600	665	1020	77	1.0	7560	7560	9460	4700	4700	9320
	23.44	560	665	950	95	0.80	8010	8010	9540	4700	4700	9320
	26.72	540	665	910	106	0.56	8210	8210	9580	4700	4700	9320
	28.13	540	665	910	106	0.50	8210	8210	9580	4700	4700	9320
R67 3	28.83	520	595	880	51	1.5	8400	8400	9620	7620	7620	9470
	32.27	540	595	910	46	1.3	8210	8210	9580	7620	7620	9470
	37.50	570	595	960	39	1.0	7900	7900	9520	7620	7620	9470
	39.88	580	595	980	37	0.93	7790	7790	9500	7620	7620	9470
	46.29	600	600	1020	33	0.72	7560	7560	9460	7560	7560	9460
	51.56	600	600	1020	33	0.61	7560	7560	9460	7560	7560	9460
	56.89	600	600	1020	33	0.50	7560	7560	9460	7560	7560	9460
	61.26	600	600	1020	33	0.47	7560	7560	9460	7560	7560	9460
	69.75	600	660	1020	30	0.88	7560	7560	9460	5350	5350	9330
	74.17	600	660	1020	30	0.81	7560	7560	9460	5350	5350	9330
	86.11	600	660	1020	30	0.63	7560	7560	9460	5350	5350	9330
	95.91	600	660	1020	30	0.54	7560	7560	9460	5350	5350	9330
	105.83	600	660	1020	30	0.45	7560	7560	9460	5350	5350	9330
	113.94	600	660	1020	30	0.42	7560	7560	9460	5350	5350	9330
	128.97	600	660	1020	30	0.36	7560	7560	9460	5350	5350	9330
	137.67	600	660	1020	30	0.32	7560	7560	9460	5350	5350	9330
	158.14	600	660	1020	28	0.26	7560	7560	9460	5350	5350	9330
	184.07	600	660	1020	24	0.21	7560	7560	9460	5350	5350	9330
	199.81	600	660	1020	23	0.19	7560	7560	9460	5350	5350	9330

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
R77 2	9.4	377	18	56	23	70	29	91	37	108	41	122	46	135	80	240	108	320	867	5.31
	8.3	334	20	63	26	79	33	103	42	122	46	138	52	153	90	270	122	365	918	5.99
	7.4	295	23	71	29	89	38	117	48	138	52	156	59	173	102	305	138	410	986	6.79
	6.5	258	27	81	33	102	43	133	54	158	60	178	67	198	117	350	157	470	1037	7.74
	5.8	233	29	90	37	113	48	148	60	175	66	198	74	215	129	385	174	520	1071	8.59
	5.2	207	33	101	42	127	54	166	68	197	74	220	84	245	145	435	196	585	1071	9.64
	4.6	184	37	115	47	143	61	187	77	220	84	250	94	275	164	490	220	660	1122	10.88
	4.1	162	43	130	53	162	69	210	87	250	95	280	107	315	186	555	250	750	1173	12.33
	3.6	142	49	148	61	185	79	240	99	285	109	320	122	355	210	635	285	850	1224	14.05
	3.2	128	54	164	68	205	87	265	110	315	121	360	136	395	235	705	315	>900	1258	15.60
	2.8	112	62	188	77	235	100	305	126	360	138	410	155	455	265	800	360	>900	1326	17.82
	2.7	106	65	198	82	245	105	320	133	380	145	430	164	480	280	850	380	>900	1326	18.80
	2.3	93	74	225	93	280	120	370	151	435	166	490	187	545					1394	21.43
	2.1	86	81	245	102	305	131	400	165	475	181	535	200	595					1394	23.37
R77 3	2.0	79	87	260	108	325	140	430	176	510	193	575	215	635	375	>900	505	>900	1326	25.23
	1.7	69	100	300	125	375	161	495	200	585	220	660	250	730	430	>900	580	>900	1394	29.00
	1.5	60	115	350	144	435	186	570	230	675	255	760	285	840	500	>900	670	>900	1394	33.47
	1.4	54	125	380	157	475	200	620	255	735	275	830	310	>900	545	>900	730	>900	1394	36.83
	1.2	46	147	445	184	555	235	730	300	860	325	>900	365	>900	640	>900	>820	>900	1394	43.26
	1.1	44	156	470	195	590	250	770	315	>900	345	>900	390	>900	675	>900	>820	>900	1394	45.81
	0.96	38	178	535	220	670	285	880	360	>900	395	>900	445	>900					1394	52.07
	0.87	35	197	595	245	745	315	>900	400	>900	435	>900	490	>900					1394	57.68
	0.76	30	220	680	280	840	360	>900	455	>900	495	>900	560	>900	>820	>900	>820	>900	1394	65.77
	0.65	26	260	795	330	>900	425	>900	535	>900	585	>900	660	>900	>820	>900	>820	>900	1394	77.24
	0.61	24	275	840	345	>900	450	>900	565	>900	620	>900	695	>900	>820	>900	>820	>900	1394	81.80
	0.54	22	315	>900	395	>900	510	>900	640	>900	705	>900	790	>900					1394	92.97
	0.49	19	350	>900	440	>900	565	>900	710	>900	780	>900	>820	>900					1394	102.99
	0.41	16	410	>900	510	>900	660	>900	>820	>900									1394	121.42
	0.36	14																	1394	138.39
	0.34	14																	1394	145.67
	0.30	12																	1394	166.59
	0.26	10																	1394	195.24

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
R77	2	45	45	45	45	48	48	59	59
R77	3	46	46	46	46	49	49	61	61
RF: + 5.7 kg / RM: + 30.7 kg									

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R77 2	5.31	510	765	860	275	7.7	3990	3990	12700	10400	10400	13000
	5.99	540	810	910	247	6.4	3990	3990	13000	10000	10000	13000
	6.79	580	840	980	215	5.2	3850	3850	13000	9730	9730	13000
	7.74	610	840	1030	191	4.2	3940	3940	13000	9730	9730	13000
	8.59	630	840	1070	175	3.7	4110	4110	13000	9730	9730	13000
	9.64	630	900	1070	151	6.6	6300	6300	13000	9110	9110	13000
	10.88	660	900	1120	134	5.5	6490	6490	13000	9110	9110	13000
	12.33	690	900	1170	118	4.5	6740	6740	13000	9110	9110	13000
	14.05	720	900	1220	104	3.7	7050	7050	13000	9110	9110	13000
	15.60	740	900	1250	95	3.3	7390	7390	13000	9110	9110	13000
	17.82	780	900	1320	82	2.7	7620	7620	13000	9110	9110	13000
	18.80	780	900	1320	79	2.5	7980	7980	13000	9110	9110	13000
	21.43	820	900	1390	69	2.0	8250	8250	13000	9110	9110	13000
	23.37	820	900	1390	66	1.7	8870	8870	13000	9110	9110	13000
R77 3	25.23	780	900	1320	60	3.7	10100	10100	13000	9110	9110	13000
	29.00	820	900	1390	52	3.0	9920	9920	13000	9110	9110	13000
	33.47	820	900	1390	51	2.2	9920	9920	13000	9110	9110	13000
	36.83	820	900	1390	52	1.9	9920	9920	13000	9110	9110	13000
	43.26	820	900	1390	54	1.6	9920	9920	13000	9110	9110	13000
	45.81	820	900	1390	54	1.4	9920	9920	13000	9110	9110	13000
	52.07	820	900	1390	55	1.1	9920	9920	13000	9110	9110	13000
	57.68	820	900	1390	54	0.97	9920	9920	13000	9110	9110	13000
	65.77	820	900	1390	39	1.6	9920	9920	13000	9110	9110	13000
	77.24	820	900	1390	39	1.3	9920	9920	13000	9110	9110	13000
	81.80	820	900	1390	39	1.2	9920	9920	13000	9110	9110	13000
	92.97	820	900	1390	39	0.99	9920	9920	13000	9110	9110	13000
	102.99	820	900	1390	39	0.86	9920	9920	13000	9110	9110	13000
	121.42	820	900	1390	37	0.68	9920	9920	13000	9110	9110	13000
	138.39	820	900	1390	33	0.46	9920	9920	13000	9110	9110	13000
	145.67	820	900	1390	31	0.42	9920	9920	13000	9110	9110	13000
	166.59	820	900	1390	27	0.34	9920	9920	13000	9110	9110	13000
	195.24	820	900	1390	23	0.27	9920	9920	13000	9110	9110	13000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
R87 2	9.4	377	18	56	23	69	29	91	37	108	41	122	46	135	80	240	107	320	1547	5.30
	7.8	313	22	67	27	84	35	110	45	130	49	147	55	163	96	290	130	390	1734	6.39
	7.0	281	24	75	31	94	40	123	50	145	55	164	62	182	107	320	145	435	1819	7.13
	6.1	243	28	86	35	108	46	141	58	168	63	189	71	210	124	370	167	500	1972	8.22
	5.5	219	31	96	39	120	51	157	64	187	70	210	79	230	138	410	186	555	2057	9.14
	5.1	202	34	104	43	130	55	170	70	200	76	225	86	250	149	445	200	600	2006	9.90
	4.2	168	41	126	52	157	67	205	84	240	92	275	104	305	180	540	240	725	2091	11.93
	3.8	150	46	140	58	175	74	230	94	270	103	305	116	340	200	605	270	810	2176	13.33
	3.3	130	53	162	67	200	86	265	108	310	119	350	134	390	230	695	310	930	2278	15.35
	2.9	117	59	180	74	225	96	290	120	345	132	390	149	435	255	775	345	1040	2363	17.08
	2.6	105	66	200	83	250	107	325	135	390	148	440	166	485	285	860	385	1160	2448	19.10
	2.3	93	75	225	93	280	121	370	152	440	166	495	187	550	325	970	435	1310	2550	21.51
	2.1	85	81	245	102	305	131	400	165	475	181	540	200	595	350	1060	475	1420	2635	23.40
	1.8	72	97	290	121	365	156	480	197	565	215	640	240	710	420	1260	565	>1550	2635	27.84
	1.6	64	109	330	137	410	176	540	220	640	240	720	270	800					2635	31.40
	1.5	58	120	360	150	450	193	590	240	700	265	790	300	880					2550	34.40
	1.8	72	96	290	120	360	155	475	195	560	210	635	240	705	415	1250	560	>1550	2550	27.88
	1.5	61	112	340	141	425	181	555	225	660	250	745	280	820	485	1460	655	>1550	2635	32.66
	1.4	54	127	385	159	480	205	625	255	745	280	840	315	930	550	>1550	740	>1550	2635	36.84
	1.2	48	144	435	180	540	230	710	290	840	320	950	360	1050	625	>1550	840	>1550	2635	41.74
	1.1	42	164	495	205	620	260	810	330	960	365	1080	410	1200	710	>1550	950	>1550	2635	47.58
	0.95	38	182	550	225	685	290	900	370	1060	405	1200	455	1330	790	>1550	1060	>1550	2635	52.82
	0.83	33	205	630	260	785	335	1030	420	1220	460	1370	520	1520	900	>1550	1210	>1550	2635	60.35
	0.79	31	220	665	275	830	350	1080	445	1280	485	1450	550	>1550	950	>1550	1280	>1550	2635	63.68
	0.69	28	250	755	310	940	400	1240	505	1460	555	>1550	625	>1550					2635	72.57
R87 3	0.61	24	280	840	350	1050	450	1380	565	>1550	620	>1550	700	>1550	1210	>1550	>1550	>1550	2635	81.92
	0.54	21	315	960	395	1200	510	>1550	645	>1550	705	>1550	795	>1550	1380	>1550	>1550	>1550	2635	93.38
	0.48	19	350	1070	440	1330	570	>1550	715	>1550	785	>1550	880	>1550	1530	>1550	>1550	>1550	2635	103.65
	0.42	17	405	1220	505	1530	650	>1550	820	>1550	900	>1550	1010	>1550	>1550	>1550	>1550	>1550	2635	118.43
	0.40	16	425	1290	530	>1550	685	>1550	860	>1550	940	>1550	1060	>1550	>1550	>1550	>1550	>1550	2635	124.97
	0.35	14	485	1470	605	>1550	780	>1550	980	>1550	1080	>1550	1210	>1550					2635	142.41
	0.32	13	525	>1550	655	>1550	840	>1550	1060	>1550	1160	>1550	1310	>1550					2635	155.34
	0.28	11	615	>1550	765	>1550	990	>1550	1240	>1550									2635	181.77
	0.24	9.7																	2635	205.71
	0.23	9.2																	2635	216.54
	0.20	8.1																	2635	246.54

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
R87	2	71	71	71	71	73	73	85	85
R87	3	72	72	72	72	75	75	87	87
RF: + 7.1 kg / RM: + 36.8 kg									

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R87 2	5.30	910	1270	1540	275	25	1710	1710	16600	18600	18600	20000
	6.39	1020	1270	1730	228	19	970	970	17600	18600	18600	20000
	7.13	1070	1270	1810	205	16	820	820	18300	18600	18600	20000
	8.22	1160	1270	1970	178	13	225	225	19100	18600	18600	20000
	9.14	1210	1270	2050	161	11	99	99	19800	18600	18600	20000
	9.90	1180	1550	2000	147	21	3520	3520	20000	16900	16900	19700
	11.93	1230	1550	2090	125	17	4120	4120	20000	16900	16900	19700
	13.33	1280	1550	2170	111	14	4220	4220	20000	16900	16900	19700
	15.35	1340	1550	2270	97	12	4450	4450	20000	16900	16900	19700
	17.08	1390	1550	2360	87	10	4580	4580	19900	16900	16900	19700
	19.10	1440	1550	2440	79	8.7	4800	4800	19800	16900	16900	19700
	21.51	1500	1550	2550	70	7.3	4970	4970	19800	16900	16900	19700
	23.40	1550	1550	2630	63	6.6	5000	5000	19700	16900	16900	19700
	27.84	1550	1550	2630	63	5.1	6640	6640	19700	16900	16900	19700
	31.40	1550	1550	2630	63	4.1	7820	7820	19700	16900	16900	19700
	34.40	1500	1550	2550	70	3.6	9480	9480	19800	16900	16900	19700
R87 3	27.88	1500	1550	2550	55	9.8	7370	7370	19800	16900	16900	19700
	32.66	1550	1550	2630	50	7.6	8220	8220	19700	16900	16900	19700
	36.84	1550	1550	2630	50	6.2	9470	9470	19700	16900	16900	19700
	41.74	1550	1550	2630	51	5.1	10800	10800	19700	16900	16900	19700
	47.58	1550	1550	2630	51	4.1	12300	12300	19700	16900	16900	19700
	52.82	1550	1550	2630	51	3.6	13500	13500	19700	16900	16900	19700
	60.35	1550	1550	2630	52	2.9	15200	15200	19700	16900	16900	19700
	63.68	1550	1550	2630	52	2.7	15800	15800	19700	16900	16900	19700
	72.57	1550	1550	2630	52	2.2	16900	16900	19700	16900	16900	19700
	81.92	1550	1550	2630	52	4.0	16900	16900	19700	16900	16900	19700
	93.38	1550	1550	2630	48	3.3	16900	16900	19700	16900	16900	19700
	103.65	1550	1550	2630	43	3.0	16900	16900	19700	16900	16900	19700
	118.43	1550	1550	2630	38	2.4	16900	16900	19700	16900	16900	19700
	124.97	1550	1550	2630	36	2.3	16900	16900	19700	16900	16900	19700
	142.41	1550	1550	2630	32	1.9	16900	16900	19700	16900	16900	19700
	155.34	1550	1550	2630	29	1.6	16900	16900	19700	16900	16900	19700
	181.77	1550	1550	2630	25	1.3	16900	16900	19700	16900	16900	19700
	205.71	1550	1550	2630	22	0.90	16900	16900	19700	16900	16900	19700
	216.54	1550	1550	2630	21	0.81	16900	16900	19700	16900	16900	19700
	246.54	1550	1550	2630	18	0.66	16900	16900	19700	16900	16900	19700

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			CM3C../D									
			80M_0040		80M_0055		100LM_0070		100LM_0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	11	444					68	200	91	270	2771	4.50
	9.6	385					78	235	105	315	3026	5.20
	8.1	322					93	280	126	375	3213	6.21
	7.0	281	55	164	62	182	107	320	145	435	3400	7.12
	6.0	238	65	193	73	210	126	380	170	510	3451	8.39
	5.4	215	72	210	81	235	140	420	189	565	3451	9.29
	4.6	185					163	490	220	660	3553	10.83
R97	4.0	161	96	285	108	315	187	560	250	755	3723	12.39
2	3.4	137	113	335	127	370	220	660	295	890	3910	14.62
	3.1	124	125	370	141	410	240	730	325	980	4080	16.17
	2.7	110	141	420	159	465	275	820	370	1110	4250	18.24
	2.5	99	156	460	175	515	300	910	410	1230	4437	20.14
	2.2	89	173	515	195	570	335	1010	455	1360	4624	22.37
	2.0	80	194	575	215	640	375	1130	505	1520	4811	25.03
	1.8	74	210	625	235	695	410	1230	550	1660	4352	27.19
	1.6	62	245	735	275	820	480	1450	650	1950	4352	32.05
	1.8	73	210	630	235	695	410	1230	555	1660	4539	27.58
	1.5	60	255	755	285	840	495	1490	670	2010	4913	33.25
	1.3	54	285	840	320	940	555	1660	745	2240	5100	37.13
	1.2	47	325	970	365	1080	640	1920	860	2580	5100	42.78
	1.1	42	365	1080	410	1200	710	2130	950	2870	5100	47.58
	0.94	38	405	1210	455	1340	795	2390	1070	>3090	5100	53.21
	0.83	33	460	1360	515	1510	890	2690	1200	>3090	5100	59.92
	0.77	31	500	1480	560	1650	970	2920	1310	>3090	5100	65.21
	0.69	28	545	1630	615	1810	1060	>3090	1430	>3090	5100	72.17
	0.60	24	630	1880	710	2080	1230	>3090	1650	>3090	5100	83.15
R97	0.54	22	700	2090	790	2310	1370	>3090	1840	>3090	5100	92.48
3	0.48	19	785	2330	880	2590	1530	>3090	2060	>3090	5100	103.44
	0.43	17	880	2630	990	2920	1720	>3090	2320	>3090	5100	116.48
	0.39	16	960	2860	1080	>3090	1870	>3090	2520	>3090	5100	126.75
	0.33	13	1140	>3090	1280	>3090	2230	>3090	>3000	>3090	5100	150.78
	0.29	12	1290	>3090	1450	>3090					5100	170.02
	0.27	11	1410	>3090	1590	>3090					5100	186.30
	0.23	9.2									5100	216.28
	0.21	8.3									5100	241.25
	0.20	7.8									5100	255.71
	0.17	6.9									5100	289.74

m kg		CM3C../D				
		80M_0040	80M_0055	100LM_0070	100LM_0095	
R97	2	110	110	125	125	
R97	3	115	115	125	125	
RF: + 17.2 kg / RM: + 68.5 kg						

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R97 2	4.50	1630	2440	2770	324	80	0	0	17900	24400	24400	26300
	5.20	1780	2560	3020	281	65	0	0	18700	23800	23800	26100
	6.21	1890	2560	3210	256	51	0	0	19900	23800	23800	26100
	7.12	2000	2560	3400	228	41	0	0	20800	23800	23800	26100
	8.39	2030	2560	3450	219	33	0	0	22000	23800	23800	26100
	9.29	2030	2560	3450	221	28	0	0	22800	23800	23800	26100
	10.83	2090	3090	3550	136	46	3720	3720	23700	16000	16000	24500
	12.39	2190	3090	3720	119	37	3850	3850	24800	16000	16000	24500
	14.62	2300	3090	3910	103	30	4240	4240	26200	16000	16000	24500
	16.17	2400	3090	4080	90	26	4130	4130	26200	16000	16000	24500
	18.24	2500	3090	4250	80	22	4270	4270	26100	16000	16000	24500
	20.14	2610	3090	4430	72	19	4110	4110	26000	16000	16000	24500
	22.37	2720	3090	4620	65	16	4060	4060	25800	16000	16000	24500
	25.03	2830	3090	4810	58	14	4140	4140	25700	16000	16000	24500
	27.19	2560	3090	4350	75	13	8380	8380	26000	16000	16000	24500
	32.05	2560	3090	4350	75	9.8	10600	10600	26000	16000	16000	24500
R97 3	27.58	2670	3090	4530	55	24	7260	7260	25900	16000	16000	24500
	33.25	2890	3090	4910	46	19	7160	7160	25600	16000	16000	24500
	37.13	3000	3090	5100	41	16	7410	7410	25400	16000	16000	24500
	42.78	3000	3090	5100	40	13	9480	9480	25400	16000	16000	24500
	47.58	3000	3090	5100	40	11	11100	11100	25400	16000	16000	24500
	53.21	3000	3090	5100	40	9.5	12900	12900	25400	16000	16000	24500
	59.92	3000	3090	5100	40	8.0	14800	14800	25400	16000	16000	24500
	65.21	3000	3090	5100	40	7.1	16300	16300	25400	16000	16000	24500
	72.17	3000	3090	5100	35	14	18000	18000	25400	16000	16000	24500
	83.15	3000	3090	5100	35	11	19800	19800	25400	16000	16000	24500
	92.48	3000	3090	5100	35	9.8	19800	19800	25400	16000	16000	24500
	103.44	3000	3090	5100	35	8.4	19800	19800	25400	16000	16000	24500
	116.48	3000	3090	5100	36	7.0	19800	19800	25400	16000	16000	24500
	126.75	3000	3090	5100	36	6.3	19800	19800	25400	16000	16000	24500
	150.78	3000	3090	5100	30	4.9	19800	19800	25400	16000	16000	24500
	170.02	3000	3090	5100	26	4.0	19800	19800	25400	16000	16000	24500
	186.30	3000	3090	5100	24	3.5	19800	19800	25400	16000	16000	24500
	216.28	3000	3090	5100	21	2.8	19800	19800	25400	16000	16000	24500
	241.25	3000	3090	5100	19	1.8	19800	19800	25400	16000	16000	24500
	255.71	3000	3090	5100	18	1.6	19800	19800	25400	16000	16000	24500
	289.74	3000	3090	5100	16	1.3	19800	19800	25400	16000	16000	24500

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			CM3C../D					
			100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
R107 2	10	407					4930	4.92
	8.6	344	88	260	118	355	5049	5.82
	7.5	300	100	300	135	405	5049	6.66
	6.4	254	118	355	160	480	5049	7.86
	5.8	234					7310	8.56
	4.9	197	153	455	205	615	7310	10.13
	4.3	173	175	525	235	705	7310	11.59
	3.7	146	205	620	275	830	7310	13.66
	3.2	128	235	710	315	950	7310	15.65
	2.7	110	275	820	370	1110	7310	18.21
	2.5	100	300	910	405	1220	7310	20.07
	2.2	88	340	1020	460	1380	7310	22.62
	2.0	80	375	1130	505	1520	7310	24.90
	1.8	73	415	1250	560	1680	7310	27.58
	1.6	65	465	1390	625	1880	7310	30.77
R107 3	1.7	68	435	1310	585	1760	7310	29.49
	1.4	57	525	1580	710	2130	7310	35.26
	1.2	50	600	1810	810	2440	7310	40.37
	1.0	42	710	2130	960	2880	7310	47.63
	0.95	38	785	2360	1060	3180	7310	52.68
	0.84	34	880	2660	1190	3590	7310	59.41
	0.76	30	980	2940	1320	3960	7310	65.60
	0.69	27	1090	3270	1460	>4360	7310	72.88
	0.64	25	1160	3490	1560	>4360	7310	78.57
	0.54	22	1370	4120	1840	>4360	7310	92.70
	0.49	20	1510	>4360	2040	>4360	7310	102.53
	0.43	17	1710	>4360	2300	>4360	7310	115.63
	0.39	16	1890	>4360	2540	>4360	7310	127.68
	0.35	14	2100	>4360	2820	>4360	7310	141.83
	0.32	13	2350	>4360	3160	>4360	7310	158.68
	0.29	12	2550	>4360	3430	>4360	7310	172.34
	0.25	9.8	2970	>4360	4010	>4360	7310	203.16
	0.22	8.7					7310	229.95
	0.20	8.0					7310	251.15

m kg		CM3C../D		
		100LM_0070	100LM_0095	
R107	2	175	175	
R107	3	185	185	
RF: + 6.0 kg / RM: + 94.0 kg				

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aFEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R107 2	4.92[1)]	2900	3820	4930	480	144	11300	11300	21100	31800	31800	33500
	5.82	2970	3820	5040	517	108	12100	12100	22400	31800	31800	33500
	6.66	2970	3820	5040	589	88	12800	12800	23500	31800	31800	33500
	7.86	2970	3820	5040	557	70	13800	13800	24900	31800	31800	33500
	8.56[1)]	4300	4360	7310	248	129	11300	11300	24400	29100	29100	32100
	10.13	4300	4360	7310	245	97	12400	12400	26000	29100	29100	32100
	11.59	4300	4360	7310	243	80	13300	13300	27300	29100	29100	32100
	13.66	4300	4360	7310	242	64	14400	14400	29000	29100	29100	32100
	15.65	4300	4360	7310	240	52	15400	15400	30500	29100	29100	32100
	18.21	4300	4360	7310	239	43	16600	16600	32300	29100	29100	32100
	20.07	4300	4360	7310	224	37	17300	17300	32800	29100	29100	32100
	22.62	4300	4360	7310	199	31	18300	18300	32800	29100	29100	32100
	24.90	4300	4360	7310	181	27	19200	19200	32800	29100	29100	32100
	27.58	4300	4360	7310	163	21	20100	20100	32800	29100	29100	32100
	30.77	4300	4360	7310	146	18	21100	21100	32800	29100	29100	32100
R107 3	29.49	4300	4360	7310	87	60	20700	20700	32800	29100	29100	32100
	35.26	4300	4360	7310	88	47	22400	22400	32800	29100	29100	32100
	40.37	4300	4360	7310	88	38	23800	23800	32800	29100	29100	32100
	47.63	4300	4360	7310	89	31	25500	25500	32800	29100	29100	32100
	52.68	4300	4360	7310	85	27	26600	26600	32800	29100	29100	32100
	59.41	4300	4360	7310	76	22	28000	28000	32800	29100	29100	32100
	65.60	4300	4360	7310	69	19	29200	29200	32800	29100	29100	32100
	72.88	4300	4360	7310	62	17	29500	29500	32800	29100	29100	32100
	78.57	4300	4360	7310	46	34	29500	29500	32800	29100	29100	32100
	92.70	4300	4360	7310	47	28	29500	29500	32800	29100	29100	32100
	102.53	4300	4360	7310	44	25	29500	29500	32800	29100	29100	32100
	115.63	4300	4360	7310	39	20	29500	29500	32800	29100	29100	32100
	127.68	4300	4360	7310	35	18	29500	29500	32800	29100	29100	32100
	141.83	4300	4360	7310	32	15	29500	29500	32800	29100	29100	32100
	158.68	4300	4360	7310	28	13	29500	29500	32800	29100	29100	32100
	172.34	4300	4360	7310	26	12	29500	29500	32800	29100	29100	32100
	203.16	4300	4360	7310	22	9.2	29500	29500	32800	29100	29100	32100
	229.95	4300	4360	7310	20	5.9	29500	29500	32800	29100	29100	32100
	251.15	4300	4360	7310	18	5.1	29500	29500	32800	29100	29100	32100

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			CM3C../D					
			100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
R127 2	9.0	360					6880	5.55
	7.6	305	99	295	133	400	6880	6.56
	6.7	266	113	340	152	455	6880	7.51
	5.6	226	133	400	180	540	6880	8.85
	5.6	223					10500	8.96
	4.7	189	160	480	215	645	10500	10.59
	4.1	165	183	550	245	740	10500	12.12
	3.5	140	215	645	290	870	10500	14.29
	3.1	122	245	740	330	1000	10500	16.37
	2.6	105	285	860	385	1160	10500	19.04
	2.4	95	315	950	425	1280	10500	20.98
	2.1	85	355	1070	480	1440	10500	23.65
	1.9	77	390	1180	530	1590	10500	26.04
	1.7	69	435	1300	585	1760	10100	28.84
	1.6	62	485	1460	655	1960	9990	32.18
R127 3	1.6	65	460	1380	620	1860	10500	30.84
	1.4	54	550	1650	740	2230	10500	36.88
	1.2	47	630	1890	850	2550	10500	42.22
	1.0	40	745	2230	1000	3010	10500	49.81
	0.91	36	820	2470	1110	3330	10500	55.09
	0.80	32	930	2790	1250	3750	10500	62.13
	0.73	29	1020	3080	1380	4140	10500	68.61
	0.66	26	1140	3420	1530	4600	10500	76.21
	0.61	24	1210	3650	1630	4910	10500	82.17
	0.59	23	1270	3830	1710	5150	10500	85.26
	0.52	21	1430	4310	1930	5800	10500	96.95
	0.47	19	1580	4760	2130	6410	10500	107.23
	0.41	17	1790	5370	2410	>7000	10500	120.92
	0.37	15	1970	5930	2660	>7000	10500	133.53
	0.34	13	2190	6590	2950	>7000	10500	148.33
	0.30	12	2450	>7000	3310	>7000	10500	165.95
	0.28	11	2670	>7000	3590	>7000	10500	180.23
	0.24	9.4	3140	>7000	4230	>7000	10500	212.46
	0.21	8.3					10500	240.48
	0.19	7.6					10500	262.65

m kg		CM3C../D		
		100LM_0070	100LM_0095	
R127	2	225	225	
R127	3	240	240	
RF: + 11.2 kg / RM: + 107.1 kg				

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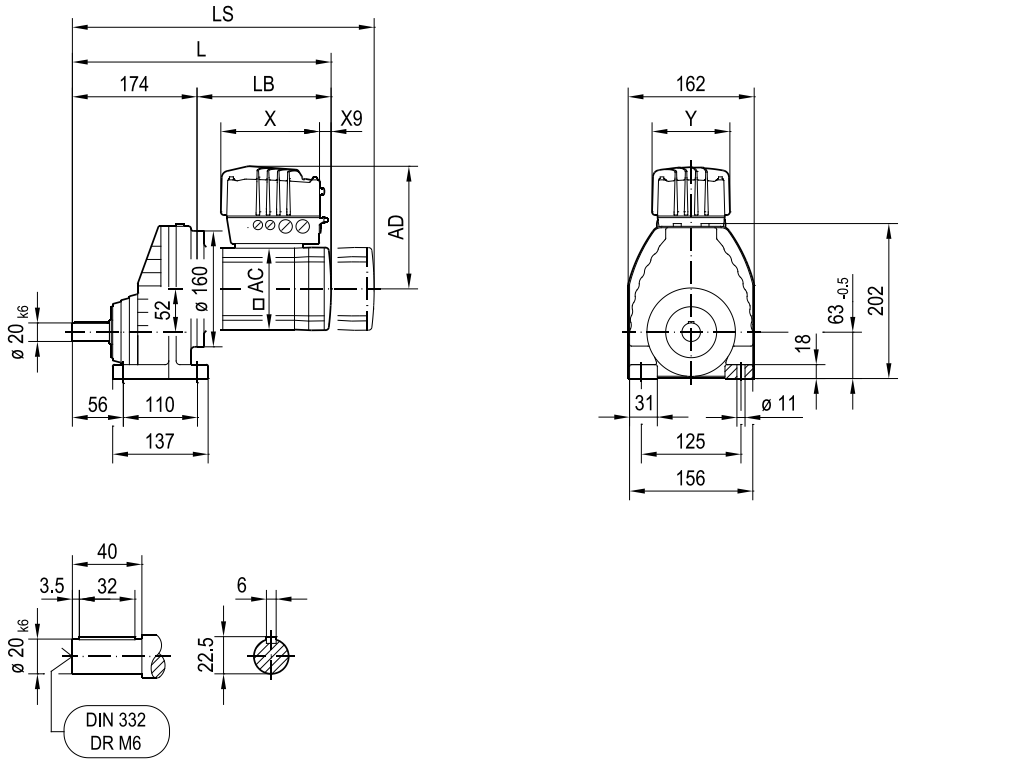
CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	R	RF	RM	R	RF	RM
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
R127 2	5.55[1)]	3930	4590	6880	371	164	37600	37600	40900	43000	43000	43000
	6.56	3930	4590	6880	369	122	40200	40200	43000	43000	43000	43000
	7.51	3930	4590	6880	368	99	42400	42400	43000	43000	43000	43000
	8.85	3930	4590	6880	366	78	43000	43000	43000	43000	43000	43000
	8.96[1)]	5420	7000	10500	160	148	41400	41400	43000	43000	43000	42100
	10.59	5700	7000	10500	136	111	43000	43000	43000	43000	43000	42100
	12.12	5940	7000	10500	119	91	43000	43000	43000	43000	43000	42100
	14.29	6000	7000	10500	115	71	43000	43000	43000	43000	43000	42100
	16.37	6000	7000	10500	115	58	43000	43000	43000	43000	43000	42100
	19.04	6000	7000	10500	116	47	43000	43000	43000	43000	43000	42100
	20.98	6000	7000	10500	116	41	43000	43000	43000	43000	43000	42100
	23.65	6000	7000	10500	116	34	43000	43000	43000	43000	43000	42100
	26.04	6000	7000	10500	116	29	43000	43000	43000	43000	43000	42100
	28.84	6000	6760	10100	117	23	43000	43000	43000	43000	43000	42300
	32.18	6000	6660	9990	117	19	43000	43000	43000	43000	43000	42400
R127 3	30.84	5380	7000	10500	49	62	43000	43000	43000	43000	43000	42100
	36.88	5730	7000	10500	41	48	43000	43000	43000	43000	43000	42100
	42.22	6000	7000	10500	36	39	43000	43000	43000	43000	43000	42100
	49.81	6000	7000	10500	36	32	43000	43000	43000	43000	43000	42100
	55.09	6000	7000	10500	36	27	43000	43000	43000	43000	43000	42100
	62.13	6000	7000	10500	36	23	43000	43000	43000	43000	43000	42100
	68.61	6000	7000	10500	36	20	43000	43000	43000	43000	43000	42100
	76.21	6000	7000	10500	37	17	43000	43000	43000	43000	43000	42100
	82.17	6000	7000	10500	21	34	43000	43000	43000	43000	43000	42100
	85.26	6000	7000	10500	37	14	43000	43000	43000	43000	43000	42100
	96.95	6000	7000	10500	21	28	43000	43000	43000	43000	43000	42100
	107.23	6000	7000	10500	22	24	43000	43000	43000	43000	43000	42100
	120.92	6000	7000	10500	22	20	43000	43000	43000	43000	43000	42100
	133.53	6000	7000	10500	22	18	43000	43000	43000	43000	43000	42100
	148.33	6000	7000	10500	22	15	43000	43000	43000	43000	43000	42100
	165.95	6000	7000	10500	22	13	43000	43000	43000	43000	43000	42100
	180.23	6000	7000	10500	22	12	43000	43000	43000	43000	43000	42100
	212.46	6000	7000	10500	21	9.2	43000	43000	43000	43000	43000	42100
	240.48	6000	7000	10500	19	5.9	43000	43000	43000	43000	43000	42100
	262.65	6000	7000	10500	17	5.1	43000	43000	43000	43000	43000	42100

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5.3 Dimension sheets for R..CM3C../D.. in mm

01 054 00 20

RX57..

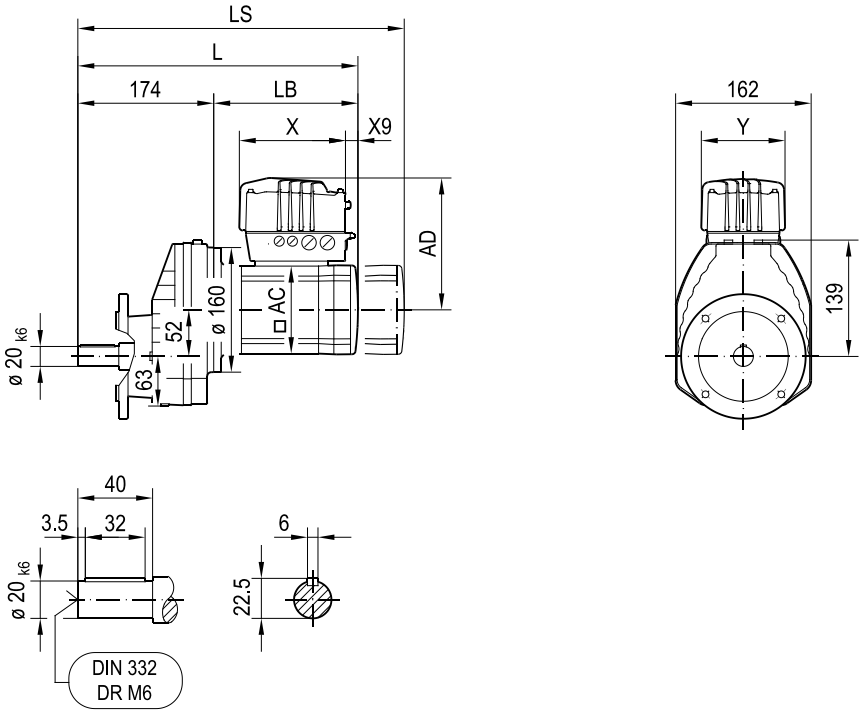


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	436	436	462	598	598			
LS	477	477	503	622	622			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

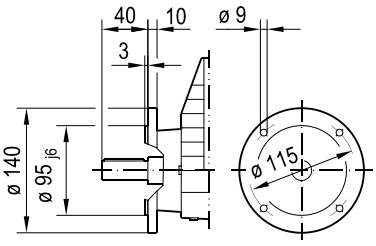
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RXF57..

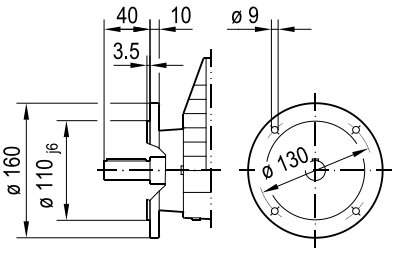
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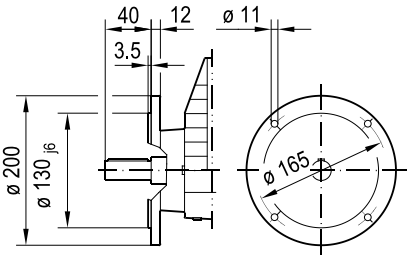
ø 140



ø 160



ø 200

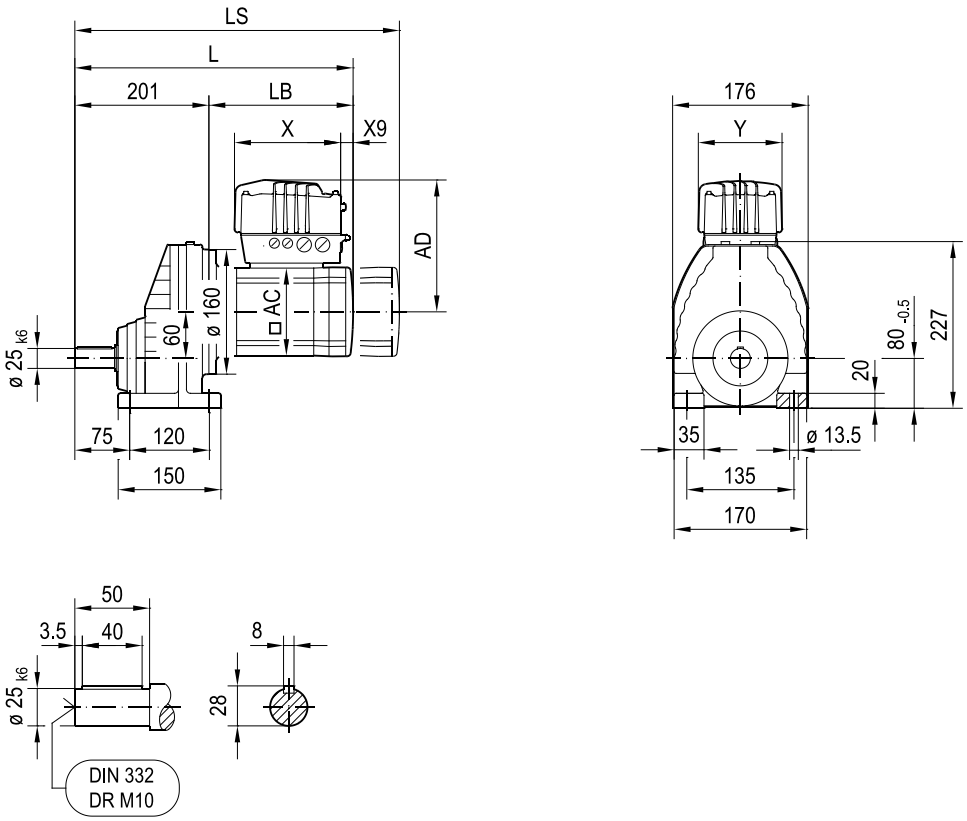


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	436	436	462	598	598			
LS	477	477	503	622	622			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 056 00 20

RX67..

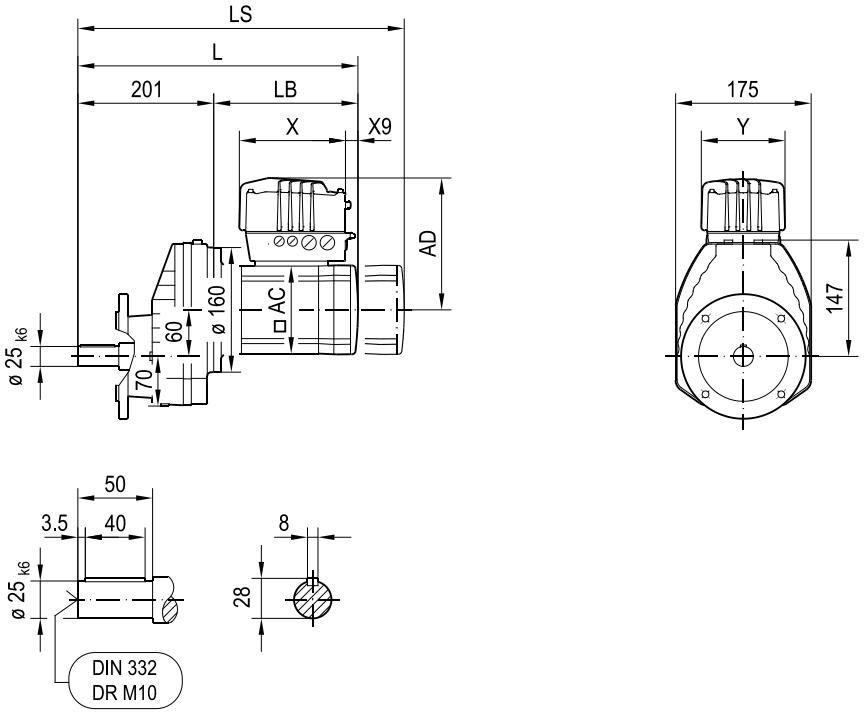


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	463	463	489	625	625			
LS	504	504	530	649	649			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

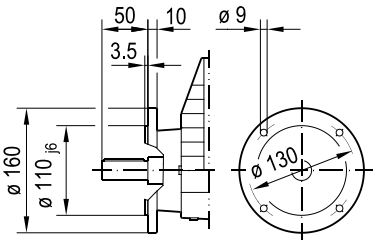
31546617/EN – 04/2026

RXF67..

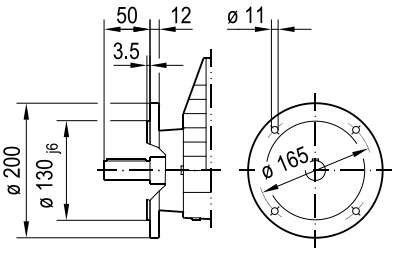
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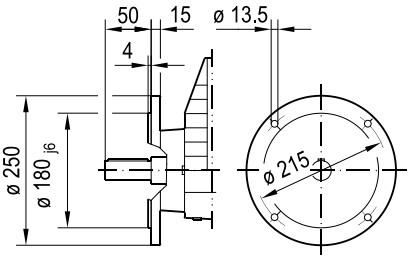
ø 160



ø 200



ø 250

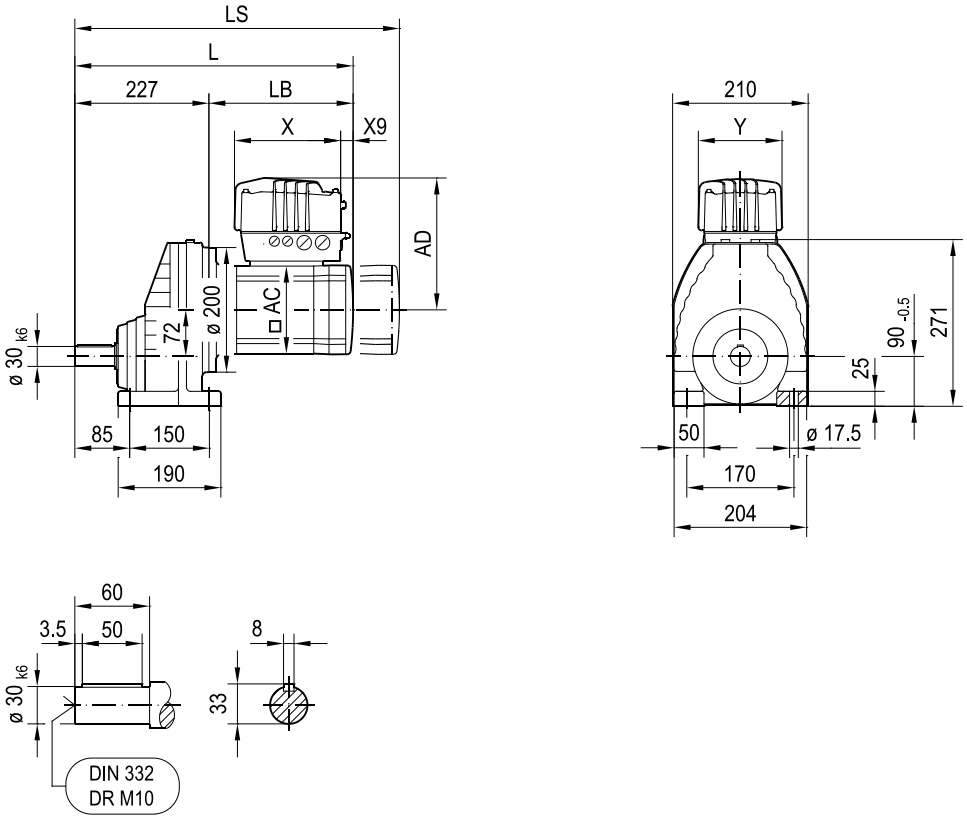


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	463	463	489	625	625			
LS	504	504	530	649	649			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 058 00 20

RX77..

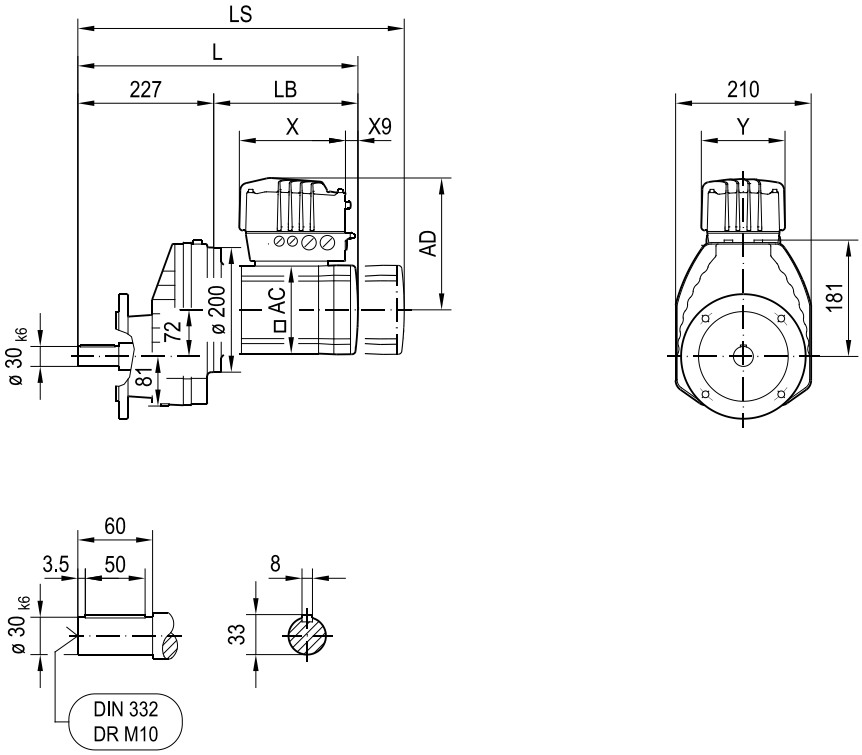


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	481	481	507	640	640			
LS	522	522	548	664	664			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

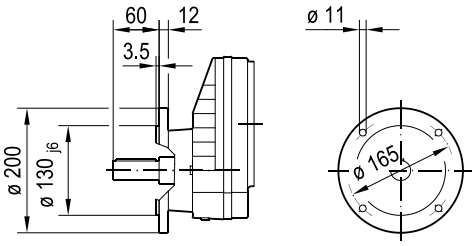
31546617/EN – 04/2026

01 059 00 20

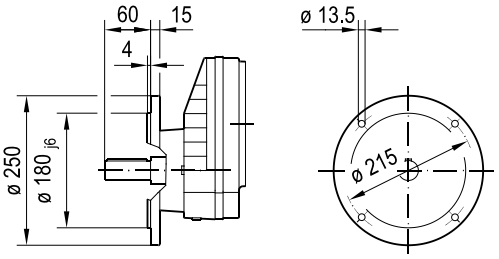
RXF77..



ø 200



ø 250

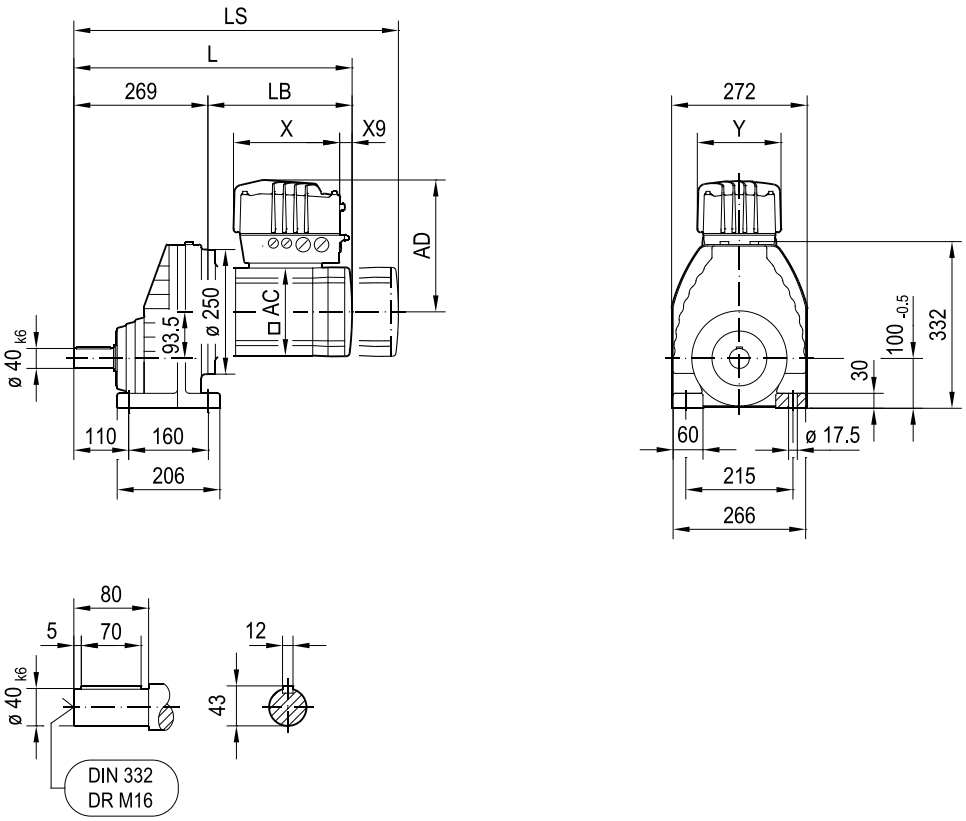


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	481	481	507	640	640			
LS	522	522	548	664	664			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

01 060 00 20

RX87..

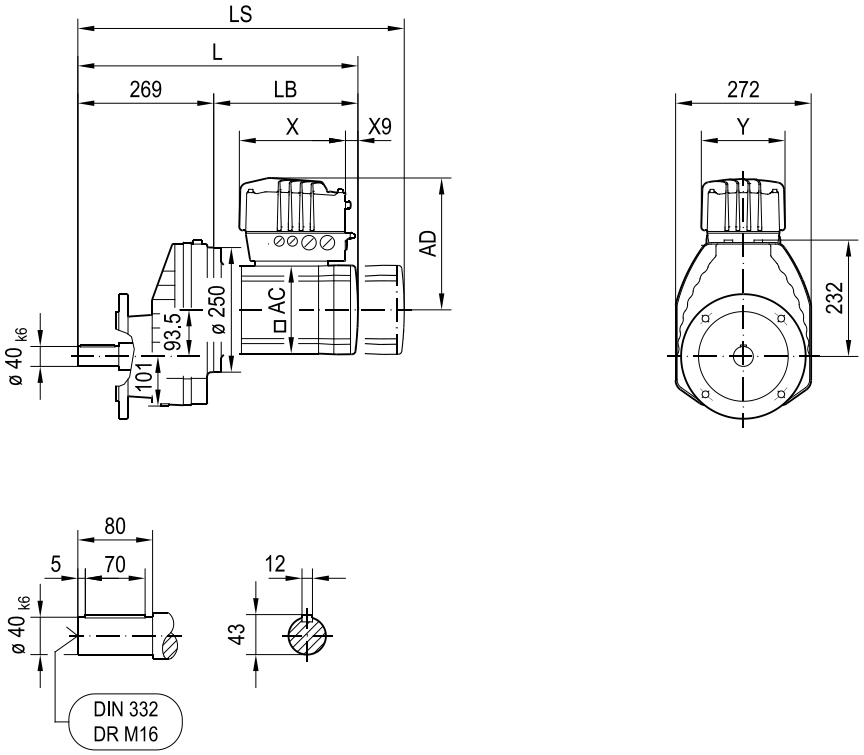


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	518	518	544	677	677			
LS	559	559	585	701	701			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

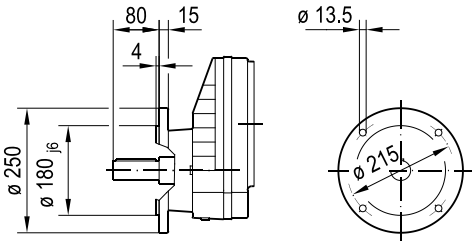
31546617/EN – 04/2026

01 061 00 20

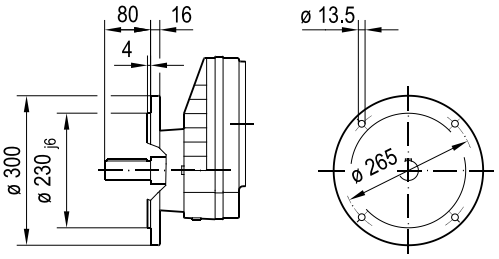
RXF87..



ø 250



ø 300

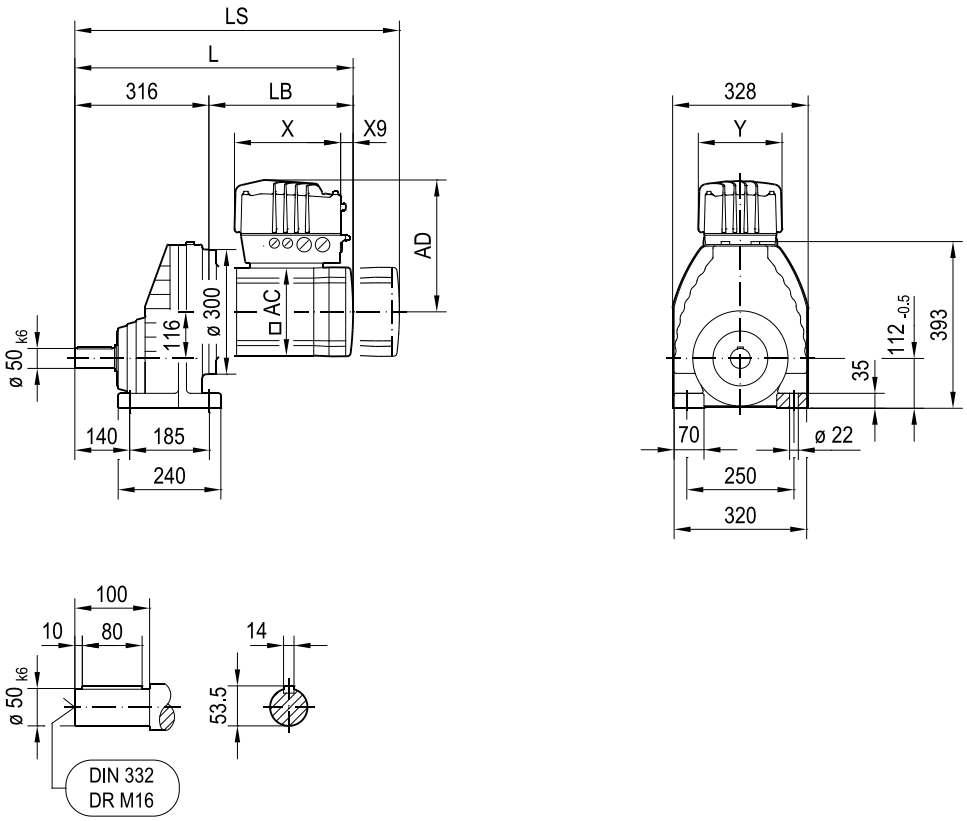


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	518	518	544	677	677			
LS	559	559	585	701	701			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

01 062 00 20

RX97..

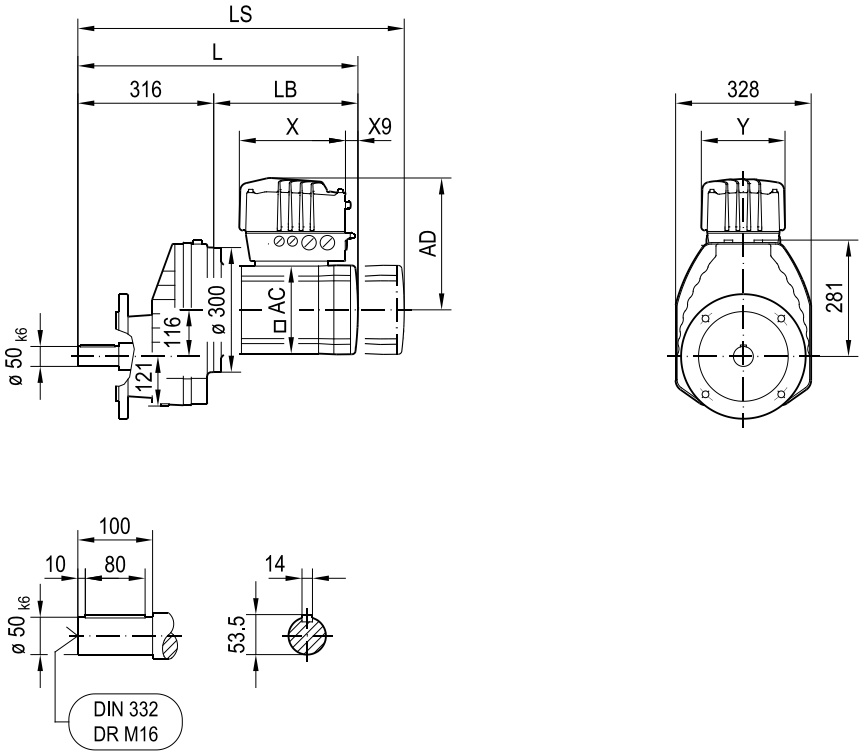


	CM3C/CM3P../D							
	80M_0055	**100LM_0070**	**100LM_0095**					
AC	140	163	163					
AD	249	289	289					
L	586	719	719					
LS	627	743	743					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

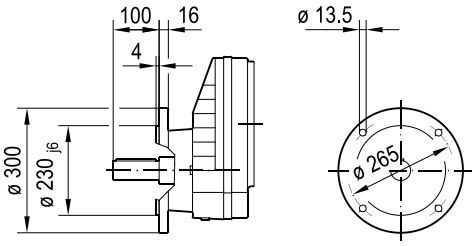
31546617/EN – 04/2026

01 063 00 20

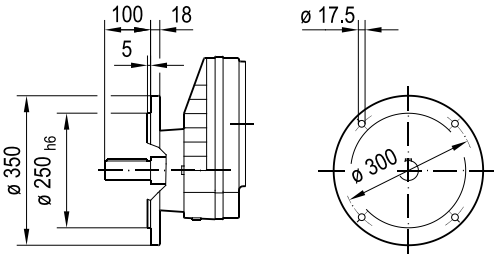
RXF97..



ø 300



ø 350

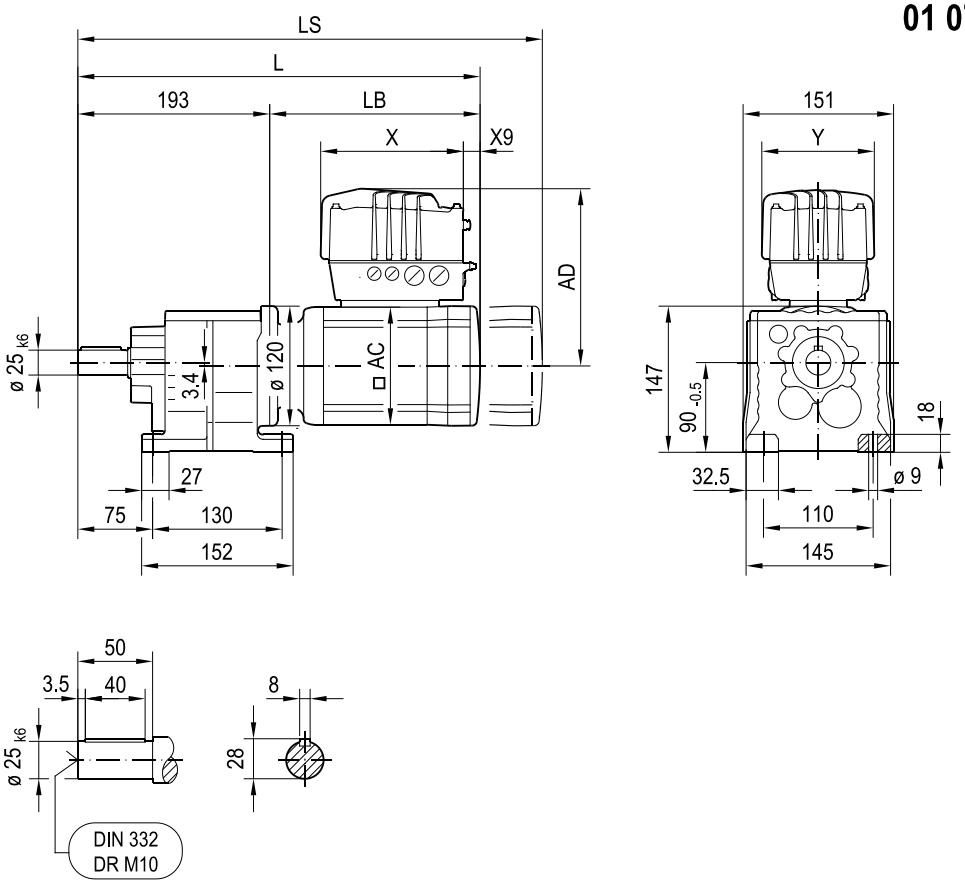


	CM3C/CM3P../D							
	80M_0055	100LM_0070	100LM_0095					
AC	140	163	163					
AD	249	289	289					
L	586	719	719					
LS	627	743	743					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

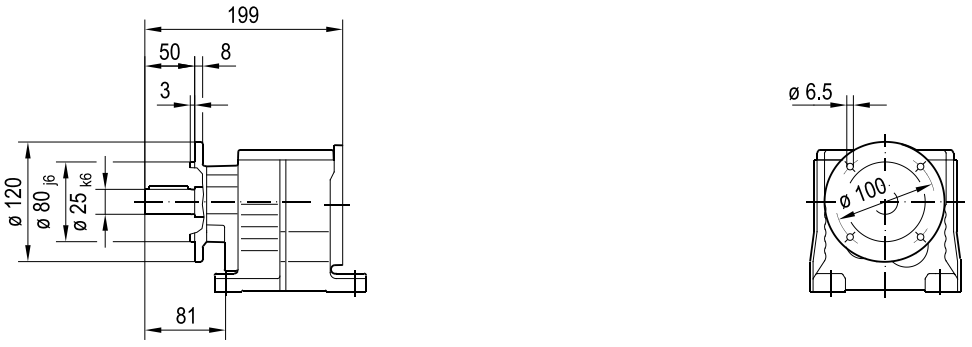
31546617/EN – 04/2026

R27..

01 072 00 20



R27F..

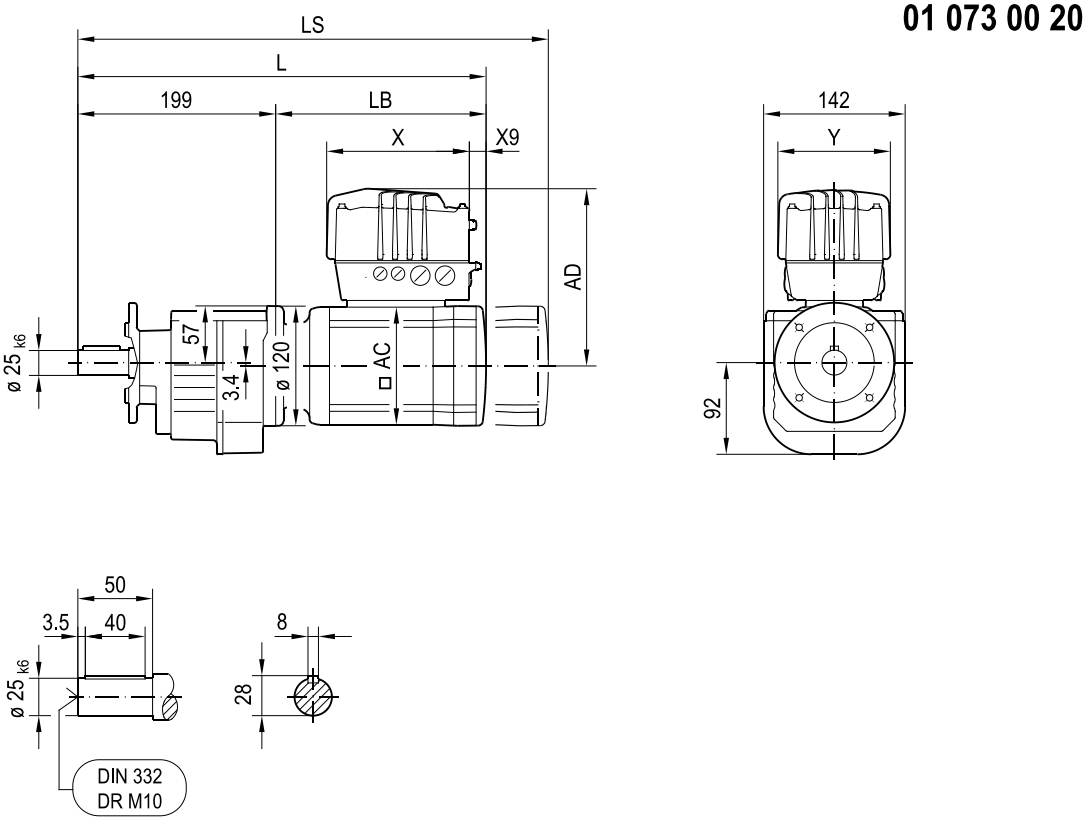


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	464	464	490					
LS	505	505	531					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

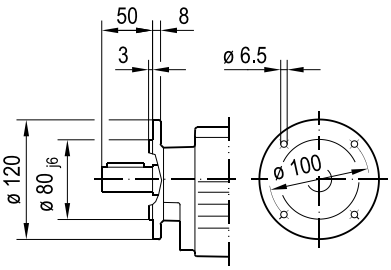
31546617/EN – 04/2026

RF27..

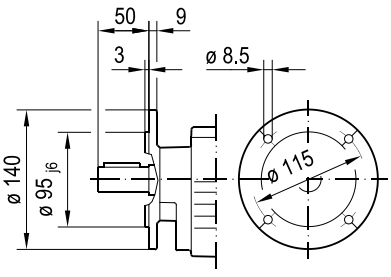
01 073 00 20



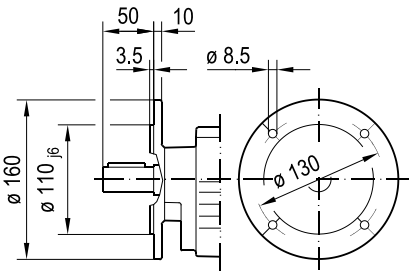
ø 120



ø 140



ø 160

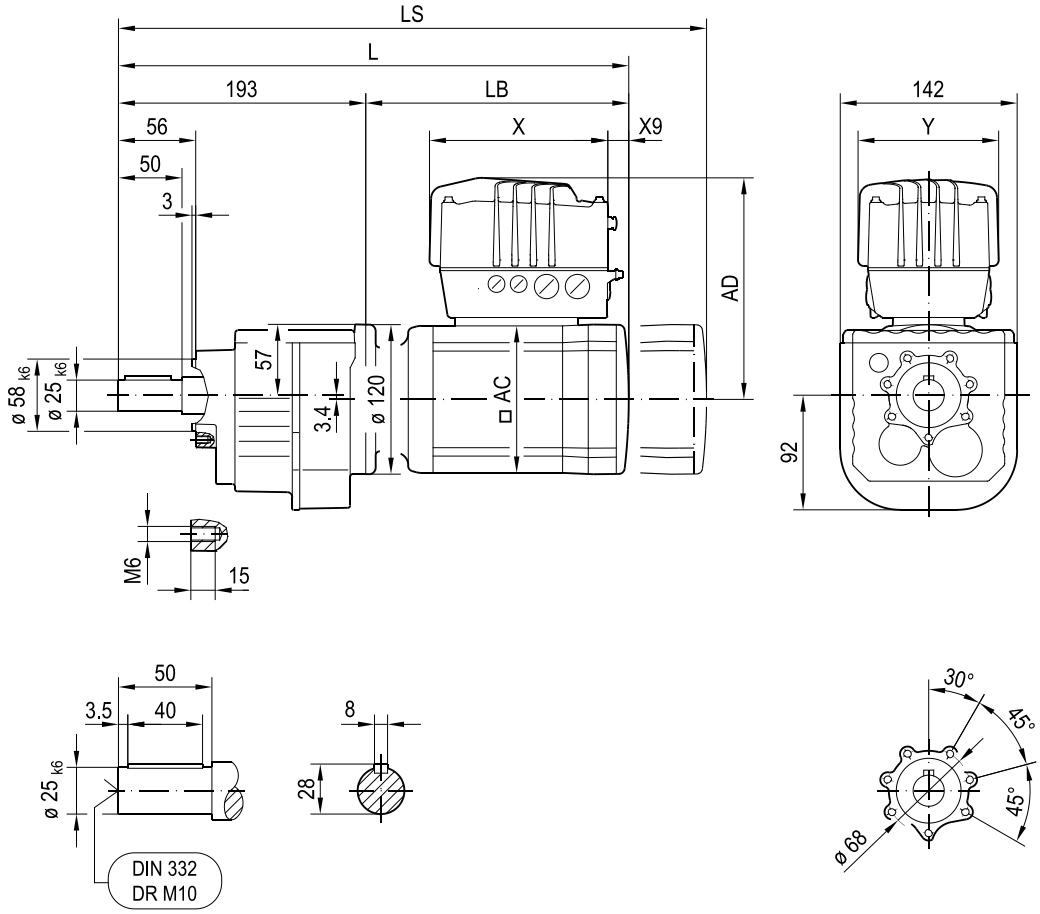


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	470	470	496					
LS	511	511	537					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

31546617/EN – 04/2026

01 074 00 20

RZ27..

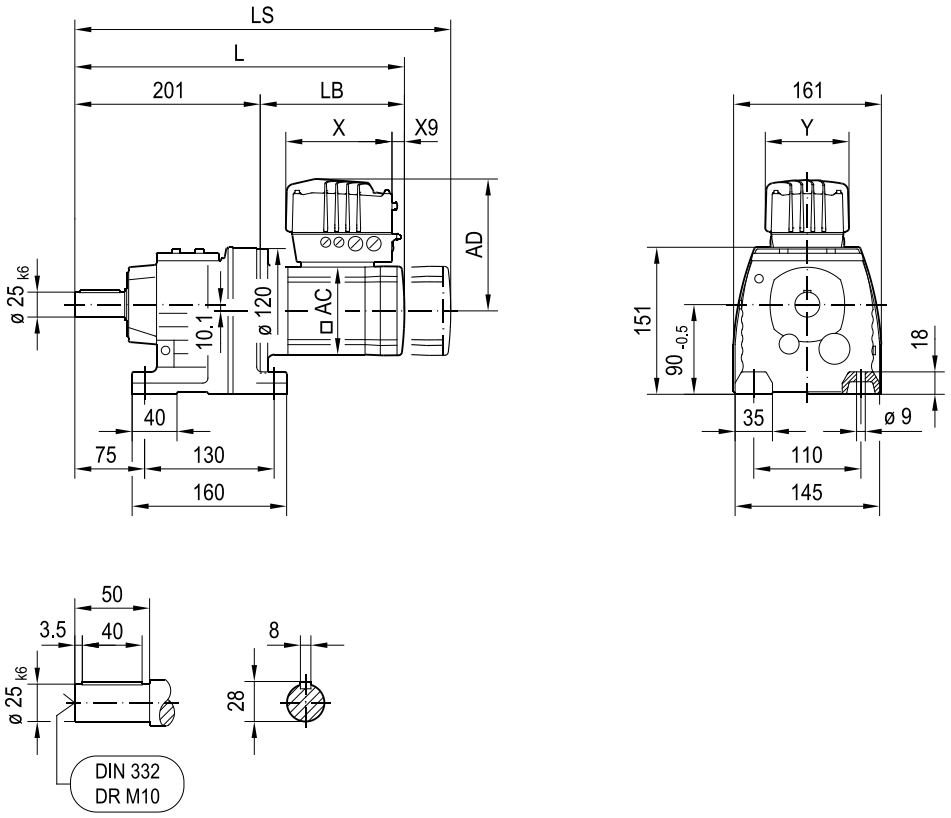


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**					
AC	140	140	140					
AD	229	249	249					
L	464	464	490					
LS	505	505	531					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

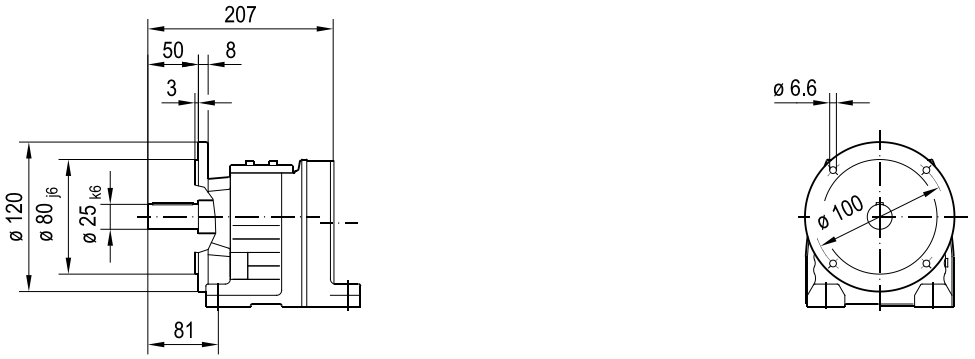
31546617/EN – 04/2026

01 075 00 20

R37..



R37F..

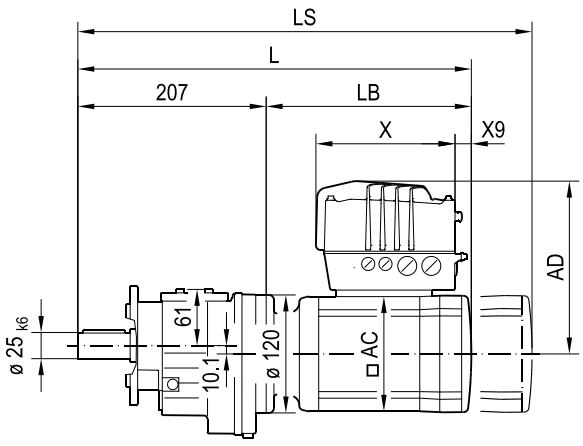


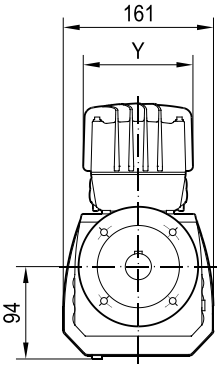
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	472	472	498					
LS	513	513	539					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

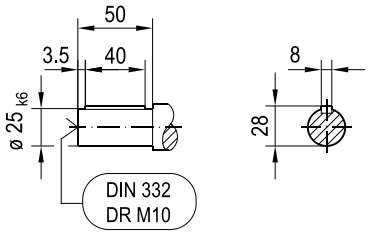
31546617/EN – 04/2026

RF37..

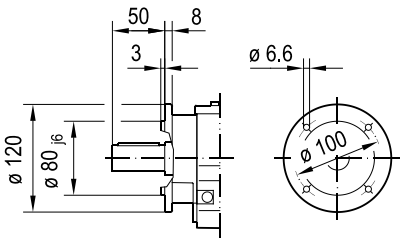
01 076 00 20



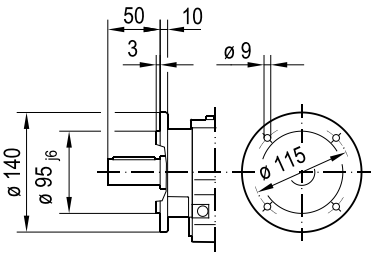




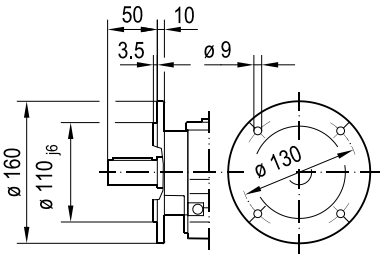
ø 120



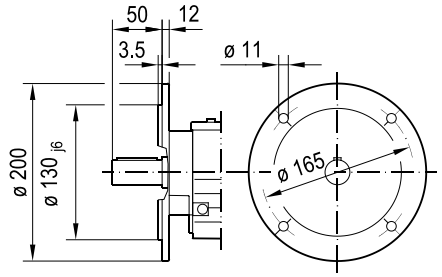
ø 140



ø 160



ø 200

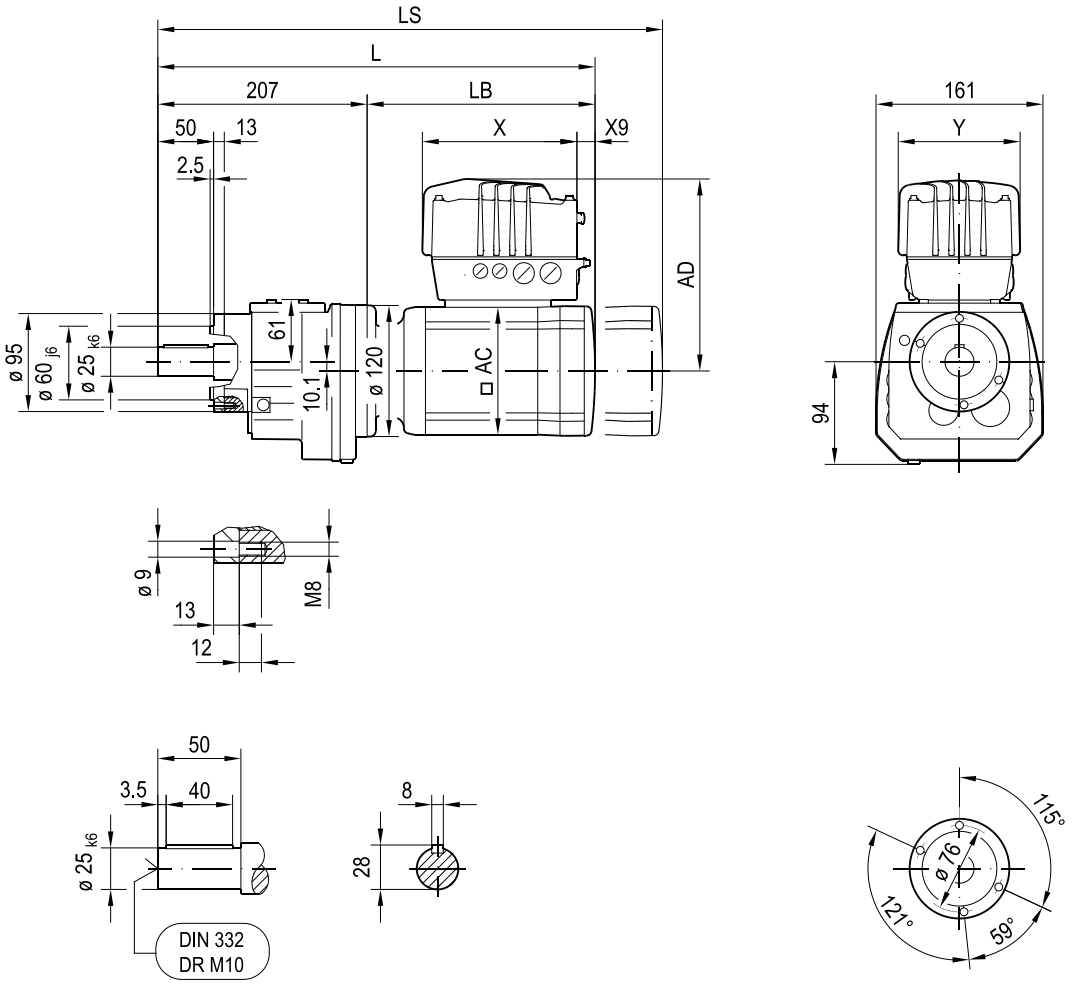


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	478	478	504					
LS	519	519	545					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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01 077 00 20

RZ37..

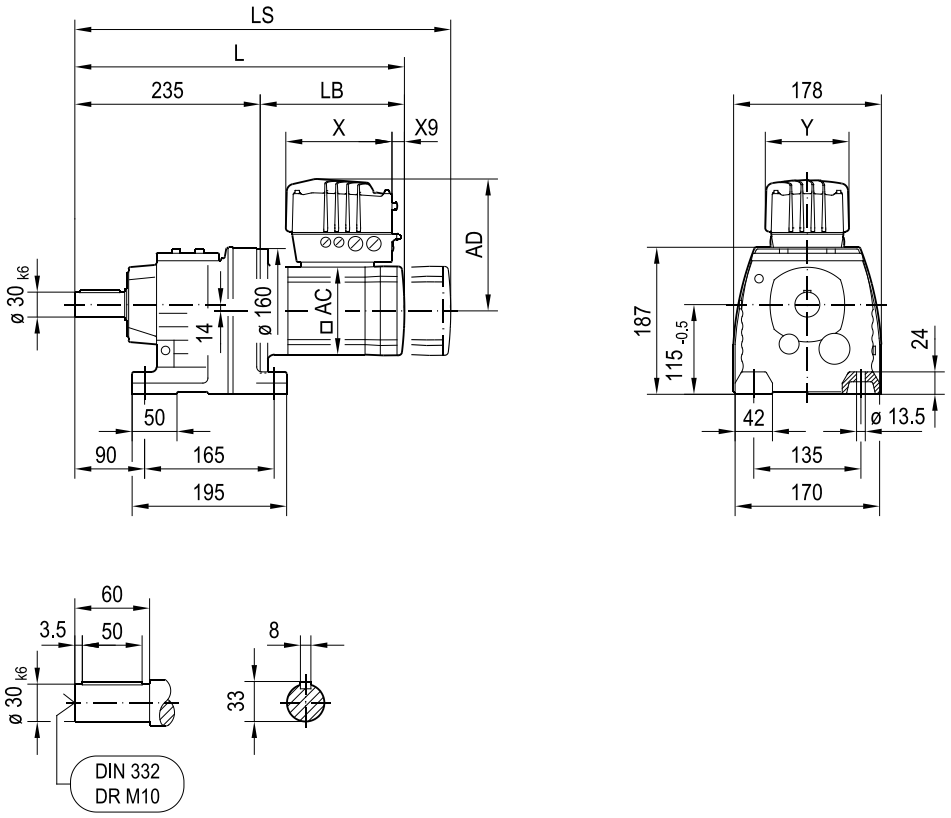


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**					
AC	140	140	140					
AD	229	249	249					
L	478	478	504					
LS	519	519	545					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

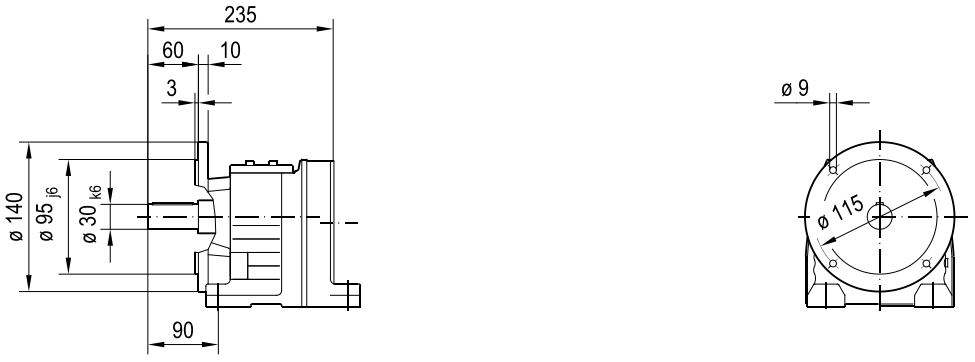
31546617/EN – 04/2026

01 078 00 20

R47..



R47F..

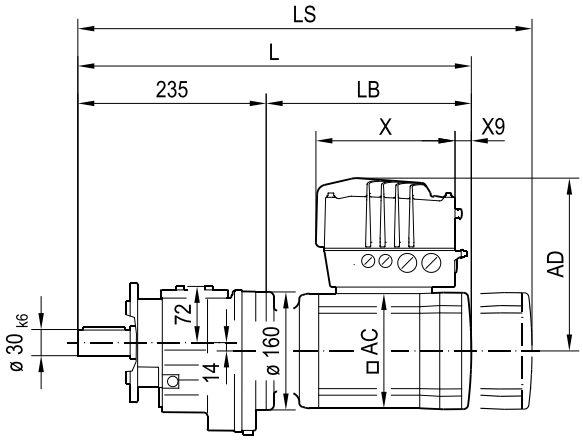


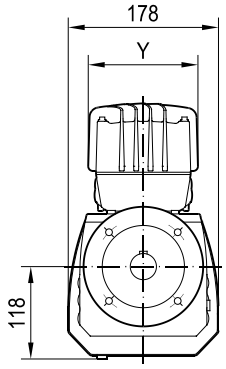
	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	497	497	523	659	659			
LS	538	538	564	683	683			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

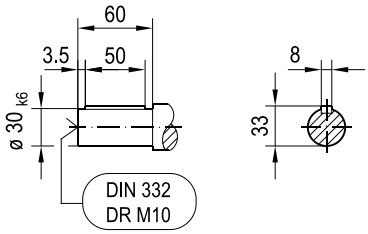
31546617/EN – 04/2026

RF47..

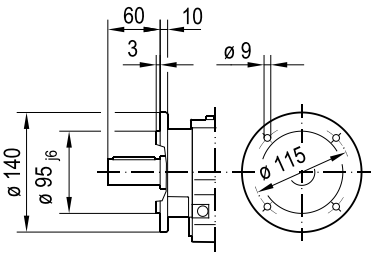
01 079 00 20



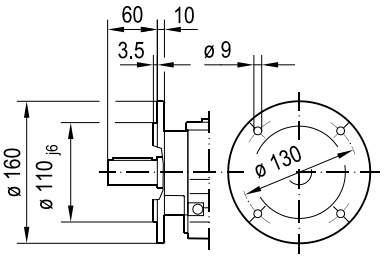




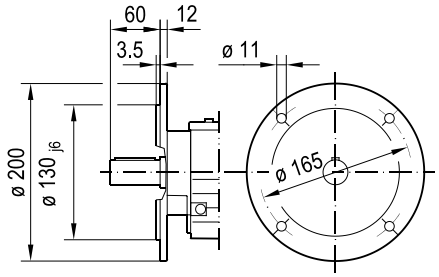
ø 140



ø 160



ø 200

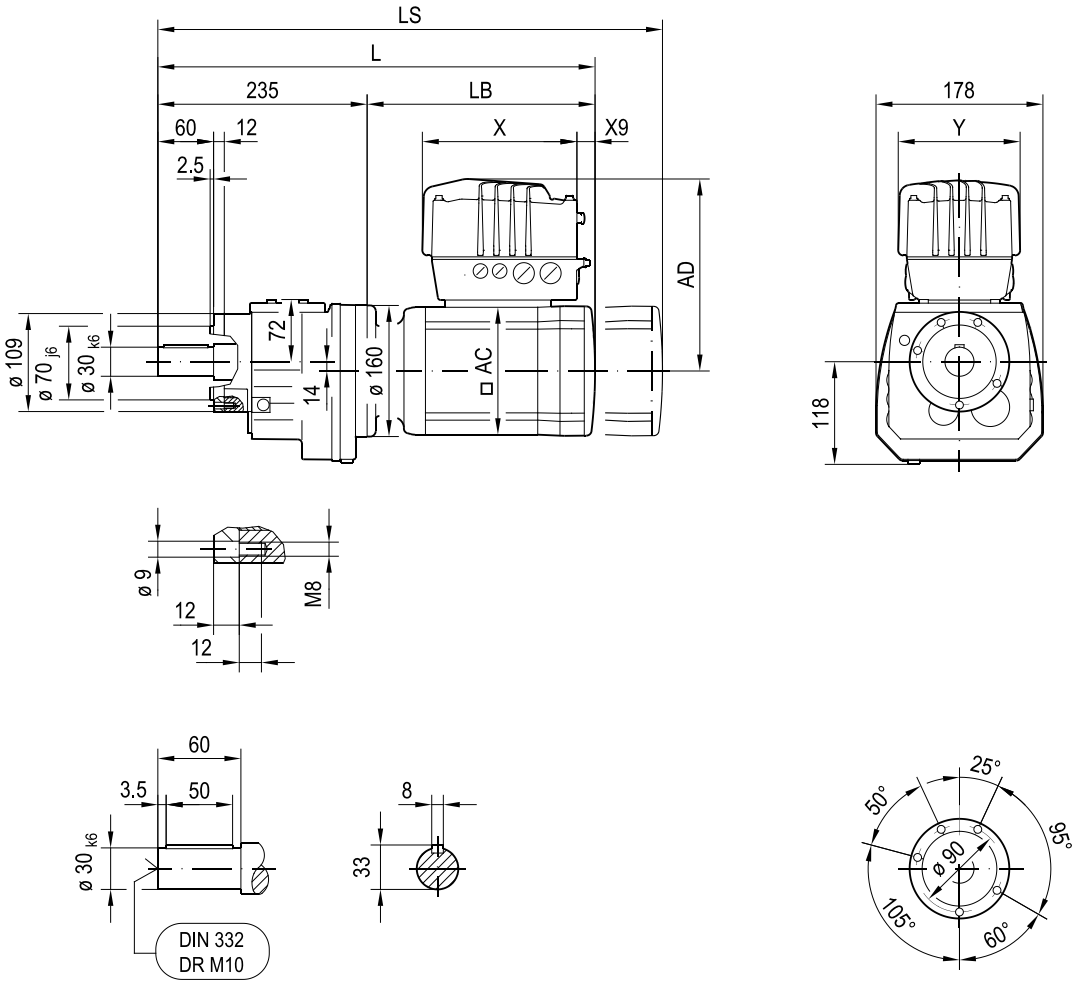


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	497	497	523	659	659			
LS	538	538	564	683	683			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

01 080 00 20

RZ47..

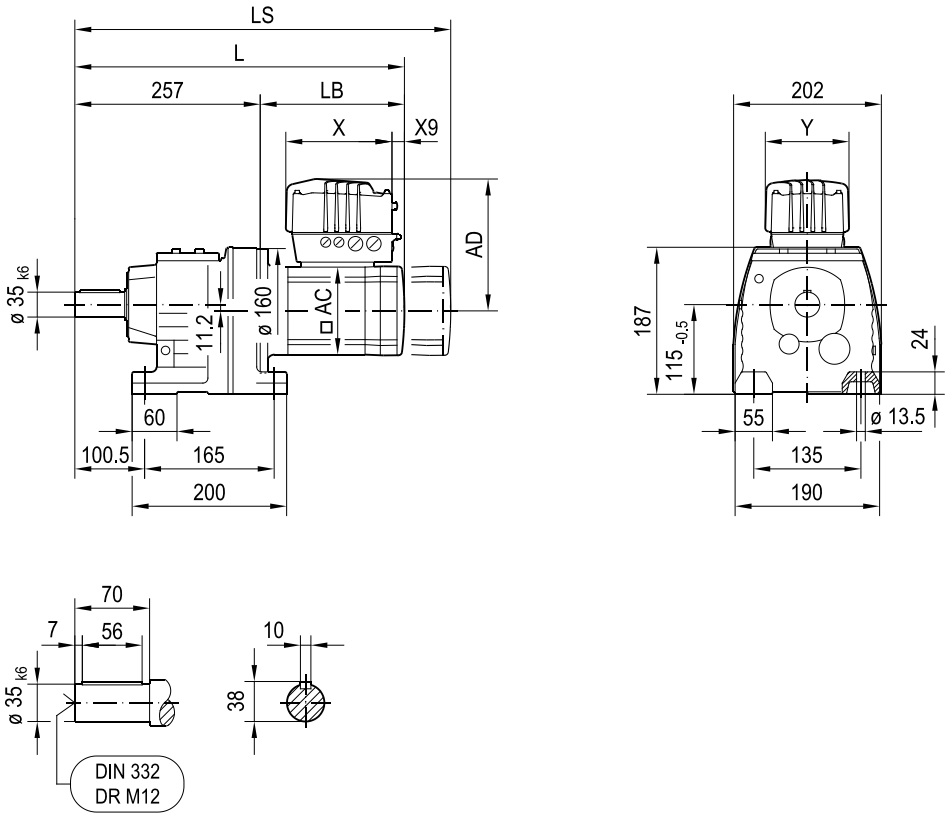


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	497	497	523	659	659			
LS	538	538	564	683	683			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

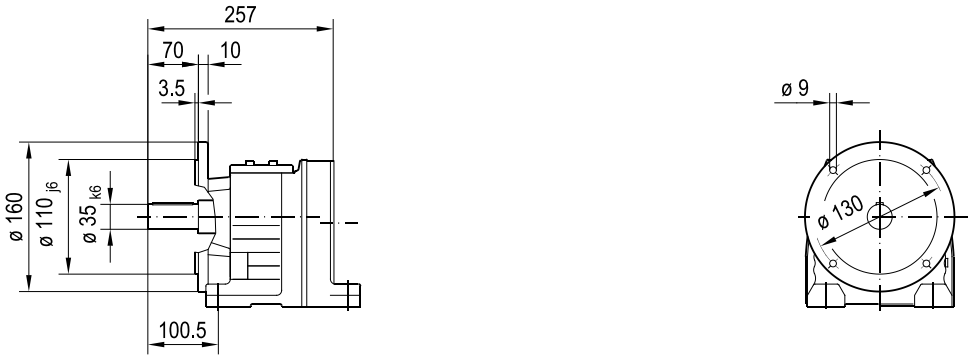
31546617/EN – 04/2026

01 081 01 20

R57..



R57F..

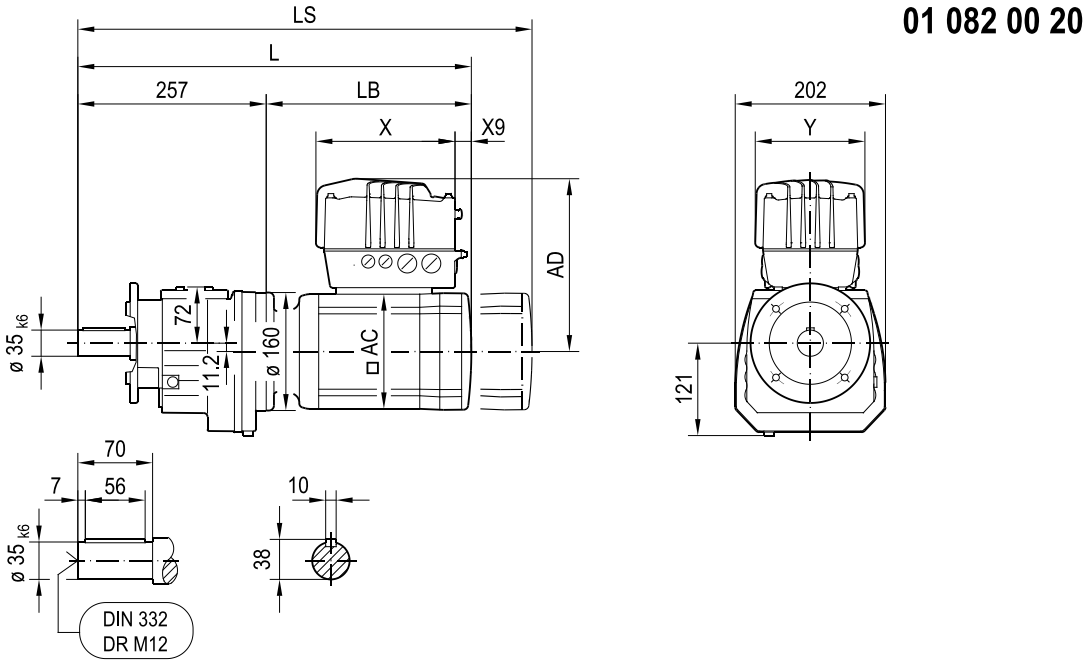


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	519	519	545	681	681			
LS	560	560	586	705	705			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

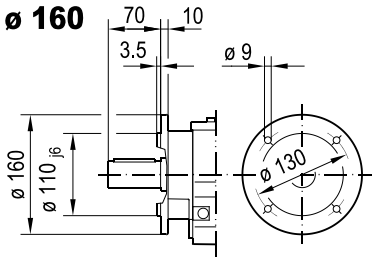
31546617/EN – 04/2026

RF57..

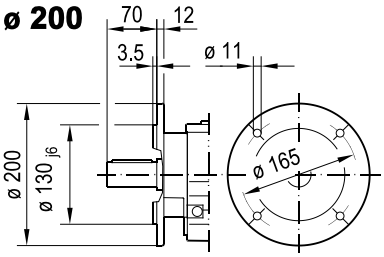
01 082 00 20



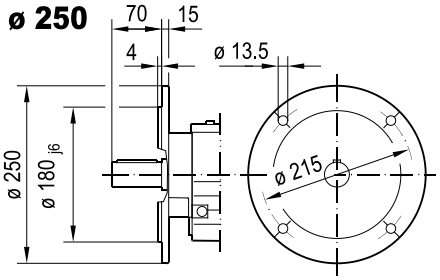
ø 160



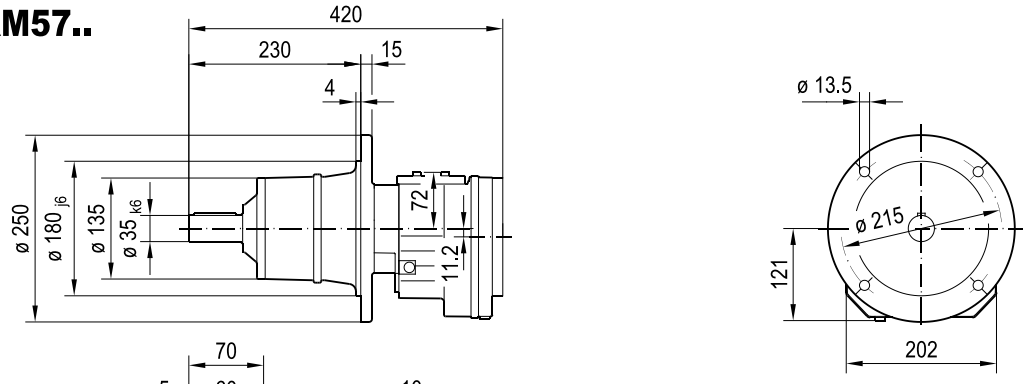
ø 200

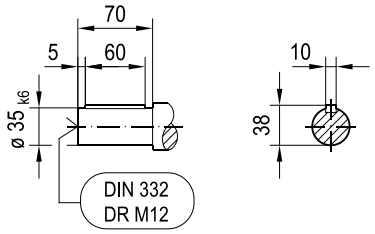


ø 250



RM57..



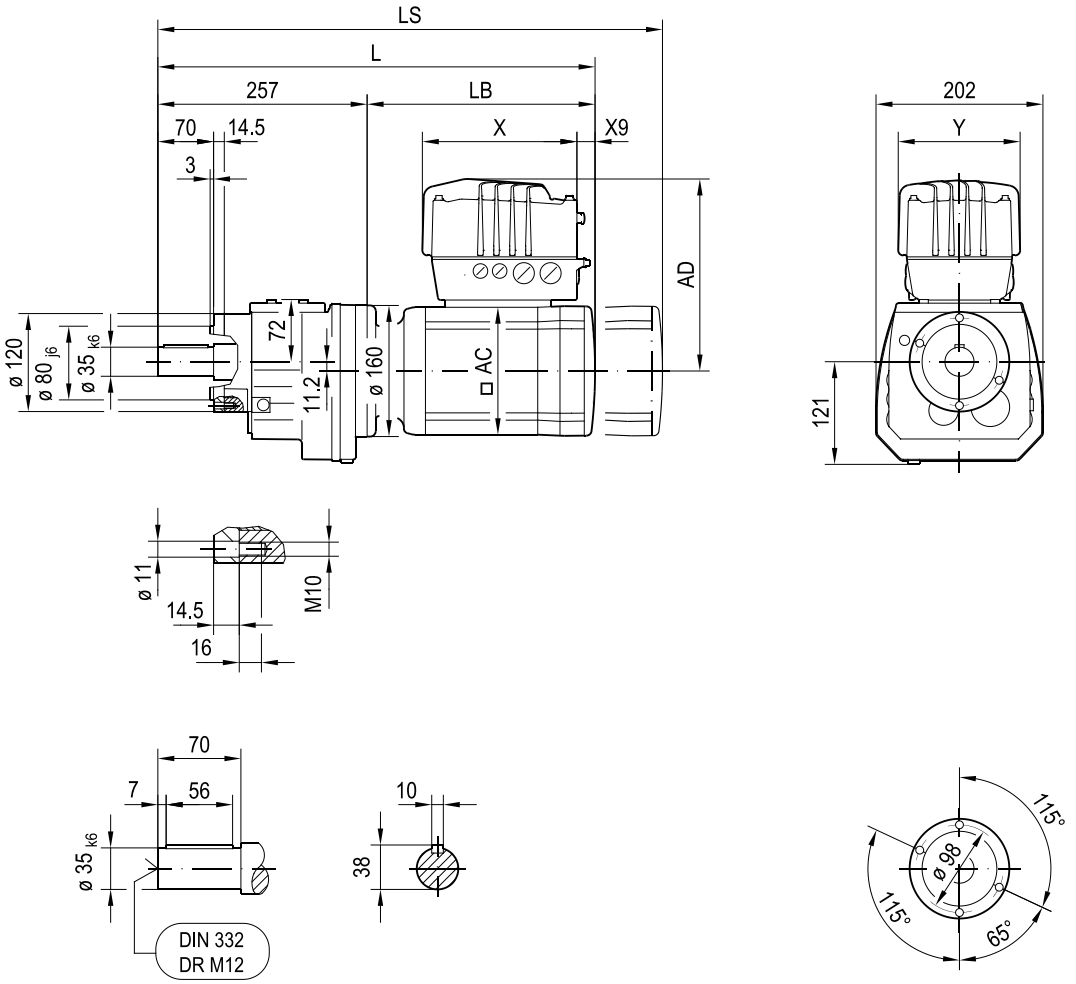


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	519	519	545	681	681			
LS	560	560	586	705	705			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 083 00 20

RZ57..

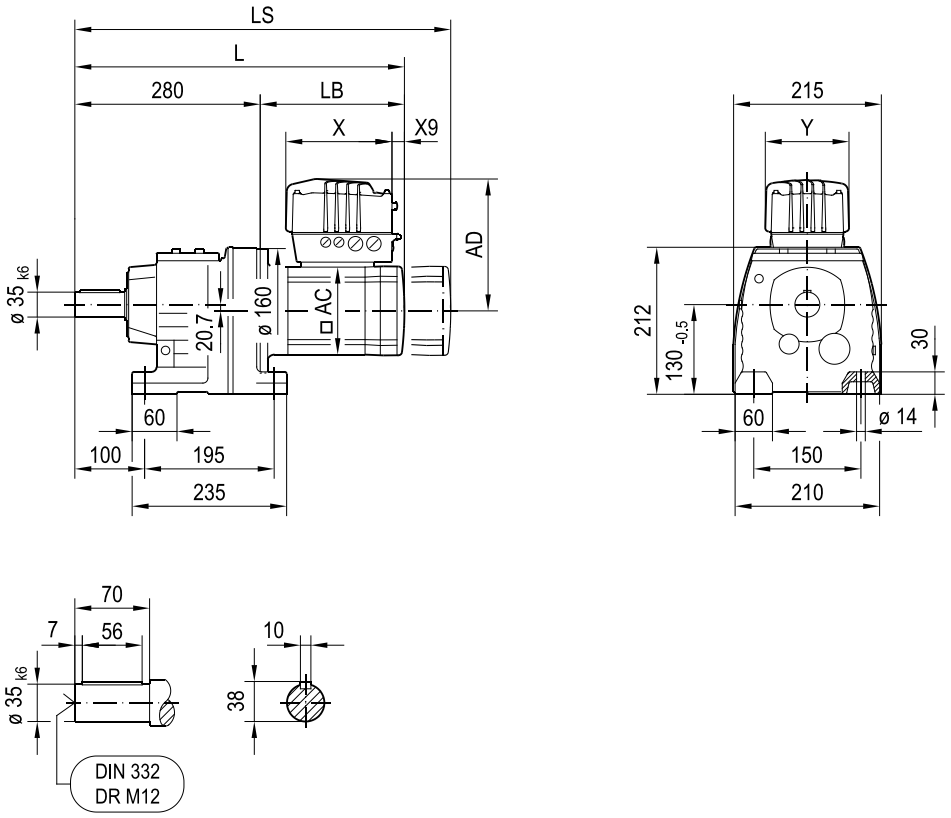


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	519	519	545	681	681			
LS	560	560	586	705	705			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

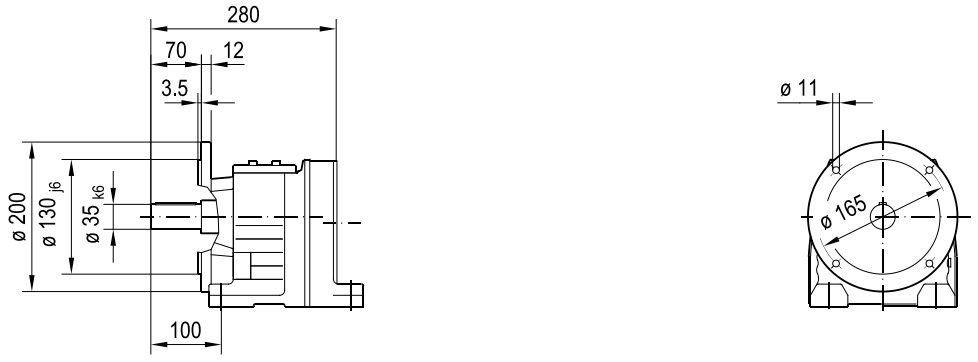
31546617/EN – 04/2026

01 084 00 20

R67..



R67F..

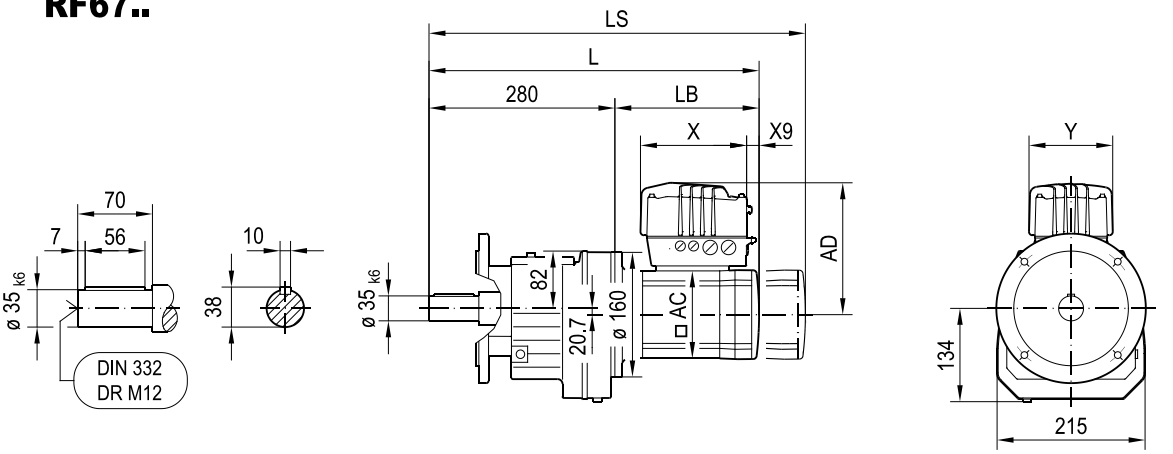


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	542	542	568	704	704			
LS	583	583	609	728	728			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

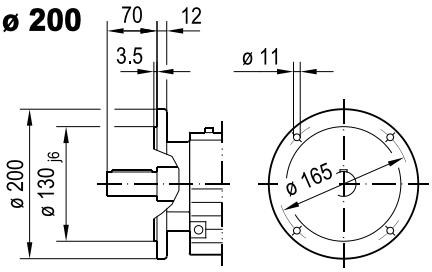
31546617/EN – 04/2026

RF67..

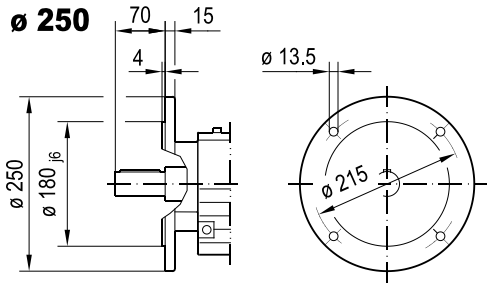
01 085 01 20



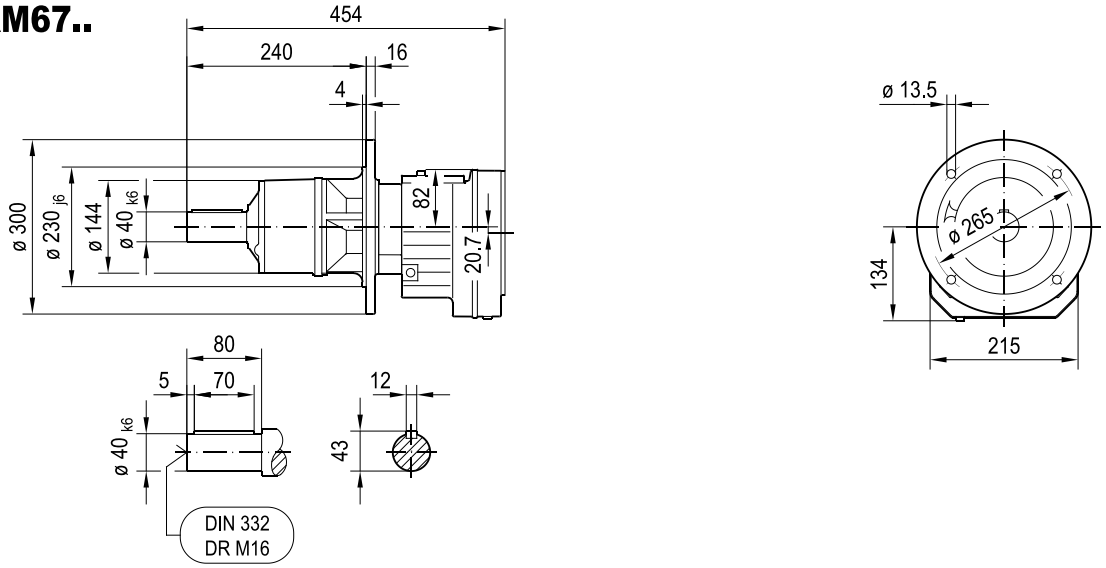
ø 200



ø 250



RM67..

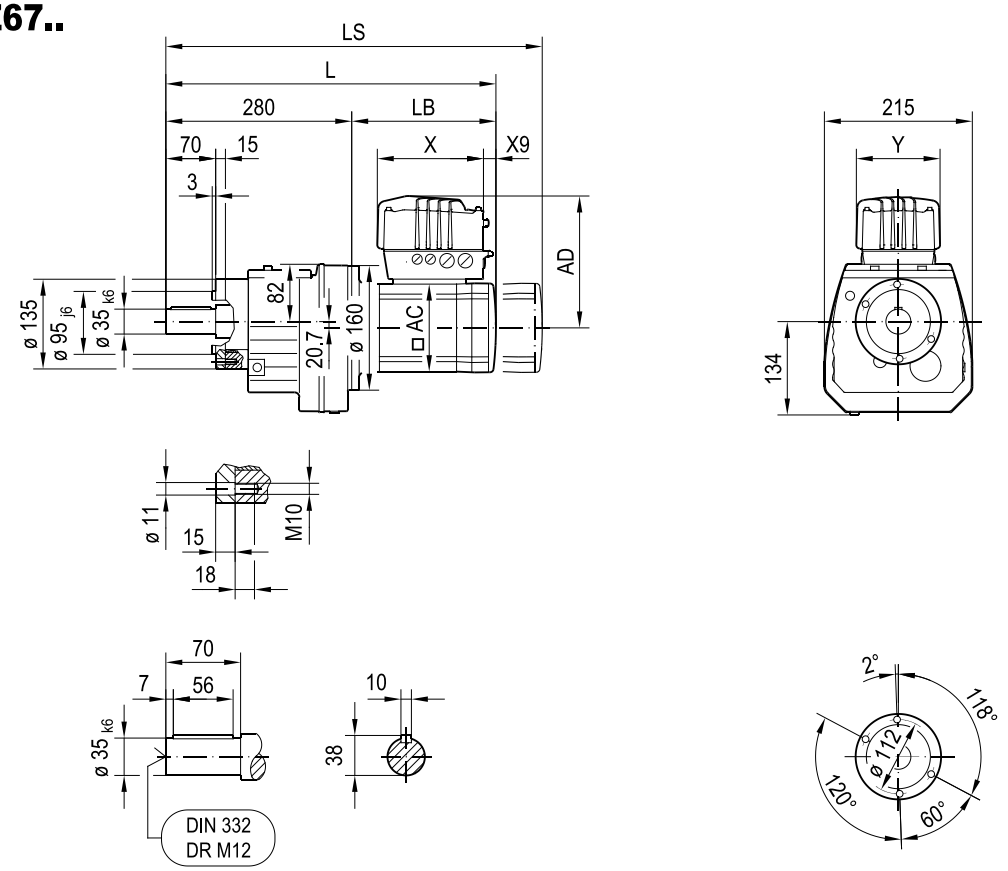


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	542	542	568	704	704			
LS	583	583	609	728	728			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 086 00 20

RZ67..

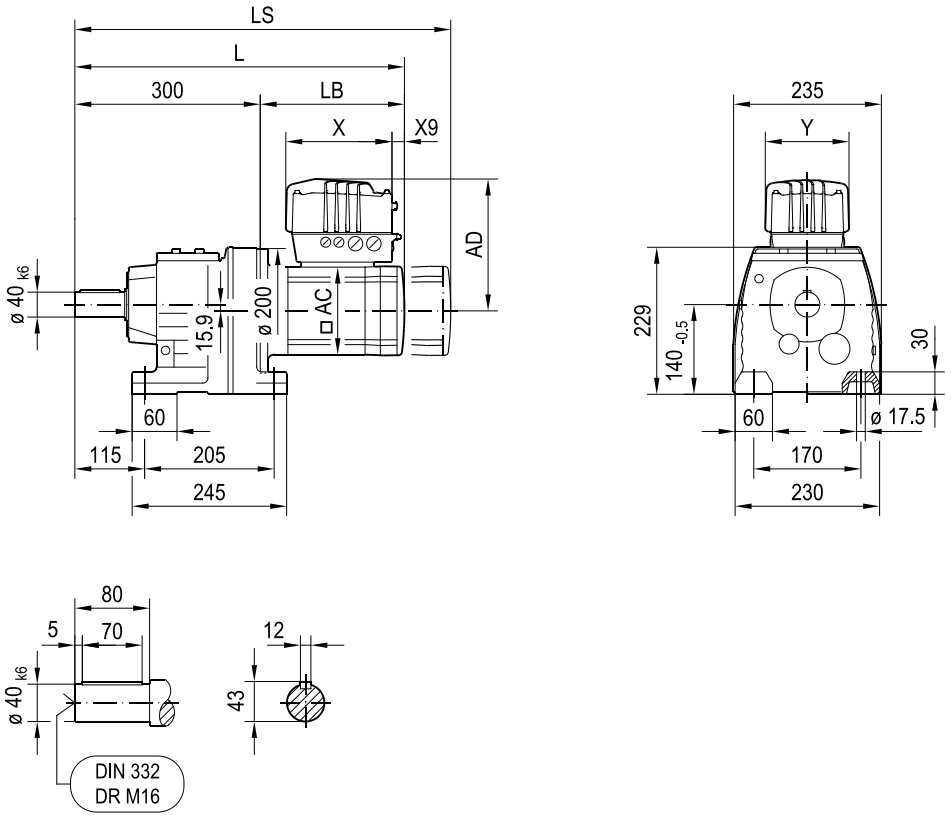


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	542	542	568	704	704			
LS	583	583	609	728	728			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

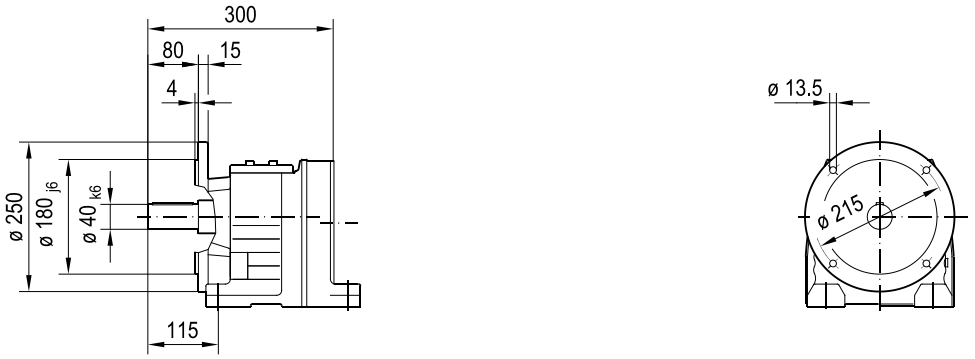
31546617/EN – 04/2026

01 087 00 20

R77..



R77F..

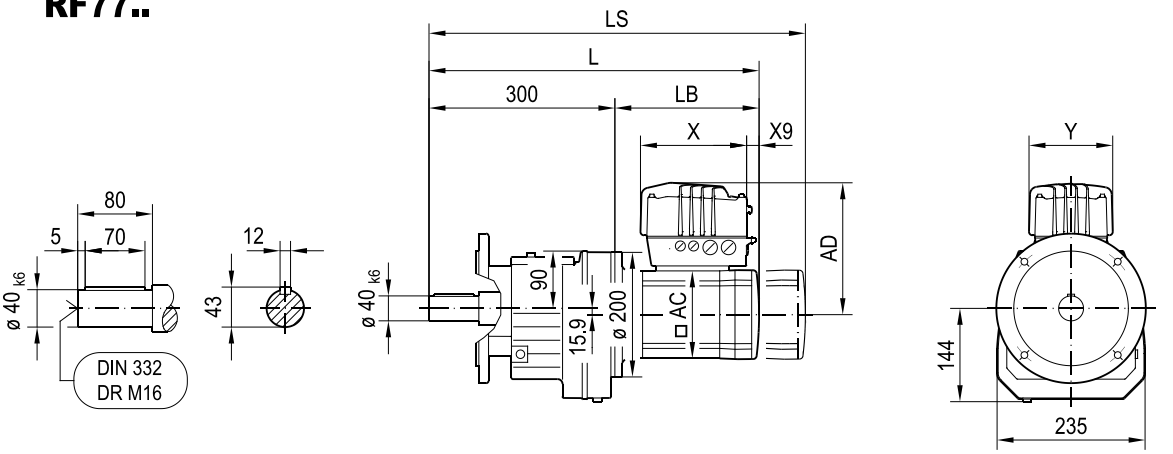


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	554	554	580	713	713			
LS	595	595	621	737	737			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

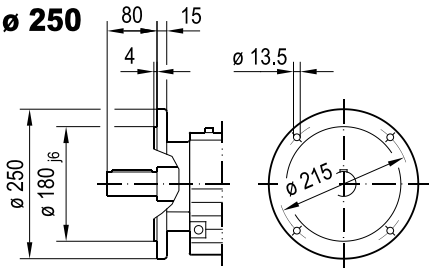
31546617/EN – 04/2026

RF77..

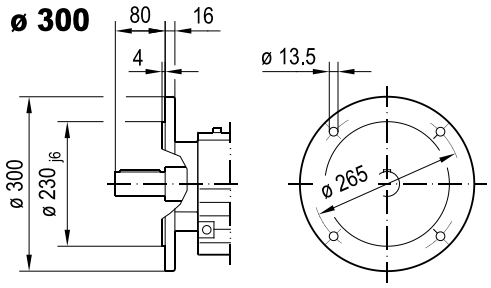
01 088 00 20



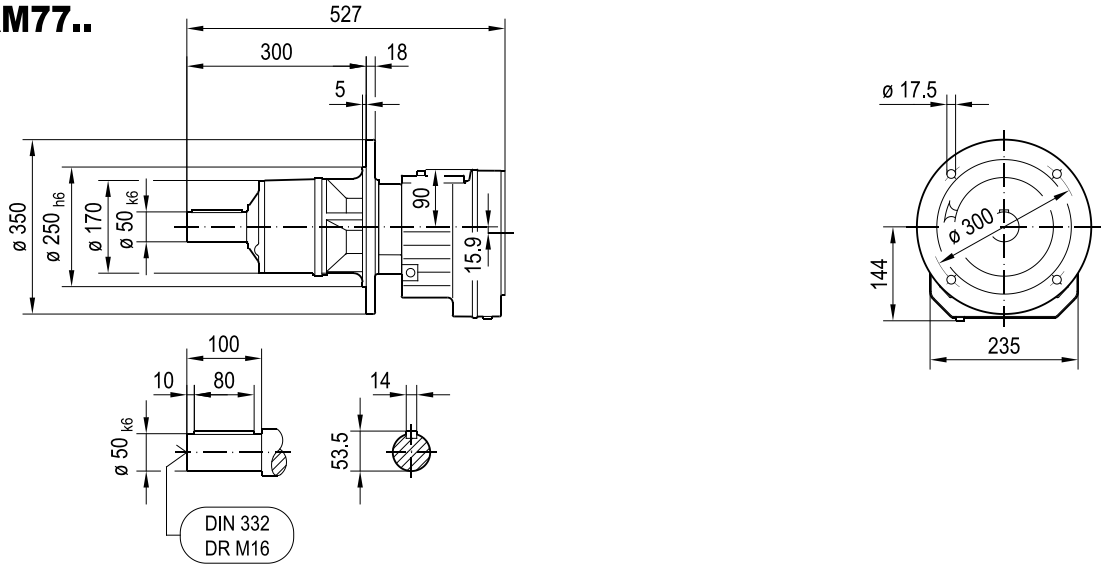
ø 250



ø 300



RM77..

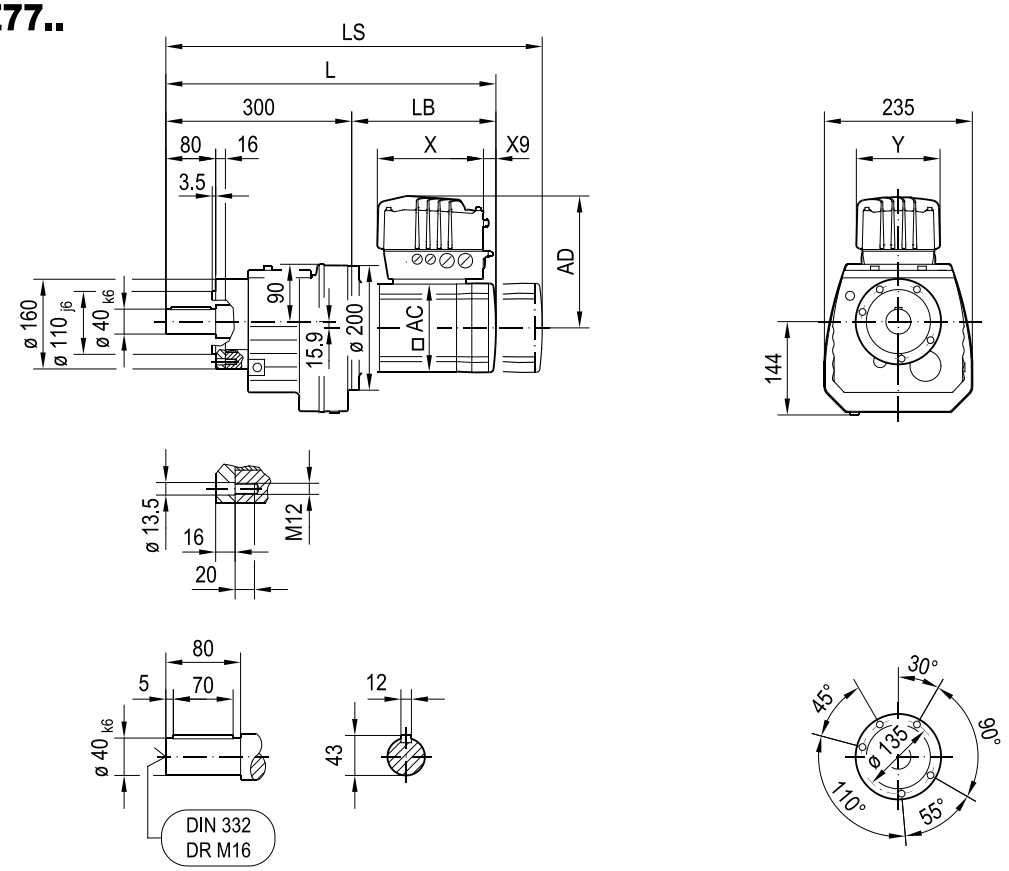


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	554	554	580	713	713			
LS	595	595	621	737	737			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 089 00 20

RZ77..

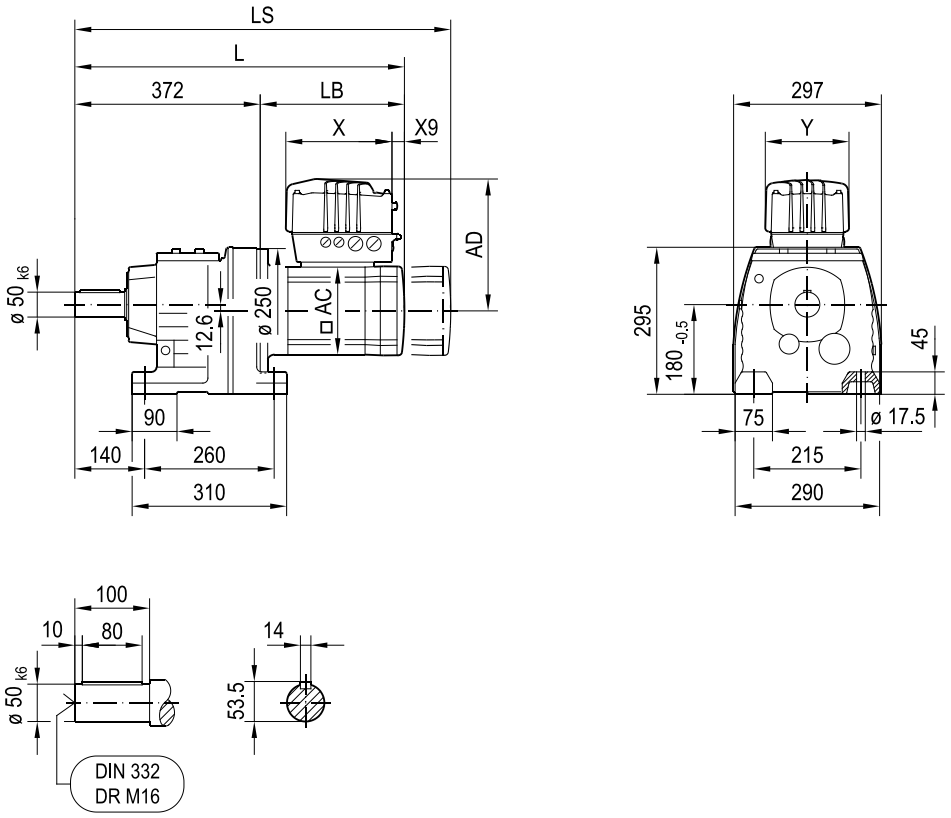


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	554	554	580	713	713			
LS	595	595	621	737	737			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

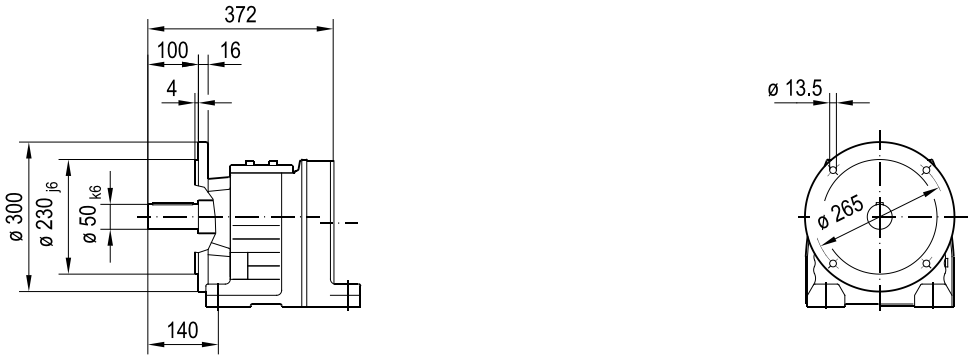
31546617/EN – 04/2026

01 090 00 20

R87..



R87F..

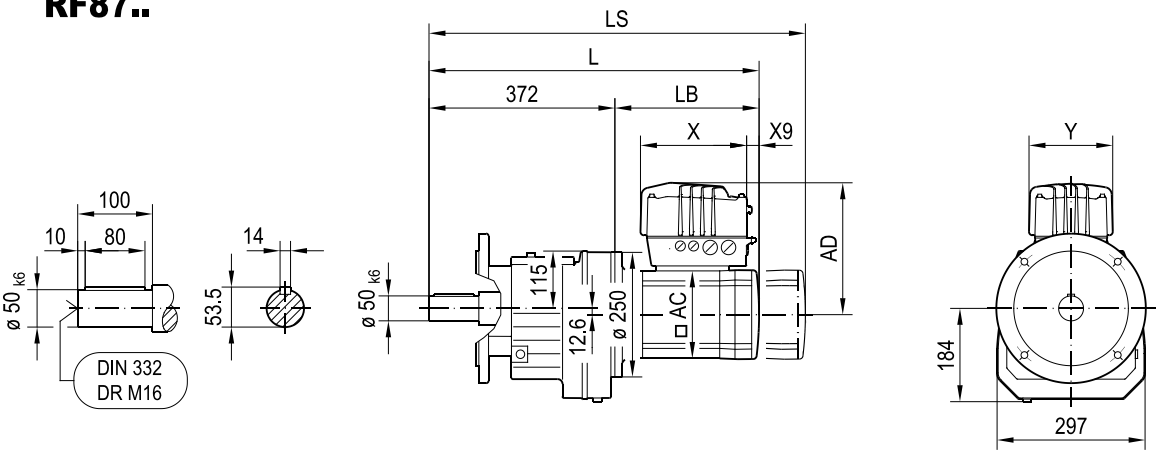


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	621	621	647	780	780			
LS	662	662	688	804	804			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

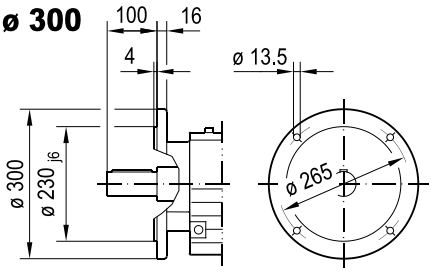
31546617/EN – 04/2026

RF87..

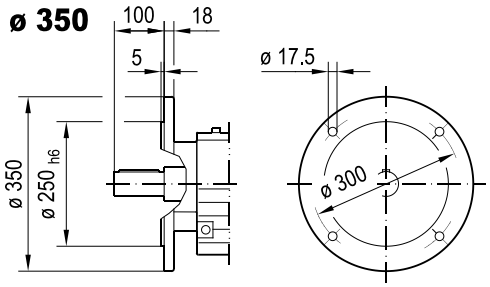
01 091 00 20



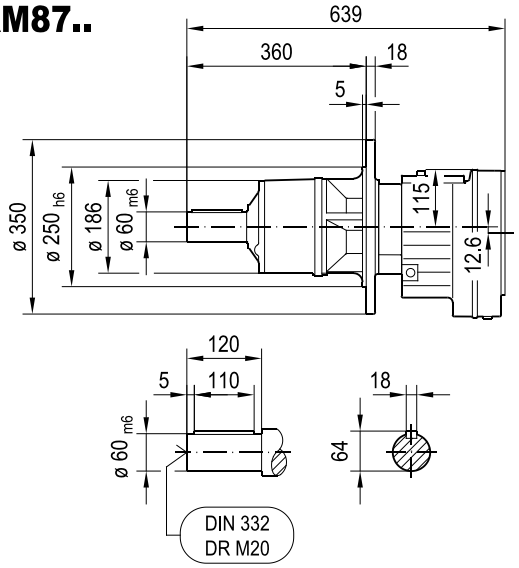
ø 300

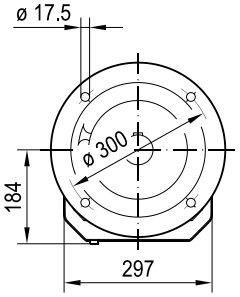


ø 350



RM87..



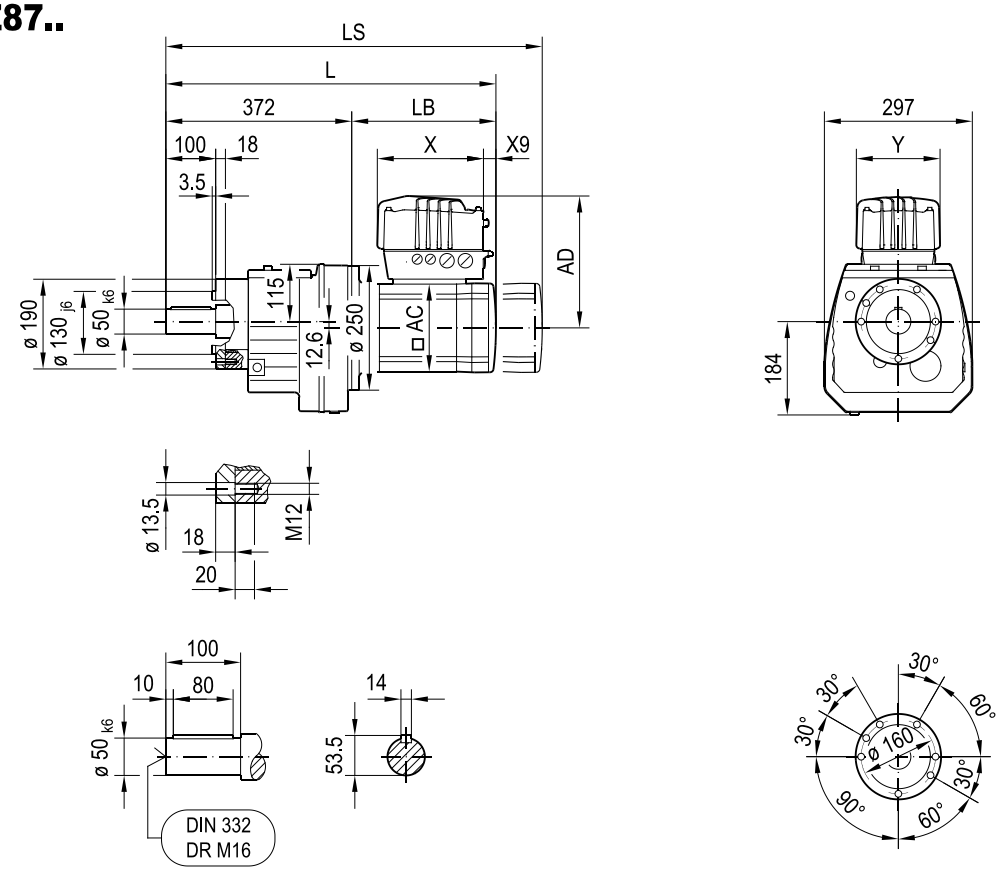


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	621	621	647	780	780			
LS	662	662	688	804	804			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 092 00 20

RZ87..

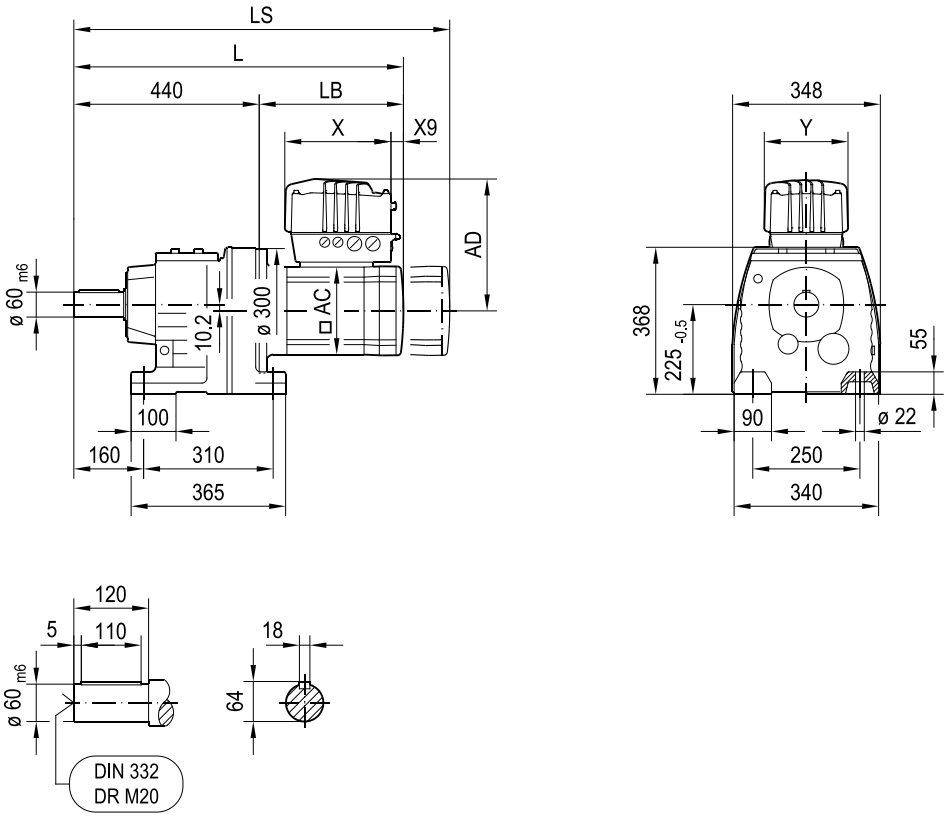


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	621	621	647	780	780			
LS	662	662	688	804	804			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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01 093 00 20

R97..

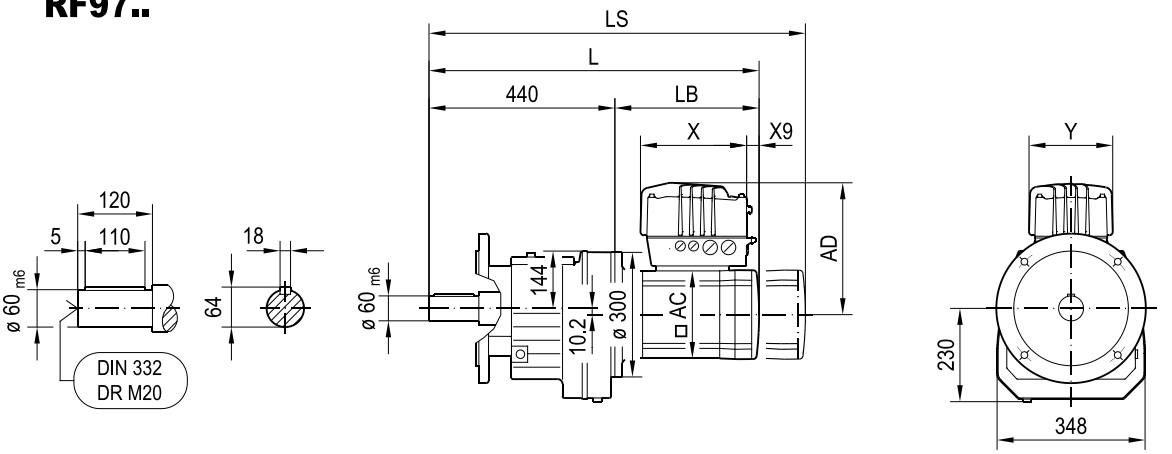


	CM3C/CM3P../D							
	80M_0055	**100LM_0070**	**100LM_0095**					
AC	140	163	163					
AD	249	289	289					
L	710	843	843					
LS	751	867	867					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

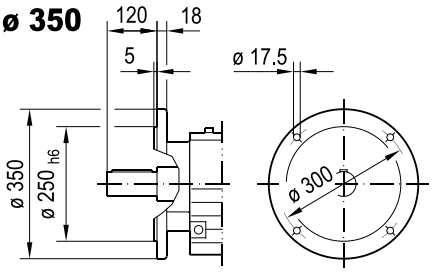
31546617/EN – 04/2026

RF97..

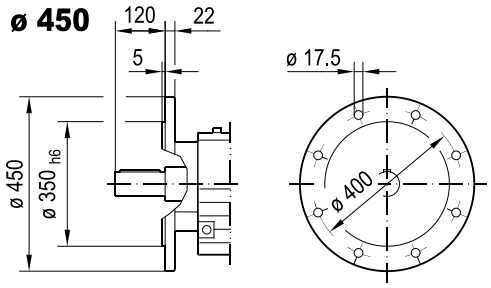
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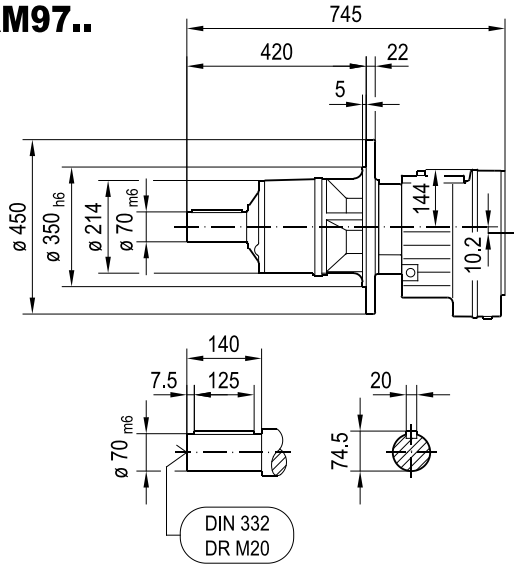
ø 350

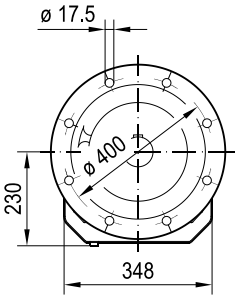


ø 450



RM97..



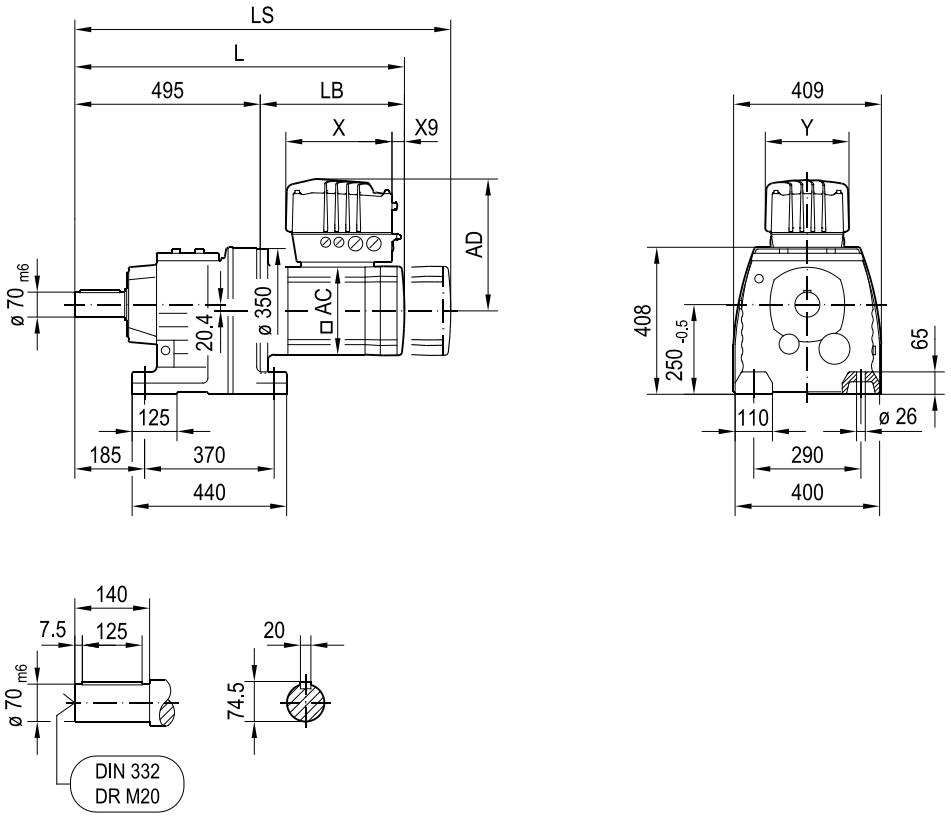


	CM3C/CM3P../D							
	80M_0055	100LM_0070	100LM_0095					
AC	140	163	163					
AD	249	289	289					
L	710	843	843					
LS	751	867	867					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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01 095 00 20

R107..

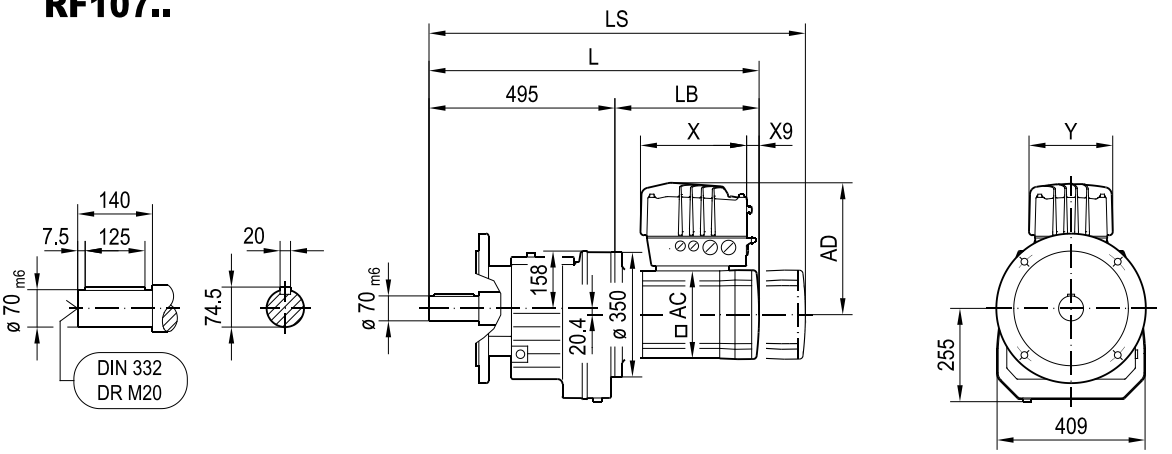


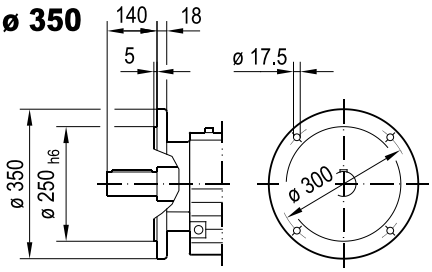
	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	892	892						
LS	916	916						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

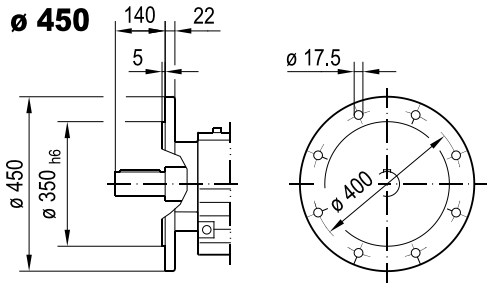
31546617/EN – 04/2026

RF107..

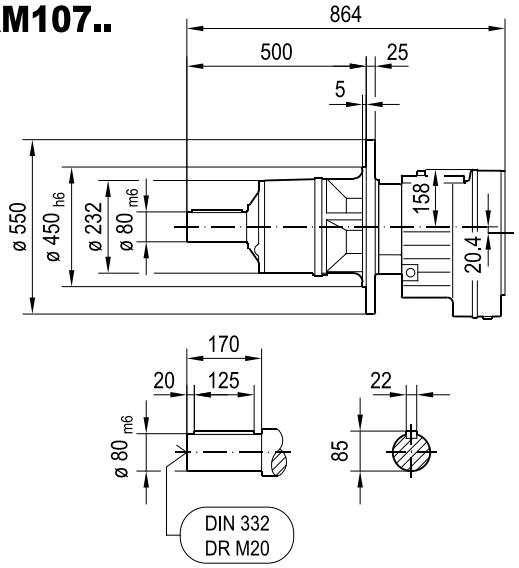
01 096 00 20

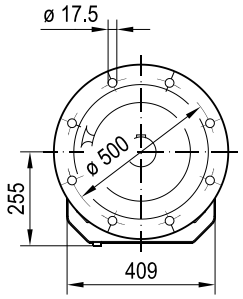






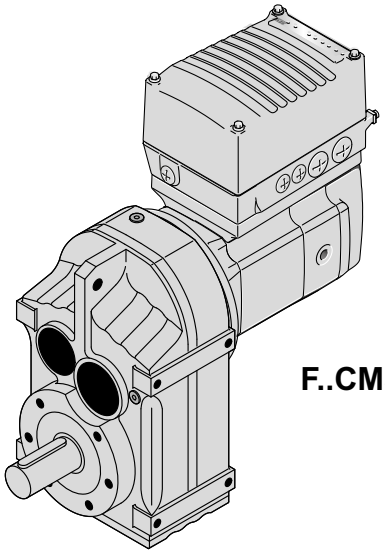
RM107..



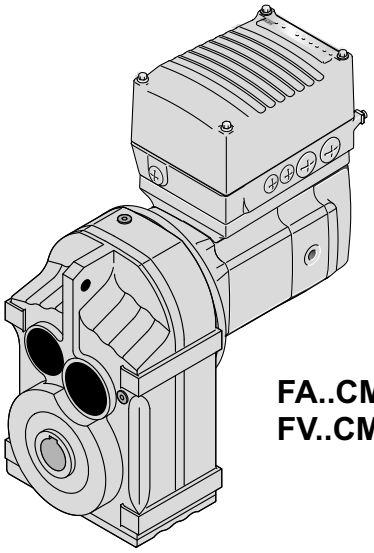


	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	892	892						
LS	916	916						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

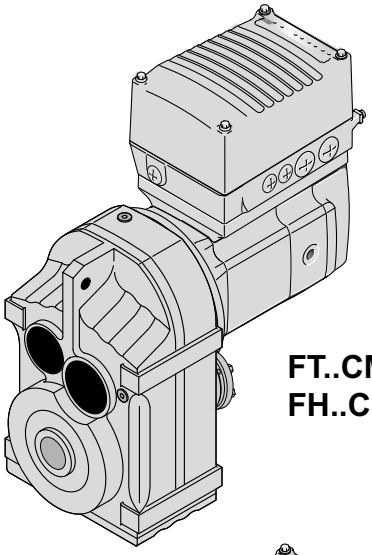
6 F..CM3C../D.. Parallel-shaft helical gearmotors



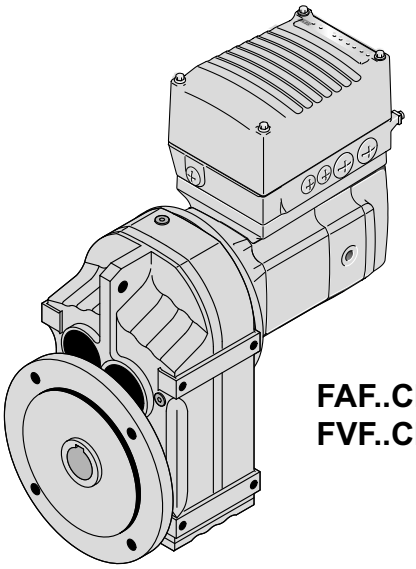
F..CM3C../D..



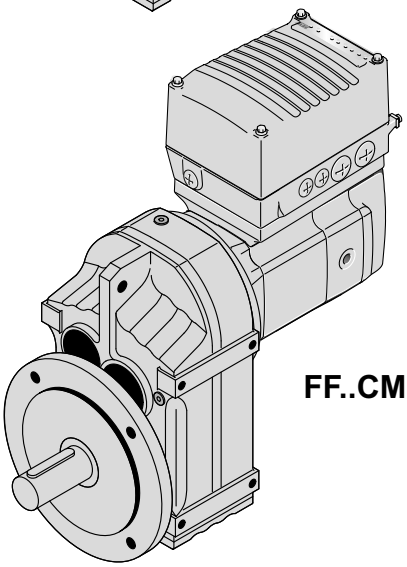
FA..CM3C../D..
FV..CM3C../D..



FT..CM3C../D..
FH..CM3C../D..



FAF..CM3C../D..
FVF..CM3C../D..

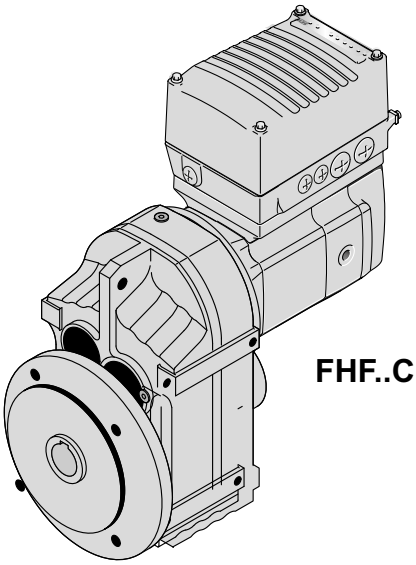


FF..CM3C../D..

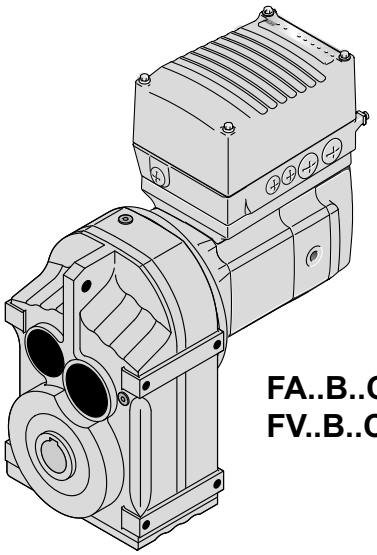
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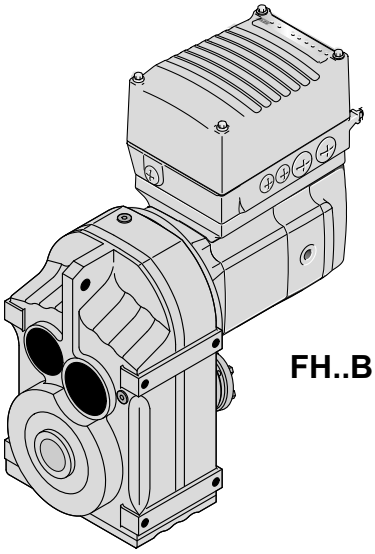
SEW EURODRIVE



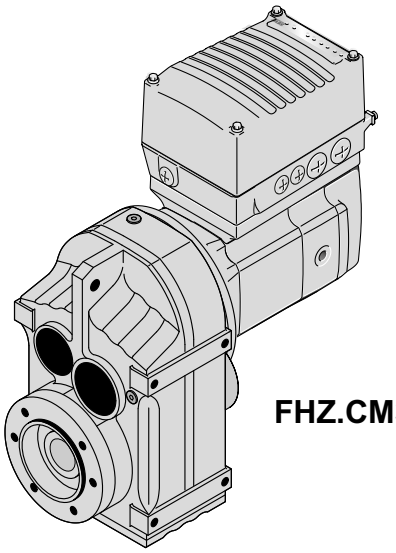
FHF..CM3C../D..



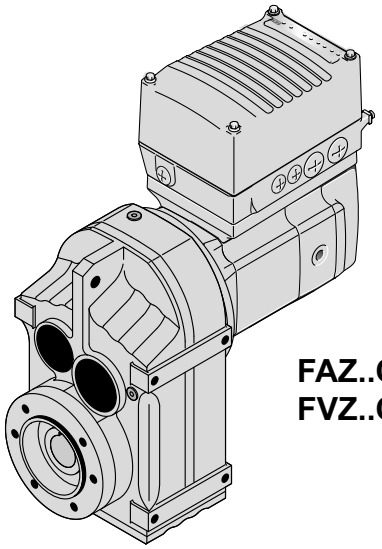
FA..B..CM3C../D..
FV..B..CM3C../D..



FH..B..CM3C../D..



FHZ.CM3C../D..



FAZ..CM3C../D..
FVZ..CM3C../D..

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6.1 F..CM3C.. selection tables

			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	12	481	14	43	18	54	23	71	29	85	148	4.16
	10	406	17	52	21	65	27	85	34	100	163	4.93
	9.5	380	18	55	23	69	29	90	37	107	170	5.27
	8.1	324	21	65	26	81	34	106	43	126	185	6.17
	7.2	289	24	73	30	91	38	119	48	141	194	6.91
	6.2	246	28	85	35	107	45	140	57	>163	209	8.13
	5.3	213									221	9.40
	5.1	202	34	104	43	130	55	>157	69	>157	221	9.88
FA27 2	4.7	190	36	111	46	139	59	>157	74	>157	221	10.55
	4.0	162	43	130	53	>157	69	>157	87	>157	221	12.35
	3.6	145	48	146	60	>157	77	>157	98	>157	221	13.84
	3.1	123	56	>157	71	>157	91	>157	115	>157	221	16.28
	2.7	106									221	18.84
	2.5	99									221	20.15
	2.2	86									221	23.25
	1.8	74									221	27.18
	1.7	68									221	29.56
	1.5	59	115	>157	>130	>157	>130	>157	>130	>157	221	33.83
	1.3	52									221	38.33
	1.2	49	>130	>157	>130	>157	>130	>157	>130	>157	221	40.89
	1.1	43									221	46.78
	1.00	40									221	50.19
	0.88	35	>130	>157	>130	>157	>130	>157	>130	>157	221	56.62
FA27	0.78	31	>130	>157	>130	>157	>130	>157	>130	>157	221	63.86
3	0.69	28									221	72.37
	0.65	26	>130	>157	>130	>157	>130	>157	>130	>157	221	77.21
	0.57	23									221	88.32
	0.53	21									221	94.76
	0.45	18									221	109.90
	0.39	15									221	129.09
	0.36	14									221	140.74

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
FA27	2	21	21	21	21	
FA27	3	21	21	21	22	
FAF: + 0.7 kg / F: + 0.5 kg / FF: + 1.3 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA27 2	4.16	87	130	148	365	1.4	1810	1810	1380	1180	4500	4500	4500	4500
	4.93	96	144	163	306	1.0	1860	1860	1420	1210	4500	4500	4500	4500
	5.27	100	150	170	283	0.90	1880	1880	1440	1220	4500	4500	4500	4500
	6.17	109	163	185	237	0.68	1940	1940	1480	1260	4500	4500	4500	4500
	6.91	114	163	194	219	0.56	2000	2000	1530	1300	4500	4500	4500	4500
	8.13	123	163	205	183	0.42	2080	2080	1580	1350	4500	4500	4500	4500
	9.40	130	163	220	168	0.33	2170	2170	1660	1410	4500	4500	4500	4500
	9.88	130	157	220	207	0.74	2400	2400	1830	1560	4500	4500	4500	4500
	10.55	130	157	220	209	0.67	2490	2490	1900	1620	4500	4500	4500	4500
	12.35	130	157	220	211	0.51	2700	2700	2060	1760	4500	4500	4500	4500
	13.84	130	157	220	212	0.43	2860	2860	2180	1860	4500	4500	4500	4500
	16.28	130	157	220	214	0.32	3110	3110	2370	2020	4500	4500	4500	4500
	18.84	130	157	220	217	0.26	3340	3340	2550	2170	4500	4500	4500	4500
	20.15	130	157	220	217	0.23	3450	3450	2630	2240	4500	4500	4500	4500
	23.25	130	157	220	194	0.19	3690	3690	2820	2400	4500	4500	4500	4500
	27.18	130	157	220	166	0.15	3970	3970	3030	2580	4500	4500	4500	4500
	29.56	130	157	220	152	0.13	4120	4120	3140	2680	4500	4500	4500	4500
FA27 3	33.83	130	157	220	133	0.31	4380	4380	3340	2850	4500	4500	4500	4500
	38.33	130	157	220	117	0.26	4500	4500	3530	3010	4500	4500	4500	4500
	40.89	130	157	220	110	0.23	4500	4500	3640	3100	4500	4500	4500	4500
	46.78	130	157	220	96	0.18	4500	4500	3860	3290	4500	4500	4500	4500
	50.19	130	157	220	90	0.17	4500	4500	3980	3390	4500	4500	4500	4500
	56.62	130	157	220	79	0.31	4500	4500	4180	3570	4500	4500	4500	4500
	63.86	130	157	220	70	0.26	4500	4500	4400	3750	4500	4500	4500	4500
	72.37	130	157	220	62	0.22	4500	4500	4500	3960	4500	4500	4500	4500
	77.21	130	157	220	58	0.20	4500	4500	4500	4060	4500	4500	4500	4500
	88.32	130	157	220	51	0.16	4500	4500	4500	4290	4500	4500	4500	4500
	94.76	130	157	220	47	0.15	4500	4500	4500	4420	4500	4500	4500	4500
	109.90	130	157	220	41	0.12	4500	4500	4500	4500	4500	4500	4500	4500
	129.09	130	157	220	35	0.090	4500	4500	4500	4500	4500	4500	4500	4500
	140.74	130	157	220	32	0.080	4500	4500	4500	4500	4500	4500	4500	4500

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			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
FA37 2	13	531	13	39	16	49	21	65	26	77	179	3.77
	12	474	14	44	18	55	23	72	29	86	187	4.22
	10	408	17	51	21	64	27	84	34	100	204	4.90
	9.6	384	18	55	22	68	29	89	36	106	213	5.21
	8.3	331	21	63	26	79	34	104	42	123	230	6.05
	7.4	297	23	71	29	88	37	116	47	137	238	6.74
	6.7	269									247	7.44
	6.2	250	27	84	34	105	45	138	56	163	289	8.01
	5.6	223	31	94	39	118	50	154	63	183	298	8.97
	4.8	192	36	110	45	137	58	179	73	210	315	10.42
	4.5	181	38	117	48	146	62	191	78	225	323	11.08
	3.9	155	44	136	56	169	72	220	91	>240	340	12.87
	3.5	140	50	151	62	189	80	>240	101	>240	340	14.33
	3.2	127									340	15.81
	2.9	117	59	180	74	220	95	>240	120	>240	340	17.03
	2.6	104									340	19.27
	2.4	97									340	20.57
	2.1	85									340	23.63
	2.1	84	82	>240	103	>240	132	>240	167	>240	340	23.88
	1.8	71	97	>240	121	>240	156	>240	196	>240	340	28.09
	1.6	63	109	>240	136	>240	176	>240	>200	>240	340	31.69
	1.4	56									340	35.91
	1.3	52	131	>240	163	>240	>200	>240	>200	>240	340	38.31
	1.1	46									340	43.83
	1.1	43									340	47.02
FA37 3	0.97	39	176	>240	>200	>240	>200	>240	>200	>240	340	51.70
	0.92	37									340	54.54
	0.86	34	199	>240	>200	>240	>200	>240	>200	>240	340	58.32
	0.76	30									340	66.09
	0.71	28	>200	>240	>200	>240	>200	>240	>200	>240	340	70.50
	0.62	25									340	80.65
	0.58	23									340	86.53
	0.50	20									340	100.36
	0.42	17									340	117.88
	0.39	16									340	128.51

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
FA37	2	27	27	27	27	
FA37	3	27	27	27	28	
FAF: + 1.5 kg / F: + 0.5 kg / FF: + 2.3 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA37 2	3.77	105	157	179	467	2.8	2470	2470	1970	2220	7000	7000	4810	5860
	4.22	110	165	187	441	2.3	2550	2550	2030	2300	7000	7000	4730	5820
	4.90	120	180	200	369	1.8	2630	2630	2100	2380	7000	7000	4560	5740
	5.21	125	187	210	338	1.6	2660	2660	2120	2410	7000	7000	4470	5700
	6.05	135	188	230	286	1.2	2750	2750	2190	2510	7000	7000	4460	5700
	6.74	140	188	235	269	1.0	2850	2850	2270	2600	7000	7000	4460	5700
	7.44	145	188	245	247	0.83	2940	2940	2350	2680	7000	7000	4460	5700
	8.01	170	240	285	205	1.5	2960	2960	2360	2710	7000	7000	3610	4100
	8.97	175	240	295	191	1.3	3080	3080	2460	2820	7000	7000	3610	4100
	10.42	185	240	315	163	1.0	3230	3230	2580	2960	7000	7000	3610	4100
	11.08	190	240	320	152	0.94	3290	3290	2620	3020	7000	7000	3610	4100
	12.87	200	240	340	131	0.74	3450	3450	2750	3170	7000	7000	3610	4100
	14.33	200	240	340	132	0.63	3650	3650	2910	3330	7000	7000	3610	4100
	15.81	200	240	340	132	0.52	3840	3840	3070	3490	7000	7000	3610	4100
	17.03	200	240	340	133	0.48	3990	3990	3180	3610	7000	7000	3610	4100
	19.27	200	240	340	134	0.40	4250	4250	3390	3820	7000	7000	3610	4100
	20.57	200	240	340	135	0.36	4390	4390	3500	3940	7000	7000	3610	4100
	23.63	200	240	340	135	0.29	4690	4690	3740	4190	7000	7000	3610	4100
FA37 3	23.88	200	240	340	97	0.60	4720	4720	3760	4210	7000	7000	3610	4100
	28.09	200	240	340	98	0.45	5090	5090	4060	4520	7000	7000	3610	4100
	31.69	200	240	340	98	0.35	5380	5380	4290	4760	7000	7000	3610	4100
	35.91	200	240	340	97	0.29	5700	5700	4290	5020	7000	7000	3610	4100
	38.31	200	240	340	97	0.26	5870	5870	4290	5160	7000	7000	3610	4100
	43.83	200	240	340	97	0.21	6240	6240	4290	5460	7000	7000	3610	4100
	47.02	200	240	340	96	0.19	6430	6430	4290	5620	7000	7000	3610	4100
	51.70	200	240	340	87	0.34	6710	6710	4290	5670	7000	7000	3610	4100
	54.54	200	240	340	83	0.15	6860	6860	4290	5670	7000	7000	3610	4100
	58.32	200	240	340	77	0.27	7000	7000	4290	5670	7000	7000	3610	4100
	66.09	200	240	340	68	0.23	7000	7000	4290	5670	7000	7000	3610	4100
	70.50	200	240	340	64	0.21	7000	7000	4290	5670	7000	7000	3610	4100
	80.65	200	240	340	56	0.17	7000	7000	4290	5670	7000	7000	3610	4100
	86.53	200	240	340	52	0.15	7000	7000	4290	5670	7000	7000	3610	4100
	100.36	200	240	340	45	0.12	7000	7000	4290	5670	7000	7000	3610	4100
	117.88	200	240	340	38	0.10	7000	7000	4290	5670	7000	7000	3610	4100
	128.51	200	240	340	35	0.080	7000	7000	4290	5670	7000	7000	3610	4100

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	10	401	17	52	21	65	28	86	35	102	38	115	43	127	544	4.99
	8.7	347	20	60	25	75	32	99	40	117	44	132	50	147	578	5.76
	7.9	315	22	67	27	83	35	109	44	129	49	146	55	162	595	6.34
	6.7	269	25	78	32	98	41	128	52	152	57	171	64	190	646	7.44
	6.3	254	27	83	34	103	44	136	55	161	61	181	68	200	646	7.88
	5.6	223	31	94	39	118	50	154	63	183	69	205	78	225	561	8.96
	4.6	182	38	115	47	144	61	189	77	220	85	250	95	280	680	10.97
FA47	3.9	158	44	133	55	167	71	215	89	255	98	290	110	320	680	12.66
2	3.6	144	48	147	60	183	78	240	98	285	108	320	121	355	680	13.93
	3.1	122	57	172	71	215	92	280	115	330	126	375	142	415	680	16.36
	2.9	115	60	183	75	225	97	295	122	350	134	400	151	>435	680	17.33
	2.5	102	68	205	85	255	110	340	139	400	152	>435	171	>435	680	19.70
	2.3	92	76	230	95	285	122	375	154	>435	169	>435	190	>435	680	21.82
	1.9	78	89	270	112	335	144	>435	182	>435					680	25.72
	1.7	68													680	29.32
	1.6	65													680	30.86
	1.7	69	99	300	124	375	160	>435	200	>435	220	>435	245	>435	680	28.88
	1.5	58	118	355	148	>435	190	>435	240	>435	260	>435	295	>435	680	34.29
	1.4	55	126	380	158	>435	200	>435	255	>435	280	>435	315	>435	680	36.61
	1.2	47	148	>435	185	>435	235	>435	300	>435	325	>435	370	>435	680	42.86
	1.0	42	164	>435	205	>435	260	>435	330	>435	360	>435	>400	>435	680	48.00
	0.89	35	193	>435	240	>435	310	>435	390	>435					680	56.49
	0.76	31													680	65.36
FA47	0.73	29	230	>435	290	>435	375	>435	>400	>435					680	68.09
3	0.63	25	270	>435	340	>435	>400	>435	>400	>435					680	79.72
	0.56	22	305	>435	380	>435	>400	>435	>400	>435					680	89.29
	0.48	19	355	>435	>400	>435	>400	>435	>400	>435					680	105.09
	0.41	16													680	121.57
	0.38	15													680	130.07
	0.33	13													680	150.06
	0.29	11													680	175.38
	0.26	10													680	190.76

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
FA47	2	31	31	31	32	34	34	
FA47	3	32	32	32	32	35	35	
FAF: + 2.7 kg / F: + 0.8 kg / FF: + 3.9 kg								

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA47 2	4.99	320	435	540	341	4.4	1160	1160	2310	2410	8510	10000	900	900
	5.76	340	435	575	306	3.4	1180	1180	2390	2500	8510	10000	900	900
	6.34	350	435	595	293	2.9	1230	1230	2470	2580	8510	10000	900	900
	7.44	380	435	645	249	2.3	1190	1190	2530	2660	8510	10000	900	900
	7.88	380	435	645	256	2.1	1280	1280	2630	2750	8510	10000	900	900
	8.96	330	435	560	425	1.6	1970	1970	3250	3310	8510	10000	900	900
	10.97	400	435	680	347	2.6	2060	2060	3440	3510	8940	10000	900	900
	12.66	400	435	680	355	2.1	2320	2320	3740	3790	8940	10000	900	900
	13.93	400	435	680	323	1.8	2510	2510	3950	3990	8940	10000	900	900
	16.36	400	435	680	275	1.5	2840	2840	4320	4340	8940	10000	900	900
	17.33	400	435	680	260	1.4	2960	2960	4450	4470	8940	10000	900	900
	19.70	400	435	680	228	1.1	3230	3230	4770	4770	8940	10000	900	900
	21.82	400	435	680	206	0.96	3460	3460	5030	5020	8940	10000	900	900
	25.72	400	435	680	175	0.75	3850	3850	5460	5430	8940	10000	900	900
	29.32	400	435	680	153	0.52	4170	4170	5830	5780	8940	10000	900	900
	30.86	400	435	680	146	0.46	4300	4300	5920	5920	8940	10000	900	900
FA47 3	28.88	400	435	680	113	1.1	4130	4130	5790	5740	8940	10000	900	900
	34.29	400	435	680	113	0.85	4580	4580	5920	5920	8940	10000	900	900
	36.61	400	435	680	113	0.76	4750	4750	5920	5920	8940	10000	900	900
	42.86	400	435	680	105	0.58	5190	5190	5920	5920	8940	10000	900	900
	48.00	400	435	680	94	0.48	5520	5520	5920	5920	8940	10000	900	900
	56.49	400	435	680	80	0.36	6020	6020	5920	5920	8940	10000	900	900
	65.36	400	435	680	69	0.29	6490	6490	5920	5920	8940	10000	900	900
	68.09	400	435	680	66	0.61	6620	6620	5920	5920	8940	10000	900	900
	79.72	400	435	680	56	0.48	7160	7160	5920	5920	8940	10000	900	900
	89.29	400	435	680	50	0.40	7570	7570	5920	5920	8940	10000	900	900
	105.09	400	435	680	43	0.30	8180	8180	5920	5920	8940	10000	900	900
	121.57	400	435	680	37	0.25	8760	8760	5920	5920	8940	10000	900	900
	130.07	400	435	680	35	0.23	9040	9040	5920	5920	8940	10000	900	900
	150.06	400	435	680	30	0.18	9640	9640	5920	5920	8940	10000	900	900
	175.38	400	435	680	26	0.14	10000	10000	5920	5920	8940	10000	900	900
	190.76	400	435	680	24	0.13	10000	10000	5920	5920	8940	10000	900	900

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			CM3C../D																	
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055		100LM_0070		100LM_0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
FA57 2	9.7	386	18	54	22	68	29	89	36	106	40	119	45	132	78	235	105	315	706	5.18
	8.4	334	20	63	26	78	33	103	42	122	46	138	52	153	90	270	121	365	714	5.98
	7.6	304	22	69	28	86	37	113	46	134	51	151	57	168	99	295	134	400	714	6.58
	6.5	259	26	81	33	101	43	133	54	158	59	178	67	197	116	350	157	470	714	7.73
	6.1	244	28	86	35	108	46	141	57	167	63	189	71	205	123	370	166	>485	714	8.19
	5.4	215	32	98	40	122	52	160	65	190	72	210	81	235					714	9.31
	4.7	188	37	112	46	140	59	183	75	215	82	245	92	270	161	480	215	>645	1020	10.64
	4.1	163	42	129	53	162	69	210	87	250	95	280	107	310	185	555	250	>645	1020	12.29
	3.7	148	47	142	59	178	76	230	95	275	104	310	118	345	200	610	275	>645	1020	13.52
	3.1	126	55	167	69	205	89	270	112	325	123	365	138	405	240	>645	320	>645	1020	15.88
	3.0	119	58	177	73	220	94	290	119	340	130	385	146	430	250	>645	340	>645	1020	16.81
	2.6	105	66	200	83	250	107	325	135	390	148	440	166	485					1020	19.11
	2.4	94	73	220	92	275	119	365	149	430	164	485	184	540					1020	21.17
	2.0	80	87	260	108	325	140	430	176	510									978	24.96
	1.8	70																	910	28.45
	1.7	67																	927	29.94
	1.5	58																	850	34.24
	1.2	50																	493	40.13
FA57 3	1.7	66	104	315	130	390	167	515	210	610	230	>645	260	>645	450	>645	>590	>645	1003	30.15
	1.4	56	123	370	154	465	199	610	250	>645	270	>645	305	>645	535	>645	>600	>645	1020	35.79
	1.3	52	132	395	165	495	210	>645	265	>645	290	>645	330	>645	570	>645	>600	>645	1020	38.21
	1.1	45	154	465	193	580	245	>645	310	>645	340	>645	385	>645					1020	44.73
	1.00	40	173	520	215	>645	275	>645	350	>645	380	>645	430	>645					1020	50.10
	0.85	34	200	610	250	>645	320	>645	405	>645									1020	58.97
	0.73	29																	1020	68.22
	0.69	27																	1020	72.98
	0.60	24	285	>645	355	>645	455	>645	575	>645	>600	>645	>600	>645					1020	83.46
	0.53	21	315	>645	395	>645	515	>645	>600	>645	>600	>645	>600	>645					1020	93.47
	0.45	18	370	>645	465	>645	595	>645	>600	>645									1020	110.01
	0.39	16																	1020	127.27
	0.37	15																	1020	136.16
	0.32	13																	1020	157.09
	0.27	11																	1020	183.60
	0.25	10																	1020	199.70

m kg		CM3C../D							
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	100LM_0070	100LM_0095
FA57	2	38	38	38	38	40	40	53	53
FA57	3	38	38	38	39	41	41	54	54
FAF: + 5.5 kg / F: + 0.2 kg / FF: + 6.6 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA57 2	5.18	415	475	705	413	5.8	2020	2020	3460	3670	11500	11500	9910	8490
	5.98	420	475	710	460	4.5	2240	2240	3730	3940	11500	11500	9910	8490
	6.58	420	480	710	505	3.8	2430	2430	3940	4140	11500	11500	9880	8460
	7.73	420	480	710	582	2.9	2760	2760	4310	4500	11500	11500	9880	8460
	8.19	420	485	710	549	2.6	2880	2880	4450	4640	11500	11500	9840	8440
	9.31	420	460	710	483	2.0	3170	3170	4760	4950	11500	11500	10000	8580
	10.64	600	645	1020	206	3.2	2470	2470	4320	4590	11500	11500	6930	6930
	12.29	600	645	1020	208	2.6	2810	2810	4710	4970	11500	11500	6930	6930
	13.52	600	645	1020	209	2.2	3050	3050	4980	5230	11500	11500	6930	6930
	15.88	600	645	1020	212	1.8	3470	3470	5450	5690	11500	11500	6930	6930
	16.81	600	645	1020	213	1.6	3630	3630	5620	5860	11500	11500	6930	6930
	19.11	600	645	1020	214	1.3	3980	3980	6020	6260	11500	11500	6930	6930
	21.17	600	645	1020	213	1.1	4280	4280	6350	6580	11500	11500	6930	6930
	24.96	575	645	970	180	0.84	4970	4970	7060	7260	11500	11500	6930	6930
	28.45	535	645	910	158	0.59	5690	5690	7760	7930	11500	11500	6930	6930
	29.94	545	645	920	150	0.53	5790	5790	7890	8060	11500	11500	6930	6930
	34.24	500	645	850	131	0.43	6580	6580	8670	8500	11500	11500	6930	6930
	40.13	290	435	490	112	0.34	8750	8750	10500	9550	11500	11500	10400	8850
FA57 3	30.15	590	645	1000	52	1.3	5460	5460	7650	7850	11500	11500	6930	6930
	35.79	600	645	1020	50	0.94	5980	5980	8250	7900	11500	11500	6930	6930
	38.21	600	645	1020	50	0.84	6210	6210	8510	7900	11500	11500	6930	6930
	44.73	600	645	1020	51	0.64	6790	6790	9160	7900	11500	11500	6930	6930
	50.10	600	645	1020	51	0.52	7230	7230	9200	7900	11500	11500	6930	6930
	58.97	600	645	1020	51	0.38	7890	7890	9200	7900	11500	11500	6930	6930
	68.22	600	645	1020	51	0.31	8510	8510	9200	7900	11500	11500	6930	6930
	72.98	600	645	1020	52	0.28	8810	8810	9200	7900	11500	11500	6930	6930
	83.46	600	645	1020	42	0.51	9420	9420	9200	7900	11500	11500	6930	6930
	93.47	600	645	1020	42	0.42	9960	9960	9200	7900	11500	11500	6930	6930
	110.01	600	645	1020	41	0.31	10800	10800	9200	7900	11500	11500	6930	6930
	127.27	600	645	1020	35	0.26	11500	11500	9200	7900	11500	11500	6930	6930
	136.16	600	645	1020	33	0.23	11500	11500	9200	7900	11500	11500	6930	6930
	157.09	600	645	1020	29	0.19	11500	11500	9200	7900	11500	11500	6930	6930
	183.60	600	645	1020	25	0.15	11500	11500	9200	7900	11500	11500	6930	6930
	199.70	600	645	1020	23	0.13	11500	11500	9200	7900	11500	11500	6930	6930

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
FA67 2	13	504	13	41	17	52	22	68	28	81	30	91	34	101	60	180	80	240	850	3.97
	11	429	16	49	20	61	26	80	32	95	36	107	40	119	70	210	94	280	952	4.66
	9.5	381	18	55	22	69	29	90	37	107	40	121	45	134	79	235	106	320	1003	5.25
	8.4	336	20	63	26	79	33	103	42	123	46	138	52	153	90	270	122	365	1037	5.95
	7.4	295	23	71	29	89	38	117	48	138	52	156	59	173	102	305	138	410	1054	6.78
	6.6	266	26	79	32	99	42	130	53	154	58	173	65	192	113	340	153	460	1037	7.53
	5.8	233	30	90	37	113	48	148	60	176	66	198	75	220	130	390	175	525	969	8.60
	5.5	220	31	96	39	119	51	156	64	185	70	205	79	230	137	410	184	550	901	9.08
	5.2	207	33	102	42	127	54	166	68	197	74	220	84	245	146	435	196	590	1394	9.66
	4.4	177	39	119	49	149	63	195	80	230	87	260	98	285	171	510	230	690	1394	11.31
	3.9	157	44	134	55	168	71	220	90	260	99	290	111	325	193	575	255	775	1394	12.76
	3.5	138	50	152	63	190	81	245	102	295	112	330	126	370	215	655	290	880	1394	14.46
	3.0	121	57	174	71	215	92	280	116	335	127	380	143	420	245	745	335	>920	1394	16.48
	2.7	109	63	193	79	240	102	315	129	370	141	420	159	465	275	830	370	>920	1394	18.29
	2.4	96	72	220	91	275	117	360	147	425	162	480	182	535	315	>920	425	>920	1394	20.90
	2.3	91	76	230	96	290	124	380	156	450	171	505	192	560	330	>920	445	>920	1394	22.05
	2.0	80	87	265	109	330	141	430	177	510	195	580	215	640					1394	25.13
	1.8	73	95	285	119	360	154	470	194	560	210	630	235	700					1394	27.41
	1.6	62	112	335	140	420	180	550	225	655									1394	32.08
	1.4	55																	1394	36.30
FA67 3	1.5	59	117	355	146	440	189	580	235	685	260	775	290	860	505	>920	685	>920	1258	34.01
	1.3	51	135	410	169	510	215	670	275	795	300	890	335	>920	585	>920	>780	>920	1326	39.26
	1.2	46	149	450	186	560	240	735	300	870	330	>920	370	>920	645	>920	>820	>920	1394	43.20
	0.99	39	175	530	215	660	280	860	355	>920	385	>920	435	>920	755	>920	>820	>920	1394	50.74
	0.93	37	185	560	230	700	295	910	375	>920	410	>920	460	>920	800	>920	>820	>920	1394	53.73
	0.82	33	205	630	260	785	335	>920	420	>920	460	>920	520	>920					1394	61.07
	0.74	30	230	700	285	870	370	>920	465	>920	510	>920	575	>920					1394	67.65
	0.63	25	270	820	340	>920	435	>920	550	>920									1394	79.76
	0.55	22	305	>920	385	>920	495	>920	625	>920	685	>920	770	>920	>820	>920	>820	>920	1394	90.59
	0.52	21	325	>920	410	>920	525	>920	665	>920	725	>920	>820	>920	>820	>920	>820	>920	1394	95.94
	0.46	18	370	>920	465	>920	600	>920	755	>920	>820	>920	>820	>920					1394	109.04
	0.41	17	405	>920	510	>920	655	>920	>820	>920	>820	>920	>820	>920					1394	120.79
	0.35	14	480	>920	600	>920	775	>920	>820	>920									1394	142.40
	0.31	12																	1394	162.31
	0.29	12																	1394	170.85
	0.26	10																	1394	195.39
	0.22	8.7																	1394	228.99

m kg		CM3C../D								
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095	
FA67	2	41	41	41	42	44	44	56	56	
FA67	3	42	42	42	43	45	45	57	57	
FAF: + 6.3 kg / F: + 2.8 kg / FF: + 8.9 kg										

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA67 2	3.97	500	695	850	413	16	1220	1220	8390	8620	11600	13000	11300	11300
	4.66	560	700	950	337	12	1020	1020	8590	8860	11600	13000	11300	11300
	5.25	590	705	1000	309	10.0	1010	1010	8850	9140	11500	13000	11200	11200
	5.95	610	705	1030	299	8.0	1090	1090	9200	9500	11500	13000	11200	11200
	6.78	620	710	1050	304	6.3	1280	1280	9660	9950	11500	13000	11200	11200
	7.53	610	715	1030	341	5.5	1570	1570	10100	10400	11500	13000	11200	11200
	8.60	570	715	960	455	4.4	2180	2180	10900	11200	11500	13000	11200	11200
	9.08	530	715	900	496	4.0	2620	2620	11400	11600	11500	13000	11200	11200
	9.66	820	920	1390	195	8.5	1580	1580	10300	10300	11100	13000	9310	9310
	11.31	820	920	1390	211	6.7	1960	1960	10300	10300	11100	13000	9310	9310
	12.76	820	920	1390	223	5.6	2260	2260	10300	10300	11100	13000	9310	9310
	14.46	820	920	1390	236	4.6	2580	2580	10300	10300	11100	13000	9310	9310
	16.48	820	920	1390	248	3.8	2940	2940	10300	10300	11100	13000	9310	9310
	18.29	820	920	1390	246	3.4	3230	3230	10300	10300	11100	13000	9310	9310
	20.90	820	920	1390	215	2.7	3620	3620	10300	10300	11100	13000	9310	9310
	22.05	820	920	1390	204	2.5	3780	3780	10300	10300	11100	13000	9310	9310
	25.13	820	920	1390	179	2.0	4190	4190	10300	10300	11100	13000	9310	9310
	27.41	820	920	1390	164	1.7	4470	4470	10300	10300	11100	13000	9310	9310
	32.08	820	920	1390	140	1.4	5000	5000	10300	10300	11100	13000	9310	9310
	36.30	820	920	1390	124	0.98	5440	5440	10300	10300	11100	13000	9310	9310
FA67 3	34.01	740	920	1250	44	2.8	5730	5730	11000	11000	11100	13000	9310	9310
	39.26	780	920	1320	38	2.2	5980	5980	10700	10700	11100	13000	9310	9310
	43.20	820	920	1390	35	1.9	6080	6080	10300	10300	11100	13000	9310	9310
	50.74	820	920	1390	34	1.6	6710	6710	10300	10300	11100	13000	9310	9310
	53.73	820	920	1390	34	1.4	6940	6940	10300	10300	11100	13000	9310	9310
	61.07	820	920	1390	35	1.1	7480	7480	10300	10300	11100	13000	9310	9310
	67.65	820	920	1390	36	0.97	7930	7930	10300	10300	11100	13000	9310	9310
	79.76	820	920	1390	36	0.76	8680	8680	10300	10300	11100	13000	9310	9310
	90.59	820	920	1390	50	1.4	9290	9290	10300	10300	11100	13000	9310	9310
	95.94	820	920	1390	47	1.2	9570	9570	10300	10300	11100	13000	9310	9310
	109.04	820	920	1390	41	0.98	10200	10200	10300	10300	11100	13000	9310	9310
	120.79	820	920	1390	37	0.85	10800	10800	10300	10300	11100	13000	9310	9310
	142.40	820	920	1390	32	0.68	11700	11700	10300	10300	11100	13000	9310	9310
	162.31	820	920	1390	28	0.47	12400	12400	10300	10300	11100	13000	9310	9310
	170.85	820	920	1390	26	0.42	12700	12700	10300	10300	11100	13000	9310	9310
	195.39	820	920	1390	23	0.34	13000	13000	10300	10300	11100	13000	9310	9310
	228.99	820	920	1390	20	0.27	13000	13000	10300	10300	11100	13000	9310	9310

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			CM3C../D																	
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055		100LM_0070		100LM_0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
FA77 2	12	467	14	45	18	56	24	73	30	87	33	98	37	109	64	194	87	260	1717	4.28
	9.7	388	18	54	22	68	29	89	36	105	40	119	45	132	78	230	105	315	1836	5.16
	8.7	347	20	60	25	75	32	99	40	117	44	132	50	147	87	260	117	350	1836	5.76
	7.5	301	23	70	28	87	37	114	47	135	51	153	57	170	100	300	135	405	1836	6.64
	6.8	271	25	78	32	97	41	127	52	151	57	170	64	189	111	335	150	450	1836	7.39
	6.1	242	28	87	36	108	46	142	58	169	64	190	72	210	124	370	168	500	1836	8.26
	5.4	215	32	98	40	122	52	160	65	190	72	210	81	235	140	420	189	565	1836	9.30
	4.6	183	38	115	47	144	61	188	77	220	84	250	95	275	165	495	220	665	2550	10.93
	4.1	164	42	128	53	160	68	210	86	245	94	280	106	310	184	550	245	745	2550	12.20
	3.6	142	49	148	61	185	79	240	99	285	109	320	122	360	210	635	285	850	2550	14.06
	3.2	128	54	165	68	205	87	270	110	320	121	360	136	400	235	705	315	950	2550	15.64
	2.9	114	61	184	76	230	98	300	123	355	135	400	152	445	260	790	355	1060	2550	17.49
	2.5	102	68	205	85	255	110	340	139	400	152	450	171	500	295	890	400	1200	2550	19.70
	2.3	93	74	225	93	280	120	370	151	435	166	490	187	545	320	970	435	1300	2550	21.43
	2.0	78	89	265	111	335	143	440	180	520	197	585	220	650	385	1150	515	>1530	2550	25.50
	1.7	70	100	300	125	375	161	495	200	585	220	660	250	735					2431	28.75
	1.6	63	110	330	137	415	177	540	220	640	240	725	275	800					2346	31.51
	1.4	55	127	385	159	480	205	630	255	745									1887	36.58
FA77 3	2.0	78	88	265	110	330	142	435	178	515	196	580	220	645	380	1140	510	>1530	2465	25.54
	1.7	67	103	310	129	390	166	510	205	605	225	680	255	755	445	1340	600	>1530	2550	29.91
	1.5	59	116	350	145	440	187	575	235	680	255	770	290	850	505	1510	680	>1530	2550	33.74
	1.3	52	132	400	165	495	210	650	265	770	290	870	330	960	570	>1530	770	>1530	2550	38.23
	1.1	46	150	455	188	565	240	740	305	880	330	990	375	1100	650	>1530	870	>1530	2550	43.58
	1.0	41	167	505	205	630	265	820	335	970	370	1100	415	1220	720	>1530	970	>1530	2550	48.37
	0.90	36	191	575	235	720	305	940	385	1110	420	1260	475	1400	820	>1530	1110	>1530	2550	55.27
	0.86	34	200	610	250	760	320	990	405	1180	445	1330	500	1470	870	>1530	1170	>1530	2550	58.32
	0.75	30	225	685	280	850	365	1120	460	1330	505	1500	565	>1530					2550	66.46
	0.69	28	245	750	305	930	395	1220	500	1450	550	>1530	615	>1530					2550	72.50
	0.67	27	255	775	320	960	410	1260	520	1500	570	>1530	640	>1530	1110	>1530	1490	>1530	2550	75.02
	0.58	23	290	880	365	1100	470	1440	590	>1530	645	>1530	730	>1530	1260	>1530	>1500	>1530	2550	85.52
	0.53	21	320	980	405	1220	520	>1530	655	>1530	720	>1530	810	>1530	1400	>1530	>1500	>1530	2550	94.93
	0.46	18	370	1120	460	1400	595	>1530	750	>1530	820	>1530	920	>1530	>1500	>1530	>1500	>1530	2550	108.46
	0.44	17	390	1180	485	1470	630	>1530	790	>1530	860	>1530	970	>1530	>1500	>1530	>1500	>1530	2550	114.45
	0.38	15	445	1350	555	>1530	715	>1530	900	>1530	990	>1530	1110	>1530					2550	130.42
	0.35	14	480	1450	600	>1530	775	>1530	970	>1530	1060	>1530	1200	>1530					2550	142.27
	0.30	12	560	>1530	700	>1530	900	>1530	1140	>1530									2550	166.47
	0.27	11																	2550	188.40
	0.25	10																	2550	198.31
	0.22	8.9																	2550	225.79
	0.19	7.6																	2550	262.93
	0.18	7.1																	2550	281.71

m kg		CM3C../D							
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	100LM_0070	100LM_0095
FA77	2	64	64	64	64	66	66	78	78
FA77	3	65	65	65	66	68	68	80	80
FAF: + 6.6 kg / F: + 3.8 kg / FF: + 14.4 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA77 2	4.28	1010	1310	1710	343	42	630	630	10200	10900	16900	20000	16900	17400
	5.16	1080	1320	1830	285	31	640	640	10700	11500	16800	20000	16800	17400
	5.76	1080	1320	1830	302	26	930	930	11300	12000	16800	20000	16800	17400
	6.64	1080	1320	1830	327	20	1310	1310	12000	12700	16800	20000	16800	17400
	7.39	1080	1330	1830	327	17	1610	1610	12500	13300	16700	20000	16800	17400
	8.26	1080	1330	1830	327	14	1940	1940	13100	13900	16700	20000	16800	17400
	9.30	1080	1330	1830	328	12	2300	2300	13800	14600	16700	20000	16800	17400
	10.93	1500	1530	2550	190	19	2080	2080	14200	15100	17500	20000	15500	17000
	12.20	1500	1530	2550	205	16	2450	2450	14900	15800	17500	20000	15500	17000
	14.06	1500	1530	2550	224	13	2940	2940	15700	16700	17500	20000	15500	17000
	15.64	1500	1530	2550	237	11	3330	3330	15700	17100	17500	20000	15500	17000
	17.49	1500	1530	2550	250	9.5	3750	3750	15700	17100	17500	20000	15500	17000
	19.70	1500	1530	2550	228	7.9	4220	4220	15700	17100	17500	20000	15500	17000
	21.43	1500	1530	2550	210	7.1	4560	4560	15700	17100	17500	20000	15500	17000
	25.50	1500	1530	2550	176	5.5	5300	5300	15700	17100	17500	20000	15500	17000
	28.75	1430	1530	2430	157	4.4	6190	6190	16200	17300	17500	20000	15500	17000
	31.51	1380	1530	2340	143	3.8	6870	6870	16500	17500	17500	20000	15500	17000
	36.58	1110	1530	1880	123	3.0	8990	8990	17900	18300	17500	20000	15500	17000
FA77 3	25.54	1450	1530	2460	60	10	5560	5560	16100	17300	17500	20000	15500	17000
	29.91	1500	1530	2550	51	7.8	6010	6010	15700	17100	17500	20000	15500	17000
	33.74	1500	1530	2550	52	6.4	6580	6580	15700	17100	17500	20000	15500	17000
	38.23	1500	1530	2550	52	5.2	7190	7190	15700	17100	17500	20000	15500	17000
	43.58	1500	1530	2550	52	4.3	7850	7850	15700	17100	17500	20000	15500	17000
	48.37	1500	1530	2550	53	3.8	8410	8410	15700	17100	17500	20000	15500	17000
	55.27	1500	1530	2550	53	3.0	9140	9140	15700	17100	17500	20000	15500	17000
	58.32	1500	1530	2550	53	2.8	9450	9450	15700	17100	17500	20000	15500	17000
	66.46	1500	1530	2550	53	2.2	10200	10200	15700	17100	17500	20000	15500	17000
	72.50	1500	1530	2550	53	1.9	10700	10700	15700	17100	17500	20000	15500	17000
	75.02	1500	1530	2550	53	4.0	11000	11000	15700	17100	17500	20000	15500	17000
	85.52	1500	1530	2550	53	3.3	11800	11800	15700	17100	17500	20000	15500	17000
	94.93	1500	1530	2550	47	3.0	12500	12500	15700	17100	17500	20000	15500	17000
	108.46	1500	1530	2550	41	2.5	13400	13400	15700	17100	17500	20000	15500	17000
	114.45	1500	1530	2550	39	2.3	13800	13800	15700	17100	17500	20000	15500	17000
	130.42	1500	1530	2550	35	1.9	14800	14800	15700	17100	17500	20000	15500	17000
	142.27	1500	1530	2550	32	1.6	15400	15400	15700	17100	17500	20000	15500	17000
	166.47	1500	1530	2550	27	1.3	16700	16700	15700	17100	17500	20000	15500	17000
	188.40	1500	1530	2550	24	0.91	17700	17700	15700	17100	17500	20000	15500	17000
	198.31	1500	1530	2550	23	0.82	18100	18100	15700	17100	17500	20000	15500	17000
	225.79	1500	1530	2550	20	0.67	19300	19300	15700	17100	17500	20000	15500	17000
	262.93	1500	1530	2550	17	0.54	20000	20000	15700	17100	17500	20000	15500	17000
	281.71	1500	1530	2550	16	0.47	20000	20000	15700	17100	17500	20000	15500	17000

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			CM3C../D																	
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055		100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
FA87 2	12	485													62	187	83	250	2482	4.12
	10	407													74	220	100	300	2601	4.92
	8.9	355	19	59	24	74	31	97	39	115	43	129	49	144	85	255	114	340	2601	5.63
	7.5	301	23	70	29	87	37	114	47	136	51	153	58	170	100	300	135	405	2601	6.65
	6.8	272	25	77	32	96	41	126	52	150	57	169	64	188	111	330	149	445	2601	7.35
	6.0	241	28	87	36	109	46	143	58	169	64	191	72	210	125	375	168	505	2601	8.29
	5.2	209													144	430	195	585	4896	9.58
	4.4	175													173	520	230	700	5100	11.46
	3.8	152	45	138	57	173	73	225	92	265	101	300	114	335	198	595	265	800	5100	13.12
	3.2	129	54	163	67	200	87	265	109	315	120	355	135	395	230	700	315	940	5100	15.48
	2.9	117	59	181	74	225	96	295	121	350	132	395	149	435	255	775	345	1040	5100	17.12
	2.6	104	67	200	84	250	108	330	136	395	149	445	168	490	290	870	390	1180	5100	19.31
	2.3	94	74	225	93	280	119	365	150	435	165	490	186	545	320	960	430	1300	5100	21.32
	2.1	84	82	250	103	310	133	405	167	480	183	545	205	605	355	1070	480	1440	5100	23.68
	1.9	75	92	280	115	345	149	455	187	540	205	610	230	675	400	1200	535	1610	5100	26.50
	1.7	69	100	300	125	375	161	495	200	585	220	660	250	735	435	1300	585	1750	4165	28.78
	1.5	59	118	355	148	445	190	585	240	690	260	780	295	860	510	1530	690	2070	4437	33.92
FA87 3	1.7	68	100	305	126	380	162	495	200	590	220	665	250	740	435	1310	585	1760	4267	29.20
	1.4	57	121	365	152	455	195	600	245	710	270	800	300	890	525	1580	705	2120	4437	35.19
	1.3	51	135	410	169	510	215	670	275	795	300	890	335	990	585	1760	790	2370	4624	39.30
	1.1	44	156	470	195	590	250	770	315	910	345	1030	390	1140	675	2030	910	2730	4794	45.28
	0.99	40	174	525	215	655	280	860	350	1020	385	1150	435	1270	750	2260	1010	3040	4998	50.36
	0.88	35	194	585	240	730	310	950	390	1130	430	1280	485	1420	840	2520	1130	>3090	5100	56.75
	0.73	29	230	705	290	880	375	1150	470	1370	515	1540	580	1710	1010	3040	1360	>3090	5100	68.40
	0.65	26	260	790	325	980	420	1290	525	1530	580	1720	650	1910	1130	>3090	1520	>3090	5100	76.39
	0.57	23	300	910	375	1130	480	1480	610	1760	665	1980	750	2200	1300	>3090	1750	>3090	5100	88.01
	0.51	20	330	1010	415	1260	535	1650	675	1960	740	2210	830	2450	1450	>3090	1950	>3090	5100	97.89
	0.46	18	370	1130	465	1410	600	1850	755	2190	830	2470	930	2740	1620	>3090	2180	>3090	5100	109.49
	0.41	16	420	1270	525	1590	675	2080	850	2470	930	2780	1050	>3090	1820	>3090	2450	>3090	5100	123.29
	0.37	15	455	1380	570	1730	735	2260	930	2680	1010	3030	1140	>3090	1980	>3090	2670	>3090	5100	134.16
	0.31	13	545	1650	680	2060	870	2690	1100	>3090	1210	>3090	1360	>3090	2360	>3090	>3000	>3090	5100	159.61
	0.28	11	605	1840	760	2300	980	3010	1230	>3090	1350	>3090	1520	>3090					5100	179.97
	0.25	10	665	2020	830	2520	1070	>3090	1350	>3090	1480	>3090	1660	>3090					5100	197.20
	0.22	8.7	770	2340	960	2920	1240	>3090	1570	>3090									5100	228.93
	0.20	7.8																	5100	255.37
	0.18	7.4																	5100	270.68

m kg		CM3C../D							
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	100LM_0070	100LM_0095
FA87	2	100	100	100	100	105	105	115	115
FA87	3	105	105	105	105	105	105	120	120
FAF: + 12.7 kg / F: + 5.7 kg / FF: + 21.3 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
FA87 2	4.12	1460	1940	2480	357	114	3020	3020	5980	11800	30000	30000	26400	23400
	4.92	1530	1960	2600	364	85	3310	3310	6430	12600	30000	30000	26300	23400
	5.63	1530	1960	2600	400	67	3850	3850	7020	13400	30000	30000	26300	23400
	6.65	1530	1970	2600	463	52	4550	4550	7790	14400	30000	30000	26300	23400
	7.35	1530	1970	2600	497	44	5000	5000	8280	15000	30000	30000	26300	23400
	8.29	1530	1980	2600	530	36	5550	5550	8890	15800	30000	30000	26200	23300
	9.58	2880	3090	4890	153	63	275	275	5050	11000	25700	30000	16000	16000
	11.46	3000	3090	5100	128	49	575	575	5580	11800	25700	30000	16000	16000
	13.12	3000	3090	5100	117	40	1300	1300	6370	13100	25700	30000	16000	16000
	15.48	3000	3090	5100	111	32	2220	2220	7390	14700	25700	30000	16000	16000
	17.12	3000	3090	5100	108	28	2810	2810	8040	15800	25700	30000	16000	16000
	19.31	3000	3090	5100	105	23	3540	3540	8840	17000	25700	30000	16000	16000
	21.32	3000	3090	5100	103	20	4160	4160	9520	18000	25700	30000	16000	16000
	23.68	3000	3090	5100	101	17	4850	4850	10300	19100	25700	30000	16000	16000
	26.50	3000	3090	5100	99	15	5610	5610	11100	19800	25700	30000	16000	16000
	28.78	2450	3090	4160	156	13	8940	8940	13900	22500	25700	30000	16000	16000
	33.92	2610	3090	4430	133	10	9340	9340	14600	22200	25700	30000	16000	16000
FA87 3	29.20	2510	3090	4260	50	25	8740	8740	13800	22400	25700	30000	16000	16000
	35.19	2610	3090	4430	42	19	9610	9610	14900	22200	25700	30000	16000	16000
	39.30	2720	3090	4620	37	16	9910	9910	15400	22000	25700	30000	16000	16000
	45.28	2820	3090	4790	33	13	10500	10500	16200	21700	25700	30000	16000	16000
	50.36	2940	3090	4990	29	11	10800	10800	16800	21500	25700	30000	16000	16000
	56.75	3000	3090	5100	32	20	11600	11600	17700	19800	25700	30000	16000	16000
	68.40	3000	3090	5100	32	16	13300	13300	19600	19800	25700	30000	16000	16000
	76.39	3000	3090	5100	32	14	14300	14300	19800	19800	25700	30000	16000	16000
	88.01	3000	3090	5100	32	11	15800	15800	19800	19800	25700	30000	16000	16000
	97.89	3000	3090	5100	32	9.9	16900	16900	19800	19800	25700	30000	16000	16000
	109.49	3000	3090	5100	32	8.3	18100	18100	19800	19800	25700	30000	16000	16000
	123.29	3000	3090	5100	32	7.0	19400	19400	19800	19800	25700	30000	16000	16000
	134.16	3000	3090	5100	32	6.3	20400	20400	19800	19800	25700	30000	16000	16000
	159.61	3000	3090	5100	28	4.9	22500	22500	19800	19800	25700	30000	16000	16000
	179.97	3000	3090	5100	25	4.0	24100	24100	19800	19800	25700	30000	16000	16000
	197.20	3000	3090	5100	23	3.5	25300	25300	19800	19800	25700	30000	16000	16000
	228.93	3000	3090	5100	20	2.8	27300	27300	19800	19800	25700	30000	16000	16000
	255.37	3000	3090	5100	18	1.8	28900	28900	19800	19800	25700	30000	16000	16000
	270.68	3000	3090	5100	17	1.6	29800	29800	19800	19800	25700	30000	16000	16000

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			CM3C../D									
			80M_0040		80M_0055		100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
FA97 2	13	517									3060	3.87
	11	438					69	205	93	275	3485	4.57
	9.6	382					79	235	106	315	3655	5.23
	8.1	324					93	280	125	375	3825	6.17
	7.1	283	54	163	61	181	106	320	144	430	4012	7.07
	6.1	243	63	189	71	210	124	370	167	500	4012	8.22
	5.5	221	70	205	79	230	137	410	184	550	4012	9.06
	4.5	179					168	505	225	680	6970	11.16
	3.9	157					193	575	260	780	7310	12.77
	3.3	133					225	680	305	920	7310	15.06
	2.9	116	133	395	150	440	260	780	350	1050	7310	17.25
	2.5	100	155	460	175	510	300	910	405	1220	7310	20.07
	2.3	90	171	510	193	565	330	1000	450	1350	7310	22.11
	2.0	80	193	575	215	635	375	1130	505	1520	7310	24.92
	1.8	73	210	630	235	700	415	1240	555	1670	7310	27.44
	1.6	66	235	700	265	775	455	1370	615	1850	7310	30.39
	1.5	59	260	780	295	860	510	1530	690	2070	7310	33.91
	1.4	55	280	840	315	930	550	1660	745	2230	5219	36.64
	1.2	46	335	990	375	1100	650	1960	880	2640	5219	43.28
FA97 3	1.5	62					485	1460	655	1960	7310	32.50
	1.3	51					580	1740	780	2350	7310	38.86
	1.1	45	340	1010	380	1120	665	1990	890	2690	7310	44.49
	0.95	38	400	1190	450	1330	785	2350	1050	3170	7310	52.49
	0.86	34	445	1320	500	1470	860	2600	1170	3510	7310	58.06
	0.76	31	500	1490	565	1650	980	2940	1310	3950	7310	65.47
	0.69	28	555	1650	620	1830	1080	3240	1450	>4360	7310	72.29
	0.66	26					1120	3360	1500	>4360	7310	75.63
	0.62	25	610	1810	685	2010	1190	3570	1600	>4360	7310	80.31
	0.58	23	655	1950	740	2170	1280	3840	1720	>4360	7310	86.59
	0.56	22	680	2030	765	2250	1330	3990	1790	>4360	7310	89.85
	0.51	20	740	2200	830	2440	1440	4330	1940	>4360	7310	97.58
	0.49	20	775	2300	870	2560	1510	>4360	2030	>4360	7310	102.16
	0.44	18	850	2550	960	2830	1670	>4360	2250	>4360	7310	112.99
	0.39	16	960	2880	1080	3190	1880	>4360	2540	>4360	7310	127.42
	0.36	14	1060	3180	1200	3520	2080	>4360	2800	>4360	7310	140.71
	0.32	13	1180	3530	1330	3920	2310	>4360	3110	>4360	7310	156.30
	0.29	11	1310	3910	1470	4330	2560	>4360	3450	>4360	7310	174.87
	0.26	11	1420	4240	1600	>4360	2780	>4360	3740	>4360	7310	189.92
	0.22	8.9	1680	>4360	1890	>4360	3280	>4360	>4300	>4360	7310	223.88
	0.20	7.9	1880	>4360	2120	>4360					7310	253.41
	0.18	7.2	2050	>4360	2310	>4360					7310	276.77

m kg		CM3C../D				
		80M_0040	80M_0055	100LM_0070	100LM_0095	
FA97	2	165	165	175	175	
FA97	3	170	170	180	180	
FAF: + 21.7 kg / F: + 7.5 kg / FF: + 40.3 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
	3.87	1800	2700	3060	470	266	10300	10300	9960	16500	40000	40000	33600	30600
	4.57	2050	3000	3480	346	193	10200	10200	9950	16800	40000	40000	32900	30300
	5.23	2150	3020	3650	333	153	10700	10700	10400	17400	40000	40000	32800	30300
	6.17	2250	3030	3820	326	116	11400	11400	11100	18300	40000	40000	32800	30200
	7.07	2360	3040	4010	304	92	11900	11900	11500	19000	40000	40000	32800	30200
	8.22	2360	3050	4010	336	72	13100	13100	12600	20300	40000	40000	32800	30200
	9.06	2360	3050	4010	353	61	13900	13900	13400	21100	40000	40000	32800	30200
	11.16	4100	4360	6970	150	104	9710	9710	10000	18700	40000	40000	29700	28200
	12.77	4300	4360	7310	141	85	10100	10100	10500	19400	40000	40000	29700	28200
FA97 2	15.06	4300	4360	7310	157	67	11700	11700	11900	21100	40000	40000	29700	28200
	17.25	4300	4360	7310	161	55	13100	13100	13200	22500	40000	40000	29700	28200
	20.07	4300	4360	7310	154	45	14700	14700	14600	24100	40000	40000	29700	28200
	22.11	4300	4360	7310	151	39	15700	15700	15600	25200	40000	40000	29700	28200
	24.92	4300	4360	7310	147	33	17100	17100	16800	26600	40000	40000	29700	28200
	27.44	4300	4360	7310	145	28	18200	18200	17900	27800	40000	40000	29700	28200
	30.39	4300	4360	7310	142	22	19500	19500	19000	28300	40000	40000	29700	28200
	33.91	4300	4360	7310	133	19	20900	20900	20300	28300	40000	40000	29700	28200
	36.64	3070	4360	5210	123	17	27000	27000	25500	30200	40000	40000	29700	28200
	43.28	3070	4360	5210	104	13	29300	29300	27600	30200	40000	40000	29700	28200
	32.50	4300	4360	7310	53	60	20300	20300	19800	28300	40000	40000	29700	28200
	38.86	4300	4360	7310	53	48	22700	22700	21900	28300	40000	40000	29700	28200
	44.49	4300	4360	7310	53	39	24500	24500	23600	28300	40000	40000	29700	28200
	52.49	4300	4360	7310	53	31	26900	26900	25800	28300	40000	40000	29700	28200
	58.06	4300	4360	7310	53	27	28500	28500	27200	28300	40000	40000	29700	28200
	65.47	4300	4360	7310	53	23	30400	30400	29000	28300	40000	40000	29700	28200
	72.29	4300	4360	7310	53	20	32000	32000	29900	28300	40000	40000	29700	28200
	75.63	4300	4360	7310	56	42	32800	32800	29900	28300	40000	40000	29700	28200
	80.31	4300	4360	7310	53	17	33800	33800	29900	28300	40000	40000	29700	28200
	86.59	4300	4360	7310	52	34	35100	35100	29900	28300	40000	40000	29700	28200
FA97 3	89.85	4300	4360	7310	50	14	35700	35700	29900	28300	40000	40000	29700	28200
	97.58	4300	4360	7310	46	13	37200	37200	29900	28300	40000	40000	29700	28200
	102.16	4300	4360	7310	44	28	38100	38100	29900	28300	40000	40000	29700	28200
	112.99	4300	4360	7310	40	25	40000	40000	29900	28300	40000	40000	29700	28200
	127.42	4300	4360	7310	35	20	40000	40000	29900	28300	40000	40000	29700	28200
	140.71	4300	4360	7310	32	18	40000	40000	29900	28300	40000	40000	29700	28200
	156.30	4300	4360	7310	29	15	40000	40000	29900	28300	40000	40000	29700	28200
	174.87	4300	4360	7310	26	13	40000	40000	29900	28300	40000	40000	29700	28200
	189.92	4300	4360	7310	24	12	40000	40000	29900	28300	40000	40000	29700	28200
	223.88	4300	4360	7310	20	9.2	40000	40000	29900	28300	40000	40000	29700	28200
	253.41	4300	4360	7310	18	5.9	40000	40000	29900	28300	40000	40000	29700	28200
	276.77	4300	4360	7310	16	5.1	40000	40000	29900	28300	40000	40000	29700	28200

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			CM3C../D					
			100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	9.9	398					7820	5.03
	8.0	322					7820	6.22
	6.8	270	111	335	150	450	7820	7.40
	6.0	239	126	375	170	510	8160	8.37
	5.2	206	146	435	197	590	8347	9.69
	5.0	201					11050	9.96
FA107	4.1	162					11900	12.33
2	3.4	136	220	665	295	890	13056	14.67
	3.0	121	250	750	335	1010	13328	16.58
	2.6	104	290	870	390	1170	13328	19.20
	2.3	92	325	980	440	1320	13328	21.76
	2.0	80	380	1140	510	1530	13328	25.14
	1.8	73	415	1250	560	1680	13328	27.57
	1.5	59	510	1530	685	2060	12580	33.79
	1.6	63					13056	31.80
	1.3	53	555	1670	750	2250	13056	37.61
	1.2	46	635	1910	850	2570	13056	43.03
	0.99	39	750	2250	1010	3030	13056	50.73
	0.86	34	870	2610	1170	3510	13056	58.12
	0.74	30	1010	3030	1360	4080	13056	67.62
	0.67	27	1110	3340	1500	4500	13056	74.52
	0.60	24	1250	3770	1690	5070	13056	83.99
FA107	0.57	23	1310	3930	1760	5290	13056	88.49
3	0.54	22	1380	4150	1860	5590	13056	92.47
	0.49	20	1500	4500	2020	6060	13056	101.38
	0.42	17	1740	5240	2350	7050	13056	117.94
	0.38	15	1920	5770	2590	7770	13056	129.97
	0.34	14	2170	6510	2920	8760	13056	146.49
	0.31	12	2390	7170	3210	>8860	13056	161.28
	0.28	11	2640	7940	3560	>8860	13056	178.64
	0.25	10	2950	>8860	3970	>8860	13056	199.31
	0.23	9.3	3150	>8860	4250	>8860	13056	215.37
	0.20	7.9	3730	>8860	5020	>8860	13056	254.40

m kg		CM3C../D		
		100LM_0070	100LM_0095	
FA107	2	245	245	
FA107	3	255	255	
FAF: + 21.0 kg / F: + 16.6 kg / FF: + 43.9 kg				

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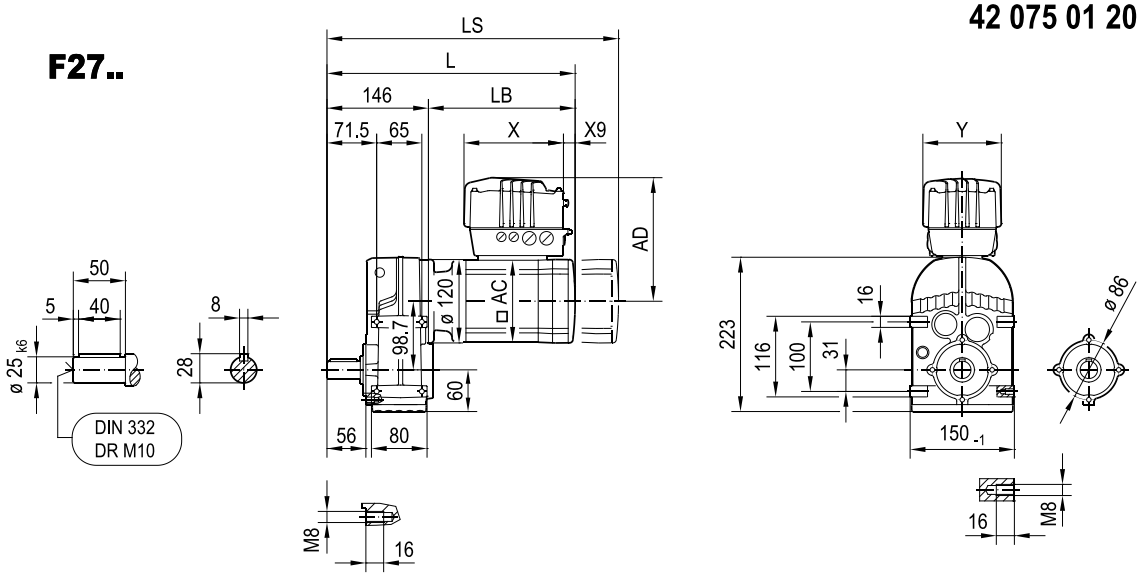
CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	FA	FAF	F	FF	FA	FAF	F	FF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
	5.03[1)]	4600	6240	7820	392	439	4520	39000	16400	19200	65000	65000	52500	55300
	6.22	4600	6240	7820	394	311	6920	42600	19000	22200	65000	65000	52500	55300
	7.40	4600	6240	7820	393	236	8400	45800	21300	24800	65000	65000	52500	55300
	8.37	4800	6240	8160	351	195	8720	47400	22000	25600	65000	65000	52500	55300
	9.69	4910	6240	8340	331	154	9670	50000	23500	27300	65000	65000	52500	55300
	9.96[1)]	6500	8860	11000	173	280	6200	47000	21500	25300	64500	65000	46500	45600
FA107	12.33	7000	8860	11900	137	209	6580	49800	22600	26600	64500	65000	46500	45600
2	14.67	7680	8860	13000	102	164	6050	51500	22400	26500	64500	65000	46500	45600
	16.58	7840	8860	13300	95	138	6870	53800	23900	28200	64500	65000	46500	45600
	19.20	7840	8860	13300	95	112	8600	57400	26500	31200	64500	65000	46500	45600
	21.76	7840	8860	13300	93	92	10100	60600	28800	33800	64500	65000	46500	45600
	25.14	7840	8860	13300	91	76	12000	64500	31500	36800	64500	65000	46500	45600
	27.57	7840	8860	13300	90	66	13200	65000	33300	38800	64500	65000	46500	45600
	33.79	7400	8860	12500	106	43	17700	65000	38300	44900	64500	65000	46500	45600
	31.80	7680	8860	13000	70	125	15800	65000	36500	42700	64500	65000	46500	45600
	37.61	7680	8860	13000	75	94	18300	65000	39500	46300	64500	65000	46500	45600
	43.03	7680	8860	13000	79	77	20300	65000	42000	49000	64500	65000	46500	45600
	50.73	7680	8860	13000	85	62	23000	65000	45100	51100	64500	65000	46500	45600
	58.12	7680	8860	13000	77	51	25300	65000	47800	51100	64500	65000	46500	45600
	67.62	7680	8860	13000	67	42	28000	65000	49800	51100	64500	65000	46500	45600
	74.52	7680	8860	13000	60	37	29900	65000	49800	51100	64500	65000	46500	45600
	83.99	7680	8860	13000	54	31	32200	65000	49800	51100	64500	65000	46500	45600
	88.49	7680	8860	13000	49	56	33200	65000	49800	51100	64500	65000	46500	45600
FA107	92.47	7680	8860	13000	49	27	34100	65000	49800	51100	64500	65000	46500	45600
3	101.38	7680	8860	13000	44	47	36000	65000	49800	51100	64500	65000	46500	45600
	117.94	7680	8860	13000	38	39	39300	65000	49800	51100	64500	65000	46500	45600
	129.97	7680	8860	13000	35	34	41400	65000	49800	51100	64500	65000	46500	45600
	146.49	7680	8860	13000	31	29	44200	65000	49800	51100	64500	65000	46500	45600
	161.28	7680	8860	13000	28	25	46600	65000	49800	51100	64500	65000	46500	45600
	178.64	7680	8860	13000	25	19	49100	65000	49800	51100	64500	65000	46500	45600
	199.31	7680	8860	13000	23	16	52000	65000	49800	51100	64500	65000	46500	45600
	215.37	7680	8860	13000	21	15	54000	65000	49800	51100	64500	65000	46500	45600
	254.40	7680	8860	13000	18	12	58600	65000	49800	51100	64500	65000	46500	45600

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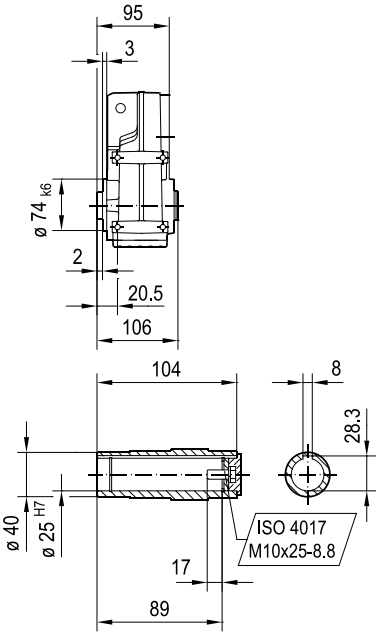
6.2 Dimension sheets for F..CM3C../D.. in mm

42 075 01 20

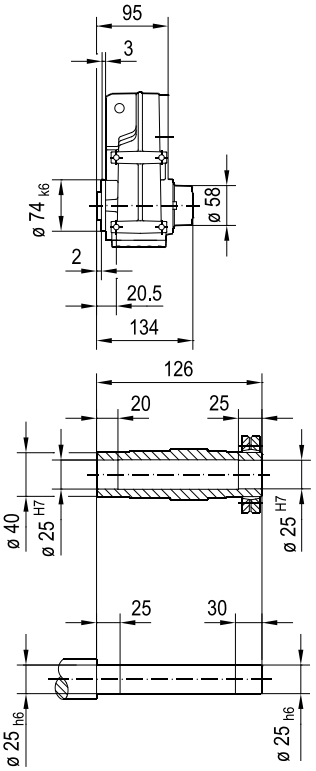
F27..



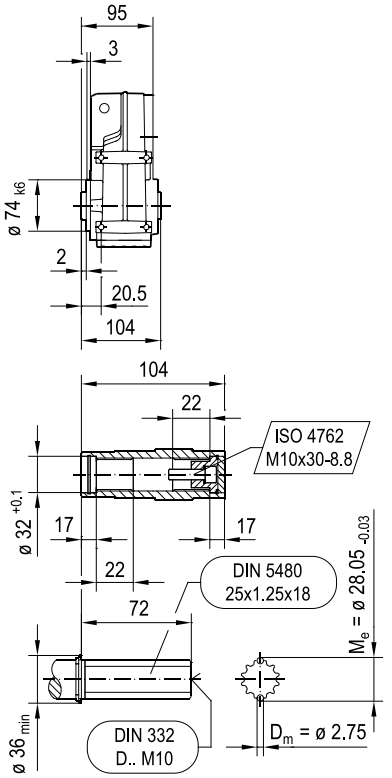
FA27B..



FH27B..



FV27B..

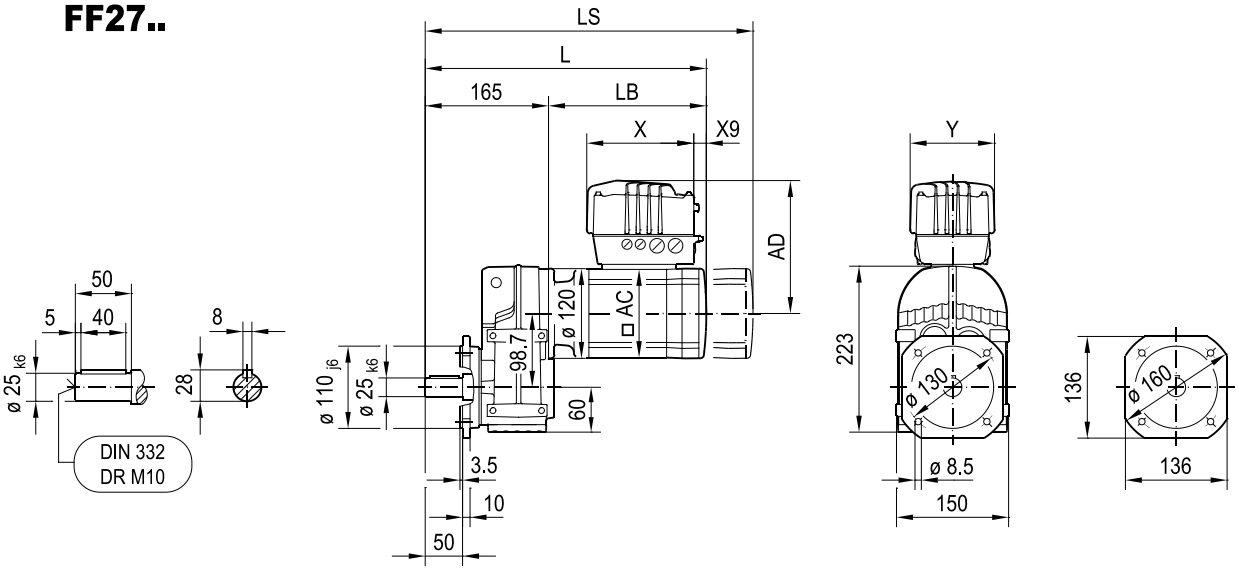


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	417	417						
LS	458	458						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

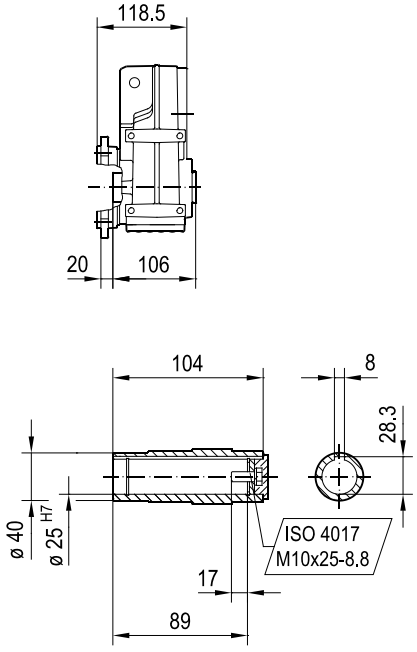
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42 076 00 20

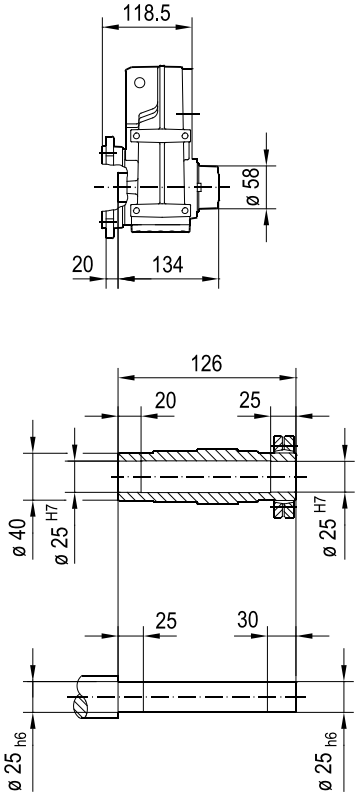
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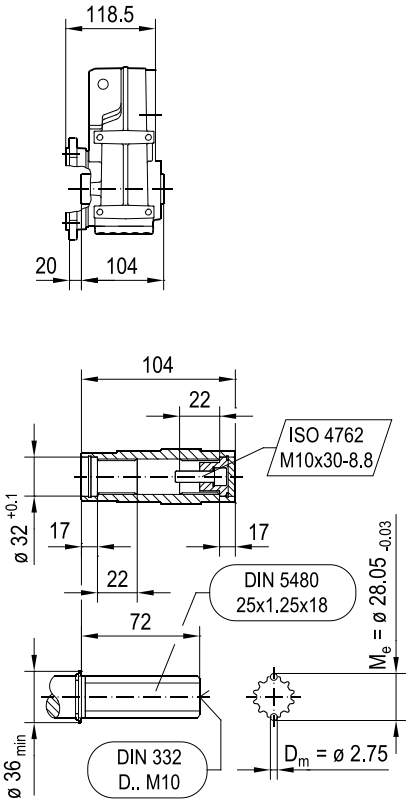
FAF27..



FHF27..



FVF27..

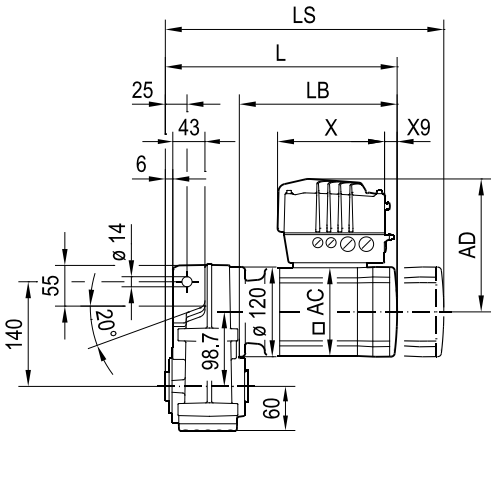


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	436	436						
LS	477	477						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

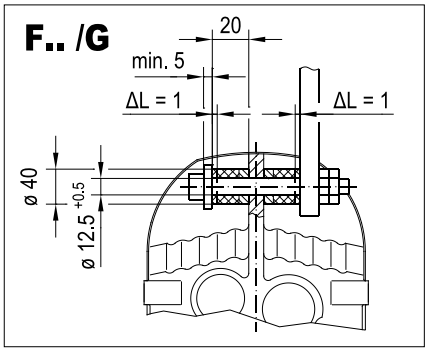
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42 077 00 20

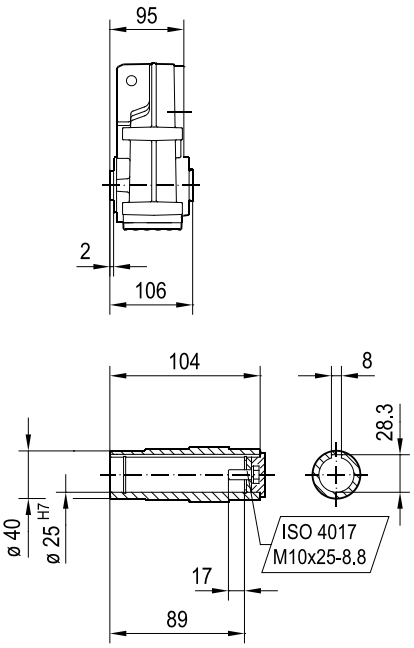
FA27..



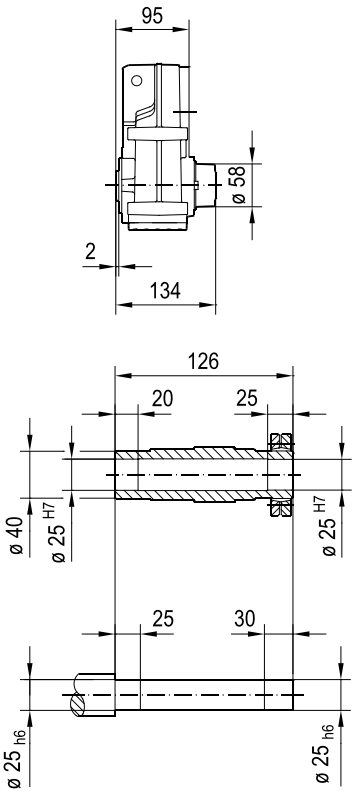
F.. /G



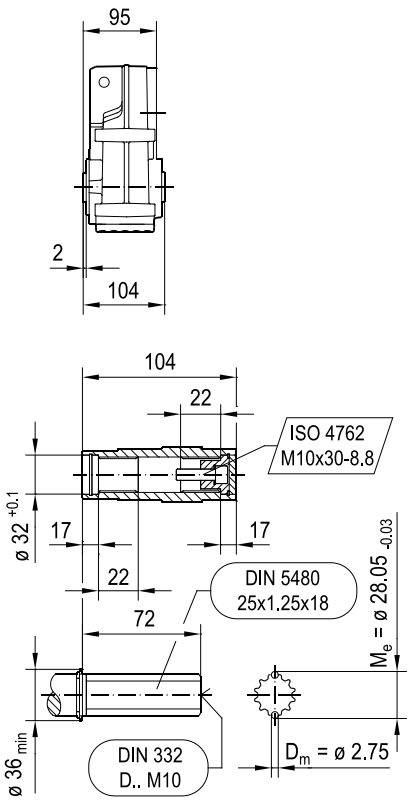
FA27..



FH27..



FV27..

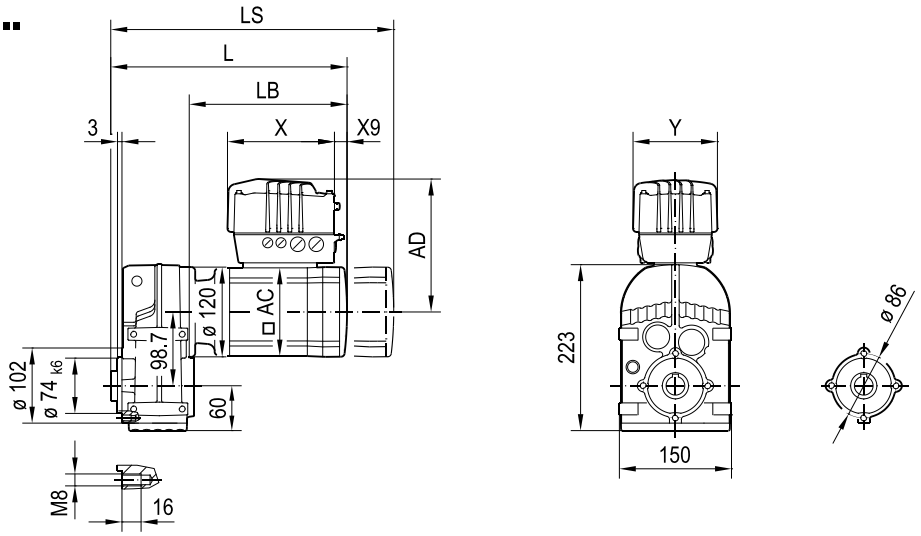


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	366	366						
LS	407	407						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

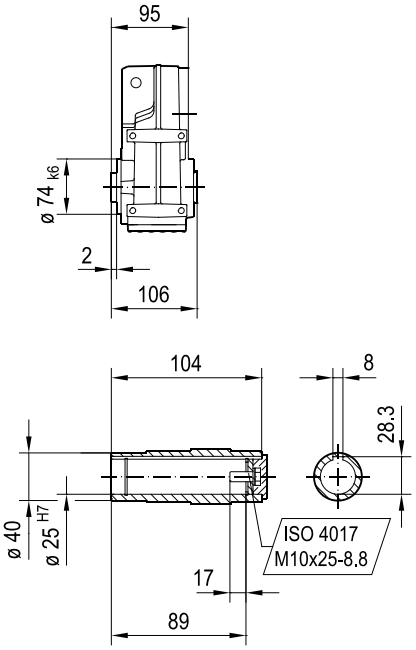
31546617/EN – 04/2026

42 078 00 20

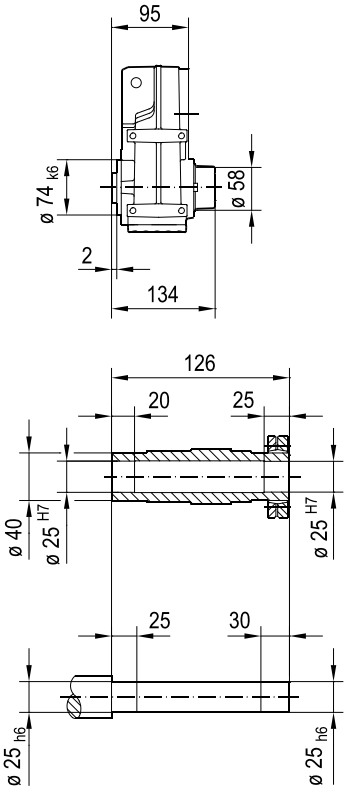
FAZ27..



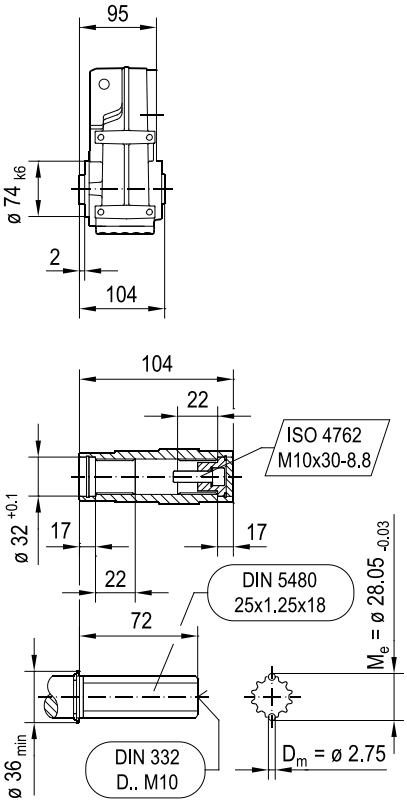
FAZ27..



FHZ27..



FVZ27..

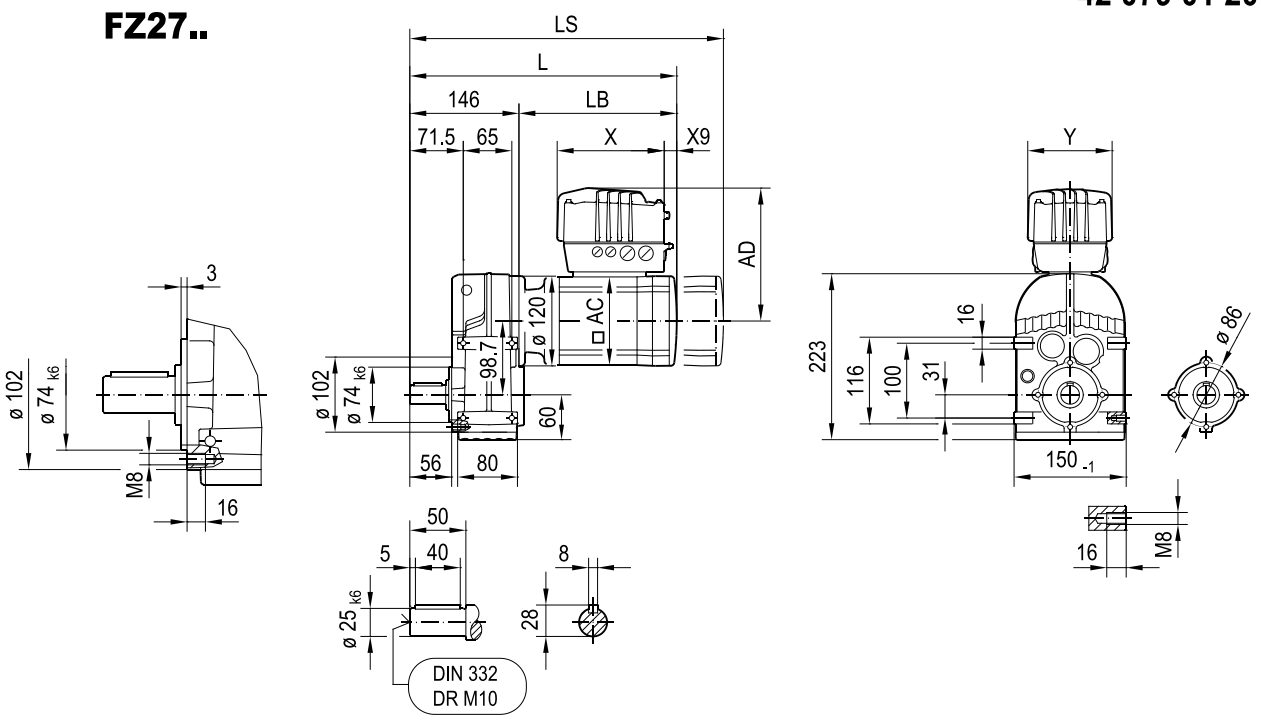


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LS	407	407						
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Y	145	168						
X9	17/58	17/58						

31546617/EN – 04/2026

42 079 01 20

FZ27..

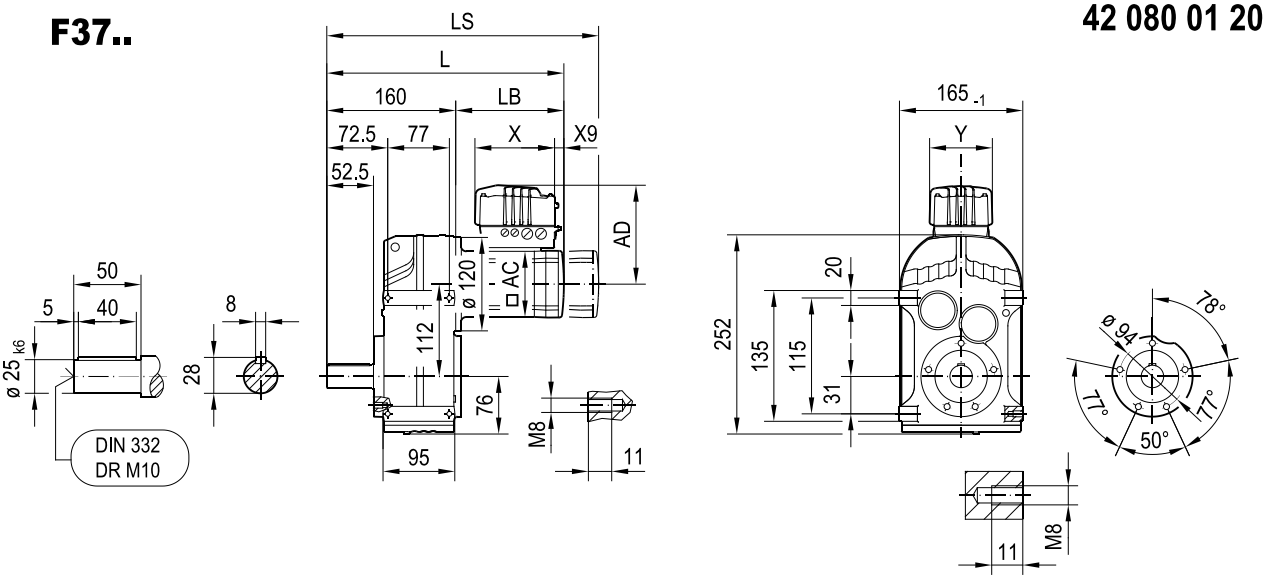


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X9	17/58	17/58						

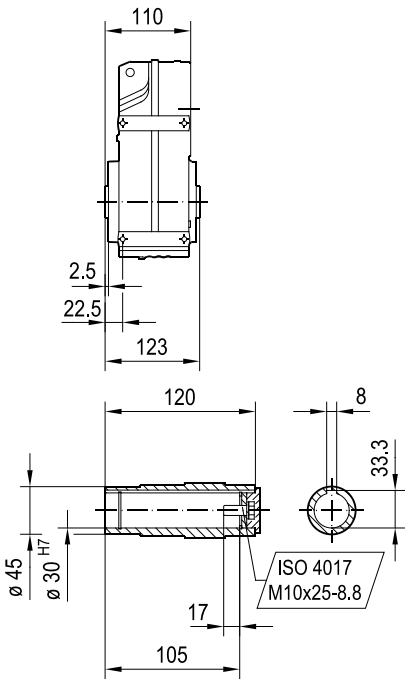
31546617/EN – 04/2026

F37..

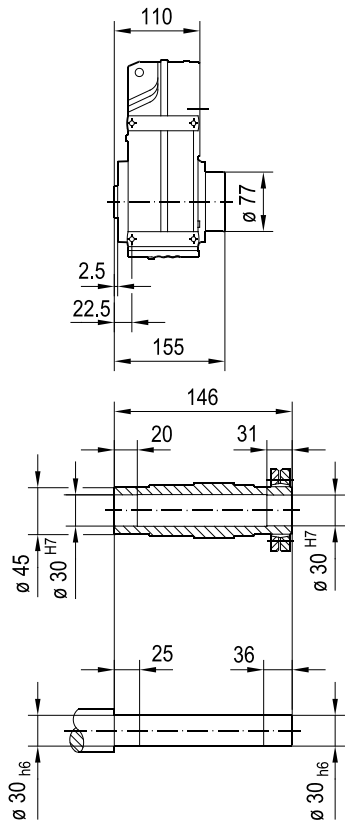
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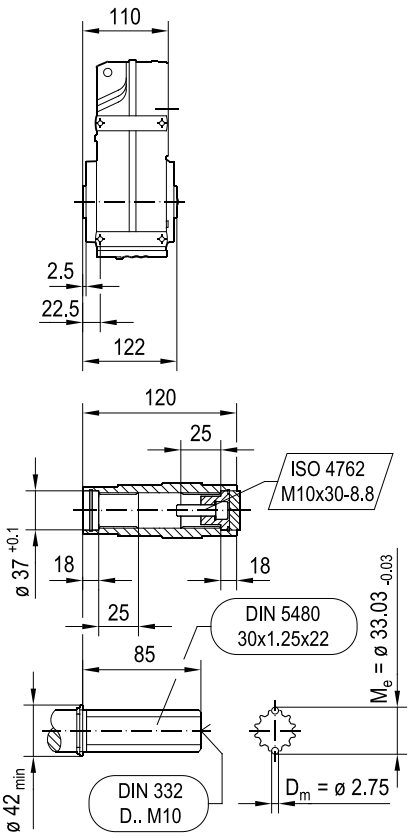
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FH37B..



FV37B..

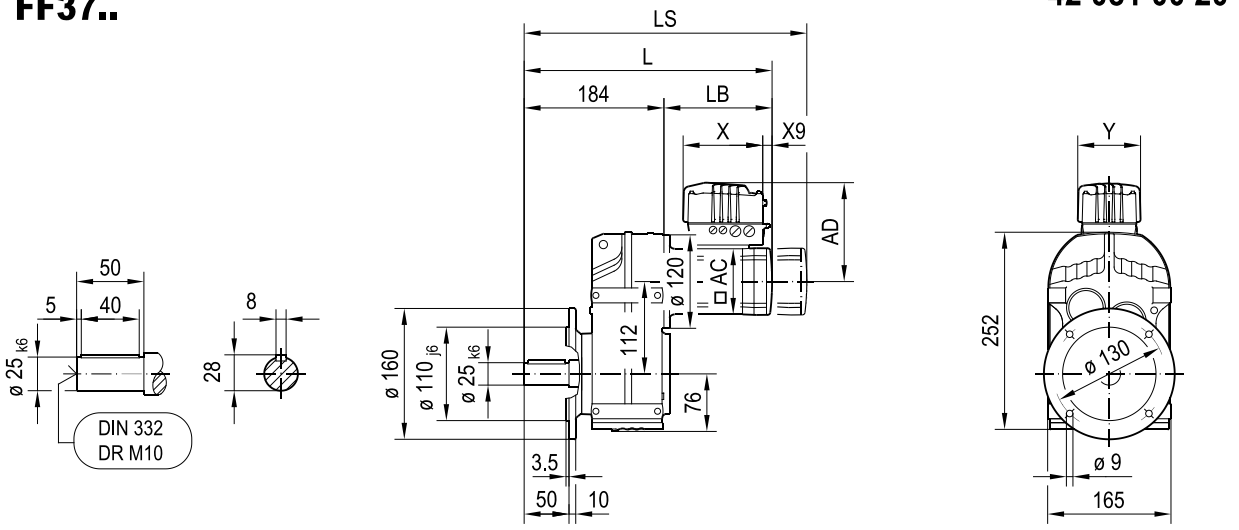


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LS	472	472						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

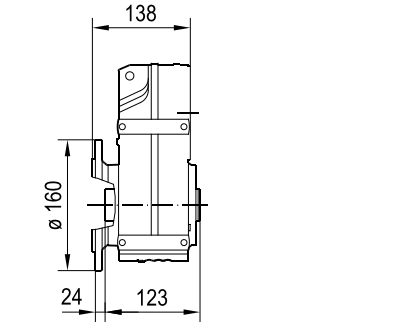
31546617/EN – 04/2026

FF37..

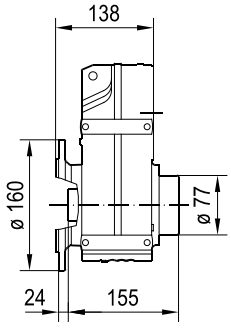
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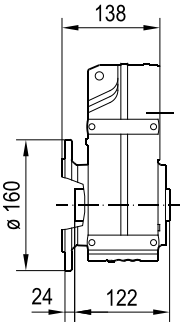
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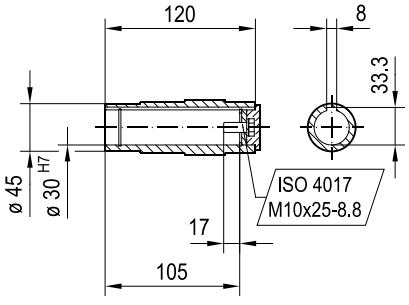


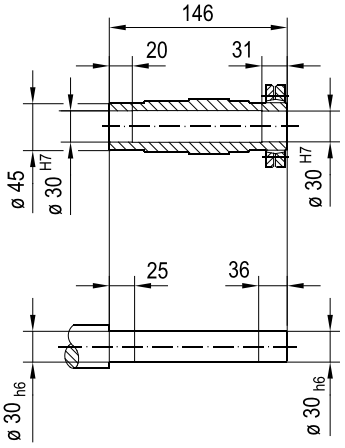
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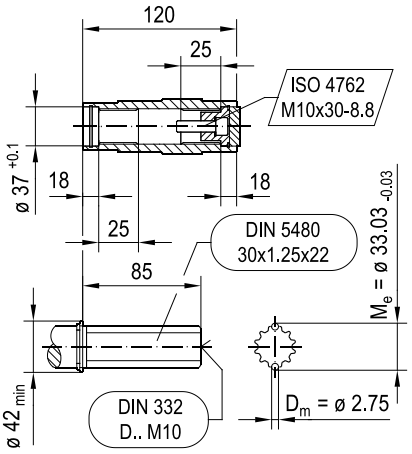


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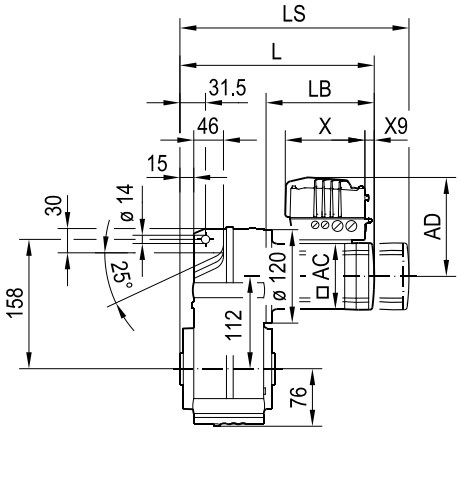


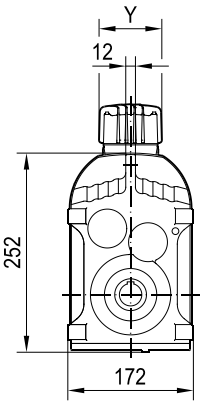


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LB	271	271						
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Y	145	168						
X9	17/58	17/58						

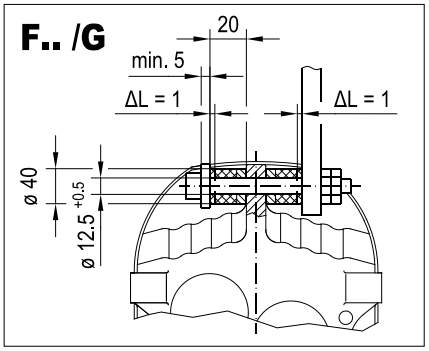
31546617/EN – 04/2026

FA37..

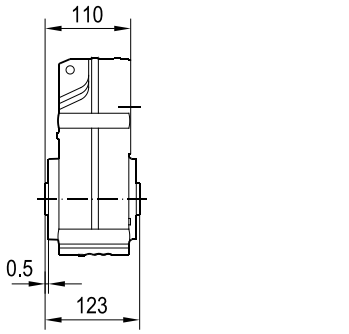


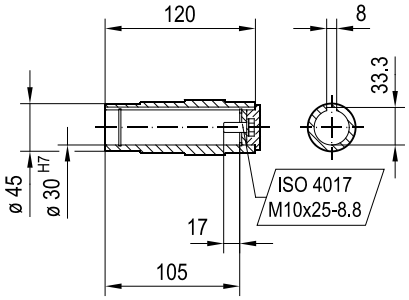


42 082 00 20

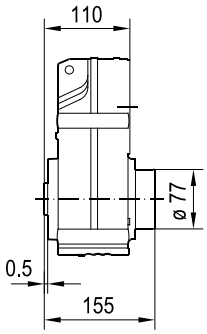


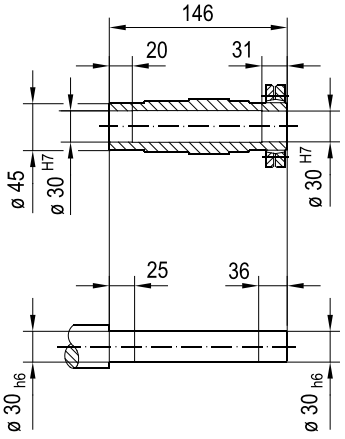
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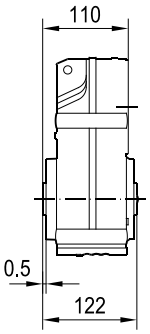


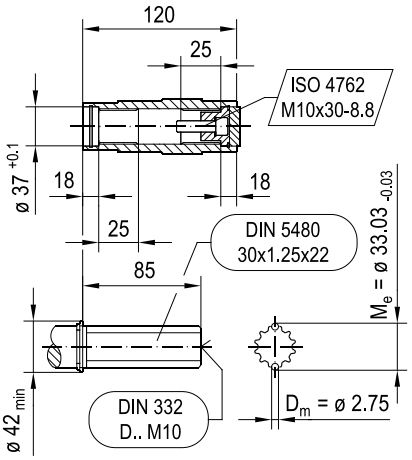
FH37..





FV37..



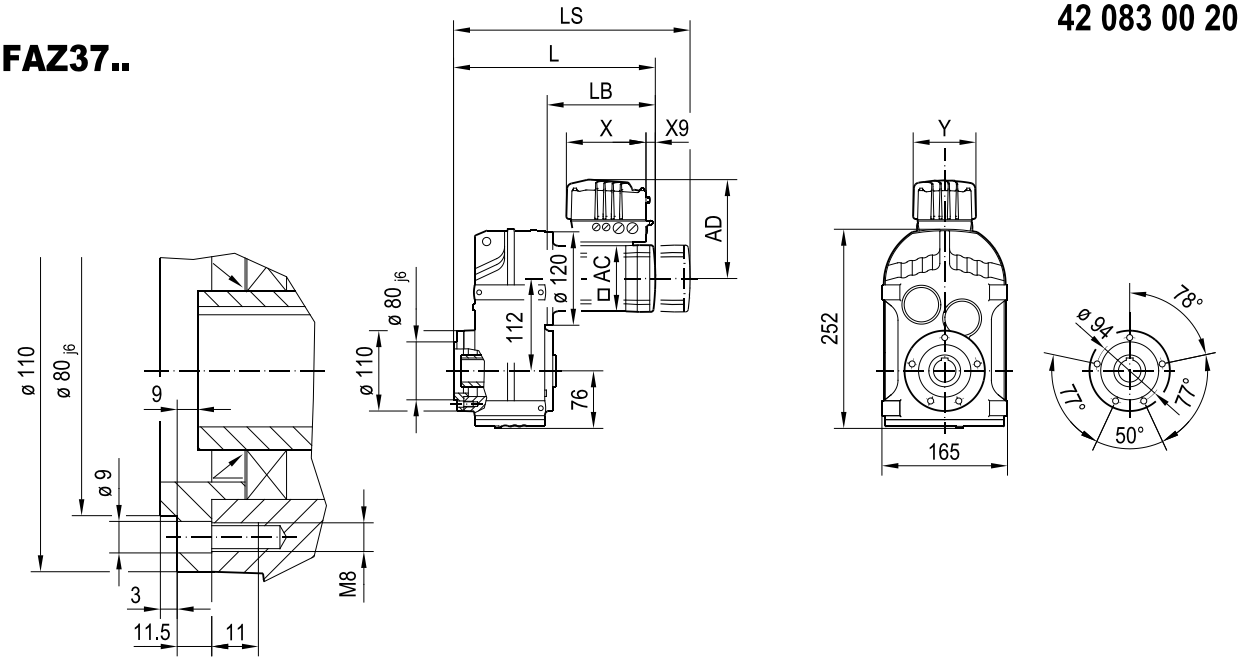


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LS	422	422						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

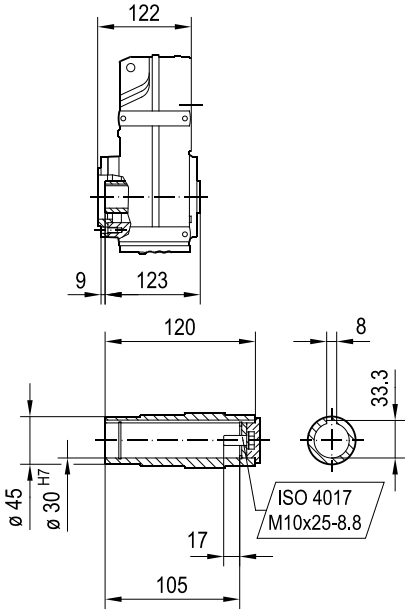
31546617/EN – 04/2026

42 083 00 20

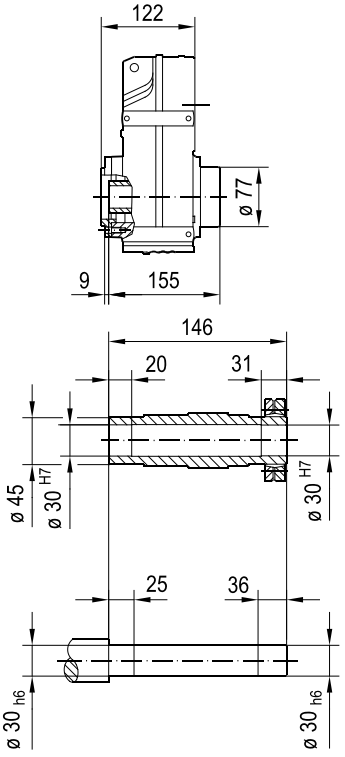
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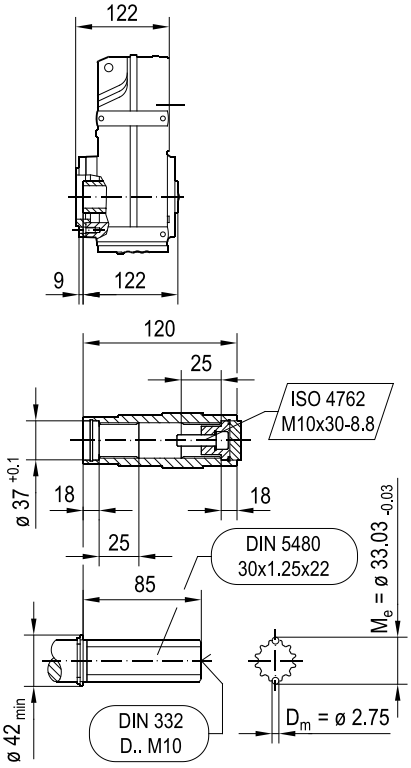
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FHZ37..



FVZ37..

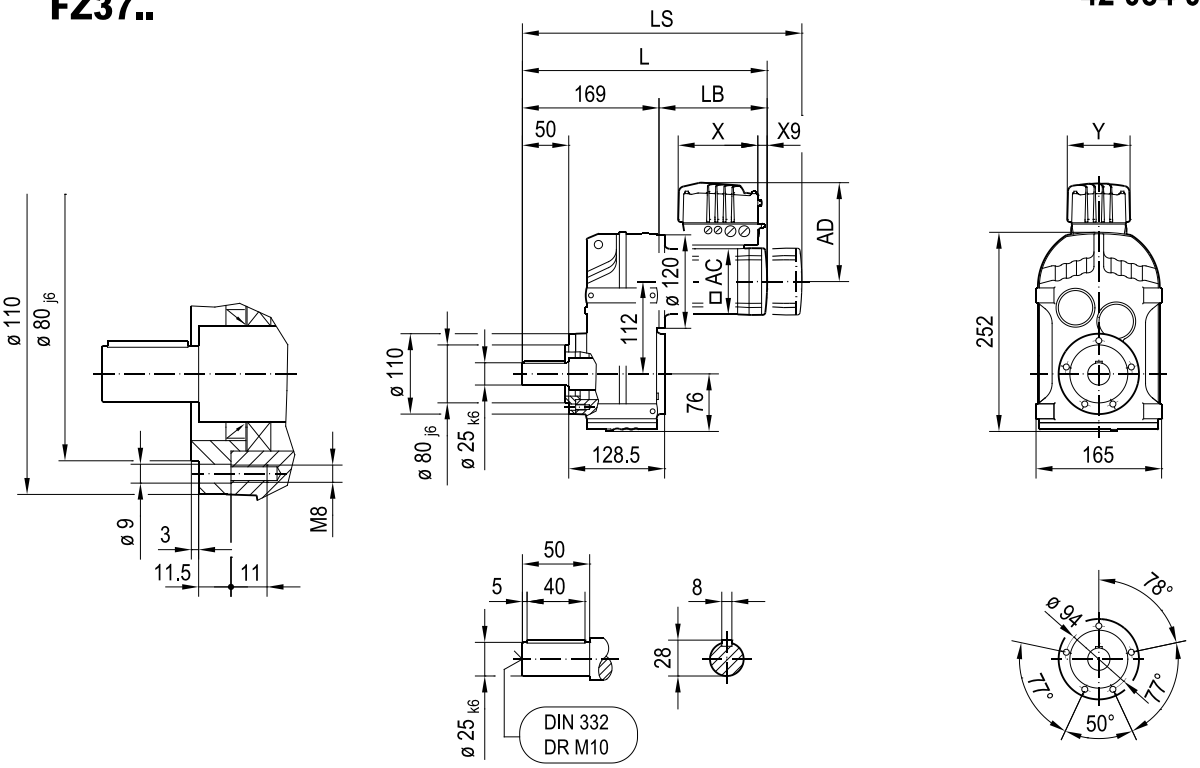


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L	393	393						
LS	434	434						
LB	271	271						
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Y	145	168						
X9	17/58	17/58						

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FZ37..

42 084 01 20

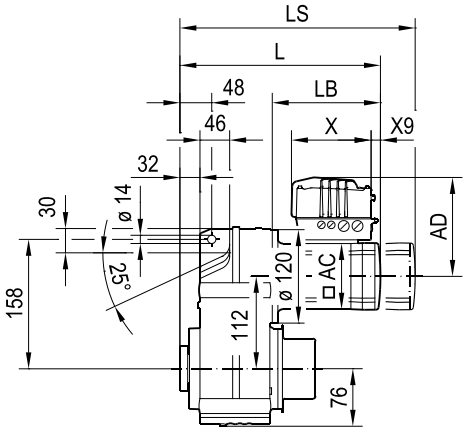


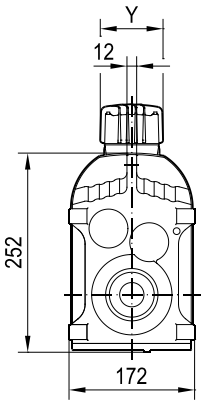
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Y	145	168						
X9	17/58	17/58						

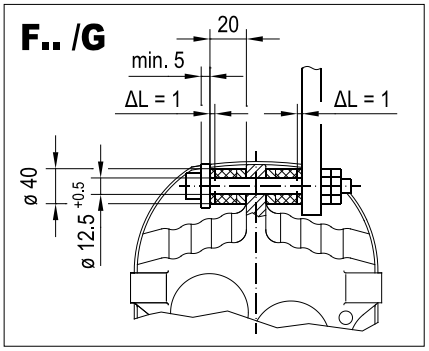
31546617/EN – 04/2026

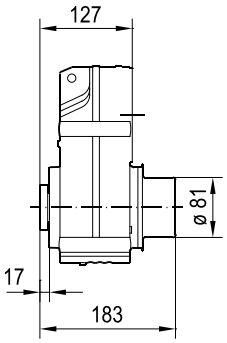
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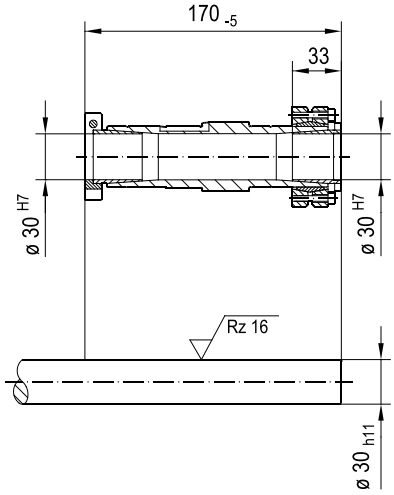
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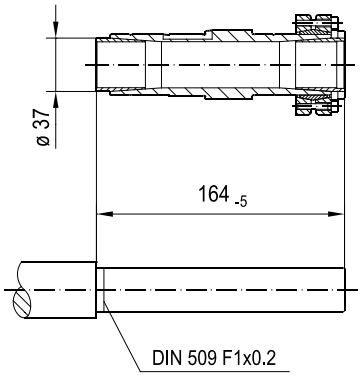










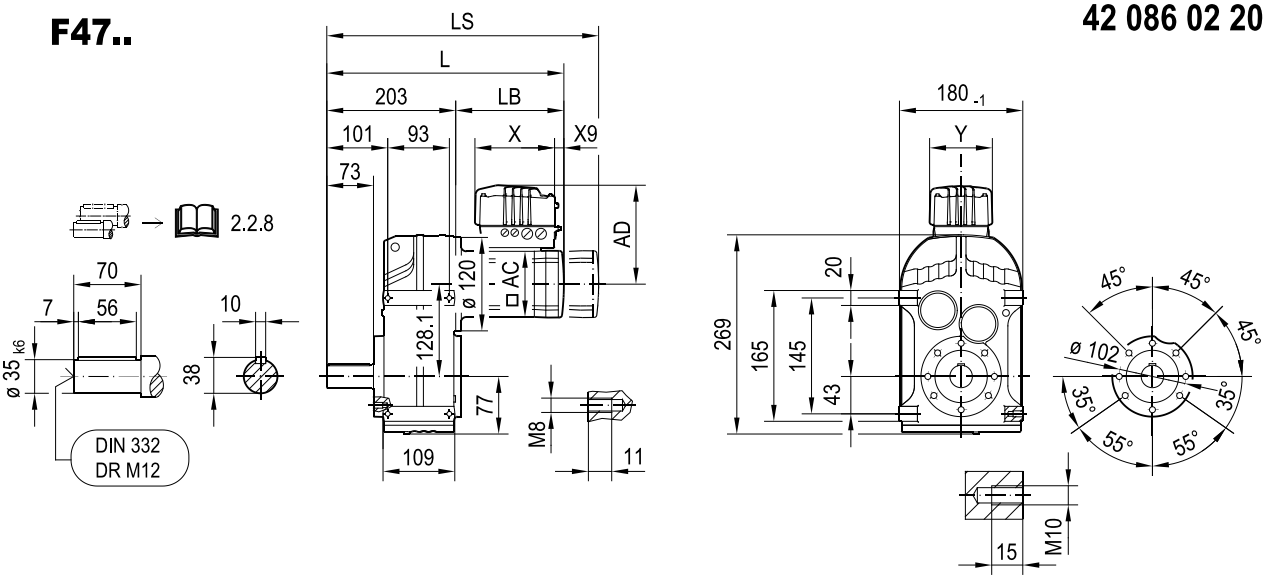


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Y	145	168						
X9	17/58	17/58						

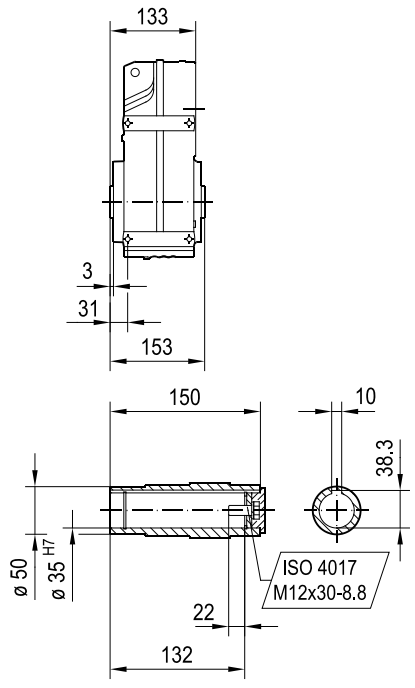
31546617/EN – 04/2026

F47..

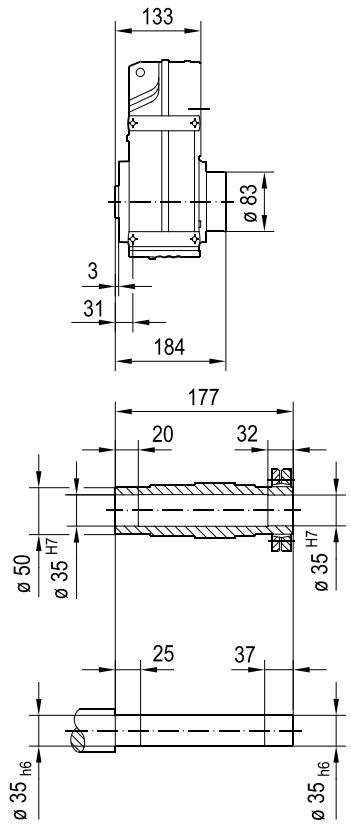
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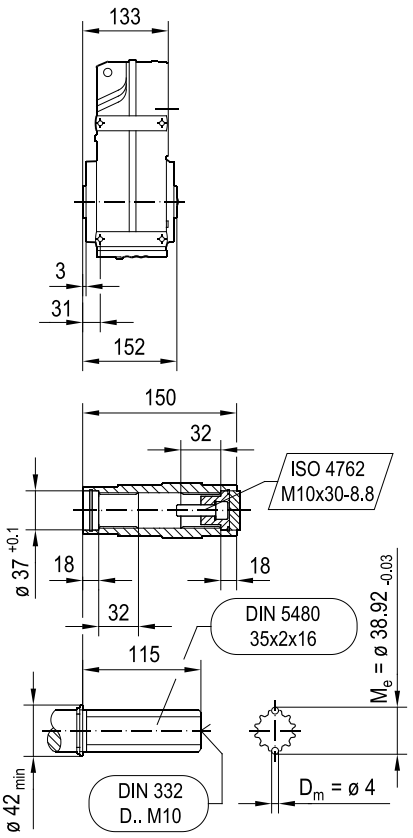
FA47B..



FH47B..



FV47B..

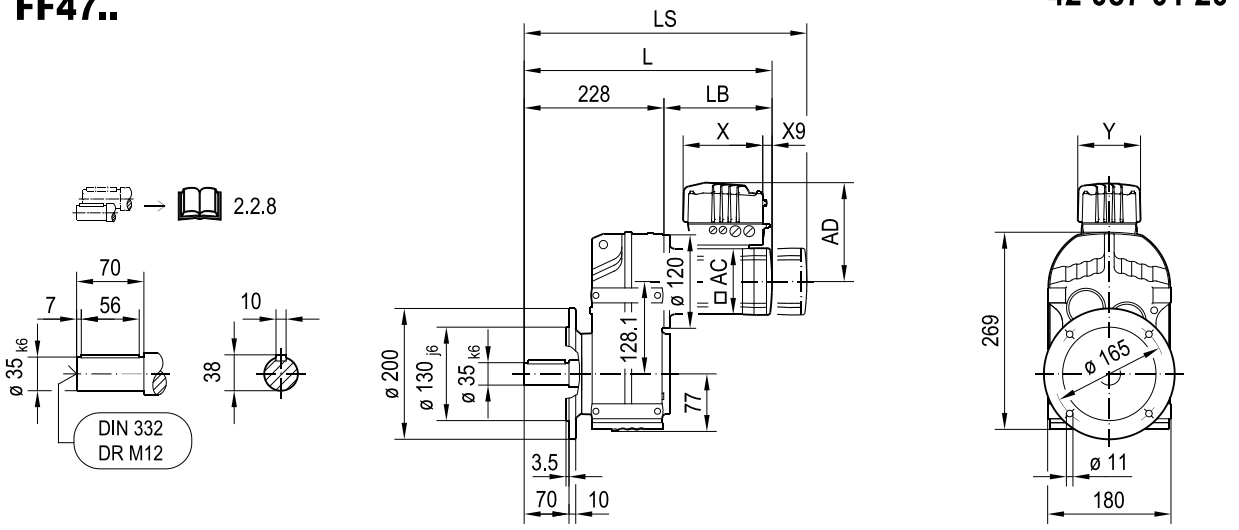


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AD	229	249	249					
L	464	464	490					
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LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

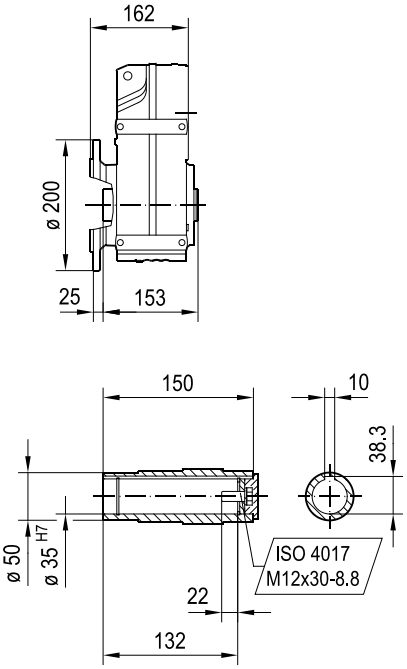
31546617/EN – 04/2026

FF47..

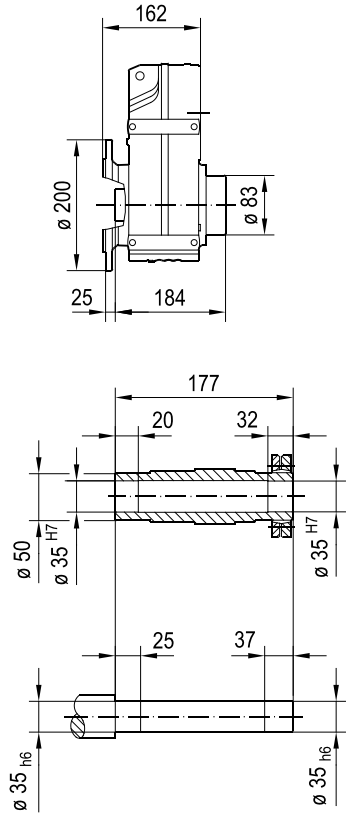
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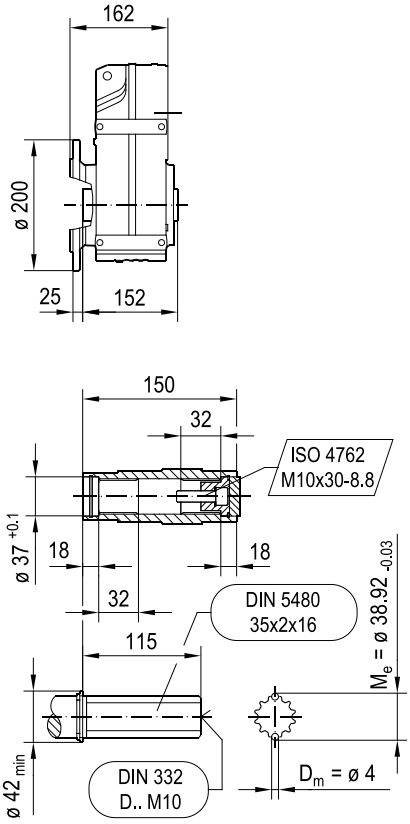
FAF47..



FHF47..



FVF47..

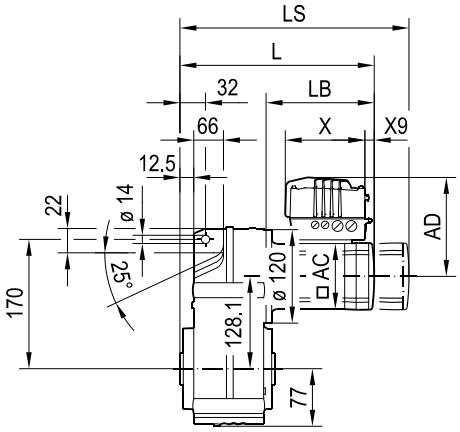


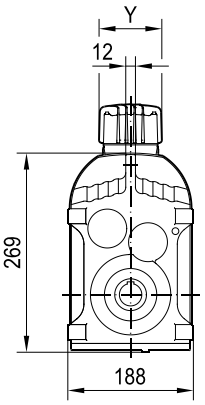
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AD	229	249	249					
L	489	489	515					
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LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

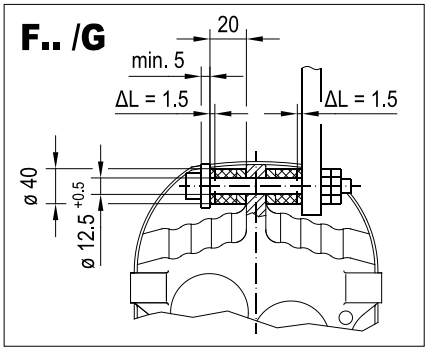
31546617/EN – 04/2026

42 088 00 20

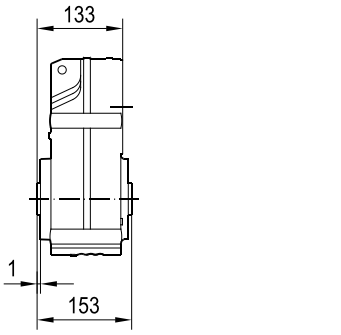
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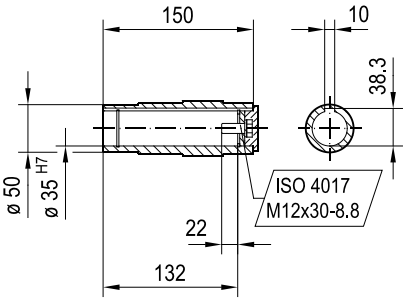




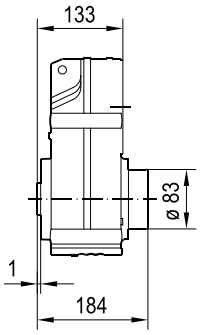


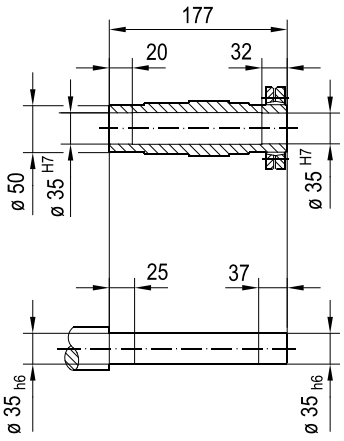
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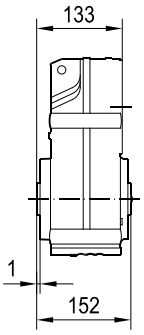


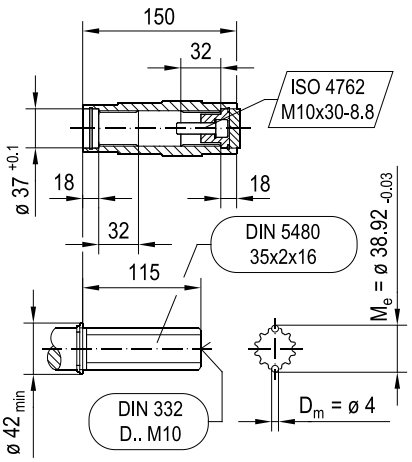
FH47..





FV47..



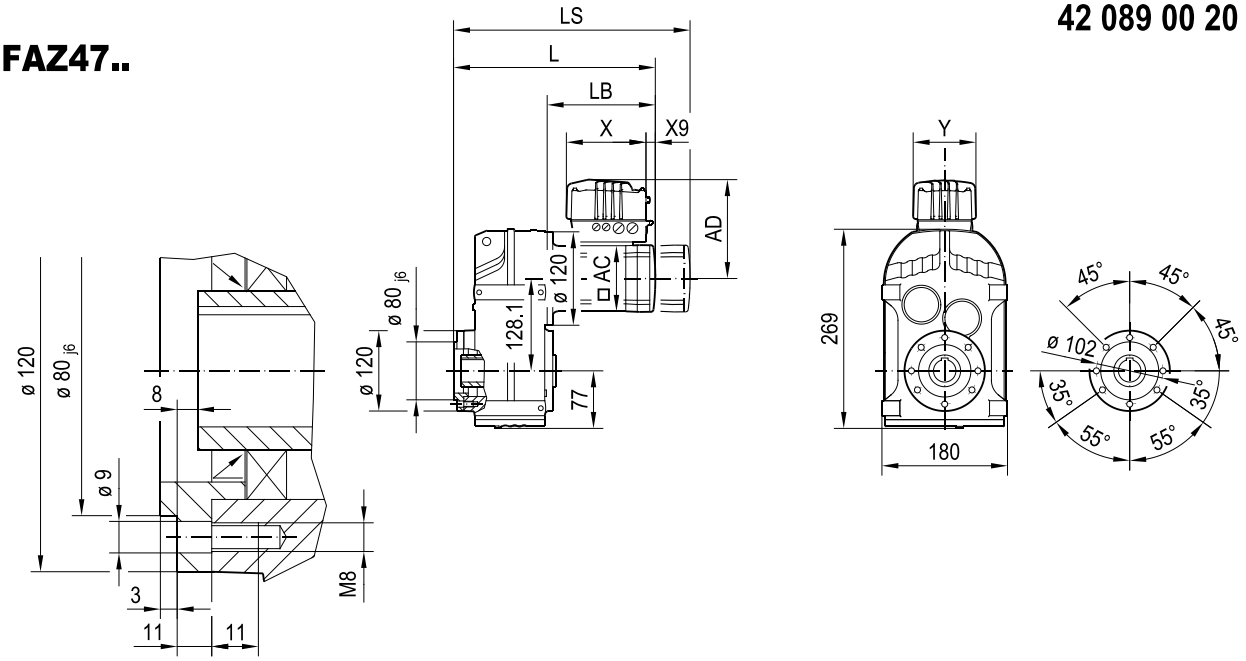


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	404	404	430					
LS	445	445	471					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

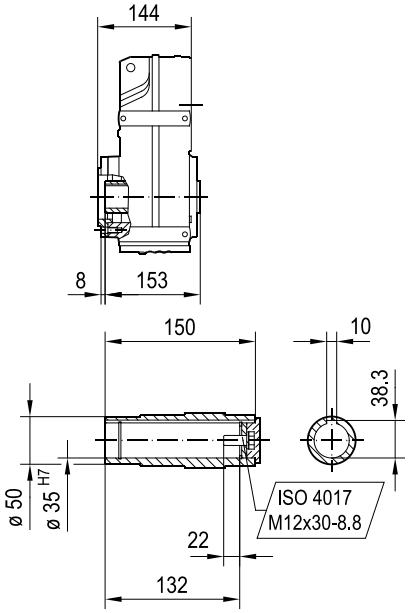
31546617/EN – 04/2026

42 089 00 20

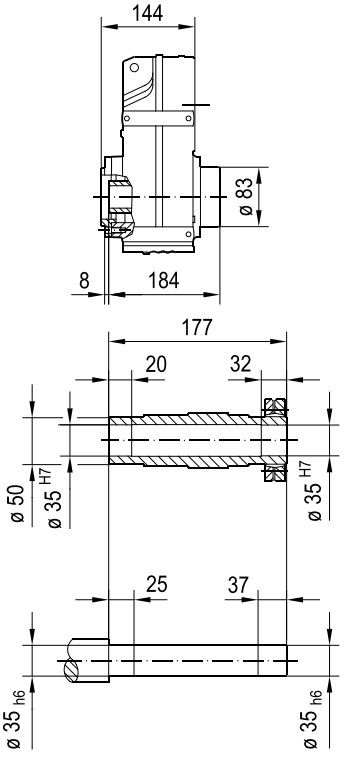
FAZ47..



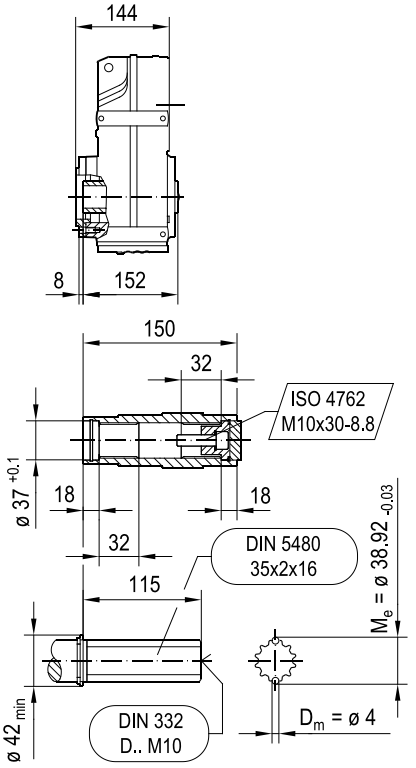
FAZ47..



FHZ47..



FVZ47..

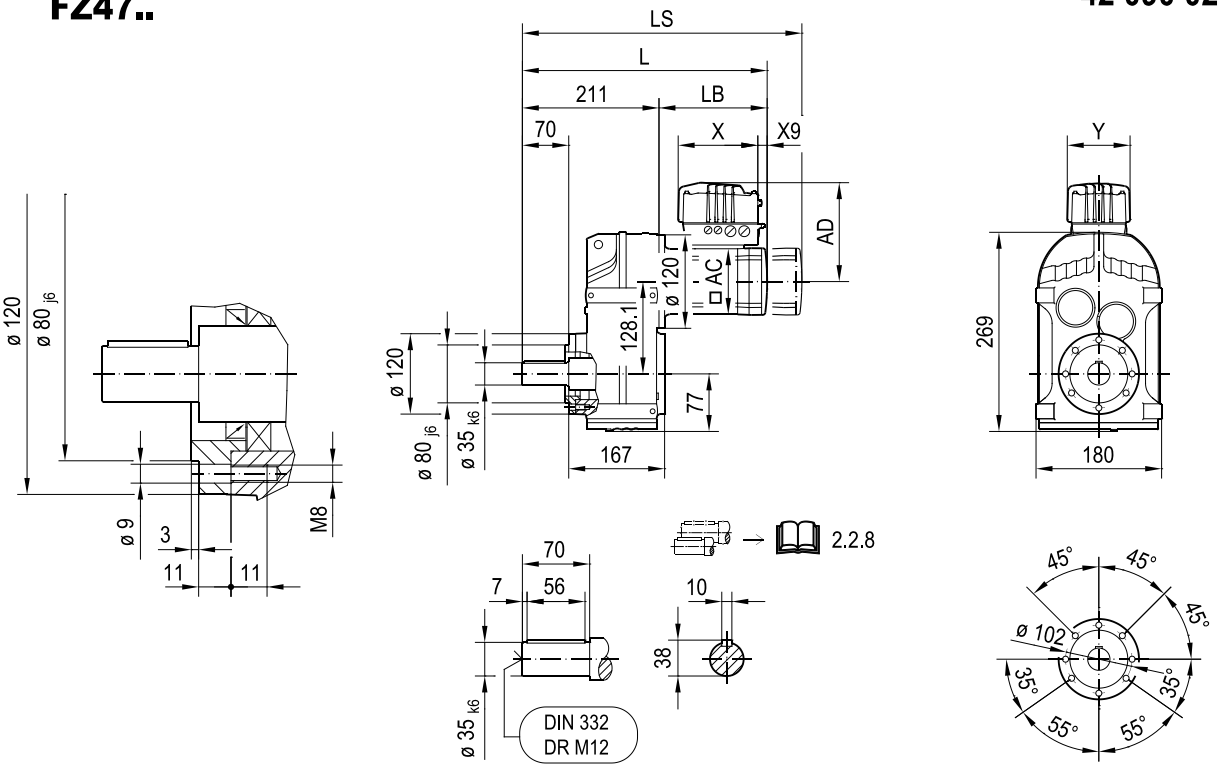


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	415	415	441					
LS	456	456	482					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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FZ47..

42 090 02 20

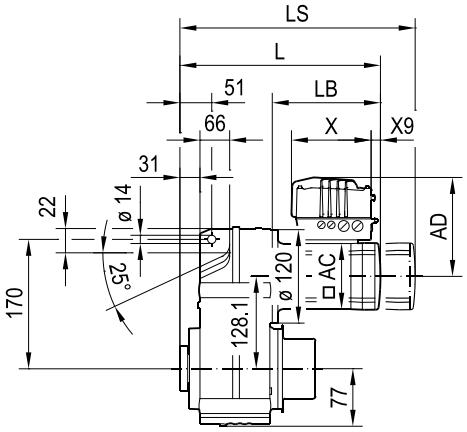


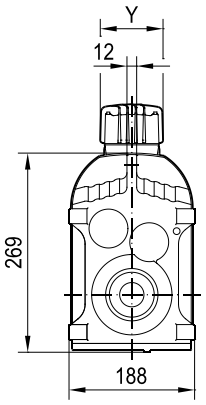
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	472	472	498					
LS	513	513	539					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

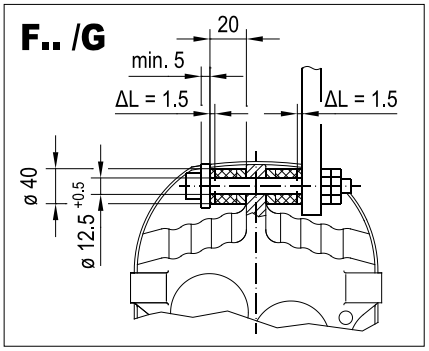
31546617/EN – 04/2026

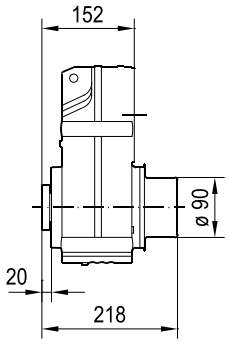
FT47..

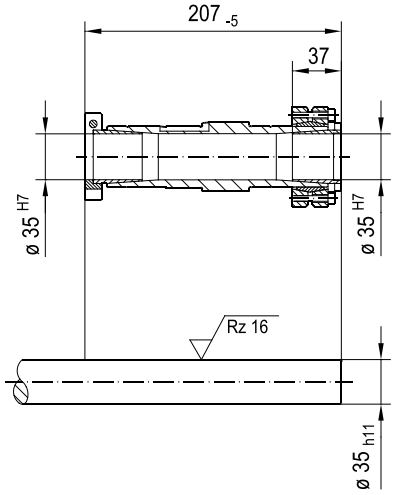
42 091 00 20

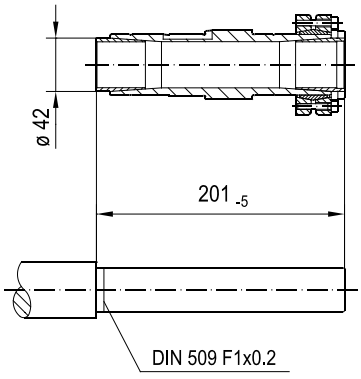










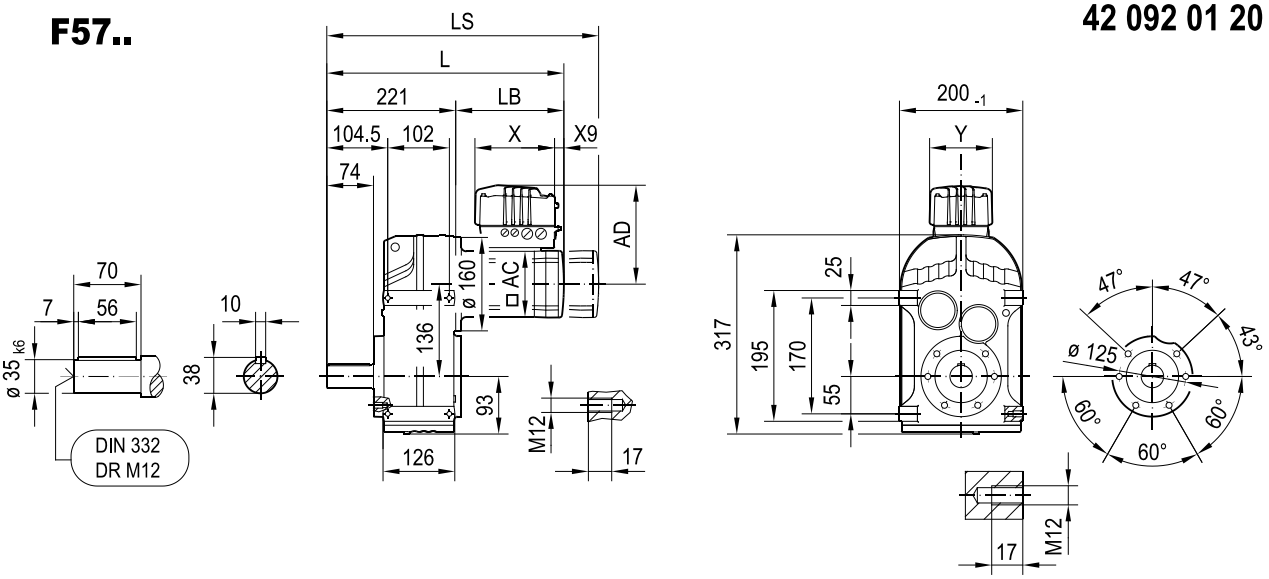


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	423	423	449					
LS	464	464	490					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

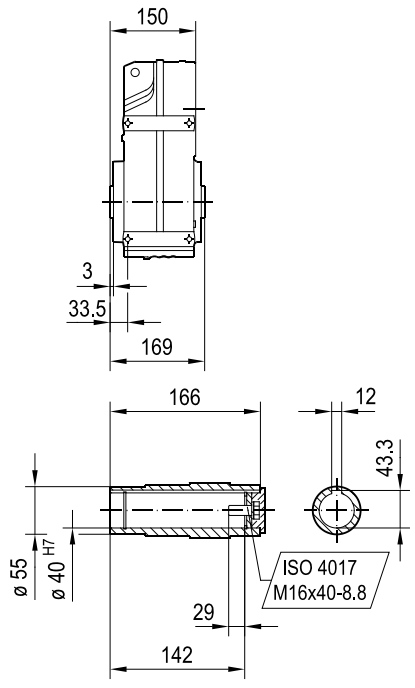
31546617/EN – 04/2026

F57..

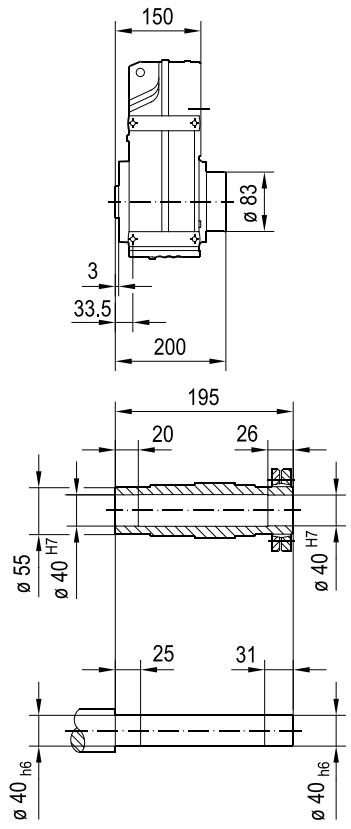
42 092 01 20



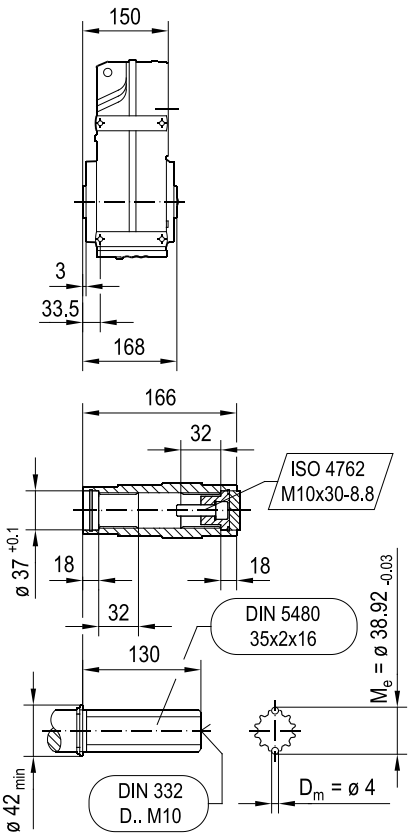
FA57B..



FH57B..



FV57B..

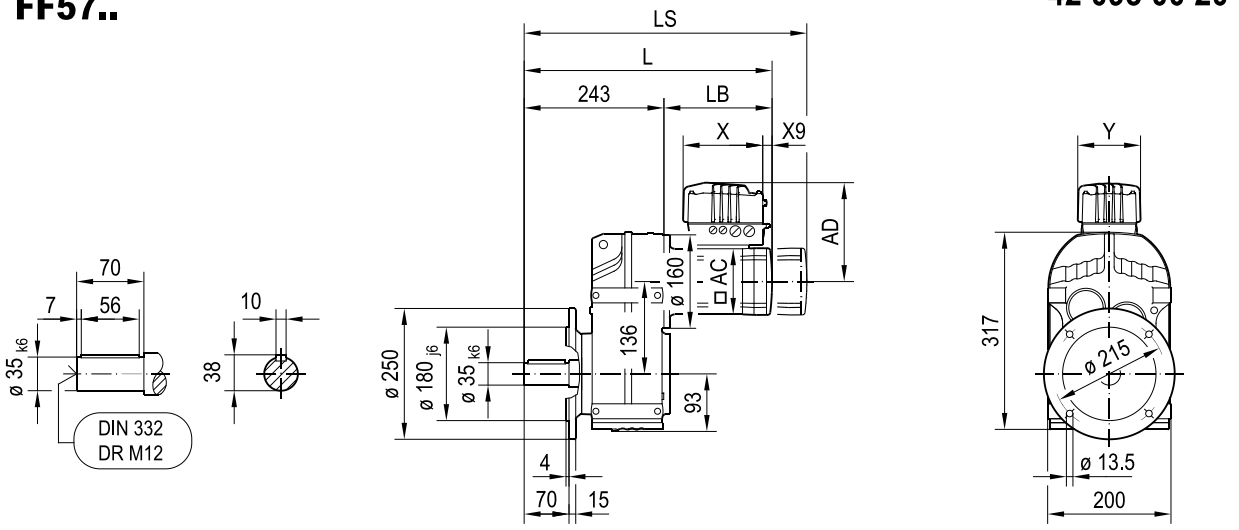


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	483	483	509	645	645			
LS	524	524	550	669	669			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

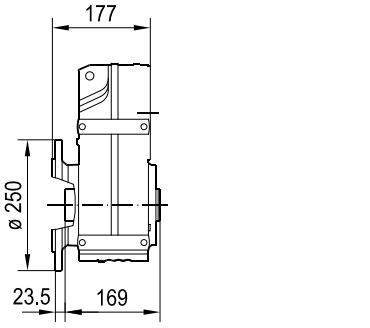
31546617/EN – 04/2026

FF57..

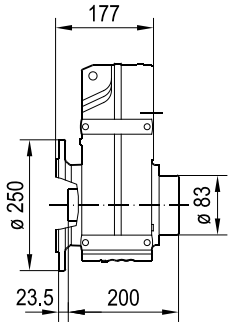
42 093 00 20



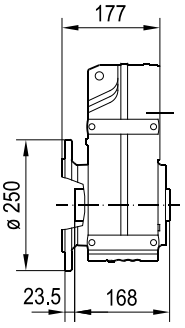
FAF57..

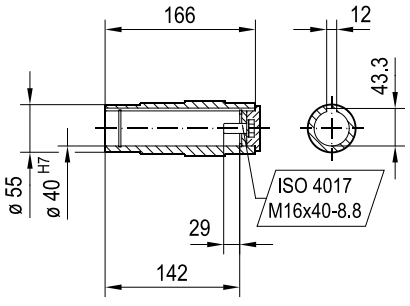


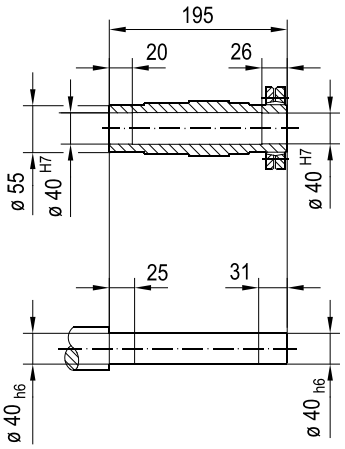
FHF57..

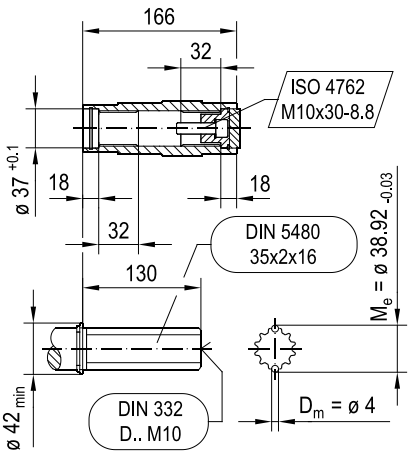


FVF57..







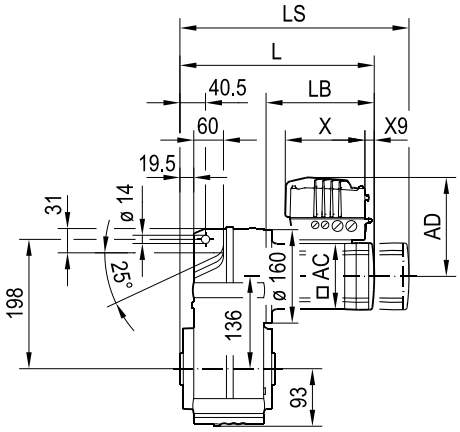


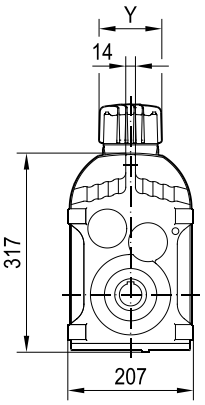
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	505	505	531	667	667			
LS	546	546	572	691	691			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

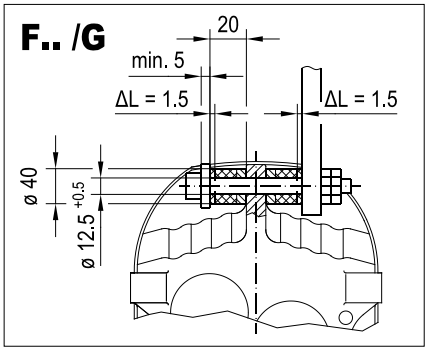
31546617/EN – 04/2026

FA57..

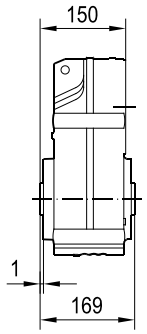
42 094 00 20

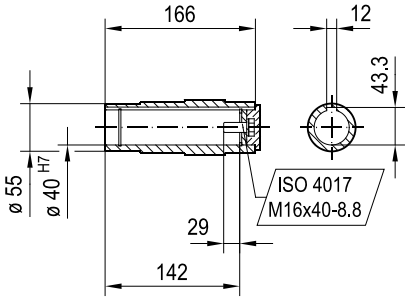




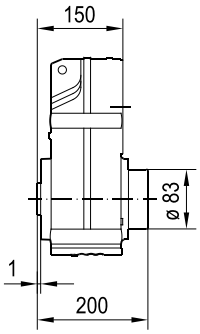


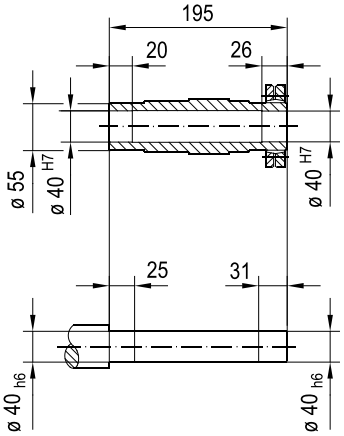
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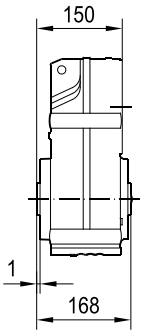


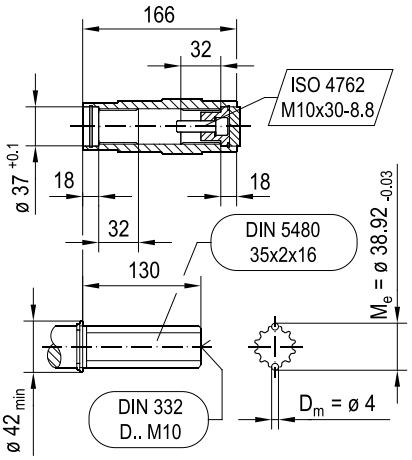
FH57..





FV57..



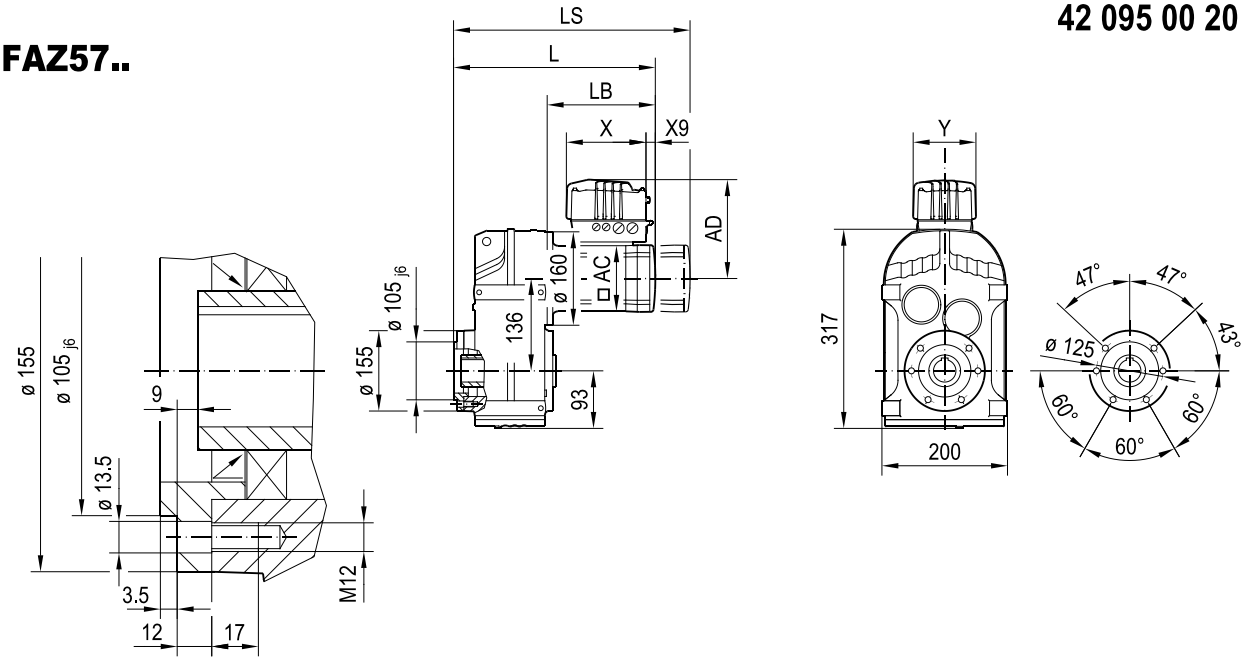


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	412	412	438	574	574			
LS	453	453	479	598	598			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

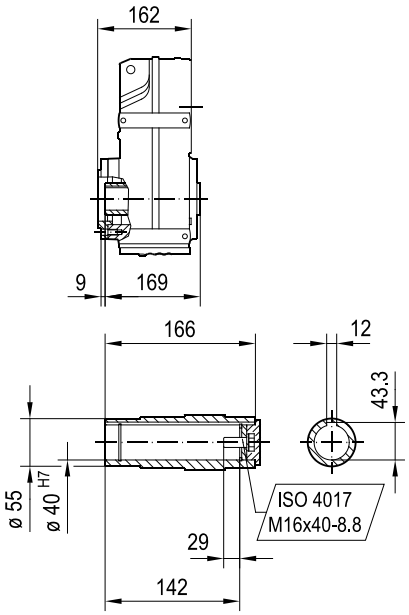
31546617/EN – 04/2026

42 095 00 20

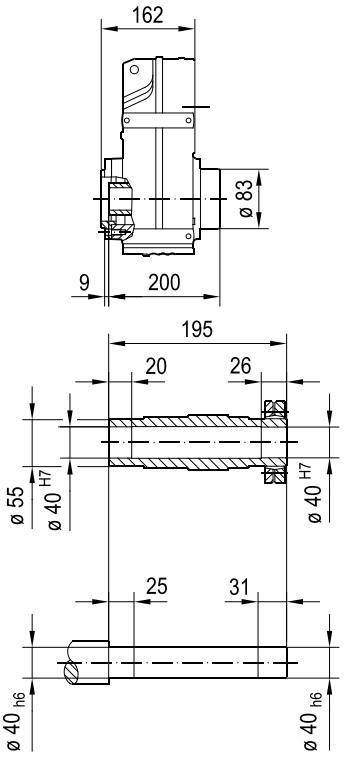
FAZ57..



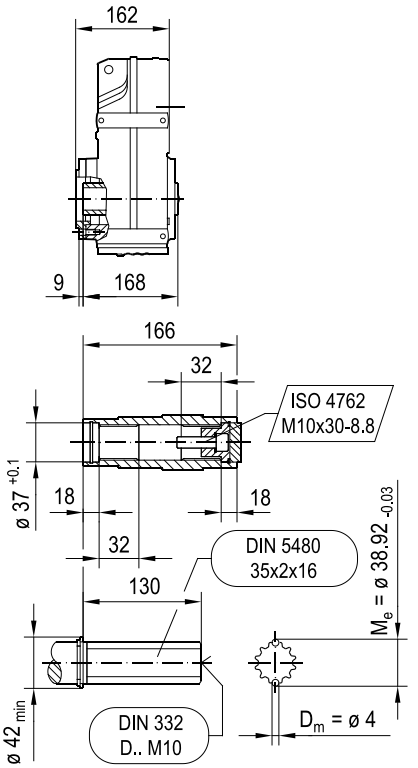
FAZ57..



FHZ57..



FVZ57..

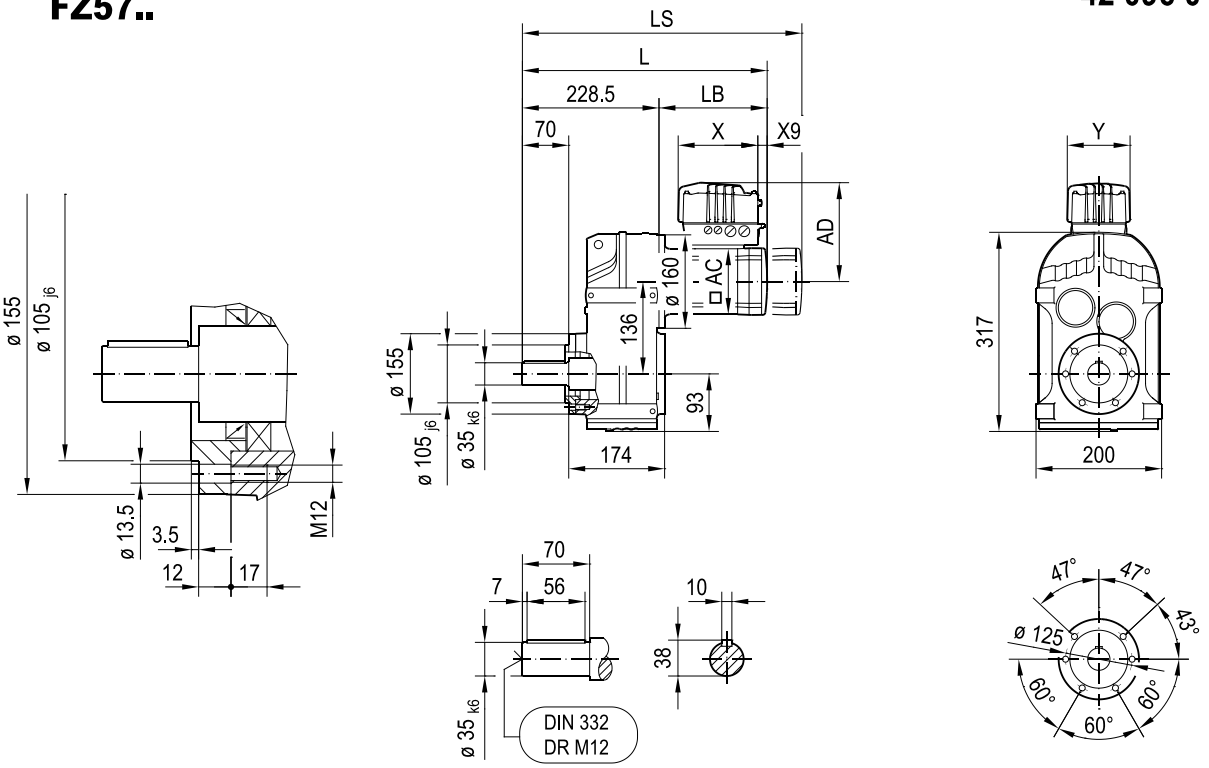


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	424	424	450	586	586			
LS	465	465	491	610	610			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

FZ57..

42 096 01 20

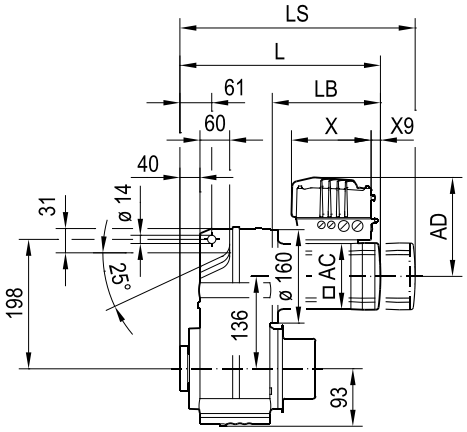


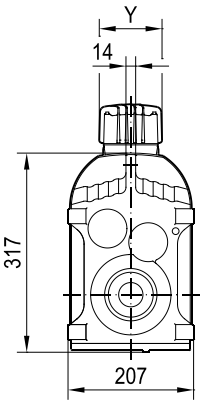
	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	490	490	516	653	653			
LS	531	531	557	677	677			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

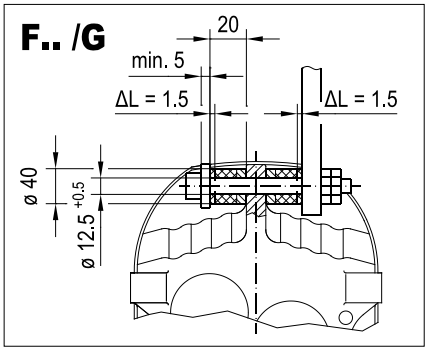
31546617/EN – 04/2026

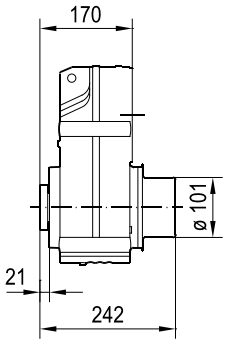
FT57..

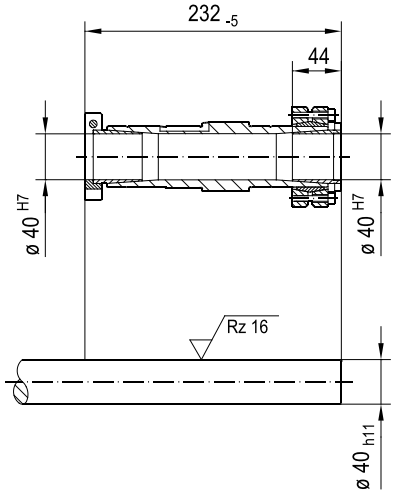
42 097 00 20

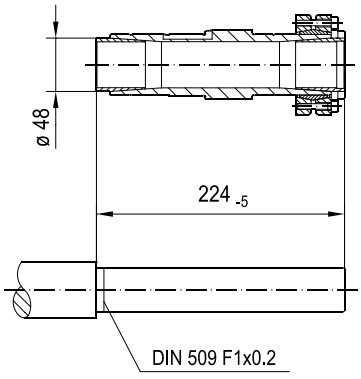










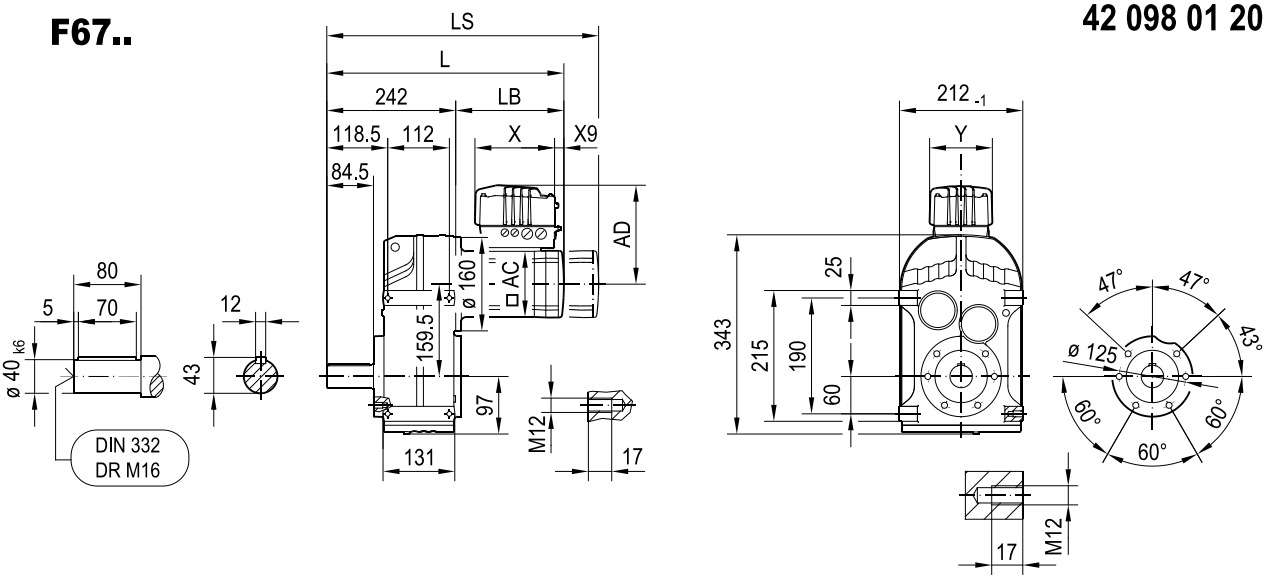


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	432	432	458	594	594			
LS	473	473	499	618	618			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

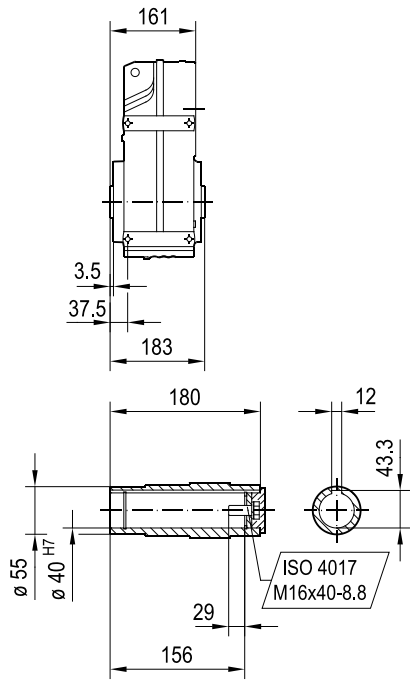
31546617/EN – 04/2026

F67..

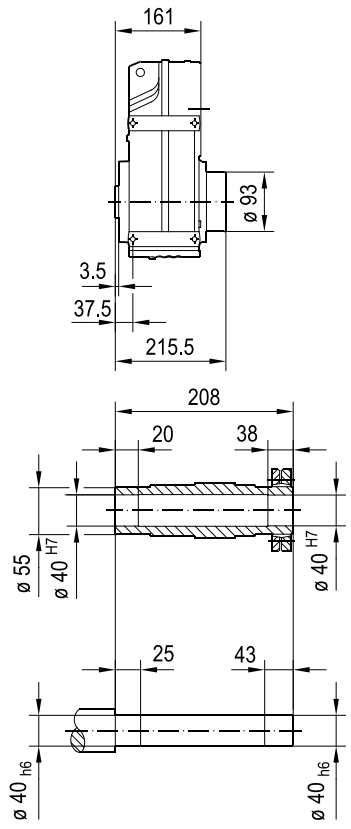
42 098 01 20



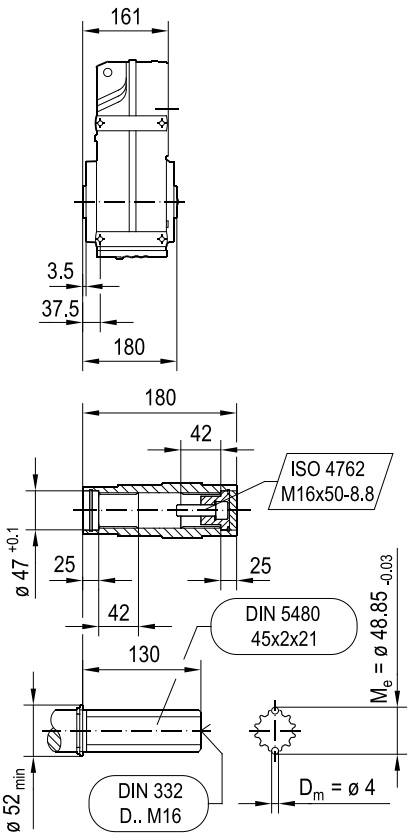
FA67B..



FH67B..



FV67B..

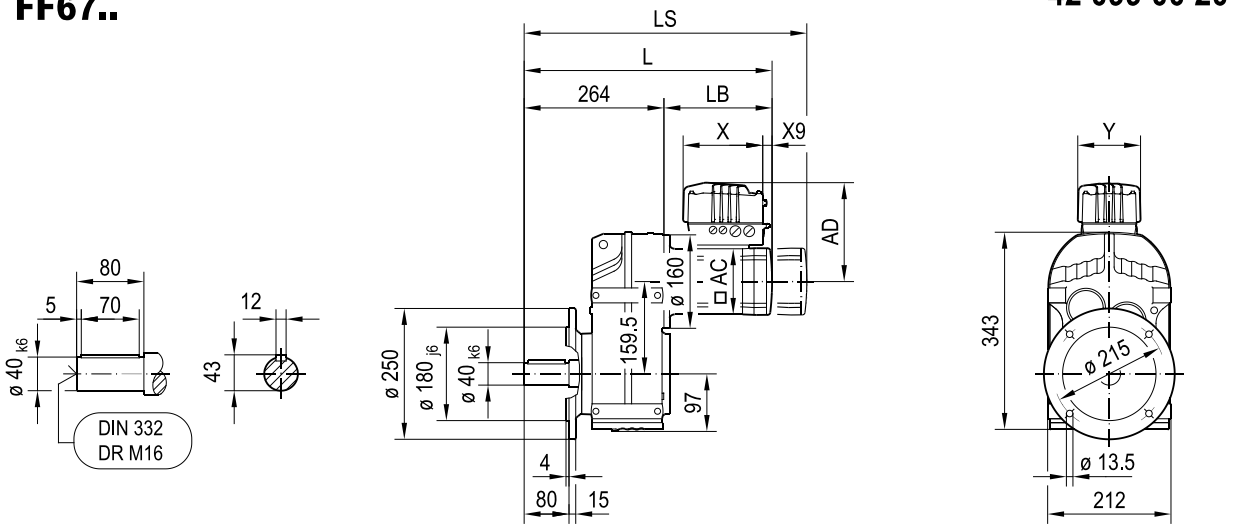


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	504	504	530	666	666			
LS	545	545	571	690	690			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

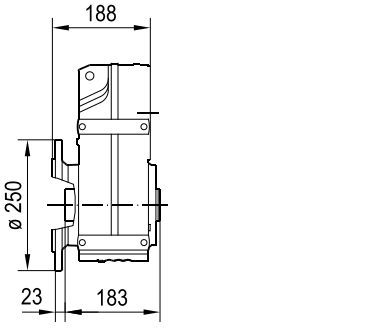
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FF67..

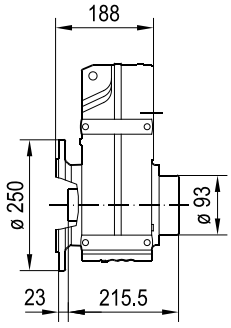
42 099 00 20



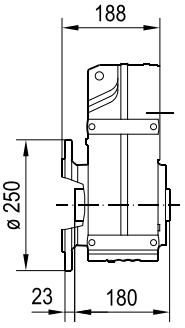
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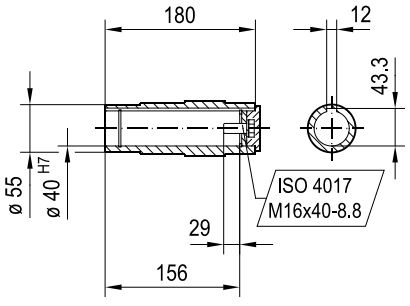


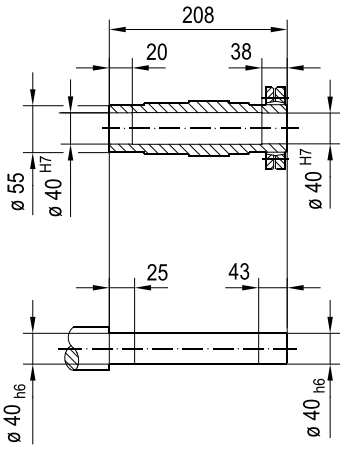
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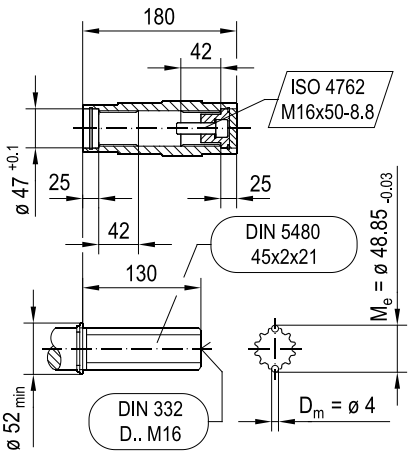


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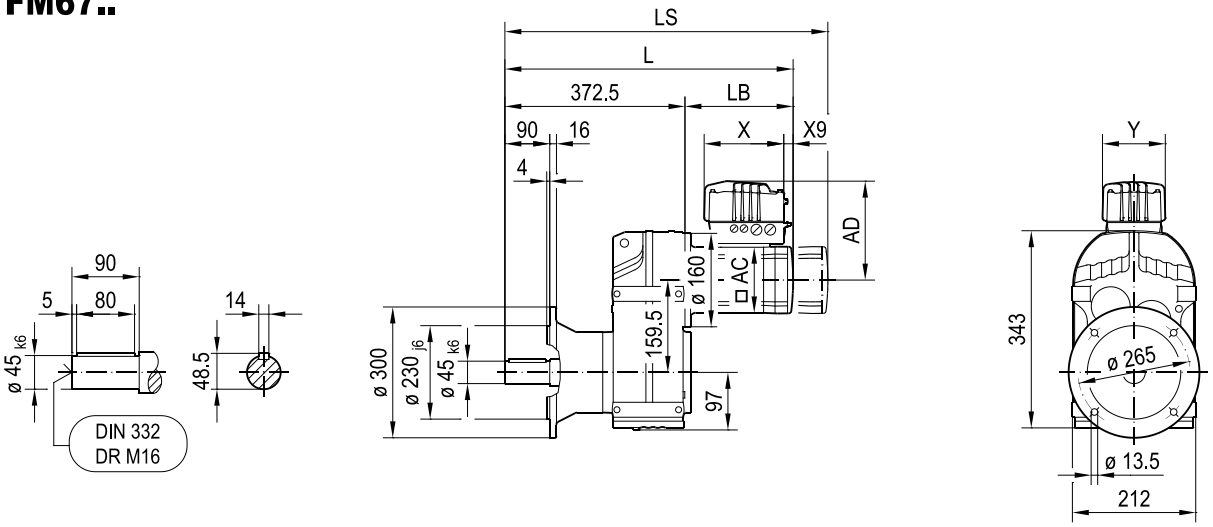


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	526	526	552	688	688			
LS	567	567	593	712	712			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

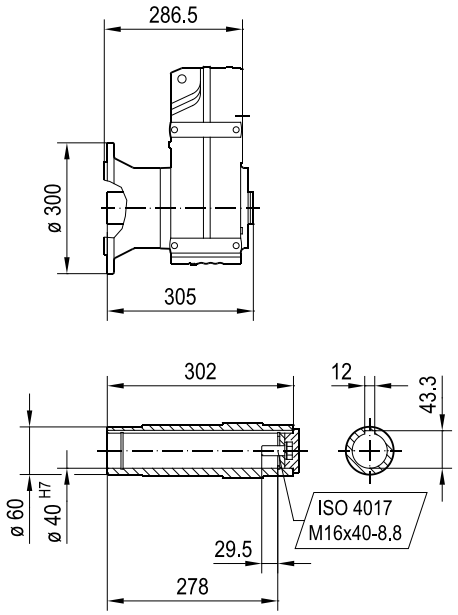
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FM67..

42 100 00 20



FAM67..

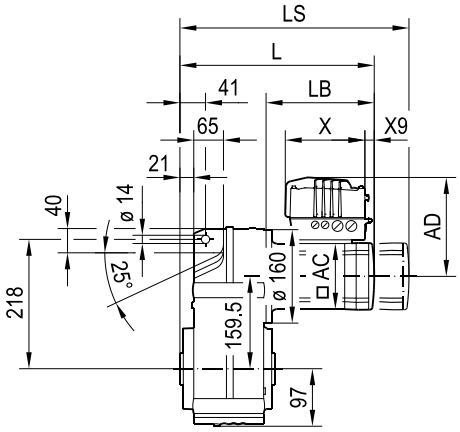


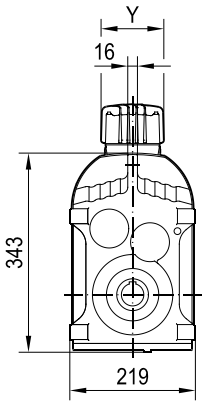
	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	634	634	660	797	797			
LS	675	675	701	821	821			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

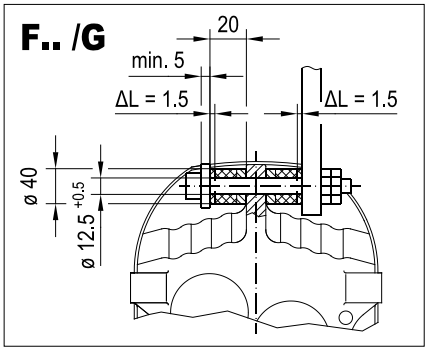
31546617/EN – 04/2026

42 101 00 20

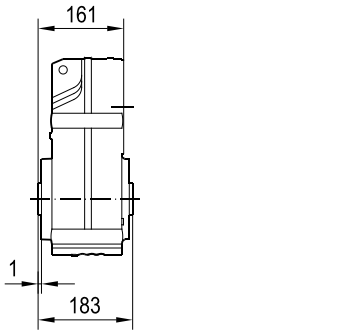
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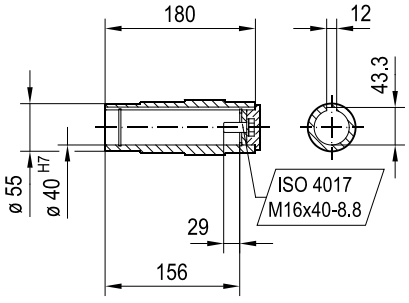




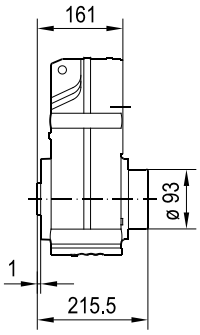


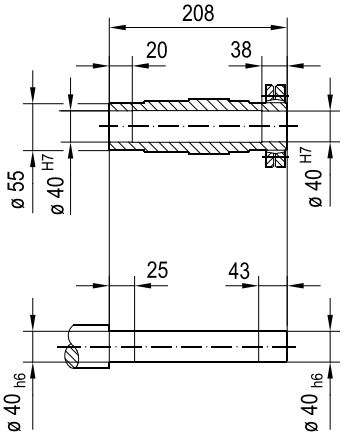
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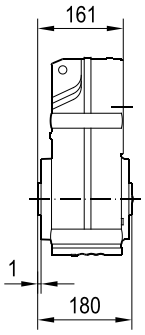


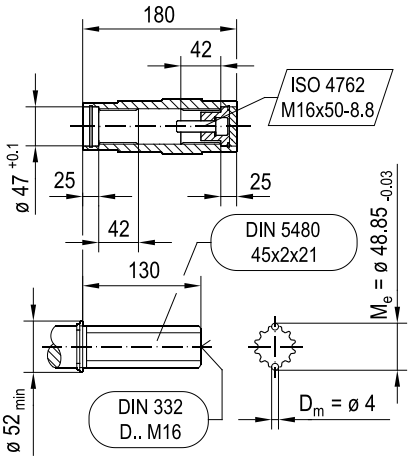
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FV67..



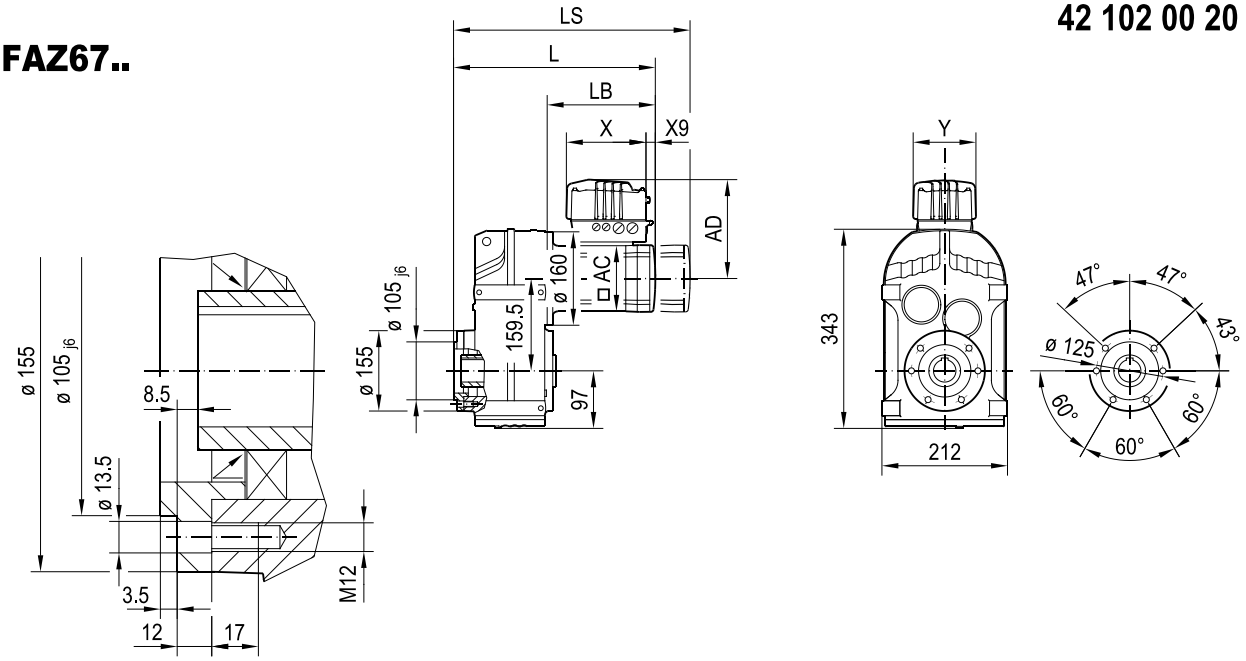


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	423	423	449	585	585			
LS	464	464	490	609	609			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

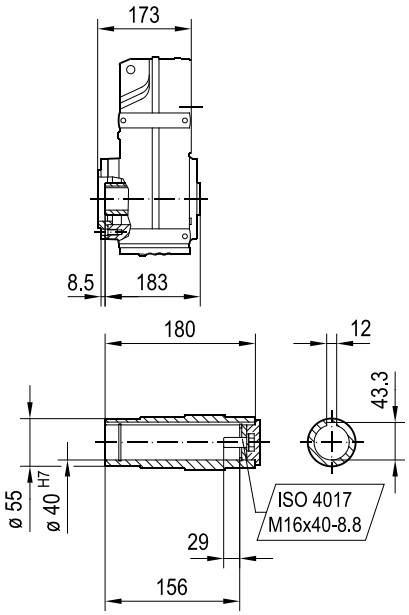
31546617/EN – 04/2026

42 102 00 20

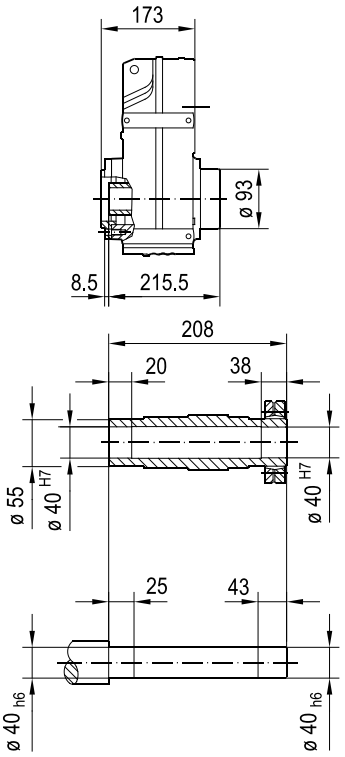
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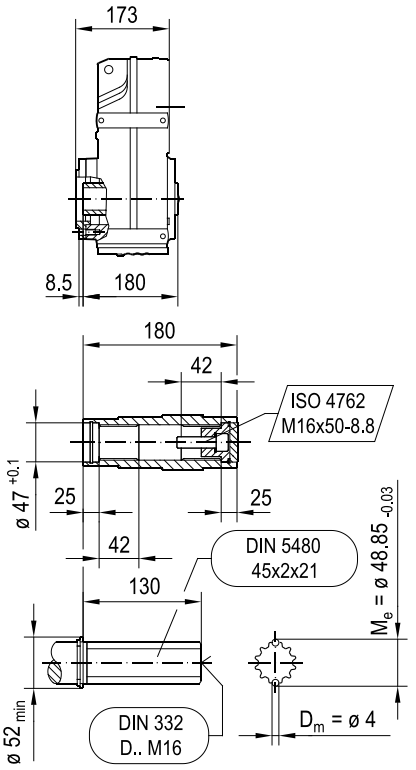
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FHZ67..



FVZ67..

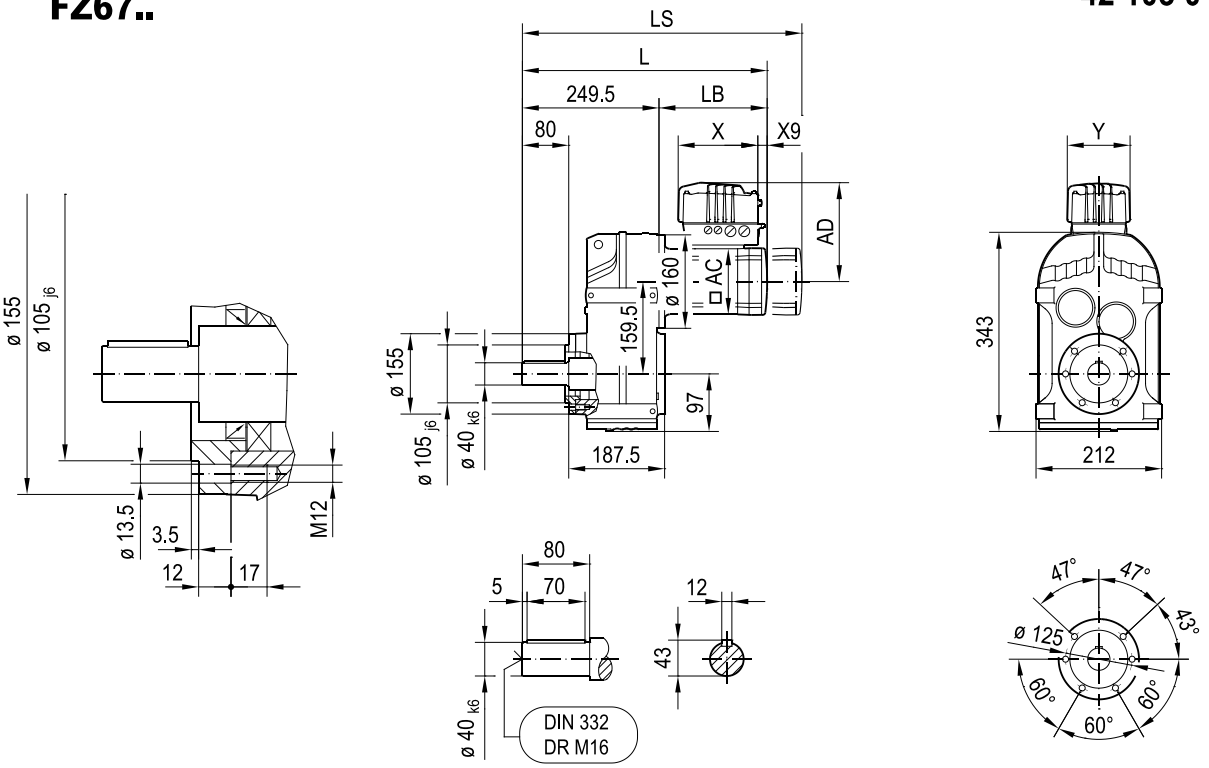


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	435	435	461	597	597			
LS	476	476	502	621	621			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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FZ67..

42 103 01 20

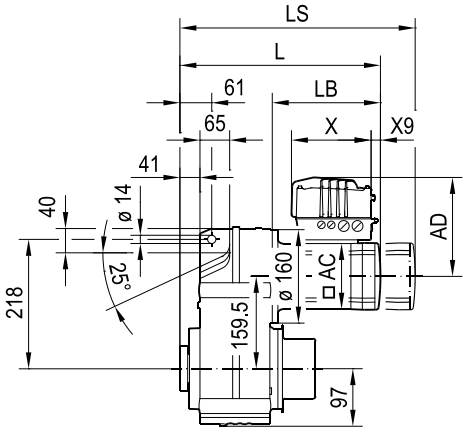


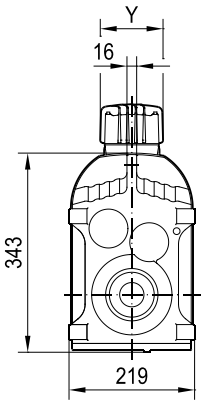
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	511	511	537	674	674			
LS	552	552	578	698	698			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

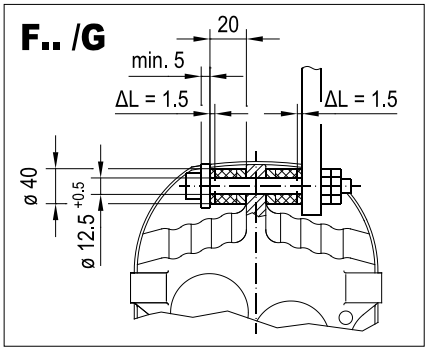
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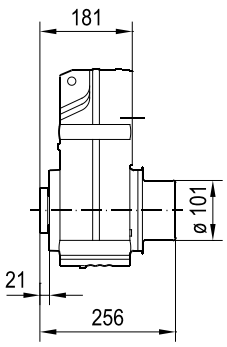
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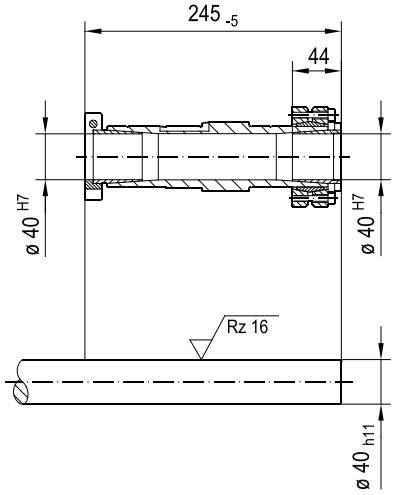
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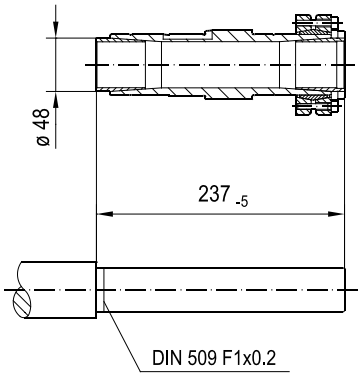










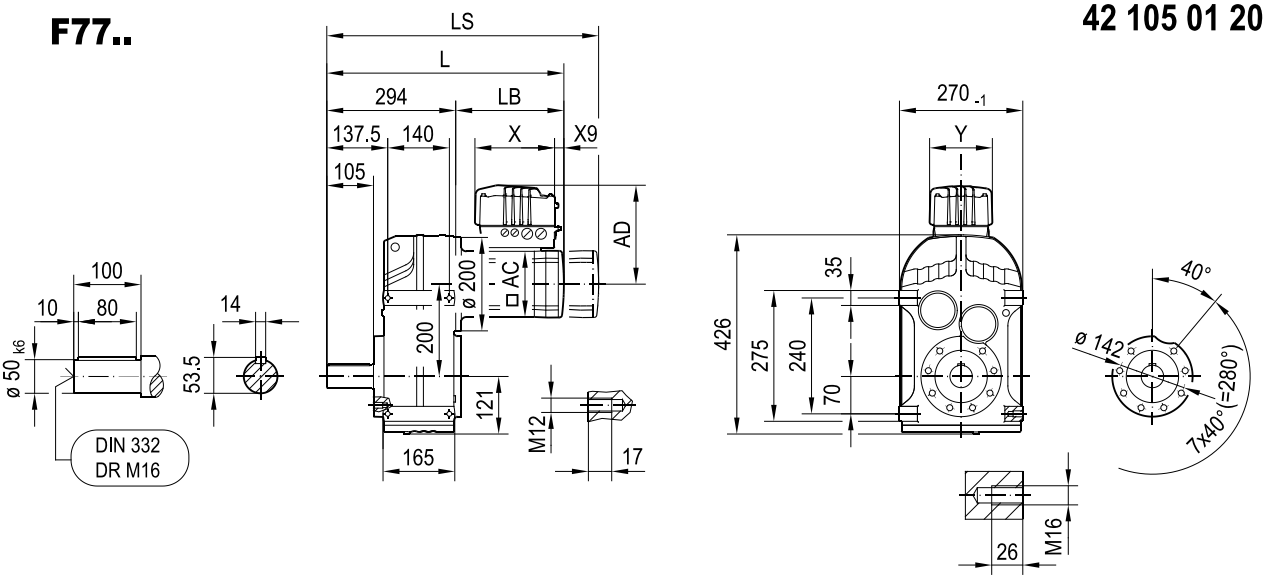


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	443	443	469	605	605			
LS	484	484	510	629	629			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

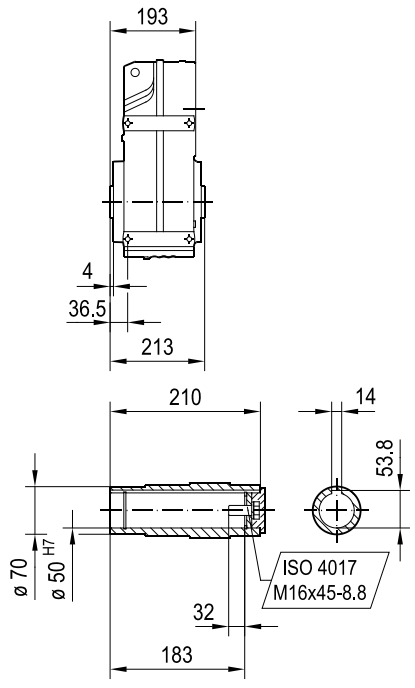
31546617/EN – 04/2026

F77..

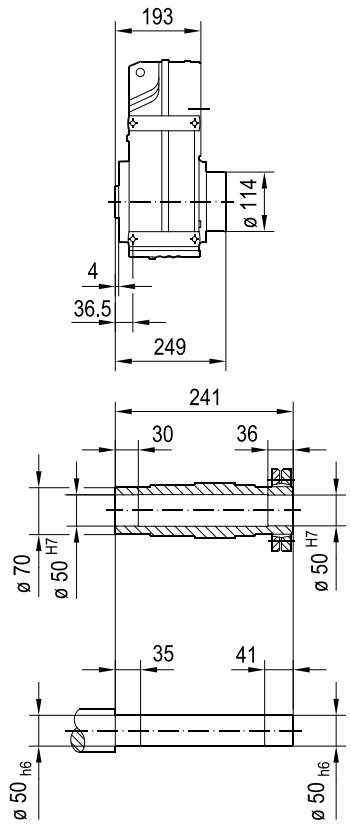
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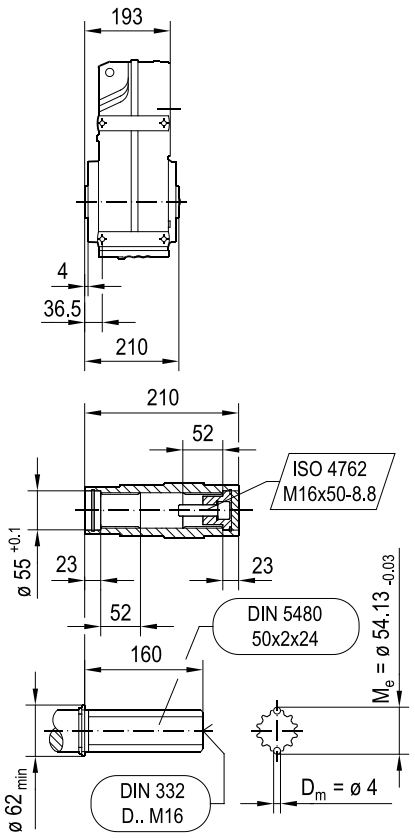
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FH77B..



FV77B..

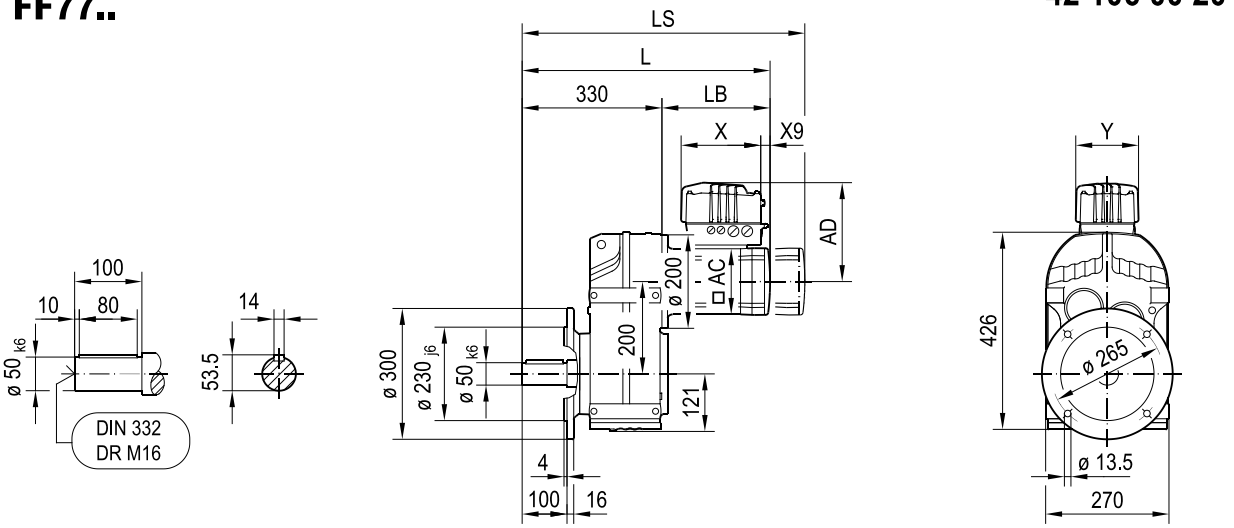


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	548	548	574	707	707			
LS	589	589	615	731	731			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

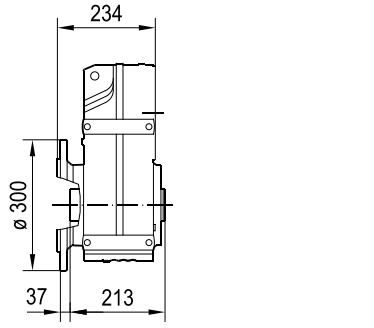
31546617/EN – 04/2026

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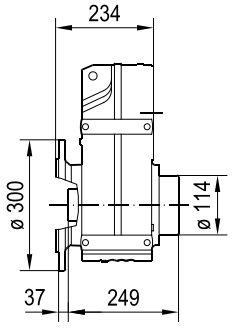
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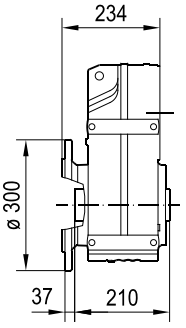
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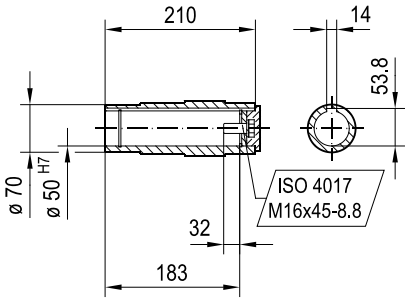


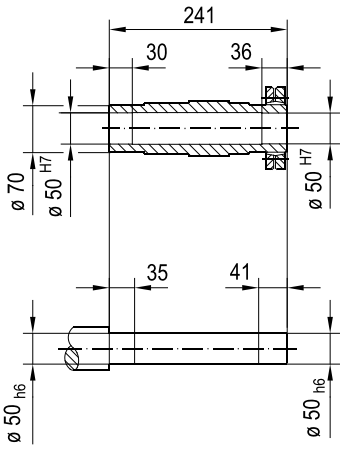
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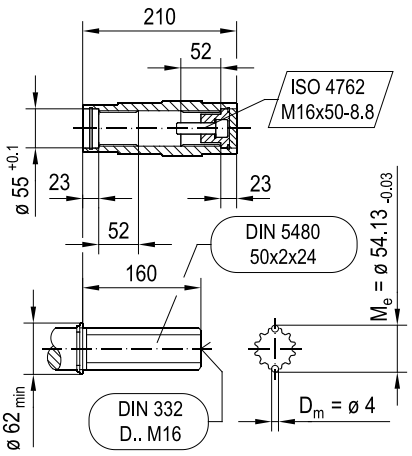


FVF77..







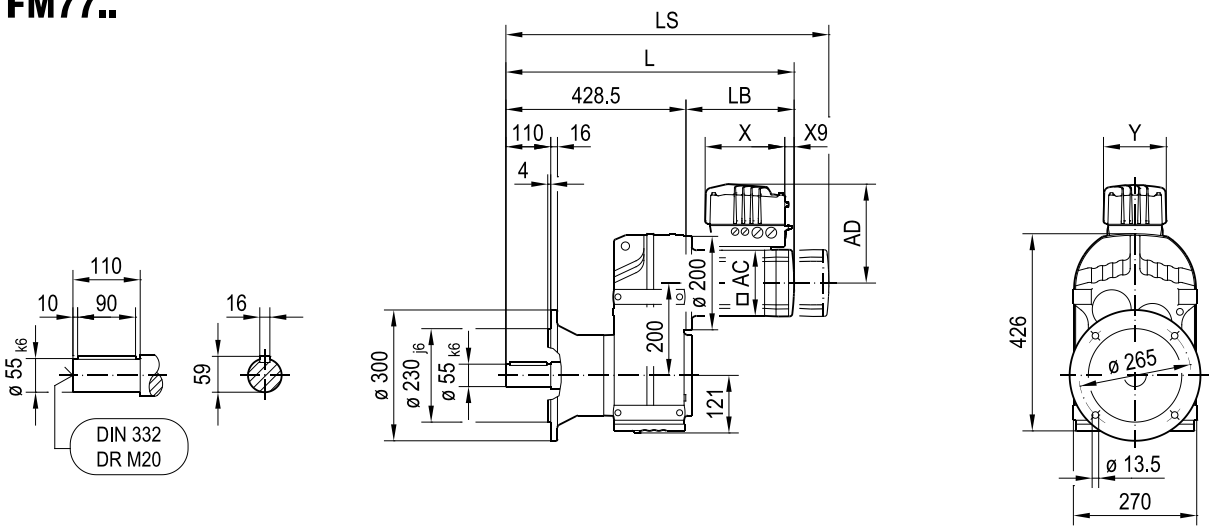


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	584	584	610	743	743			
LS	625	625	651	767	767			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

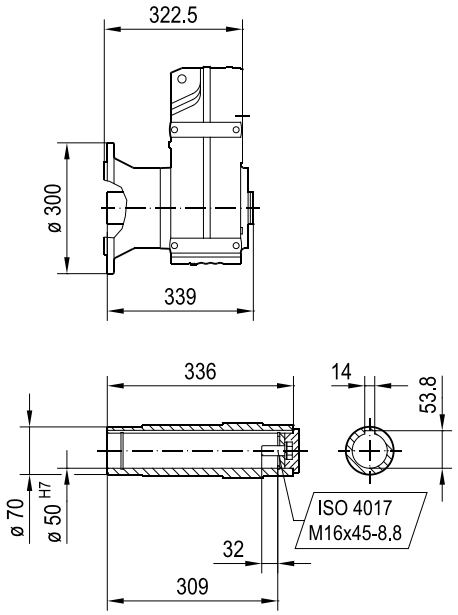
31546617/EN – 04/2026

FM77..

42 107 00 20



FAM77..

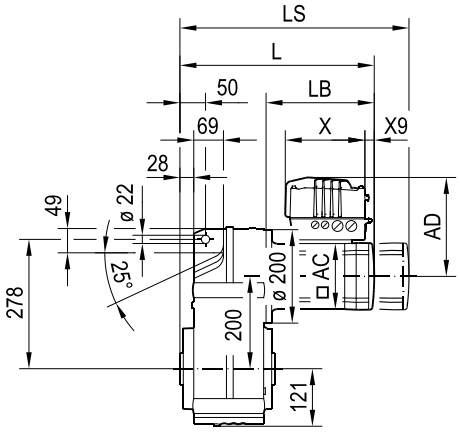


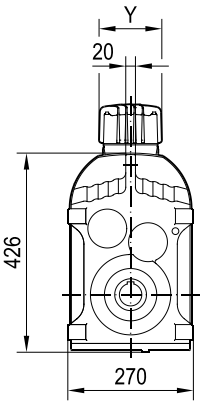
	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	682	682	708	842	842			
LS	723	723	749	866	866			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

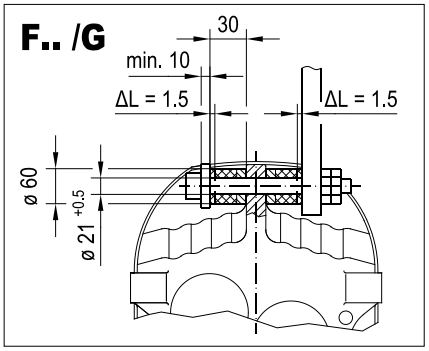
31546617/EN – 04/2026

42 108 01 20

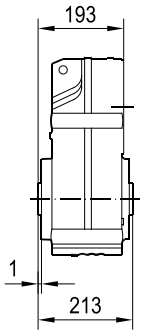
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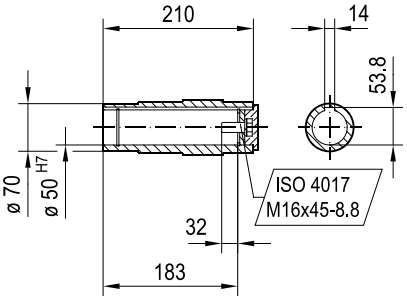




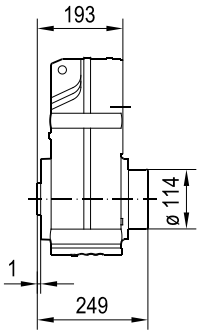


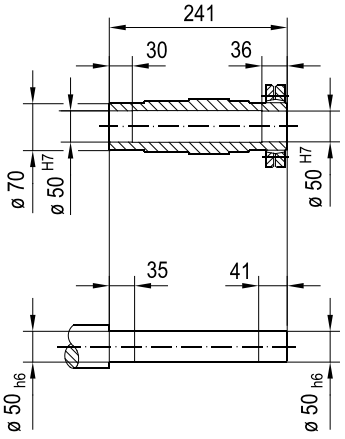
FA77..



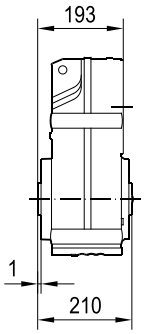


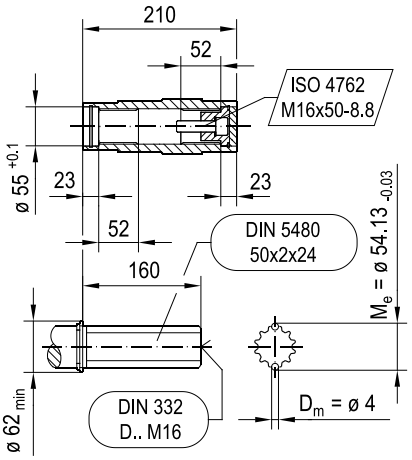
FH77..





FV77..



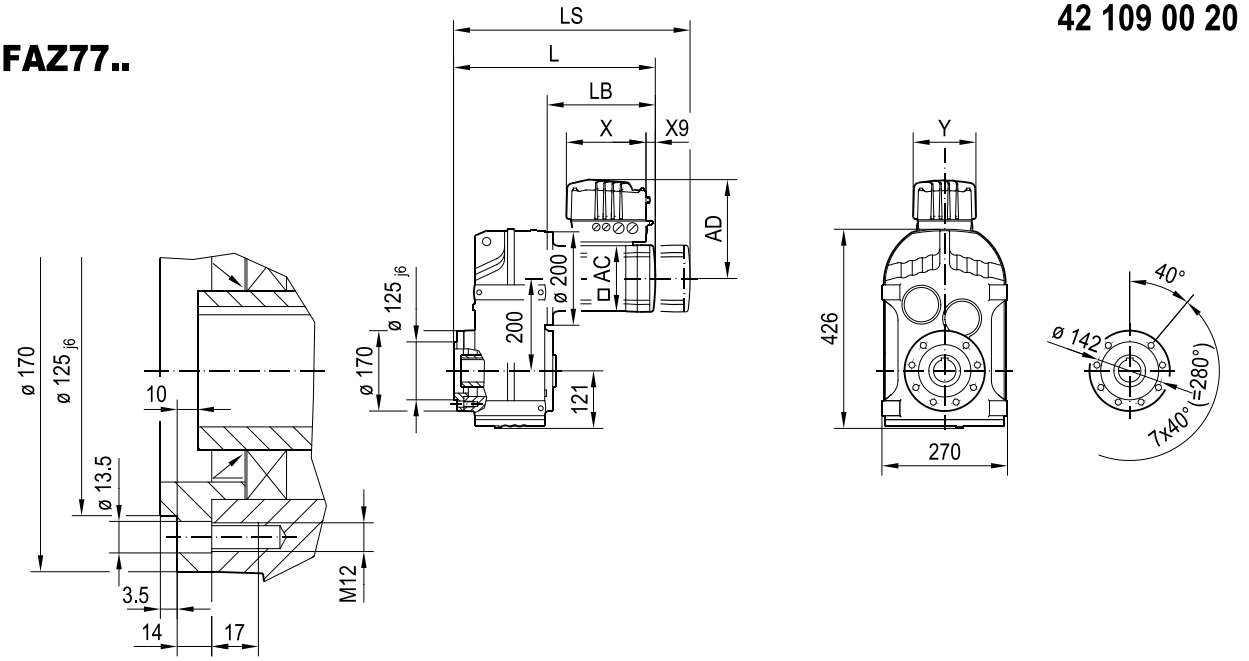


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	447	447	473	606	606			
LS	488	488	514	630	630			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

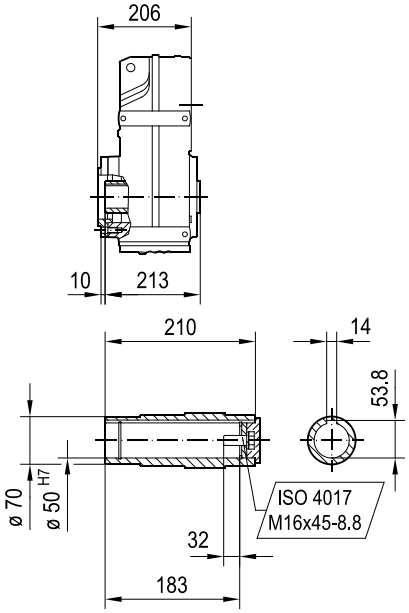
31546617/EN – 04/2026

42 109 00 20

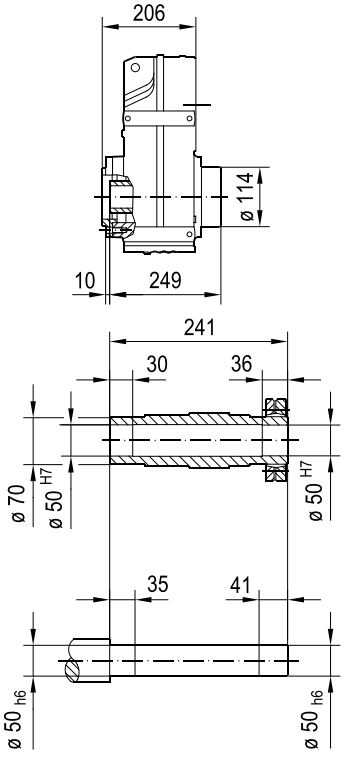
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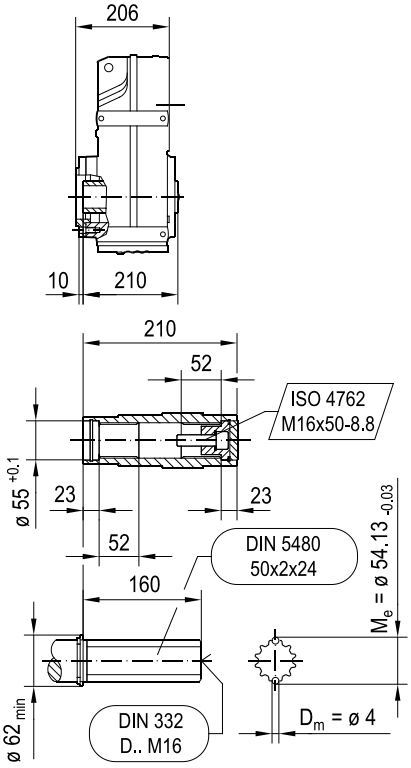
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FHZ77..



FVZ77..

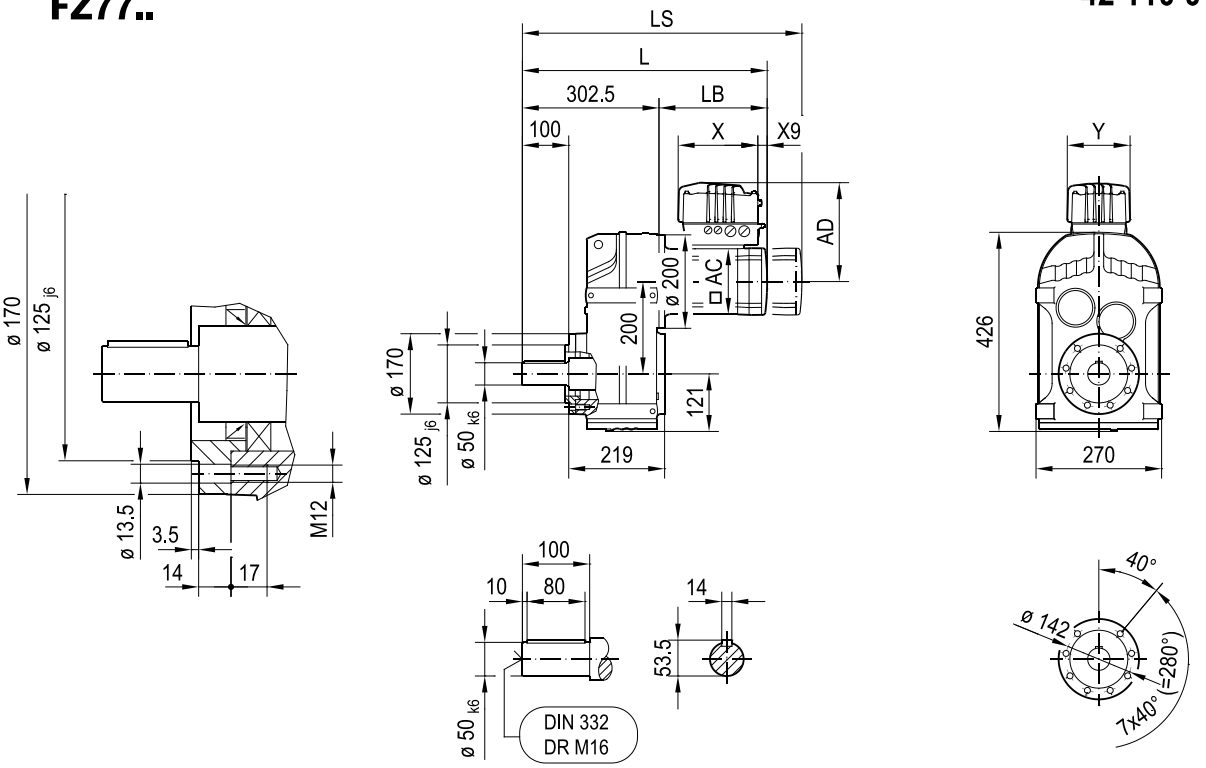


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	460	460	486	619	619			
LS	501	501	527	643	643			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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FZ77..

42 110 01 20

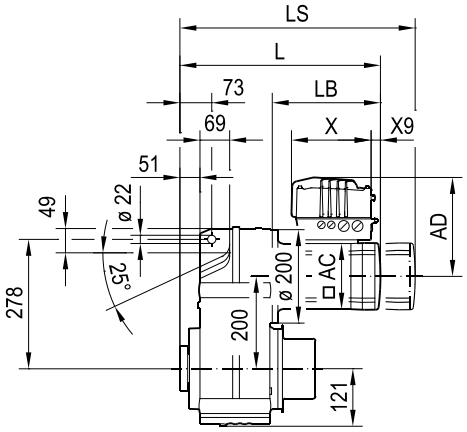


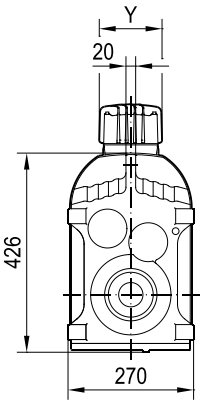
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	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	556	556	582	716	716			
LS	597	597	623	740	740			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

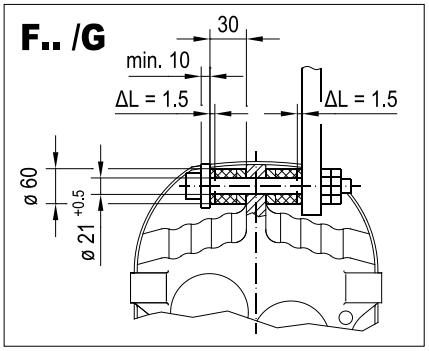
31546617/EN – 04/2026

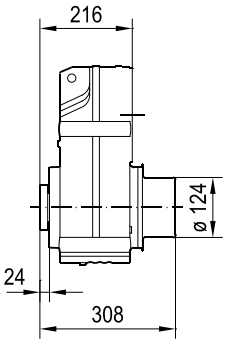
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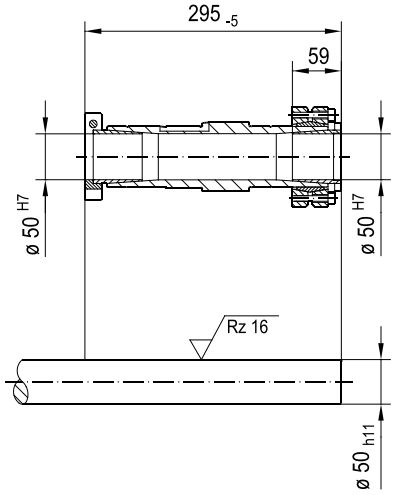
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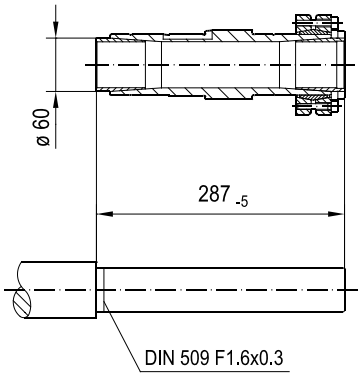










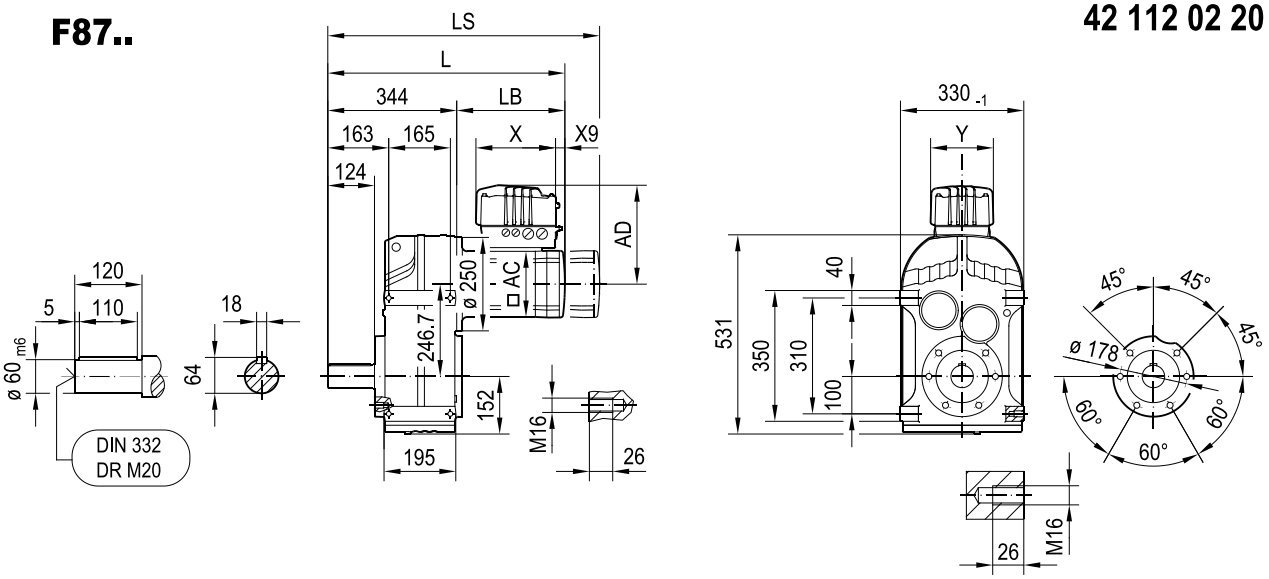


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	470	470	496	629	629			
LS	511	511	537	653	653			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

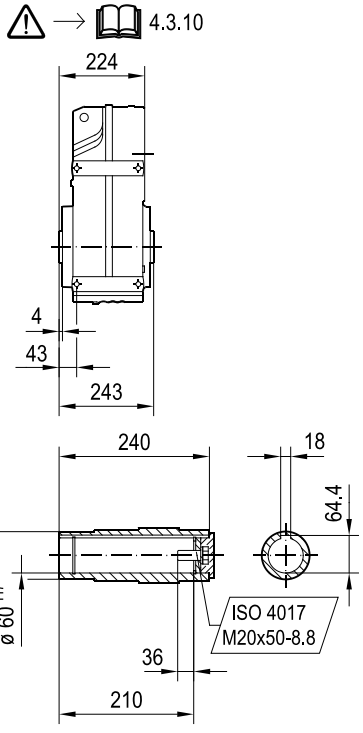
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F87..

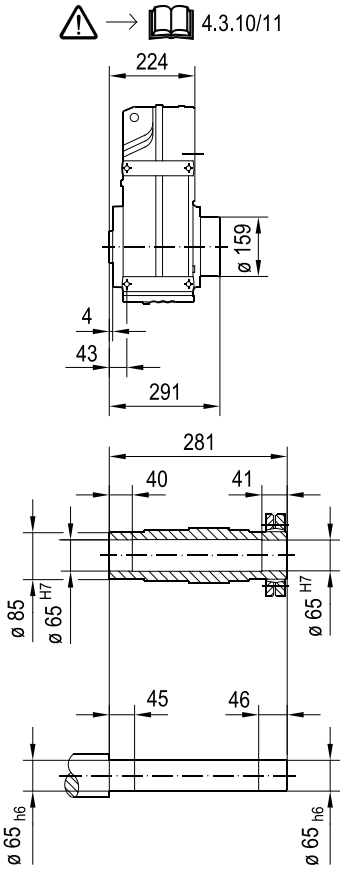
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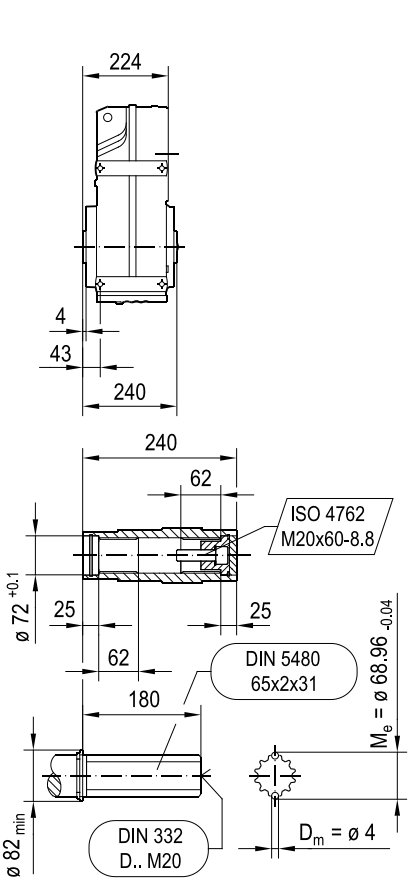
FA87B..



FH87B..



FV87B..

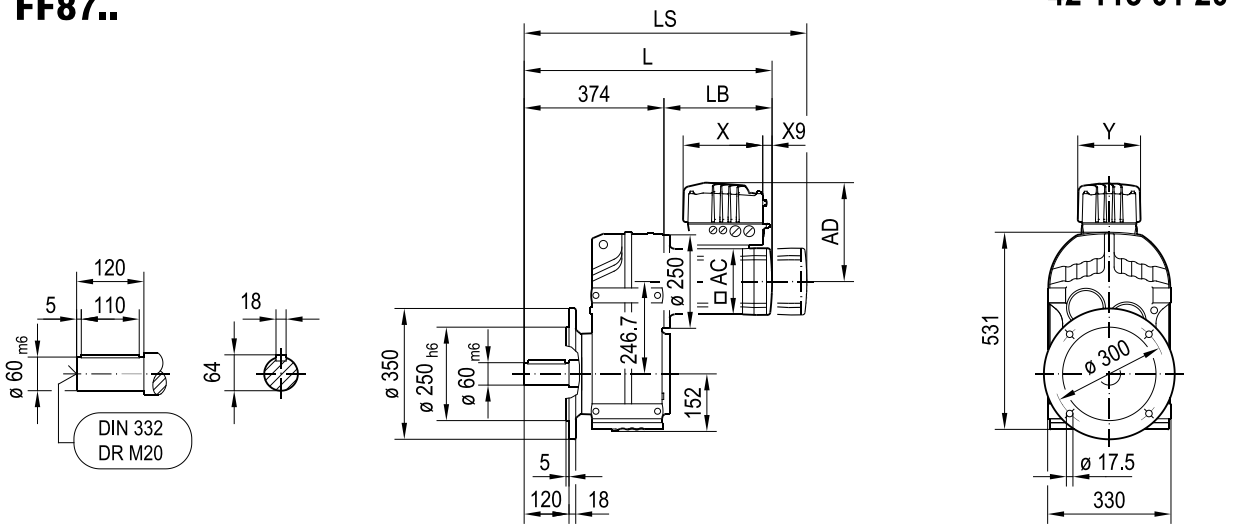


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	593	593	619	752	752			
LS	634	634	660	776	776			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

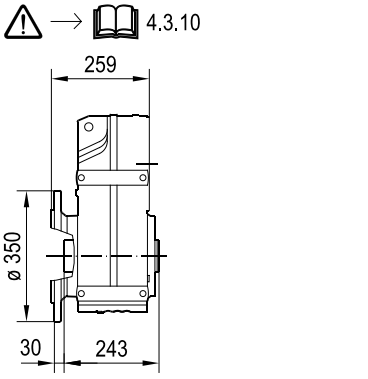
31546617/EN – 04/2026

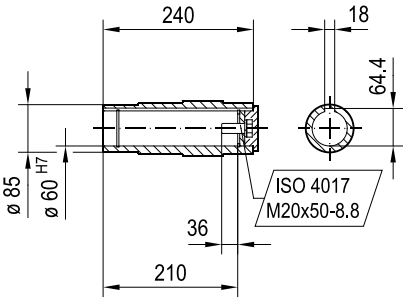
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42 113 01 20

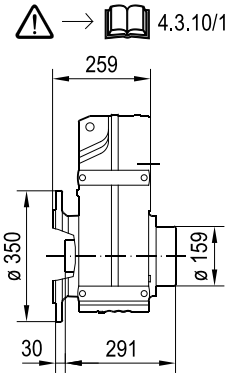


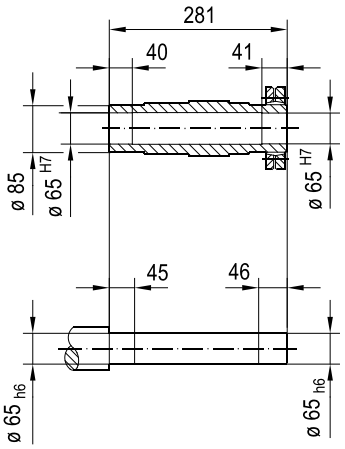
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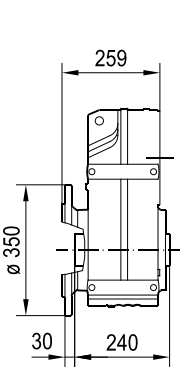


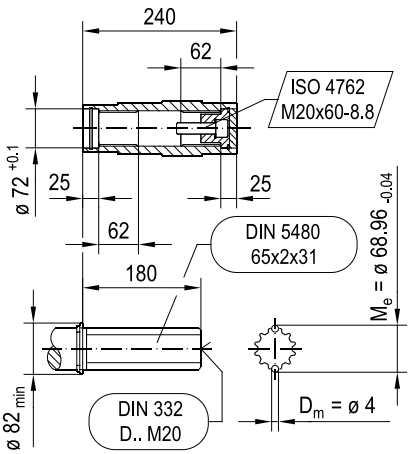
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FVF87..



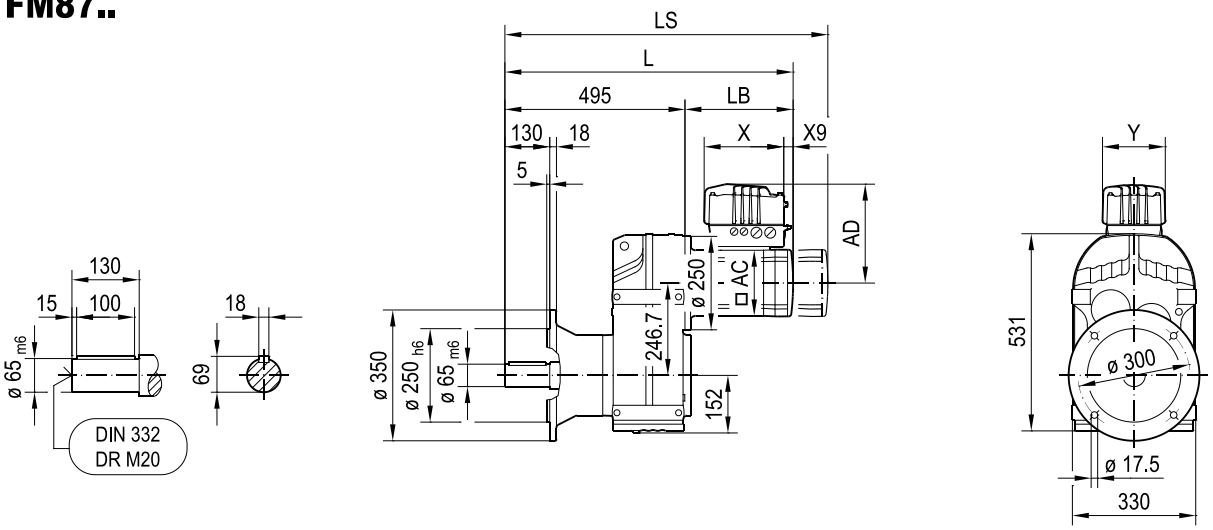


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	623	623	649	782	782			
LS	664	664	690	806	806			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

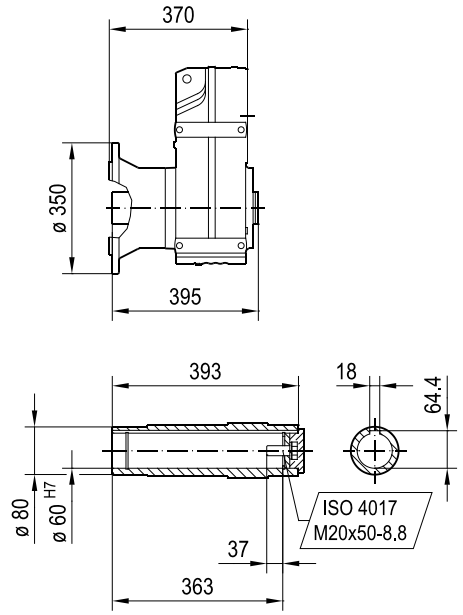
31546617/EN – 04/2026

FM87..

42 114 00 20



FAM87..

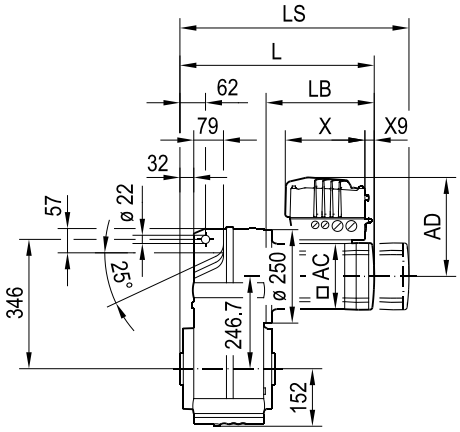


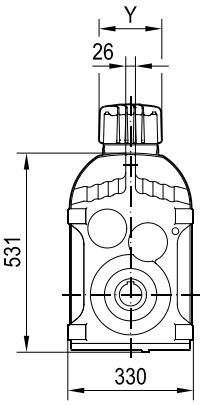
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	744	744	770	903	903			
LS	785	785	811	927	927			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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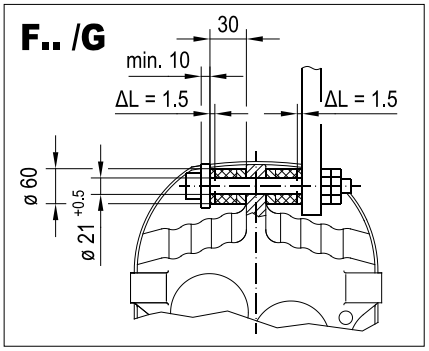
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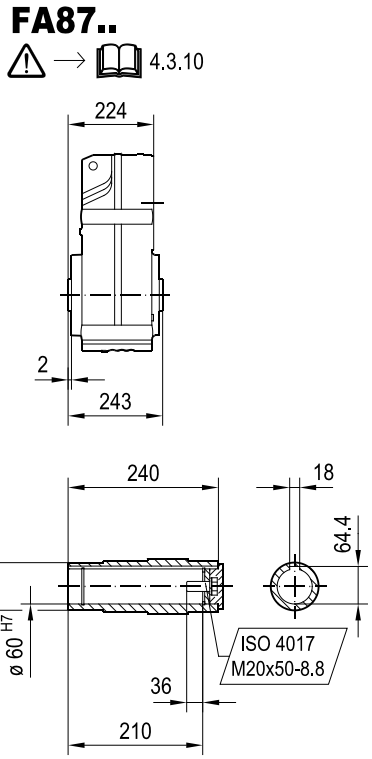




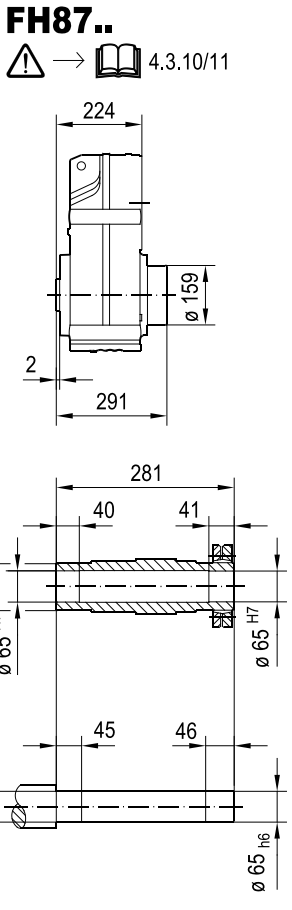
F.. /G



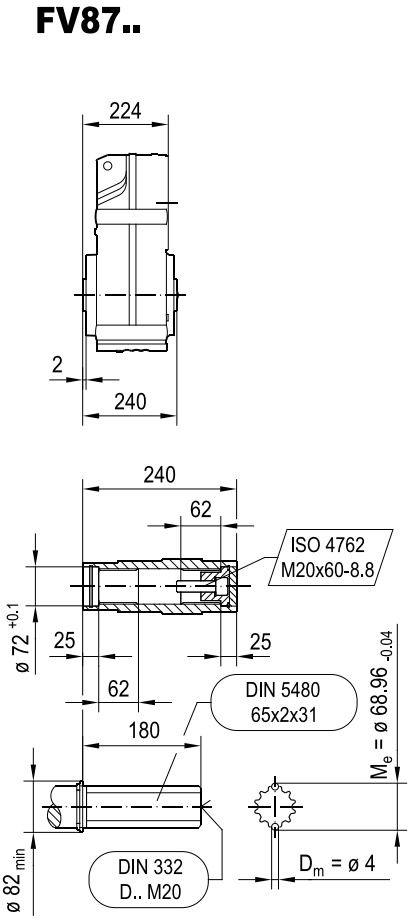
FA87..



FH87..



FV87..

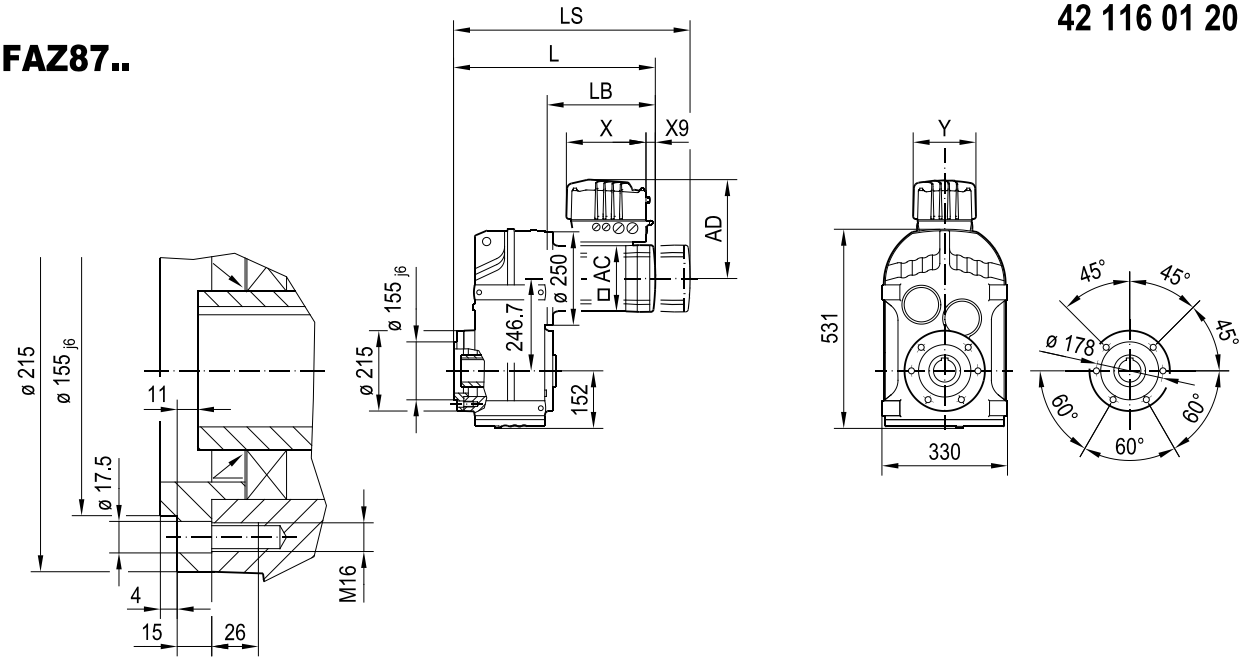


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	473	473	499	632	632			
LS	514	514	540	656	656			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

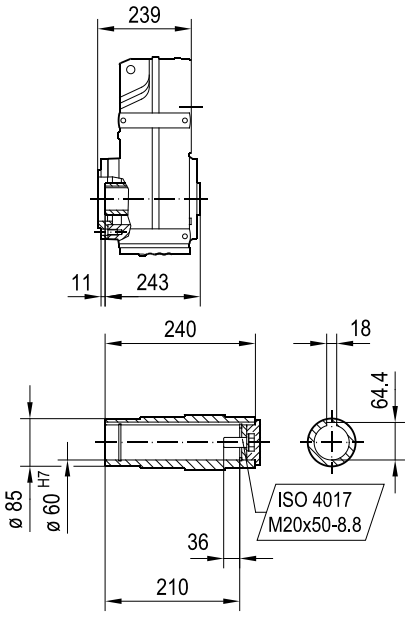
42 116 01 20

FAZ87..



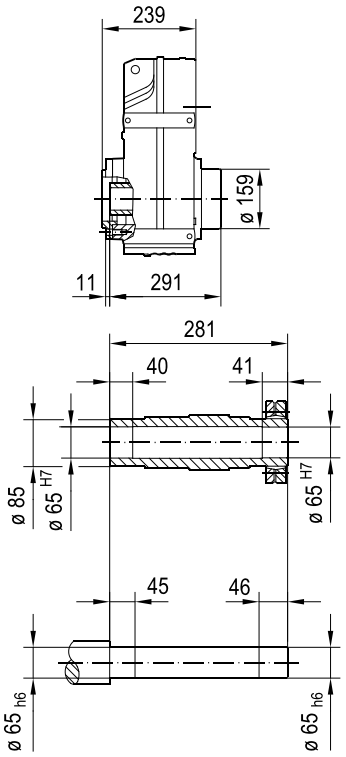
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⚠ → 📖 4.3.10

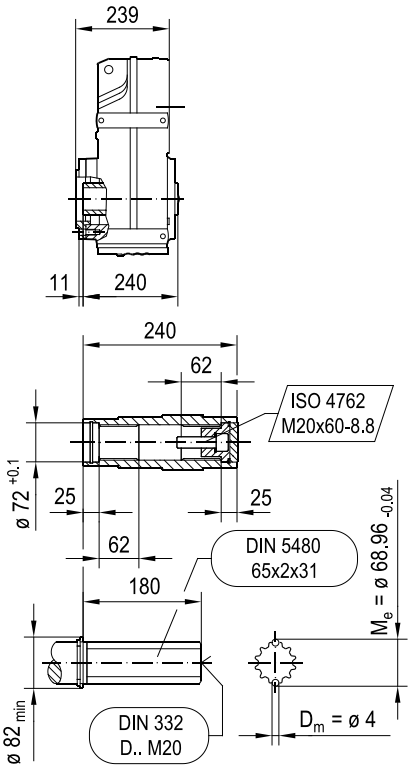


FHZ87..

⚠ → 📖 4.3.10/11



FVZ87..

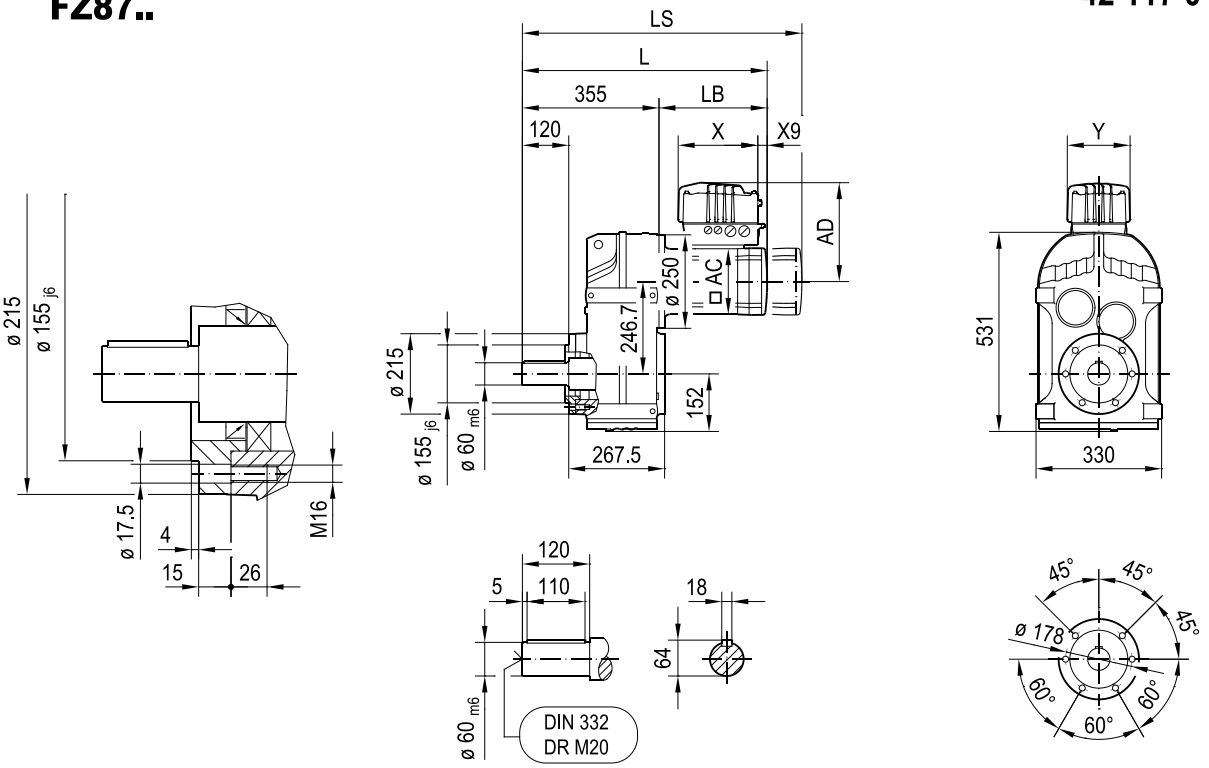


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	488	488	514	647	647			
LS	529	529	555	671	671			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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FZ87..

42 117 01 20

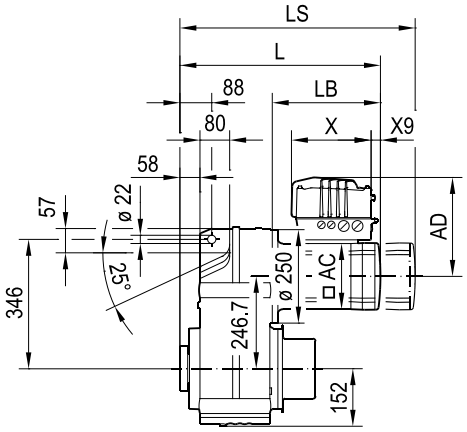


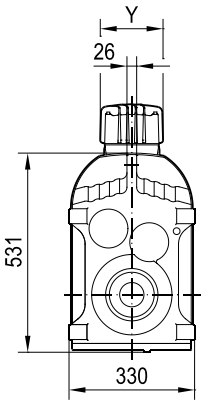
	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	604	604	630	763	763			
LS	645	645	671	787	787			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

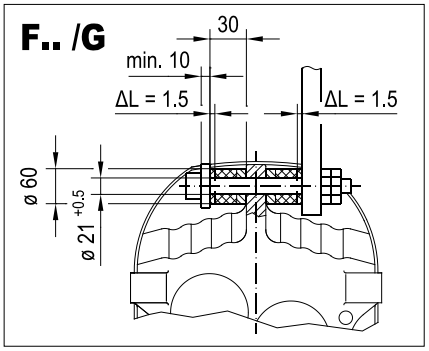
31546617/EN – 04/2026

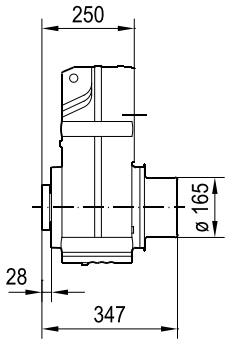
FT87..

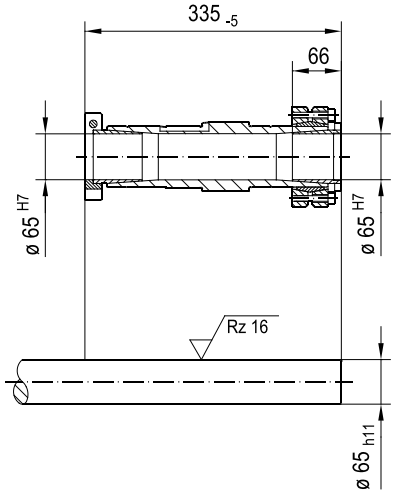
42 118 01 20

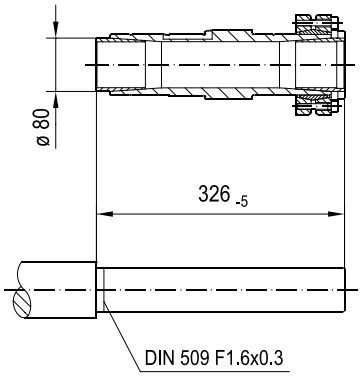










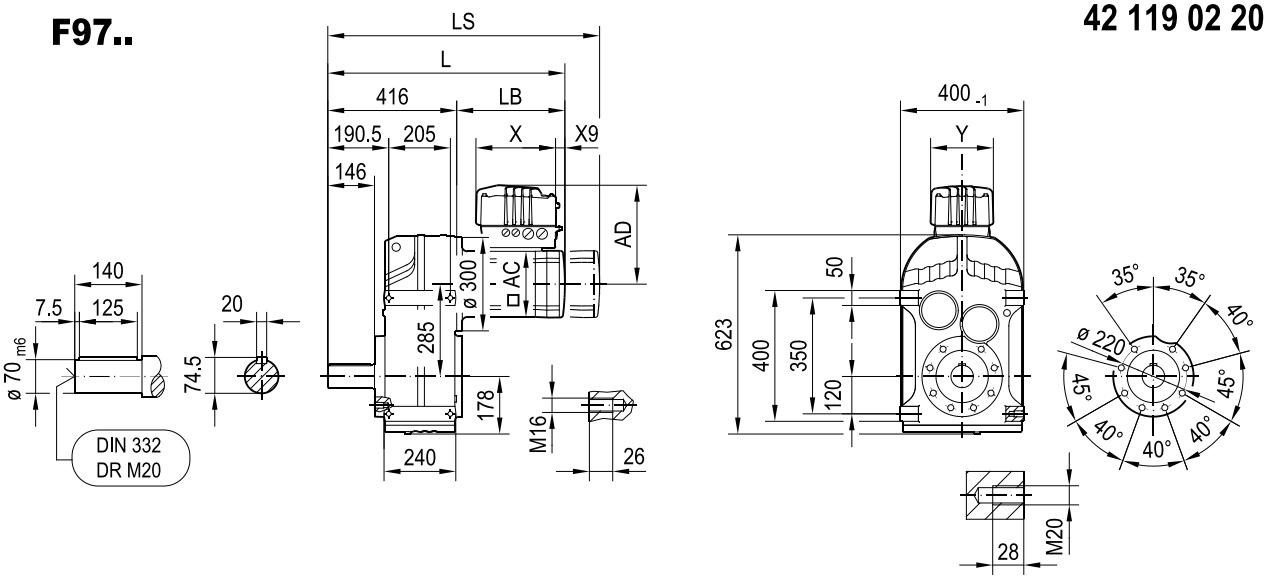


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	499	499	525	658	658			
LS	540	540	566	682	682			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

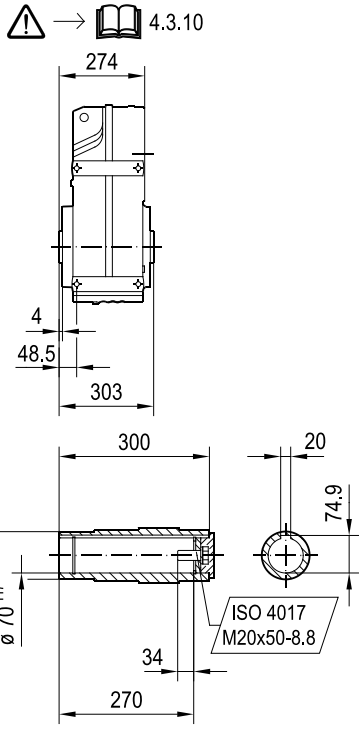
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F97..

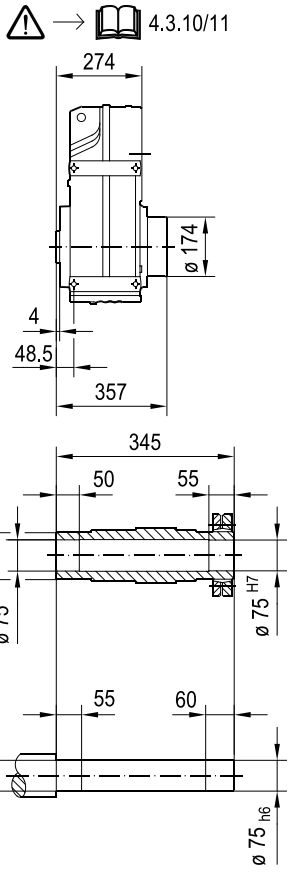
42 119 02 20



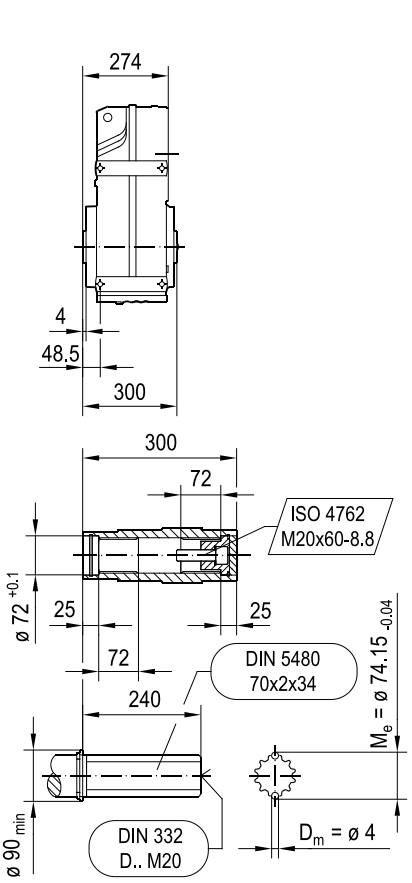
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FH97B..



FV97B..

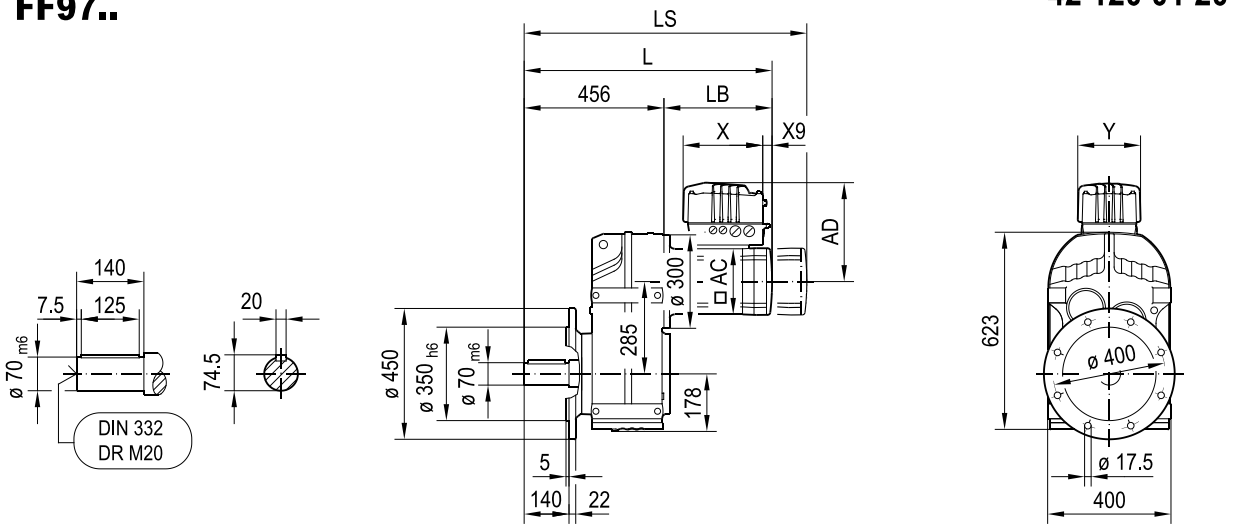


	CM3C/CM3P../D							
	80M_0055	100LM_0070	100LM_0095					
AC	140	163	163					
AD	249	289	289					
L	686	819	819					
LS	727	843	843					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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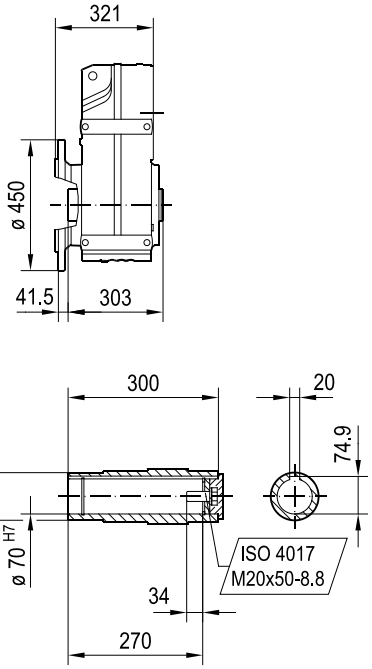
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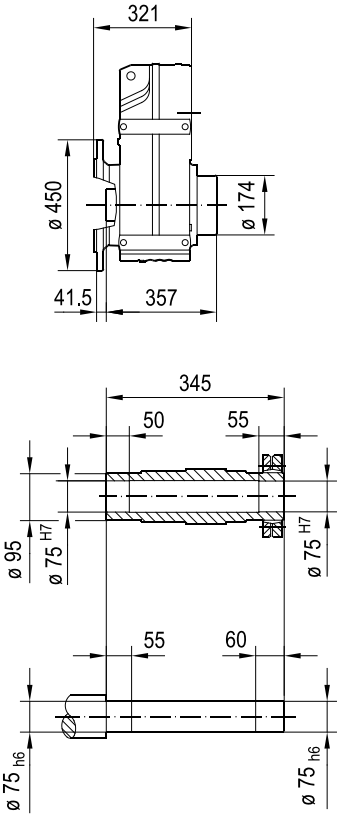
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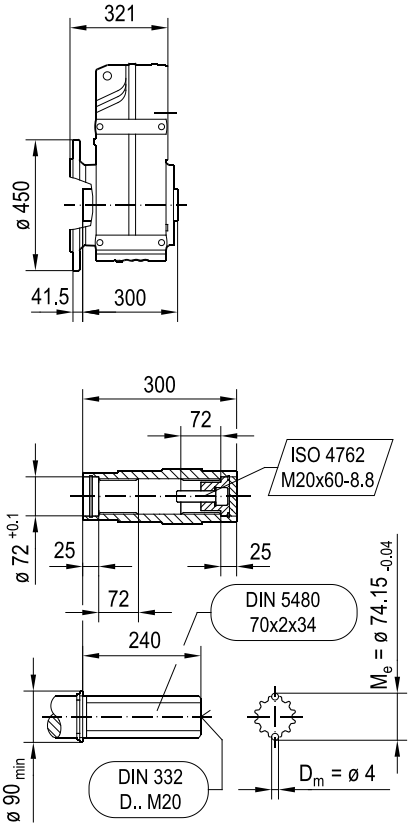


FHF97..





FVF97..

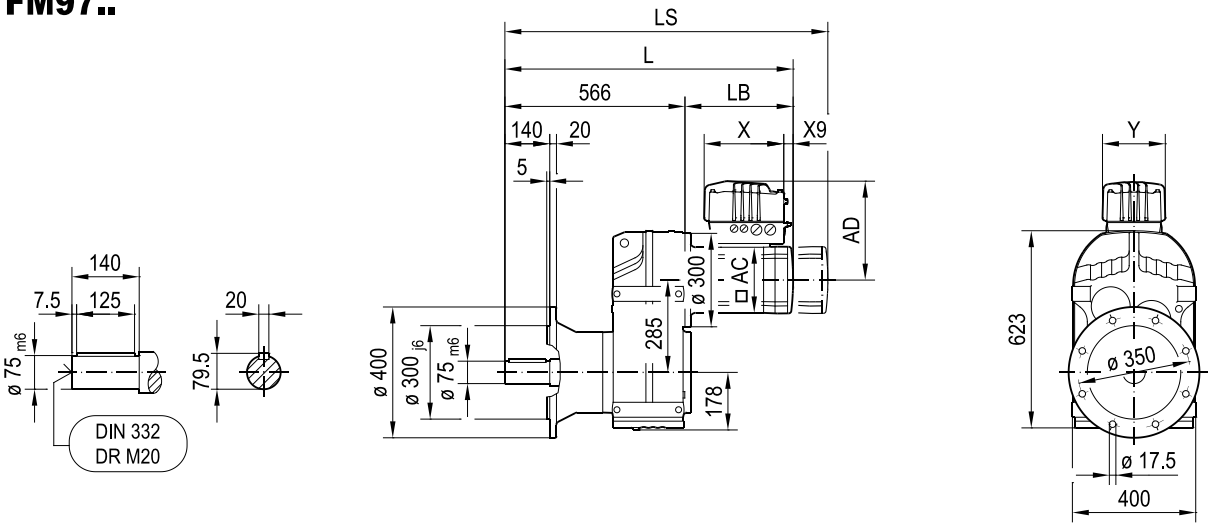


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	80M_0055	100LM_0070	100LM_0095					
AC	140	163	163					
AD	249	289	289					
L	726	859	859					
LS	767	883	883					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

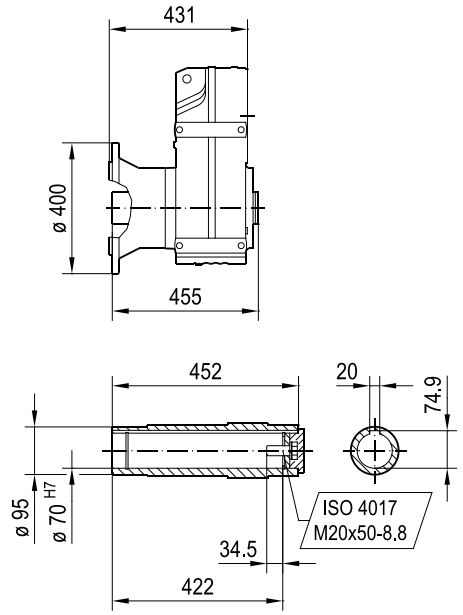
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FM97..

42 121 00 20



FAM97..

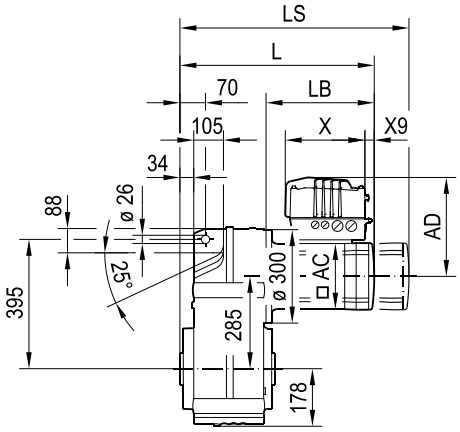


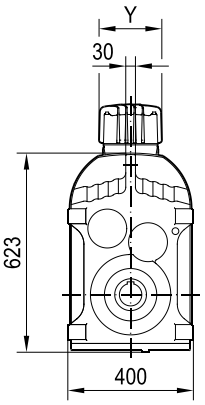
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AC	140	163	163					
AD	249	289	289					
L	836	969	969					
LS	877	993	993					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

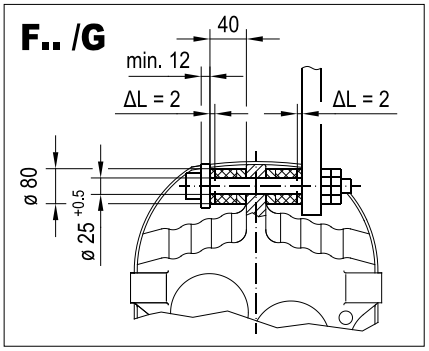
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42 122 02 20

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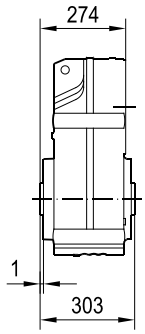


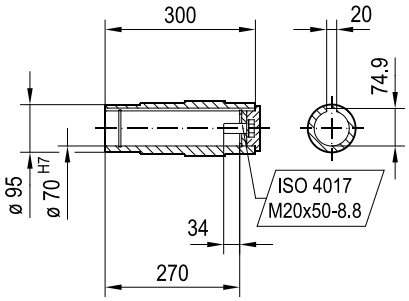




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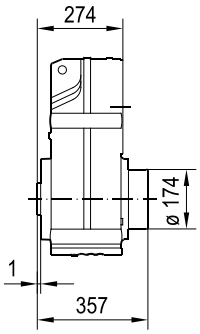
⚠ → 📖 4.3.10

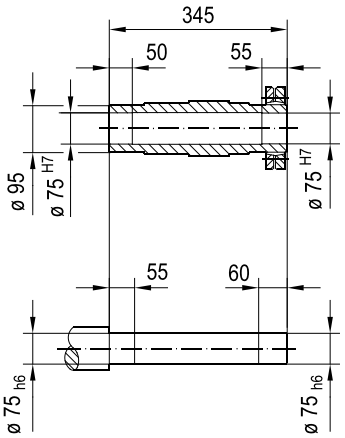




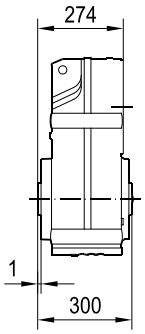
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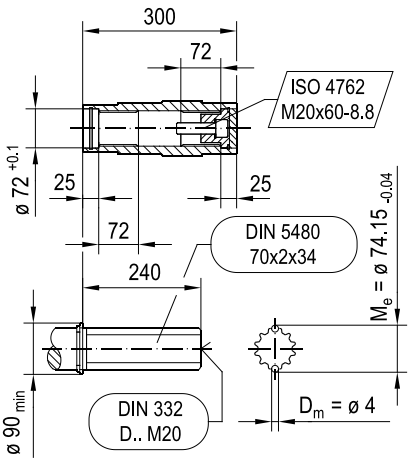
⚠ → 📖 4.3.10/11





FV97..



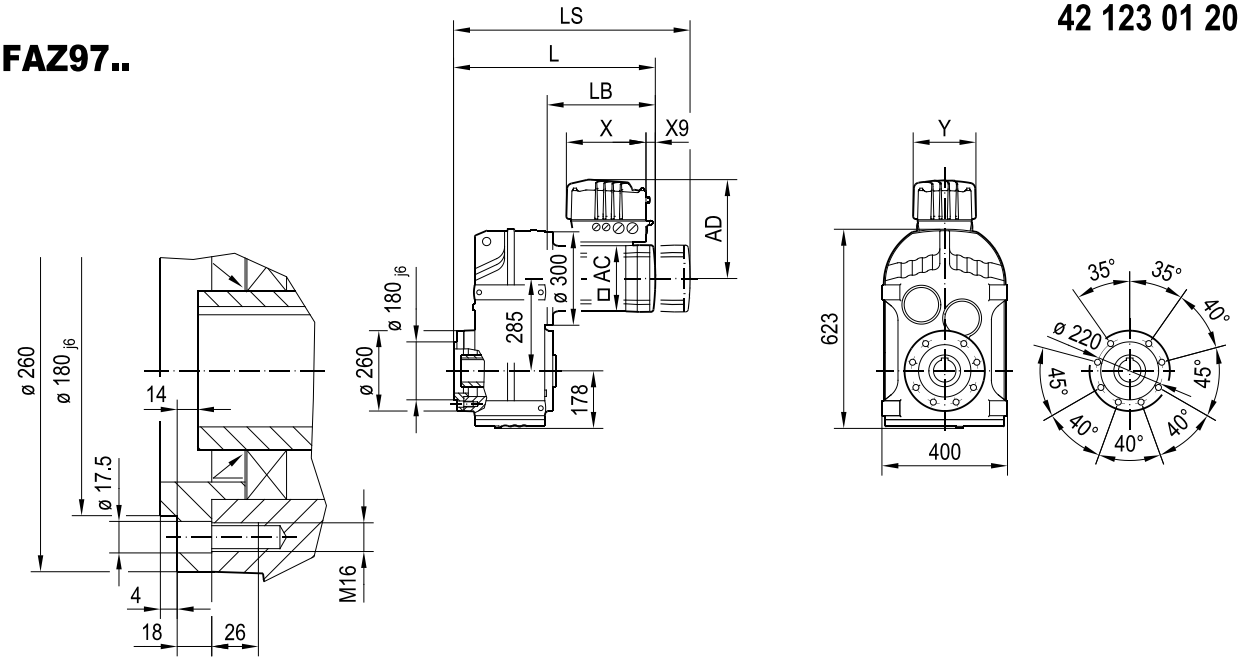


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AC	140	163	163					
AD	249	289	289					
L	544	677	677					
LS	585	701	701					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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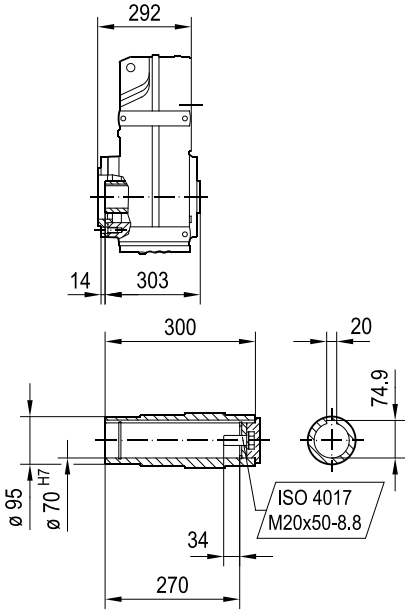
42 123 01 20

FAZ97..



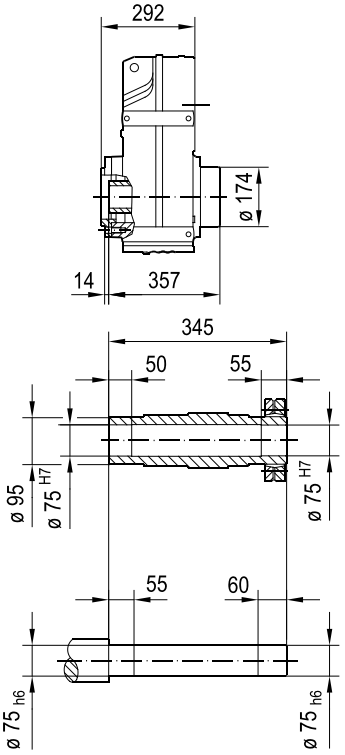
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⚠ → 📖 4.3.10

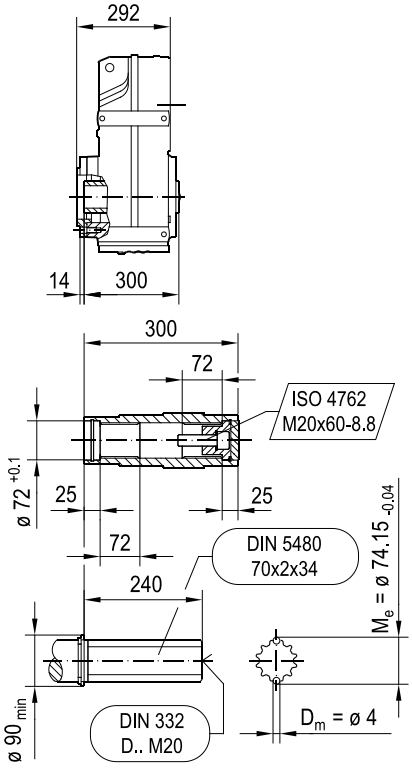


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⚠ → 📖 4.3.10/11



FVZ97..

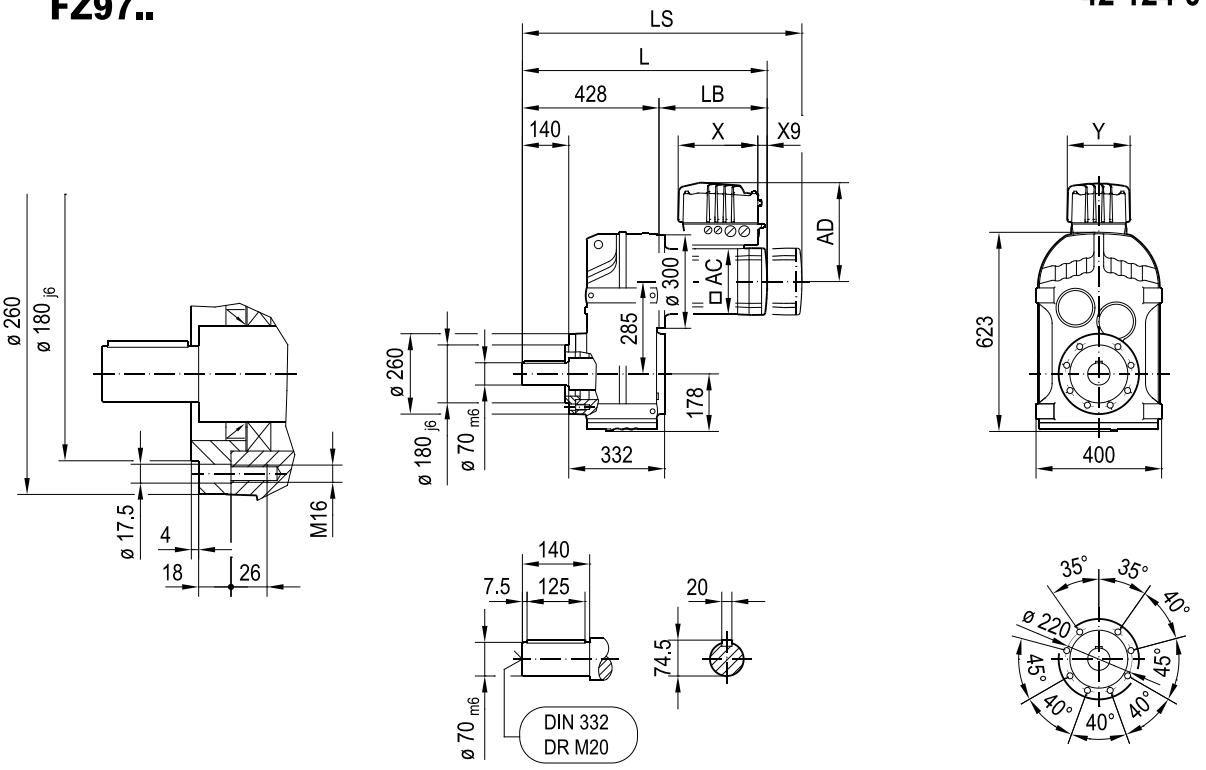


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AC	140	163	163					
AD	249	289	289					
L	562	695	695					
LS	603	719	719					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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FZ97..

42 124 01 20

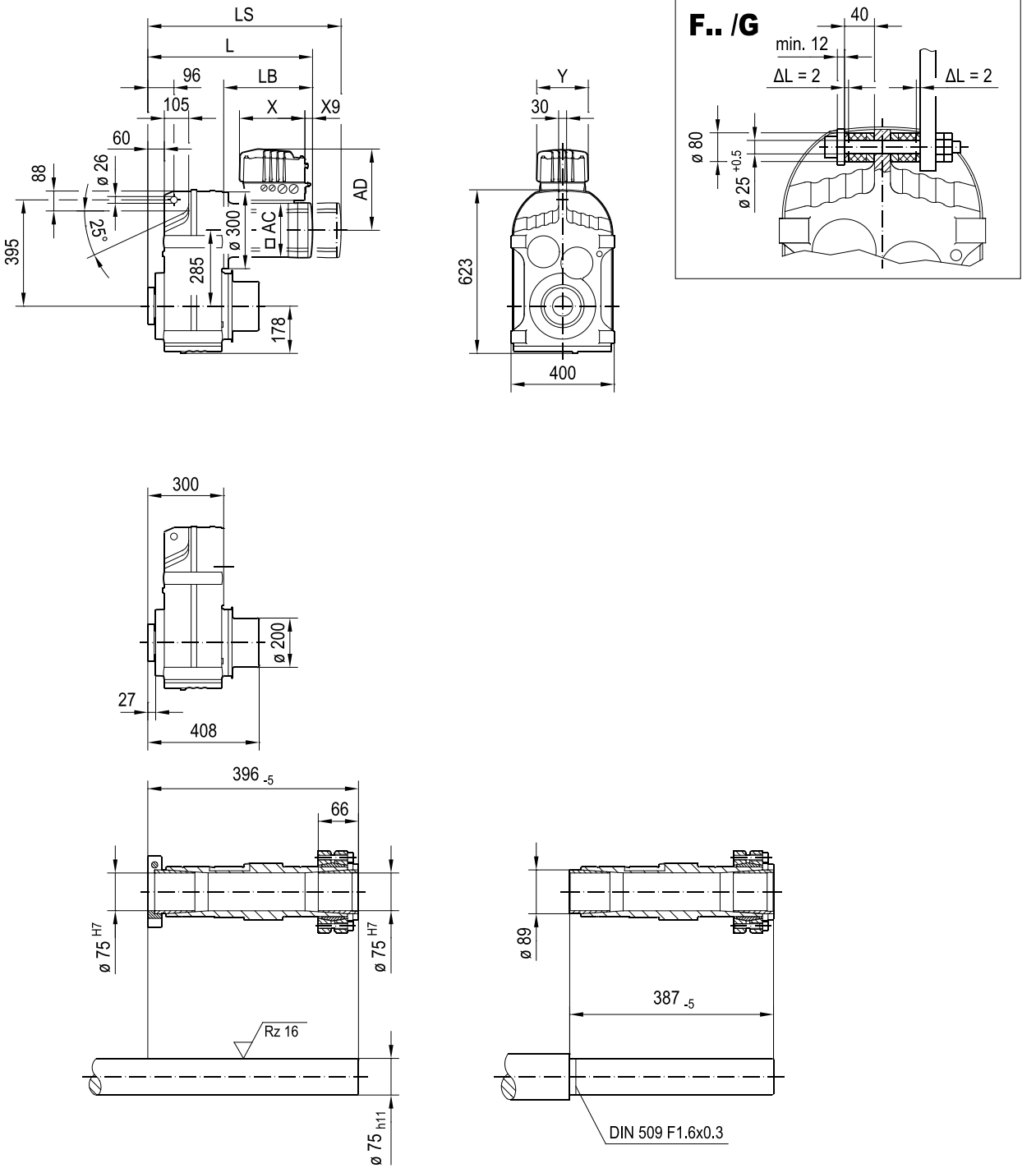


	CM3C/CM3P../D							
	80M_0055	100LM_0070	100LM_0095					
AC	140	163	163					
AD	249	289	289					
L	698	831	831					
LS	739	855	855					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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FT97..

42 125 01 20

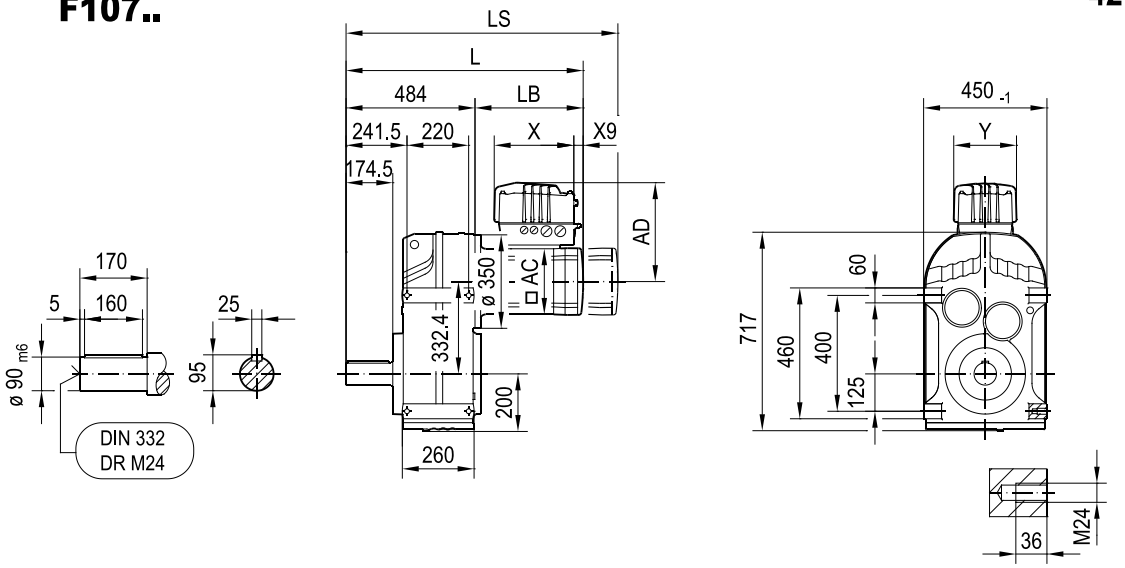


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	80M_0055	**100LM_0070**	**100LM_0095**					
AC	140	163	163					
AD	249	289	289					
L	570	703	703					
LS	611	727	727					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

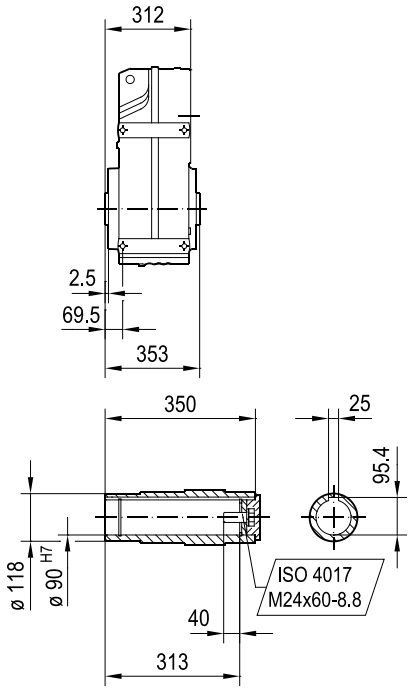
31546617/EN – 04/2026

42 126 01 20

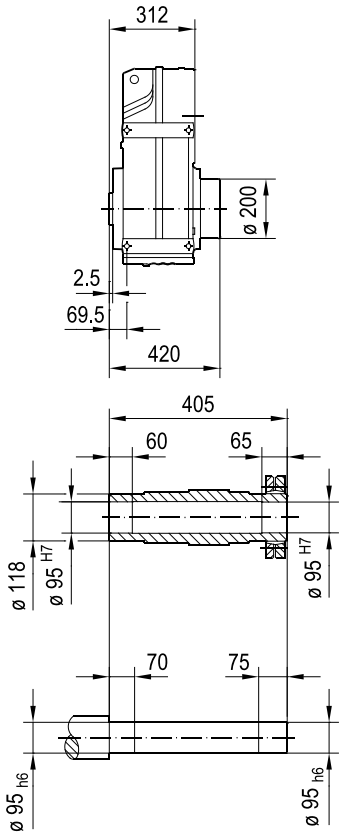
F107..



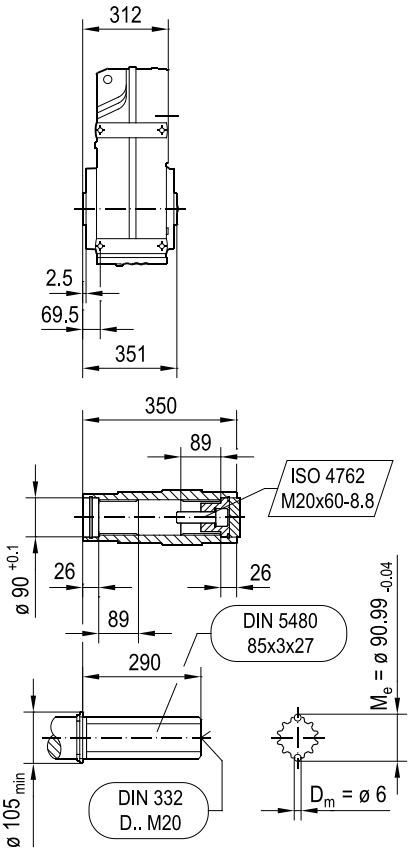
FA107B..



FH107B..



FV107B..

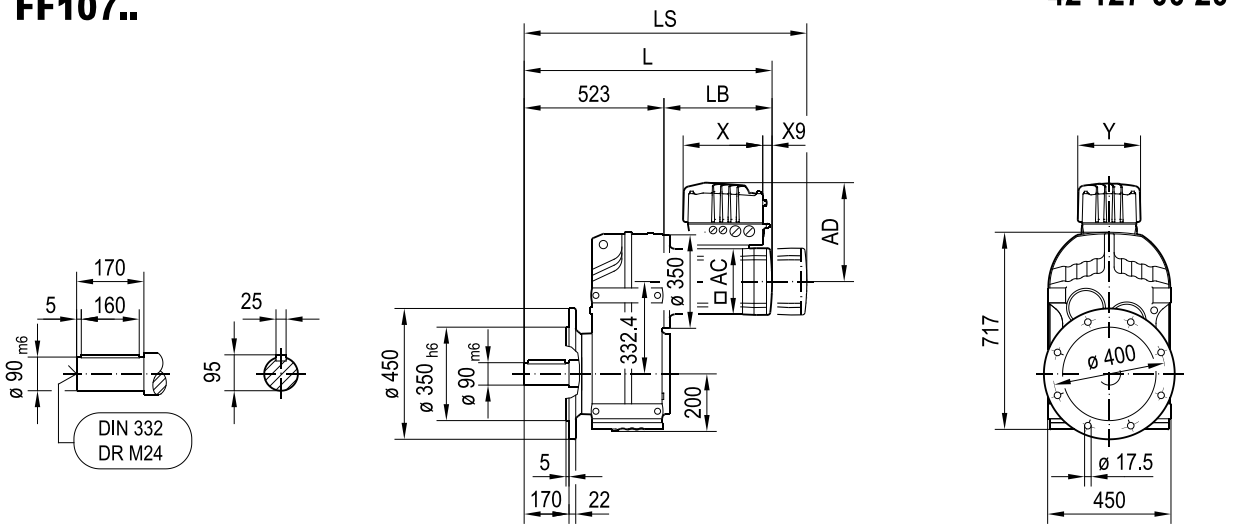


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AD	289	289						
L	881	881						
LS	905	905						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

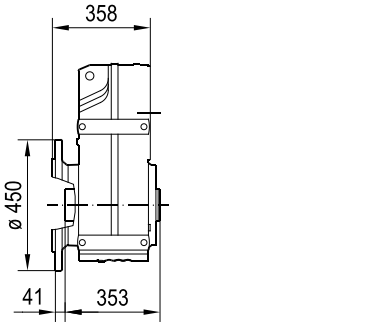
31546617/EN – 04/2026

FF107..

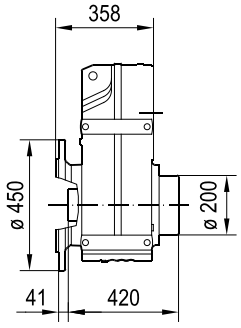
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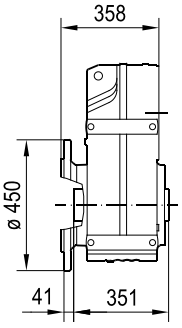
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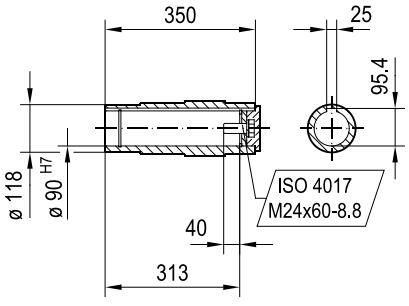


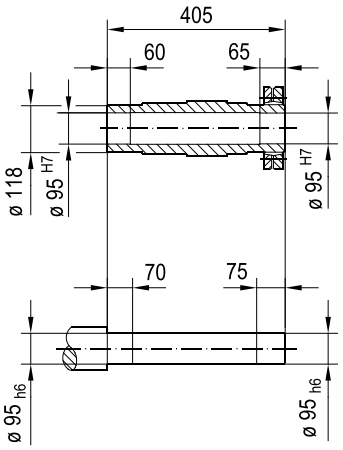
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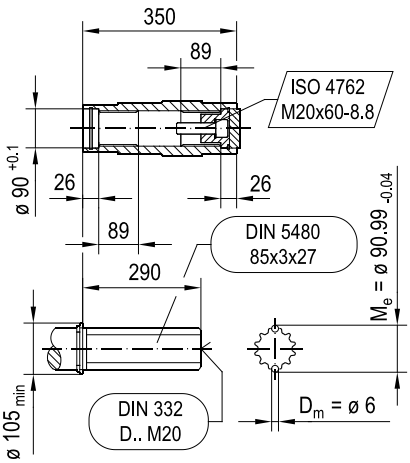


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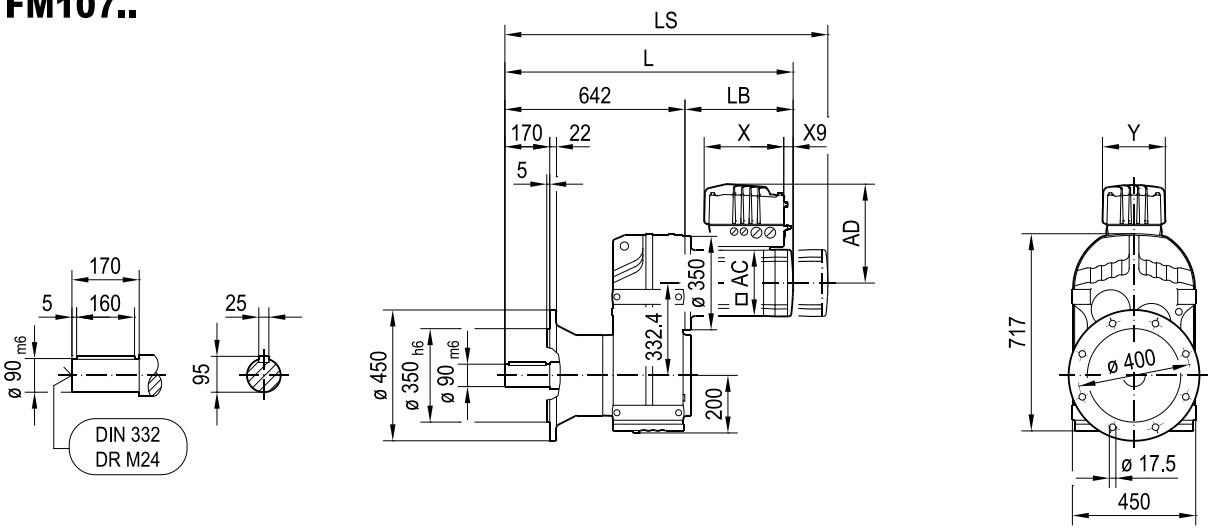


	CM3C/CM3P../D							
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AC	163	163						
AD	289	289						
L	920	920						
LS	944	944						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

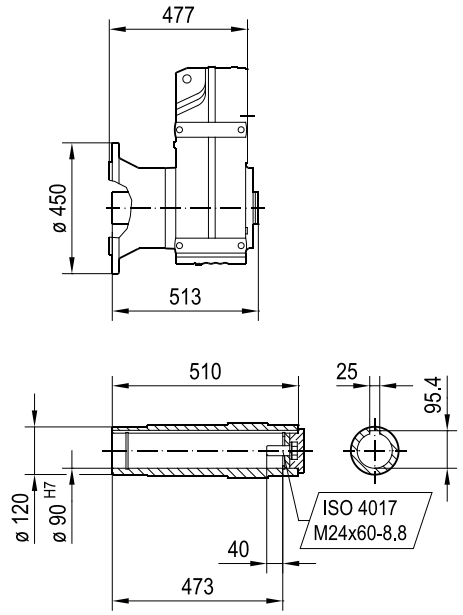
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FM107..

42 128 00 20



FAM107..

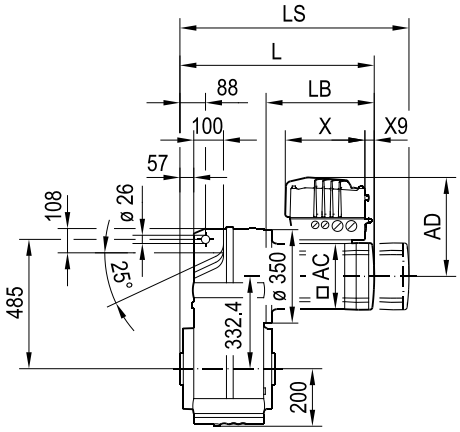


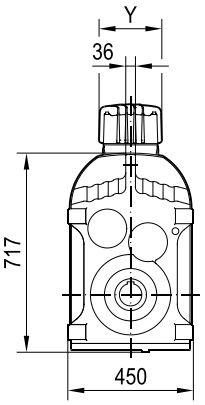
	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	1039	1039						
LS	1063	1063						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

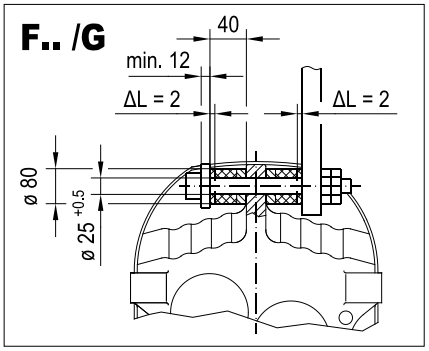
31546617/EN – 04/2026

FA107..

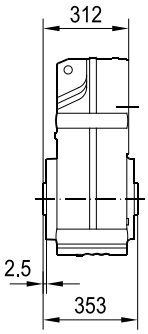
42 129 01 20

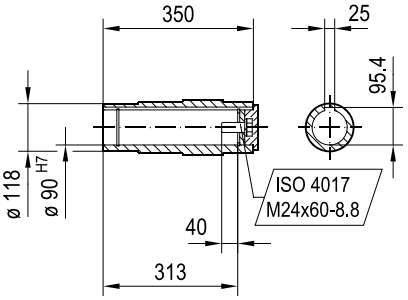




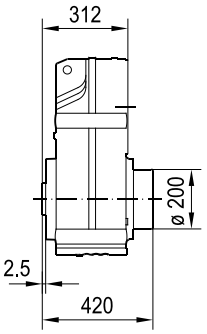


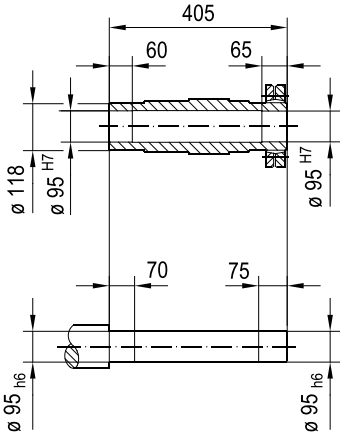
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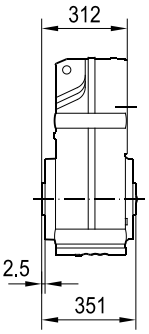


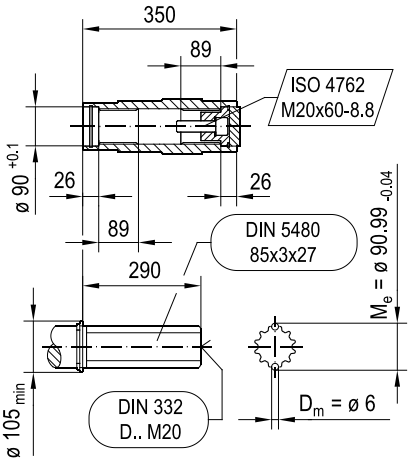
FH107..





FV107..



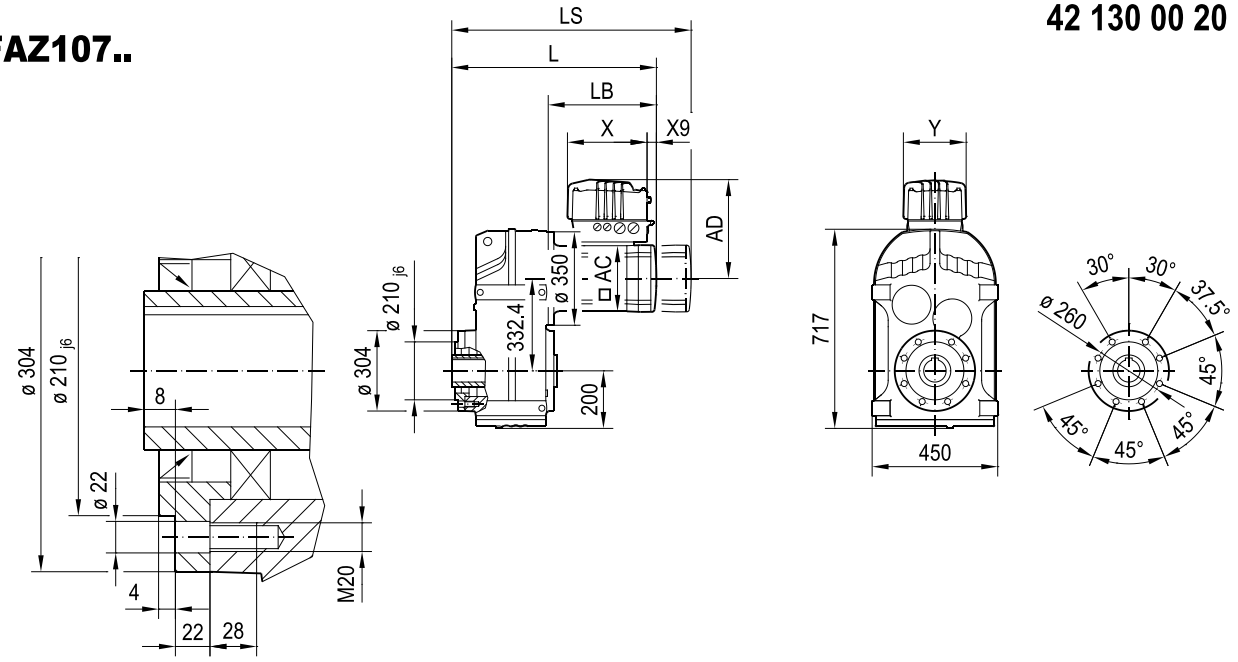


	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	709	709						
LS	733	733						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

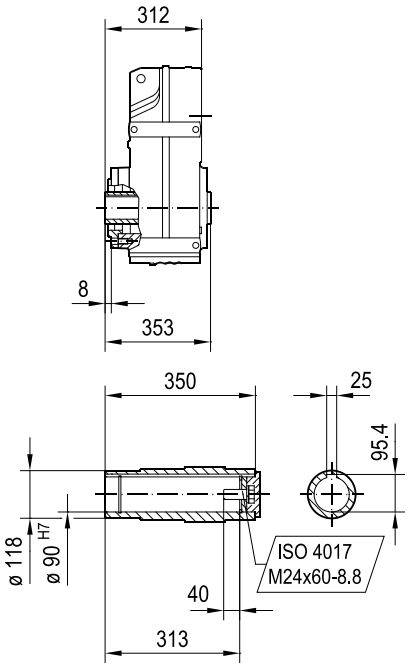
31546617/EN – 04/2026

42 130 00 20

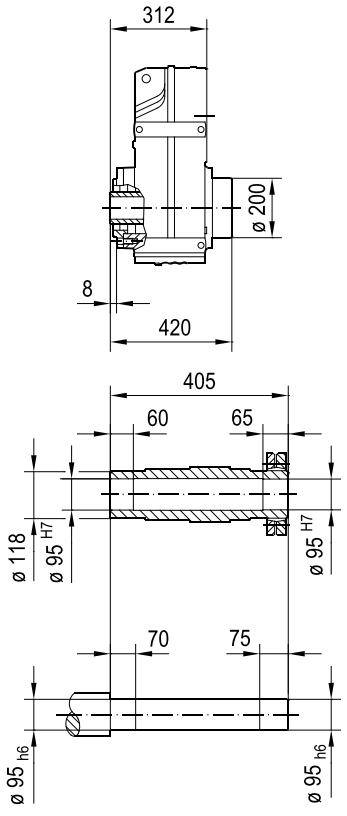
FAZ107..



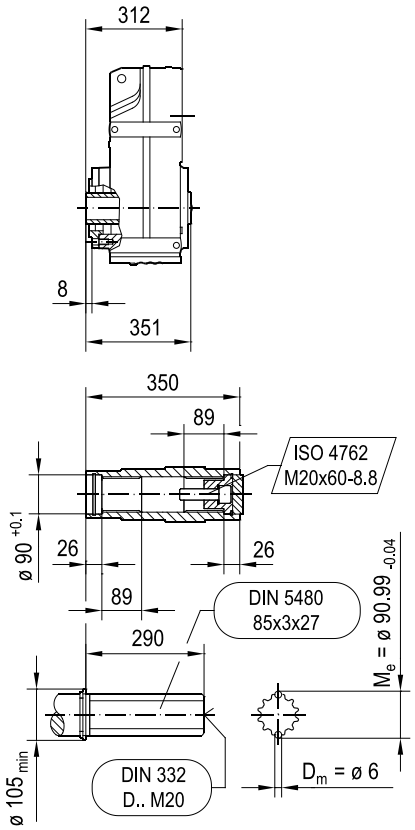
FAZ107..



FHZ107..



FVZ107..

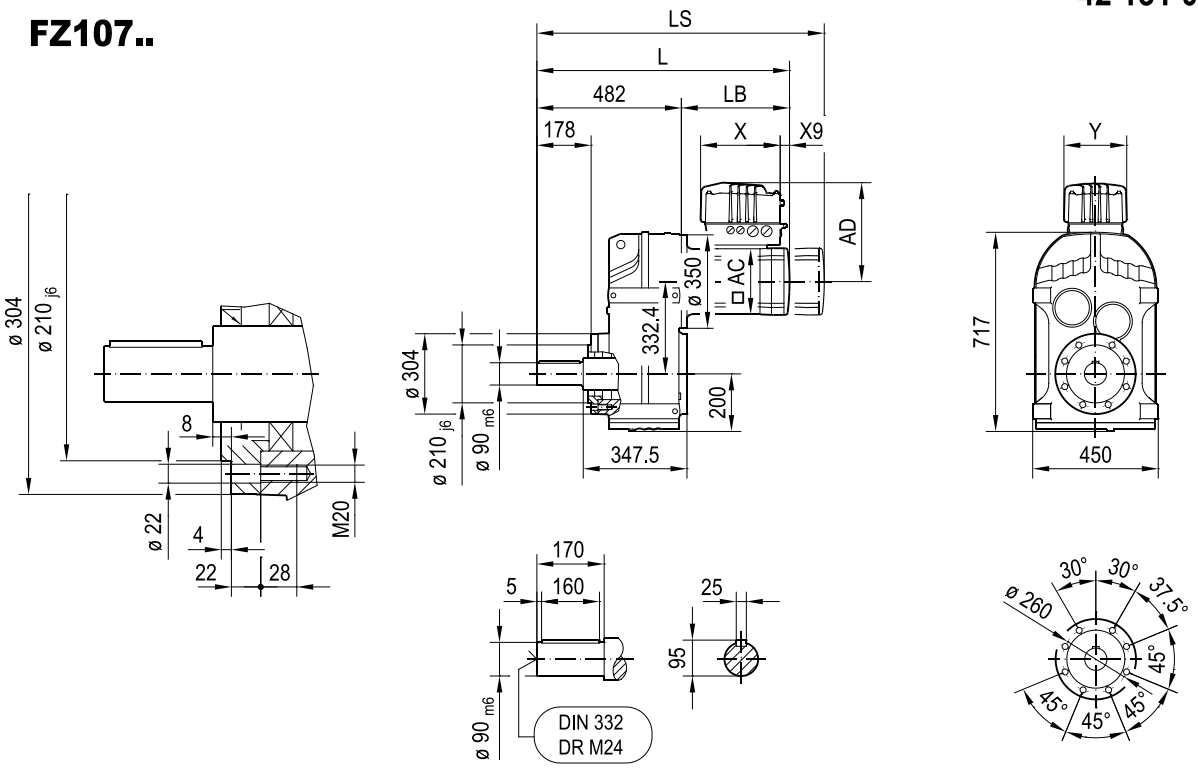


	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	709	709						
LS	733	733						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

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42 131 01 20

FZ107..

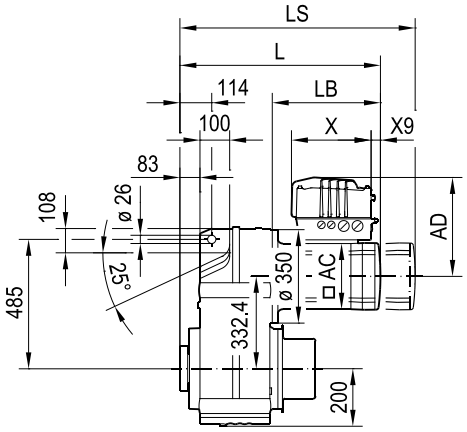


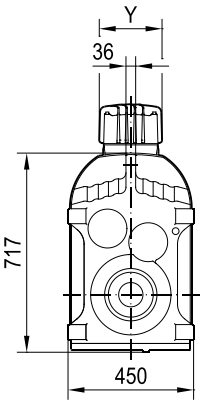
	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	879	879						
LS	903	903						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

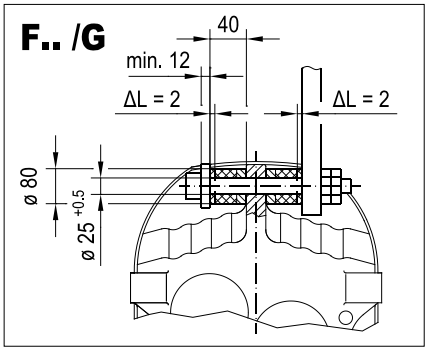
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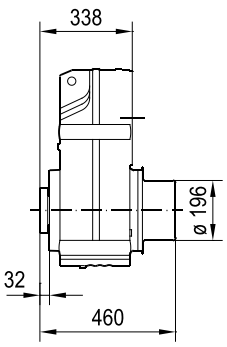
FT107..

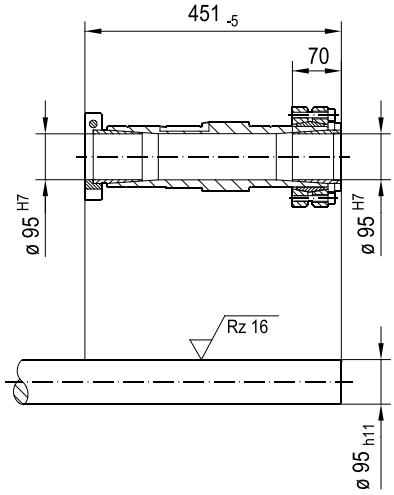
42 132 01 20

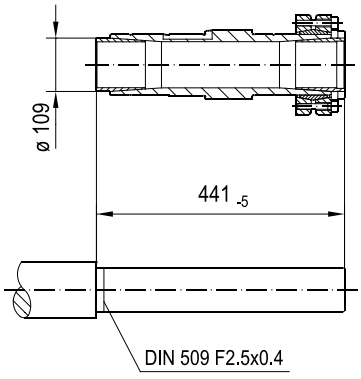








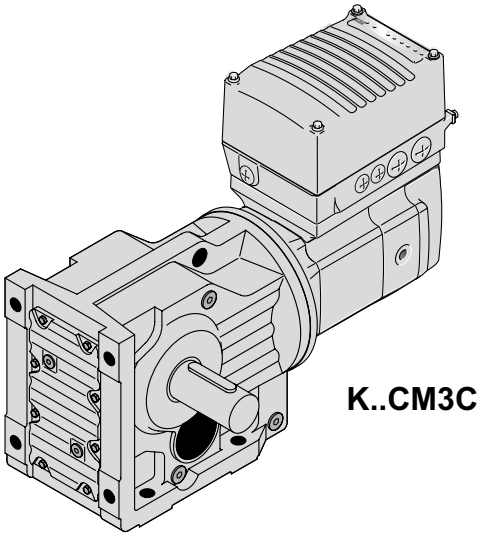




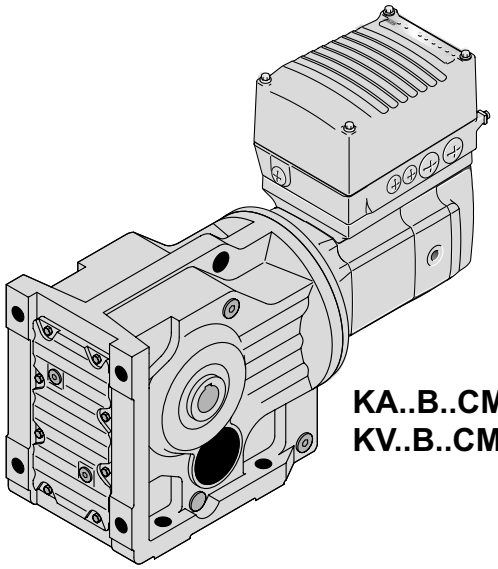
	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	735	735						
LS	759	759						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

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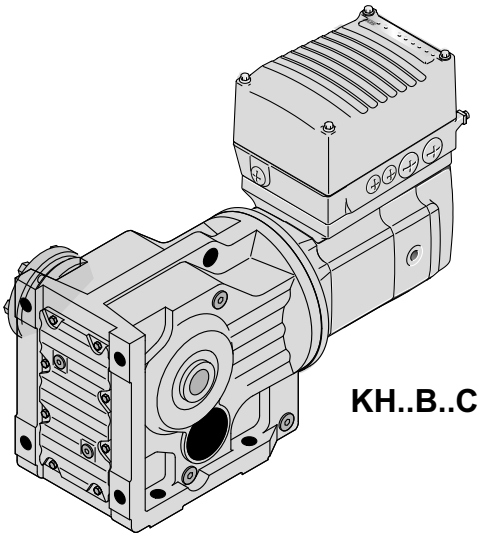
7 K..CM3C../D.. helical-bevel gearmotors



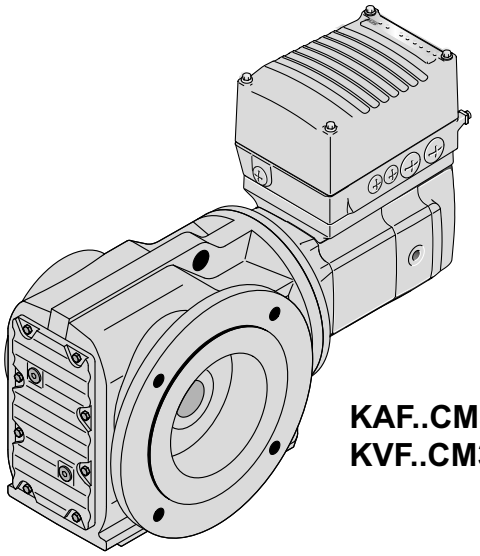
K..CM3C../D..



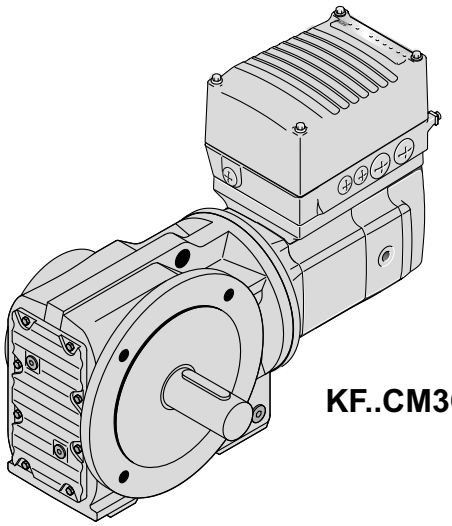
KA..B..CM3C../D..
KV..B..CM3C../D..



KH..B..CM3C../D..



KAF..CM3C../D..
KVF..CM3C../D..

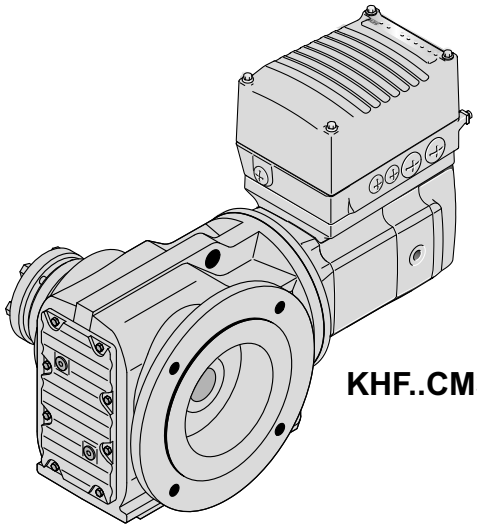


KF..CM3C../D..

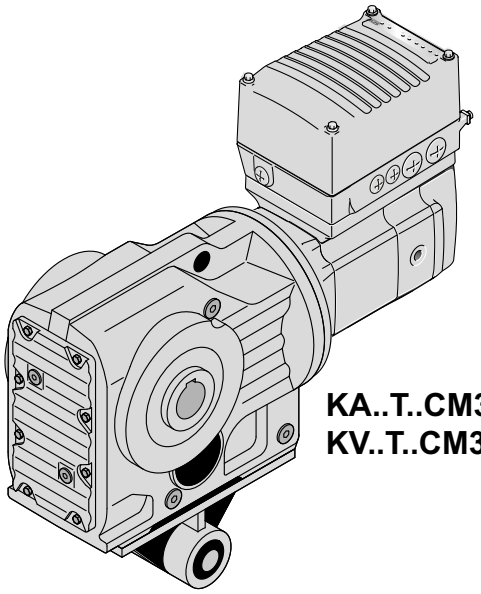
33078721675

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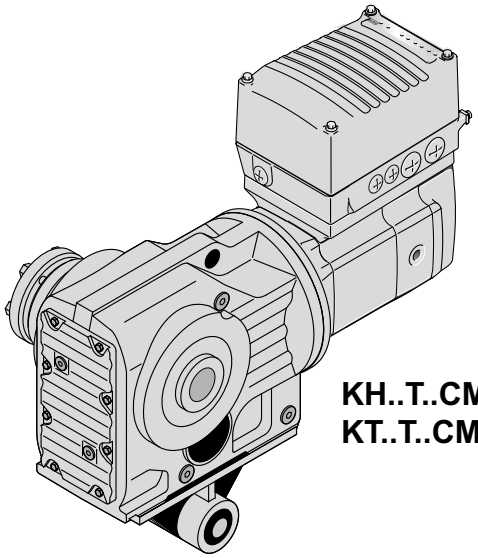
SEW EURODRIVE



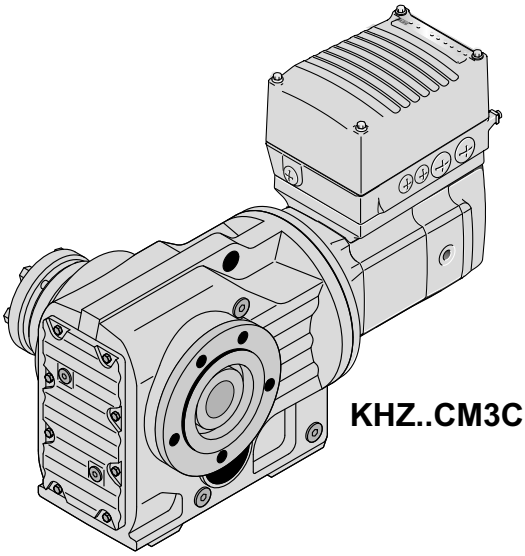
KHF..CM3C../D..



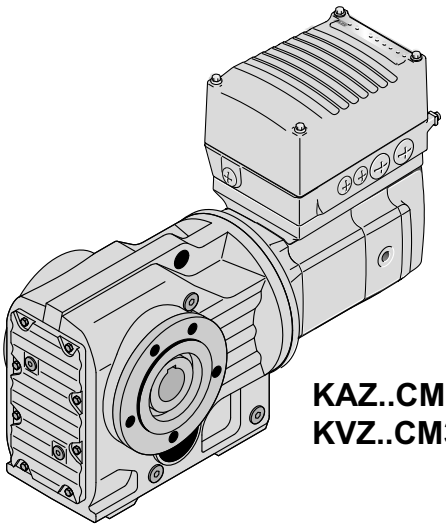
KA..T..CM3C../D..
KV..T..CM3C../D..



KH..T..CM3C../D..
KT..T..CM3C../D..



KHZ..CM3C../D..



KAZ..CM3C../D..
KVZ..CM3C../D..

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7.1 K..CM3C.. selection tables

			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	16	627	11	33	13	42	17	55	22	65	182	3.19
	13	510	13	41	17	51	22	67	27	80	205	3.92
	9.8	392	17	53	22	67	28	88	36	104	182	5.10
	8.7	348	20	60	25	75	32	99	40	117	184	5.75
	7.2	288	24	73	30	91	39	119	49	>123	184	6.95
	6.7	267	25	78	32	97	41	127	52	>135	200	7.48
	5.9	234									200	8.53
	5.5	218	31	95	39	119	51	>143	64	>143	210	9.17
	5.1	202									182	9.90
	4.2	168	41	124	51	>143	66	>143	83	>143	210	11.94
	3.7	148	46	140	58	>143	75	>143	94	>143	210	13.47
	3.1	123	56	>143	70	>143	90	>143	114	>143	210	16.29
	2.5	100									210	19.99
K29	2.3	91	72	>115	90	>115	>105	>115	>105	>115	172	22.08
 2	2.2	86									210	23.19
	2.0	80	81	>119	102	>119	>109	>119	>109	>119	178	24.91
	1.8	73									210	27.23
	1.7	67									210	29.69
	1.7	66	98	>126	>115	>126	>115	>126	>115	>126	189	30.11
	1.5	60									210	33.15
	1.4	56									210	35.83
	1.4	54									200	36.96
	1.3	51									210	38.90
	1.2	47									210	42.87
	0.99	40									210	50.35
	0.91	36									210	54.89
	0.82	33									210	61.28
	0.75	30									210	66.25
	0.70	28									210	71.93

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
K29	 2	21	21	21	22	
KF: + 1.0 kg / KA: + -0.5 kg / KAF: + 0.4 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K29 2	3.19	110	121	182	1389	1.6	1830	1200	1860	1860	5070	6000	6000	6000
	3.92	126	138	205	969	1.1	1910	1240	1920	1920	5030	6000	6000	6000
	5.10	110	121	182	882	0.68	2260	1500	2320	2320	5070	6000	6000	6000
	5.75	112	123	184	783	0.55	2370	1580	2440	2440	5070	6000	6000	6000
	6.95	112	123	184	647	0.39	2580	1720	2660	2660	5070	6000	6000	6000
	7.48	123	135	200	238	0.74	2300	1480	2300	2300	4980	6000	6000	6000
	8.53	122	134	200	528	0.27	2740	1830	2830	2830	5040	6000	6000	6000
	9.17	130	143	210	196	0.55	2470	1600	2480	2480	4960	6000	6000	6000
	9.90	110	121	182	455	0.21	3000	2020	3120	3120	5070	6000	6000	6000
	11.94	130	143	210	194	0.37	2810	1830	2840	2840	4960	6000	6000	6000
	13.47	130	143	210	194	0.30	2970	1950	3010	3010	4960	6000	6000	6000
	16.29	130	143	210	193	0.22	3240	2140	3300	3300	4960	6000	6000	6000
	19.99	130	143	210	192	0.16	3550	2350	3640	3640	4960	6000	6000	6000
	22.08	105	115	172	86	0.33	3820	2560	3950	3950	5020	6000	6000	6000
	23.19	130	143	210	191	0.12	3790	2520	3900	3900	4960	6000	6000	6000
	24.91	109	119	178	75	0.27	3980	2660	4120	4120	5010	6000	6000	6000
	27.23	130	143	210	165	0.098	4060	2710	4190	4190	4960	6000	6000	6000
	29.69	130	143	210	152	0.086	4210	2820	4360	4360	4960	6000	6000	6000
	30.11	115	126	189	63	0.20	4250	2850	4400	4400	4990	6000	6000	6000
	33.15	130	143	210	136	0.073	4410	2960	4580	4580	4960	6000	6000	6000
	35.83	130	143	210	126	0.065	4560	3060	4740	4740	4960	6000	6000	6000
	36.96	122	134	200	51	0.14	4560	3060	4730	4730	4960	6000	6000	6000
	38.90	130	143	210	116	0.057	4720	3170	4910	4910	4960	6000	6000	6000
	42.87	128	140	210	44	0.11	4790	3210	4970	4970	4940	6000	6000	6000
	50.35	130	143	210	42	0.090	4980	3430	5300	5300	4930	6000	6000	6000
	54.89	130	143	210	42	0.079	4980	3560	5510	5510	4930	6000	6000	6000
	61.28	130	143	210	41	0.068	4980	3730	5770	5770	4930	6000	6000	6000
	66.25	130	143	210	41	0.060	4980	3860	5970	5970	4930	6000	6000	6000
	71.93	130	143	210	41	0.053	4980	4000	6000	6000	4930	6000	6000	6000

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			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEnergOff}$ Nm	i
	13	503	13	41	17	51	22	68	27	80	213	3.98
	9.3	373	18	56	23	69	29	91	37	108	238	5.36
	7.8	314	22	66	27	83	35	108	44	129	247	6.37
	7.4	294	23	71	29	88	37	116	47	137	255	6.80
	6.3	251	27	83	34	103	44	136	55	161	264	7.96
	5.6	224	30	93	38	116	49	152	62	180	272	8.91
	4.8	191	36	109	45	136	58	179	73	>199	272	10.49
	4.1	165									272	12.14
	3.8	153	45	136	56	170	72	220	91	>240	281	13.08
	3.3	131	52	160	66	199	85	>240	107	>240	298	15.31
	2.9	117	59	179	74	220	95	>240	120	>240	306	17.15
	2.5	99	69	210	87	>240	112	>240	141	>240	315	20.19
K37 3	2.1	86									332	23.36
	2.0	80									340	24.99
	1.7	69									340	28.83
	1.7	67	101	>230	126	>230	163	>230	>200	>230	340	29.96
	1.4	56	120	>230	150	>230	193	>230	>200	>230	340	35.57
	1.3	53	128	>230	160	>230	>200	>230	>200	>230	340	37.97
	1.1	45	150	>230	188	>230	>200	>230	>200	>230	340	44.46
	1.0	40	168	>230	>200	>230	>200	>230	>200	>230	340	49.79
	0.85	34	198	>230	>200	>230	>200	>230	>200	>230	340	58.60
	0.74	29									340	67.80
	0.69	28									340	72.54
	0.60	24									340	83.69
	0.51	20									340	97.81
	0.47	19									340	106.38

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
K37	3	27	27	27	28	
KF: + 2.3 kg / KA: + -0.2 kg / KAF: + 1.5 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K37 3	3.98	125	187	210	389	2.6	1660	2130	2310	2310	5780	5710	7000	7000
	5.36	140	199	235	330	1.7	1810	2340	2530	2530	5650	5640	7000	7000
	6.37	145	199	245	323	1.3	1950	2500	2720	2720	5650	5640	7000	7000
	6.80	150	199	255	299	1.1	1980	2540	2760	2760	5650	5640	7000	7000
	7.96	155	199	260	285	0.85	2110	2700	2940	2940	5650	5640	7000	7000
	8.91	160	199	270	268	0.70	2200	2810	3070	3070	5650	5640	7000	7000
	10.49	160	199	270	280	0.51	2410	3030	3340	3340	5650	5640	7000	7000
	12.14	160	199	270	297	0.40	2600	3240	3600	3600	5650	5640	7000	7000
	13.08	165	240	280	344	1.0	2650	3310	3660	3660	4100	4100	7000	7000
	15.31	175	240	295	294	0.76	2780	3480	3850	3850	4100	4100	7000	7000
	17.15	180	240	305	262	0.62	2900	3630	4020	4020	4100	4100	7000	7000
	20.19	185	240	315	223	0.46	3110	3870	4300	4300	4100	4100	7000	7000
	23.36	195	240	330	193	0.37	3260	4060	4510	4510	4100	4100	7000	7000
	24.99	200	240	340	180	0.33	3330	4150	4600	4600	4100	4100	7000	7000
	28.83	200	240	340	156	0.26	3580	4420	4940	4940	4100	4100	7000	7000
	29.96	200	230	340	150	0.76	3650	4500	5030	5030	5140	5140	7000	7000
	35.57	200	230	340	127	0.60	3970	4860	5460	5460	5140	5140	7000	7000
	37.97	200	230	340	119	0.54	4100	5000	5630	5630	5140	5140	7000	7000
	44.46	200	230	340	101	0.42	4420	5350	6060	6060	5140	5140	7000	7000
	49.79	200	230	340	90	0.36	4660	5610	6380	6380	5140	5140	7000	7000
	58.60	200	230	340	77	0.27	5020	5630	6860	6860	5140	5140	7000	7000
	67.80	200	230	340	66	0.23	5360	5630	7000	7000	5140	5140	7000	7000
	72.54	200	230	340	62	0.21	5520	5630	7000	7000	5140	5140	7000	7000
	83.69	200	230	340	54	0.17	5640	5630	7000	7000	5140	5140	7000	7000
	97.81	200	230	340	46	0.13	5640	5630	7000	7000	5140	5140	7000	7000
	106.38	200	230	340	42	0.12	5640	5630	7000	7000	5140	5140	7000	7000

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	18	712	9.0	29	12	36	15	47	19	56	21	63	24	70	285	2.81
	13	508	13	41	17	51	21	67	27	79	30	90	34	99	365	3.94
	11	442	15	47	19	59	25	77	31	91	34	103	39	114	405	4.52
	9.6	383	18	54	22	68	29	89	36	105	40	119	45	132	440	5.22
	8.7	348	19	60	24	75	32	98	40	116	44	131	49	145	465	5.75
	7.4	296	23	70	29	88	37	115	47	136	51	154	58	171	510	6.75
	7.0	280	24	74	30	93	39	122	50	144	54	163	61	181	510	7.15
	6.2	246	28	84	35	106	45	138	56	164	62	185	70	205	510	8.12
	5.6	222	31	94	38	117	50	153	63	182	69	205	77	225	510	9.00
	4.7	189	36	111	45	138	59	181	74	210					485	10.61
	4.1	165													430	12.09
	3.9	157													425	12.73
K39  **2**	3.7	149	44	133	55	166	70	215	89	255	97	290	110	320	455	13.44
	3.2	130	50	153	63	191	81	250	102	295	112	330	126	370	475	15.44
	2.8	112	58	176	73	220	94	285	118	340	129	385	146	>410	490	17.83
	2.5	102	64	194	80	240	103	315	130	375	142	>410	160	>410	500	19.62
	2.2	87	75	225	94	285	121	370	153	>410	167	>410	188	>410	510	23.04
	2.0	82	79	240	99	300	128	395	162	>410	177	>410	199	>410	510	24.40
	1.8	72	90	275	113	340	146	>410	184	>410	200	>410	225	>410	510	27.73
	1.6	65	100	300	125	380	162	>410	200	>410	220	>410	250	>410	510	30.72
	1.4	55	118	355	148	>410	191	>410	240	>410					510	36.22
	1.2	48													510	41.28
	1.2	46													510	43.45
	1.0	40													510	49.69
	0.86	34													510	58.24

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
K39	 **2**	31	31	31	32	34	34	
KF: + 1.5 kg / KA: + -1.0 kg / KAF: + 0.5 kg								

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K39 2	2.81	170	255	285	1601	7.9	2870	2460	2180	2180	7500	6260	7500	7500
	3.94	215	320	365	1142	4.6	3070	2630	2260	2260	7500	6180	7500	7500
	4.52	240	360	405	951	3.6	3130	2680	1730	1730	7500	6130	7500	7500
	5.22	260	390	440	770	2.9	3240	2770	960	960	7500	6090	7500	7500
	5.75	275	410	465	654	2.5	3300	2830	290	290	7470	6060	7500	7500
	6.75	300	435	510	481	2.0	3430	2940	0	0	7300	6020	7500	7500
	7.15	300	435	510	478	1.8	3530	3020	157	157	7300	6020	7500	7500
	8.12	300	385	510	477	1.4	3760	3220	2080	2080	7500	6090	7500	7500
	9.00	300	385	510	473	1.2	3950	3380	2860	2860	7500	6090	7500	7500
	10.61	285	370	485	424	0.91	4360	3730	3250	3250	7500	6110	7500	7500
	12.09	255	295	430	372	0.65	4790	4110	3700	3700	7500	6210	7500	7500
	12.73	250	295	425	353	0.58	4930	4220	3830	3830	7500	6210	7500	7500
	13.44	270	405	455	137	2.6	4160	3560	2830	2830	7500	5980	7500	7500
	15.44	280	410	475	119	2.2	4380	3750	2990	2990	7490	5960	7500	7500
	17.83	290	410	490	103	1.8	4630	3960	3180	3180	7490	5960	7500	7500
	19.62	295	410	500	97	1.5	4820	4120	3330	3330	7490	5960	7500	7500
	23.04	300	410	510	89	1.3	5180	4440	3630	3630	7490	5960	7500	7500
	24.40	300	410	510	89	1.2	5330	4560	3760	3760	7490	5960	7500	7500
	27.73	300	410	510	88	0.95	5670	4860	4070	4070	7490	5960	7500	7500
	30.72	300	410	510	88	0.82	5960	5100	4320	4320	7490	5960	7500	7500
	36.22	300	410	510	87	0.65	6440	5520	4740	4740	7490	5960	7500	7500
	41.28	300	410	510	86	0.44	6840	5860	5100	5100	7490	5960	7500	7500
	43.45	300	410	510	86	0.39	7000	6000	5240	5240	7490	5960	7500	7500
	49.69	300	410	510	86	0.32	7440	6150	5630	5630	7490	5960	7500	7500
	58.24	300	410	510	77	0.26	7500	6150	6110	6110	7490	5960	7500	7500

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	11	431	16	48	20	60	25	79	32	93	35	106	40	117	349	4.64
	8.6	344	20	60	25	75	32	99	40	117	44	132	50	147	391	5.81
	7.6	304	22	68	28	85	36	112	46	133	50	150	56	166	408	6.58
	6.8	272	25	77	31	96	40	125	51	149	56	168	63	186	425	7.36
	5.8	234	29	89	36	111	47	146	59	173	65	195	73	215	459	8.56
	5.5	220	31	95	39	118	50	155	63	184	69	205	78	230	476	9.10
	4.7	189	36	110	45	137	58	180	74	210	81	240	91	265	476	10.56
	4.2	170	40	123	50	153	65	200	82	235	90	265	101	295	476	11.77
	4.1	164	42	127	52	159	67	205	85	245	93	275	105	305	595	12.19
	3.7	147	47	142	58	178	76	230	95	275	104	310	117	345	612	13.65
	3.2	126	54	165	68	205	88	270	111	320	121	360	137	400	646	15.86
	3.0	119	58	176	72	220	93	285	118	340	129	385	145	425	646	16.86
	2.6	102	67	200	84	255	109	330	137	395	150	>435	169	>435	680	19.58
	2.3	92	75	225	94	280	121	370	152	>435	167	>435	188	>435	680	21.81
	2.1	83													680	24.06
K47  3	1.9	77	89	270	111	335	144	>435	181	>435					680	25.91
	1.7	68													680	29.32
	1.6	64													680	31.30
	1.4	57	119	360	149	>435	192	>435	240	>435	265	>435	295	>435	680	35.39
	1.3	50	134	405	167	>435	215	>435	270	>435	295	>435	335	>435	680	39.61
	1.1	43	155	>435	194	>435	250	>435	315	>435	345	>435	385	>435	680	46.03
	1.0	41	165	>435	205	>435	265	>435	335	>435	365	>435	>400	>435	680	48.95
	0.88	35	192	>435	240	>435	305	>435	385	>435	>400	>435	>400	>435	680	56.83
	0.79	32	210	>435	265	>435	345	>435	>400	>435	>400	>435	>400	>435	680	63.30
	0.72	29													680	69.84
	0.66	27	250	>435	315	>435	>400	>435	>400	>435					680	75.20
	0.59	23													680	85.12
	0.55	22													680	90.86
	0.48	19													680	104.37
	0.41	16													680	121.48
	0.38	15													680	131.87

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
K47	 3	33	33	33	33	35	35	
KF: + 3.2 kg / KA: + -0.9 kg / KAF: + 2.0 kg								

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K47 3	4.64	205	300	345	321	4.4	2980	2970	2040	2040	7060	7060	9620	10000
	5.81	230	305	390	269	3.6	3140	3140	2100	2100	7020	7020	9570	10000
	6.58	240	310	405	242	2.8	3270	3270	2190	2190	6970	6970	9520	10000
	7.36	250	310	425	226	2.3	3380	3390	2270	2270	6970	6970	9520	10000
	8.56	270	310	455	186	1.8	3500	3520	2310	2310	6970	6970	9520	10000
	9.10	280	310	475	170	1.6	3540	3560	2310	2310	6970	6970	9520	10000
	10.56	280	315	475	177	1.2	3830	3840	2580	2580	6920	6920	9470	10000
	11.77	280	315	475	184	1.0	4060	4050	2770	2770	6920	6920	9470	10000
	12.19	350	435	595	284	2.4	3720	3770	2330	2330	900	900	8510	10000
	13.65	360	435	610	259	2.0	3890	3940	2450	2450	900	900	8510	10000
	15.86	380	435	645	216	1.6	4080	4130	2570	2570	900	900	8510	10000
	16.86	380	435	645	216	1.4	4220	4270	2690	2690	900	900	8510	10000
	19.58	400	435	680	182	1.1	4440	4480	2820	2820	900	900	8510	10000
	21.81	400	435	680	182	0.91	4710	4740	3070	3070	900	900	8510	10000
	24.06	400	435	680	182	0.75	4970	4990	3300	3300	900	900	8510	10000
	25.91	400	435	680	174	0.68	5170	5180	3470	3470	900	900	8510	10000
	29.32	400	435	680	153	0.55	5520	5500	3780	3780	900	900	8510	10000
	31.30	400	435	680	144	0.50	5700	5680	3940	3940	900	900	8510	10000
	35.39	400	435	680	96	1.3	5920	5920	4270	4270	900	900	8510	10000
	39.61	400	435	680	98	1.1	5920	5920	4580	4580	900	900	8510	10000
	46.03	400	435	680	98	0.88	5920	5920	5000	5000	900	900	8510	10000
	48.95	400	435	680	92	0.80	5920	5920	5190	5190	900	900	8510	10000
	56.83	400	435	680	79	0.64	5920	5920	5640	5640	900	900	8510	10000
	63.30	400	435	680	71	0.54	5920	5920	5990	5990	900	900	8510	10000
	69.84	400	435	680	64	0.45	5920	5920	6320	6320	900	900	8510	10000
	75.20	400	435	680	60	0.42	5920	5920	6570	6570	900	900	8510	10000
	85.12	400	435	680	53	0.35	5920	5920	7000	7000	900	900	8510	10000
	90.86	400	435	680	50	0.32	5920	5920	7240	7240	900	900	8510	10000
	104.37	400	435	680	43	0.26	5920	5920	7760	7760	900	900	8510	10000
	121.48	400	435	680	37	0.21	5920	5920	8360	8360	900	900	8510	10000
	131.87	400	435	680	34	0.18	5920	5920	8700	8700	900	900	8510	10000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	12	500	13	41	17	52	22	68	28	81	30	91	34	101	59	179	80	240	745	4.00
	11	426	16	49	20	61	26	80	32	95	36	107	40	118	70	210	94	280	790	4.69
	9.5	378	18	55	22	69	29	90	37	107	40	120	45	134	79	235	106	315	820	5.29
	8.3	334	20	62	25	78	33	102	41	121	46	136	51	151	89	265	120	360	850	5.99
	7.3	293	23	71	29	89	38	116	47	138	52	156	59	173	102	305	137	410	850	6.83
	6.6	264	26	79	32	98	42	129	53	153	58	173	65	192	113	340	152	455	850	7.58
	5.8	231	29	90	37	113	48	147	60	175	66	197	74	215	129	385	174	520	850	8.66
	5.5	219	31	95	39	119	50	156	64	185	70	205	78	230	136	410	184	550	850	9.14
	4.8	192	36	109	45	136	58	178	73	210	80	235	90	260					810	10.42
	4.4	176	39	118	49	148	63	194	79	230	87	255	98	285					840	11.37
	3.7	149	44	134	55	167	71	215	89	255	98	290	110	320	192	575	255	>605	795	13.38
	3.2	128	51	157	64	196	83	255	105	300	115	340	129	380	220	>605	300	>605	830	15.67
K49	2.8	113	58	177	73	220	94	285	118	340	130	385	146	425	250	>605	340	>605	850	17.67
 **2**	2.5	100	66	200	82	250	106	325	134	385	147	435	165	485	285	>605	385	>605	850	20.03
	2.2	88	75	225	94	285	121	370	153	440	168	495	189	550	325	>605	440	>605	850	22.83
	2.0	79	83	250	104	315	135	410	170	490	186	550	205	>605	360	>605	485	>605	850	25.34
	1.7	69	95	290	119	360	154	470	194	560	210	>605	235	>605	415	>605	>500	>605	850	28.95
	1.6	65	101	305	126	380	163	500	205	590	220	>605	250	>605	435	>605	>500	>605	850	30.55
	1.4	57	115	345	144	435	185	570	230	>605	255	>605	285	>605					850	34.81
	1.3	53	125	380	157	475	200	>605	255	>605	275	>605	310	>605					850	37.98
	1.1	45	147	445	183	555	235	>605	295	>605									850	44.44
	0.99	40																	850	50.29
	0.94	38																	850	52.94
	0.83	33																	850	60.27
	0.71	28																	755	70.19
	0.66	27																	800	75.20

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
K49	 **2**	44	44	44	44	46	46	58	58
KF: + 1.7 kg / KA: + -2.8 kg / KAF: + 2.1 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K49 2	4.00	440	605	745	505	11	3110	2390	0	0	9000	9000	9000	9000
	4.69	465	605	790	437	8.8	3270	2600	0	0	9000	9000	9000	9000
	5.29	485	605	820	391	7.2	3400	2770	0	0	9000	9000	9000	9000
	5.99	500	605	850	361	5.9	3570	3030	0	0	9000	9000	9000	9000
	6.83	500	605	850	360	4.8	3840	3250	0	0	9000	9000	9000	9000
	7.58	500	605	850	361	4.1	4050	3440	1030	1030	9000	9000	9000	9000
	8.66	500	605	850	361	3.3	4340	3680	3790	3790	9000	9000	9000	9000
	9.14	500	605	850	361	3.1	4460	3780	3910	3910	9000	9000	9000	9000
	10.42	480	585	810	402	2.4	4860	4120	4330	4330	9000	9000	9000	9000
	11.37	495	605	840	370	2.1	5000	4240	4450	4450	9000	9000	9000	9000
	13.38	470	605	795	138	6.5	4320	3660	3510	3510	9000	9000	9000	9000
	15.67	490	605	830	117	5.2	4590	3890	3750	3750	9000	9000	9000	9000
	17.67	500	605	850	108	4.4	4860	4120	3990	3990	9000	9000	9000	9000
	20.03	500	605	850	107	3.7	5220	4420	4350	4350	9000	9000	9000	9000
	22.83	500	605	850	106	3.1	5610	4750	4750	4750	9000	9000	9000	9000
	25.34	500	605	850	104	2.8	5940	5030	5070	5070	9000	9000	9000	9000
	28.95	500	605	850	103	2.3	6370	5400	5510	5510	9000	9000	9000	9000
	30.55	500	605	850	102	2.1	6550	5550	5690	5690	9000	9000	9000	9000
	34.81	500	605	850	102	1.7	7000	5930	6140	6140	9000	9000	9000	9000
	37.98	500	605	850	102	1.5	7310	6200	6450	6450	9000	9000	9000	9000
	44.44	500	605	850	101	1.2	7900	6690	7040	7040	9000	9000	9000	9000
	50.29	500	605	850	89	0.83	8380	7100	7530	7530	9000	9000	9000	9000
	52.94	500	605	850	85	0.75	8590	7280	7730	7730	9000	9000	9000	9000
	60.27	500	605	850	75	0.61	9000	7740	8280	8280	9000	9000	9000	9000
	70.19	445	605	755	64	0.50	9000	8630	9000	9000	9000	9000	9000	9000
	75.20	475	605	800	60	0.43	9000	8720	9000	9000	9000	9000	9000	9000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	11	426	16	49	20	61	26	80	32	95	36	107	40	118	70	210	94	280	510	4.69
	7.6	304	22	68	28	85	36	112	46	133	50	150	56	166	98	295	132	395	587	6.57
	6.6	265	26	79	32	98	42	129	52	152	57	172	65	191	113	335	152	455	621	7.55
	5.7	230	30	91	37	113	48	148	61	176	66	199	75	220	130	390	175	525	663	8.71
	5.2	209	33	100	41	125	53	163	67	194	73	215	82	240	143	430	193	580	689	9.59
	4.4	178	38	117	48	147	62	192	78	225	86	255	97	285	168	505	225	>585	706	11.26
	4.2	168	41	124	51	155	66	200	83	240	91	270	102	300	178	535	240	>585	706	11.92
	3.8	151	45	138	57	172	73	225	92	265	101	300	114	335	198	595	265	>665	867	13.25
	3.3	131	52	159	65	198	84	260	106	305	116	345	131	385	225	>665	305	>665	910	15.22
	2.8	114	60	183	75	225	97	300	123	355	134	400	151	445	260	>665	350	>665	944	17.57
	2.6	103	66	200	83	250	107	330	135	390	148	440	167	490	285	>665	385	>665	978	19.34
	2.2	88	78	235	98	295	126	385	159	460	174	515	196	575	340	>665	455	>665	1020	22.71
	2.1	83	83	250	103	310	133	410	168	485	184	545	205	605	360	>665	480	>665	1020	24.05
K57	1.8	73	94	285	118	355	152	465	191	550	205	620	235	>665					1020	27.34
 3	1.7	66	104	315	130	395	168	515	210	610	230	>665	260	>665					1020	30.28
	1.4	56	123	370	154	465	198	610	250	>665									1020	35.70
	1.3	52	130	390	162	490	205	640	260	>665	285	>665	325	>665	560	>665	>600	>665	1020	38.49
	1.1	45	150	455	187	565	240	>665	300	>665	330	>665	375	>665	>600	>665	>600	>665	1020	44.43
	1.0	41	165	500	205	625	265	>665	335	>665	365	>665	410	>665	>600	>665	>600	>665	1020	48.89
	0.87	35	194	585	240	>665	310	>665	390	>665	430	>665	485	>665	>600	>665	>600	>665	1020	57.42
	0.82	33	205	620	255	>665	330	>665	415	>665	455	>665	510	>665	>600	>665	>600	>665	1020	60.81
	0.72	29	230	>665	290	>665	375	>665	470	>665	515	>665	580	>665					1020	69.12
	0.65	26	255	>665	320	>665	415	>665	525	>665	575	>665	>600	>665					1020	76.56
	0.55	22	305	>665	380	>665	490	>665	>600	>665									1020	90.26
	0.49	19																	1020	102.88
	0.46	18																	1020	108.29
	0.40	16																	1020	123.85
	0.34	14																	1020	145.14

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
K57	 3	38	38	38	39	41	41	54	54
KF: + 4.7 kg / KA: + -2.1 kg / KAF: + 3.6 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K57 3	4.69	300	450	510	324	9.0	3800	3980	2580	2580	8520	8520	11500	11500
	6.57	345	515	585	256	5.6	4180	4400	2800	2800	7990	8110	11500	11500
	7.55	365	545	620	228	4.4	4360	4580	2900	2900	7740	7920	11500	11500
	8.71	390	585	660	195	3.5	4520	4760	2980	2980	7420	7660	11400	11500
	9.59	405	585	685	178	3.0	4650	4900	3050	3050	7420	7660	11400	11500
	11.26	415	585	705	178	2.3	4990	5250	3340	3340	7420	7660	11400	11500
	11.92	415	585	705	181	2.1	5150	5400	3470	3470	7420	7660	11400	11500
	13.25	510	665	860	226	4.8	5190	5350	3240	3240	4700	4700	11100	11500
	15.22	535	665	910	193	3.8	5430	5600	3390	3390	4700	4700	11100	11500
	17.57	555	665	940	171	3.0	5740	5910	3610	3610	4700	4700	11100	11500
	19.34	575	665	970	151	2.6	5910	6080	3710	3710	4700	4700	11100	11500
	22.71	600	665	1020	132	2.0	6280	6460	3970	3970	4700	4700	11100	11500
	24.05	600	665	1020	131	1.9	6480	6650	4140	4140	4700	4700	11100	11500
	27.34	600	665	1020	132	1.5	6930	7090	4550	4550	4700	4700	11100	11500
	30.28	600	665	1020	131	1.2	7300	7460	4880	4880	4700	4700	11100	11500
	35.70	600	665	1020	126	0.95	7630	7720	5440	5440	4700	4700	11100	11500
	38.49	600	665	1020	71	2.3	7630	7720	5710	5710	4700	4700	11100	11500
	44.43	600	665	1020	73	1.9	7630	7720	6240	6240	4700	4700	11100	11500
	48.89	600	665	1020	74	1.6	7630	7720	6610	6610	4700	4700	11100	11500
	57.42	600	665	1020	76	1.3	7630	7720	7260	7260	4700	4700	11100	11500
	60.81	600	665	1020	74	1.2	7630	7720	7490	7490	4700	4700	11100	11500
	69.12	600	665	1020	65	0.98	7630	7720	8040	8040	4700	4700	11100	11500
	76.56	600	665	1020	59	0.85	7630	7720	8500	8500	4700	4700	11100	11500
	90.26	600	665	1020	50	0.67	7630	7720	9260	9260	4700	4700	11100	11500
	102.88	600	665	1020	44	0.46	7630	7720	9900	9900	4700	4700	11100	11500
	108.29	600	665	1020	42	0.41	7630	7720	10200	10200	4700	4700	11100	11500
	123.85	600	665	1020	36	0.33	7630	7720	10900	10900	4700	4700	11100	11500
	145.14	600	665	1020	31	0.27	7630	7720	11500	11500	4700	4700	11100	11500

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	9.6	385	17	54	22	67	28	88	36	105	39	118	44	131	77	230	104	310	595	5.20
	6.9	275	25	76	31	95	40	124	51	147	55	166	62	184	109	325	146	440	714	7.28
	6.0	239	28	87	36	109	46	143	58	169	64	191	72	210	125	375	168	505	748	8.37
	5.2	207	33	101	41	126	53	165	67	195	74	220	83	240	144	430	194	580	816	9.66
	4.7	188	36	111	45	138	59	181	74	215	81	240	91	265	159	475	210	640	850	10.63
	4.0	160	43	130	53	162	69	210	87	250	95	285	107	315	186	560	250	>695	901	12.48
	3.8	151	45	138	57	172	73	225	92	265	101	300	114	335	197	590	265	795	1139	13.22
	3.3	132	52	158	65	198	84	255	106	305	116	345	131	380	225	680	305	910	1190	15.19
	2.9	114	60	183	75	225	97	295	122	355	134	400	151	440	260	785	350	>920	1258	17.54
	2.6	104	66	200	83	250	107	325	135	390	148	440	166	485	285	860	385	>920	1292	19.30
	2.2	88	78	235	97	295	126	385	158	455	174	515	195	570	335	>920	455	>920	1326	22.66
	2.1	83	82	250	103	310	133	410	168	485	184	545	205	605	355	>920	480	>920	1360	24.00
K67	1.8	73	94	285	117	355	151	465	191	550	205	620	235	690					1394	27.28
3	1.7	66	104	315	130	390	168	515	210	610	230	690	260	765					1394	30.22
	1.4	56	123	370	153	465	198	605	245	720									1394	35.62
	1.3	52	129	390	162	490	205	640	260	760	285	850	320	>920	560	>920	755	>920	1360	38.39
	1.1	45	149	450	187	565	240	740	300	870	330	>920	370	>920	645	>920	>820	>920	1394	44.32
	1.0	41	165	495	205	620	265	810	330	>920	365	>920	410	>920	715	>920	>820	>920	1394	48.77
	0.87	35	193	585	240	730	310	>920	390	>920	430	>920	480	>920	>820	>920	>820	>920	1394	57.28
	0.82	33	205	620	255	775	330	>920	415	>920	455	>920	510	>920	>820	>920	>820	>920	1394	60.66
	0.73	29	235	710	290	890	375	>920	475	>920	520	>920	585	>920					1394	68.95
	0.65	26	260	790	325	>920	420	>920	525	>920	580	>920	650	>920					1394	76.37
	0.56	22	300	>920	380	>920	490	>920	615	>920									1394	90.04
	0.49	19																	1394	102.62
	0.46	19																	1394	108.03
	0.40	16																	1394	123.54
	0.35	14																	1394	144.79

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
K67	3	44	44	44	45	47	47	59	59
KF: + 5.6 kg / KA: + -2.7 kg / KAF: + 3.0 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K67 3	5.20	350	525	595	198	11	9860	10000	2450	2450	12300	12300	12300	13000
	7.28	420	630	710	212	6.3	10700	10900	2480	2480	11700	11700	11300	13000
	8.37	440	660	745	184	4.9	11100	11400	2590	2590	11500	11500	11100	13000
	9.66	480	685	810	159	3.8	11500	11700	2550	2550	11400	11400	10800	13000
	10.63	500	690	850	145	3.2	11800	12000	2590	2590	11300	11300	10800	13000
	12.48	530	695	900	123	2.5	12300	12300	2710	2710	11300	11300	10700	13000
	13.22	670	920	1130	118	5.6	11500	11500	2420	2420	9310	9310	9840	13000
	15.19	700	920	1190	111	4.4	11300	11300	2550	2550	9310	9310	9840	13000
	17.54	740	920	1250	99	3.4	11000	11000	2630	2630	9310	9310	9840	13000
	19.30	760	920	1290	95	2.9	10800	10800	2740	2740	9310	9310	9840	13000
	22.66	780	920	1320	95	2.2	10700	10700	3070	3070	9310	9310	9840	13000
	24.00	800	920	1360	89	2.0	10500	10500	3090	3090	9310	9310	9840	13000
	27.28	820	920	1390	85	1.6	10300	10300	3340	3340	9310	9310	9840	13000
	30.22	820	920	1390	87	1.3	10300	10300	3680	3680	9310	9310	9840	13000
	35.62	820	920	1390	92	1.0	10300	10300	4260	4260	9310	9310	9840	13000
	38.39	800	920	1360	53	2.4	10500	10500	4690	4690	9310	9310	9840	13000
	44.32	820	920	1390	50	1.9	10300	10300	5070	5070	9310	9310	9840	13000
	48.77	820	920	1390	51	1.7	10300	10300	5440	5440	9310	9310	9840	13000
	57.28	820	920	1390	53	1.4	10300	10300	6100	6100	9310	9310	9840	13000
	60.66	820	920	1390	53	1.2	10300	10300	6340	6340	9310	9310	9840	13000
	68.95	820	920	1390	54	1.0	10300	10300	6900	6900	9310	9310	9840	13000
	76.37	820	920	1390	54	0.87	10300	10300	7360	7360	9310	9310	9840	13000
	90.04	820	920	1390	50	0.68	10300	10300	8140	8140	9310	9310	9840	13000
	102.62	820	920	1390	44	0.47	10300	10300	8800	8800	9310	9310	9840	13000
	108.03	820	920	1390	42	0.42	10300	10300	9060	9060	9310	9310	9840	13000
	123.54	820	920	1390	36	0.34	10300	10300	9770	9770	9310	9310	9840	13000
	144.79	820	920	1390	31	0.28	10300	10300	10700	10700	9310	9310	9840	13000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	6.9	276	25	75	31	94	40	123	50	146	55	165	62	183	108	325	145	435	1394	7.24
	5.9	236	29	88	36	110	47	144	59	171	65	193	73	210	126	380	170	510	1513	8.48
	5.2	209	33	100	41	124	53	163	66	193	73	215	82	240	143	425	192	575	1598	9.56
	4.6	185	37	113	46	141	60	185	75	215	83	245	93	270	162	485	215	655	1683	10.84
	4.0	162	42	129	53	161	68	210	86	250	94	280	106	310	185	555	245	745	1700	12.36
	3.7	148	46	141	58	176	75	230	94	270	103	305	116	340	200	605	270	810	2278	13.52
	3.2	126	54	165	68	205	88	270	111	320	121	360	136	400	235	710	315	950	2380	15.84
	2.8	112	61	186	77	230	99	305	125	360	137	405	154	450	265	800	360	1080	2465	17.87
	2.5	99	69	210	87	260	112	345	141	410	155	460	174	510	300	900	405	1220	2550	20.25
	2.2	87	79	240	99	300	128	390	161	465	177	525	199	580	345	1030	465	1390	2635	23.08
	2.0	78	88	265	110	330	142	435	179	515	196	585	220	645	380	1150	515	1540	2635	25.62
	1.7	68	101	305	126	380	162	500	205	590	220	665	250	740	435	1310	590	>1550	2635	29.27
	1.6	65	106	320	133	400	171	525	215	625	235	705	265	780	460	1380	620	>1550	2635	30.89
	1.4	57	121	365	152	455	195	600	245	710	270	800	300	890					2635	35.20
K77	1.3	52	132	400	165	500	210	655	265	775	290	870	330	970					2550	38.39
3	1.2	50	136	410	171	515	220	675	275	800	300	900	340	1000	590	>1550	795	>1550	2635	40.04
	1.1	44	154	465	193	580	245	760	310	900	340	1020	385	1130	665	>1550	900	>1550	2635	45.16
	0.98	39	175	525	215	660	280	860	350	1020	385	1150	435	1280	755	>1550	1020	>1550	2635	51.18
	0.86	34	199	600	245	750	320	980	400	1160	440	1310	495	1460	860	>1550	1160	>1550	2635	58.34
	0.77	31	220	670	275	830	355	1090	445	1290	490	1460	550	>1550	950	>1550	1290	>1550	2635	64.75
	0.68	27	250	765	315	950	405	1250	510	1480	560	>1550	630	>1550	1090	>1550	1470	>1550	2635	73.99
	0.64	26	265	800	330	1000	430	1320	540	>1550	590	>1550	665	>1550	1150	>1550	>1550	>1550	2635	78.07
	0.56	22	300	920	380	1140	490	1500	615	>1550	675	>1550	760	>1550					2635	88.97
	0.52	21	330	1000	410	1250	530	>1550	670	>1550	735	>1550	820	>1550					2635	97.05
	0.44	18	380	1160	480	1450	615	>1550	775	>1550									2635	113.56
	0.39	16																	2635	128.52
	0.37	15																	2635	135.24
	0.32	13																	2635	154.02
	0.28	11																	2465	179.37
	0.26	10																	2465	192.18

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
K77	3	69	69	69	69	72	72	83	83

KF: + 8.3 kg / KA: + -7.5 kg / KAF: + 0.4 kg

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K77 3	7.24	820	1150	1390	213	17	13100	13800	2490	2490	17700	17700	16800	20000
	8.48	890	1160	1510	182	13	13500	14300	2430	2430	17600	17700	16800	20000
	9.56	940	1160	1590	161	10	13900	14700	2430	2430	17600	17700	16800	20000
	10.84	990	1170	1680	142	8.2	14400	15200	2460	2460	17600	17700	16700	20000
	12.36	1000	1170	1700	126	6.5	15100	16000	2820	2820	17600	17700	16700	20000
	13.52	1340	1550	2270	155	15	14800	15800	1850	1850	15400	16600	15300	20000
	15.84	1400	1550	2380	147	11	15500	16600	2030	2030	15400	16600	15300	20000
	17.87	1450	1550	2460	140	9.0	16100	16900	2160	2160	15400	16600	15300	20000
	20.25	1500	1550	2550	133	7.2	15700	16800	2330	2330	15400	16600	15300	20000
	23.08	1550	1550	2630	126	5.8	15400	16600	2550	2550	15400	16600	15300	20000
	25.62	1550	1550	2630	133	5.0	15400	16600	2990	2990	15400	16600	15300	20000
	29.27	1550	1550	2630	140	4.0	15400	16600	3590	3590	15400	16600	15300	20000
	30.89	1550	1550	2630	142	3.6	15400	16600	3840	3840	15400	16600	15300	20000
	35.20	1550	1550	2630	128	2.9	15400	16600	4460	4460	15400	16600	15300	20000
	38.39	1500	1550	2550	117	2.5	15700	16800	5210	5210	15400	16600	15300	20000
	40.04	1550	1550	2630	38	6.0	15400	16600	5100	5100	15400	16600	15300	20000
	45.16	1550	1550	2630	34	4.9	15400	16600	5720	5720	15400	16600	15300	20000
	51.18	1550	1550	2630	30	4.1	15400	16600	6390	6390	15400	16600	15300	20000
	58.34	1550	1550	2630	31	3.3	15400	16600	7130	7130	15400	16600	15300	20000
	64.75	1550	1550	2630	32	3.0	15400	16600	7740	7740	15400	16600	15300	20000
	73.99	1550	1550	2630	32	2.4	15400	16600	8550	8550	15400	16600	15300	20000
	78.07	1550	1550	2630	32	2.3	15400	16600	8890	8890	15400	16600	15300	20000
	88.97	1550	1550	2630	33	1.9	15400	16600	9730	9730	15400	16600	15300	20000
	97.05	1550	1550	2630	33	1.6	15400	16600	10300	10300	15400	16600	15300	20000
	113.56	1550	1550	2630	33	1.3	15400	16600	11400	11400	15400	16600	15300	20000
	128.52	1550	1550	2630	33	0.90	15400	16600	12300	12300	15400	16600	15300	20000
	135.28	1550	1550	2630	33	0.81	15400	16600	12700	12700	15400	16600	15300	20000
	154.02	1550	1550	2630	29	0.66	15400	16600	13700	13700	15400	16600	15300	20000
	179.37	1450	1550	2460	25	0.53	16100	16900	15600	15600	15400	16600	15300	20000
	192.18	1450	1550	2460	23	0.46	16100	16900	16200	16200	15400	16600	15300	20000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	6.9	277													107	320	145	435	2210	7.21
	6.0	241	28	86	35	108	46	141	58	167	63	189	71	210	124	370	167	500	2380	8.29
	5.0	200	34	104	43	130	55	170	70	200	76	225	86	250	149	445	200	600	2550	10.00
	4.5	179	38	116	48	145	62	190	78	225	85	255	96	280	167	500	225	675	2550	11.17
	4.0	159													188	560	250	755	3400	12.56
	3.5	138	49	151	62	188	80	245	101	290	110	330	124	365	215	645	290	870	3570	14.45
	3.1	125	55	167	69	205	89	270	112	320	122	365	138	405	235	715	320	960	3060	16.00
	2.9	115	60	182	75	225	96	295	122	350	133	395	150	440	260	780	350	1050	3740	17.42
	2.6	103	67	200	84	250	108	330	136	390	149	440	168	490	290	870	390	1170	3910	19.45
	2.2	89	77	230	96	290	124	380	157	450	172	510	193	565	335	1000	450	1350	3910	22.41
	2.0	80	86	260	107	325	138	425	174	500	191	565	215	630	370	1110	500	1500	4250	24.92
	1.8	72	96	290	120	360	155	475	195	560	210	635	240	705	415	1250	560	1680	4420	27.88
	1.6	64	108	325	135	405	174	535	215	635	240	715	270	795	470	1410	630	1890	4590	31.39
K87	1.4	55	124	375	156	470	200	615	250	730	275	820	310	910	540	1620	725	2180	4250	36.52
3	1.1	45	150	455	188	565	240	740	305	880	330	990	375	1100	650	1950	870	2630	4420	44.02
	1.0	41	168	505	210	635	270	830	340	980	370	1110	420	1230	725	2180	980	2940	4590	49.16
	0.88	35	193	585	240	730	310	950	390	1130	430	1280	480	1420	830	2510	1120	>3240	4590	56.64
	0.79	32	215	650	265	810	345	1060	435	1260	475	1420	535	1580	930	2800	1250	>3240	4590	63.00
	0.71	28	240	725	300	910	385	1190	485	1410	535	1590	600	1760	1040	3130	1400	>3240	4590	70.46
	0.63	25	270	820	335	1020	435	1340	550	1590	600	1790	675	1980	1170	>3240	1580	>3240	4590	79.34
	0.58	23	295	890	365	1110	475	1460	595	1730	655	1950	735	2160	1270	>3240	1720	>3240	4590	86.34
	0.49	19	350	1060	435	1320	565	1730	710	2050	780	2320	870	2570	1520	>3240	2040	>3240	4590	102.71
	0.43	17	395	1190	495	1490	635	1950	800	2320	880	2610	990	2900					4590	115.82
	0.39	16	430	1310	540	1630	695	2140	880	2540	960	2860	1080	3180					4590	126.91
	0.34	14	495	1500	620	1880	800	2460	1010	2920									4590	147.32
	0.30	12																	4590	164.34
	0.29	11																	4590	174.19
	0.25	10																	4590	197.37

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
K87	3	105	105	105	105	105	105	120	120
KF: + 9.2 kg / KA: + -12.1 kg / KAF: + 1.1 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K87 3	7.21	1300	1950	2210	259	46	13200	15100	4970	4970	28100	27000	28500	30000
	8.29	1400	2100	2380	214	35	13500	15600	4960	4960	27900	26900	27600	30000
	10.00	1500	2240	2550	186	26	14200	16400	5210	5210	27800	26700	26700	30000
	11.17	1500	2250	2550	193	22	14900	17100	5770	5770	27800	26700	26600	30000
	12.56	2000	3000	3400	225	42	14800	17000	5030	5030	26900	25900	24500	30000
	14.45	2100	3150	3570	201	32	15300	17700	5240	5240	26700	25700	23700	30000
	16.00	1800	2270	3060	118	12	16000	18500	5810	5810	27700	26700	26500	30000
	17.42	2200	3240	3740	189	24	16300	18800	5770	5770	26500	25600	23200	30000
	19.45	2300	3240	3910	170	20	16800	19300	5890	5890	26500	25600	23200	30000
	22.41	2300	3240	3910	179	16	17900	20600	6790	6790	26500	25600	23200	30000
	24.92	2500	3240	4250	140	14	18000	20700	6390	6390	26500	25600	23200	30000
	27.88	2600	3240	4420	123	12	18500	21400	6600	6600	26500	25600	23200	30000
	31.39	2700	3240	4590	108	9.6	19200	22100	6900	6900	26500	25600	23200	30000
	36.52	2500	3240	4250	43	20	21400	24500	9140	9140	26500	25600	23200	30000
	44.02	2600	3240	4420	39	16	22800	26000	10100	10100	26500	25600	23200	30000
	49.16	2700	3240	4590	35	14	23500	26300	10400	10400	26500	25600	23200	30000
	56.64	2700	3240	4590	36	11	25000	26300	11600	11600	26500	25600	23200	30000
	63.00	2700	3240	4590	36	9.8	26200	26300	12600	12600	26500	25600	23200	30000
	70.46	2700	3240	4590	37	8.4	27300	26300	13700	13700	26500	25600	23200	30000
	79.34	2700	3240	4590	37	7.1	27300	26300	14800	14800	26500	25600	23200	30000
	86.34	2700	3240	4590	37	6.3	27300	26300	15700	15700	26500	25600	23200	30000
	102.71	2700	3240	4590	38	4.9	27300	26300	17500	17500	26500	25600	23200	30000
	115.82	2700	3240	4590	38	4.0	27300	26300	18800	18800	26500	25600	23200	30000
	126.91	2700	3240	4590	35	3.5	27300	26300	19900	19900	26500	25600	23200	30000
	147.32	2700	3240	4590	31	2.8	27300	26300	21600	21600	26500	25600	23200	30000
	164.34	2700	3240	4590	27	1.8	27300	26300	23000	23000	26500	25600	23200	30000
	174.19	2700	3240	4590	26	1.6	27300	26300	23700	23700	26500	25600	23200	30000
	197.37	2700	3240	4590	23	1.3	27300	26300	25400	25400	26500	25600	23200	30000

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			CM3C../D									
			80M_0040		80M_0055		100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	6.6	265					112	335	152	455	4080	7.54
	5.7	230					130	390	175	525	4522	8.71
	4.8	192					155	465	205	625	4879	10.41
	4.2	167					179	535	240	725	6613	11.99
	3.6	144					205	620	275	830	7310	13.85
	3.0	121					245	740	330	1000	7310	16.56
	2.6	105	145	430	163	480	280	850	380	1140	7310	18.96
	2.2	89	171	510	193	565	335	1000	450	1350	7310	22.37
	2.0	81	190	565	210	625	370	1110	495	1490	7310	24.75
	1.8	72	210	635	240	705	415	1250	560	1680	7310	27.91
	1.6	65	235	700	265	780	460	1380	620	1860	7310	30.82
	1.5	58	260	780	295	860	510	1530	690	2070	7310	34.23
K97 3	1.3	52	290	870	330	970	570	1720	770	2310	7310	38.30
	1.2	48					605	1820	810	2450	7310	41.87
	1.0	42	360	1070	405	1180	700	2100	940	2830	7310	47.93
	0.88	35	425	1260	475	1400	820	2480	1110	3340	7310	56.55
	0.80	32	470	1390	525	1550	910	2750	1230	3700	7310	62.55
	0.71	28	530	1570	595	1750	1030	3100	1390	4170	7310	70.54
	0.64	26	585	1740	655	1930	1140	3420	1530	4610	7310	77.89
	0.58	23	650	1930	730	2140	1260	3800	1700	>4710	7310	86.52
	0.52	21	725	2160	810	2400	1410	4250	1910	>4710	7310	96.80
	0.48	19	790	2350	880	2600	1540	4620	2070	>4710	7310	105.13
	0.40	16	930	2770	1040	3070	1810	>4710	2440	>4710	7310	123.93
	0.36	14	1050	3130	1180	3480					7310	140.28
	0.33	13	1150	3420	1290	3800					7310	153.21
	0.28	11									7310	176.05

m kg		CM3C../D			
		80M_0040	80M_0055	100LM_0070	100LM_0095
K97	3	165	165	180	180

KF: + 20.1 kg / KA: + -18.2 kg / KAF: + 6.7 kg

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K97 3	7.54[1)]	2400	3560	4080	290	120	15700	18100	10200	10200	40000	39300	40000	40000
	8.71[1)]	2660	3590	4520	222	94	15800	18200	9930	9930	40000	39300	40000	40000
	10.41	2870	3610	4870	187	71	16400	19000	10300	10300	40000	39300	40000	40000
	11.99[1)]	3890	4710	6610	172	115	16200	18800	9100	9100	40000	38300	40000	40000
	13.85[1)]	4300	4710	7310	132	91	16100	18900	8520	8520	40000	38300	40000	40000
	16.56	4300	4710	7310	144	69	17800	20700	10300	10300	40000	38300	40000	40000
	18.96	4300	4710	7310	151	55	19100	22100	11700	11700	40000	38300	40000	40000
	22.37	4300	4710	7310	161	43	20900	24000	13500	13500	40000	38300	40000	40000
	24.75	4300	4710	7310	166	37	22000	25200	14700	14700	40000	38300	40000	40000
	27.91	4300	4710	7310	161	30	23300	26600	16100	16100	40000	38300	40000	40000
	30.82	4300	4710	7310	146	26	24500	27800	17300	17300	40000	38300	40000	40000
	34.23	4300	4710	7310	131	22	25700	29200	18600	18600	40000	38300	40000	40000
	38.30	4300	4710	7310	117	18	27100	30700	20100	20100	40000	38300	40000	40000
	41.87	4300	4710	7310	37	42	28300	31900	21300	21300	40000	38300	40000	40000
	47.93	4300	4710	7310	32	35	30000	33800	23300	23300	40000	38300	40000	40000
	56.55	4300	4710	7310	31	28	32300	36300	25700	25700	40000	38300	40000	40000
	62.55	4300	4710	7310	32	25	33800	37800	27300	27300	40000	38300	40000	40000
	70.54	4300	4710	7310	32	21	35600	38700	29200	29200	40000	38300	40000	40000
	77.89	4300	4710	7310	32	18	37100	38700	30900	30900	40000	38300	40000	40000
	86.52	4300	4710	7310	32	16	38800	38700	32700	32700	40000	38300	40000	40000
	96.80	4300	4710	7310	33	13	40000	38700	34700	34700	40000	38300	40000	40000
	105.13	4300	4710	7310	33	12	40000	38700	36300	36300	40000	38300	40000	40000
	123.93	4300	4710	7310	33	9.3	40000	38700	39500	39500	40000	38300	40000	40000
	140.28	4300	4710	7310	32	5.9	40000	38700	40000	40000	40000	38300	40000	40000
	153.21	4300	4710	7310	29	5.2	40000	38700	40000	40000	40000	38300	40000	40000
	176.05	4300	4710	7310	26	4.0	40000	38700	40000	40000	40000	38300	40000	40000

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			CM3C../D					
			100LM_0070		100LM_0095			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
K107 3	6.8	272					6120	7.35
	5.8	230	130	390	175	525	6919	8.69
	5.0	201	148	445	200	600	7123	9.94
	4.3	171	175	525	235	705	7310	11.73
	3.7	149	200	600	270	810	7310	13.43
	3.4	137	215	655	295	880	11713	14.64
	3.0	119	250	750	335	1010	11985	16.75
	2.5	101	295	880	395	1190	12240	19.74
	2.2	88	335	1010	455	1360	12240	22.62
	1.9	76	390	1180	530	1590	12240	26.32
	1.7	69	430	1300	580	1750	12240	29.00
	1.6	64					11560	31.28
	1.5	61	485	1460	655	1970	12240	32.69
	1.4	54	540	1620	730	2190	12240	37.00
	1.2	47	620	1860	830	2500	12512	42.33
	1.0	40	730	2190	980	2950	13328	49.90
	0.87	35	830	2510	1120	3380	13600	57.17
	0.75	30	970	2920	1310	3930	13600	66.52
	0.68	27	1070	3220	1440	4340	13600	73.30
	0.61	24	1210	3630	1630	4890	13600	82.61
	0.55	22	1330	4000	1790	5380	13600	90.96
	0.50	20	1470	4430	1980	5960	13600	100.75
	0.44	18	1640	4940	2210	6650	13600	112.41
	0.41	16	1780	5340	2390	7190	13600	121.46
	0.35	14	2100	6310	2830	8490	13600	143.47

m kg		CM3C../D		
		100LM_0070	100LM_0095	
K107	3	290	290	
KF: + 12.1 kg / KA: + -27.2 kg / KAF: + -3.2 kg				

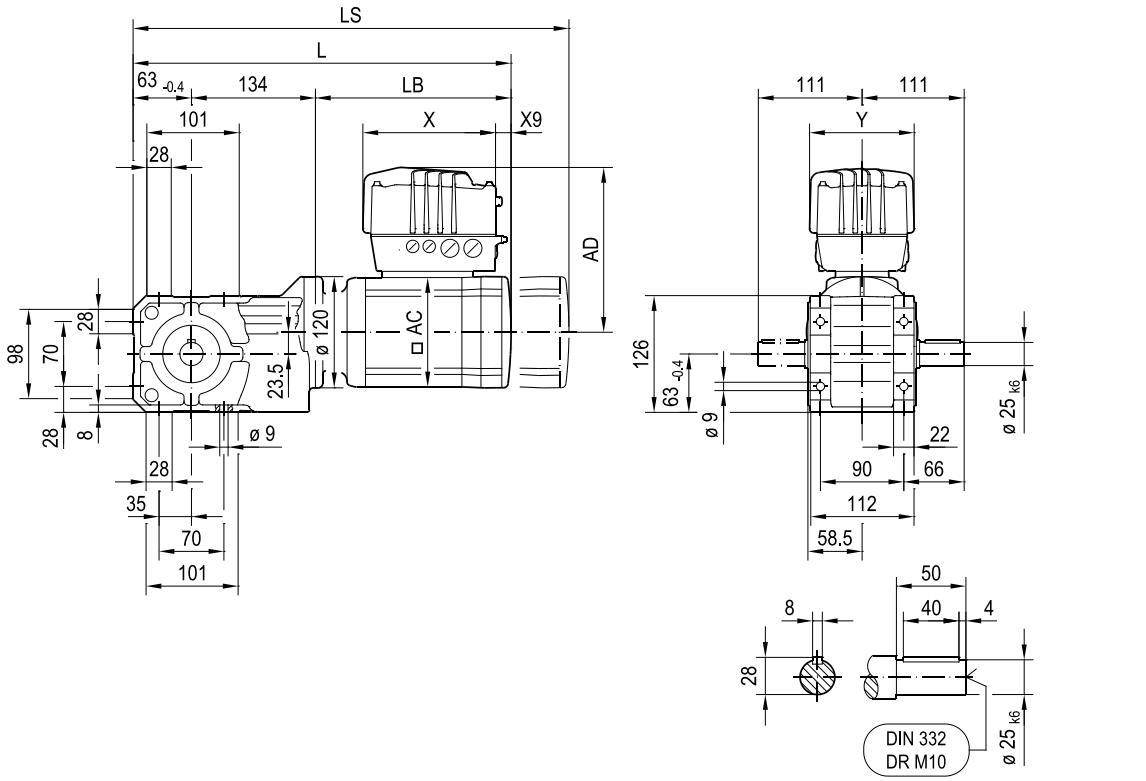
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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	K	KF	KA	KAF	K	KF	KA	KAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
K107 3	7.35[1)]	3600	4720	6120	298	231	24400	28500	9900	47100	65000	65000	65000	65000
	8.69	4070	4780	6910	212	170	24600	29100	9270	48300	65000	65000	65000	65000
	9.94	4190	4840	7120	204	136	25800	30500	10000	50500	65000	65000	65000	65000
	11.73	4300	4910	7310	201	104	27500	32300	11100	53500	65000	65000	65000	65000
	13.43	4300	4940	7310	210	82	29200	34200	12600	56500	65000	65000	65000	65000
	14.64	6890	8060	11700	124	163	19500	23000	6180	51700	65000	65000	64300	65000
	16.75	7050	8160	11900	122	131	21000	24800	7080	54200	65000	65000	63900	65000
	19.74	7200	8270	12200	122	100	23200	27300	8440	57700	65000	65000	63400	65000
	22.62	7200	8320	12200	127	80	25800	30300	10100	61200	65000	65000	63300	65000
	26.32	7200	8370	12200	134	63	28800	33600	12100	65000	65000	65000	63100	65000
	29.00	7200	8400	12200	137	54	30700	35800	13400	65000	65000	65000	62900	65000
	31.28[1)]	6800	9090	11500	49	112	34200	39700	16100	65000	65000	65000	60200	65000
	32.69	7200	8430	12200	138	45	33200	38600	15100	65000	65000	65000	62800	65000
	37.00	7200	9090	12200	42	86	35800	41500	17000	65000	65000	65000	60200	65000
	42.33	7360	9090	12500	38	72	37900	44000	18400	65000	65000	65000	60200	65000
	49.90	7840	9090	13300	32	58	39300	45600	19200	65000	65000	65000	60200	65000
	57.17	8000	9090	13600	30	48	41700	48400	20900	65000	65000	65000	60200	65000
	66.52	8000	9090	13600	31	40	45400	52500	23600	65000	65000	65000	60200	65000
	73.30	8000	9090	13600	31	35	47900	55300	25400	65000	65000	65000	60200	65000
	82.61	8000	9090	13600	31	29	50900	58700	27700	65000	65000	65000	60200	65000
	90.96	8000	9090	13600	32	25	53500	61600	29600	65000	65000	65000	60200	65000
	100.75	8000	9090	13600	32	20	56200	64700	31700	65000	65000	65000	60200	65000
	112.41	8000	9090	13600	32	17	59300	65000	34000	65000	65000	65000	60200	65000
	121.46	8000	9090	13600	32	15	61500	65000	35700	65000	65000	65000	60200	65000
	143.47	8000	9090	13600	31	12	65000	65000	39600	65000	65000	65000	60200	65000

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7.2 Dimension sheets for K..CM3C../D.. in mm

K29.. **33 116 00 20**

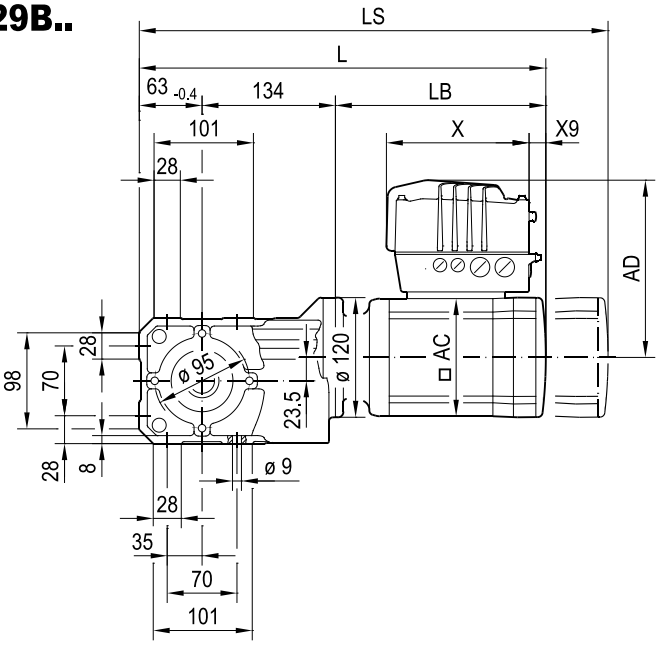


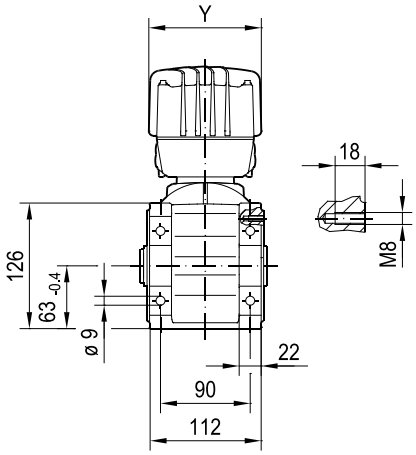
	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	468	468						
LS	509	509						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

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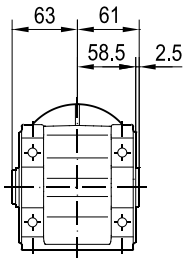
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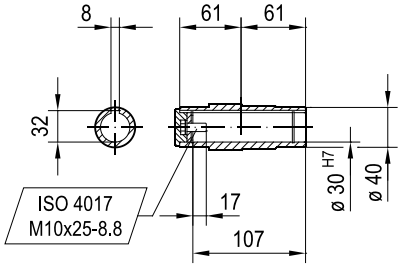




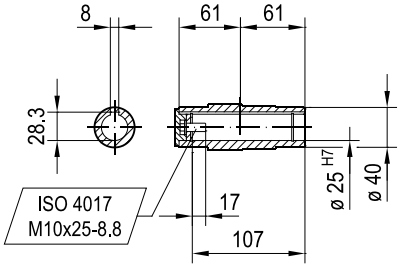
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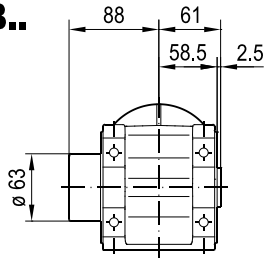
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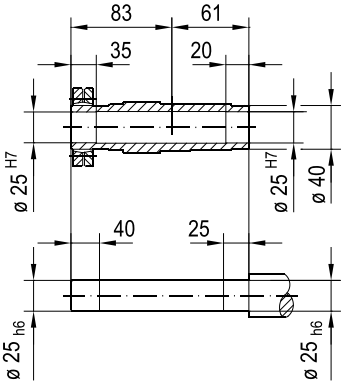


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KH29B..



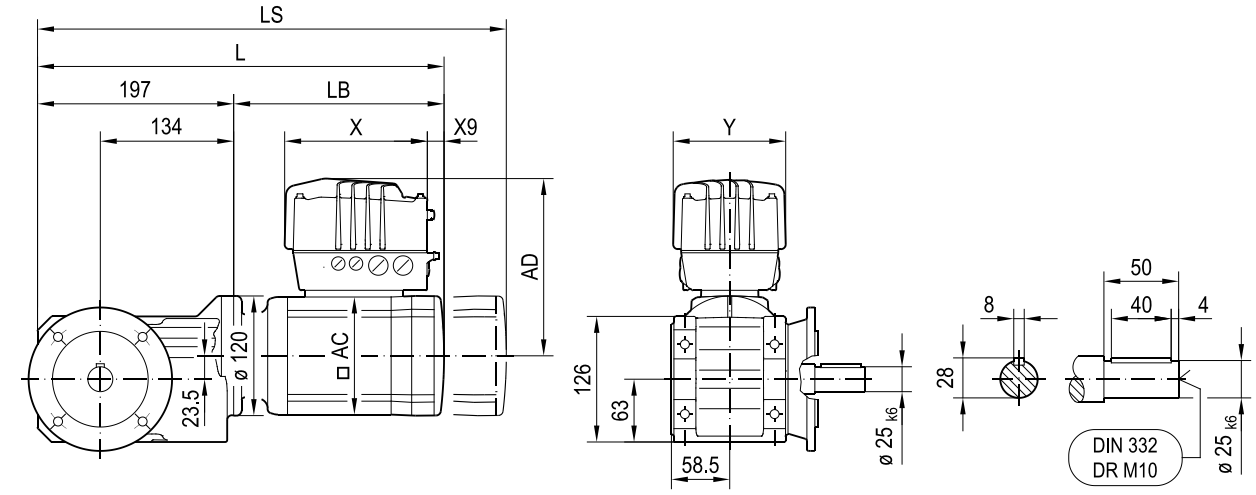


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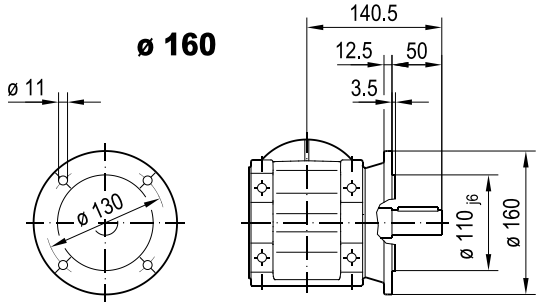
31546617/EN – 04/2026

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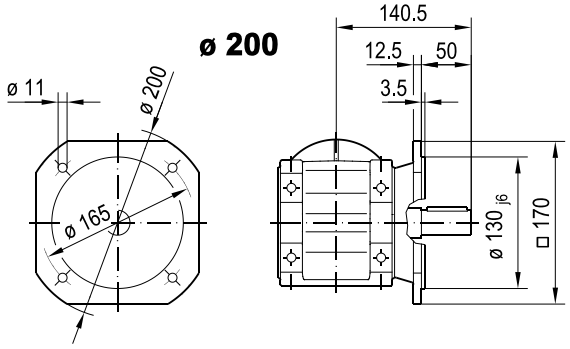
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ø 160

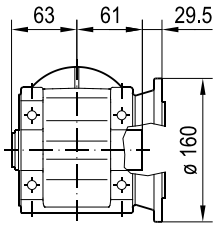


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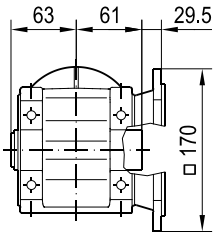


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ø 160

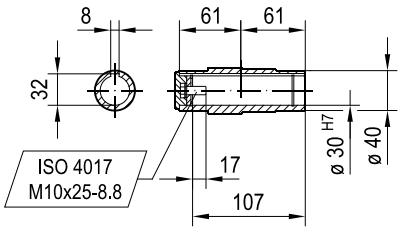


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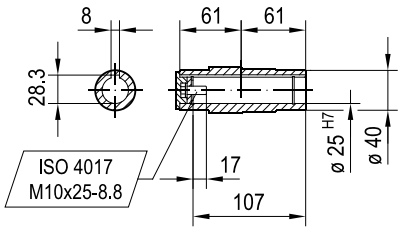


ø 30 H7

DIN 6885-3



ø 25 H7

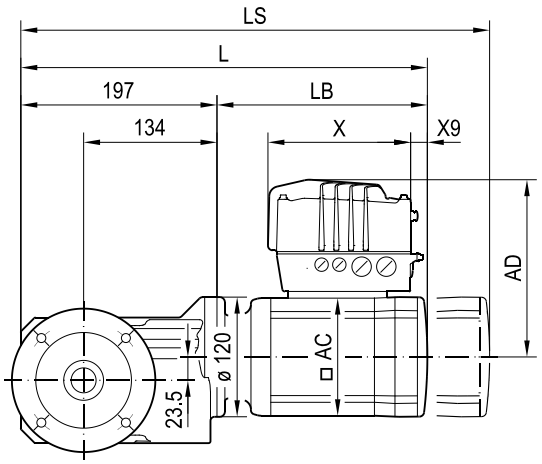


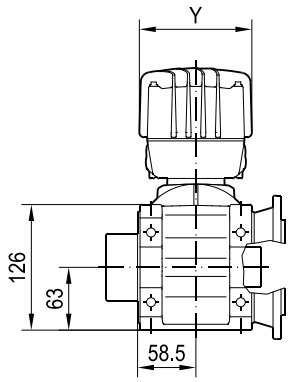
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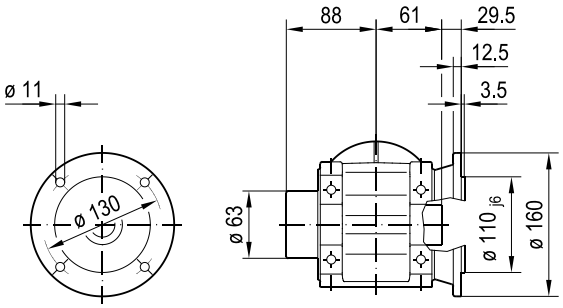
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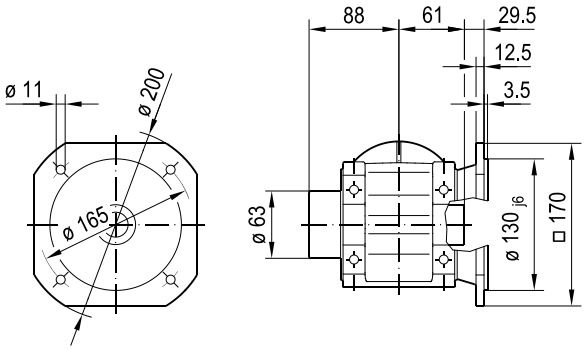


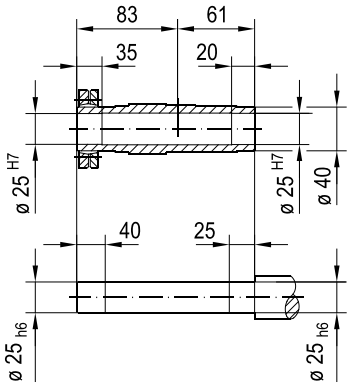


ø 160



ø 200



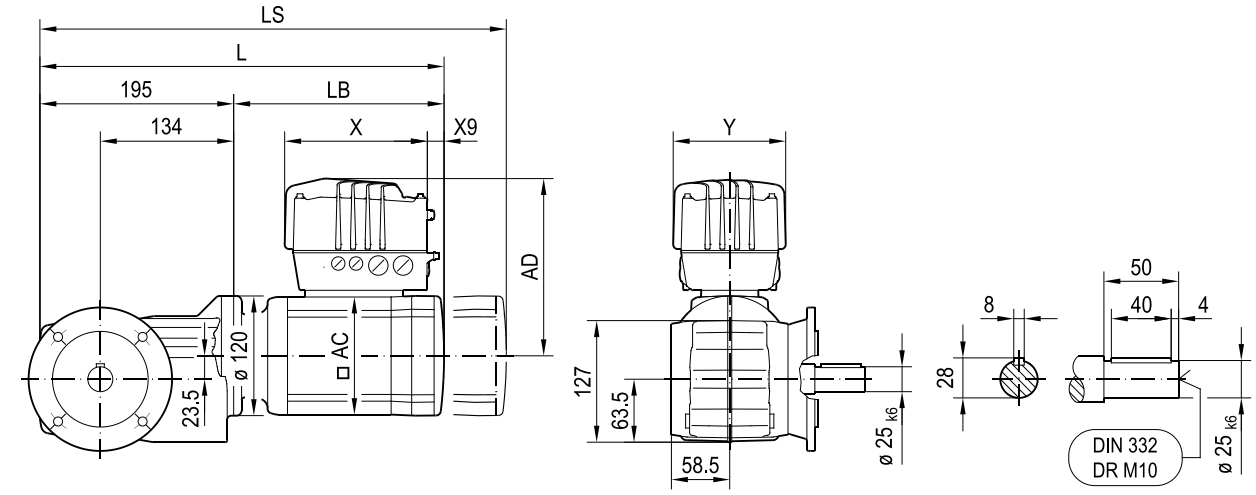


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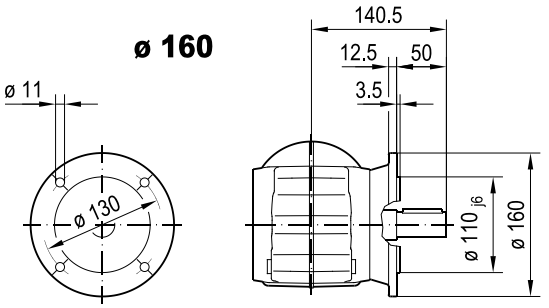
31546617/EN – 04/2026

KF29..

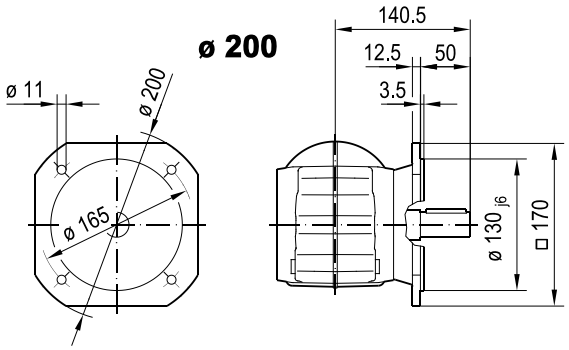
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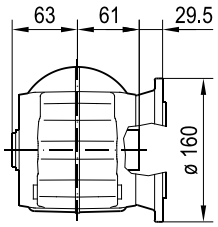


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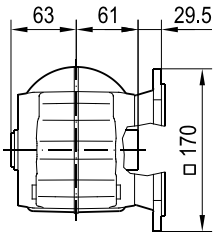


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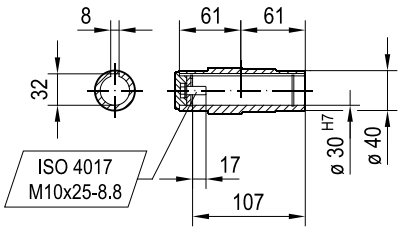
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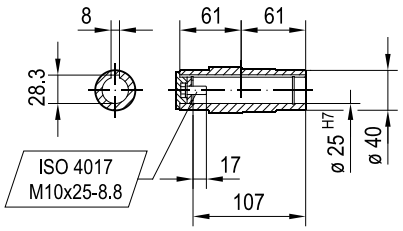
ø 200



ø 30 H7
DIN 6885-3



ø 25 H7

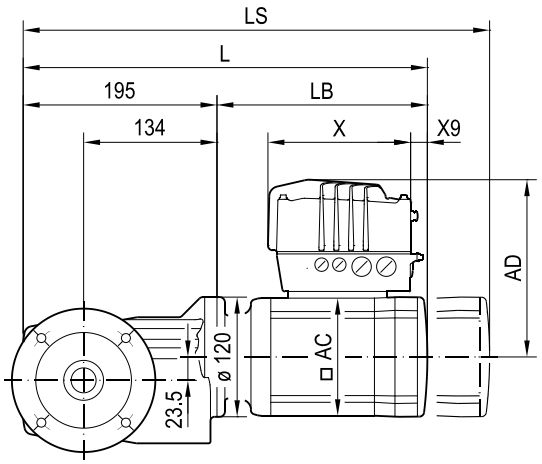


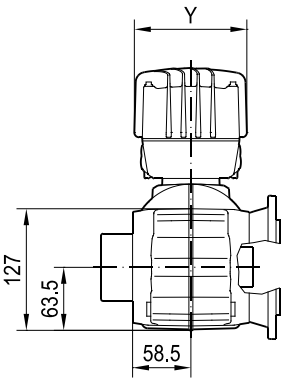
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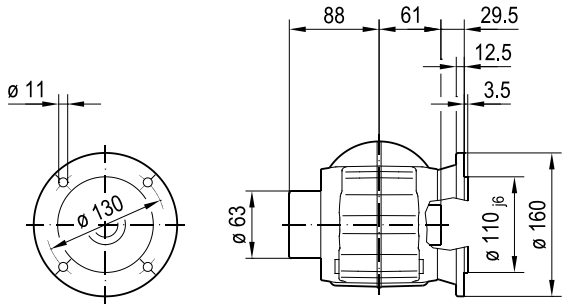
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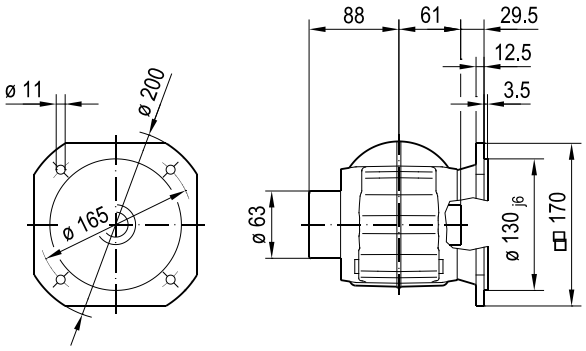


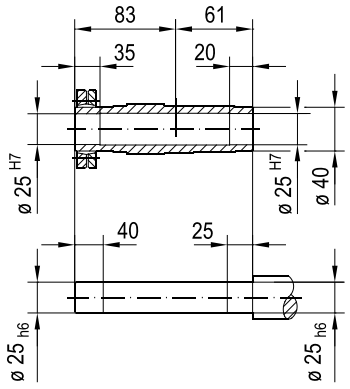


ø 160



ø 200



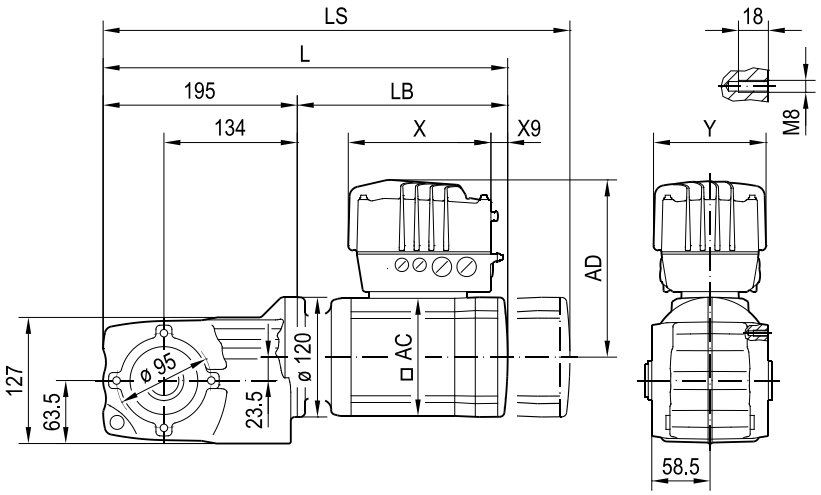


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X9	17/58	17/58						

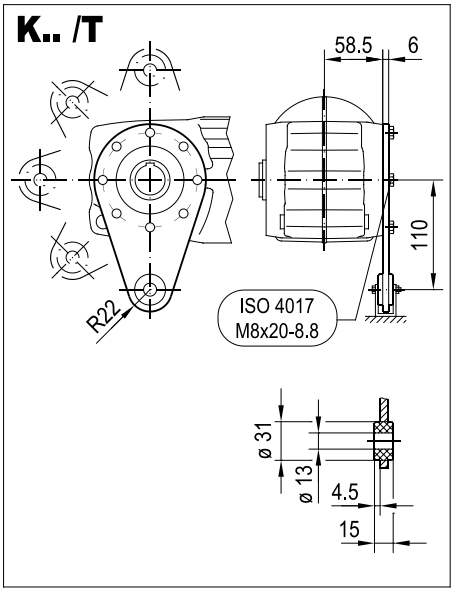
31546617/EN – 04/2026

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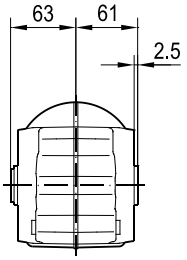
KA29..



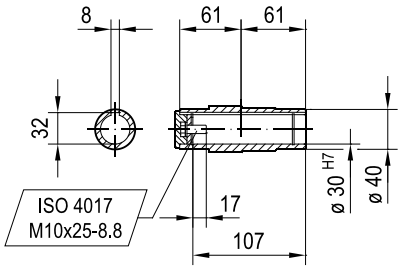
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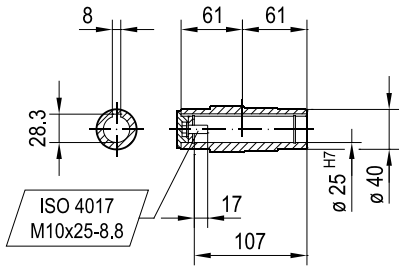
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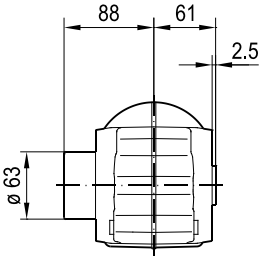
ø 30 H7
DIN 6885-3

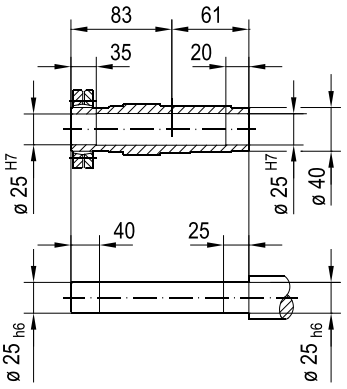


ø 25 H7



KH29..



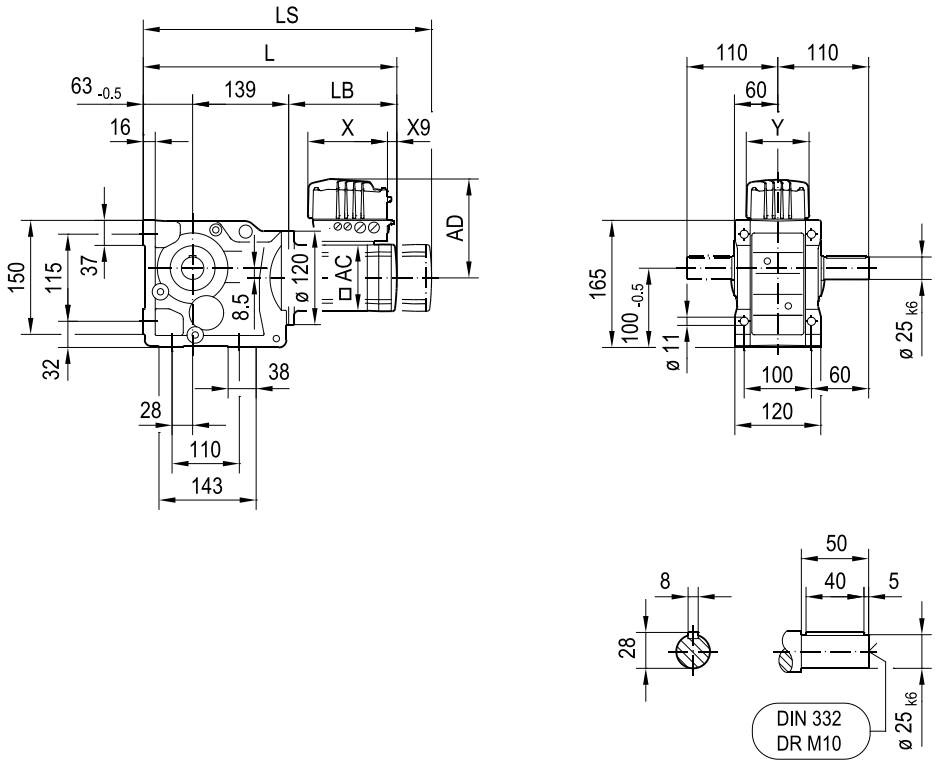


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33 123 00 20

K37..

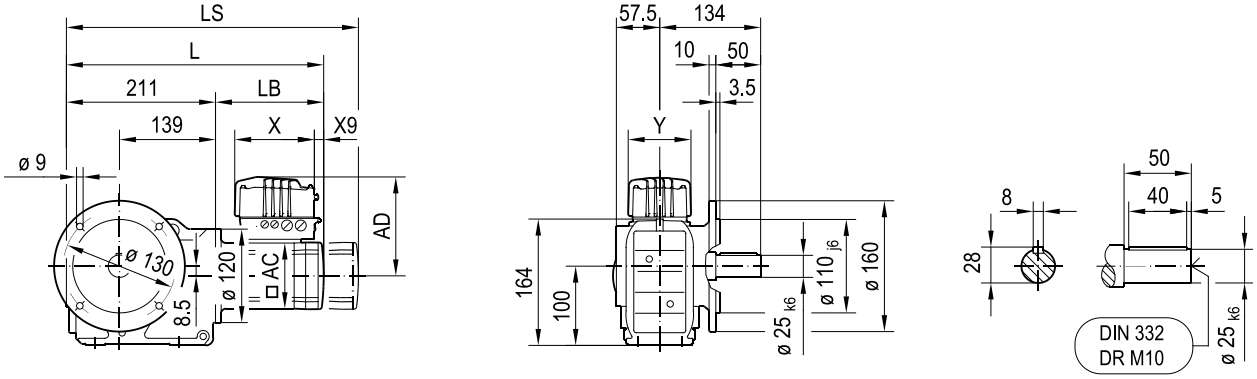


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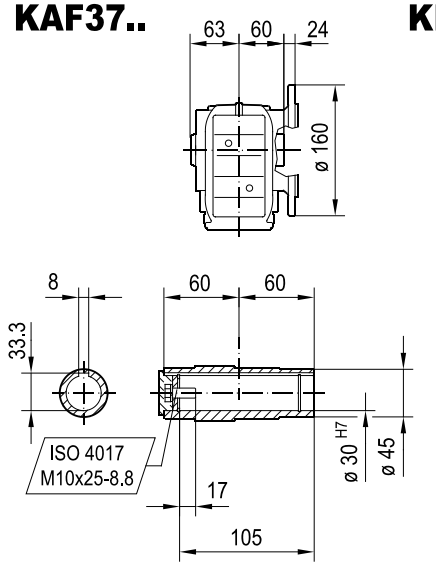
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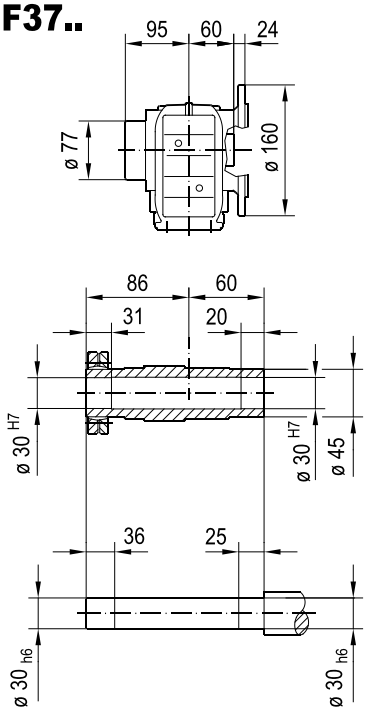
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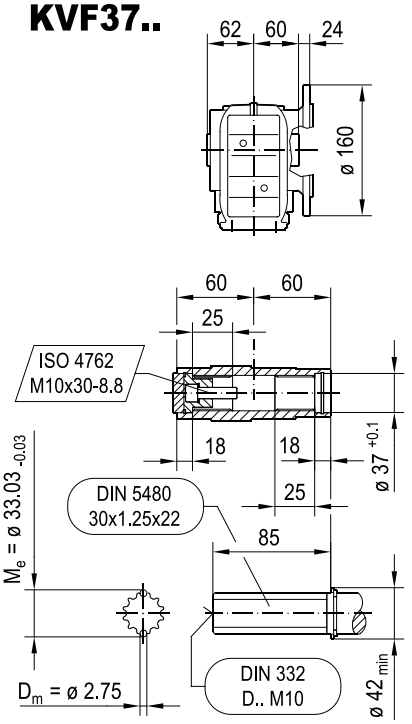
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KHF37..



KVF37..

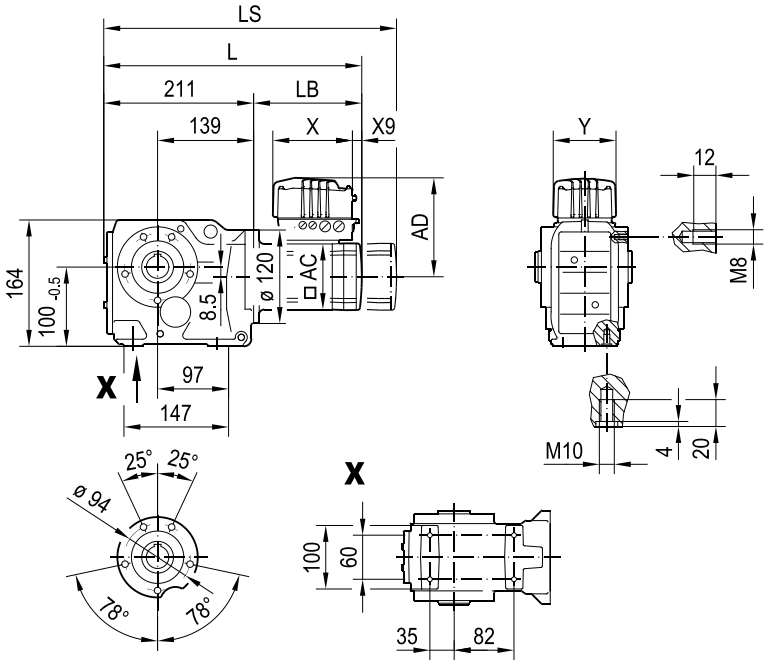


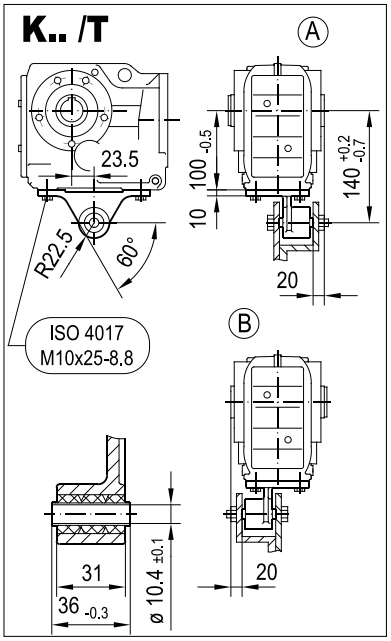
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31546617/EN – 04/2026

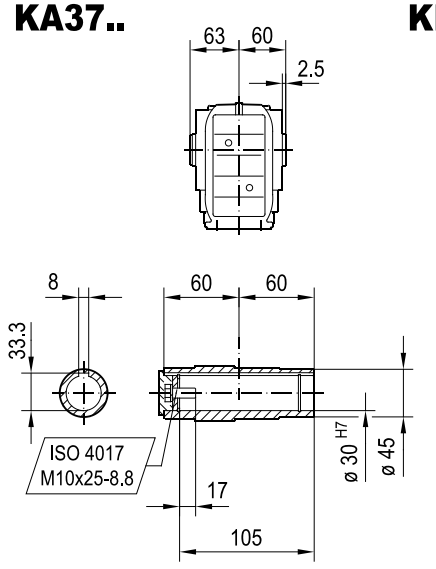
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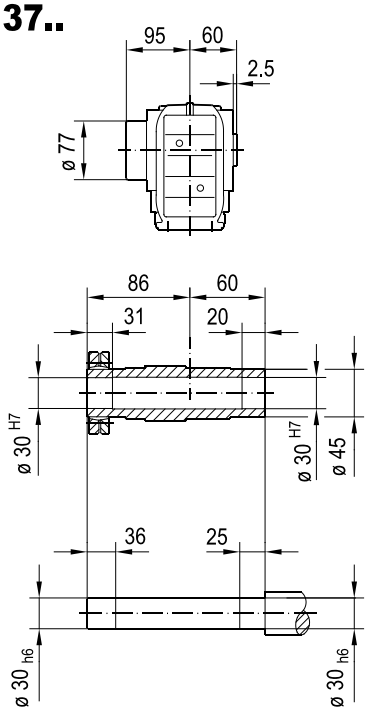




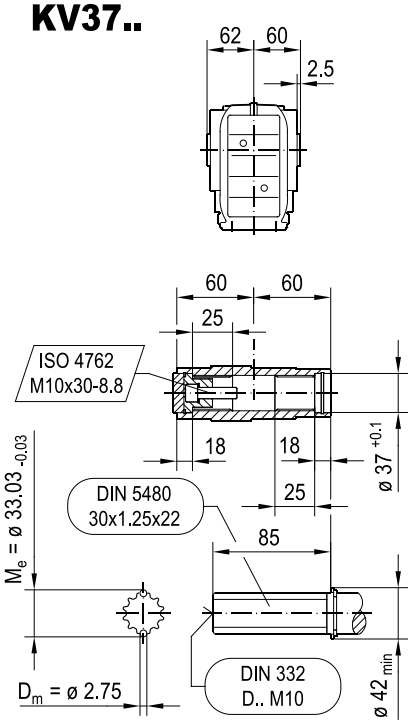
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KH37..



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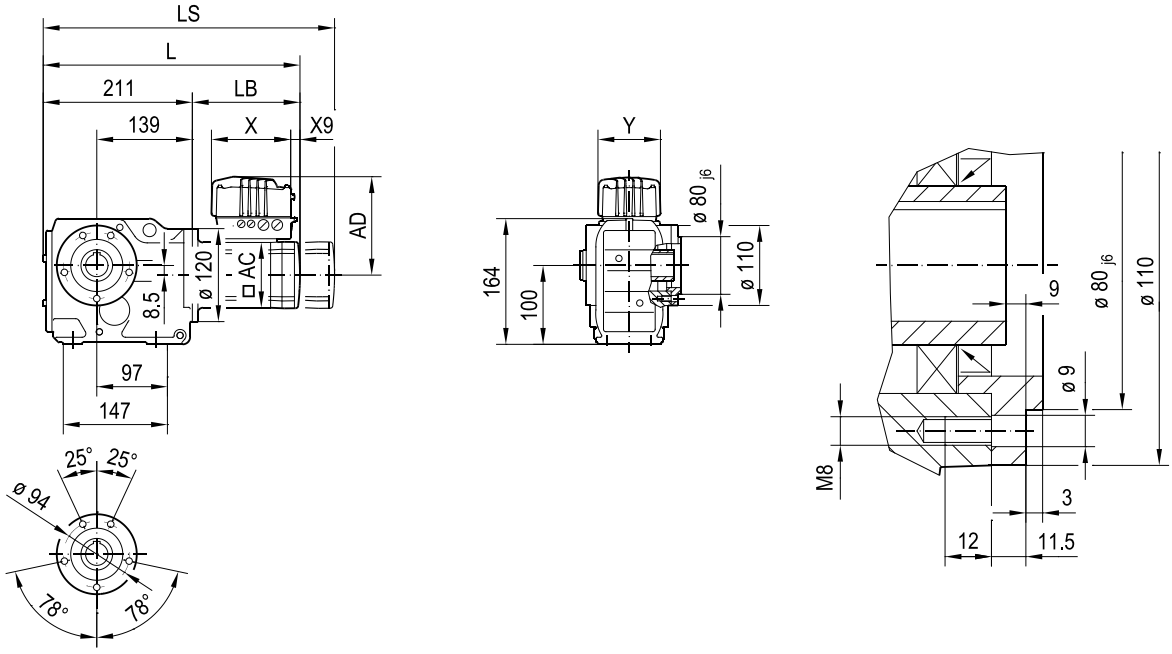


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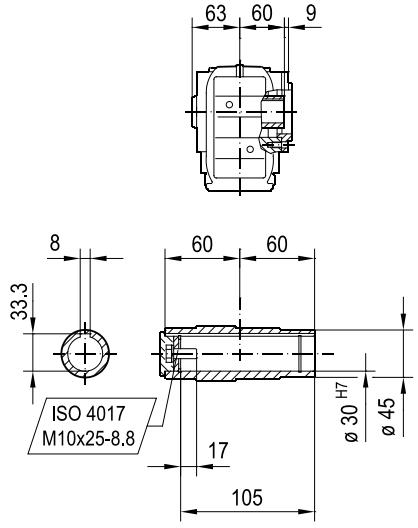
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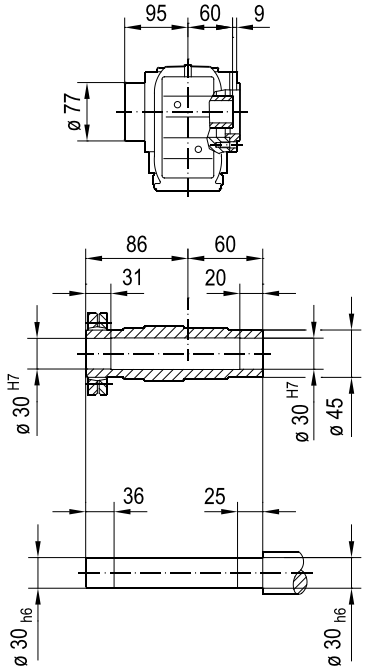
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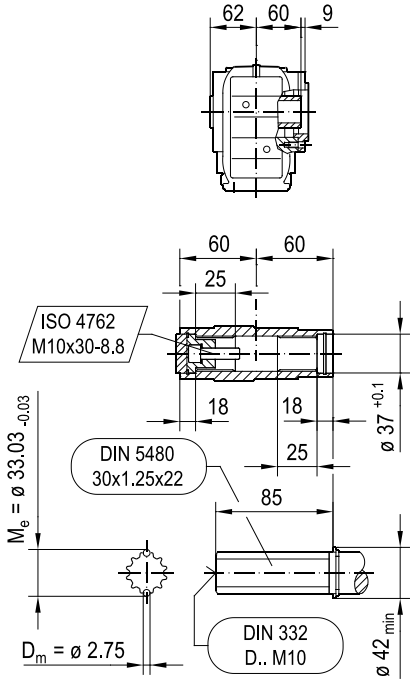
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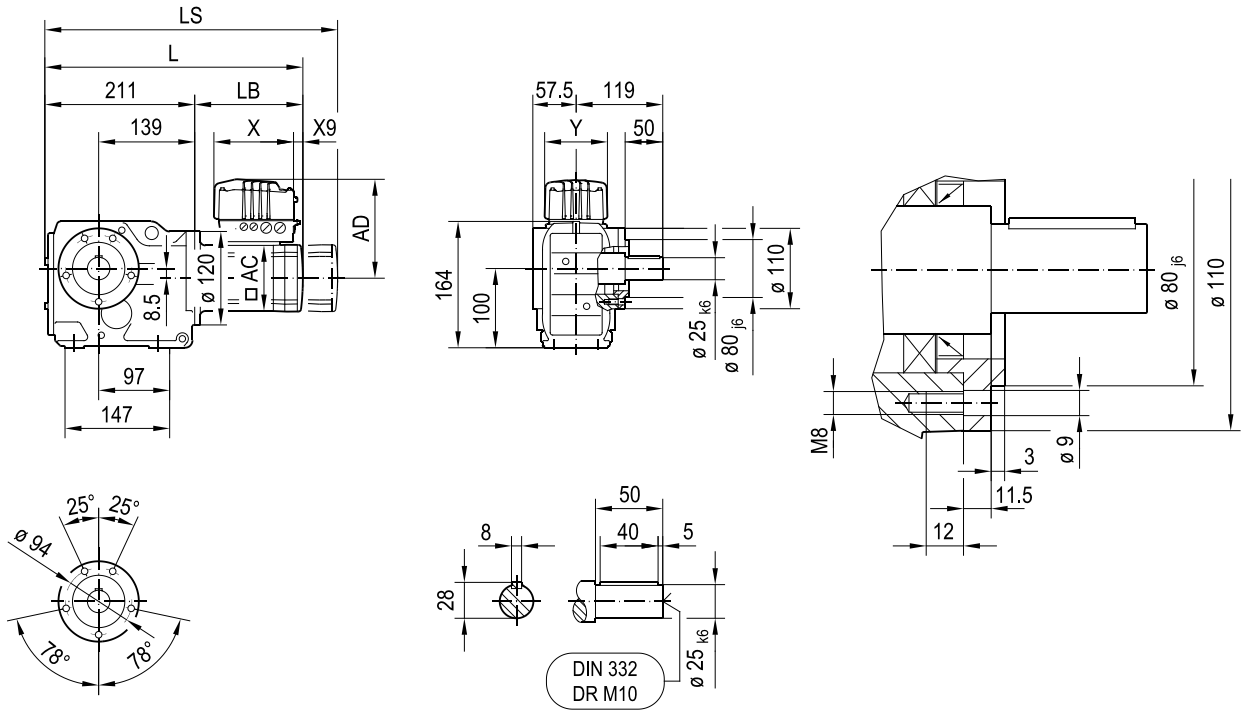


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31546617/EN – 04/2026

KZ37..

33 127 00 20

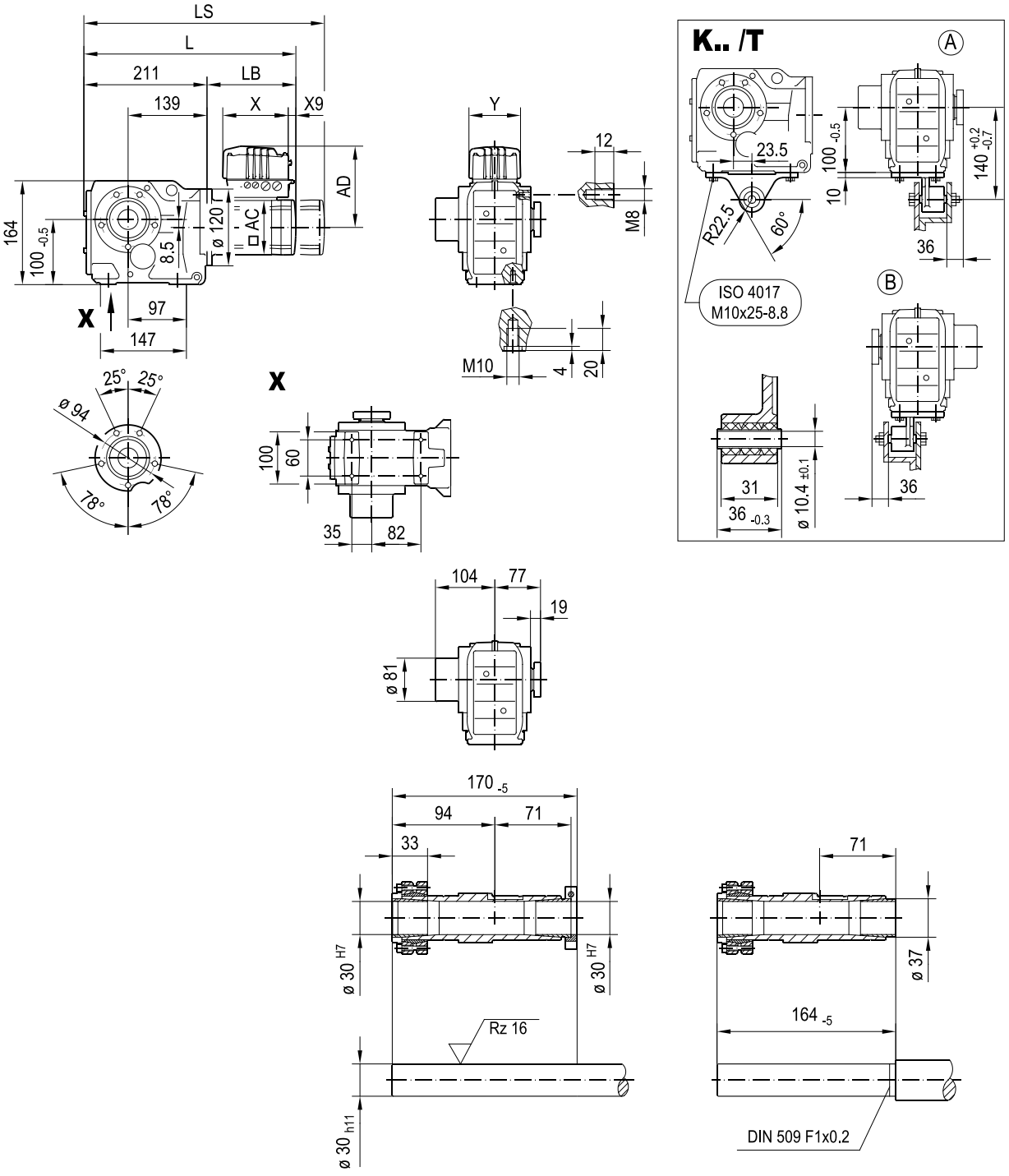


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31546617/EN – 04/2026

KT37..

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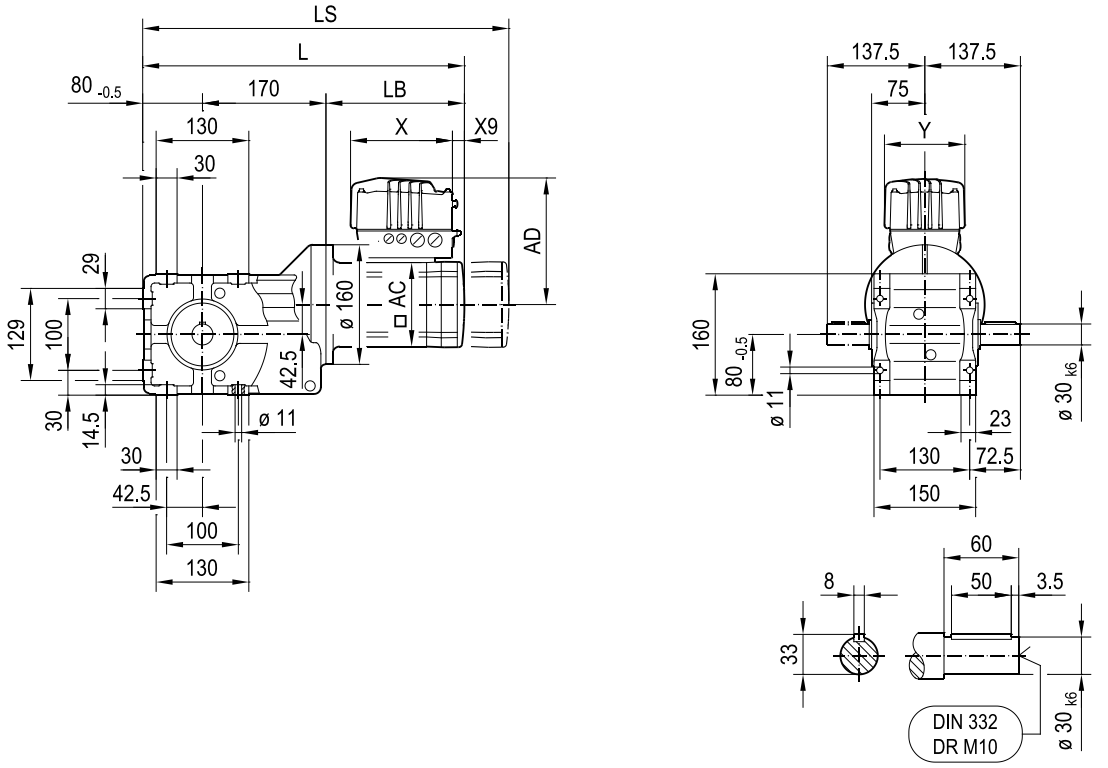


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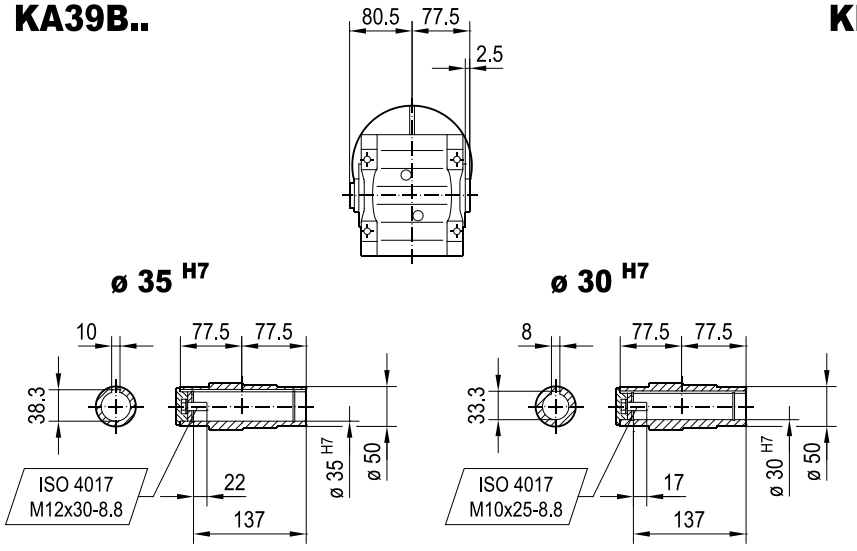
31546617/EN – 04/2026

K39..

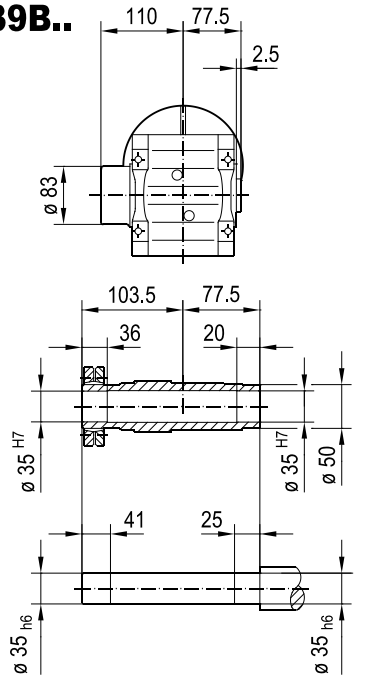
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KA39B..



KH39B..

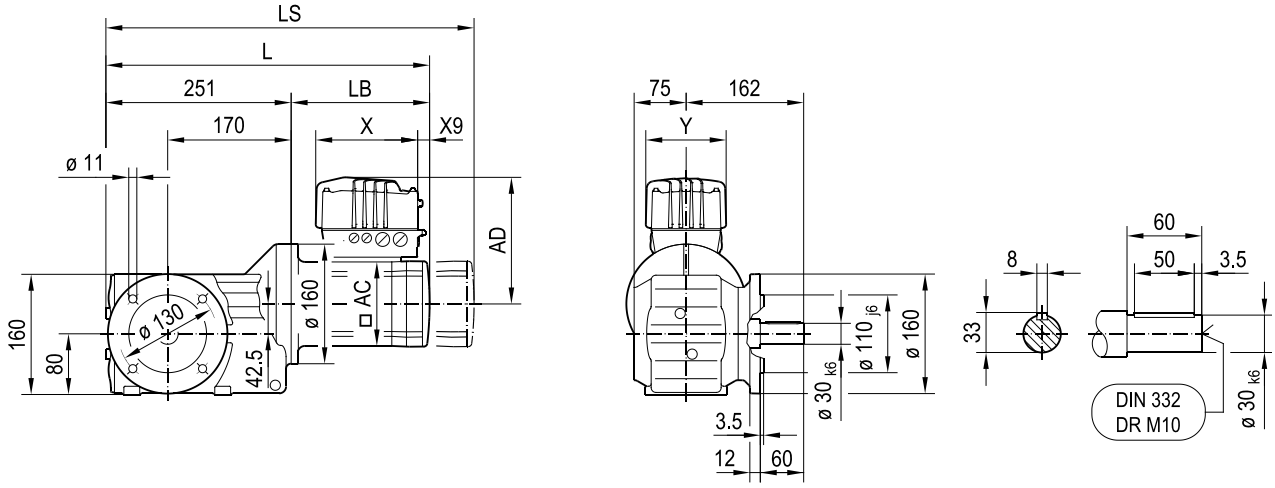


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	512	512	538					
LS	553	553	579					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

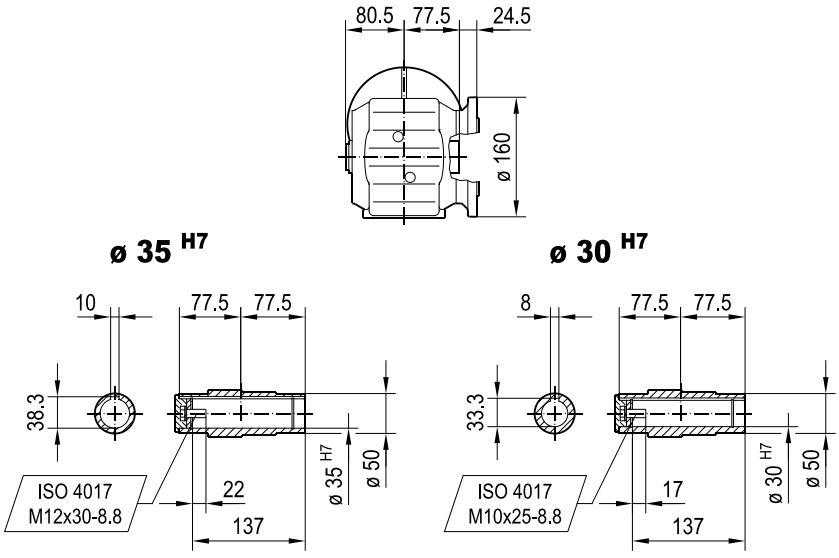
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KF39..

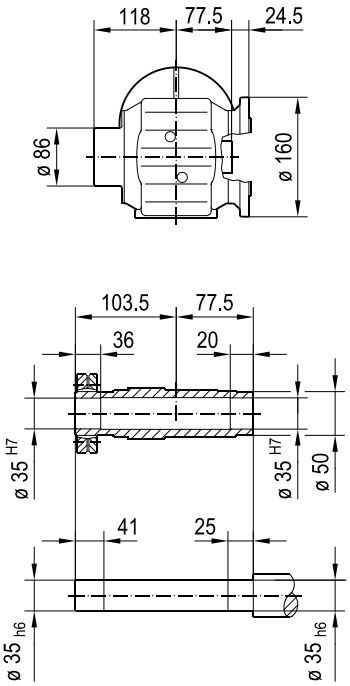
33 130 00 20



KAF39..



KHF39..

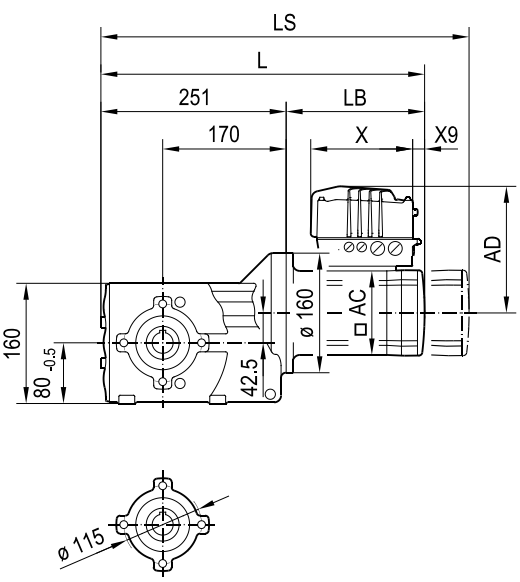


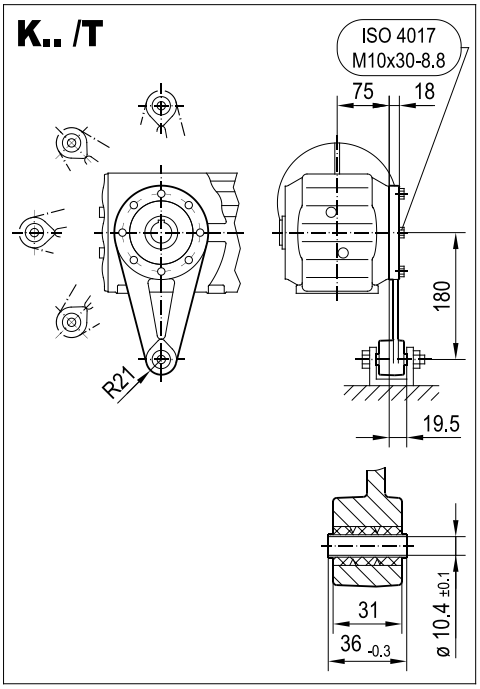
	CM3C/CM3P../D							
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AC	140	140	140					
AD	229	249	249					
L	513	513	539					
LS	554	554	580					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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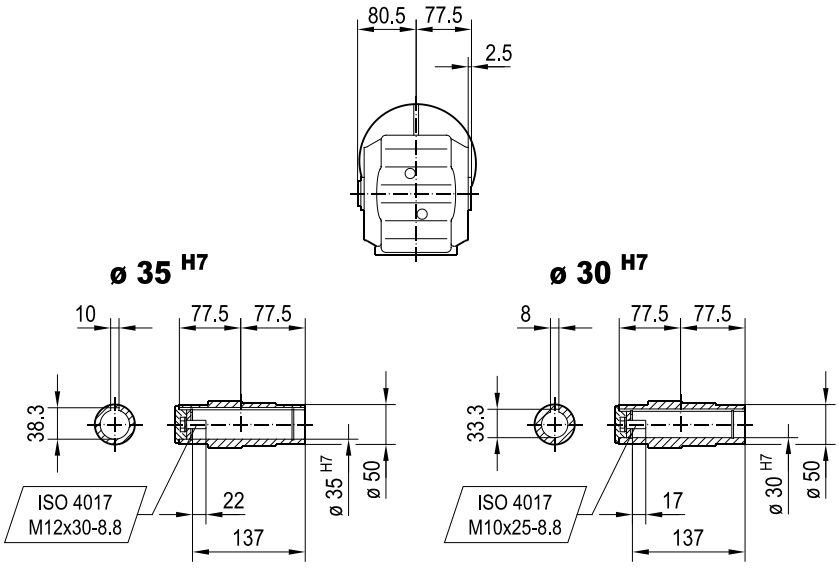
KA39..

33 131 00 20

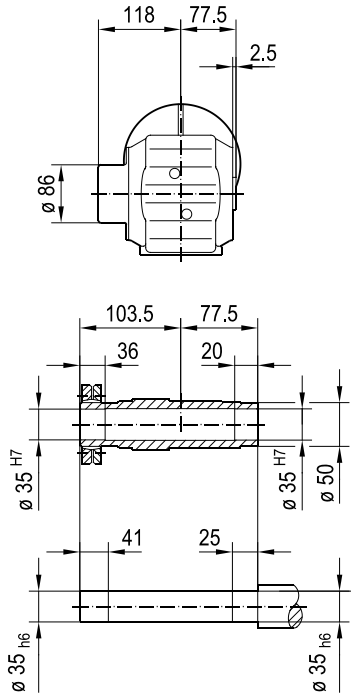




KA39..



KH39..

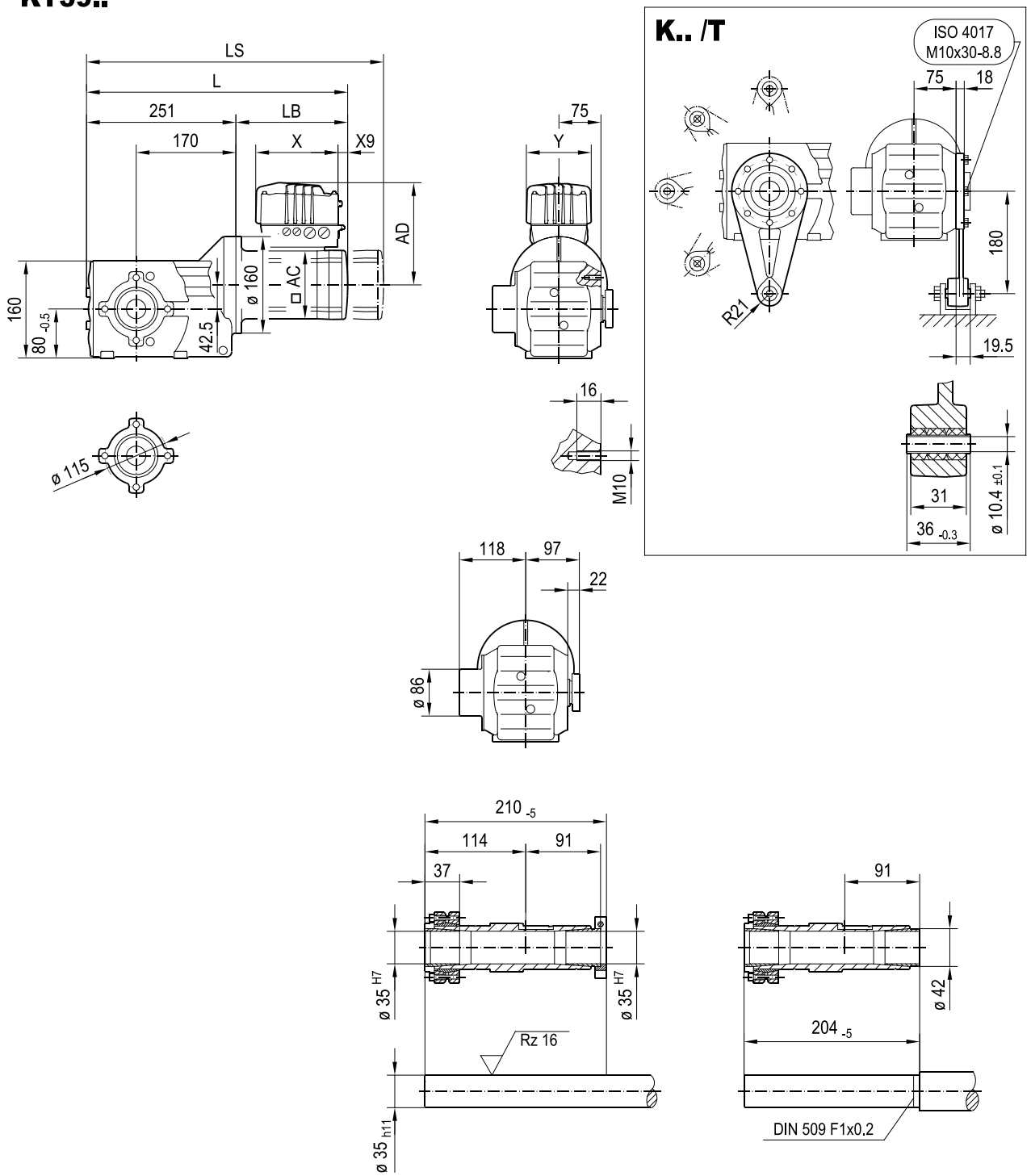


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	513	513	539					
LS	554	554	580					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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KT39..

33 132 01 20

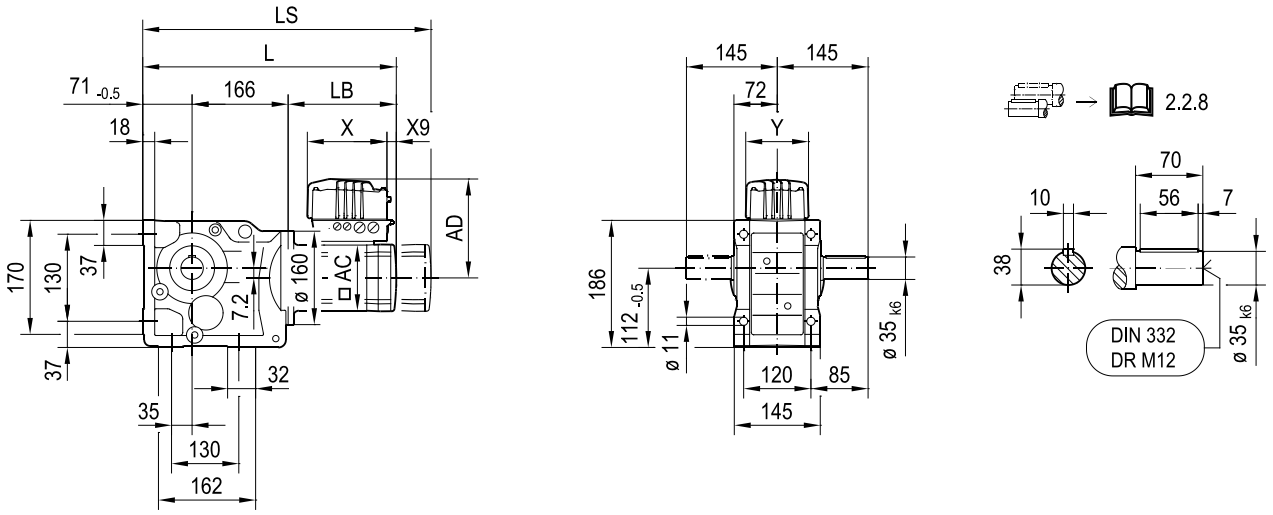


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	513	513	539					
LS	554	554	580					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

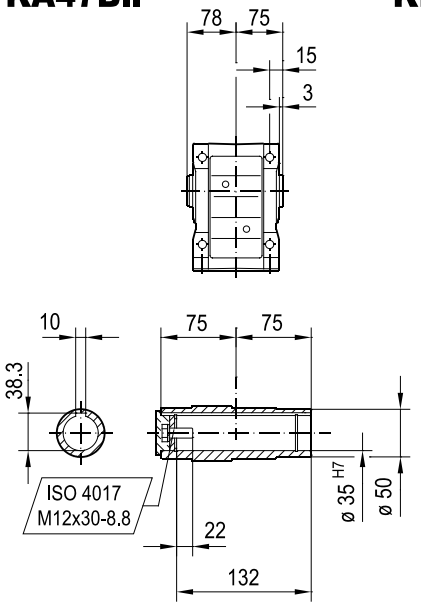
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33 133 01 20

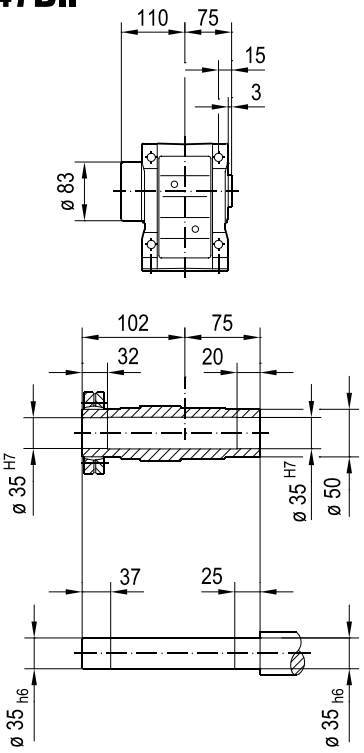
K47..



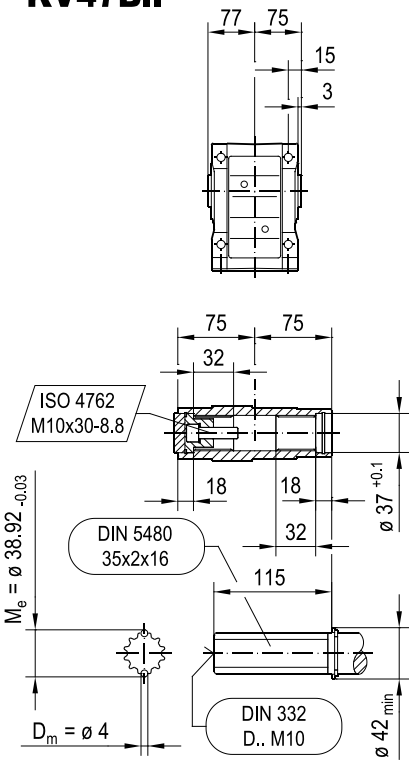
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KH47B..



KV47B..

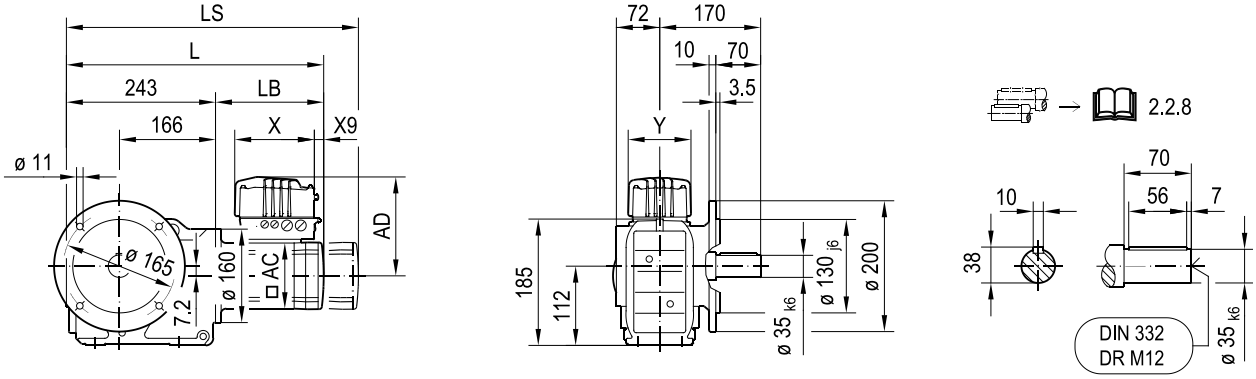


	CM3C/CM3P../D							
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AC	140	140	140					
AD	229	249	249					
L	499	499	525					
LS	540	540	566					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

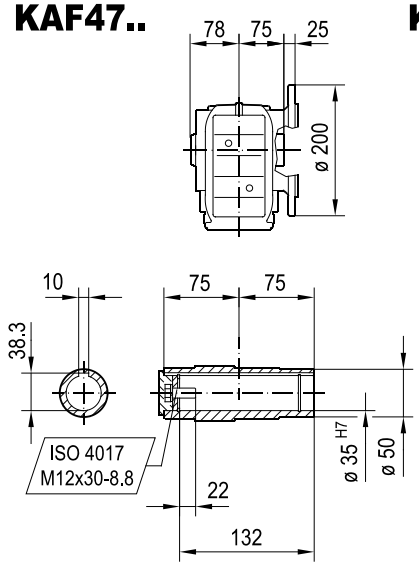
31546617/EN – 04/2026

33 134 01 20

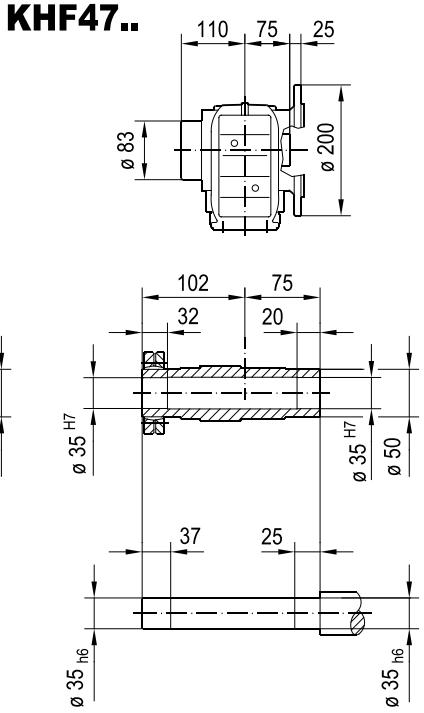
KF47..



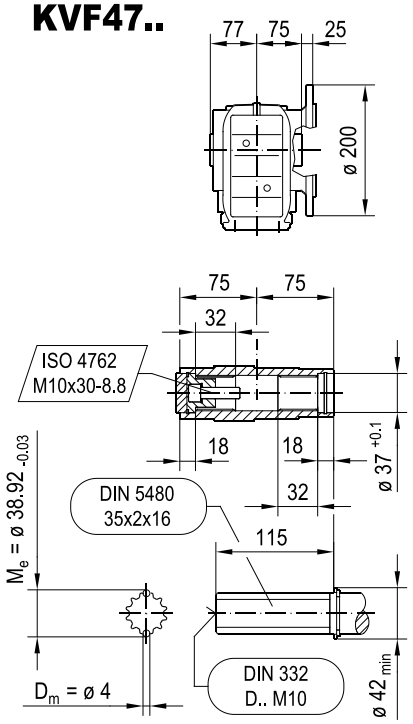
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KHF47..



KVF47..

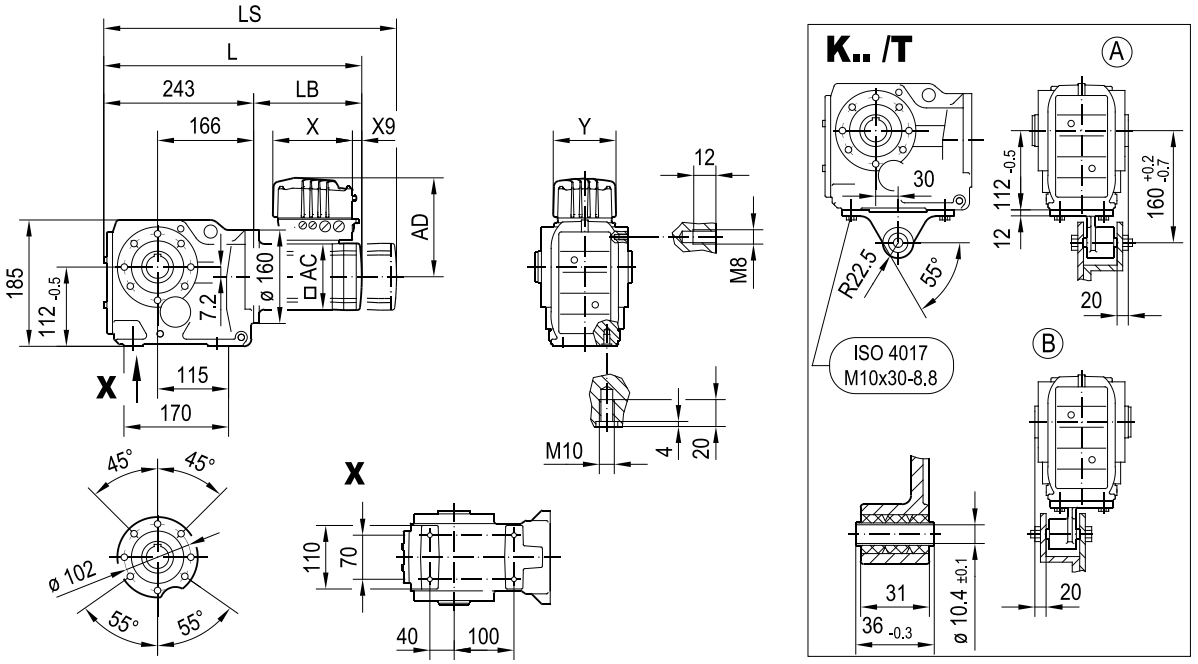


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	505	505	531					
LS	546	546	572					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

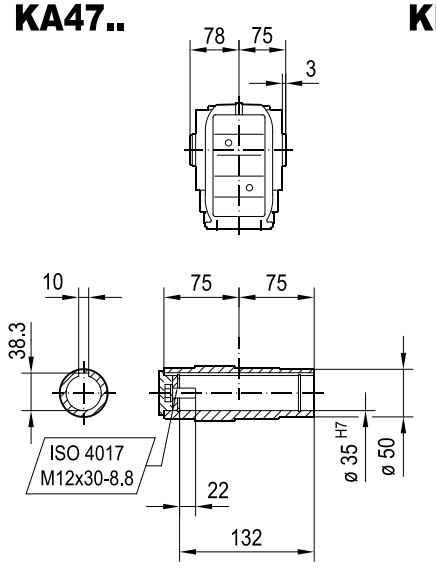
31546617/EN – 04/2026

KA47..

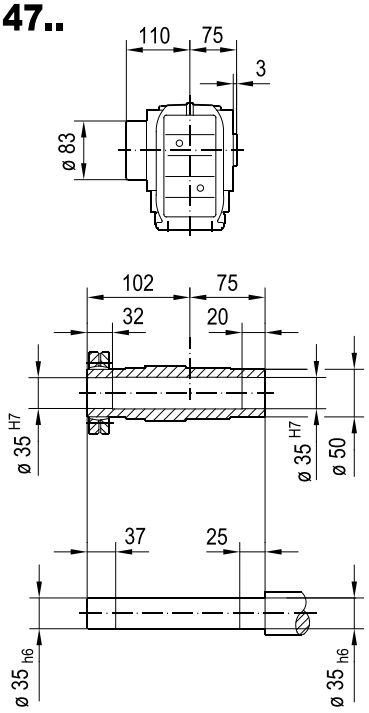
33 135 00 20



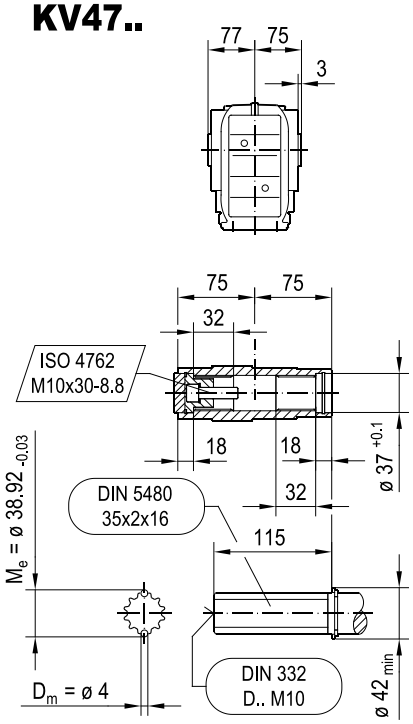
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KH47..



KV47..

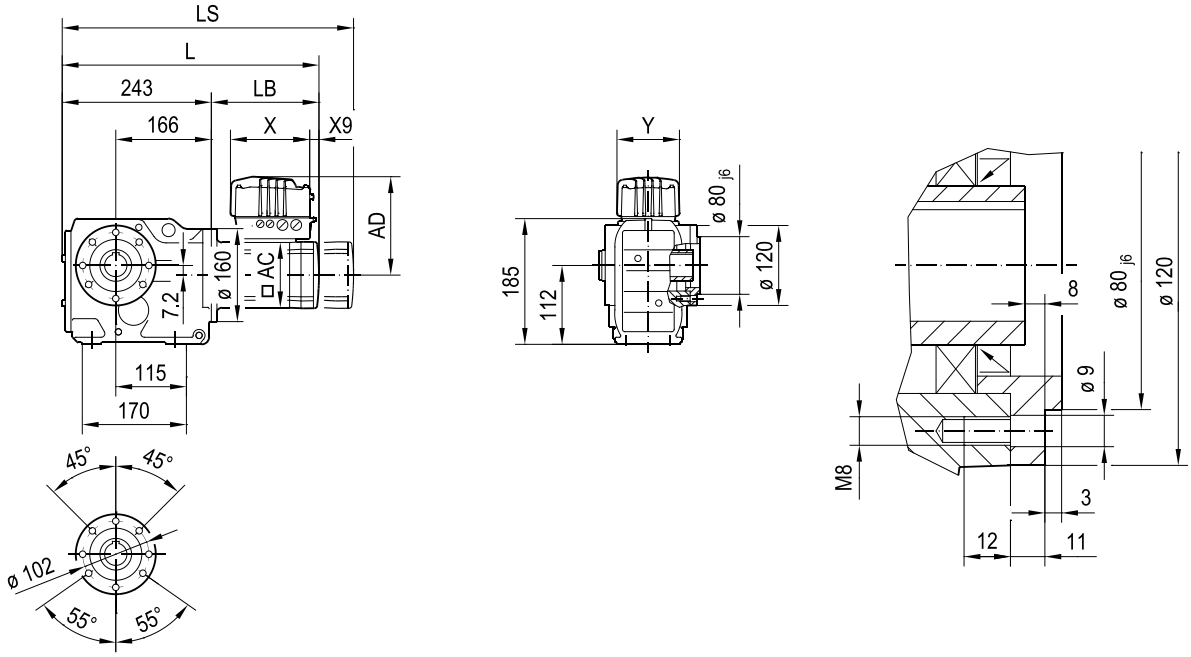


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	505	505	531					
LS	546	546	572					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

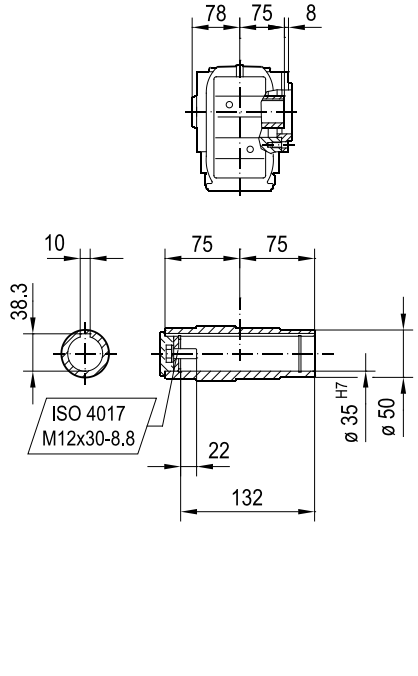
31546617/EN – 04/2026

33 136 00 20

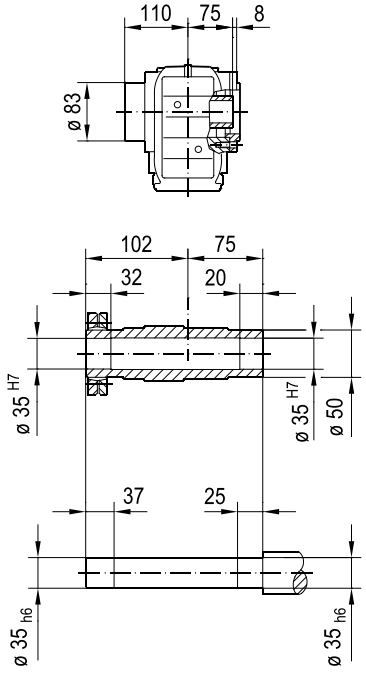
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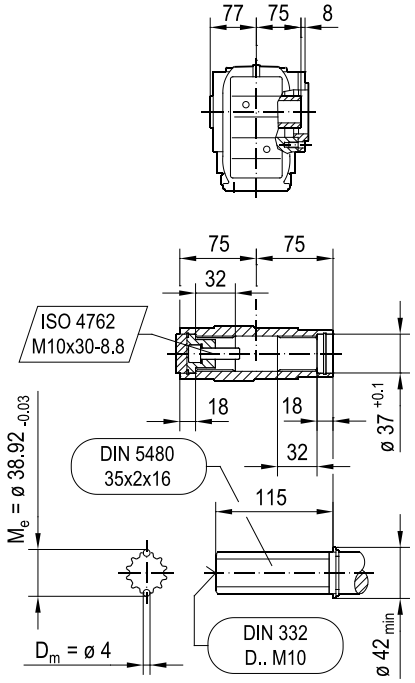
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KHZ47..



KVZ47..

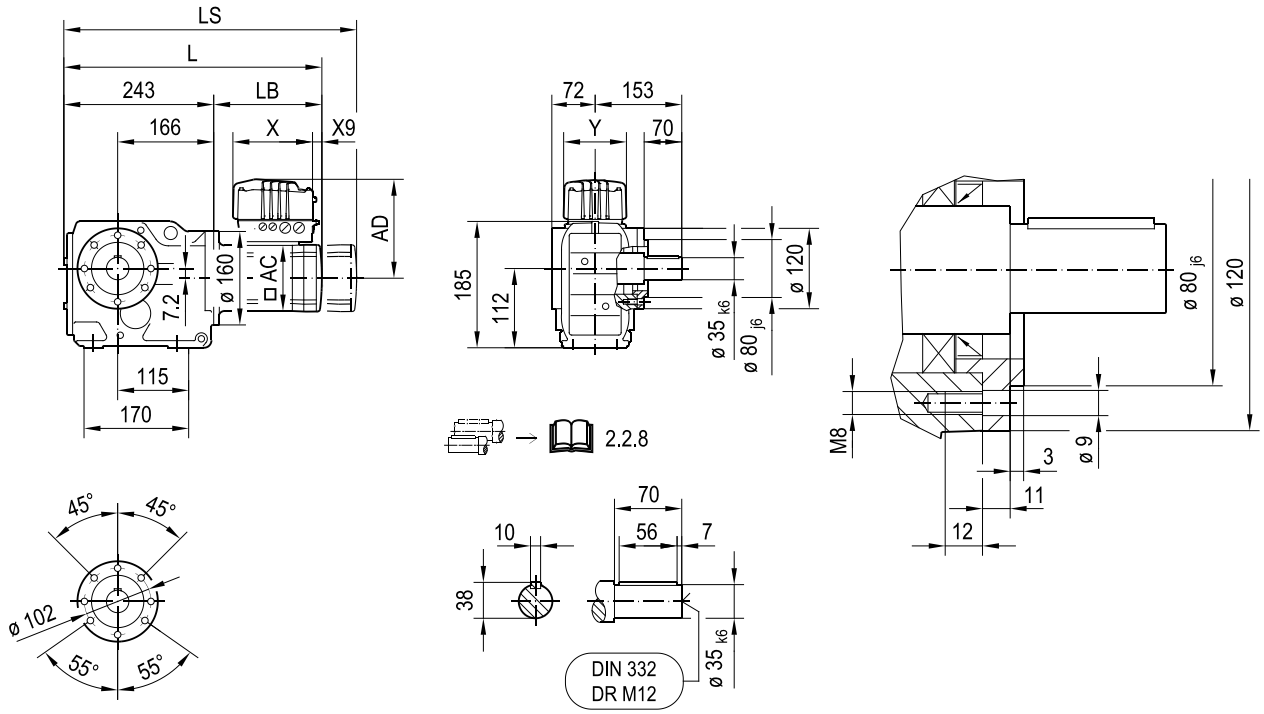


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	505	505	531					
LS	546	546	572					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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KZ47..

33 137 01 20

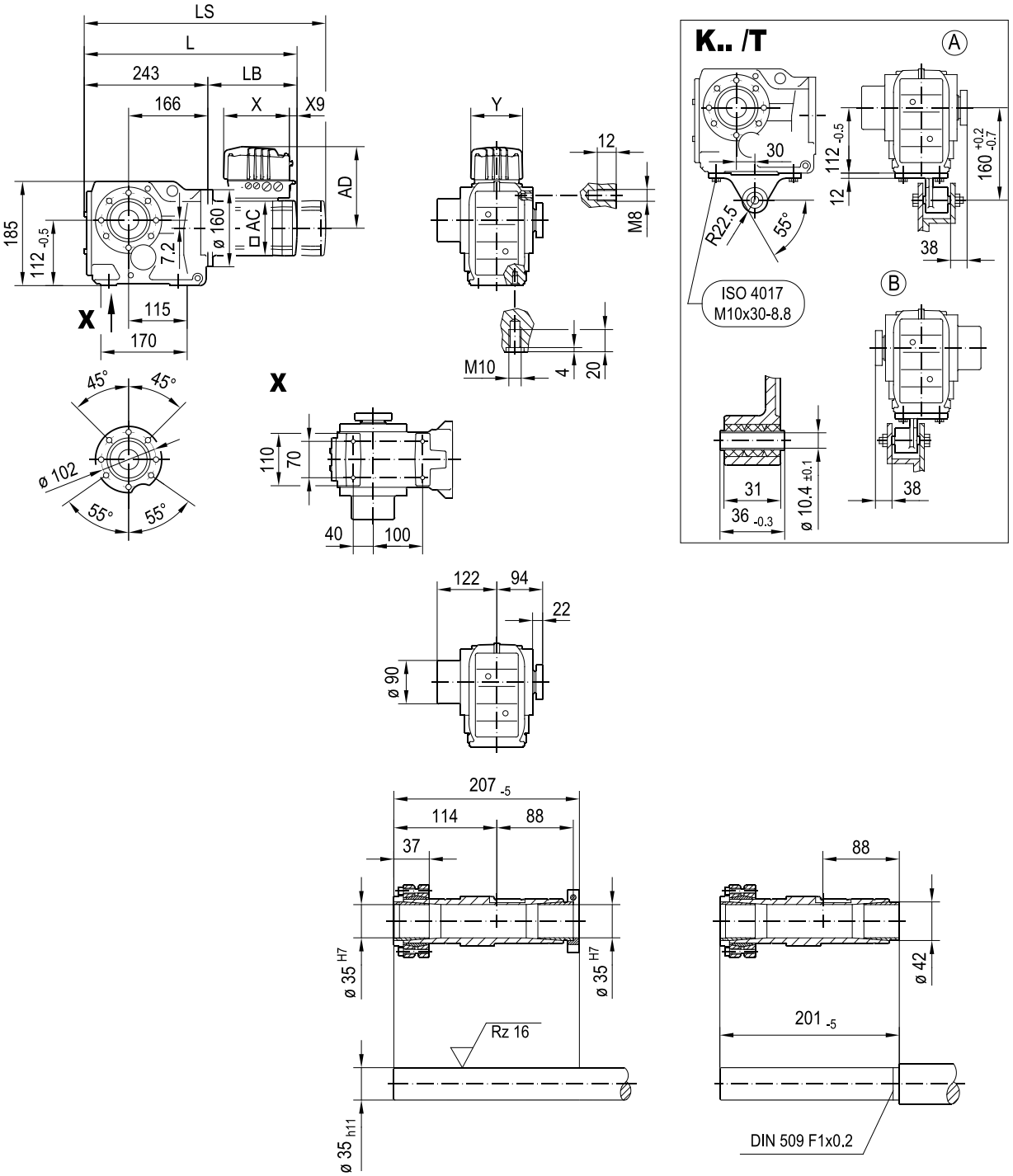


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	505	505	531					
LS	546	546	572					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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KT47..

33 138 00 20

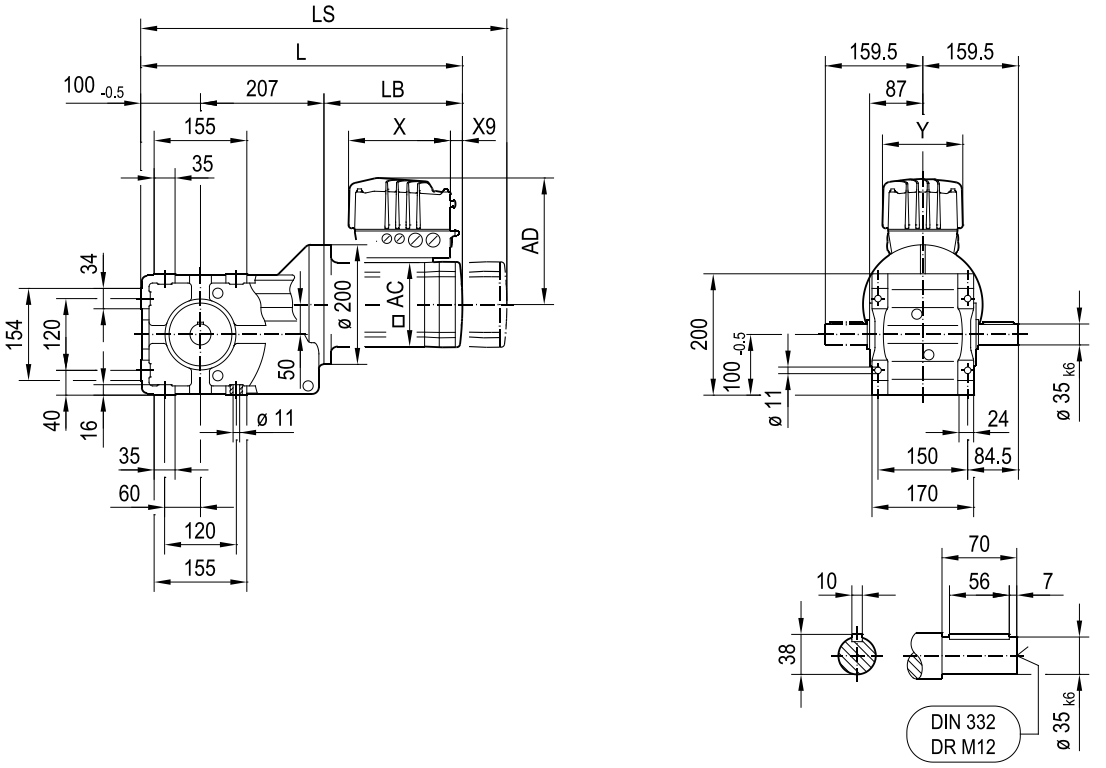


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	505	505	531					
LS	546	546	572					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

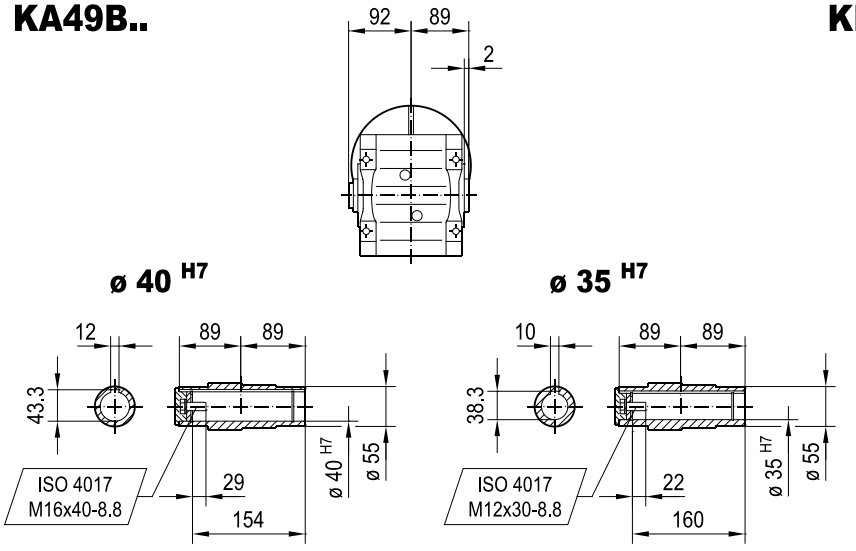
31546617/EN – 04/2026

K49..

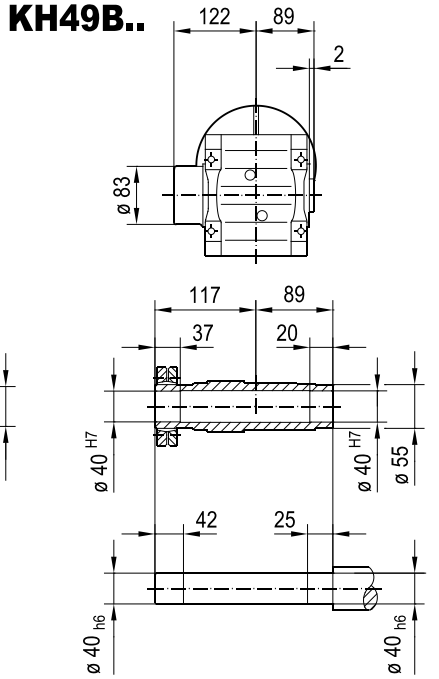
33 139 00 20



KA49B..



KH49B..

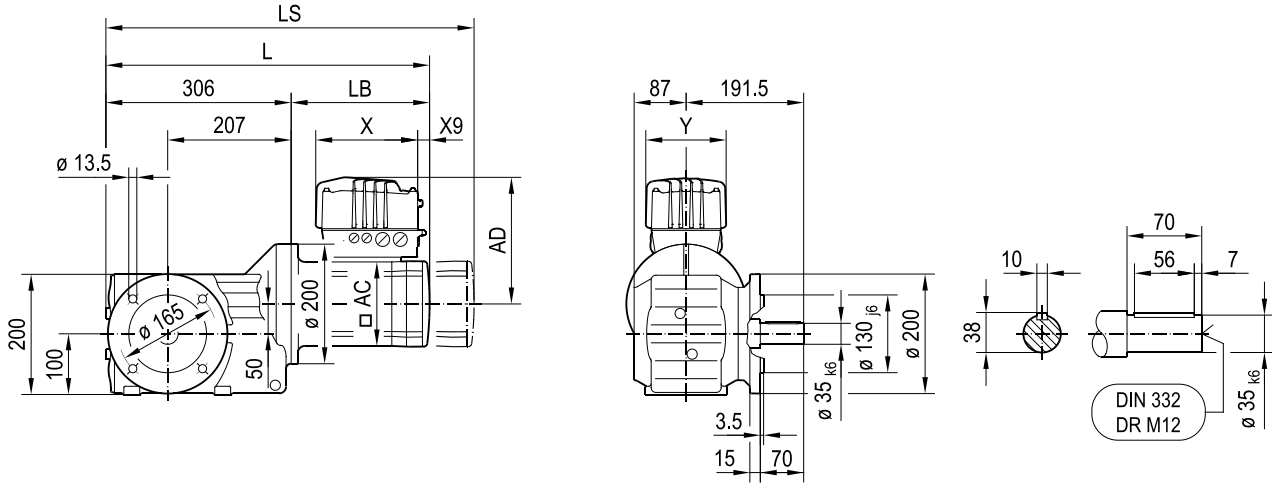


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	561	561	587	720	720			
LS	602	602	628	744	744			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

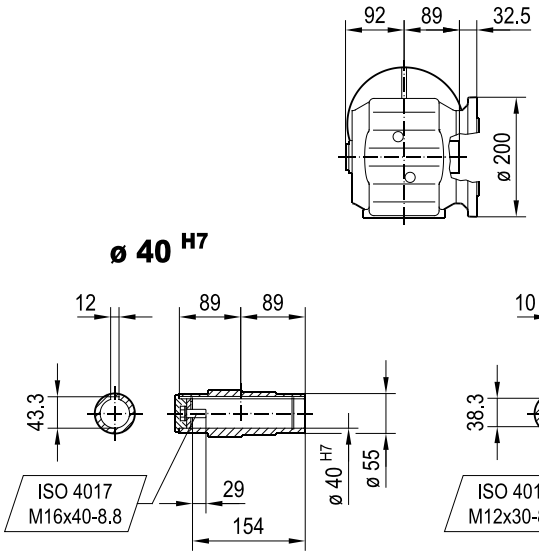
31546617/EN – 04/2026

KF49..

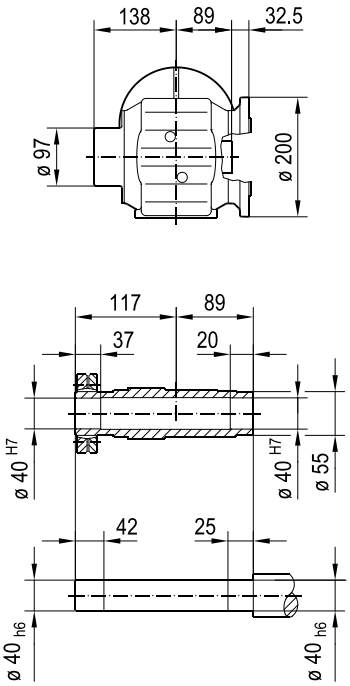
33 140 00 20



KAF49..



KHF49..

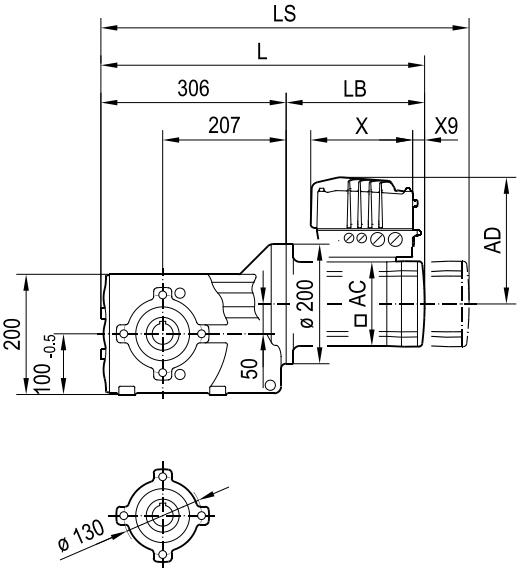


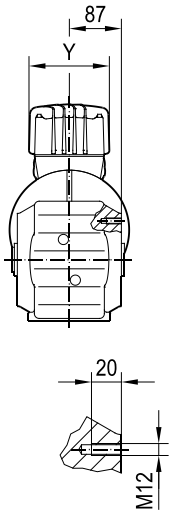
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	560	560	586	719	719			
LS	601	601	627	743	743			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

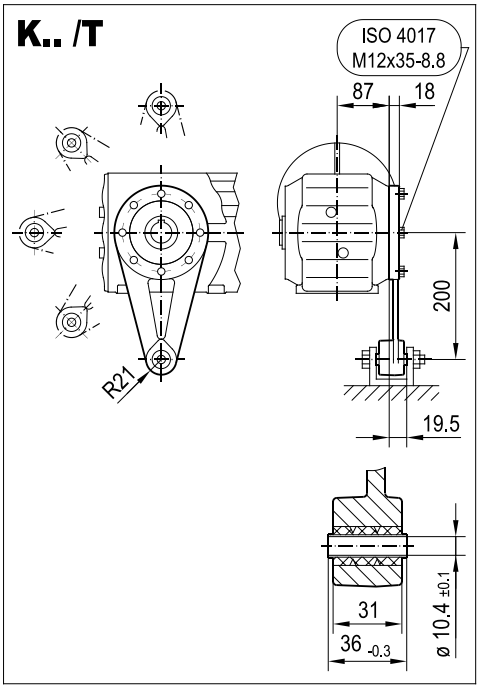
31546617/EN – 04/2026

KA49..

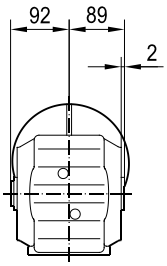
33 141 00 20



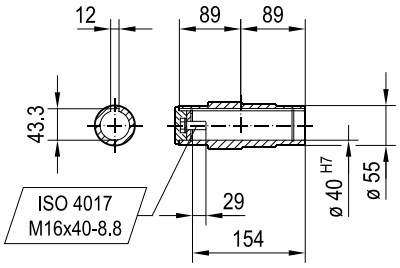




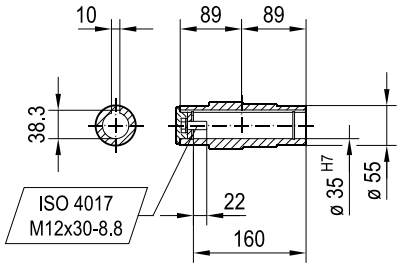
KA49..



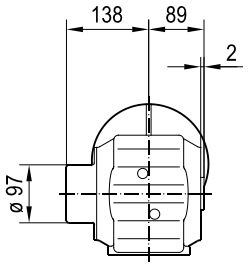
ø 40 H7

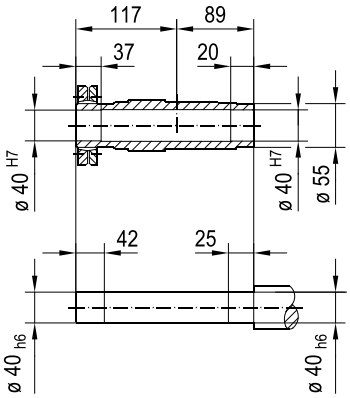


ø 35 H7



KH49..



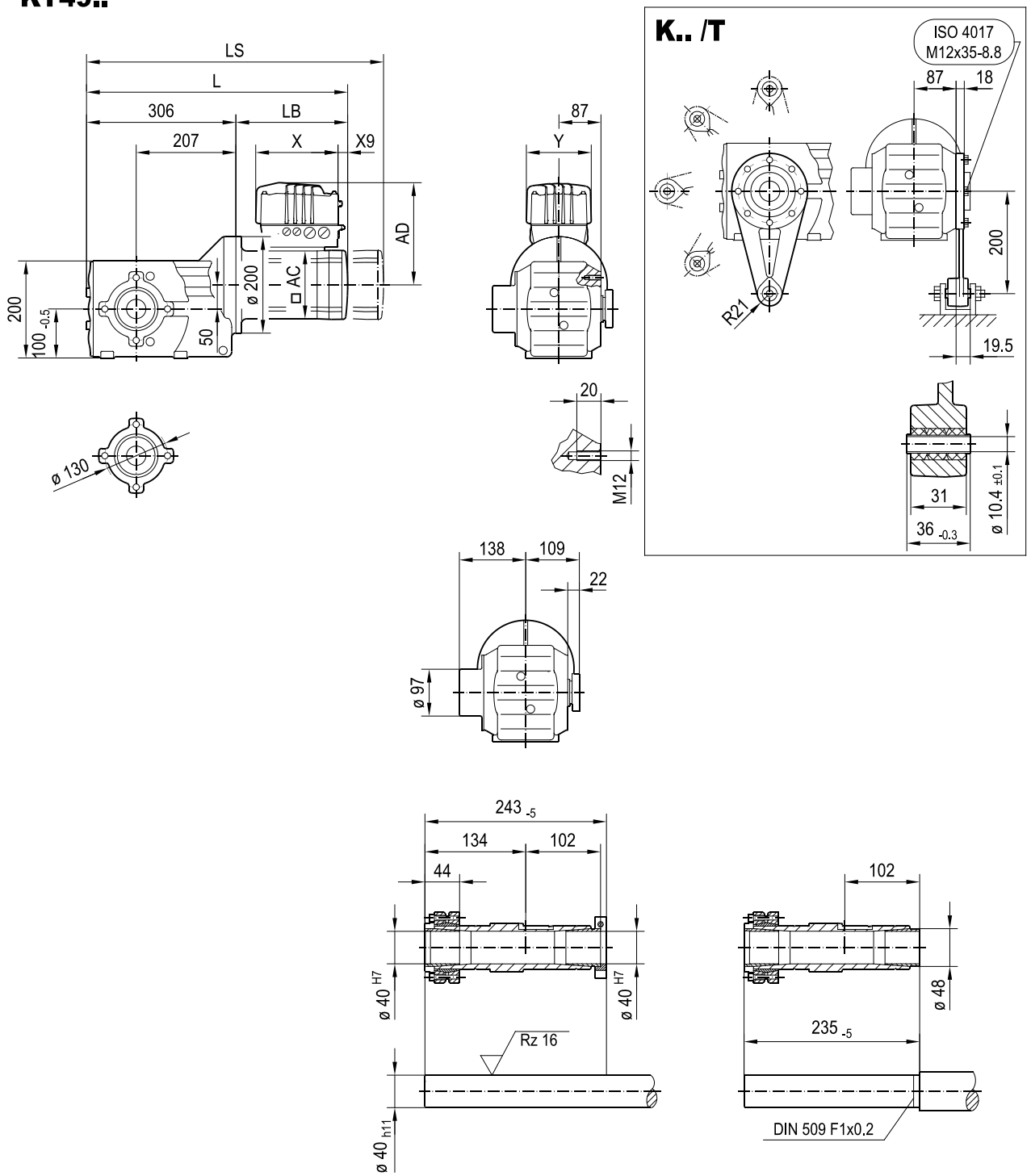


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	560	560	586	719	719			
LS	601	601	627	743	743			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KT49..

33 142 01 20

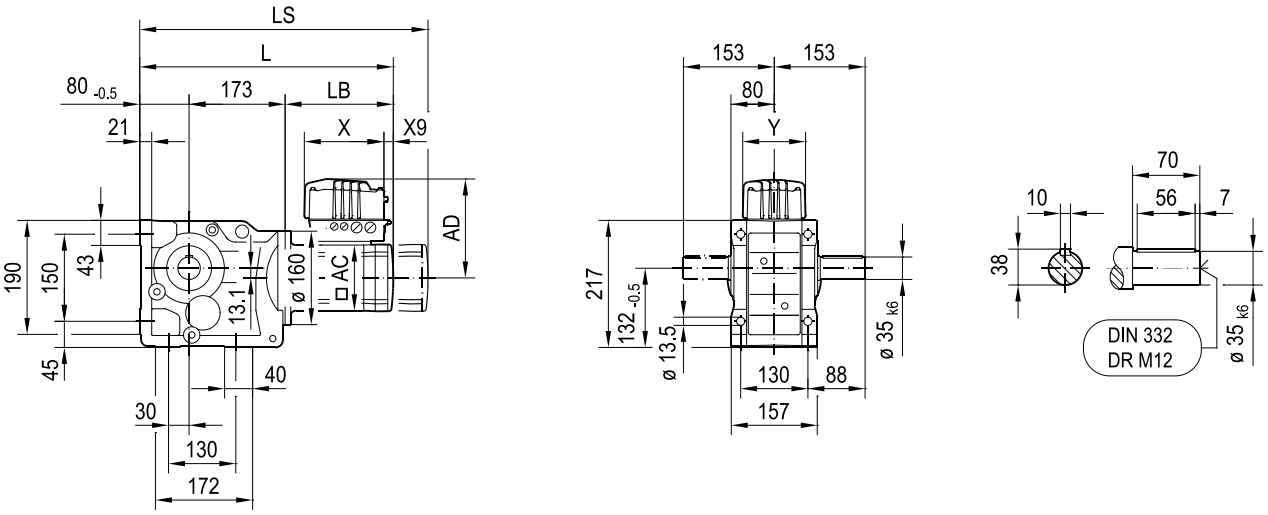


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	560	560	586	719	719			
LS	601	601	627	743	743			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

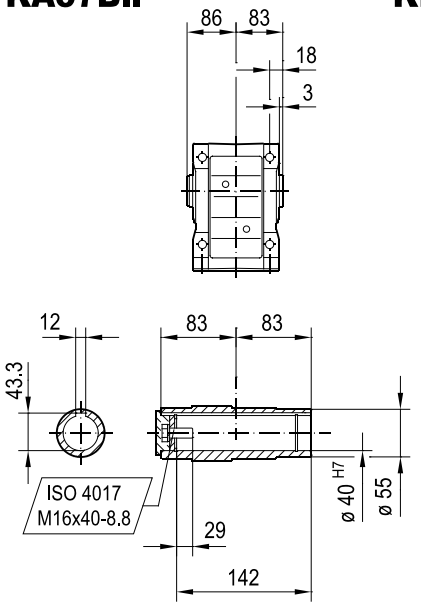
31546617/EN – 04/2026

33 143 00 20

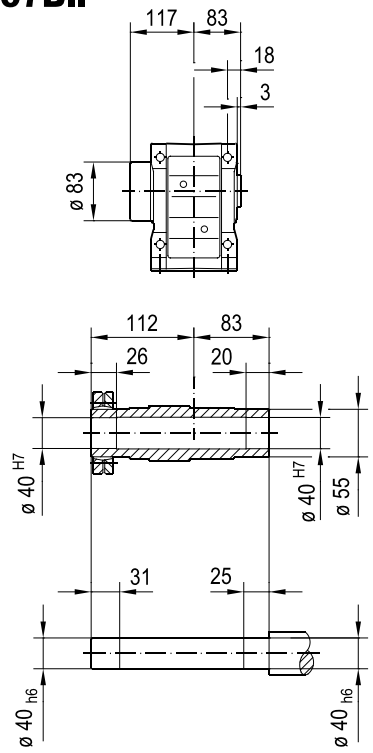
K57..



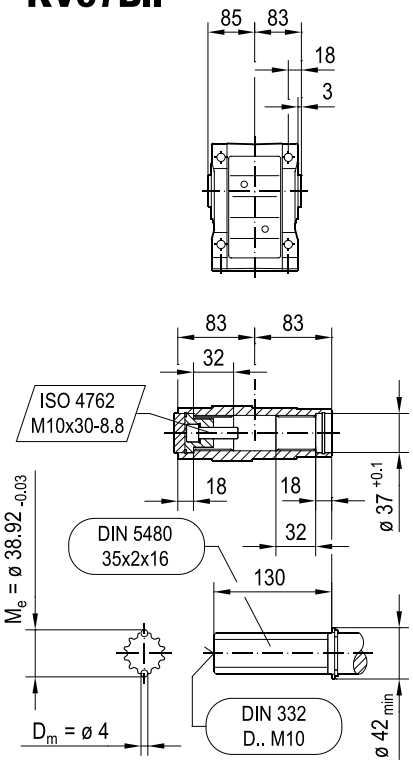
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KH57B..



KV57B..

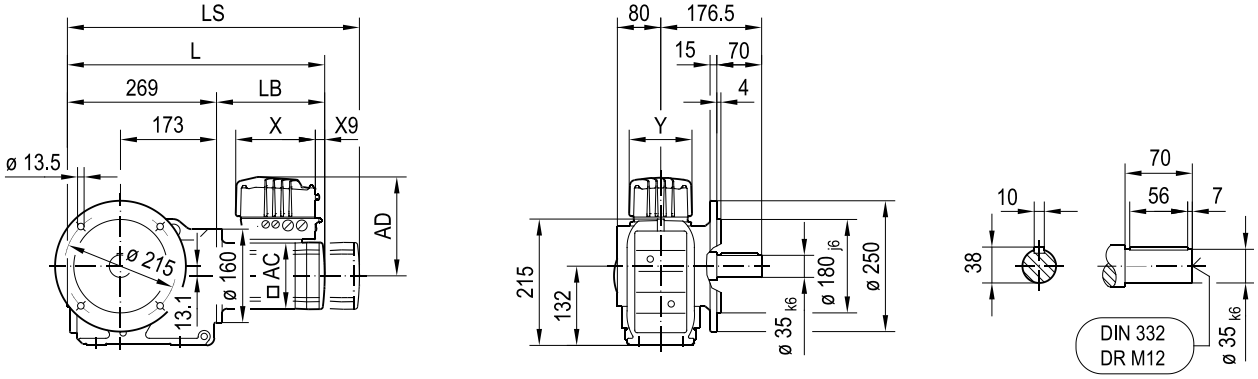


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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	515	515	541	677	677			
LS	556	556	582	701	701			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

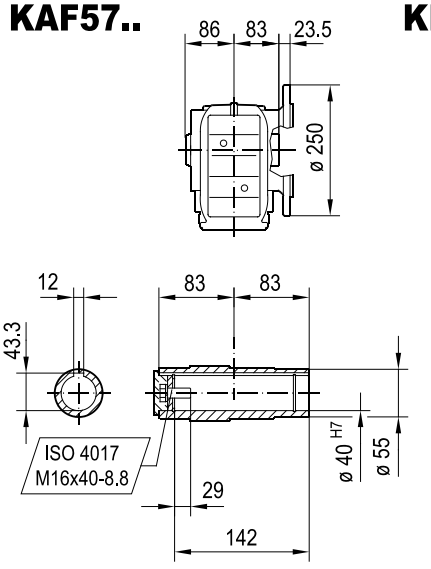
31546617/EN – 04/2026

33 144 00 20

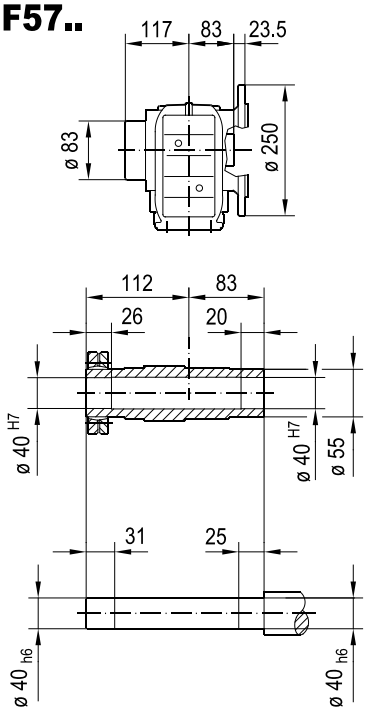
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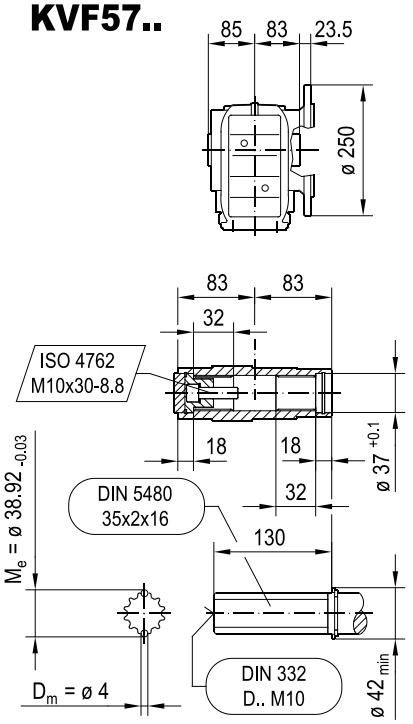
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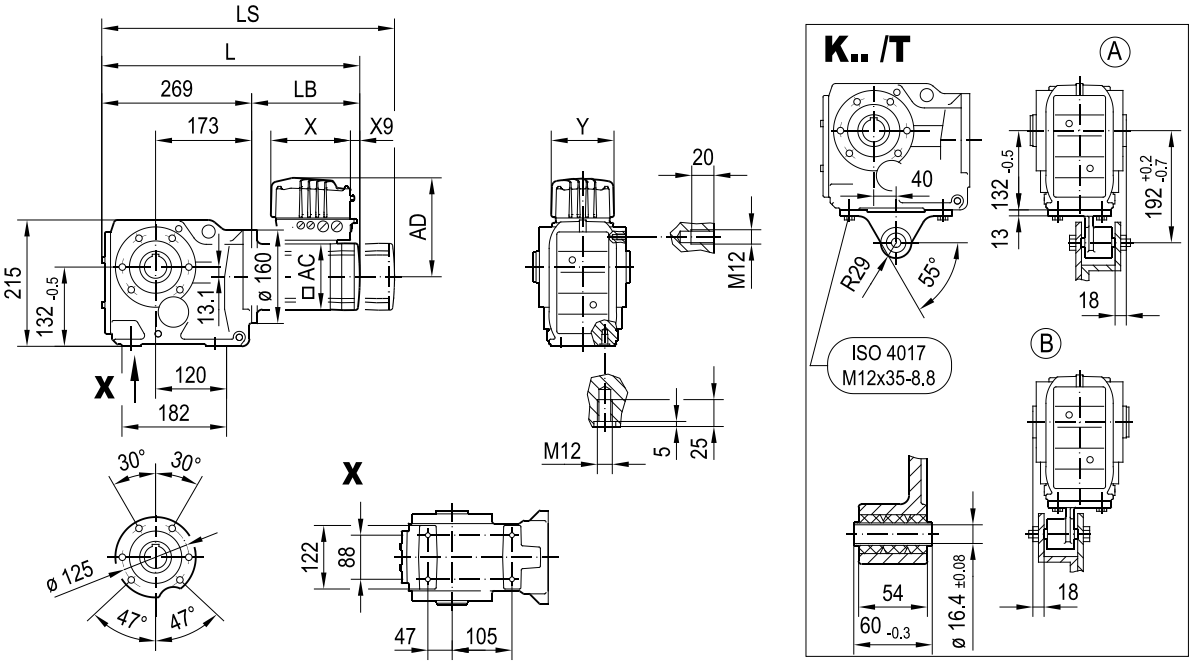


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	531	531	557	693	693			
LS	572	572	598	717	717			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

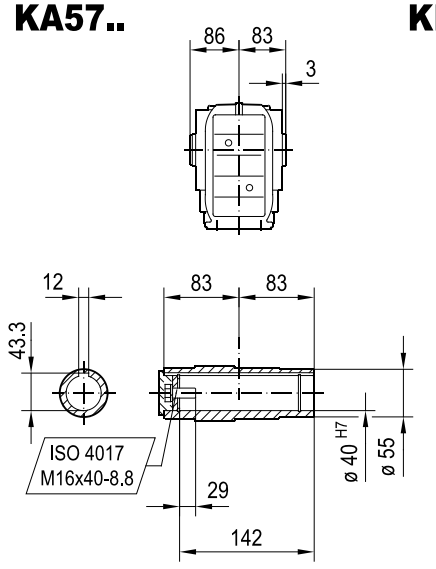
31546617/EN – 04/2026

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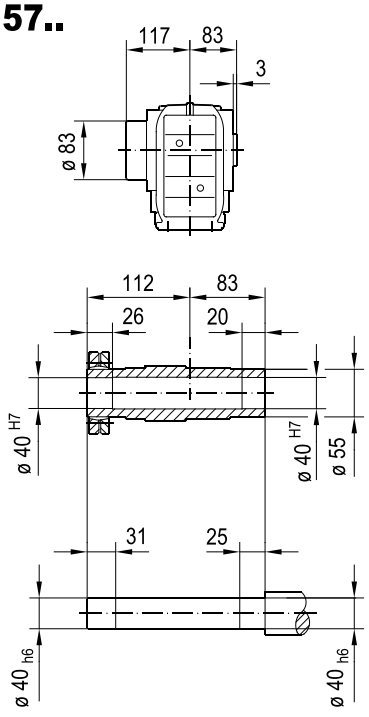
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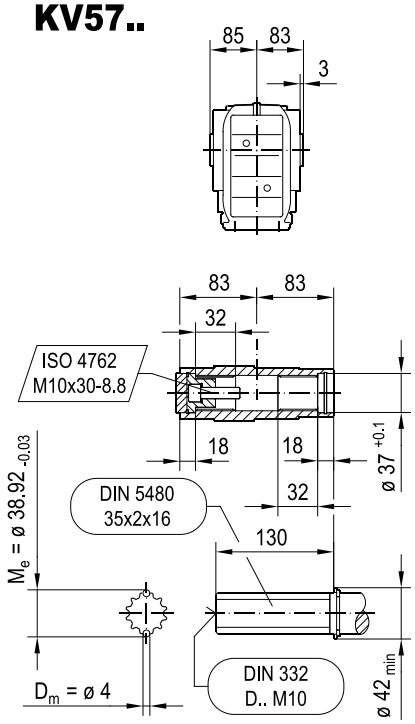
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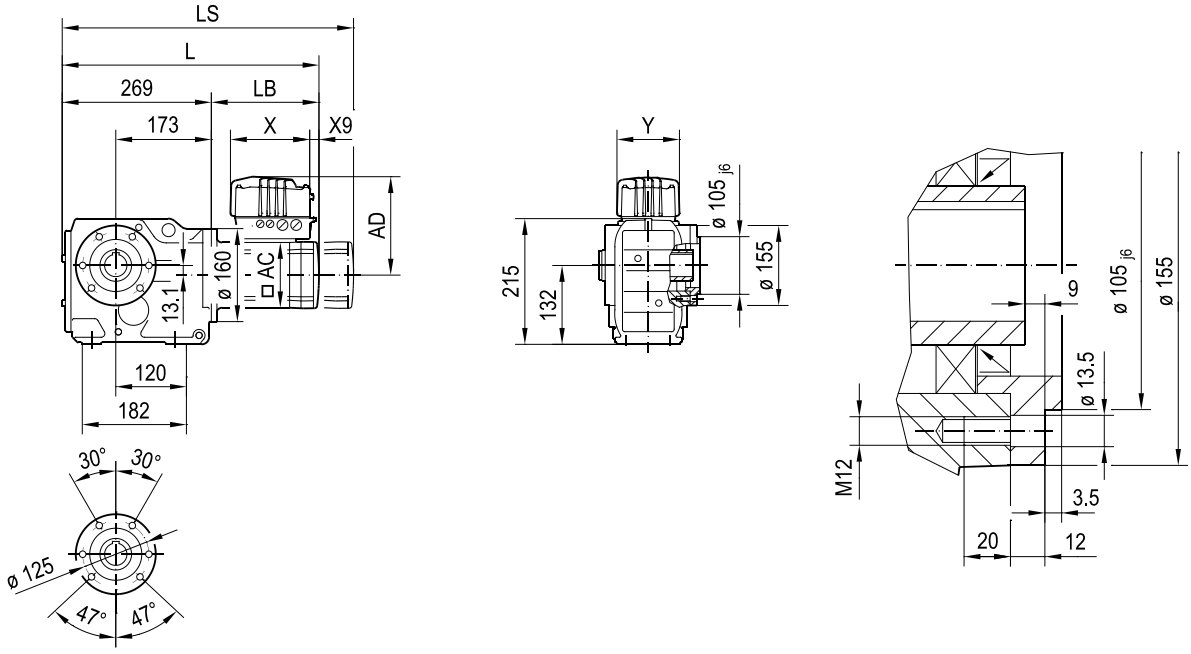


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AD	229	249	249	289	289			
L	531	531	557	693	693			
LS	572	572	598	717	717			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

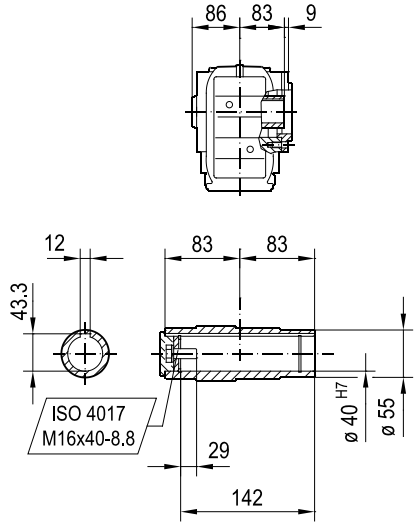
31546617/EN – 04/2026

33 146 00 20

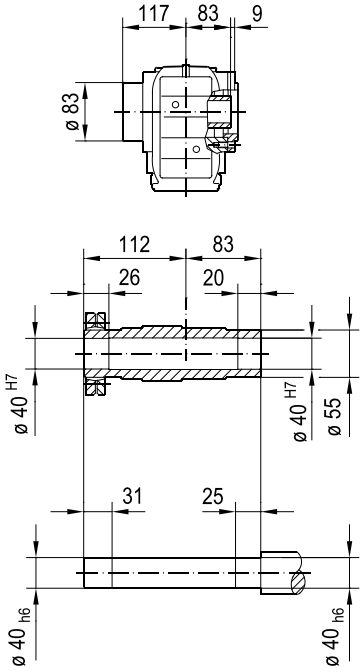
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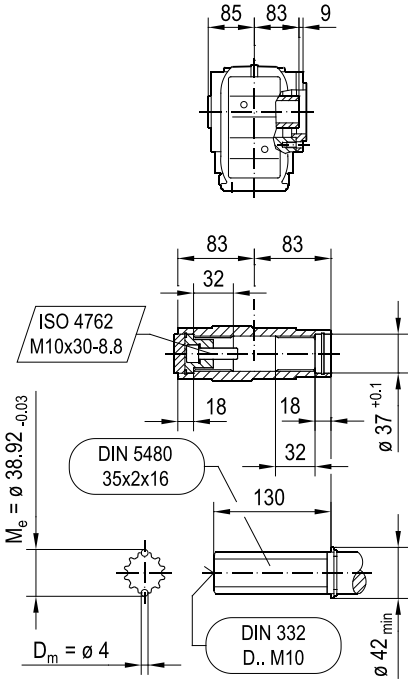
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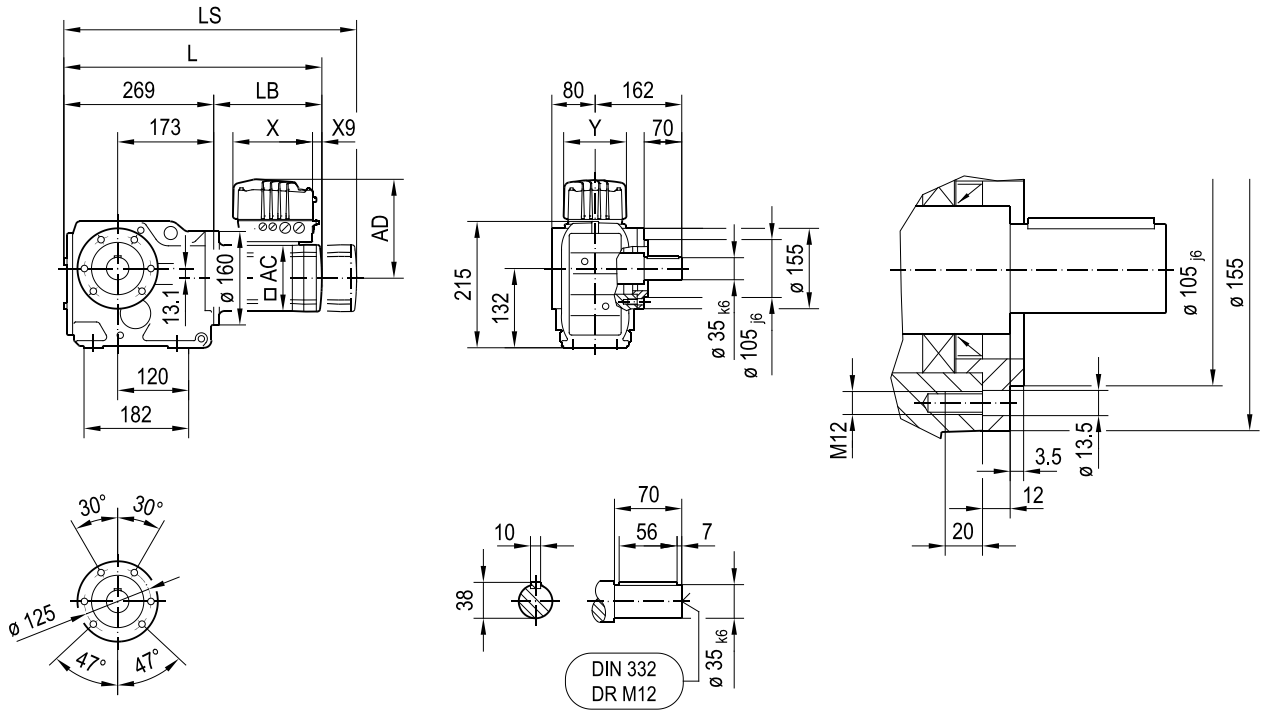


	CM3C/CM3P../D							
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AD	229	249	249	289	289			
L	531	531	557	693	693			
LS	572	572	598	717	717			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KZ57..

33 147 00 20

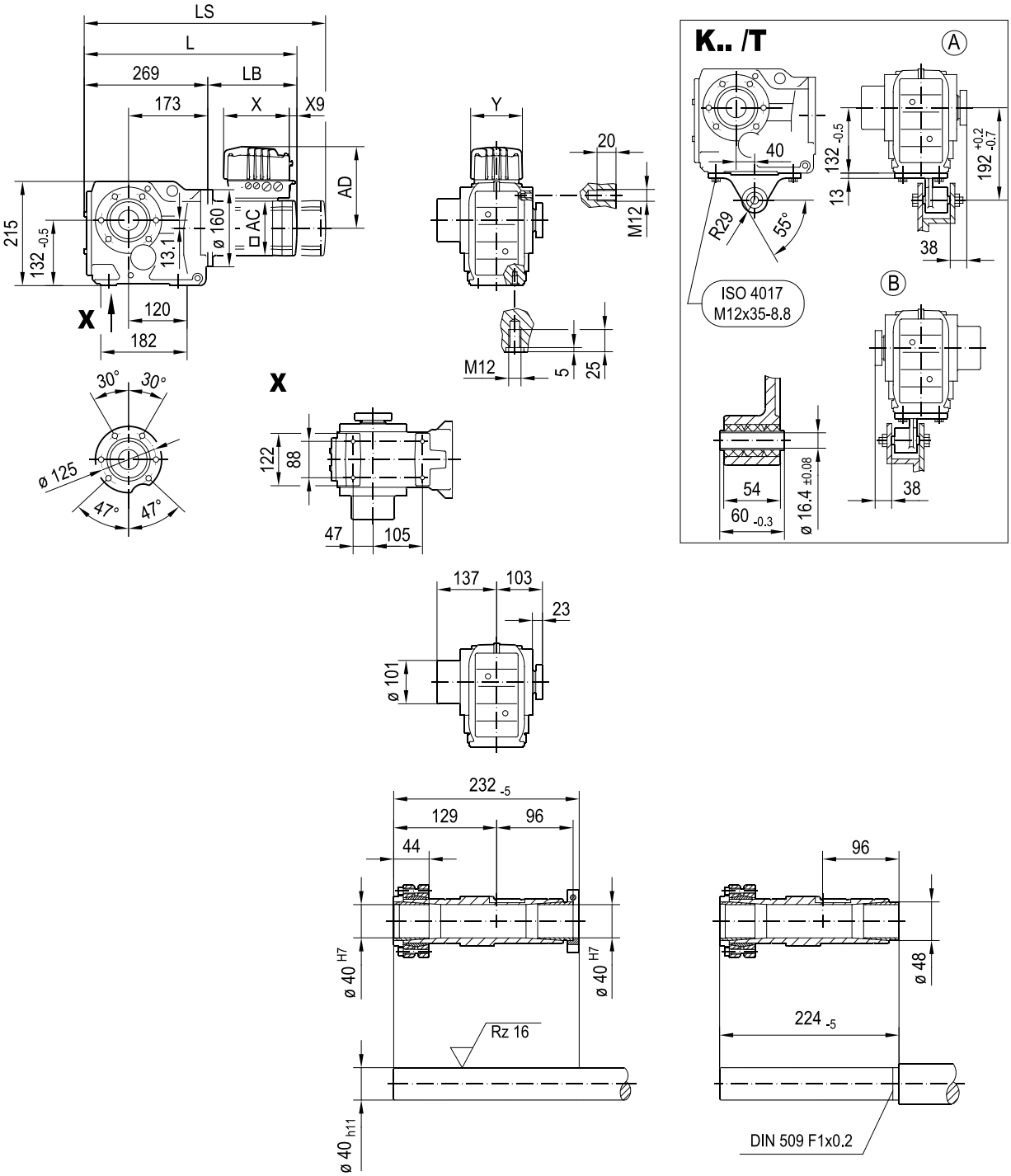


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	531	531	557	693	693			
LS	572	572	598	717	717			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KT57..

33 148 00 20

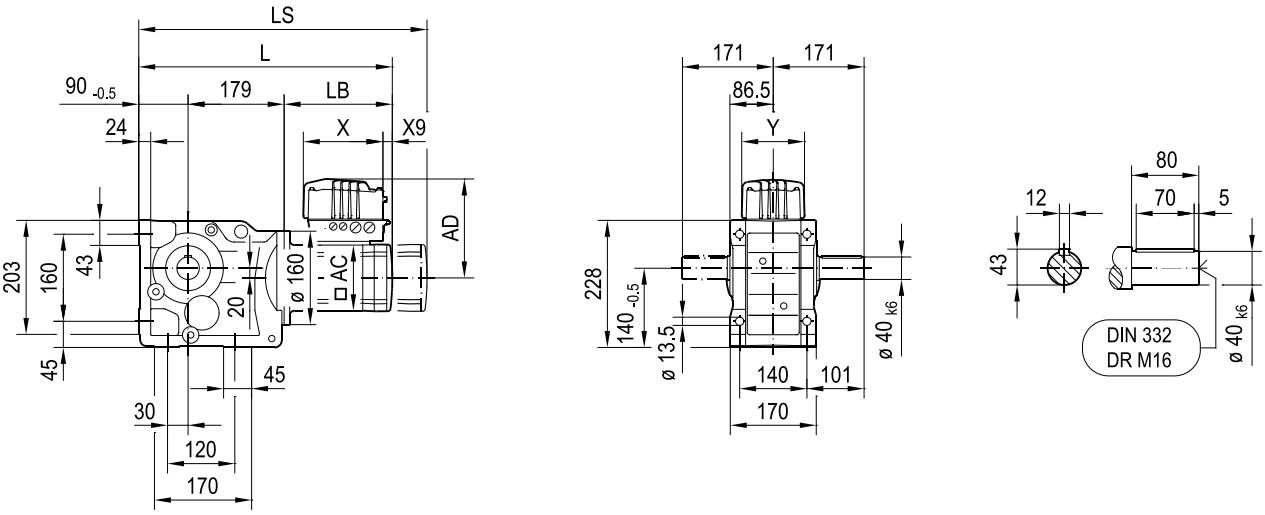


	CM3C/CM3P../D							
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AD	229	249	249	289	289			
L	531	531	557	693	693			
LS	572	572	598	717	717			
LB	262	262	288	424	424			
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Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

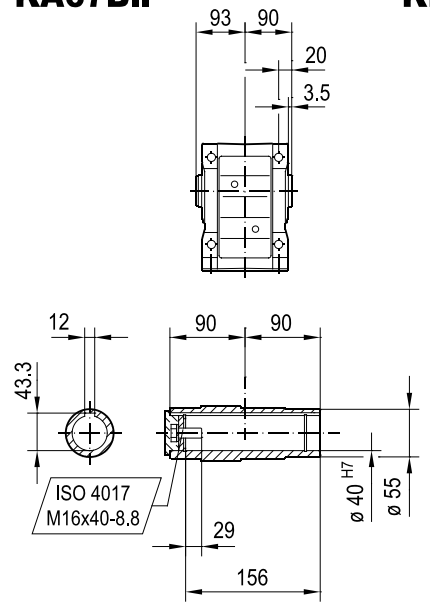
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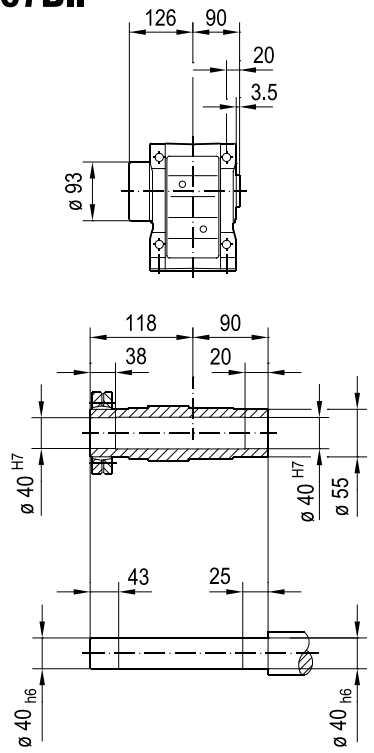
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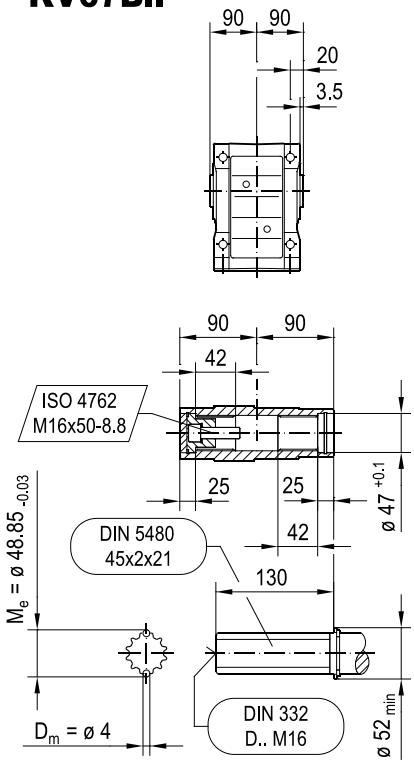
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KH67B..



KV67B..

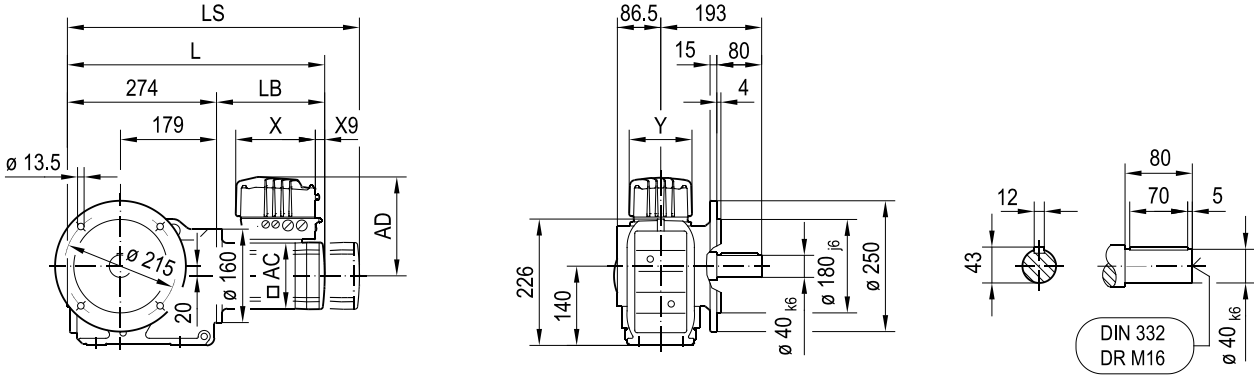


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AD	229	249	249	289	289			
L	531	531	557	693	693			
LS	572	572	598	717	717			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

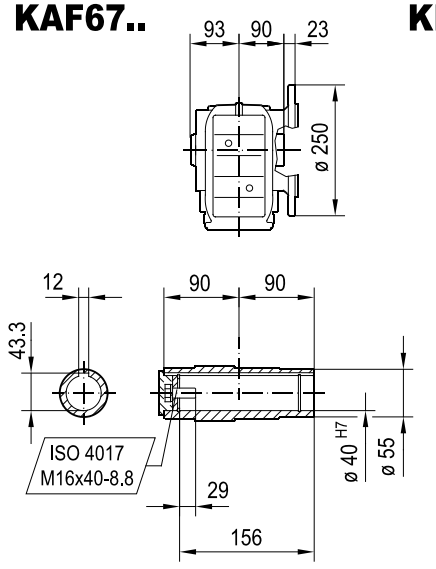
31546617/EN – 04/2026

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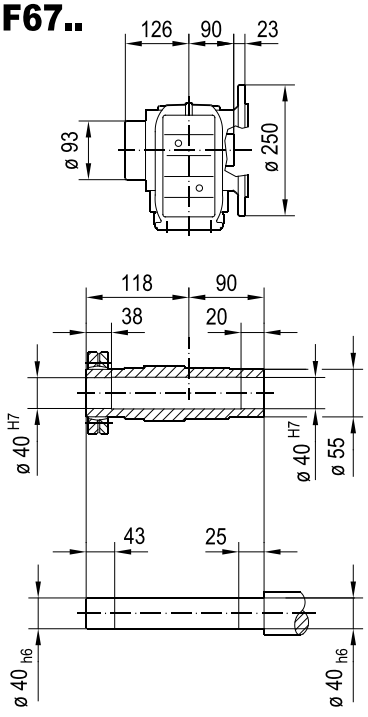
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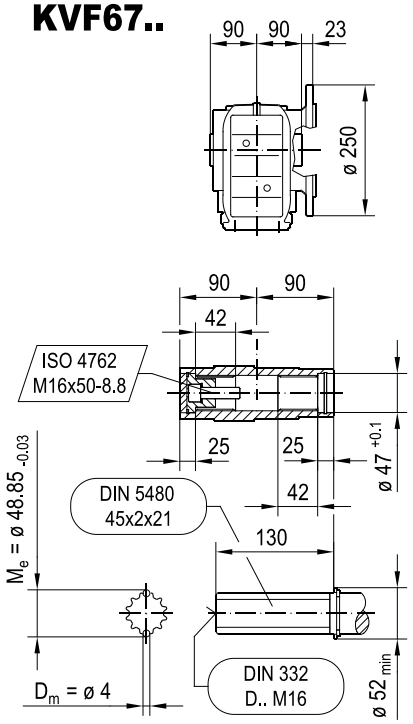
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KVF67..

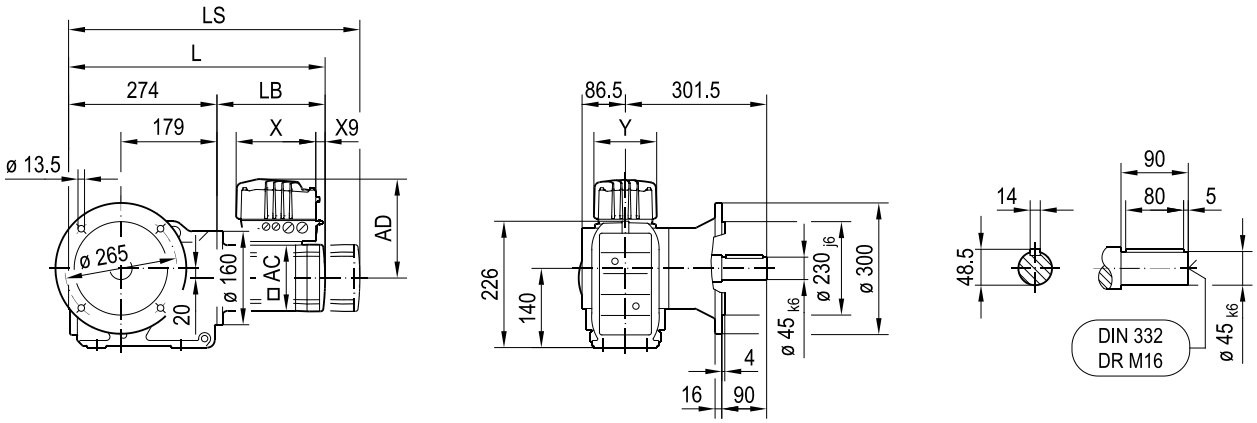


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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	536	536	562	698	698			
LS	577	577	603	722	722			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

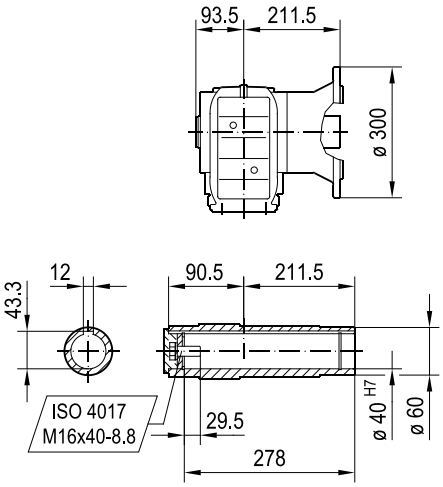
31546617/EN – 04/2026

KM67..

33 151 00 20



KAM67..

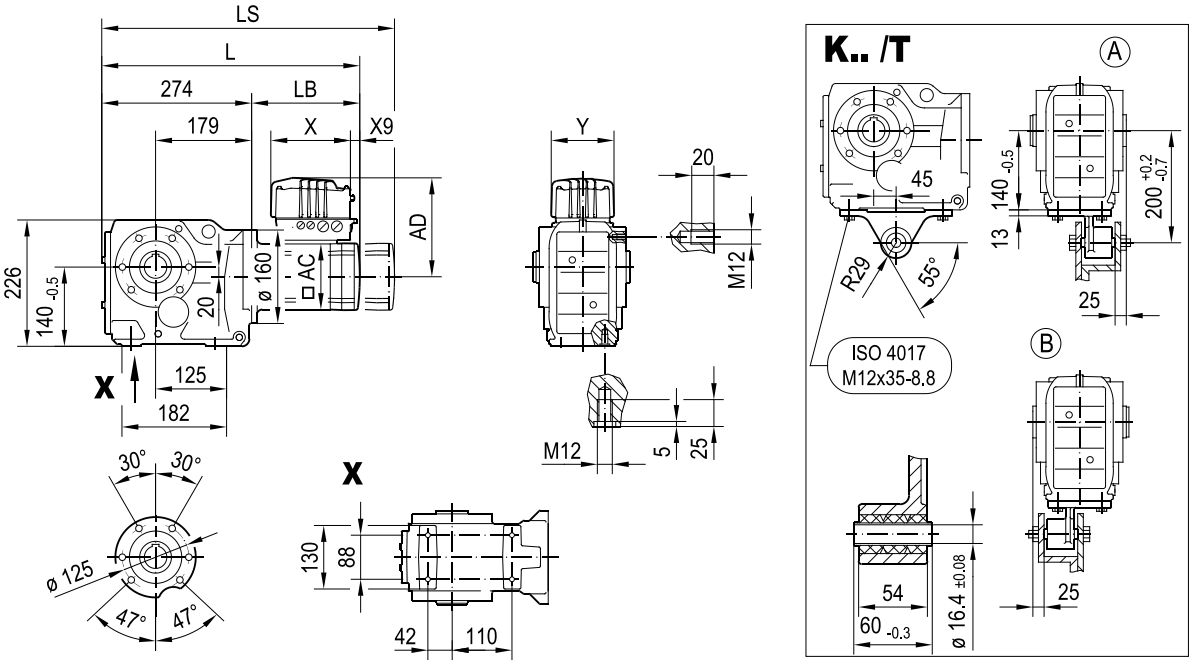


	CM3C/CM3P../D							
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AD	229	249	249	289	289			
L	536	536	562	698	698			
LS	577	577	603	722	722			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

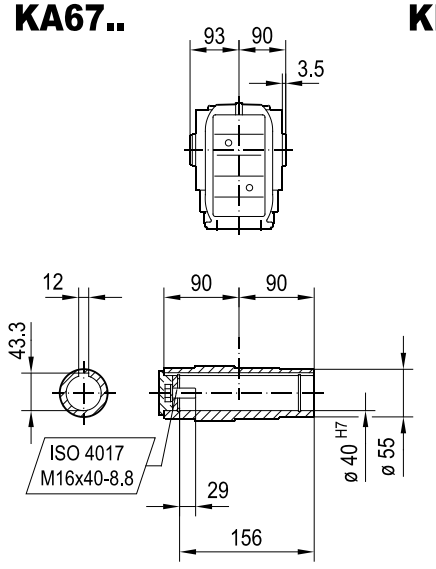
31546617/EN – 04/2026

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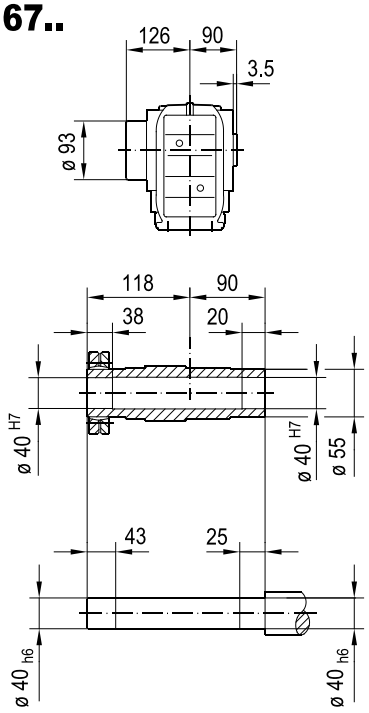
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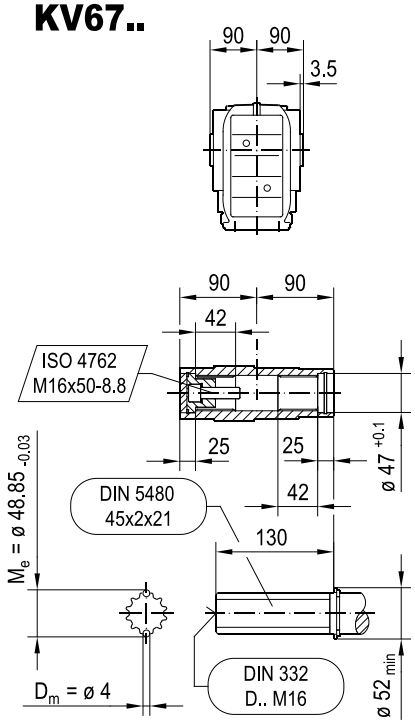
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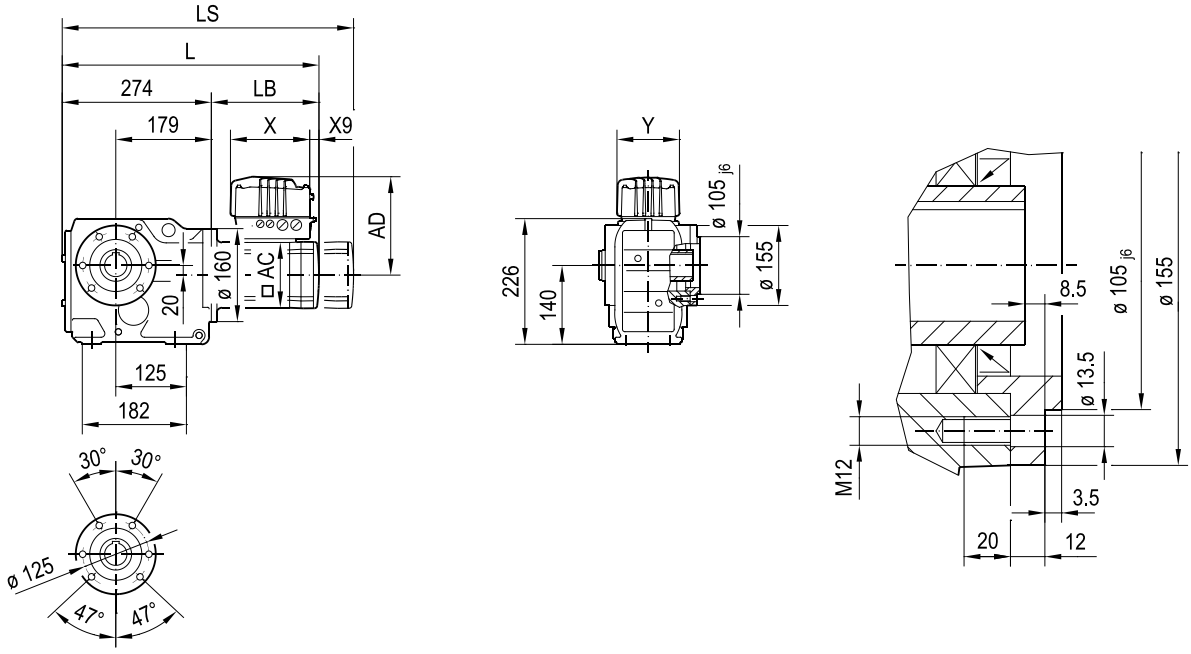


	CM3C/CM3P../D							
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LS	577	577	603	722	722			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

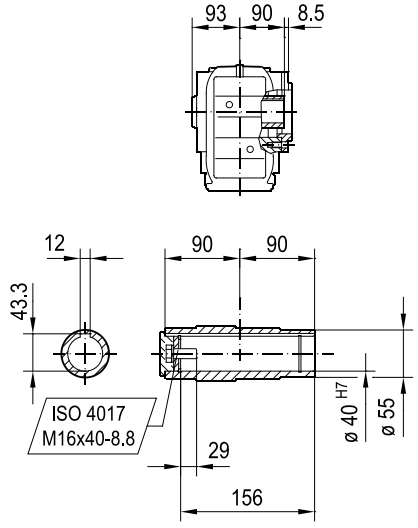
31546617/EN – 04/2026

33 153 00 20

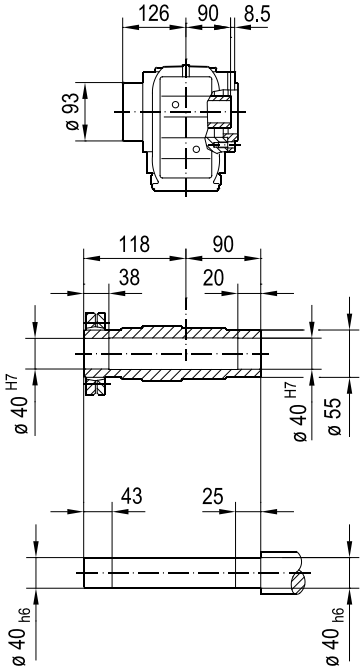
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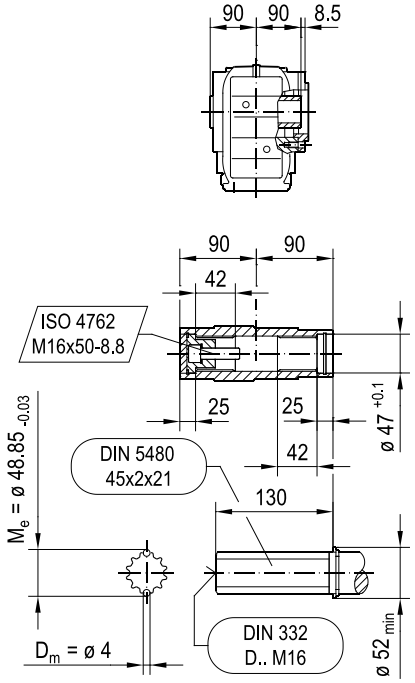
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KHZ67..



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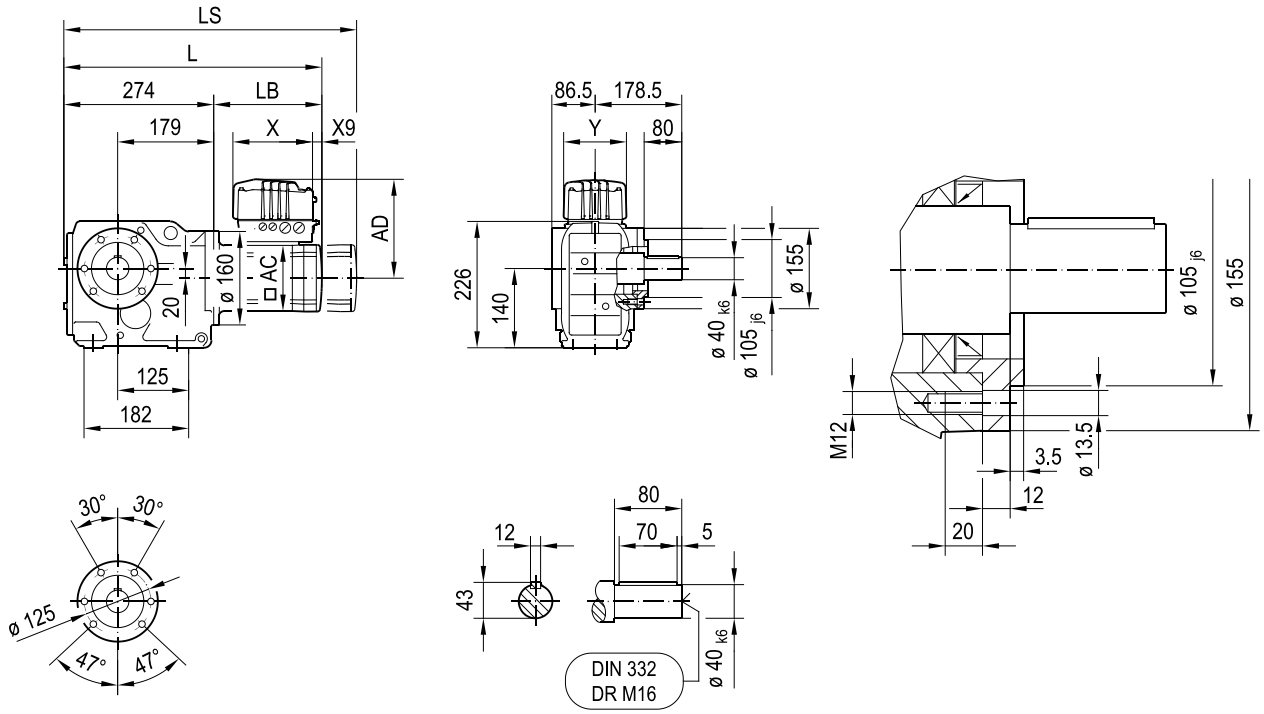


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	536	536	562	698	698			
LS	577	577	603	722	722			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KZ67..

33 154 00 20

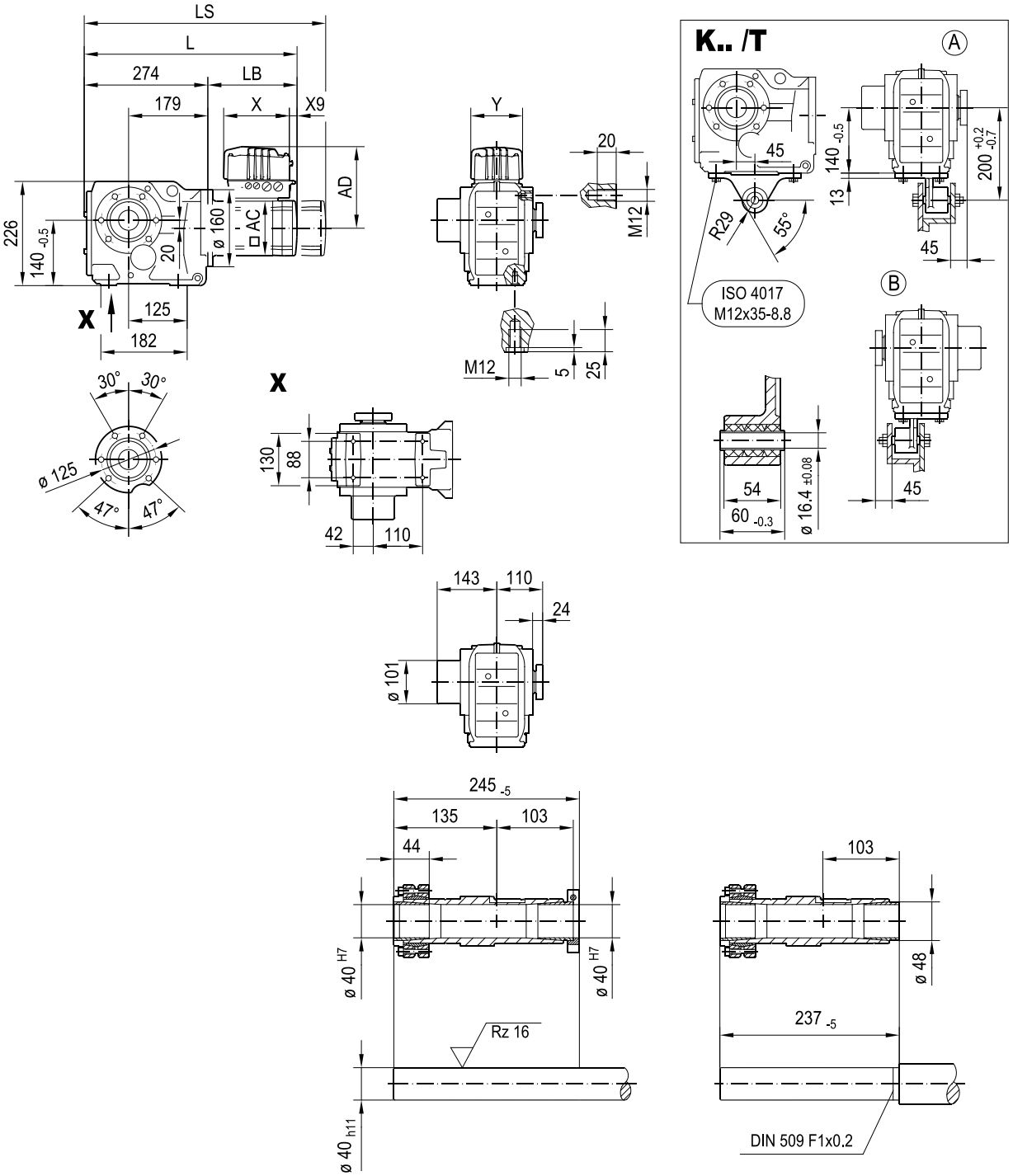


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	536	536	562	698	698			
LS	577	577	603	722	722			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KT67..

33 155 00 20

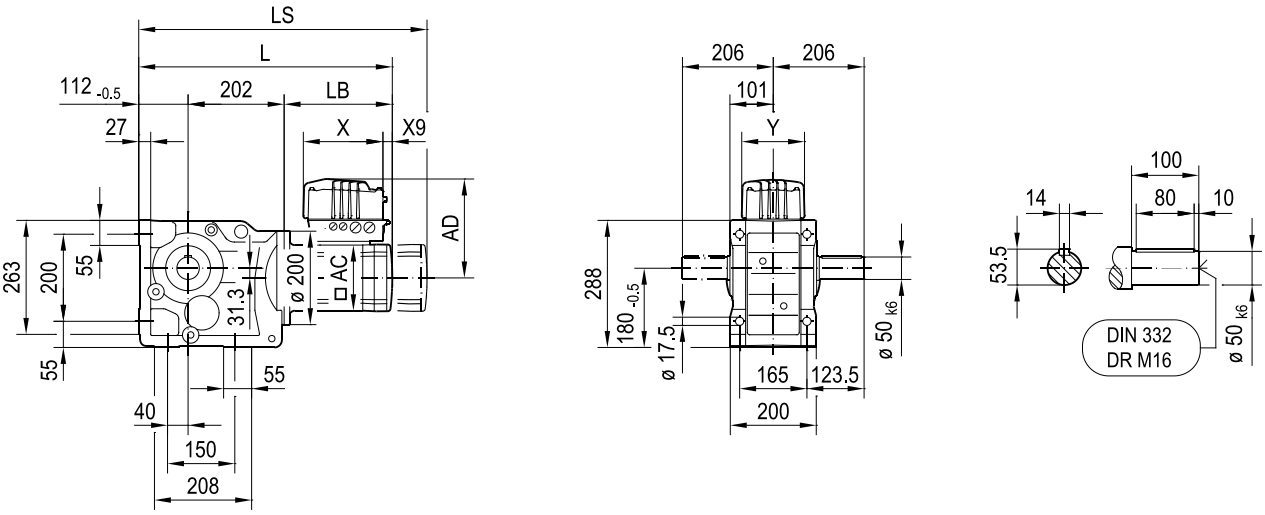


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	536	536	562	698	698			
LS	577	577	603	722	722			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

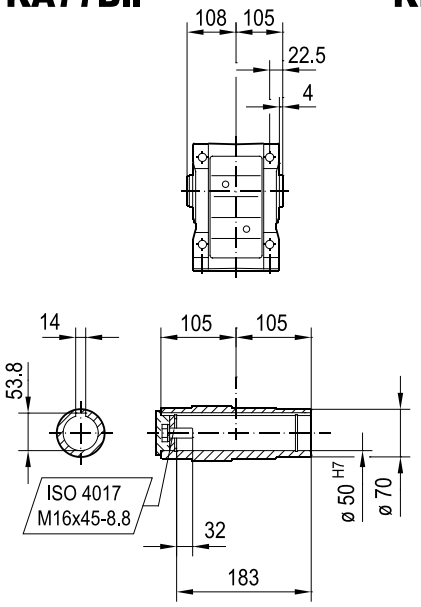
31546617/EN – 04/2026

33 156 00 20

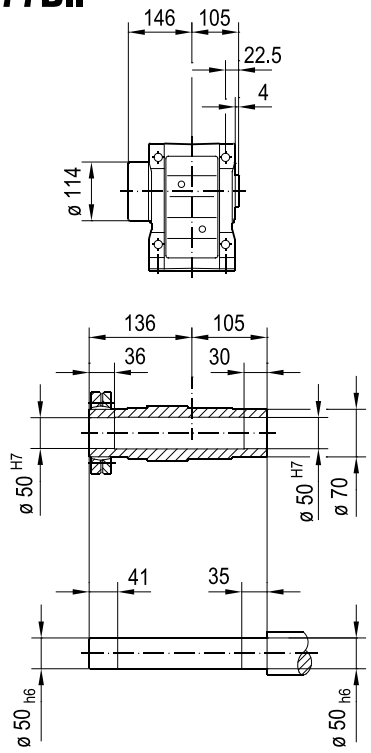
K77..



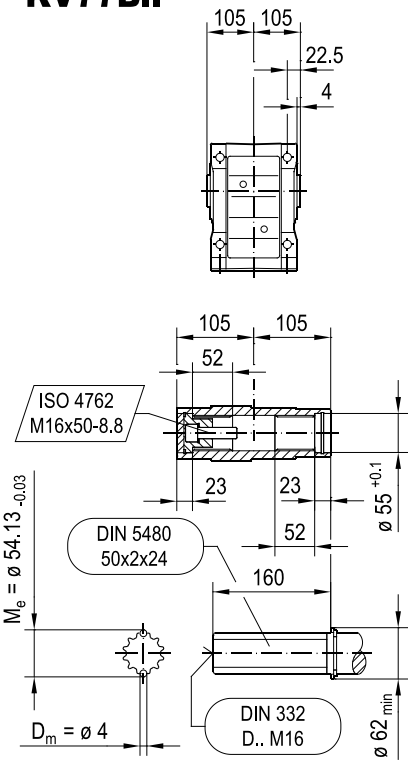
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KH77B..



KV77B..

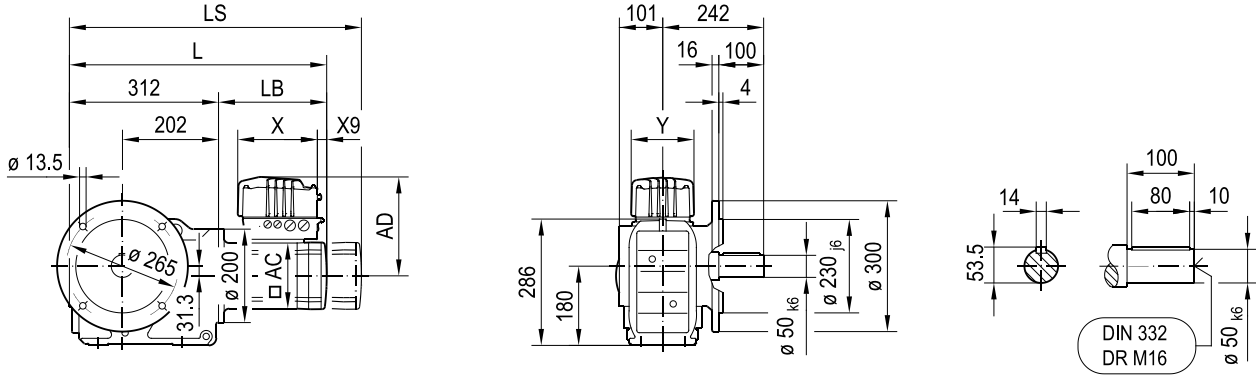


	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	568	568	594	727	727			
LS	609	609	635	751	751			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

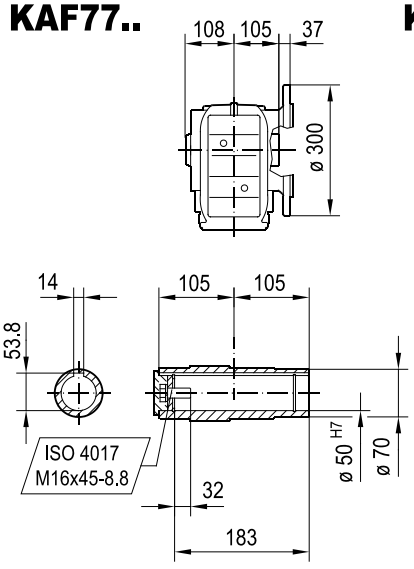
31546617/EN – 04/2026

33 157 00 20

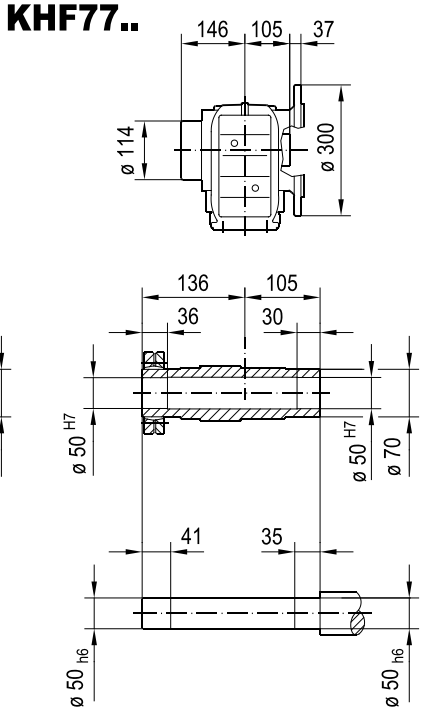
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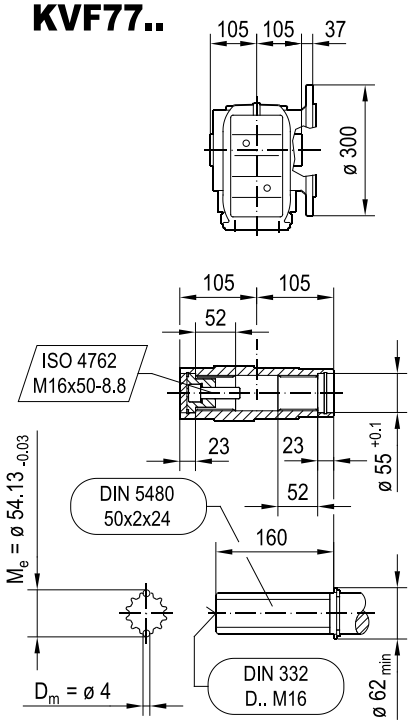
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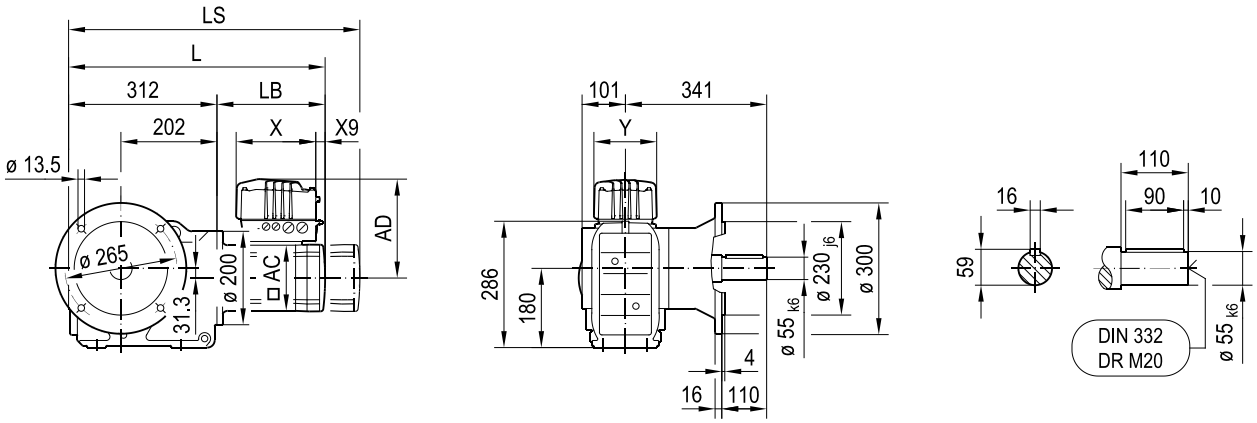


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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	566	566	592	725	725			
LS	607	607	633	749	749			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

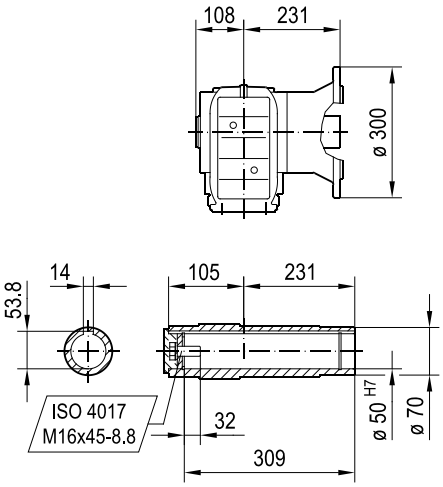
31546617/EN – 04/2026

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KAM77..

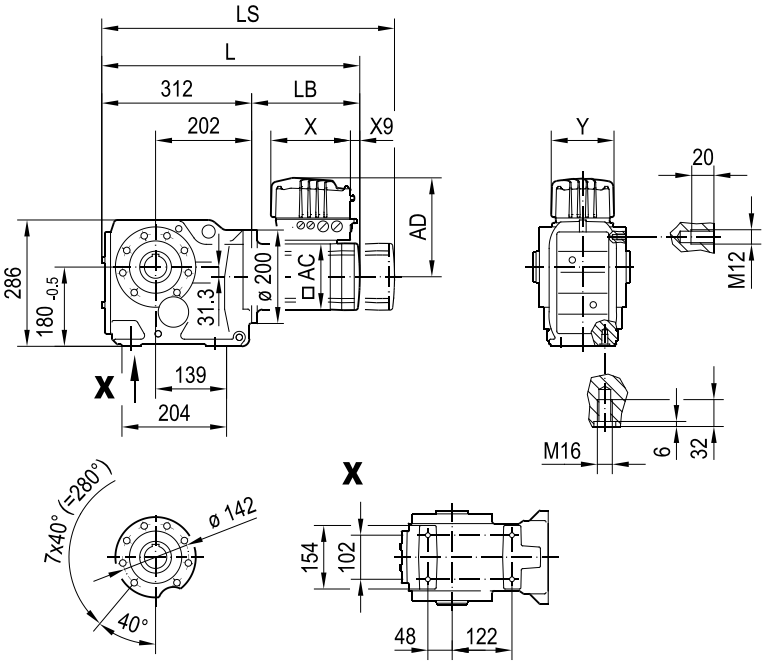


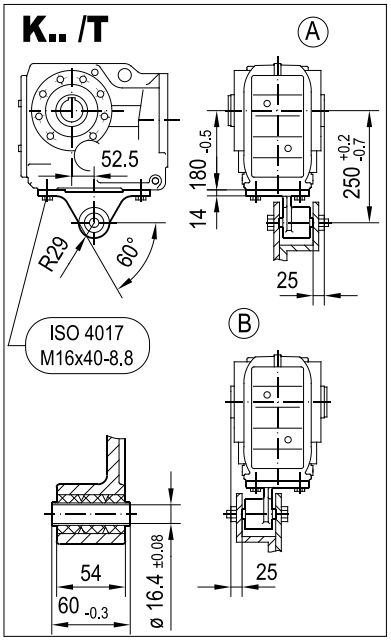
	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	566	566	592	725	725			
LS	607	607	633	749	749			
LB	254	254	280	413	413			
X	200	213	213	288	288			
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X9	17/58	17/58	17/58	-3/44	-3/44			

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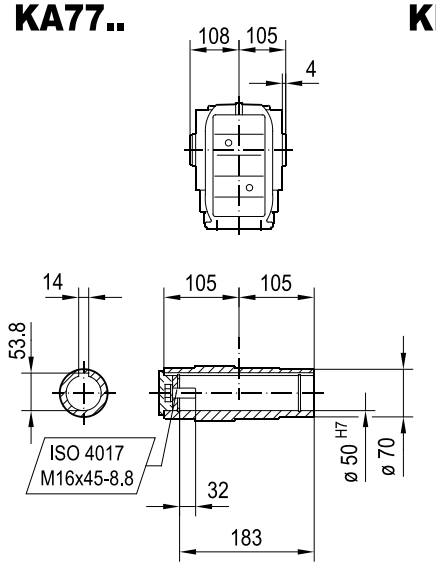
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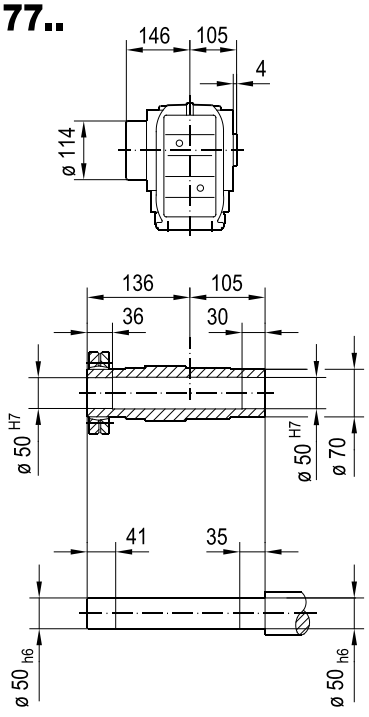




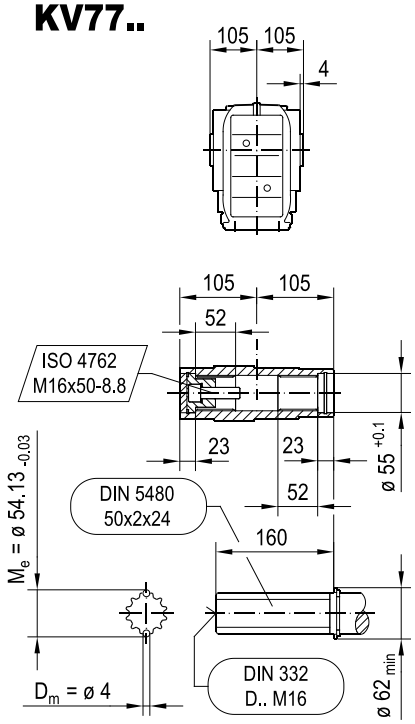
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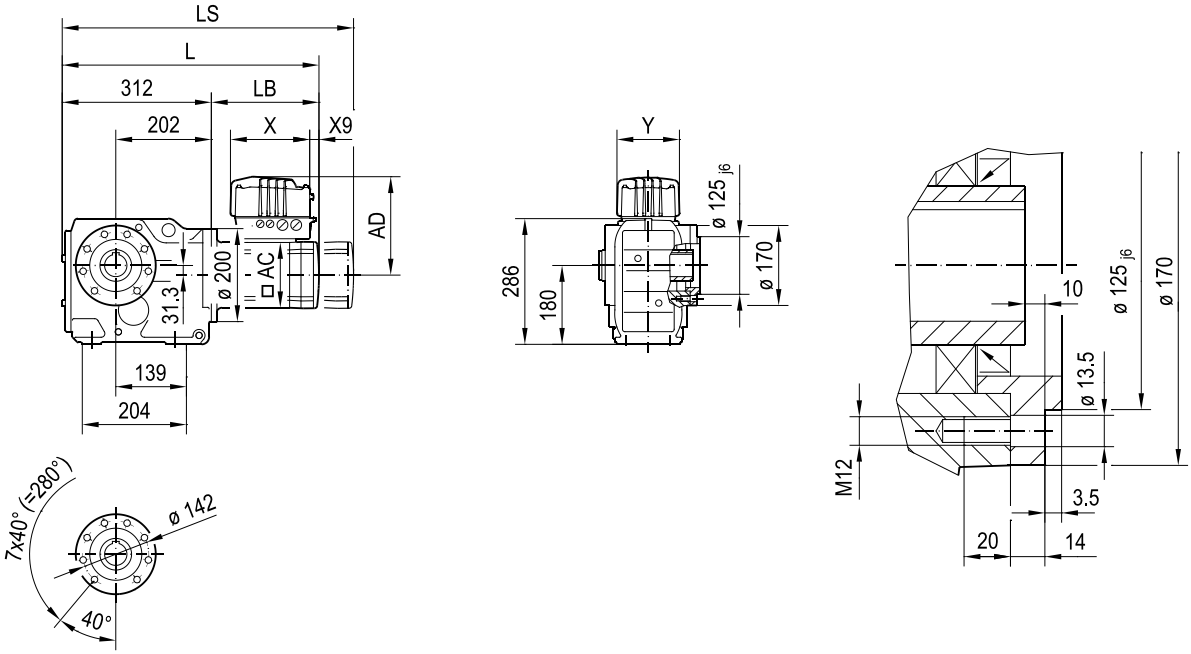


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	566	566	592	725	725			
LS	607	607	633	749	749			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

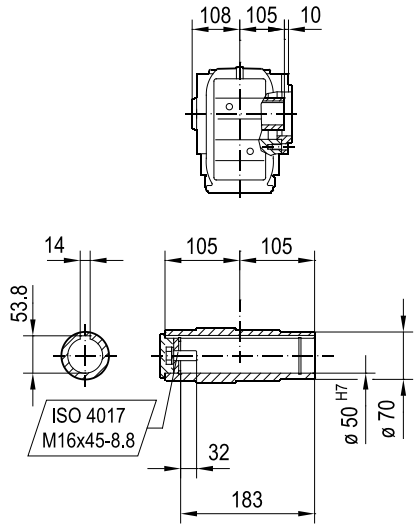
31546617/EN – 04/2026

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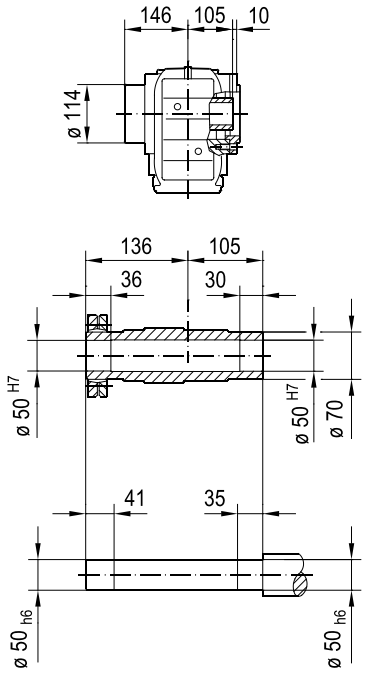
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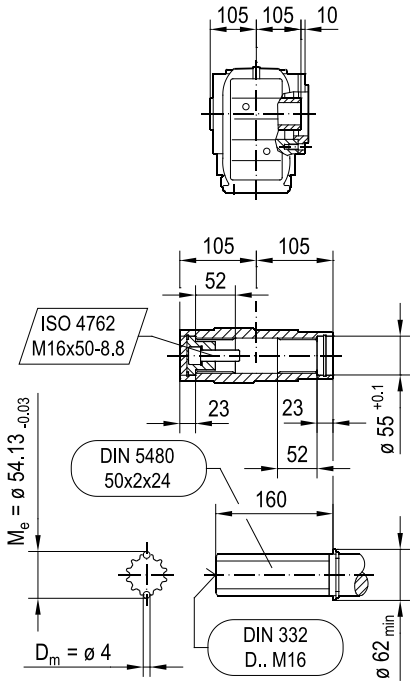
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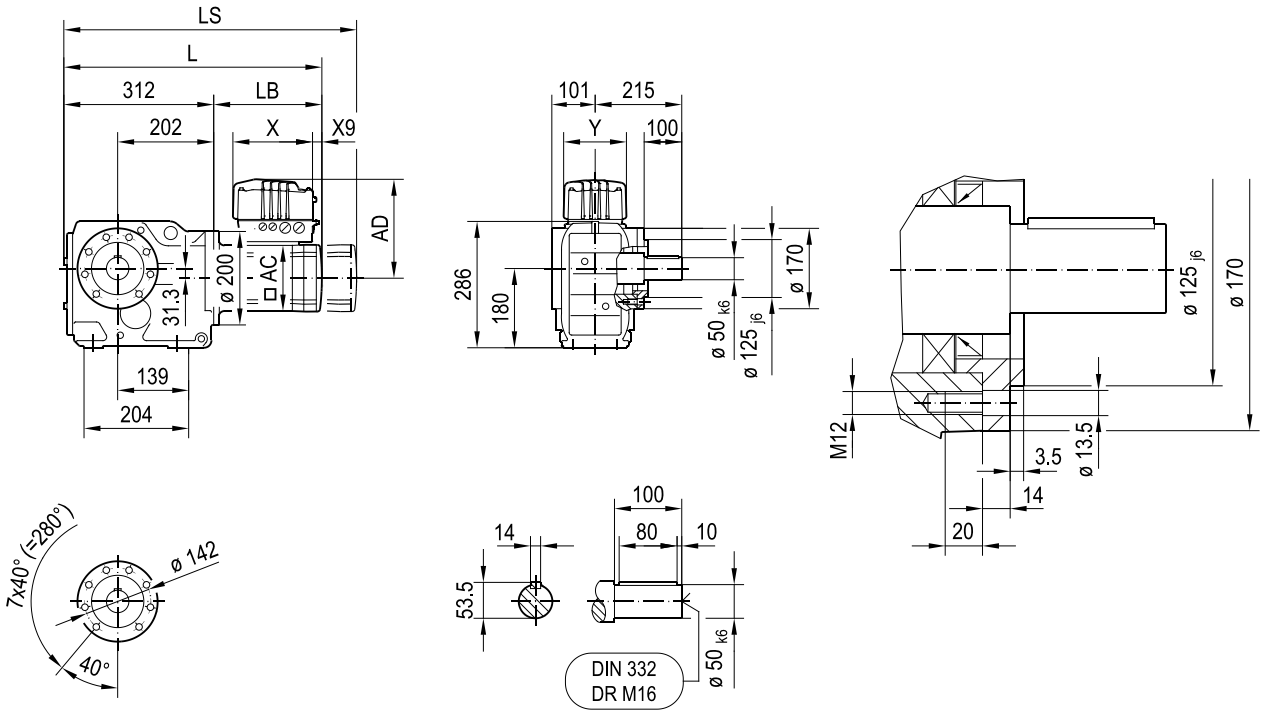


	CM3C/CM3P../D							
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AD	229	249	249	289	289			
L	566	566	592	725	725			
LS	607	607	633	749	749			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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33 161 00 20

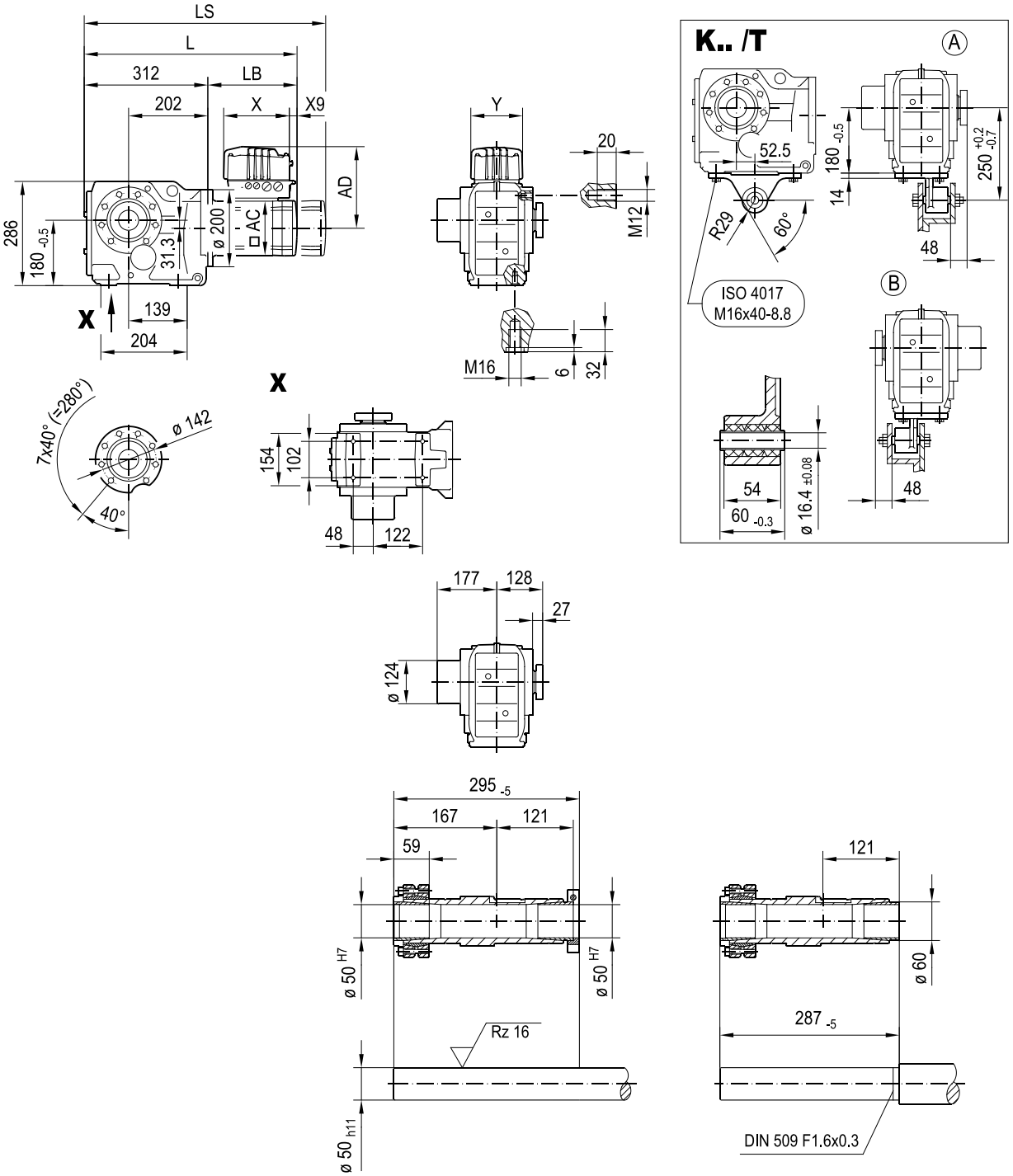


	CM3C/CM3P../D							
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AD	229	249	249	289	289			
L	566	566	592	725	725			
LS	607	607	633	749	749			
LB	254	254	280	413	413			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KT77..

33 162 00 20

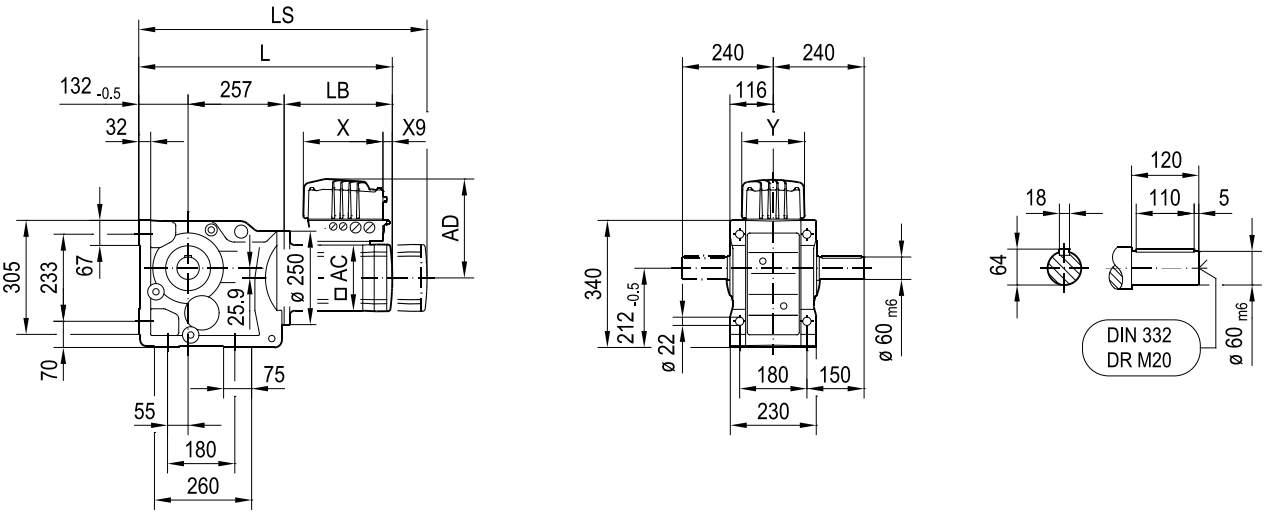


	CM3C/CM3P../D							
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AD	229	249	249	289	289			
L	566	566	592	725	725			
LS	607	607	633	749	749			
LB	254	254	280	413	413			
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Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

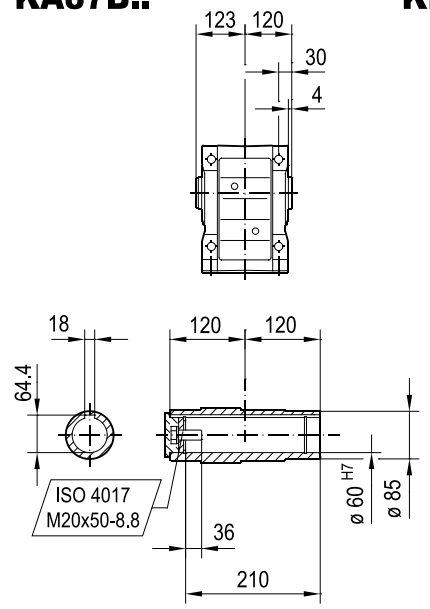
31546617/EN – 04/2026

33 163 00 20

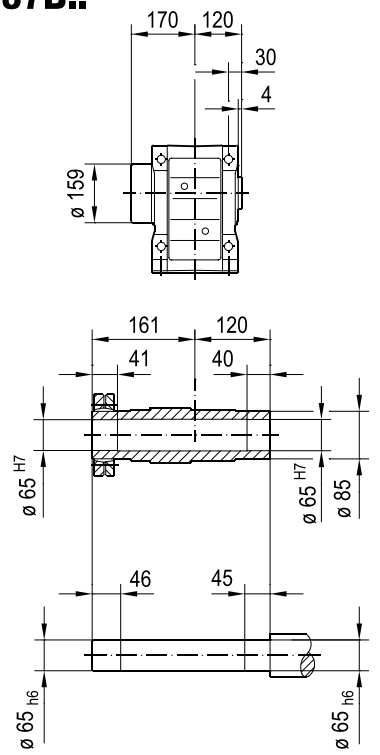
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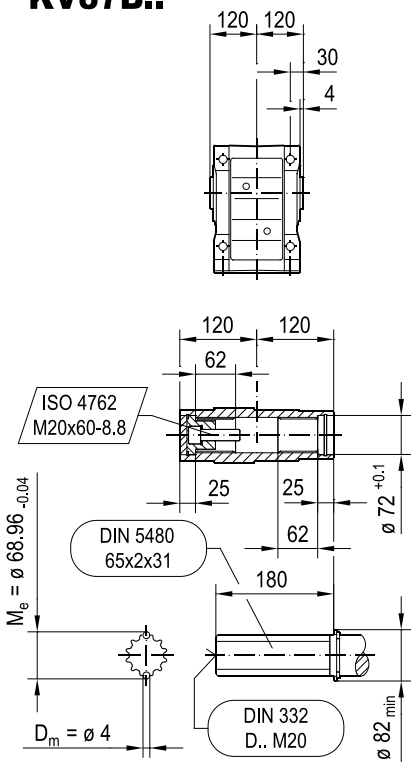
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KV87B..

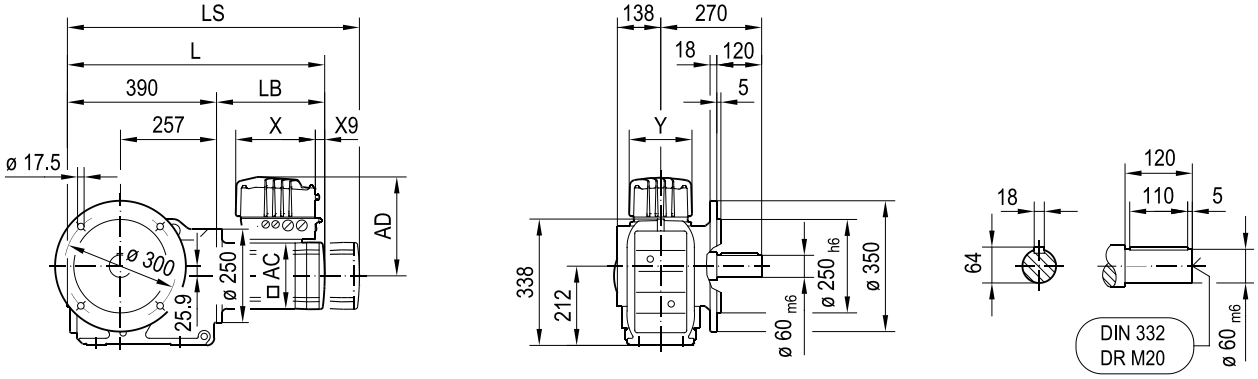


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AD	229	249	249	289	289			
L	638	638	664	797	797			
LS	679	679	705	821	821			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

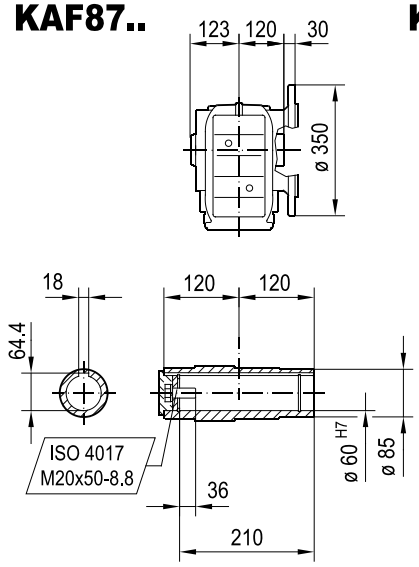
31546617/EN – 04/2026

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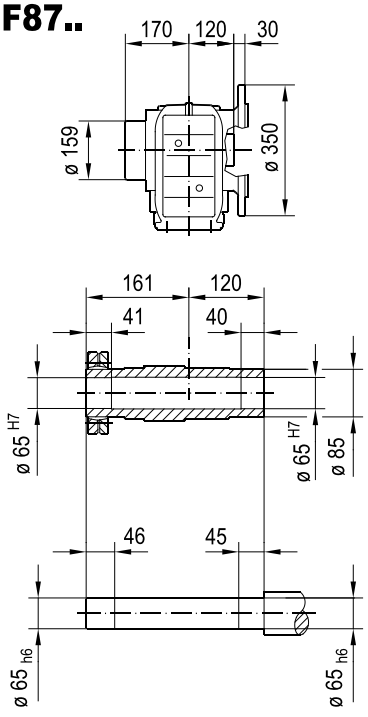
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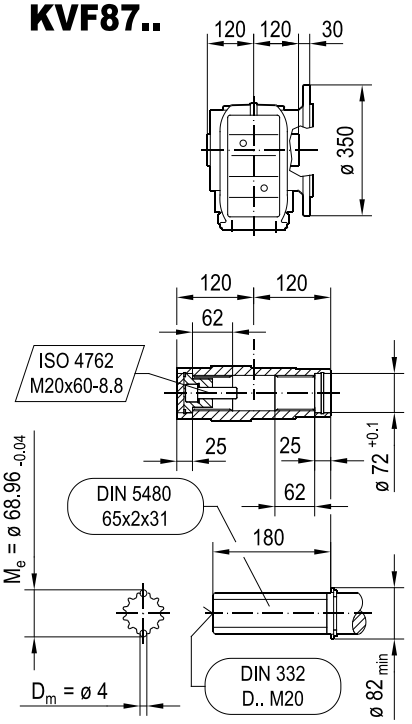
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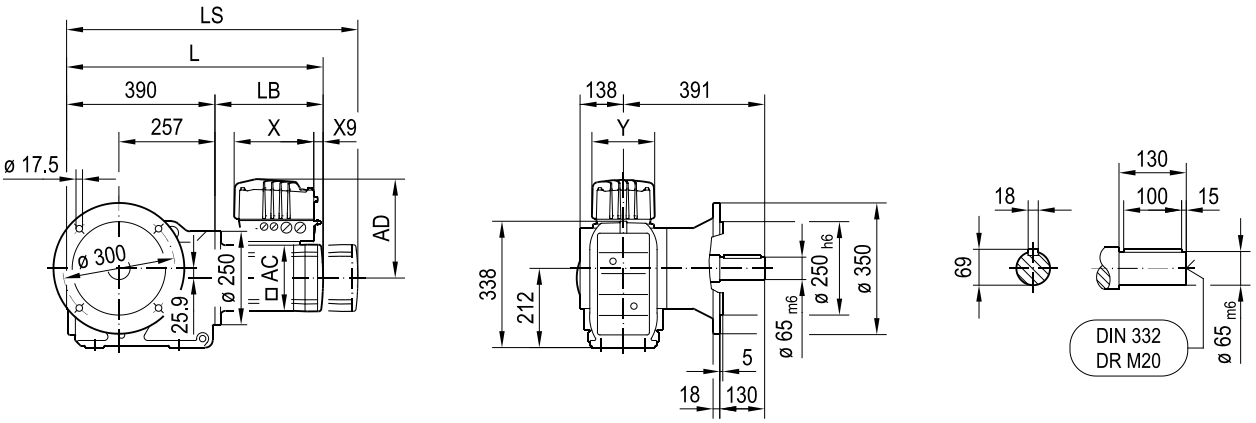


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AD	229	249	249	289	289			
L	639	639	665	798	798			
LS	680	680	706	822	822			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

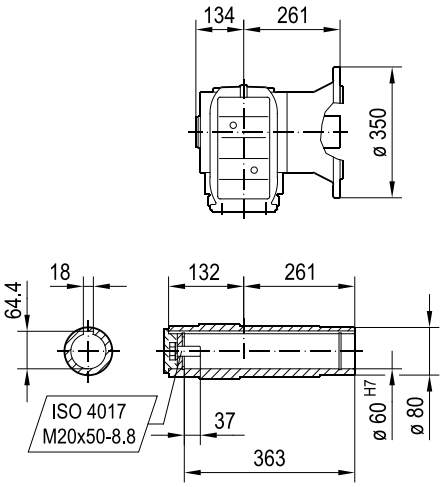
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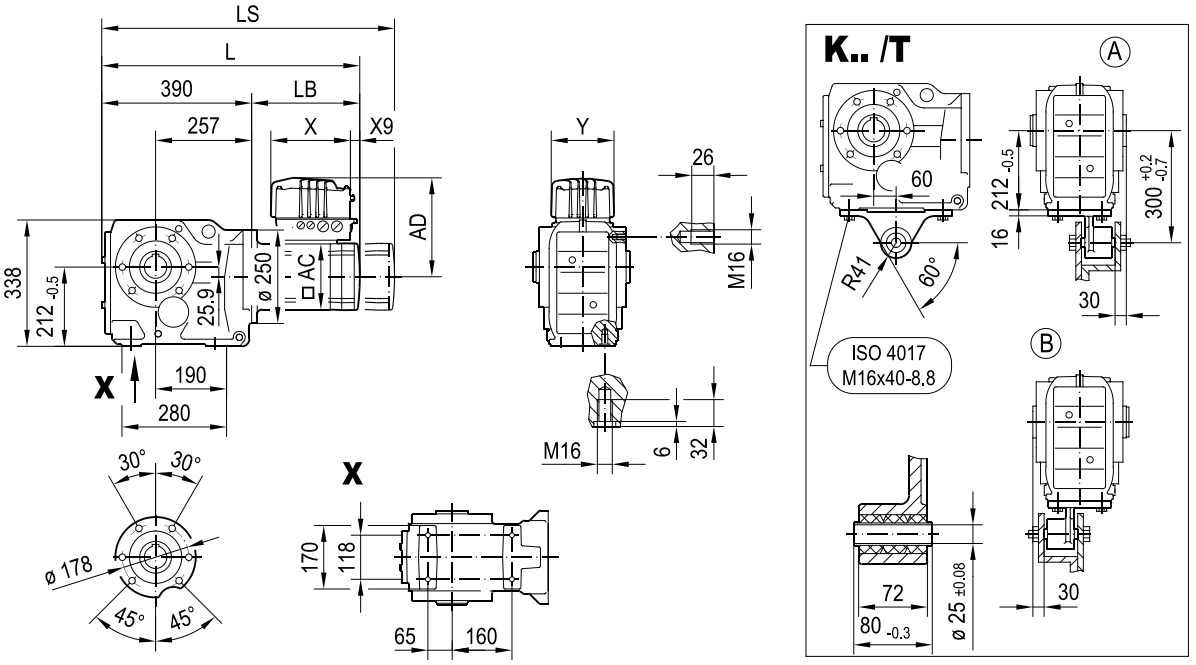


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	639	639	665	798	798			
LS	680	680	706	822	822			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

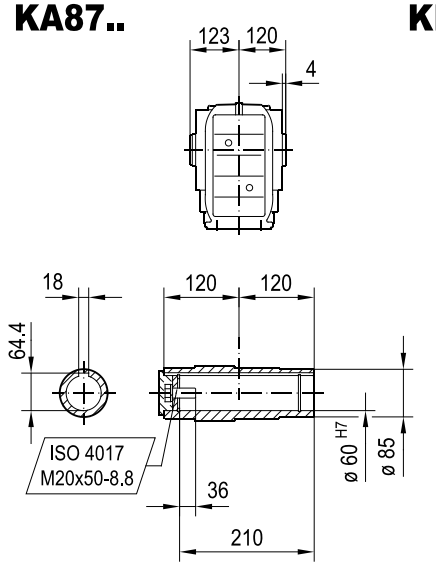
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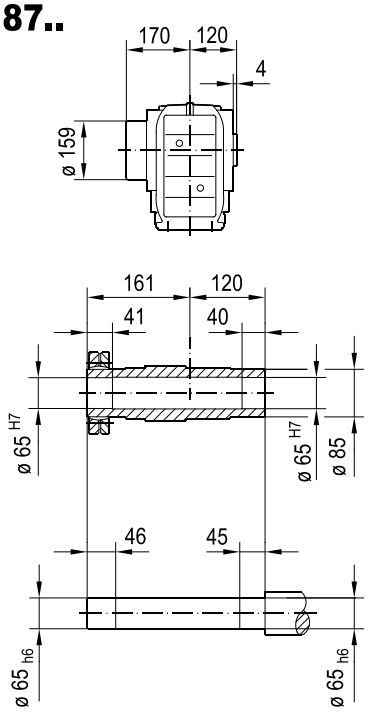
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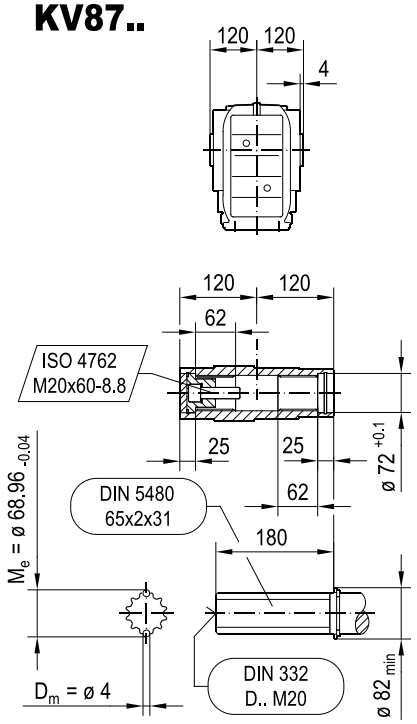
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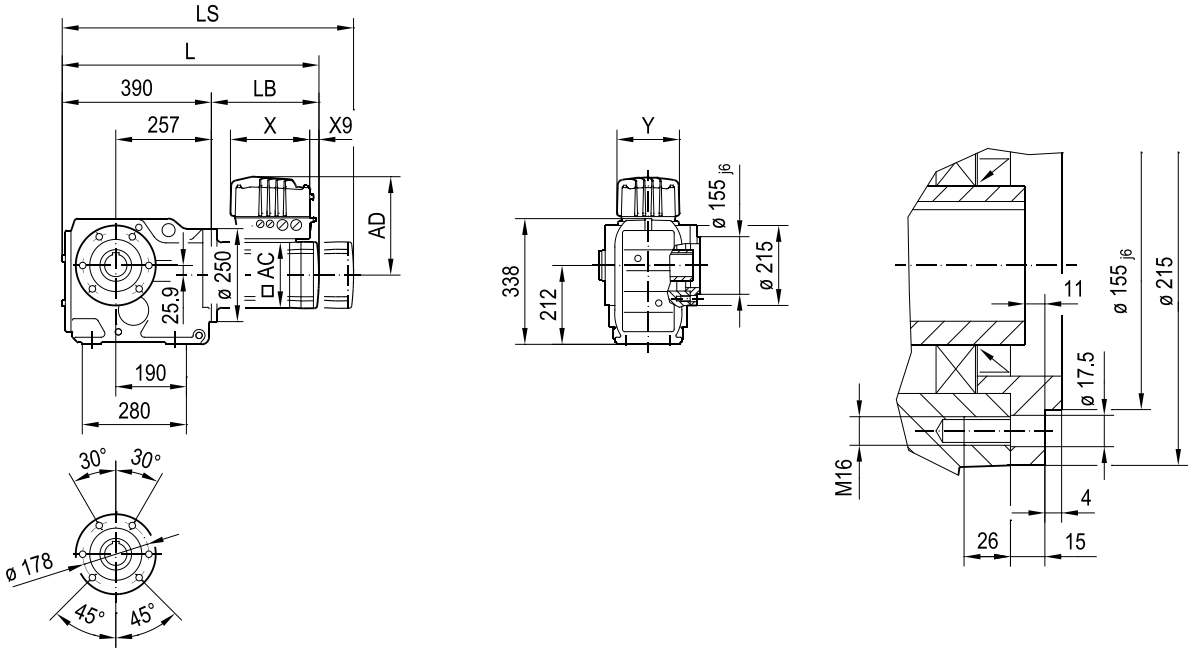


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L	639	639	665	798	798			
LS	680	680	706	822	822			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

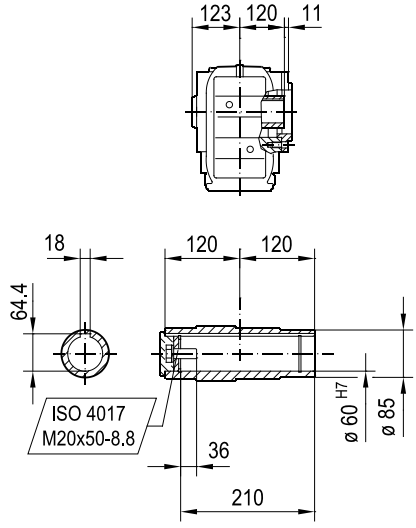
31546617/EN – 04/2026

33 167 00 20

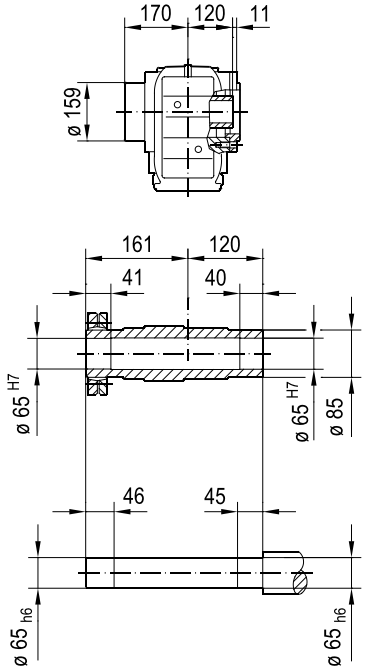
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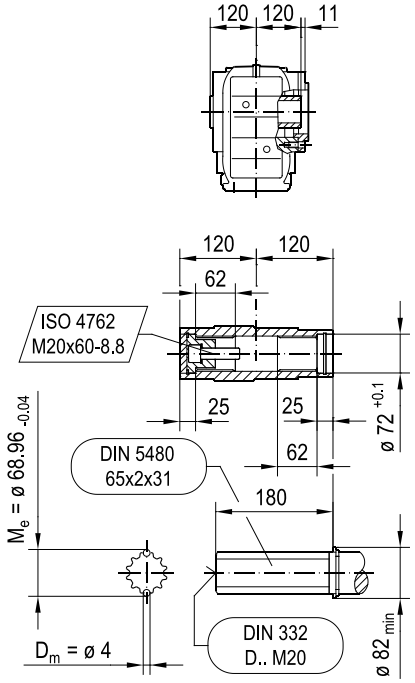
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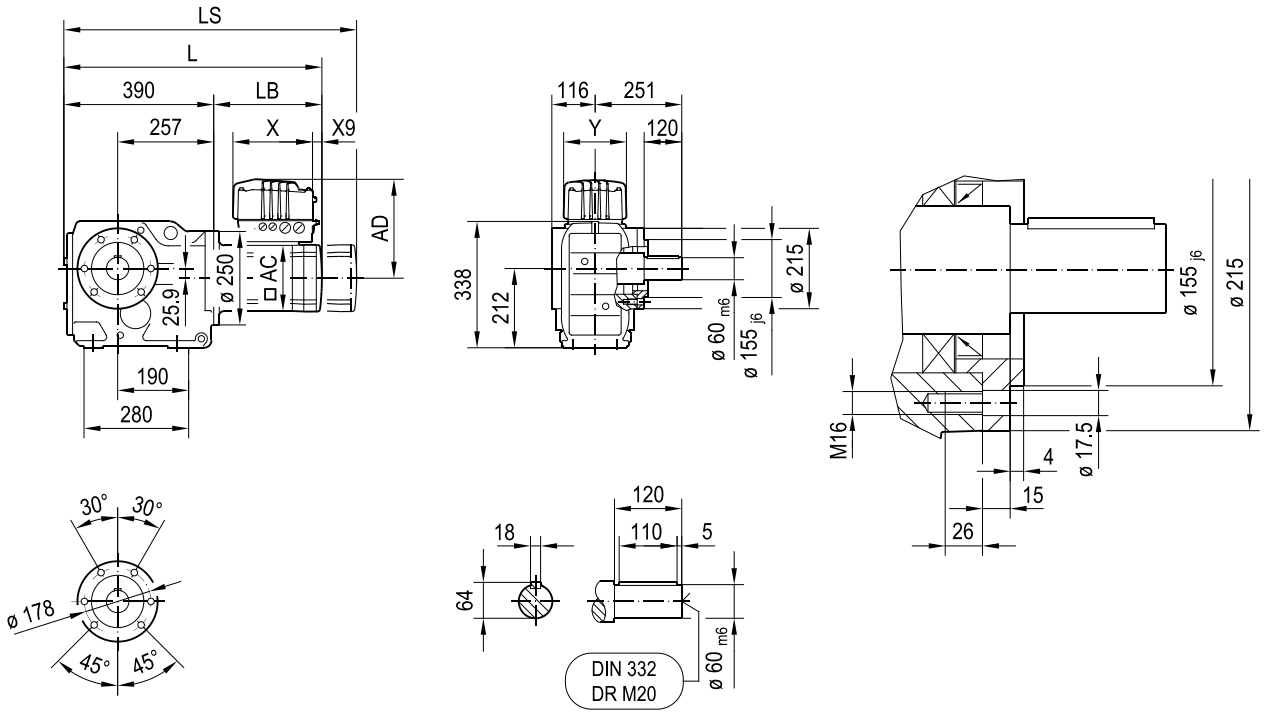


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	639	639	665	798	798			
LS	680	680	706	822	822			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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KZ87..

33 168 00 20

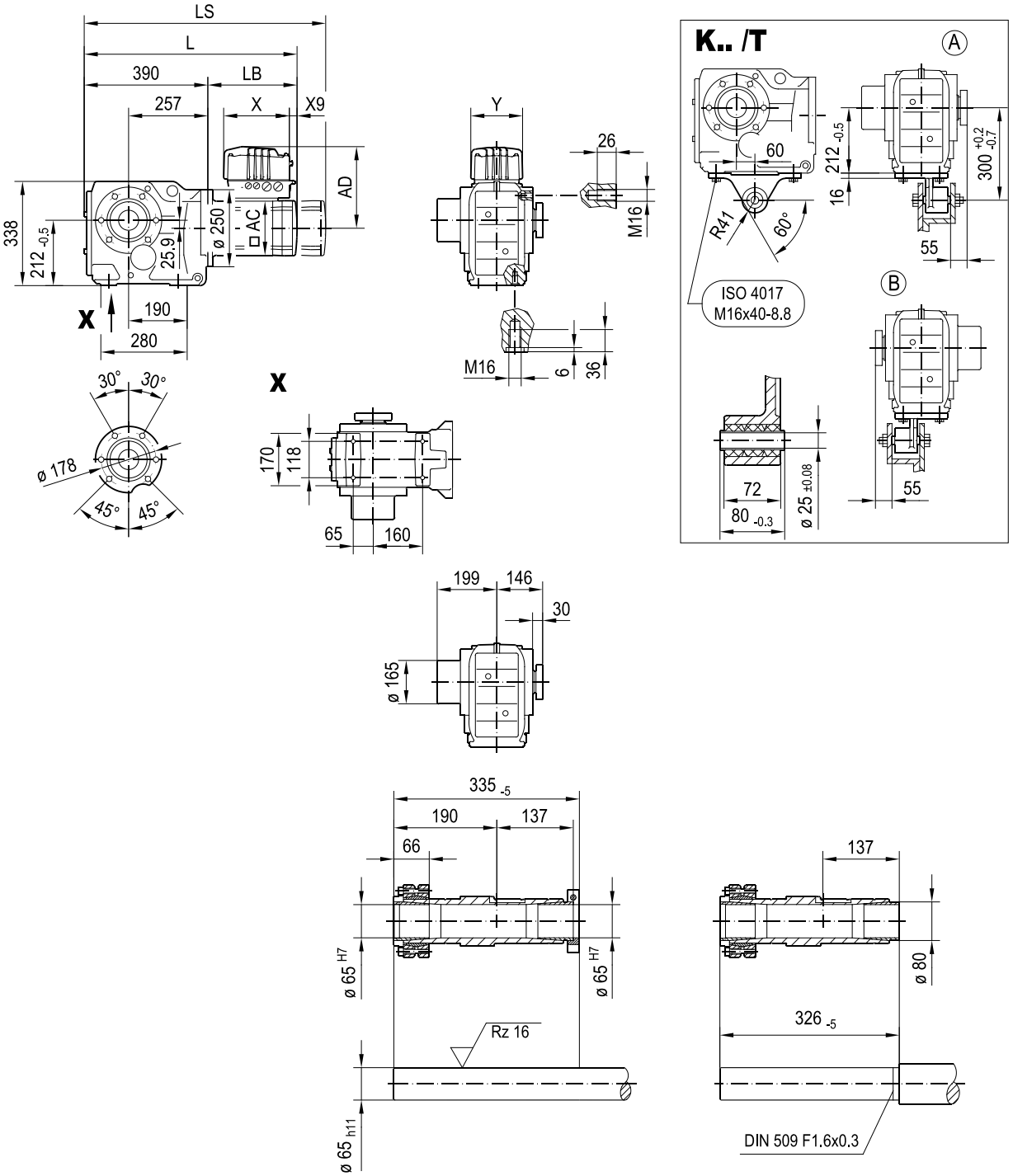


	CM3C/CM3P../D							
	80S_0032	**80S_0040**	**80M_0055**	**100LM_0070**	**100LM_0095**			
AC	140	140	140	163	163			
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L	639	639	665	798	798			
LS	680	680	706	822	822			
LB	249	249	275	408	408			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

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33 169 00 20

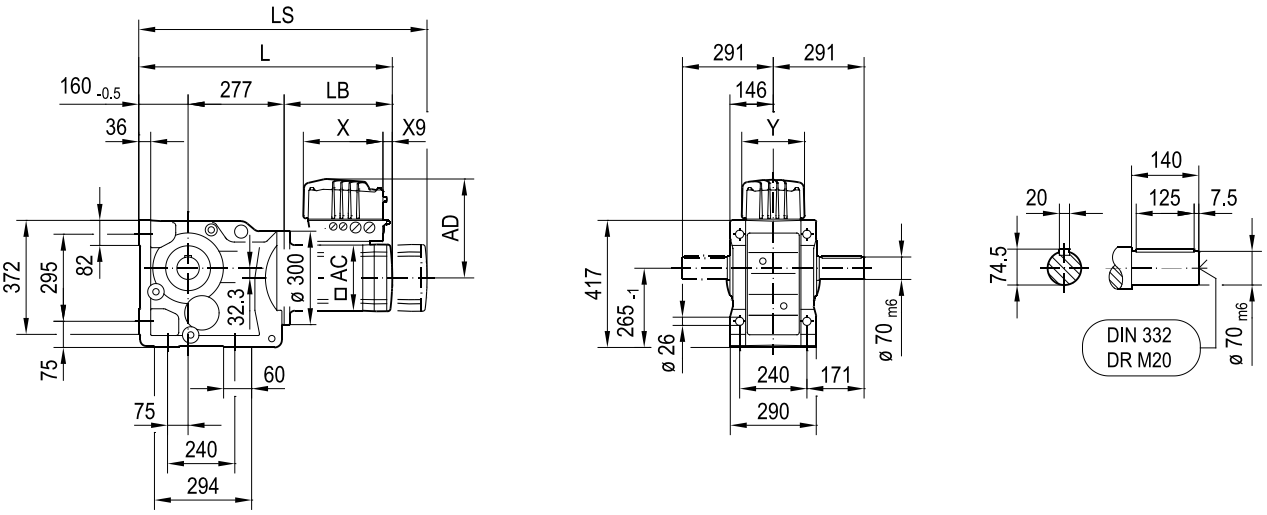


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	639	639	665	798	798			
LS	680	680	706	822	822			
LB	249	249	275	408	408			
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Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

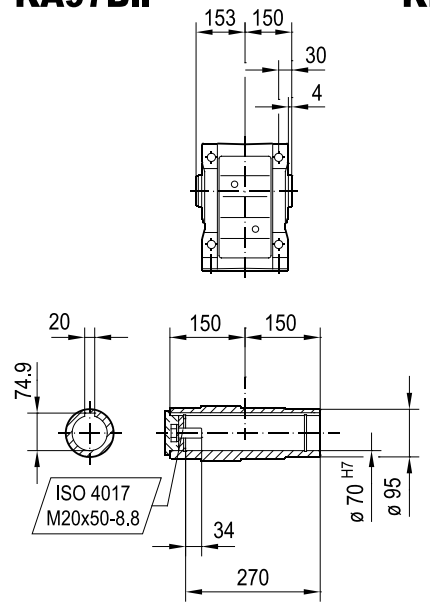
31546617/EN – 04/2026

33 170 00 20

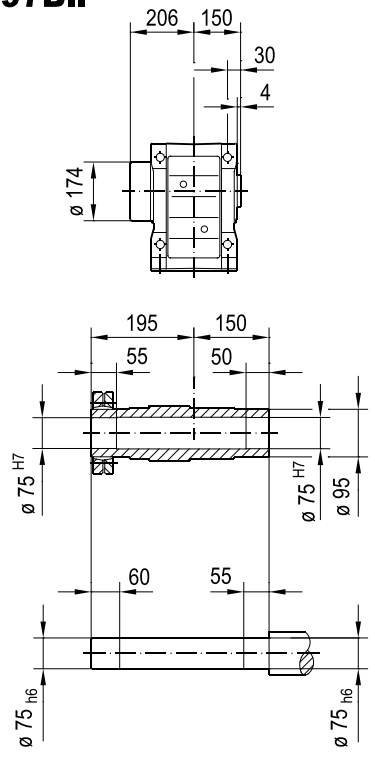
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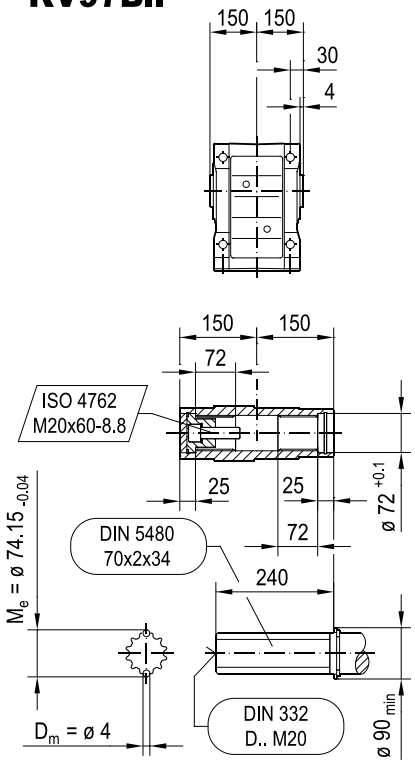
KA97B..



KH97B..



KV97B..

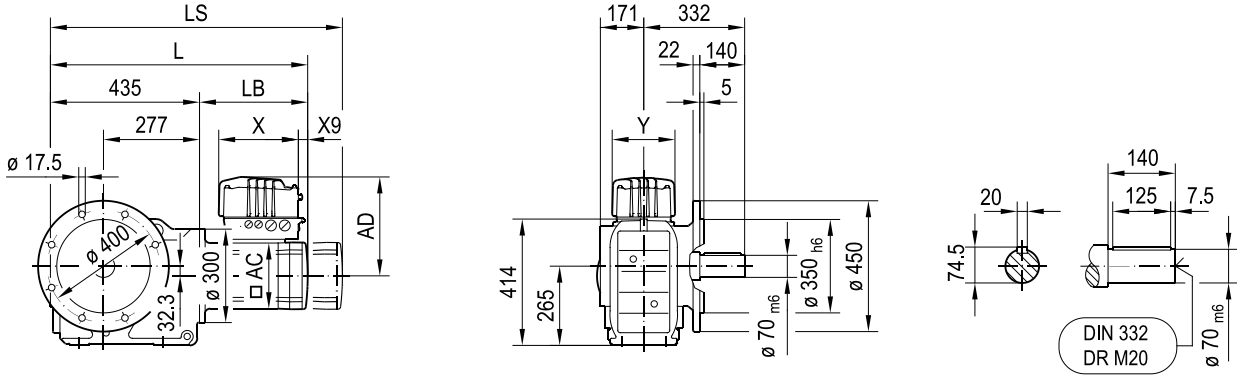


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AD	249	289	289					
L	707	840	840					
LS	748	864	864					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

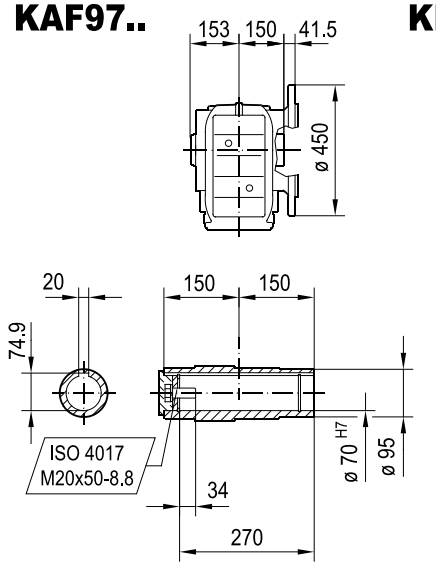
31546617/EN – 04/2026

33 171 00 20

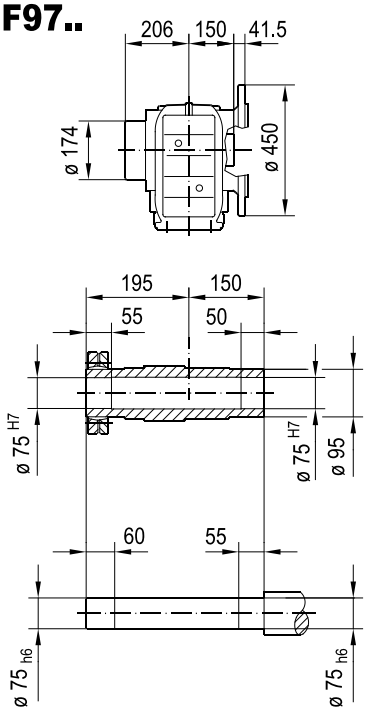
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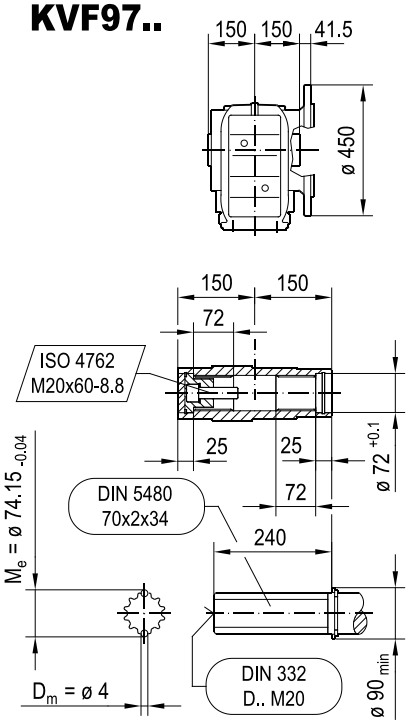
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KHF97..



KVF97..

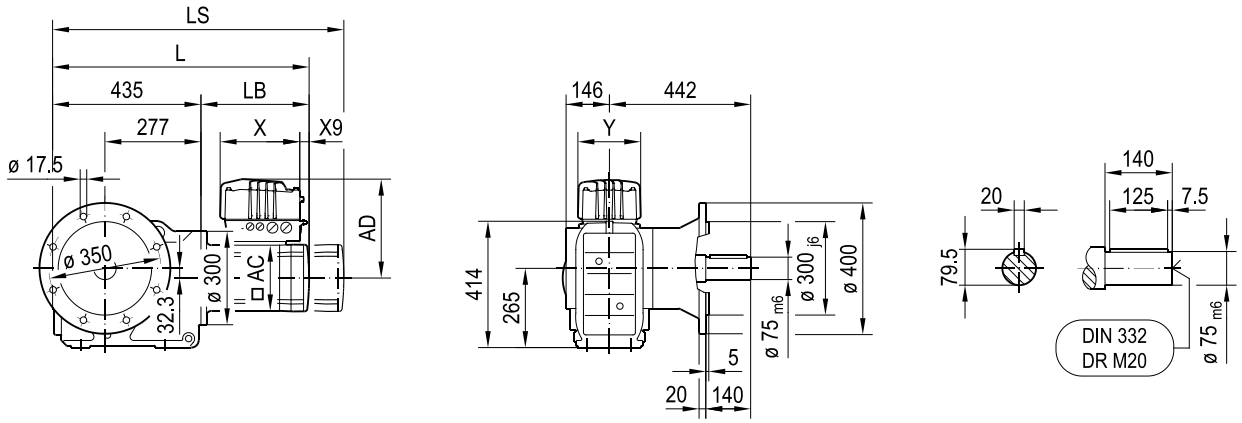


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AD	249	289	289					
L	705	838	838					
LS	746	862	862					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

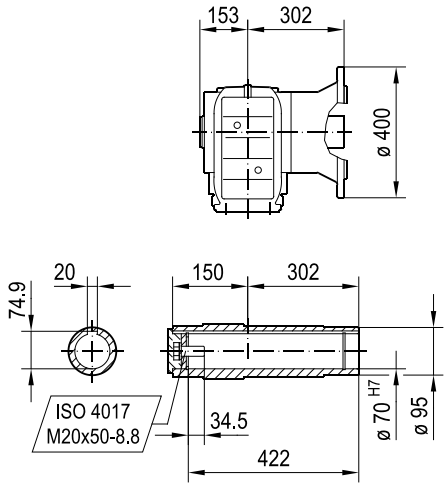
31546617/EN – 04/2026

KM97..

33 172 00 20



KAM97..

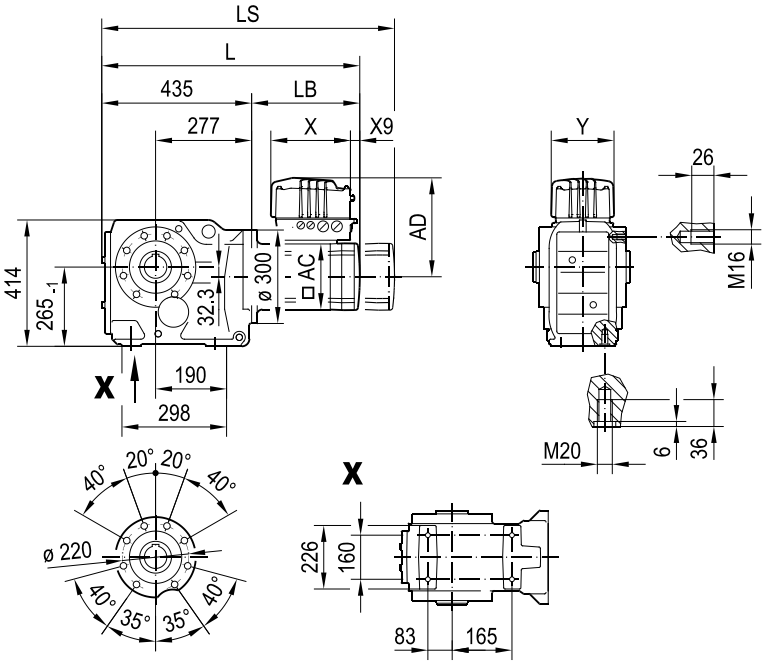


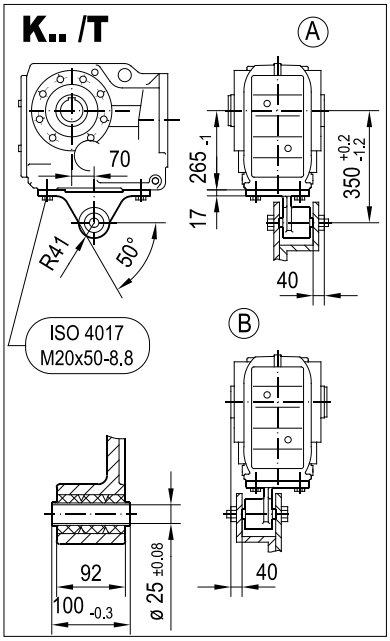
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AD	249	289	289					
L	705	838	838					
LS	746	862	862					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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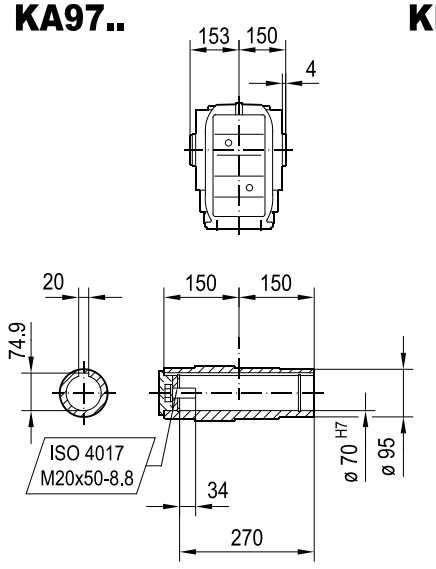
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33 173 00 20

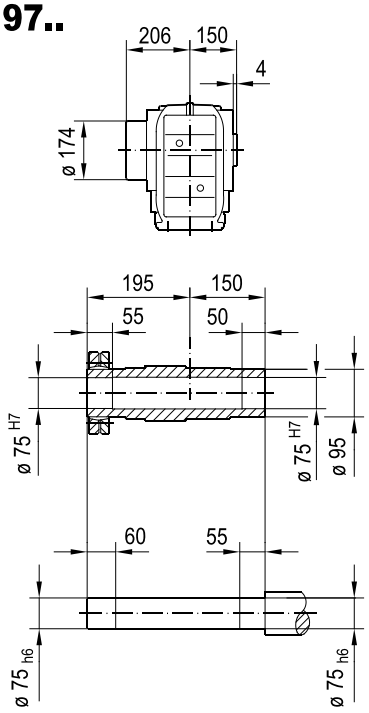




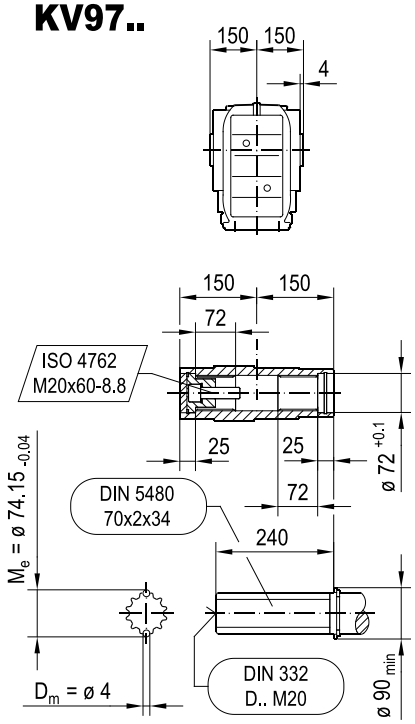
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KH97..



KV97..

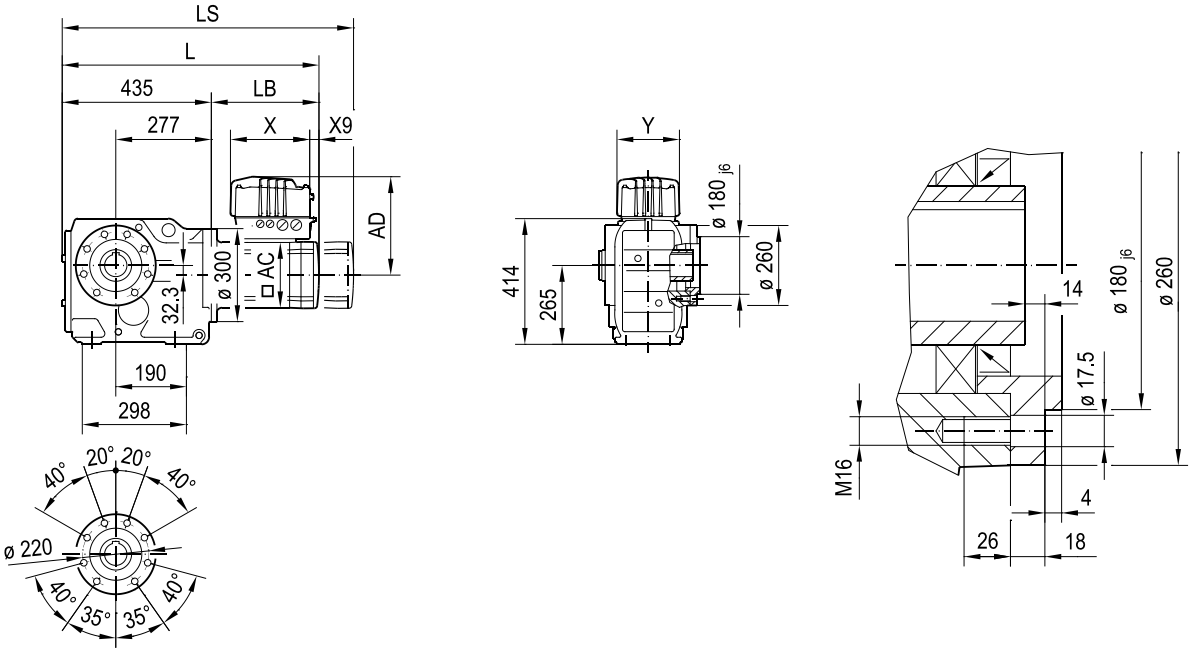


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AD	249	289	289					
L	705	838	838					
LS	746	862	862					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

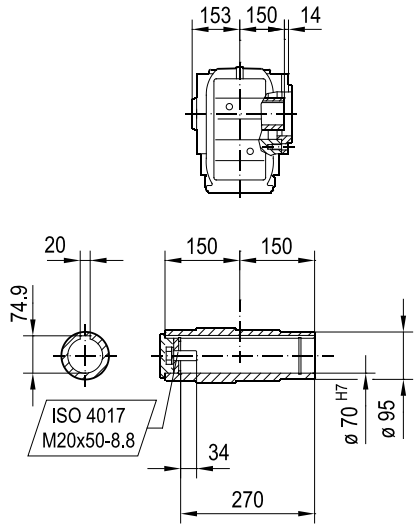
31546617/EN – 04/2026

33 174 00 20

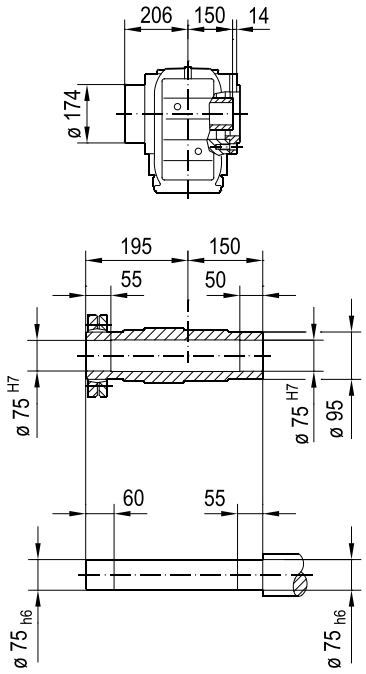
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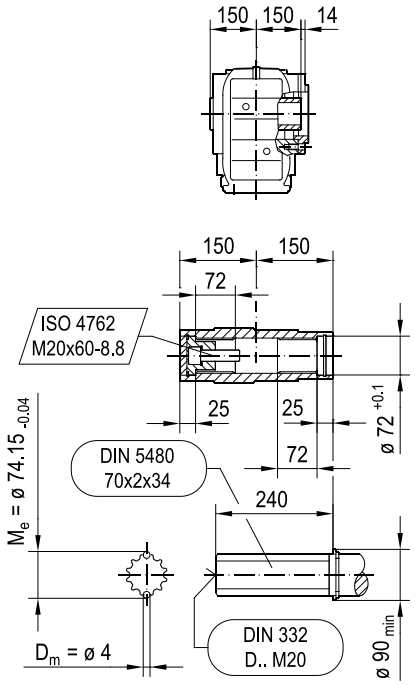
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KHZ97..



KVZ97..

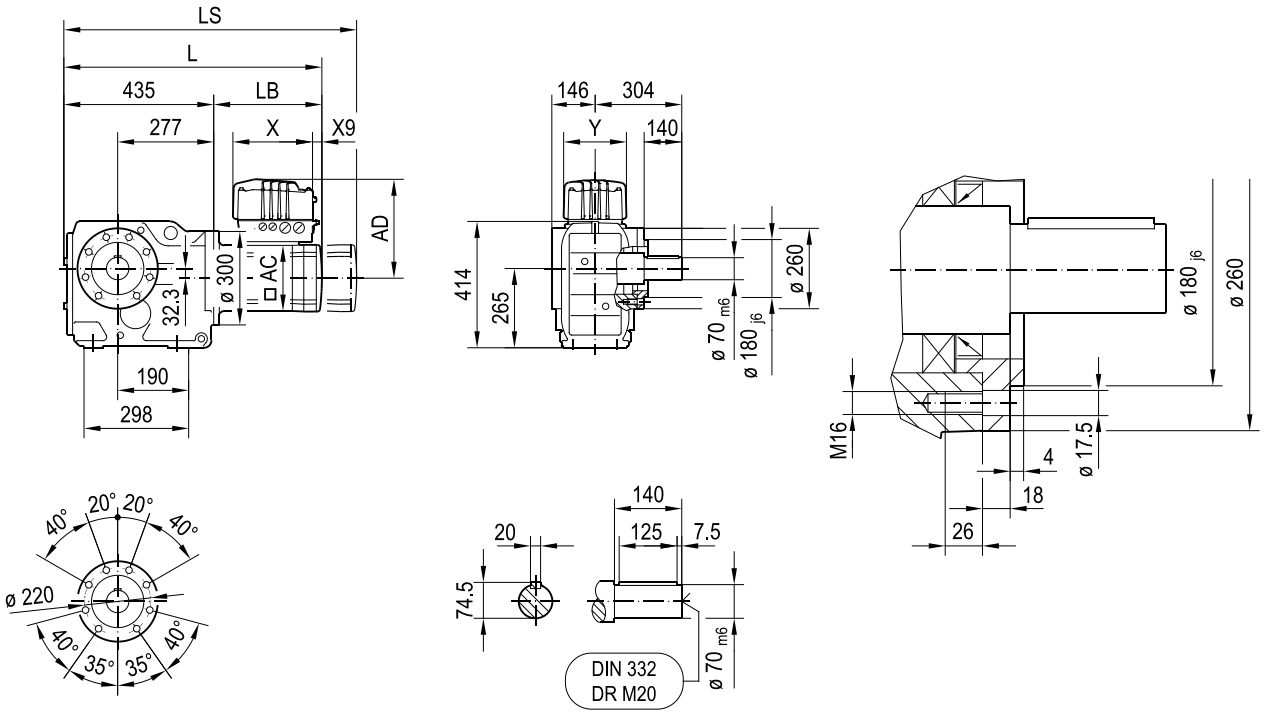


	CM3C/CM3P../D							
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AD	249	289	289					
L	705	838	838					
LS	746	862	862					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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KZ97..

33 175 00 20

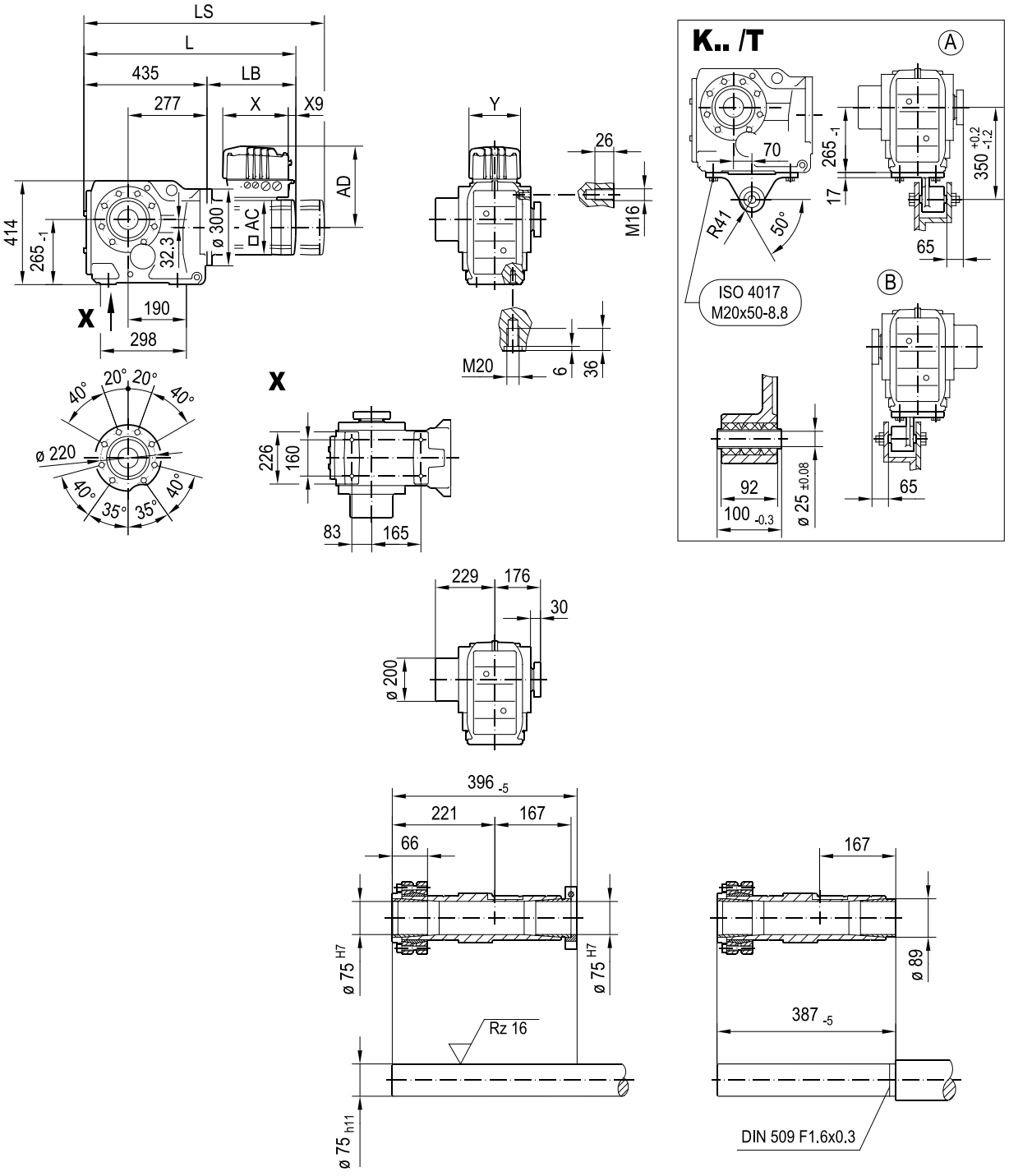


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AD	249	289	289					
L	705	838	838					
LS	746	862	862					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

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KT97..

33 176 00 20

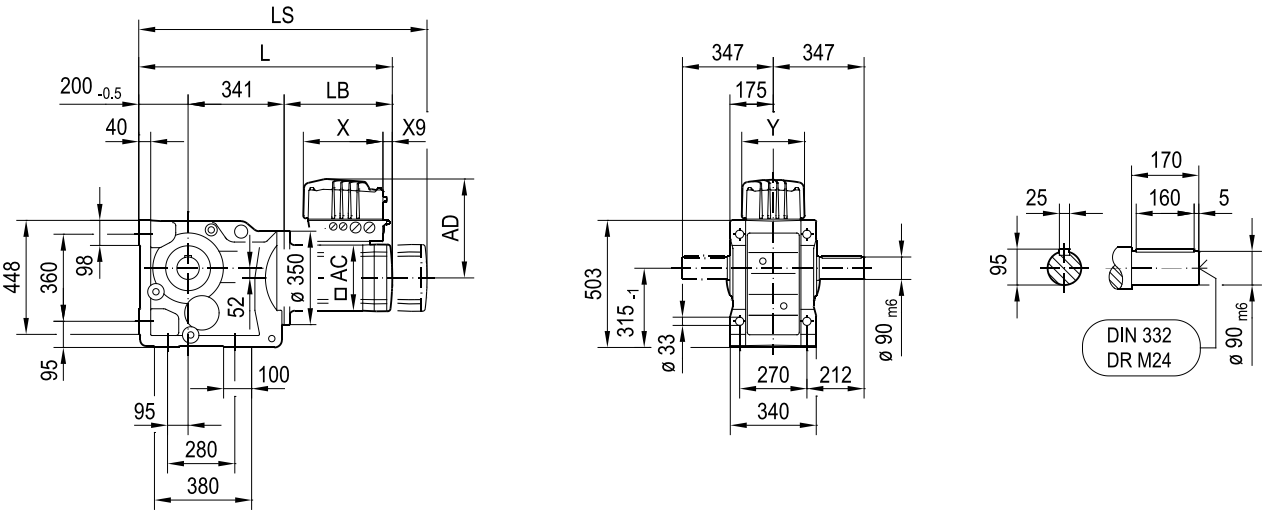


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AD	249	289	289					
L	705	838	838					
LS	746	862	862					
LB	270	403	403					
X	213	288	288					
Y	168	216	216					
X9	17/58	-3/44	-3/44					

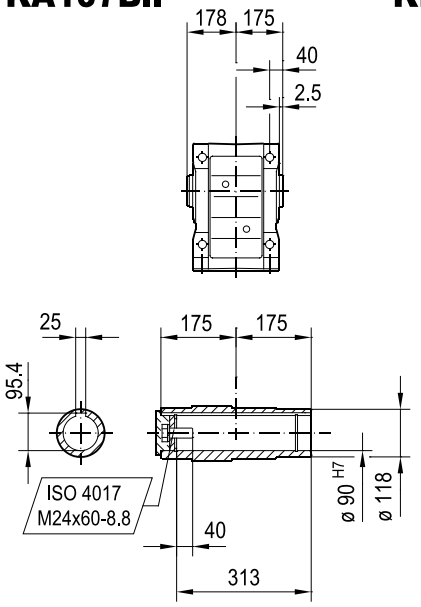
31546617/EN – 04/2026

33 177 00 20

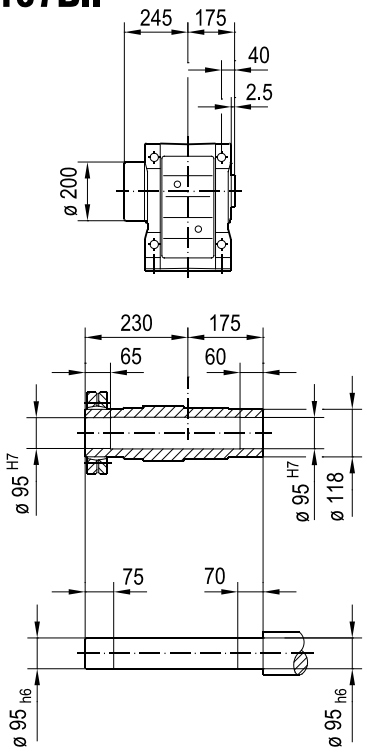
K107..



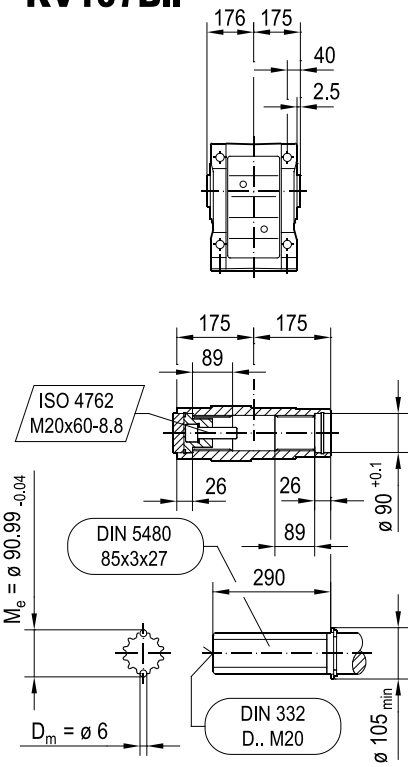
KA107B..



KH107B..



KV107B..

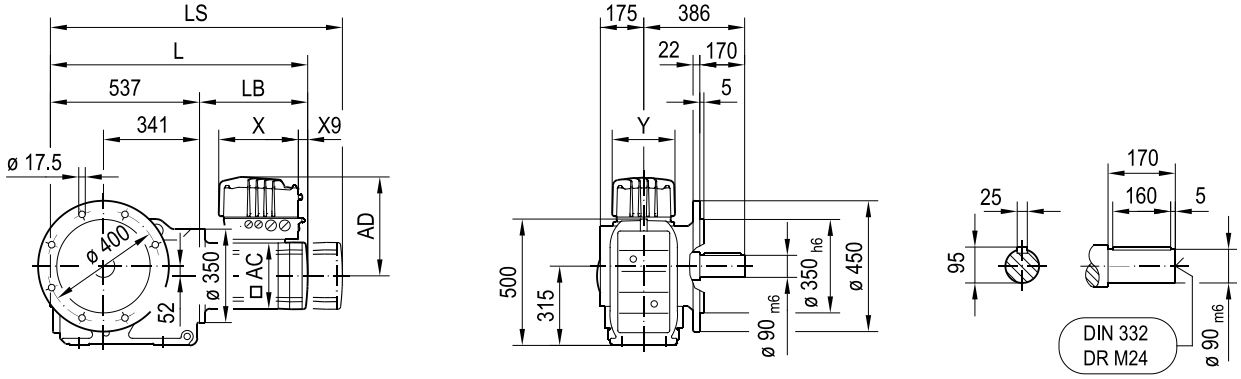


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LS	962	962						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

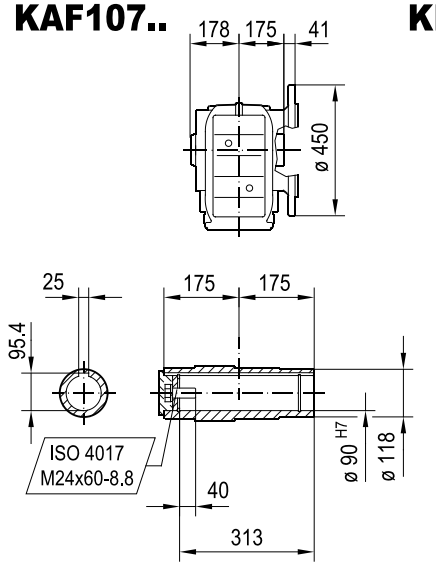
31546617/EN – 04/2026

33 178 00 20

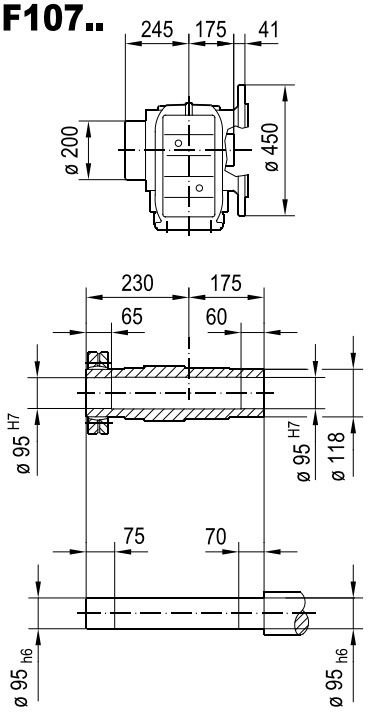
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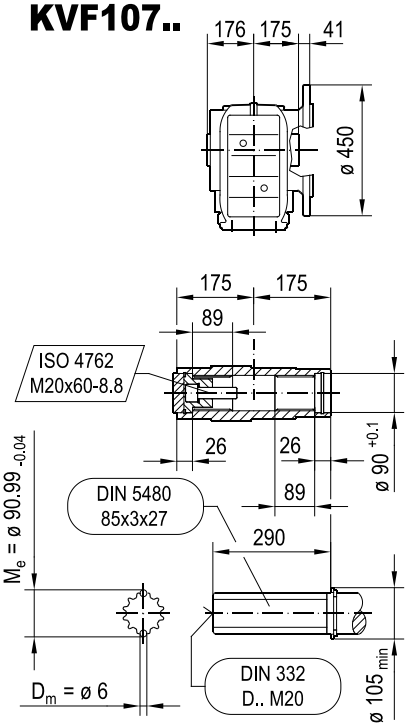
KAF107..



KHF107..



KVF107..

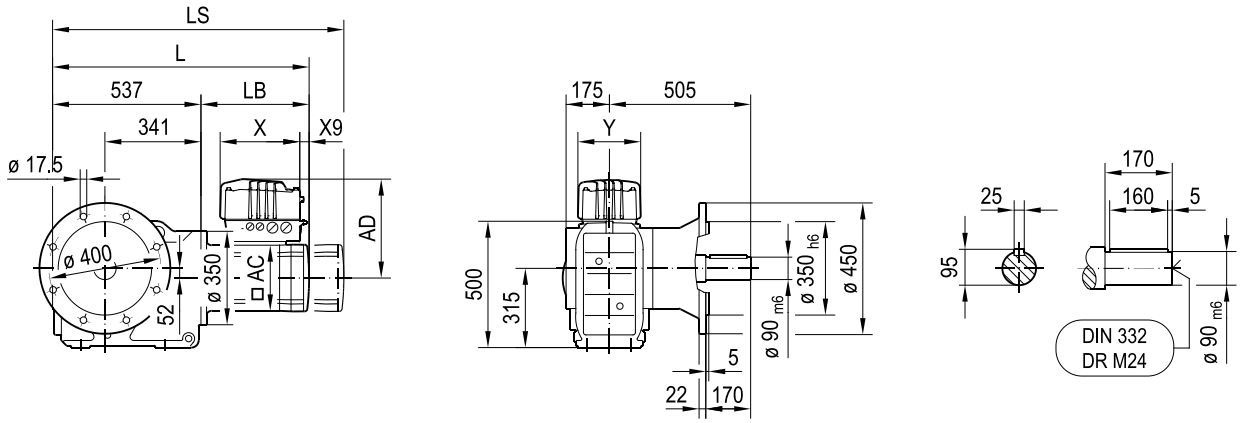


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LS	958	958						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

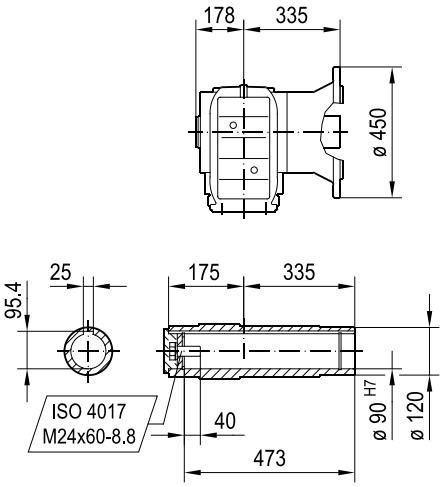
31546617/EN – 04/2026

KM107..

33 179 00 20



KAM107..

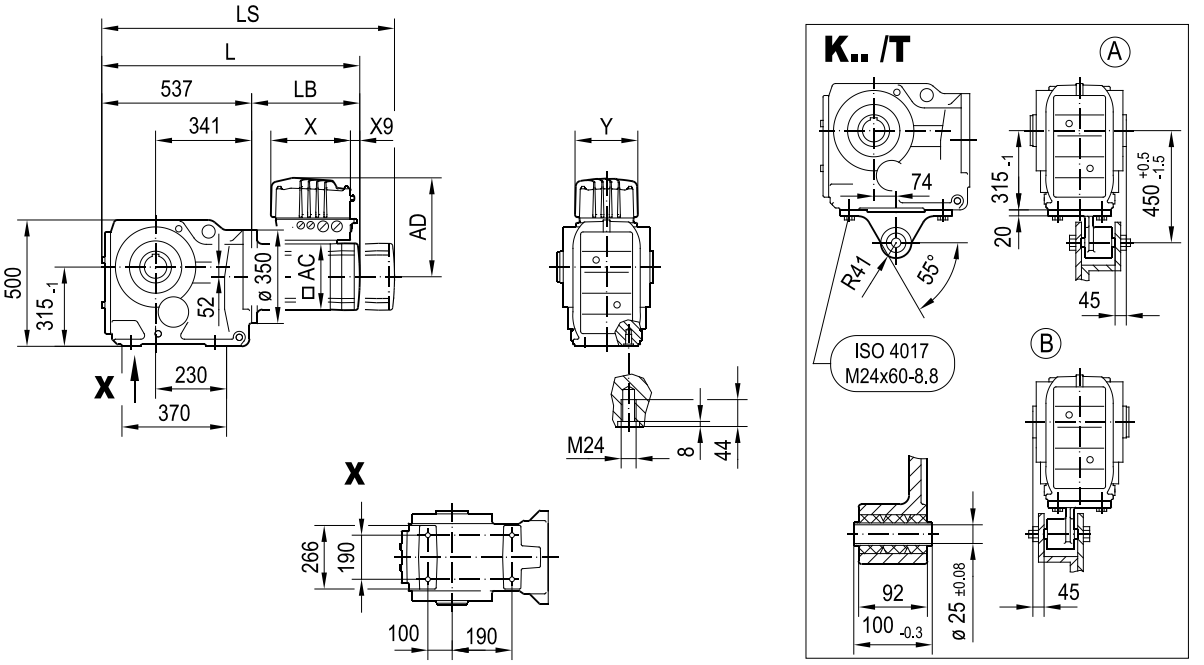


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AD	289	289						
L	934	934						
LS	958	958						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

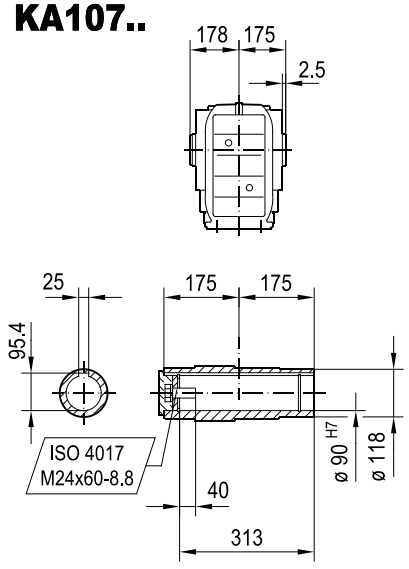
31546617/EN – 04/2026

KA107..

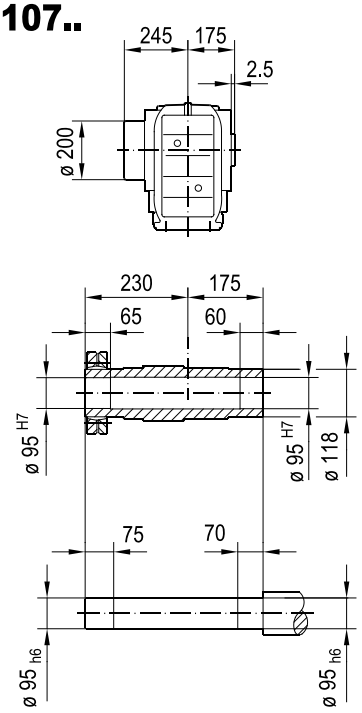
33 180 00 20



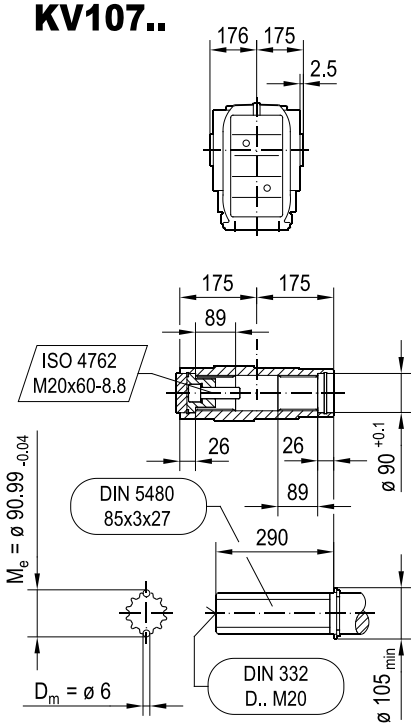
KA107..



KH107..



KV107..

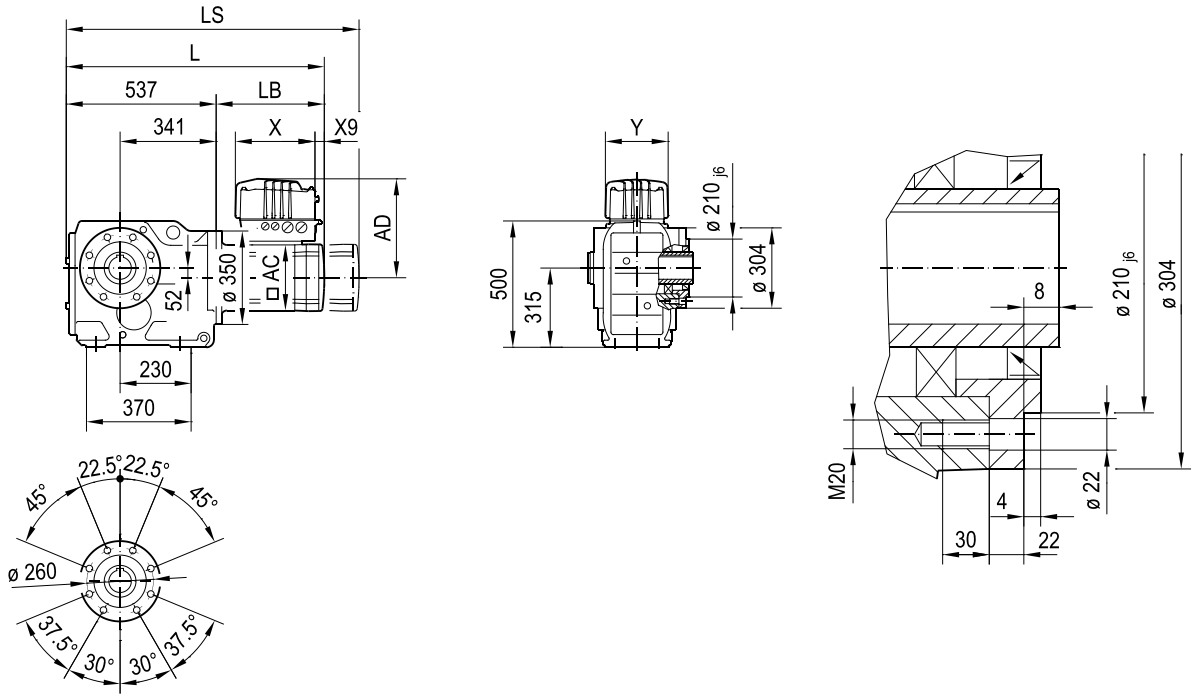


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AD	289	289						
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LS	958	958						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

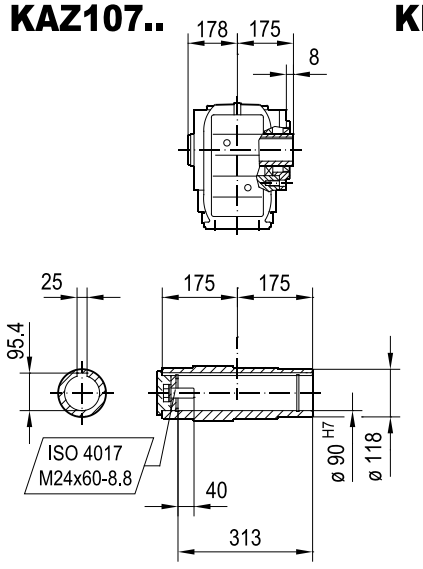
31546617/EN – 04/2026

KAZ107..

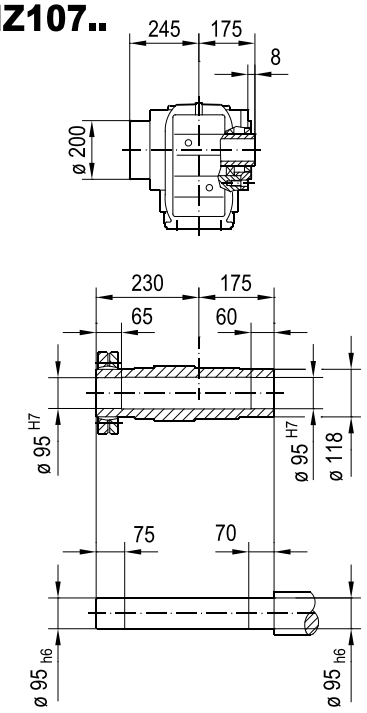
33 181 00 20



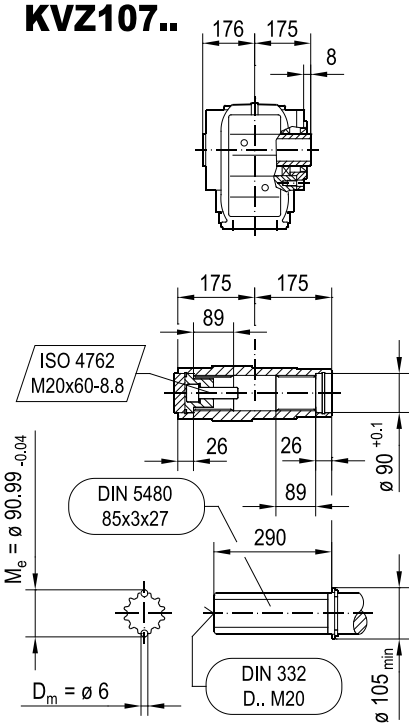
KAZ107..



KHZ107..



KVZ107..

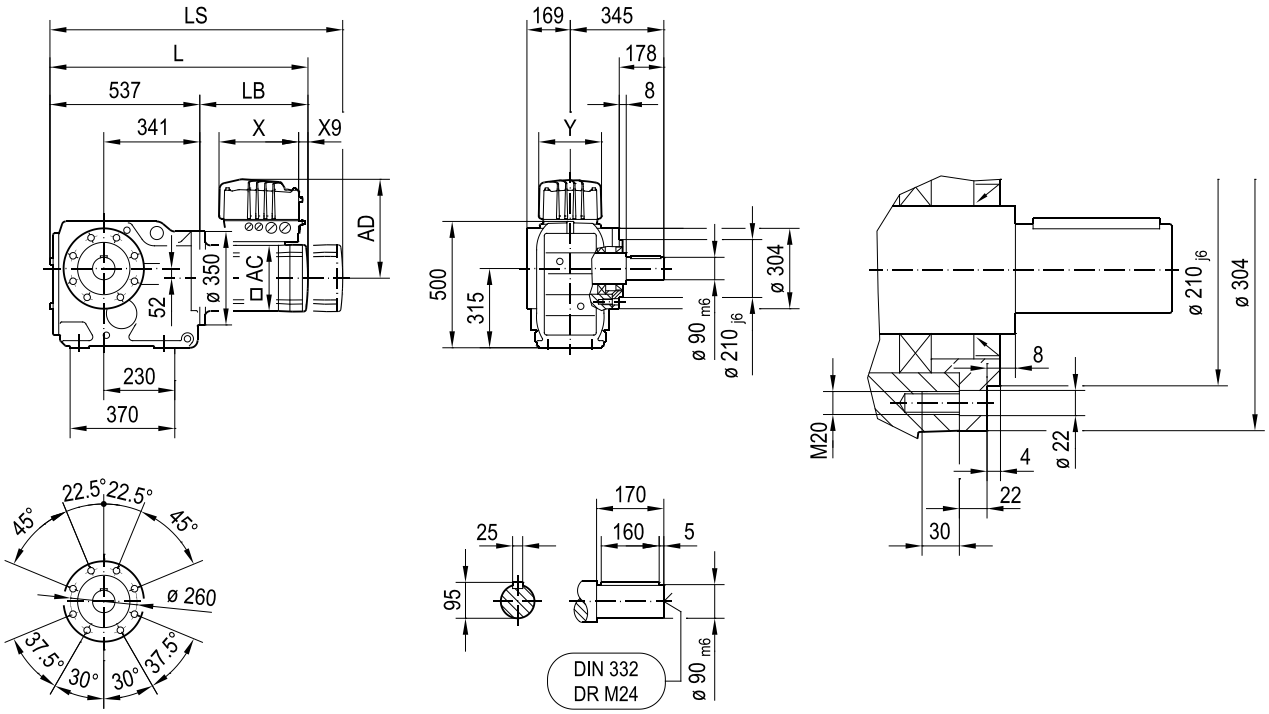


	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	934	934						
LS	958	958						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

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KZ107..

33 182 00 20

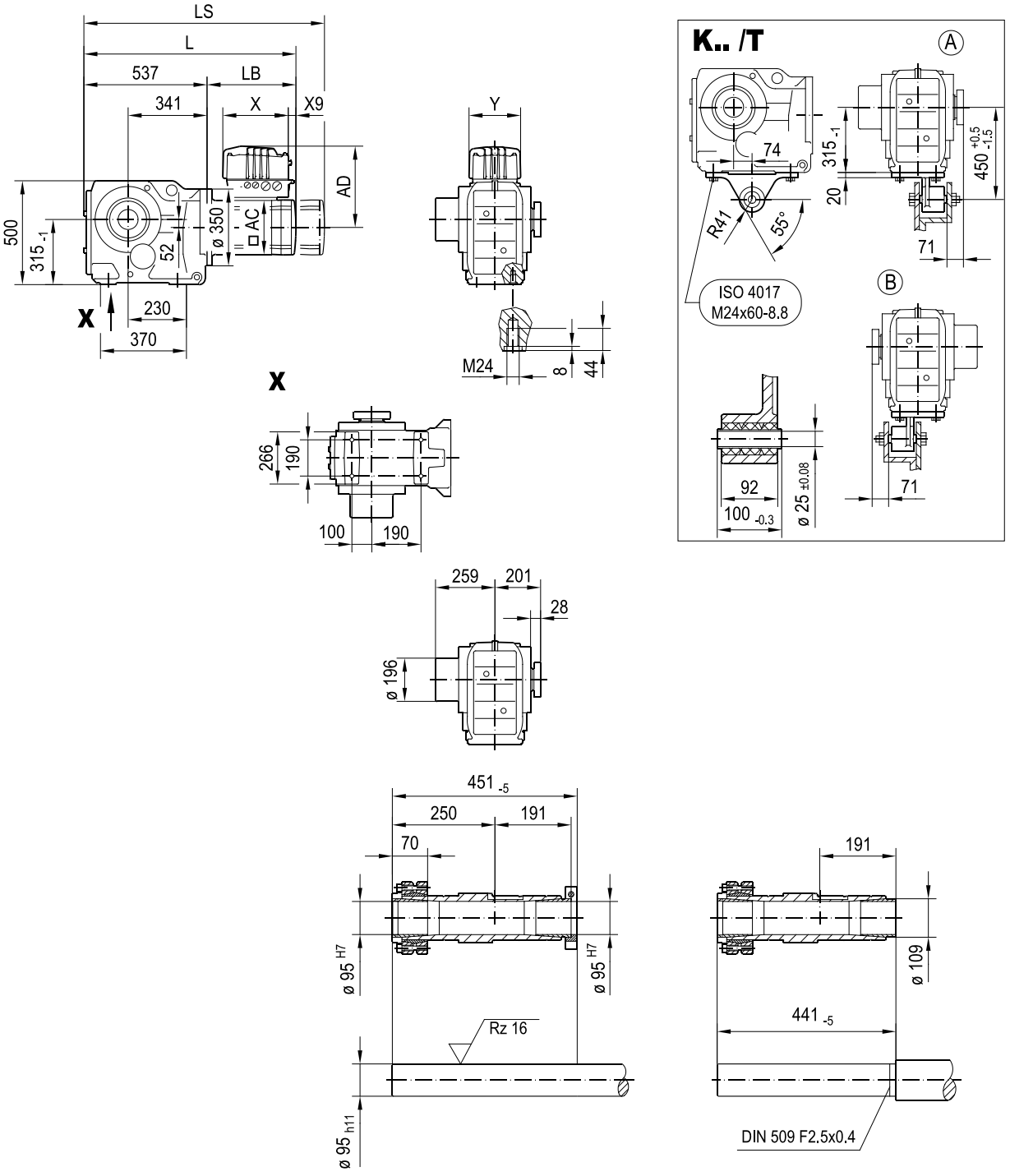


	CM3C/CM3P../D							
	100LM_0070	100LM_0095						
AC	163	163						
AD	289	289						
L	934	934						
LS	958	958						
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X	288	288						
Y	216	216						
X9	-3/44	-3/44						

31546617/EN – 04/2026

KT107..

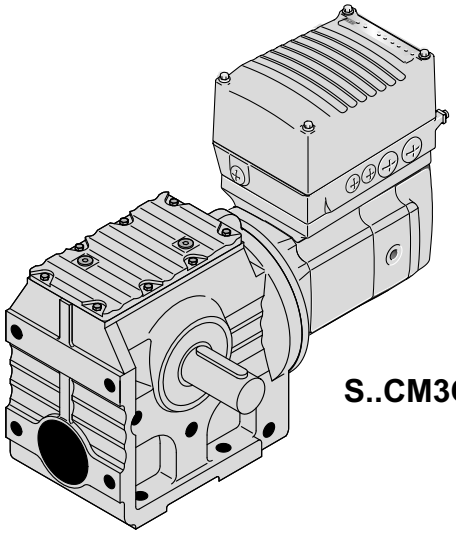
33 183 00 20



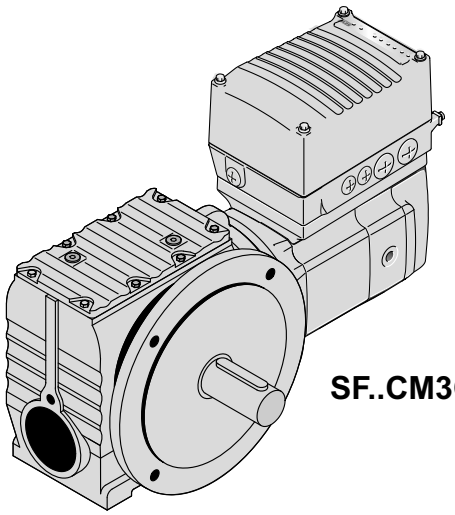
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AC	163	163						
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L	934	934						
LS	958	958						
LB	397	397						
X	288	288						
Y	216	216						
X9	-3/44	-3/44						

31546617/EN – 04/2026

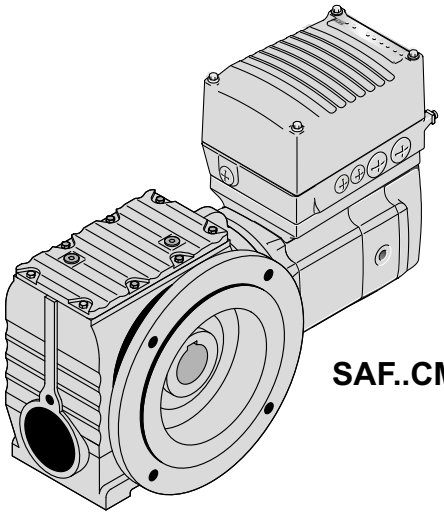
8 S..CM3C../D.. helical-worm gearmotors



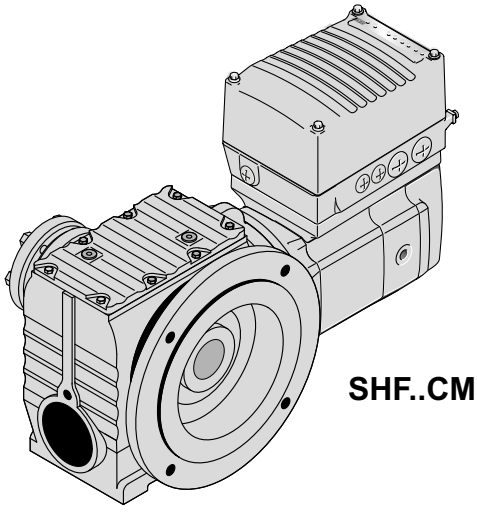
S..CM3C../D..



SF..CM3C../D..



SAF..CM3C../D..

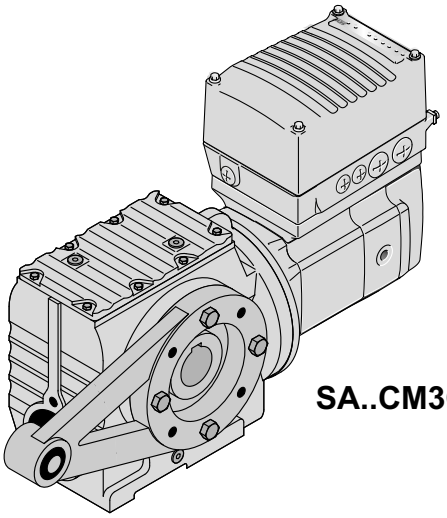


SHF..CM3C../D..

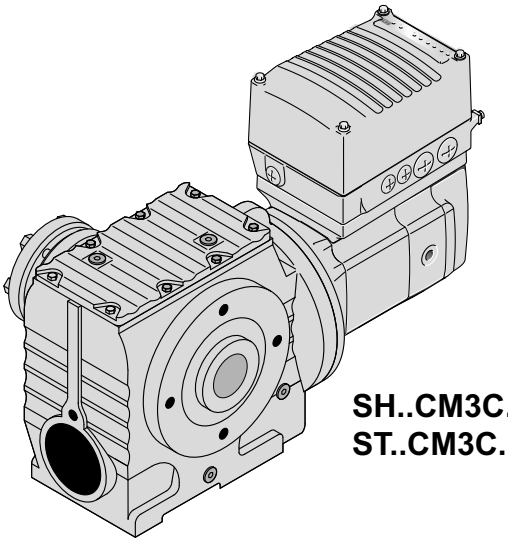
33078728971

31546617/EN – 04/2026

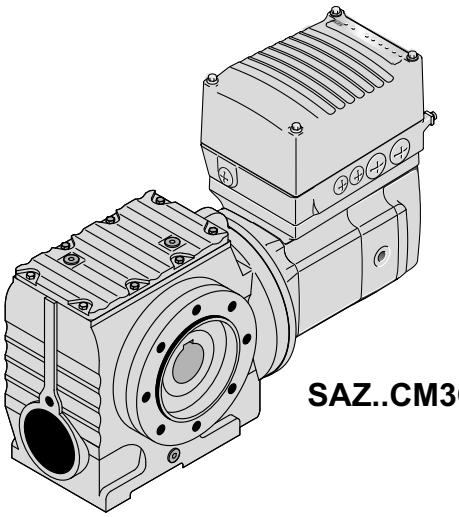
SEW EURODRIVE



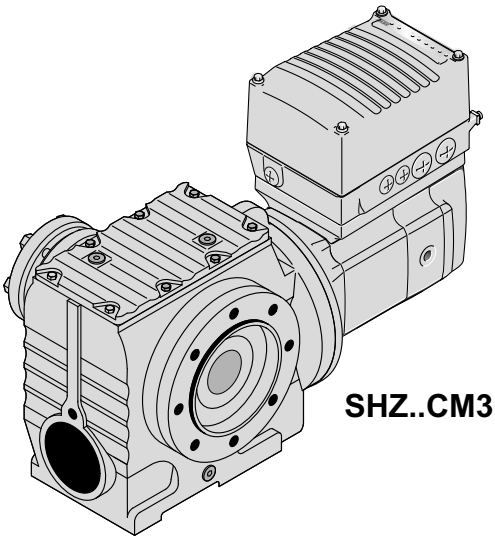
SA..CM3C../D..



SH..CM3C../D..
ST..CM3C../D..



SAZ..CM3C../D..



SHZ..CM3C../D..

33078731403

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8.1 S..CM3C.. selection tables

			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	12	500	12	39	16	48	20	64	26	>72	108	4.00
	11	420	15	46	19	58	24	76	31	>87	130	4.76
	9.3	371	17	52	21	65	27	85	35	>97	146	5.39
	7.8	312	20	62	25	77	33	101	41	>114	171	6.40
	7.3	293	21	66	27	82	35	108	44	>117	176	6.83
	6.9	275	22	69	28	86	36	112	46	>129	175	7.28
	5.8	231	27	81	33	102	43	133	54	>146	185	8.64
	5.4	217	28	87	36	109	46	142	58	>146	185	9.23
	4.6	185	33	102	42	127	54	>145	68	>145	185	10.80
	4.1	165	37	114	47	143	61	>145	76	>145	185	12.10
	3.5	140	44	133	55	>144	71	>144	89	>144	187	14.24
S47	3.0	121									187	16.47
 **2**	2.8	114									187	17.62
	2.6	102	55	168	69	>184	89	>184	112	>184	245	19.54
	2.5	98									187	20.33
	2.2	86	65	199	82	>200	106	>200	133	>200	258	23.20
	2.0	81	70	>205	88	>205	113	>205	142	>205	264	24.77
	1.7	69	81	>215	101	>215	131	>215	>155	>215	264	29.00
	1.5	62	90	>215	112	>215	145	>215	>155	>215	264	32.48
	1.3	52	105	>215	132	>215	>155	>215	>155	>215	264	38.23
	1.1	45									264	44.22
	1.1	42									264	47.32
	0.92	37									264	54.59
	0.78	31									264	63.80
	0.72	29									264	69.39

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
S47	 **2**	25	25	25	25	
SF: + 3.6 kg / SA: + 1.1 kg / SAF: + 2.8 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	S	SF	SA	SAF	S	SF	SA	SAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
S47 2	4.00[1)]	61	72	108	1125	2.5	1980	2420	2740	2740	5680	6160	7000	7000
	4.76[1)]	72	87	130	912	1.8	2010	2490	2780	2780	5610	6100	7000	7000
	5.39[1)]	74	97	146	835	1.5	2110	2600	2920	2920	5560	6050	7000	7000
	6.40[1)]	76	114	171	703	1.1	2260	2780	3120	3120	5470	5970	7000	7000
	6.83[1)]	78	117	176	659	1.0	2300	2840	3190	3190	5460	5960	7000	7000
	7.28[1)]	103	129	175	315	1.1	2110	2690	2940	2940	5410	5910	7000	7000
	8.64[1)]	109	146	185	271	0.83	2230	2840	3110	3110	5310	5820	7000	7000
	9.23[1)]	109	146	185	273	0.74	2310	2930	3210	3210	5310	5820	7000	7000
	10.80[1)]	109	145	185	278	0.57	2500	3150	3480	3480	5310	5820	7000	7000
	12.10[1)]	109	145	185	281	0.47	2650	3310	3670	3670	5310	5820	7000	7000
	14.24[1)]	110	144	187	275	0.35	2850	3540	3950	3950	5320	5830	7000	7000
	16.47	110	144	187	273	0.28	3060	3770	4230	4230	5320	5830	7000	7000
	17.62	110	144	187	255	0.26	3160	3880	4360	4360	5320	5830	7000	7000
	19.54[1)]	144	184	245	88	0.94	3370	4120	4660	4660	5220	5720	7000	7000
	20.33	110	143	187	221	0.20	3370	4130	4650	4650	5320	5830	7000	7000
	23.20[1)]	152	200	255	75	0.72	3570	4360	4940	4940	5130	5630	7000	7000
	24.77[1)]	155	205	260	71	0.65	3650	4460	5050	5050	5100	5600	7000	7000
	29.00[1)]	155	215	260	72	0.49	3920	4760	5420	5420	5030	5530	7000	7000
	32.48[1)]	155	215	260	72	0.41	4120	4990	5690	5690	5030	5530	7000	7000
	38.23[1)]	155	215	260	72	0.31	4420	5330	6100	6100	5030	5530	7000	7000
	44.22[1)]	155	210	260	73	0.25	4710	5660	6490	6490	5060	5570	7000	7000
	47.32[1)]	155	210	260	73	0.23	4850	5810	6680	6680	5060	5570	7000	7000
	54.59	155	210	260	73	0.18	5150	5870	7000	7000	5060	5570	7000	7000
	63.80	155	210	260	71	0.15	5370	5870	7000	7000	5060	5570	7000	7000
	69.39	155	210	260	65	0.13	5370	5870	7000	7000	5060	5570	7000	7000

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			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	12	500	13	40	16	50	21	66	27	78	108	4.00
	11	420	15	48	19	60	25	78	32	93	130	4.76
	9.3	371	18	54	22	68	29	89	36	105	146	5.39
	7.8	312	21	64	26	80	34	105	43	>119	171	6.40
	7.3	293	22	69	28	86	36	113	46	>121	176	6.83
	6.9	275	24	73	30	91	38	119	48	>132	175	7.28
	5.8	231	28	86	35	108	46	141	58	>146	185	8.64
	5.4	217	30	92	38	115	49	>146	61	>146	185	9.23
	4.6	185	35	108	44	135	57	>145	72	>145	185	10.80
	4.1	165	40	121	50	>148	64	>148	81	>148	185	12.10
	3.5	140	47	142	58	>152	75	>152	95	>152	187	14.24
S47p	3.0	121									187	16.47
 **2**	2.8	114									187	17.62
	2.6	102	60	183	75	>220	97	>220	122	>220	245	19.54
	2.5	98									187	20.33
	2.2	86	71	215	89	>230	115	>230	145	>230	255	23.20
	2.0	81	76	>230	95	>230	123	>230	155	>230	260	24.77
	1.7	69	89	>240	112	>240	144	>240	>179	>240	260	29.00
	1.5	62	100	>245	125	>245	162	>245	>186	>245	260	32.48
	1.3	52	116	>250	146	>250	188	>250	>196	>250	260	38.23
	1.1	45									260	44.22
	1.1	42									260	47.32
	0.92	37									260	54.59
	0.78	31									260	63.80
	0.72	29									260	69.39

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
S47p	 **2**	25	25	25	25	
SF: + 3.6 kg / SA: + 1.1 kg / SAF: + 2.8 kg						

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	S	SF	SA	SAF	S	SF	SA	SAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
S47p 2	4.00	75	102	108	785	2.5	1860	2320	2580	2580	5540	6030	7000	7000
	4.76	91	108	130	460	1.8	1740	2220	2430	2430	5510	6010	7000	7000
	5.39	104	113	146	317	1.5	1540	2050	2180	2180	5480	5980	7000	7000
	6.40	118	119	171	225	1.1	1420	1960	2040	2040	5450	5950	7000	7000
	6.83	120	121	176	215	1.0	1490	2040	2120	2120	5440	5940	7000	7000
	7.28	109	132	175	275	1.1	2110	2690	2950	2950	5400	5900	7000	7000
	8.64	131	146	185	162	0.83	1820	2420	2570	2570	5240	5830	7000	7000
	9.23	134	146	185	152	0.74	1870	2490	2650	2650	5240	5830	7000	7000
	10.80	142	145	185	130	0.57	1990	2640	2810	2810	5250	5830	7000	7000
	12.10	146	148	185	121	0.47	2130	2820	3010	3010	5220	5820	7000	7000
	14.24	152	152	187	107	0.35	2350	3080	3310	3310	5170	5800	7000	7000
	16.47	155	156	187	103	0.28	2630	3400	3690	3690	5120	5770	7000	7000
	17.62	156	157	187	101	0.26	2720	3510	3810	3810	5110	5770	7000	7000
	19.54	156	220	245	72	0.94	3280	4050	4550	4550	4960	5460	7000	7000
	20.33	160	160	187	94	0.20	2890	3720	4040	4040	5080	5750	7000	7000
	23.20	165	230	255	61	0.72	3480	4290	4820	4820	4880	5140	7000	7000
	24.77	169	230	260	57	0.65	3550	4380	4930	4930	4880	5140	7000	7000
	29.00	179	240	260	48	0.49	3730	4610	5180	5180	4100	4100	7000	7000
	32.48	186	245	260	43	0.41	3880	4780	5380	5380	3440	3440	7000	7000
	38.23	196	250	260	37	0.31	4090	5050	5680	5680	2600	2600	7000	7000
	44.22	200	245	260	35	0.25	4350	5350	6030	6030	3440	3440	7000	7000
	47.32	200	245	260	35	0.23	4480	5500	6220	6220	3440	3440	7000	7000
	54.59	200	245	260	35	0.18	4790	5640	6630	6630	3440	3440	7000	7000
	63.80	200	240	260	35	0.15	5130	5640	7000	7000	4100	4100	7000	7000
	69.39	200	240	260	35	0.13	5130	5640	7000	7000	4100	4100	7000	7000

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	12	500	12	39	16	48	20	64	26	75	28	85	32	95	159	4.00
	11	420	15	46	19	58	24	76	31	90	34	101	38	113	189	4.76
	9.3	371	17	52	21	65	28	86	35	102	38	115	43	128	210	5.39
	7.8	312	20	62	25	77	33	101	41	120	45	135	51	>147	220	6.40
	7.3	293	21	66	27	82	35	108	44	128	48	144	54	>150	225	6.83
	6.9	275	23	70	29	88	37	115	47	136	51	154	58	171	248	7.28
	5.8	231	27	82	34	103	44	135	55	160	60	180	68	200	282	8.64
	5.4	217	29	88	36	110	47	144	59	171	64	193	73	210	287	9.23
	4.6	185	34	103	42	129	55	169	69	200	76	>220	85	>220	287	10.80
	4.1	165	38	116	47	144	61	189	77	>220	85	>220	95	>220	287	12.10
	3.5	140	44	135	55	168	71	>220	90	>220					287	14.24
S57	3.0	121													286	16.47
 2	2.8	114													286	17.62
	2.6	102	56	172	71	215	91	>270	115	>270	126	>270	142	>270	366	19.54
	2.5	98													286	20.33
	2.2	86	67	200	84	255	108	>315	137	>315	150	>315	169	>315	417	23.20
	2.0	81	71	215	89	265	114	>330	144	>330	158	>330	178	>330	417	24.77
	1.7	69	83	250	104	315	134	>360	169	>360	185	>360	205	>360	417	29.00
	1.5	62	92	275	115	345	148	>365	187	>365	205	>365	230	>365	417	32.48
	1.3	52	107	325	134	>365	172	>365	215	>365					417	38.23
	1.1	45													417	44.22
	1.1	42													417	47.32
	0.92	37													417	54.59
	0.78	31													417	63.80
	0.72	29													417	69.39

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
S57	 2	28	28	28	29	31	31	
SF: + 3.8 kg / SA: + -0.3 kg / SAF: + 2.6 kg								

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	S	SF	SA	SAF	S	SF	SA	SAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
S57 2	4.00[1)]	88	106	159	1125	4.5	3380	3320	2730	2730	8170	8170	10000	10000
	4.76[1)]	93	126	189	945	3.3	3590	3520	2900	2900	8110	8110	10000	10000
	5.39[1)]	95	142	210	835	2.6	3760	3690	3040	3040	8060	8060	10000	10000
	6.40[1)]	98	147	220	703	1.9	4010	3930	3250	3250	8040	8040	10000	10000
	6.83[1)]	100	150	225	659	1.7	4100	4010	3330	3330	8030	8030	10000	10000
	7.28[1)]	146	183	245	453	1.7	3790	3770	2620	2620	7880	7880	10000	10000
	8.64[1)]	166	210	280	318	1.3	3900	3890	2430	2430	7730	7730	10000	10000
	9.23[1)]	169	220	285	306	1.1	3990	3980	2530	2530	7660	7660	10000	10000
	10.80[1)]	169	220	285	313	0.85	4290	4270	3000	3000	7680	7680	10000	10000
	12.10[1)]	169	220	285	318	0.70	4520	4490	3360	3360	7680	7680	10000	10000
	14.24	169	220	285	316	0.51	4860	4820	3810	3810	7680	7680	10000	10000
	16.47	168	220	285	273	0.40	5200	5130	4120	4120	7680	7680	10000	10000
	17.62	168	215	285	255	0.36	5350	5280	4260	4260	7710	7710	10000	10000
	19.54[1)]	215	270	365	115	1.3	5720	5620	4610	4610	7300	7300	10000	10000
	20.33	168	215	285	221	0.28	5690	5600	4560	4560	7710	7710	10000	10000
	23.20[1)]	245	315	415	78	0.95	5930	5840	4710	4710	6950	6950	10000	10000
	24.77[1)]	245	330	415	79	0.85	6100	6000	4870	4870	6800	6800	10000	10000
	29.00[1)]	245	360	415	80	0.65	6520	6410	5250	5250	6470	6470	10000	10000
	32.48[1)]	245	365	415	80	0.54	6840	6710	5540	5540	6380	6380	10000	10000
	38.23[1)]	245	365	415	81	0.39	7320	7170	5970	5970	6380	6380	10000	10000
	44.22[1)]	245	365	415	81	0.32	7520	7520	6380	6380	6380	6380	10000	10000
	47.32[1)]	245	365	415	82	0.28	7520	7520	6580	6580	6380	6380	10000	10000
	54.59	245	365	415	82	0.23	7520	7520	7000	7000	6380	6380	10000	10000
	63.80	245	360	415	71	0.18	7520	7520	7500	7500	6470	6470	10000	10000
	69.39	245	360	415	65	0.15	7520	7520	7770	7770	6470	6470	10000	10000

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
	12	500	13	40	16	50	21	66	27	78	29	88	33	98	159	4.00
	11	420	15	48	19	60	25	78	32	93	35	105	39	116	189	4.76
	9.3	371	18	54	22	68	29	89	36	105	40	119	45	132	210	5.39
	7.8	312	21	64	26	80	34	105	43	125	47	141	53	157	220	6.40
	7.3	293	22	69	28	86	36	113	46	134	50	151	57	167	225	6.83
	6.9	275	24	73	30	91	38	119	48	141	53	159	60	176	245	7.28
	5.8	231	28	86	35	108	46	141	58	167	63	189	71	205	280	8.64
	5.4	217	30	92	38	115	49	151	61	179	67	200	76	220	285	9.23
	4.6	185	35	108	44	135	57	176	72	205	79	>235	89	>235	285	10.80
	4.1	165	40	121	50	151	64	198	81	230	89	>240	100	>240	285	12.10
	3.5	140	47	142	58	178	75	230	95	>250					285	14.24
S57p	3.0	121													285	16.47
 **2**	2.8	114													285	17.62
	2.6	102	61	185	76	230	98	300	124	355	135	>365	152	>365	365	19.54
	2.5	98													285	20.33
	2.2	86	72	220	90	270	117	355	147	>385	161	>385	181	>385	415	23.20
	2.0	81	77	230	96	290	124	380	157	>390	172	>390	193	>390	415	24.77
	1.7	69	90	275	113	340	146	>405	184	>405	200	>405	225	>405	415	29.00
	1.5	62	101	305	127	380	163	>415	205	>415	225	>415	250	>415	415	32.48
	1.3	52	119	360	149	>430	192	>430	240	>430					480	38.23
	1.1	45													500	44.22
	1.1	42													515	47.32
	0.92	37													540	54.59
	0.78	31													555	63.80
	0.72	29													555	69.39

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
S57p	 **2**	28	28	28	29	31	31	
SF: + 3.8 kg / SA: + -0.3 kg / SAF: + 2.6 kg								

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	S	SF	SA	SAF	S	SF	SA	SAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
S57p 2	4.00	108	156	159	1015	4.5	3240	3200	2280	2280	8000	8000	10000	10000
	4.76	129	168	189	634	3.3	3290	3270	1940	1940	7950	7950	10000	10000
	5.39	147	176	210	449	2.6	3300	3300	1630	1630	7910	7910	10000	10000
	6.40	156	187	220	394	1.9	3490	3490	1770	1770	7860	7860	10000	10000
	6.83	162	191	225	357	1.7	3550	3550	1740	1740	7840	7840	10000	10000
	7.28	155	210	245	390	1.7	3790	3760	2550	2550	7740	7740	10000	10000
	8.64	187	220	280	230	1.3	3800	3800	2030	2030	7680	7680	10000	10000
	9.23	199	225	285	193	1.1	3800	3820	1850	1850	7650	7650	9970	9970
	10.80	225	235	285	137	0.85	3860	3900	1540	1540	7580	7580	9850	9850
	12.10	225	240	285	139	0.70	4090	4120	1910	1910	7550	7550	9790	9790
	14.24	225	250	285	141	0.51	4440	4450	2470	2470	7480	7480	9670	9670
	16.47	225	255	285	144	0.40	4760	4760	2990	2990	7450	7450	9610	9610
	17.62	225	260	285	145	0.36	4920	4910	3240	3240	7410	7410	9550	9550
	19.54	250	365	365	75	1.3	5500	5430	4320	4320	6410	6410	9290	9290
	20.33	225	265	285	146	0.28	5260	5240	3790	3790	7370	7370	9480	9480
	23.20	270	385	415	60	0.95	5780	5710	4520	4520	6160	6160	9100	9100
	24.77	275	390	415	57	0.85	5910	5840	4630	4630	6090	6090	9060	9060
	29.00	290	405	415	49	0.65	6230	6160	4880	4880	5880	5880	8920	8920
	32.48	300	415	415	45	0.54	6480	6400	5080	5080	4920	4920	8830	8830
	38.23	320	430	480	37	0.39	6820	6740	5330	5330	2600	2600	8690	8690
	44.22	335	435	500	33	0.32	6740	6740	5600	5600	900	900	8640	8640
	47.32	345	435	515	30	0.28	6640	6640	5710	5710	900	900	8640	8640
	54.59	360	435	540	26	0.23	6470	6470	6000	6000	900	900	8640	8640
	63.80	370	435	555	24	0.18	6350	6350	6400	6400	900	900	8630	8630
	69.39	370	435	555	24	0.15	6350	6350	6680	6680	900	900	8630	8630

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
S67 2	6.6	265	24	73	30	91	39	119	49	141	53	160	60	177	104	310	141	>375	502	7.56
	5.8	230	27	84	34	105	44	137	56	163	61	184	69	200	120	360	162	>420	570	8.69
	5.0	199	32	97	40	121	51	158	65	188	71	210	80	235	139	415	187	>450	578	10.03
	4.5	181	35	107	44	133	56	174	71	205	78	230	88	255	153	>455	205	>455	578	11.03
	3.9	154	41	125	51	156	66	205	84	240	92	270	103	300	179	>455	240	>455	578	12.96
	3.6	146	43	133	54	166	70	215	89	255	97	290	109	320	190	>455	255	>455	578	13.73
	3.2	128	49	149	61	186	79	240	100	285	109	325	123	360					578	15.60
	2.9	116	54	165	68	205	88	270	111	320	121	360	136	400					578	17.28
	2.5	99									133	395	149	435	255	>490	345	>490	723	20.30
	2.5	98	63	193	79	240	102	315	129	370									578	20.37
	2.2	86																	578	23.22
	2.1	86	68	205	86	260	110	340	139	400	153	455	172	505	295	>515	400	>515	816	23.33
	2.0	82																	578	24.44
	1.9	74	78	235	98	295	126	385	159	460	174	515	196	>535	340	>535	455	>535	816	26.93
	1.7	67	86	260	108	325	139	425	175	505	192	>550	215	>550	370	>550	>480	>550	816	29.63
	1.4	57	100	300	125	375	161	495	200	>575	220	>575	250	>575	430	>575	>480	>575	816	34.80
	1.4	54	106	320	132	400	170	520	215	>580	235	>580	265	>580	455	>580	>480	>580	816	36.85
	1.2	48	120	365	150	455	194	>595	240	>595	265	>595	300	>595					816	41.89
	1.1	43	131	395	164	495	210	>610	265	>610	290	>610	325	>610					816	46.40
	0.91	37	153	465	191	580	245	>625	310	>625									816	54.70
	0.80	32																	816	62.35
	0.76	30																	816	65.63
	0.67	27																	816	75.06

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
S67	2	38	38	38	39	41	41	54	54
SF: + 6.5 kg / SA: + 1.0 kg / SAF: + 5.5 kg									

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CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	S	SF	SA	SAF	S	SF	SA	SAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
S67 2	7.56[1)]	295	375	500	574	5.4	3220	3890	2540	2540	9740	9740	12000	12000
	8.69[1)]	335	420	570	414	4.3	2860	3590	2020	2020	9460	9460	12000	12000
	10.03[1)]	340	450	575	399	3.3	3290	4050	2480	2480	9250	9250	12000	12000
	11.03[1)]	340	455	575	399	2.8	3660	4430	2890	2890	9210	9210	12000	12000
	12.96[1)]	340	455	575	347	2.2	4310	5110	3610	3610	9210	9210	12000	12000
	13.73[1)]	340	455	575	328	2.0	4510	5310	3870	3870	9210	9210	12000	12000
	15.60	340	455	575	288	1.5	4820	5640	4480	4480	9210	9210	12000	12000
	17.28	340	455	575	260	1.3	5080	5910	4990	4990	9210	9210	12000	12000
	20.30[1)]	425	490	720	181	4.0	5760	6650	6090	6090	8940	8940	12000	12000
	20.37	340	450	575	221	0.99	5520	6360	5700	5700	9250	9250	12000	12000
	23.22	340	450	575	194	0.71	5890	6740	6110	6110	9250	9250	12000	12000
	23.33[1)]	480	515	810	126	3.2	5810	6800	6120	6120	8720	8720	12000	12000
	24.44	340	450	575	184	0.63	6040	6900	6270	6270	9250	9250	12000	12000
	26.93[1)]	480	535	810	127	2.6	6240	7240	6590	6590	8540	8540	12000	12000
	29.63[1)]	480	550	810	128	2.2	6540	7540	6920	6920	8390	8390	12000	12000
	34.80[1)]	480	575	810	129	1.8	7060	8080	7490	7490	8140	8140	12000	12000
	36.85[1)]	480	580	810	122	1.6	7250	8280	7710	7710	8080	8080	12000	12000
	41.89[1)]	480	595	810	107	1.3	7690	8740	8200	8200	7920	7920	12000	12000
	46.40[1)]	480	610	810	97	1.1	8060	9020	8600	8600	7740	7740	12000	12000
	54.70	480	625	810	82	0.84	8670	9020	9280	9280	7560	7560	12000	12000
	62.35	480	640	810	72	0.59	9020	9020	9850	9850	7370	7370	12000	12000
	65.63	480	645	810	69	0.53	9020	9020	10100	10100	6930	7300	12000	12000
	75.06	480	655	810	60	0.43	9020	9020	10700	10700	5930	7170	12000	12000

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			CM3C../D																	
			80S_ 0020		80S_ 0025		80S_ 0032		80S_ 0040		80M_ 0040		80M_ 0055		100LM_ 0070		100LM_ 0095			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
	6.6	265	25	76	31	95	40	125	51	148	56	167	63	185	109	325	147	>375	500	7.56
	5.8	230	29	88	36	109	46	143	58	170	64	192	72	210	126	375	169	>420	570	8.69
	5.0	199	33	101	41	126	54	166	68	196	74	220	83	245	145	435	195	>450	575	10.03
	4.5	181	36	111	46	139	59	182	74	215	82	240	92	270	160	>455	215	>455	575	11.03
	3.9	154	43	131	54	163	69	210	87	250	96	285	108	315	188	>455	250	>455	575	12.96
	3.6	146	45	139	57	173	74	225	93	265	102	300	114	335	199	>455	265	>455	575	13.73
	3.2	128	52	158	65	197	84	255	105	305	116	345	130	380					575	15.60
	2.9	116	57	173	71	215	92	280	116	335	127	375	143	415					575	17.28
	2.5	99									141	420	158	465	275	>560	370	>560	720	20.30
	2.5	98	67	200	84	250	108	330	136	395									575	20.37
S67p	2.2	86																	575	23.22
2	2.1	86	73	220	92	275	119	365	149	430	164	485	184	540	320	>585	430	>585	810	23.33
	2.0	82																	575	24.44
	1.9	74	85	255	106	320	137	420	172	500	189	560	210	>610	365	>610	495	>610	810	26.93
	1.7	67	93	280	117	350	151	460	190	550	205	620	230	>625	405	>625	545	>625	810	29.63
	1.4	57	110	330	137	415	177	545	220	645	240	>650	275	>650	475	>650	>640	>650	810	34.80
	1.4	54	115	345	144	435	185	570	230	>660	255	>660	285	>660	500	>660	>655	>660	810	36.85
	1.2	48	131	395	163	495	210	645	265	>675	290	>675	325	>675					810	41.89
	1.1	43	145	440	181	545	230	>690	290	>690	320	>690	360	>690					810	46.40
	0.91	37	171	515	210	645	275	>705	345	>705									810	54.70
	0.80	32																	810	62.35
	0.76	30																	810	65.63
	0.67	27																	810	75.06

m kg		CM3C../D							
		80S_ 0020	80S_ 0025	80S_ 0032	80S_ 0040	80M_ 0040	80M_ 0055	100LM_ 0070	100LM_ 0095
S67p	2	38	38	38	39	41	41	54	54
SF: + 6.5 kg / SA: + 1.0 kg / SAF: + 5.5 kg									

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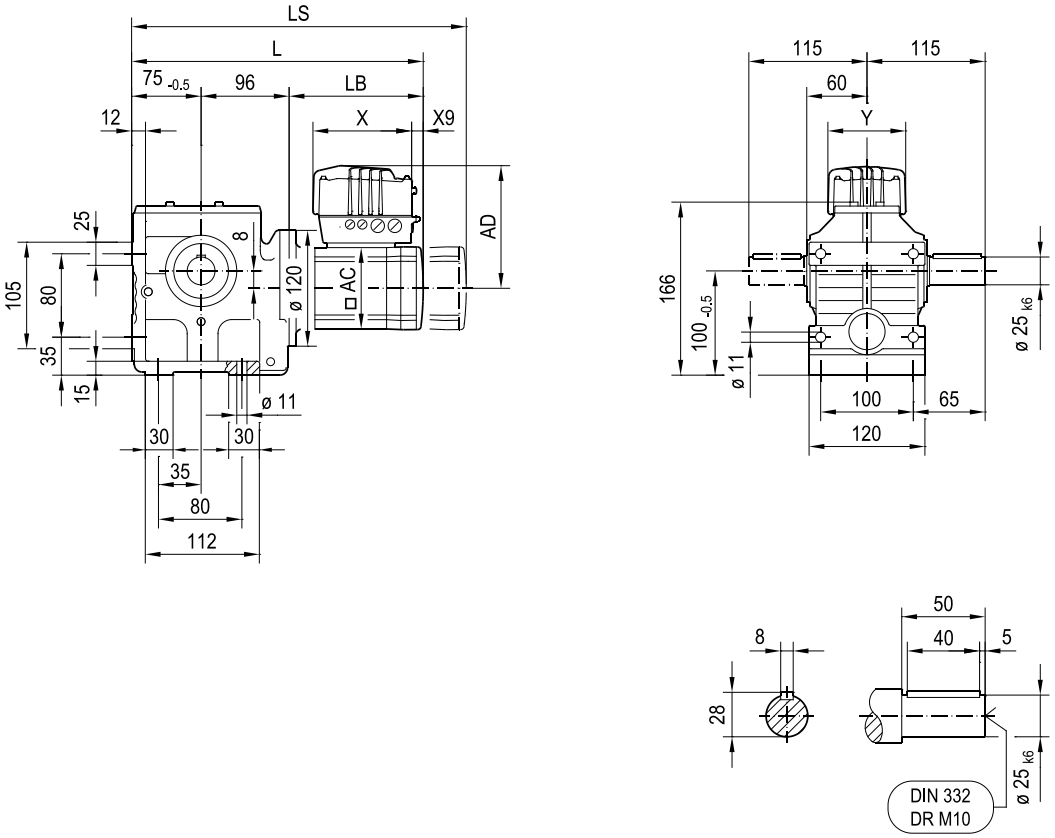
CM3C../D..							F_{Ramax}				F_{Rapk}			
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	S	SF	SA	SAF	S	SF	SA	SAF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N	N	N
S67p 2	7.56	330	375	500	450	5.4	2680	3360	1960	1960	10600	11700	12000	12000
	8.69	350	420	570	387	4.3	2780	3500	2010	2010	10300	11400	12000	12000
	10.03	365	450	575	348	3.3	3020	3770	2240	2240	10100	11200	12000	12000
	11.03	375	455	575	325	2.8	3190	3970	2420	2420	10000	11200	12000	12000
	12.96	390	455	575	295	2.2	3550	4370	2780	2780	10000	11200	12000	12000
	13.73	395	455	575	285	2.0	3690	4520	2930	2930	10000	11200	12000	12000
	15.60	410	455	575	260	1.5	3960	4820	3190	3190	10000	11200	12000	12000
	17.28	415	455	575	252	1.3	4320	5210	3580	3580	10000	11200	12000	12000
	20.30	450	560	720	155	4.0	5490	6410	5960	5960	10200	11500	12000	12000
	20.37	435	450	575	221	0.99	4700	5640	3960	3960	10000	11200	12000	12000
	23.22	420	450	575	194	0.71	5300	6230	5060	5060	10000	11200	12000	12000
	23.33	525	585	810	99	3.2	5440	6470	5840	5840	10000	11400	12000	12000
	24.44	415	450	575	184	0.63	5480	6410	5480	5480	10000	11200	12000	12000
	26.93	600	610	810	66	2.6	5410	6560	5770	5770	9900	11200	12000	12000
	29.63	620	625	810	60	2.2	5580	6770	5950	5950	9810	11200	12000	12000
	34.80	640	650	810	55	1.8	5970	7200	6380	6380	9670	11100	12000	12000
	36.85	655	660	810	52	1.6	6070	7330	6480	6480	9610	11000	12000	12000
	41.89	670	675	810	48	1.3	6420	7710	6860	6860	9520	10900	12000	12000
	46.40	680	690	810	47	1.1	6720	8040	7200	7200	9430	10900	12000	12000
	54.70	705	705	810	42	0.84	7170	8550	7700	7700	9340	10800	12000	12000
	62.35	720	720	810	39	0.59	7580	9000	8160	8160	9250	10700	12000	12000
	65.63	720	725	810	39	0.53	7790	9220	8390	8390	9220	10700	12000	12000
	75.06	720	740	810	40	0.43	8340	9780	9010	9010	9130	10600	12000	12000

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8.2 Dimension sheets for S..CM3C../D.. in mm

S47/S47p..

02 051 00 20

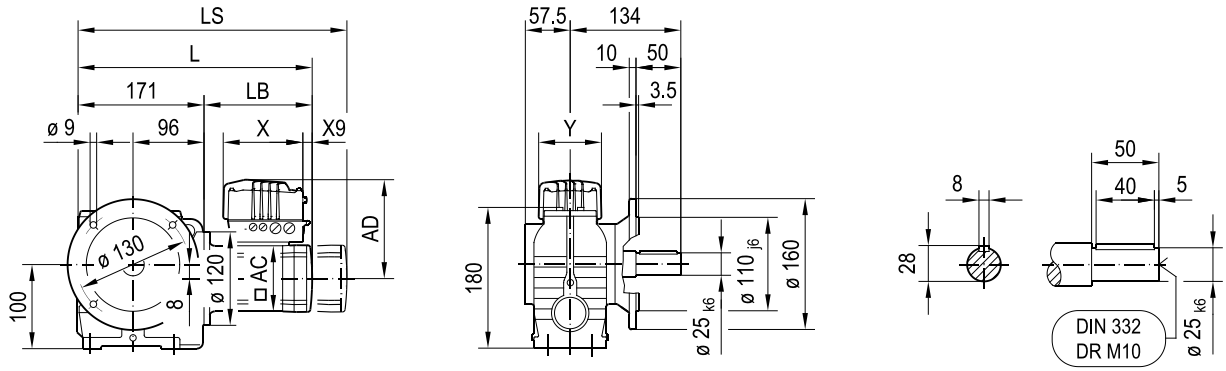


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	442	442						
LS	483	483						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

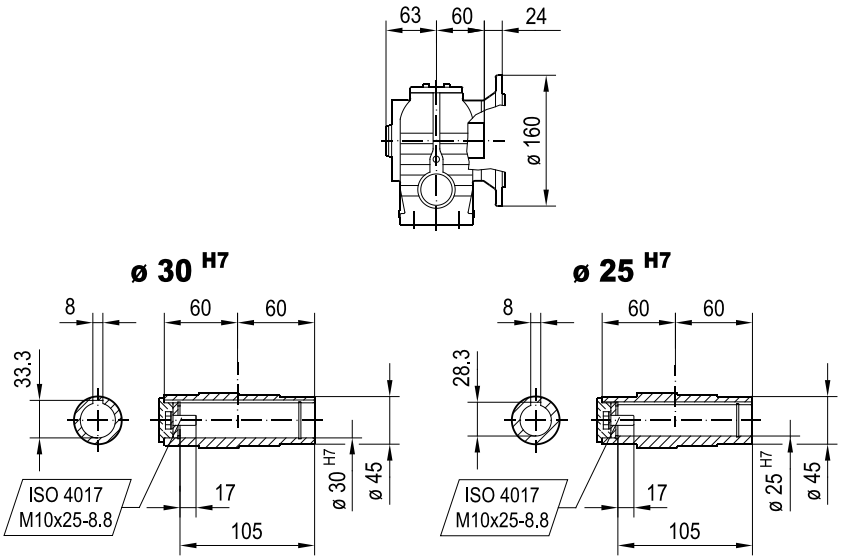
31546617/EN – 04/2026

02 052 00 20

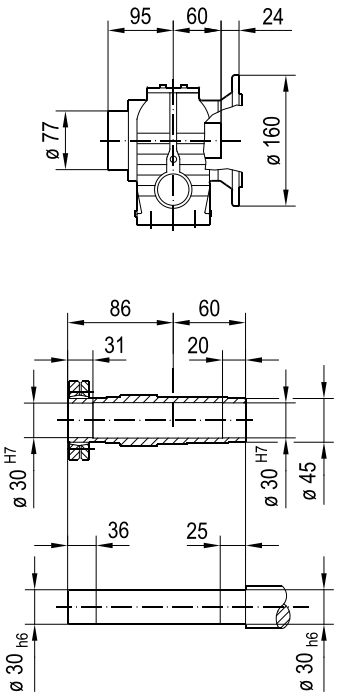
SF47/SF47p..



SAF47/SAF47p..



SHF47/SHF47p..

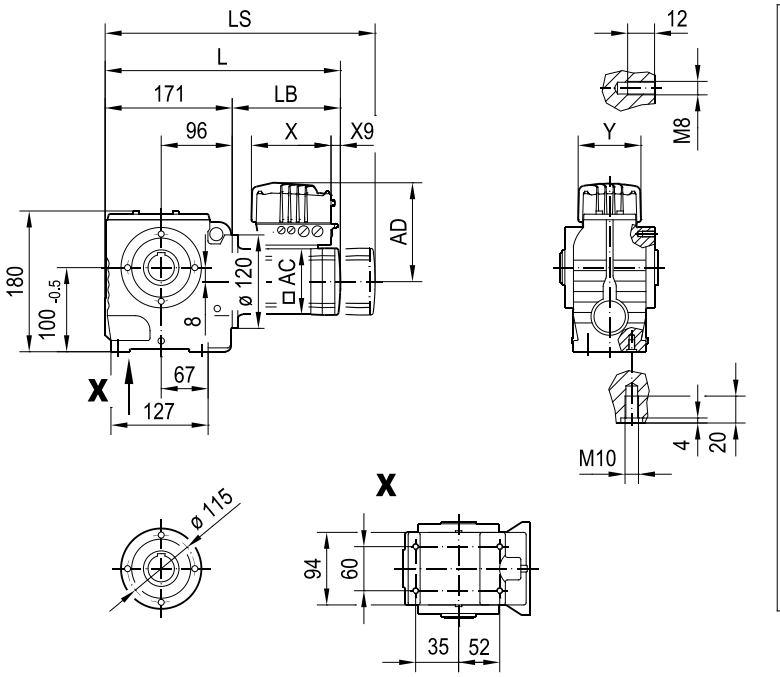


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	442	442						
LS	483	483						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

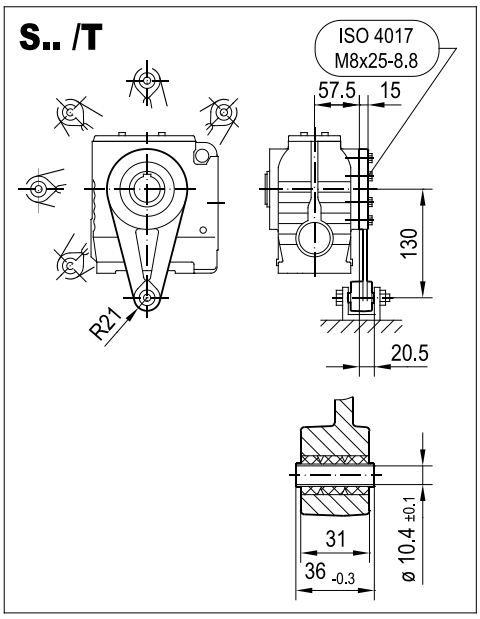
31546617/EN – 04/2026

02 053 00 20

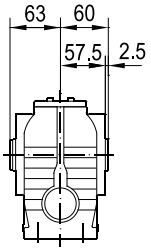
SA47/SA47p..



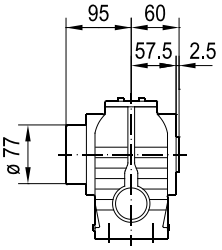
S.. /T

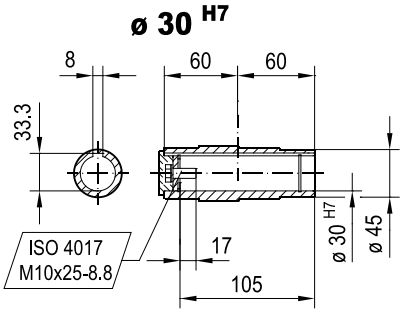


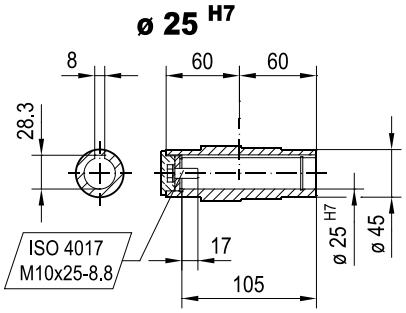
SA47/SA47p..

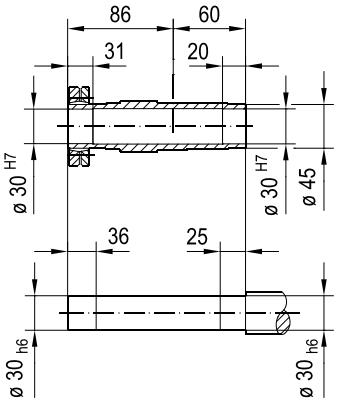


SH47/SH47p..







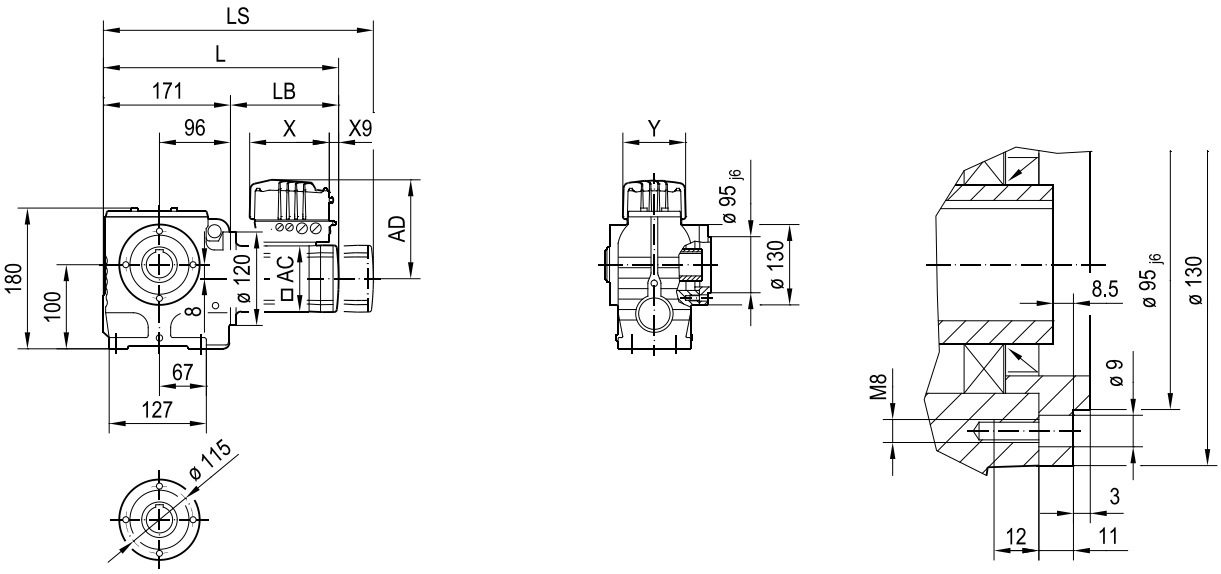


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	442	442						
LS	483	483						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

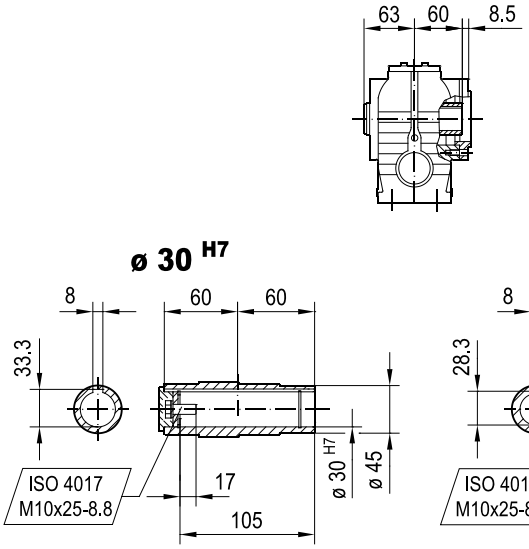
31546617/EN – 04/2026

SAZ47/SAZ47p..

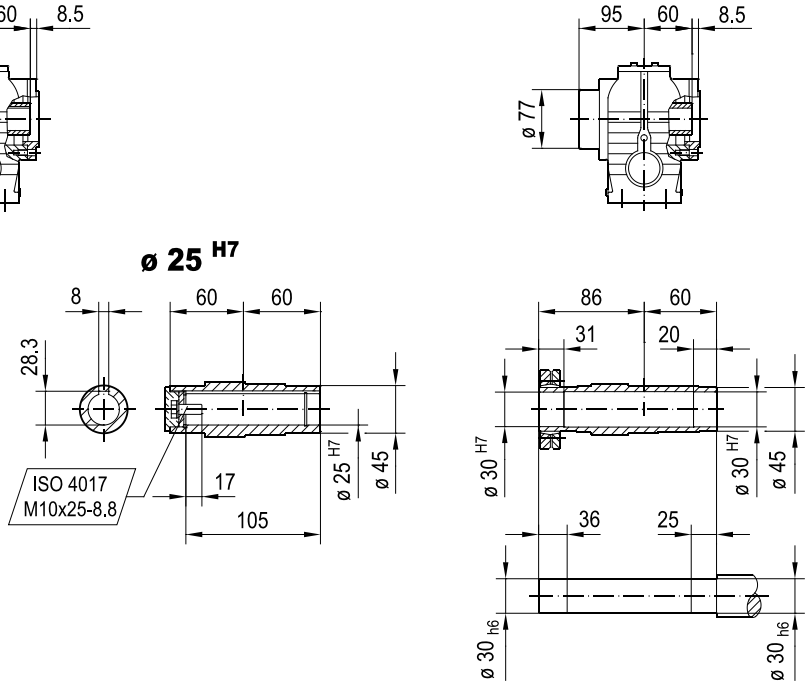
02 054 00 20



SAZ47/SAZ47p..



SHZ47/SHZ47p..

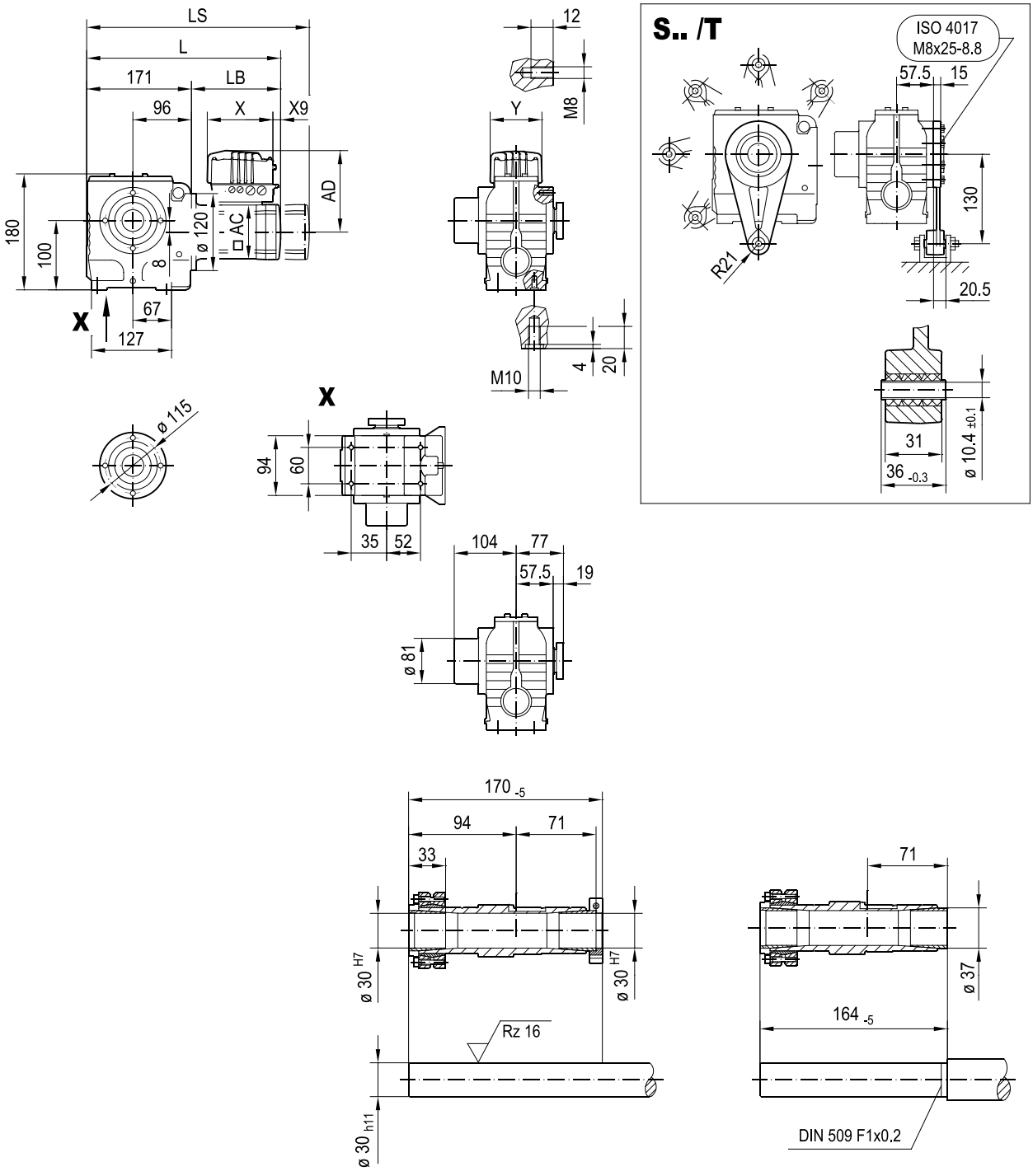


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	442	442						
LS	483	483						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

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02 055 00 20

ST47/ST47p..

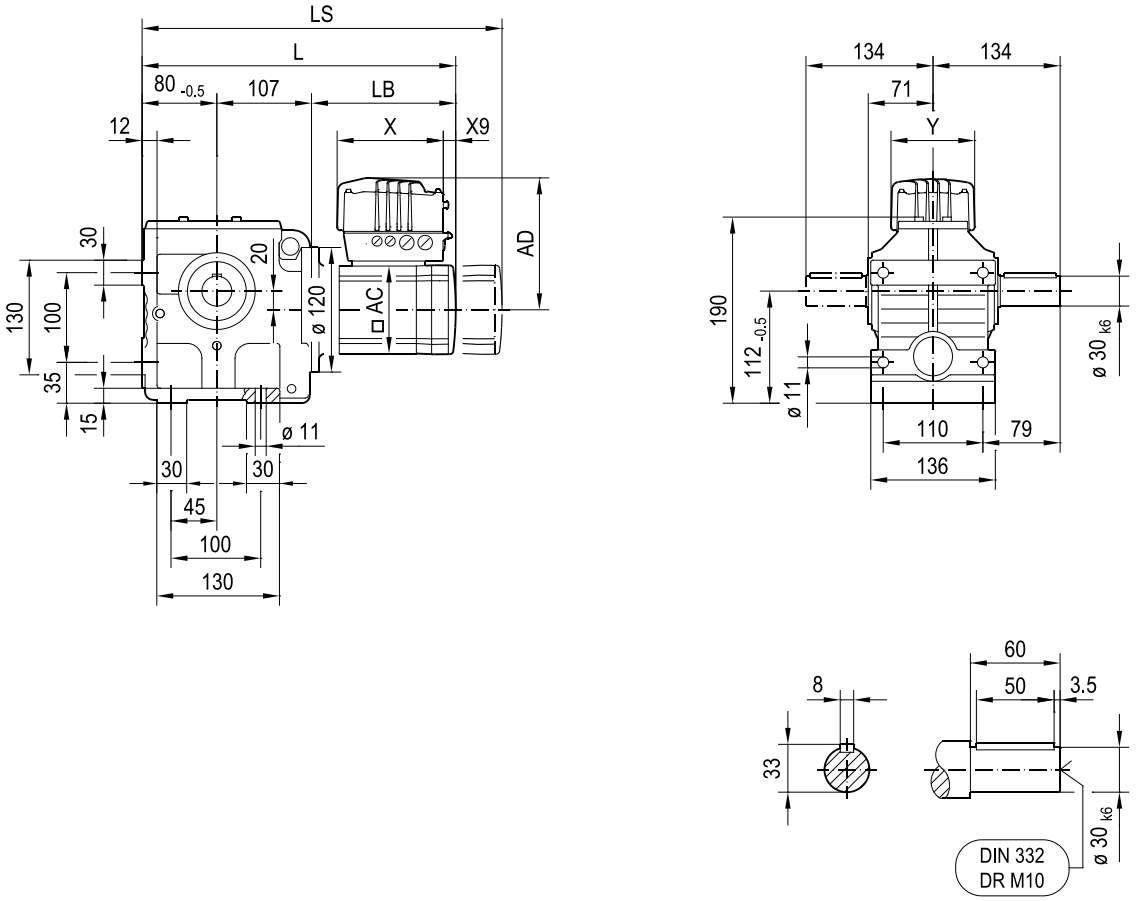


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	442	442						
LS	483	483						
LB	271	271						
X	200	213						
Y	145	168						
X9	17/58	17/58						

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S57/S57p..

02 056 00 20

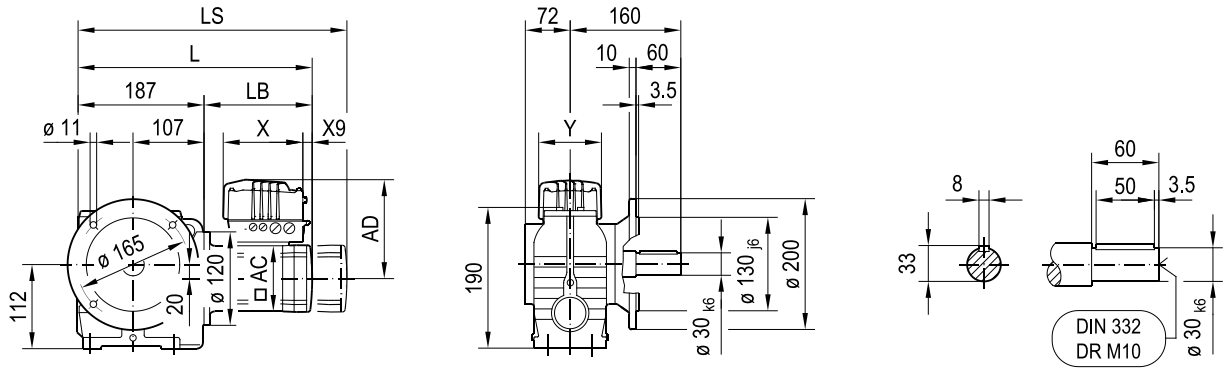


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AC	140	140	140					
AD	229	249	249					
L	458	458	484					
LS	499	499	525					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

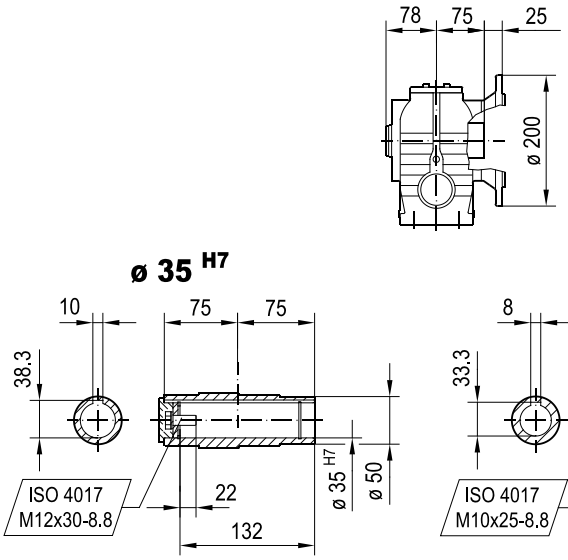
31546617/EN – 04/2026

02 057 00 20

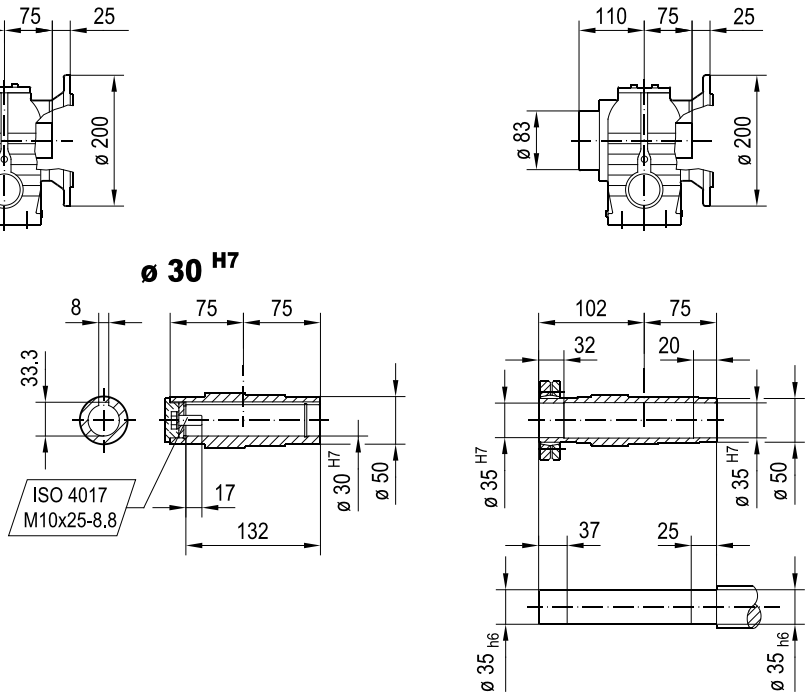
SF57/SF57p..



SAF57/SAF57p..



SHF57/SHF57p..

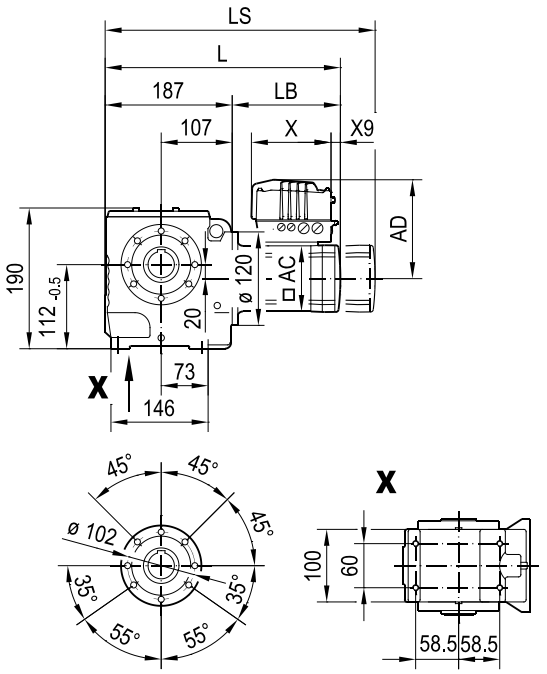


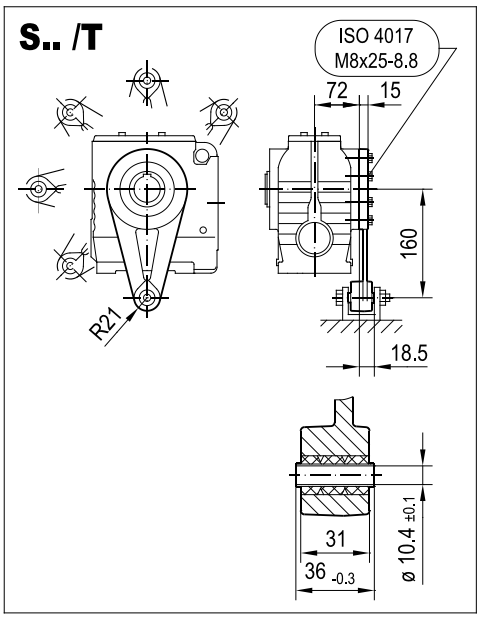
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AD	229	249	249					
L	458	458	484					
LS	499	499	525					
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X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

31546617/EN – 04/2026

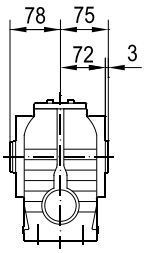
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SA57/SA57p..

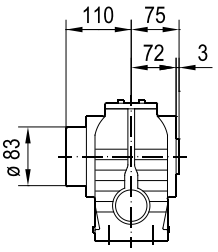


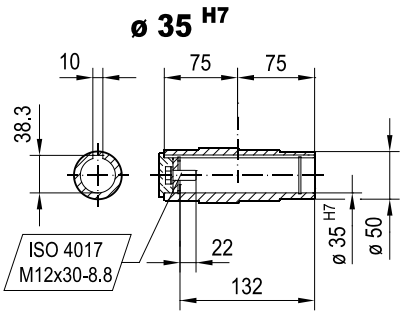


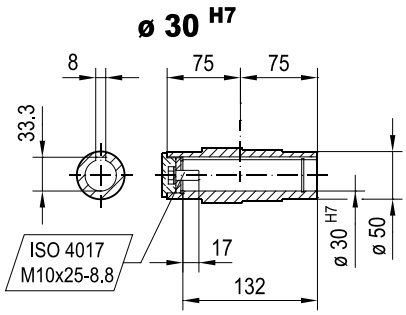
SA57/SA57p..

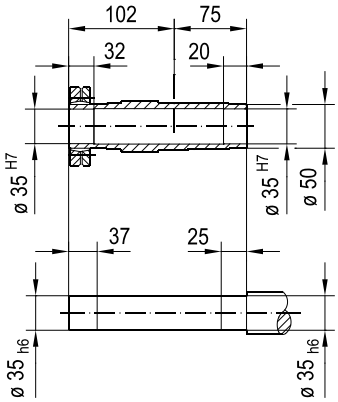


SH57/SH57p..







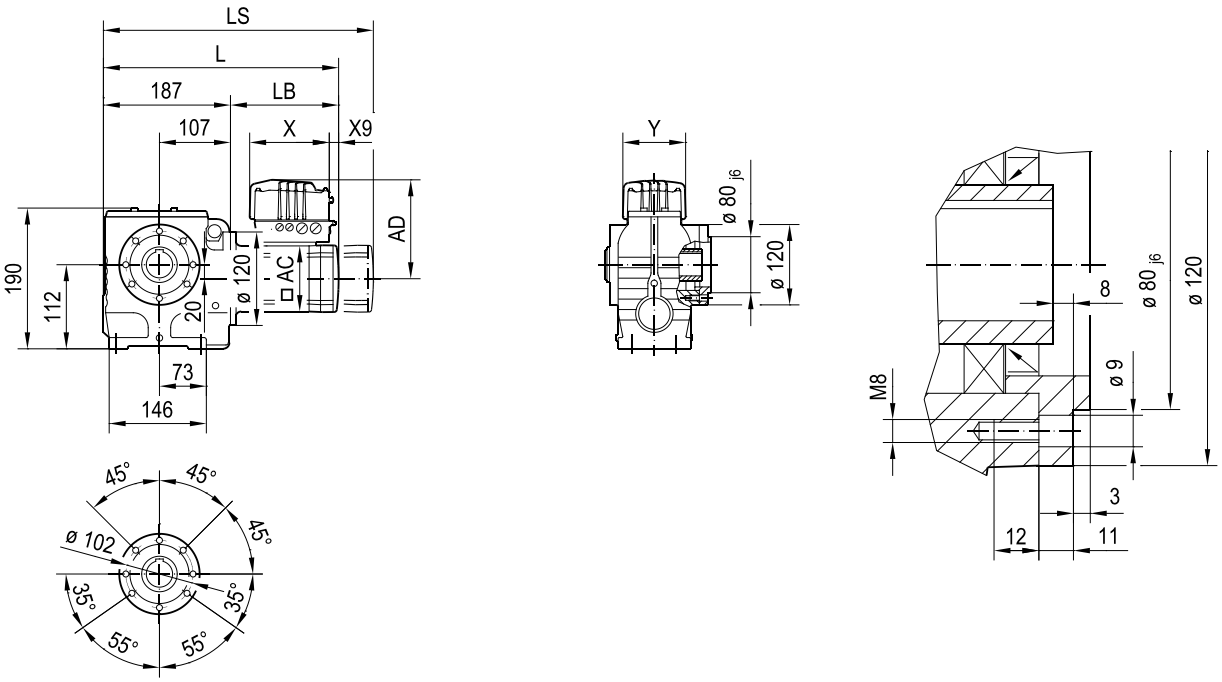


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AD	229	249	249					
L	458	458	484					
LS	499	499	525					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

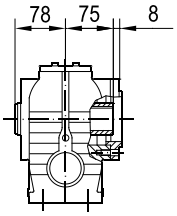
31546617/EN – 04/2026

SAZ57/SAZ57p..

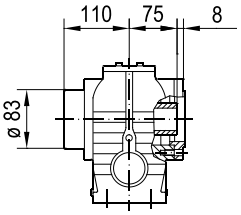
02 059 00 20



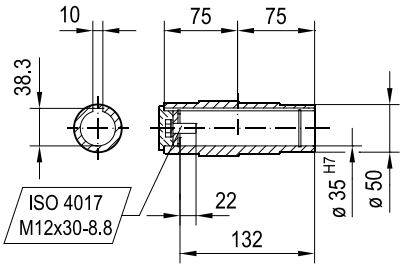
SAZ57/SAZ57p..



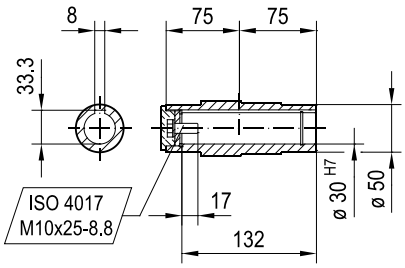
SHZ57/SHZ57p..

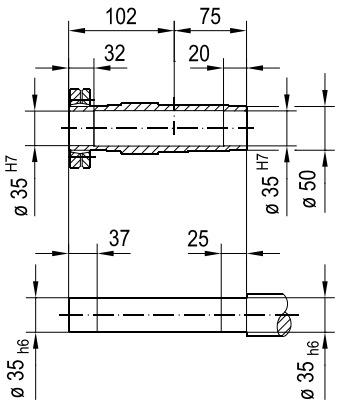


ø 35 H7



ø 30 H7



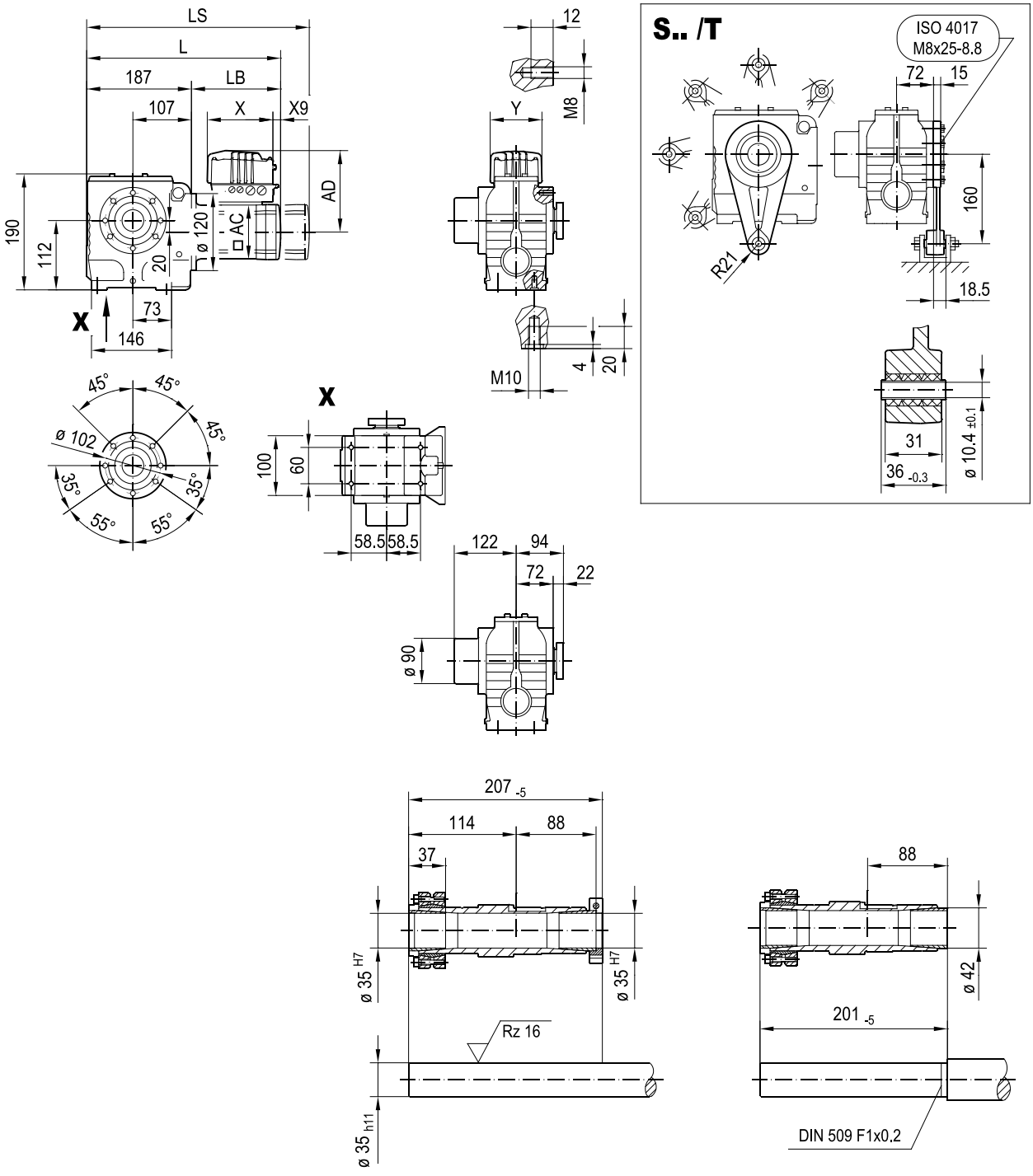


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AD	229	249	249					
L	458	458	484					
LS	499	499	525					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

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02 060 00 20

ST57/ST57p..

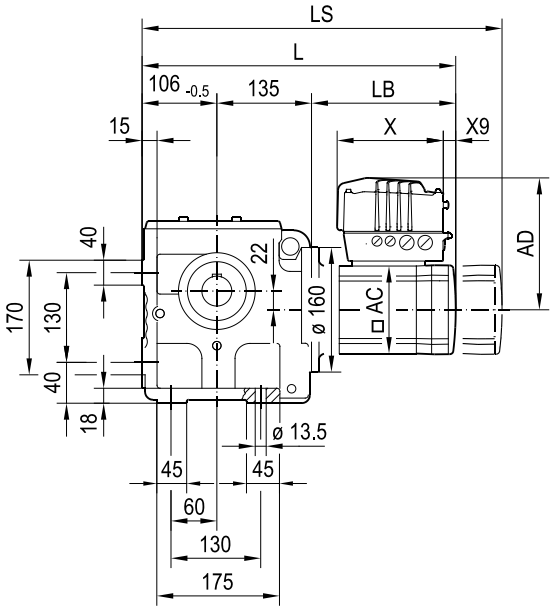


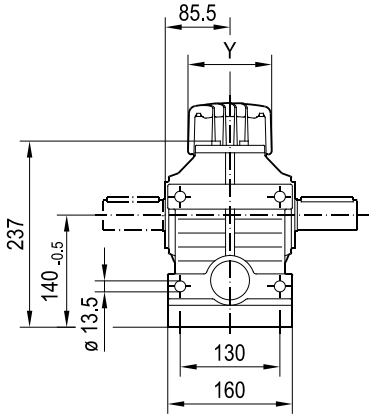
	CM3C/CM3P../D							
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AC	140	140	140					
AD	229	249	249					
L	458	458	484					
LS	499	499	525					
LB	271	271	297					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

31546617/EN – 04/2026

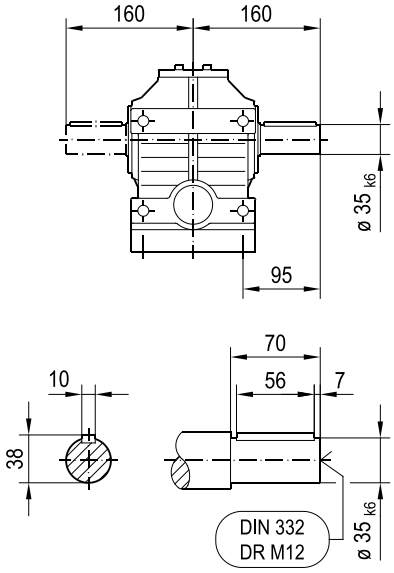
S67/S67p..

02 061 00 20

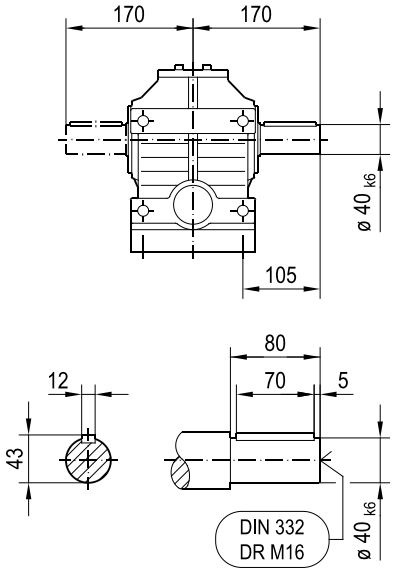




S67..



S67/S67p..

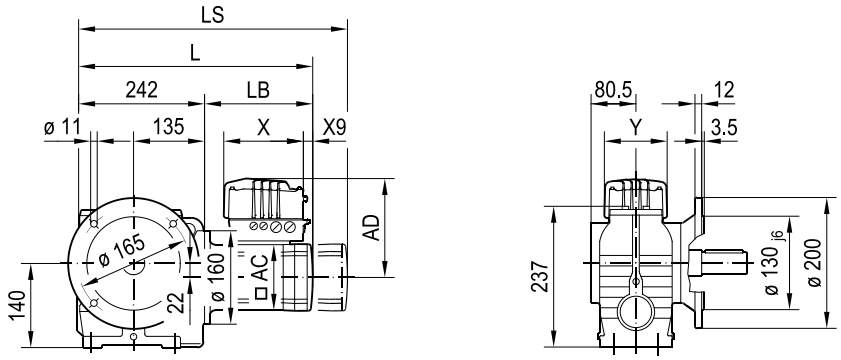


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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	503	503	529	665	665			
LS	544	544	570	689	689			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

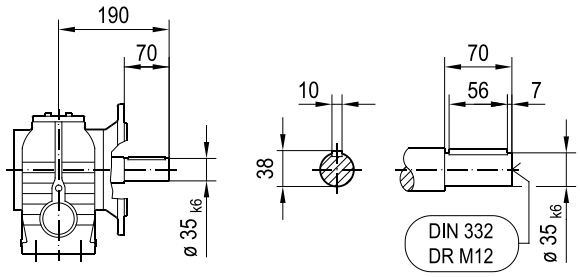
31546617/EN – 04/2026

SF67/SF67p..

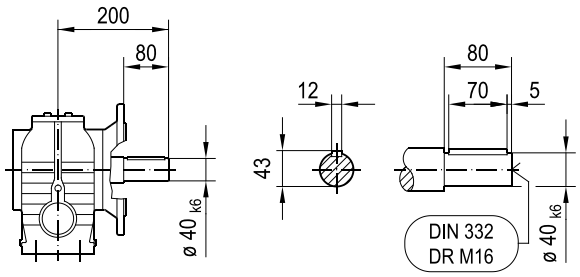
02 062 00 20



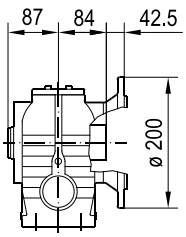
SF67..



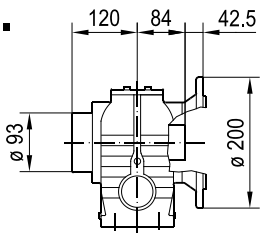
SF67/SF67p..



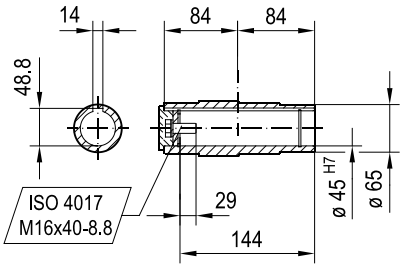
SAF67/SAF67p..



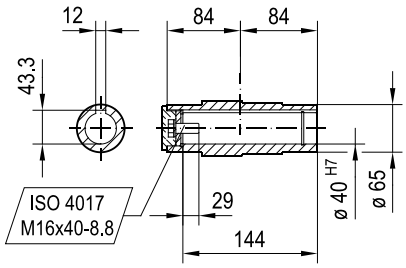
SHF67/SHF67p..

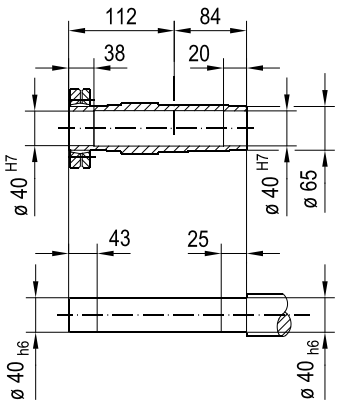


ø 45 H7



ø 40 H7



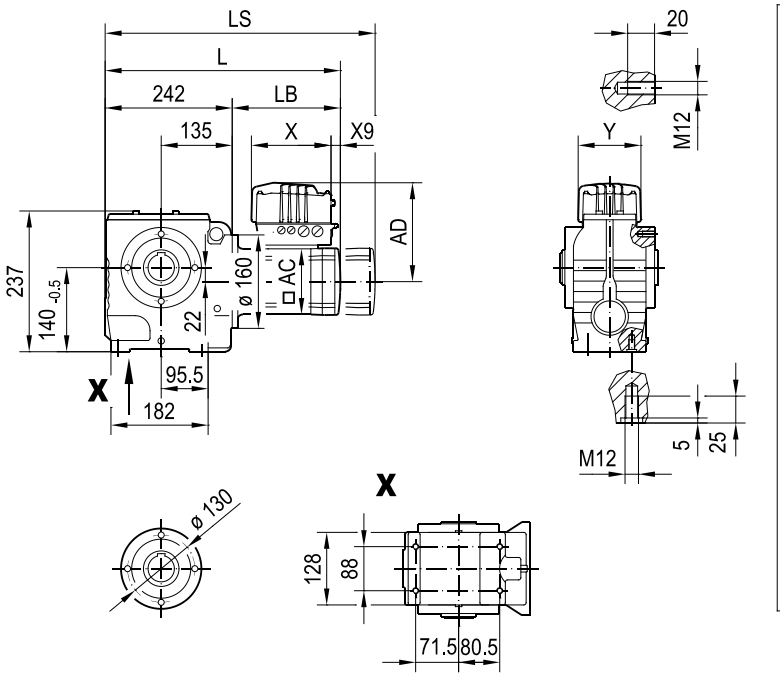


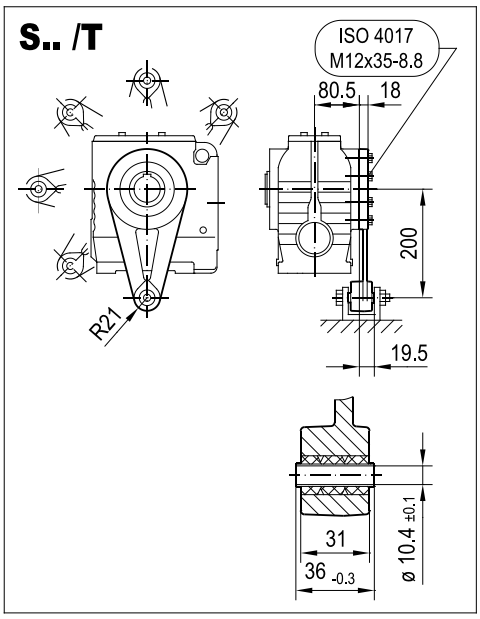
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	504	504	530	666	666			
LS	545	545	571	690	690			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

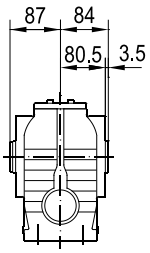
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SA67/SA67p..

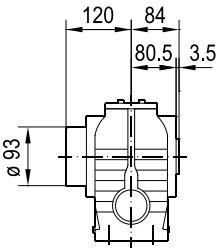


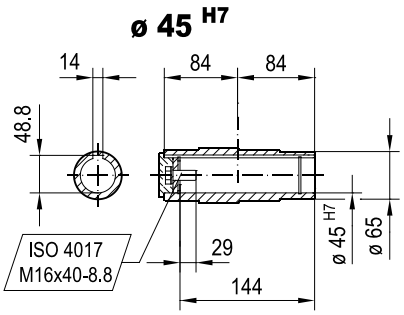


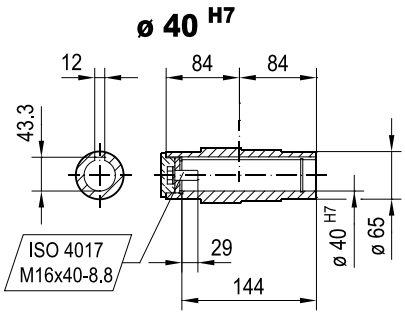
SA67/SA67p..

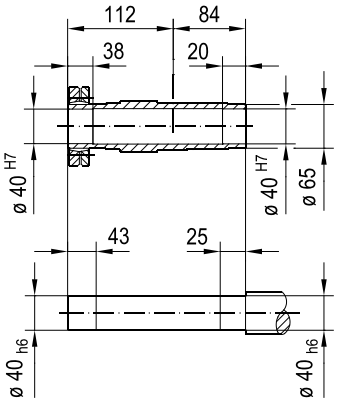


SH67/SH67p..







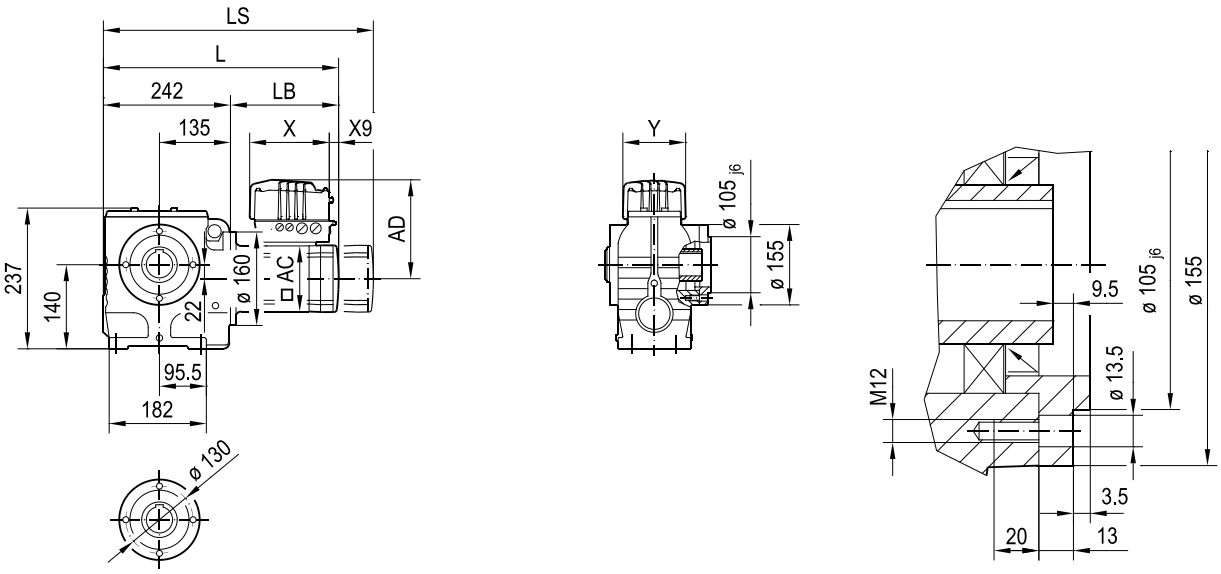


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	504	504	530	666	666			
LS	545	545	571	690	690			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

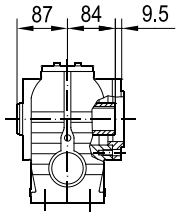
31546617/EN – 04/2026

SAZ67/SAZ67p..

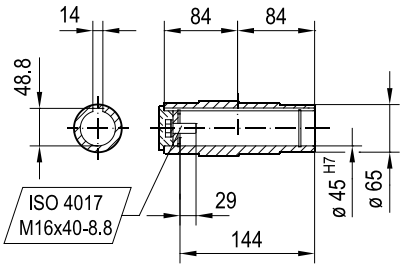
02 064 00 20



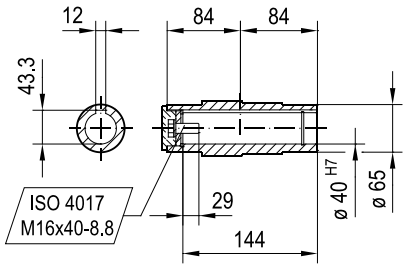
SAZ67/SAZ67p..



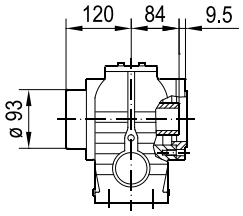
ø 45 H7

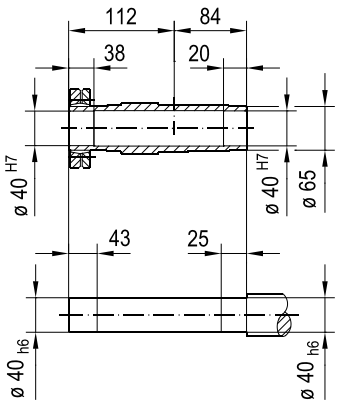


ø 40 H7



SHZ67/SHZ67p..



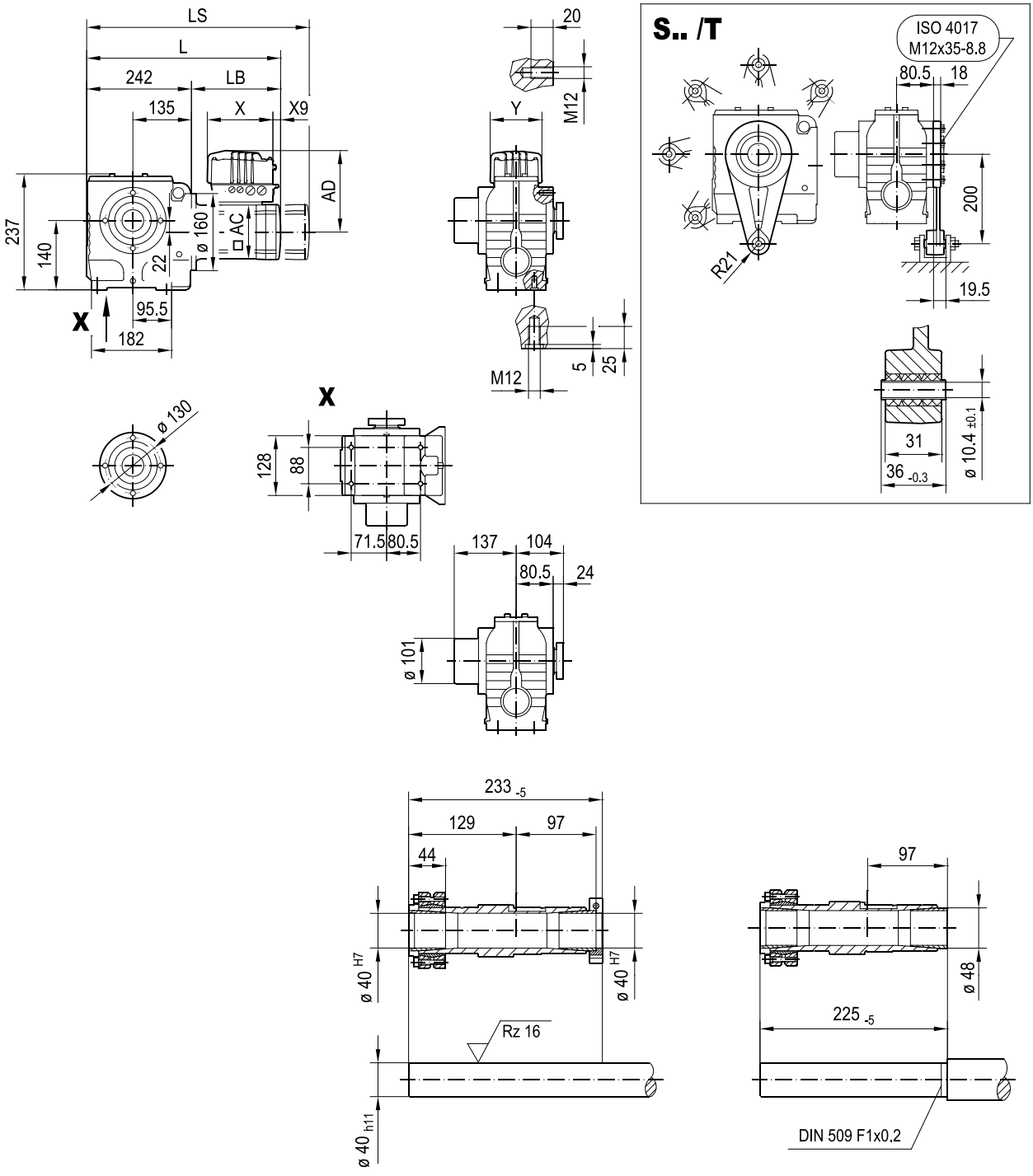


	CM3C/CM3P../D							
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AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	504	504	530	666	666			
LS	545	545	571	690	690			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

02 065 00 20

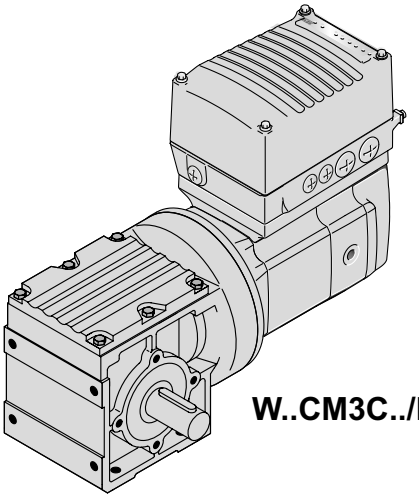
ST67/ST67p..



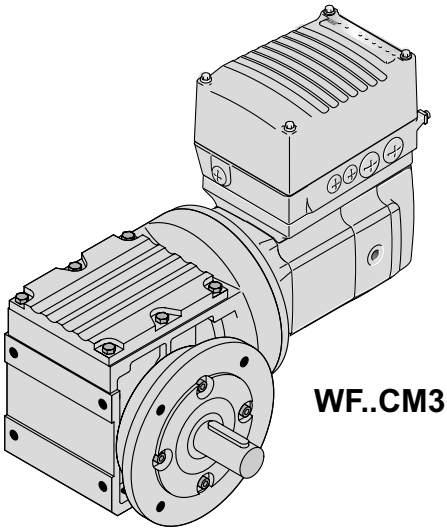
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055	100LM_0070	100LM_0095			
AC	140	140	140	163	163			
AD	229	249	249	289	289			
L	504	504	530	666	666			
LS	545	545	571	690	690			
LB	262	262	288	424	424			
X	200	213	213	288	288			
Y	145	168	168	216	216			
X9	17/58	17/58	17/58	-3/44	-3/44			

31546617/EN – 04/2026

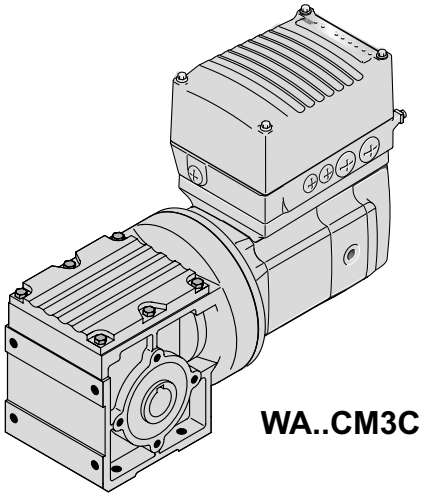
9 W..DRN../D.. SPIROPLAN® gearmotors



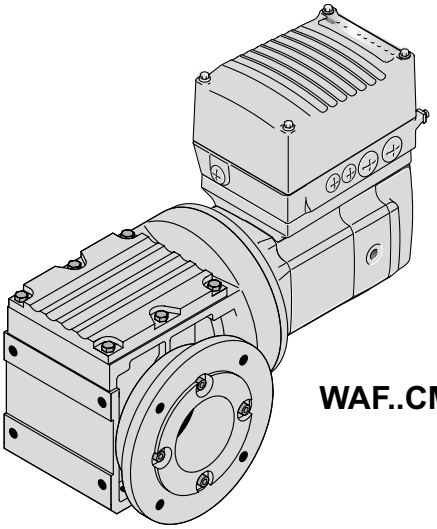
W..CM3C../D..



WF..CM3C../D..



WA..CM3C../D..



WAF..CM3C../D..

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9.1 W..CM3C.. selection tables

			CM3C../D									
			80S_0020		80S_0025		80S_0032		80S_0040			
	na_{50}	na_{2000}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	M_a	M_{apk}	$M_{aEmergOff}$	i
	min^{-1}	min^{-1}	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm	
WA49 2	6.9	277	24	74	30	93	39	122	50	>138	207	7.22
	6.3	254	26	81	33	101	43	133	54	>149	224	7.88
	5.8	231	29	89	37	112	47	>131	60	>131	197	8.67
	4.9	197	34	104	43	130	55	171	70	>193	290	10.13
	4.5	181	37	114	47	142	60	186	76	>205	314	11.05
	4.1	164	41	125	51	157	67	>184	84	>184	276	12.16
	3.5	142	48	146	60	182	77	235	97	>265	404	14.12
	3.2	130	52	159	65	198	84	260	106	>290	435	15.40
	3.0	118	57	175	72	215	93	>255	117	>255	387	16.94
	2.6	106	64	195	80	240	104	315	131	>350	532	18.91
	2.4	97	70	210	88	265	113	345	143	>400	570	20.63
	2.2	88	77	230	96	290	125	>340	157	>340	515	22.69
	1.9	77	88	265	110	330	142	435	179	>450	643	26.11
	1.8	70	95	285	119	360	153	>445	193	>445	643	28.48
	1.6	64	104	315	131	395	168	>450	210	>450	643	31.33
	1.4	55	123	370	153	465	198	>480	245	>480	680	36.38
	1.3	50	132	400	166	>480	210	>480	265	>480	680	39.69
	1.1	46	146	440	182	>480	235	>480	295	>480	680	43.66
	1.0	41	164	>475	205	>475	265	>475	330	>475	673	48.73
	0.94	38	177	>475	220	>475	285	>475	360	>475	673	53.16
	0.85	34	195	>475	240	>475	315	>475	>395	>475	673	58.48
	0.81	32	205	>480	255	>480	330	>480	>400	>480	680	61.58
WA49 3	0.74	30	225	>480	280	>480	365	>480	>400	>480	680	67.73
	0.71	28									673	70.25
	0.64	25	265	>480	330	>480	>400	>480	>400	>480	680	78.66
	0.58	23	285	>480	355	>480	>400	>480	>400	>480	680	85.81
	0.54	22									673	92.86
	0.53	21	315	>480	395	>480	>400	>480	>400	>480	680	94.39
	0.47	19	355	>475	>395	>475	>395	>475	>395	>475	673	105.36
	0.44	17	380	>475	>395	>475	>395	>475	>395	>475	673	114.94
	0.40	16	>395	>475	>395	>475	>395	>475	>395	>475	673	126.43
	0.33	13									680	149.88
	0.33	13									673	151.87
	0.25	10.0									673	200.76

m kg		CM3C../D				
		80S_0020	80S_0025	80S_0032	80S_0040	
WA49	2	24	24	24	24	
WA49	3	26	26	26	26	
WAF: + 0.8 kg / WF: + 1.5 kg						

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CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	WA	WAF	WF	WA	WAF	WF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
WA49 2	7.22	138	138	205	623	0.97	3060	3060	3470	6000	6000	6000
	7.88	149	149	220	571	0.82	3070	3070	3510	6000	6000	6000
	8.67	131	131	197	519	0.68	3440	3440	3820	6000	6000	6000
	10.13	193	193	290	346	0.82	3140	3140	3690	6000	6000	6000
	11.05	205	205	310	267	0.69	3120	3120	3720	6000	6000	6000
	12.16	184	184	275	370	0.58	3570	3570	4090	6000	6000	6000
	14.12	265	265	400	137	0.64	3120	3120	3860	6000	6000	6000
	15.40	290	290	435	108	0.54	3080	3080	3880	6000	6000	6000
	16.94	255	255	385	147	0.45	3610	3610	4300	6000	6000	6000
	18.91	325	350	530	77	0.53	3300	3300	4160	6000	6000	6000
	20.63	335	400	570	70	0.44	3420	3420	4290	6000	6000	6000
	22.69	340	340	515	64	0.38	3560	3560	4460	6000	6000	6000
WA49 3	26.11	375	450	640	60	0.50	3040	3040	4190	6000	6000	6000
	28.48	375	445	640	60	0.42	3250	3250	4400	6000	6000	6000
	31.33	375	450	640	60	0.36	3490	3490	4640	6000	6000	6000
	36.38	400	480	680	47	0.47	3960	3960	5070	6000	6000	6000
	39.69	400	480	680	47	0.40	4200	4200	5310	6000	6000	6000
	43.66	400	480	680	47	0.34	4470	4470	5570	6000	6000	6000
	48.73	395	475	670	43	0.46	5040	5040	6000	6000	6000	6000
	53.16	395	475	670	43	0.39	5310	5310	6000	6000	6000	6000
	58.48	395	475	670	43	0.33	5600	5600	6000	6000	6000	6000
	61.58	400	480	680	52	0.31	5200	5200	6000	6000	6000	6000
	67.73	400	480	680	52	0.27	5510	5510	6000	6000	6000	6000
	70.25	395	475	670	43	0.19	6000	6000	6000	6000	6000	6000
	78.66	400	480	680	48	0.37	6000	6000	6000	6000	6000	6000
	85.81	400	480	680	48	0.31	6000	6000	6000	6000	6000	6000
	92.86	395	470	670	43	0.11	6000	6000	6000	6000	6000	6000
	94.39	400	480	680	48	0.26	6000	6000	6000	6000	6000	6000
	105.36	395	475	670	43	0.36	6000	6000	6000	6000	6000	6000
	114.94	395	475	670	39	0.31	6000	6000	6000	6000	6000	6000
	126.43	395	475	670	36	0.26	6000	6000	6000	6000	6000	6000
	149.88	400	480	680	30	0.089	6000	6000	6000	6000	6000	6000
	151.87	395	475	670	30	0.14	6000	6000	6000	6000	6000	6000
	200.76	395	475	670	22	0.088	6000	6000	6000	6000	6000	6000

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			CM3C../D													
			80S_0020		80S_0025		80S_0032		80S_0040		80M_0040		80M_0055			
	na_{50} min^{-1}	na_{2000} min^{-1}	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	M_a Nm	M_{apk} Nm	$M_{aEmergOff}$ Nm	i
WA59 2	7.4	296	23	69	28	87	37	114	46	135	51	152	57	169	258	6.76
	6.7	267	25	76	31	95	40	125	51	148	56	167	63	185	283	7.49
	6.1	244	27	84	34	105	45	138	56	>157					235	8.18
	5.3	213	32	97	40	121	51	158	65	188	71	210	80	235	360	9.39
	4.8	192	35	106	44	133	56	174	71	205	78	230	88	255	393	10.41
	4.4	176	38	117	48	146	62	191	78	>215					325	11.35
	3.8	150	45	137	56	171	73	225	92	265	101	300	113	330	535	13.31
	3.4	136	49	151	62	188	80	245	101	290	110	325	124	365	556	14.75
	3.1	124	55	166	68	205	88	270	111	>310					465	16.09
	2.7	107	64	193	80	240	103	315	129	375	142	420	160	465	722	18.72
	2.4	96	70	210	87	265	113	345	142	410	155	460	175	510	786	20.74
	2.2	88	77	230	96	290	124	380	156	>440					666	22.63
	2.0	80	84	255	105	315	135	>385	170	>385					581	24.89
WA59 3	1.8	72	94	280	117	355	151	465	190	550	205	>605	235	>605	859	27.81
	1.6	65	103	310	128	385	166	510	205	600	225	>620	255	>620	884	30.82
	1.5	59	112	340	140	425	181	555	225	>615					884	33.62
	1.4	54	123	370	154	465	199	>585	250	>585					882	36.98
	1.3	51	133	400	166	500	210	655	270	>660	295	>660	330	>660	935	39.41
	1.1	46	146	440	182	550	235	>680	295	>680	320	>680	365	>680	969	43.67
	1.0	42	159	480	199	600	255	>705	320	>705					1003	47.64
	0.95	38	175	530	215	660	280	>720	355	>720					1020	52.40
	0.90	36	187	565	230	705	300	>720	380	>720	415	>720	465	>720	1020	55.44
	0.81	33	205	620	255	>720	330	>720	415	>720	455	>720	510	>720	1020	61.43
	0.75	30	220	675	280	>720	360	>720	450	>720					1020	67.02
	0.68	27	245	>720	305	>720	395	>720	500	>720					1020	73.72
	0.66	26	255	>720	320	>720	415	>720	520	>720	570	>720	>600	>720	1020	76.29
	0.59	24	280	>720	350	>720	455	>720	570	>720	>600	>720	>600	>720	1020	84.54
	0.54	22	305	>720	385	>720	495	>720	>600	>720					1020	92.23
	0.49	20	335	>720	420	>720	545	>720	>600	>720					1020	101.45
	0.47	19	360	>720	450	>720	585	>720	>600	>720	>600	>720	>600	>720	1020	107.33
	0.42	17	395	>720	495	>720	>600	>720	>600	>720	>600	>720	>600	>720	1020	118.93
	0.39	15	430	>720	540	>720	>600	>720	>600	>720					1020	129.74
	0.35	14	475	>720	595	>720	>600	>720	>600	>720					1020	142.72
	0.33	13													1020	151.56
	0.23	9.4													1020	213.21

m kg		CM3C../D						
		80S_0020	80S_0025	80S_0032	80S_0040	80M_0040	80M_0055	
WA59	2	27	27	27	28	30	30	
WA59	3	30	30	30	30	32	32	
WAF: + 1.3 kg / WF: + 2.8 kg								

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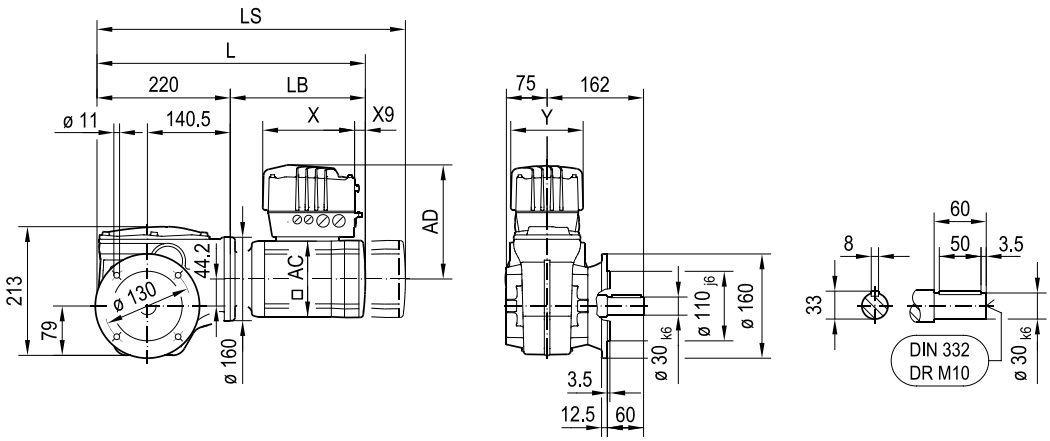
CM3C../D..							F_{Ramax}			F_{Rapk}		
n_e = 1400		M_{amax}	M_{apk}	$M_{aEmergOff}$	n_{ak}	J_{GA} 10^{-4}	WA	WAF	WF	WA	WAF	WF
	i	Nm	Nm	Nm	min^{-1}	$kg*m^2$	N	N	N	N	N	N
WA59 2	6.76	172	172	255	666	1.9	4160	4160	3860	8000	7950	8000
	7.49	189	189	280	563	1.5	4180	4180	3910	8000	7950	8000
	8.18	157	157	235	550	1.3	4730	4730	4320	8000	7950	8000
	9.39	240	240	360	479	1.7	4350	4350	4110	8000	7950	8000
	10.41	260	260	390	402	1.3	4350	4350	4150	8000	7950	8000
	11.35	215	215	325	396	1.1	5040	5040	4650	8000	7950	8000
	13.31	355	355	535	231	1.2	4200	4200	4150	8000	7950	8000
	14.75	370	370	555	203	0.99	4330	4330	4280	8000	7950	8000
	16.09	310	310	465	280	0.80	5170	5170	4890	8000	7950	8000
	18.72	480	480	720	87	1.0	4080	4080	4220	8000	7950	8000
	20.74	515	520	785	71	0.83	4060	4060	4260	8000	7950	8000
	22.63	440	440	665	114	0.66	5000	5000	4940	8000	7950	8000
	24.89	385	385	580	160	0.54	5840	5840	5560	8000	7950	8000
WA59 3	27.81	505	605	850	52	0.91	4560	4560	4740	8000	7950	8000
	30.82	520	620	880	48	0.73	4740	4740	4930	8000	7950	8000
	33.62	520	615	880	48	0.58	5040	5040	5180	8000	7950	8000
	36.98	520	585	880	48	0.47	5380	5380	5470	8000	7950	8000
	39.41	550	660	930	37	0.87	5670	5670	5700	8000	7950	7920
	43.67	570	680	960	34	0.69	5860	5860	5900	8000	7950	7760
	47.64	590	705	1000	30	0.55	6000	6000	6050	8000	7950	7580
	52.40	600	720	1020	29	0.44	6280	6280	6300	8000	7950	7490
	55.44	600	720	1020	27	0.84	6730	6730	6650	8000	7950	7490
	61.43	600	720	1020	27	0.67	7160	7160	7020	8000	7950	7490
	67.02	600	720	1020	27	0.53	7540	7540	7340	8000	7950	7490
	73.72	600	720	1020	27	0.43	7960	7950	7700	8000	7950	7490
	76.29	600	720	1020	31	0.69	7900	7900	7680	8000	7950	7490
	84.54	600	720	1020	31	0.54	8000	7950	8000	8000	7950	7490
	92.23	600	720	1020	31	0.43	8000	7950	8000	8000	7950	7490
	101.45	600	720	1020	31	0.34	8000	7950	8000	8000	7950	7490
	107.33	600	720	1020	28	0.68	8000	7950	8000	8000	7950	7490
	118.93	600	720	1020	28	0.54	8000	7950	8000	8000	7950	7490
	129.74	600	720	1020	28	0.42	8000	7950	8000	8000	7950	7490
	142.72	600	720	1020	28	0.34	8000	7950	8000	8000	7950	7490
	151.56	600	720	1020	30	0.13	8000	7950	8000	8000	7950	7490
	213.21	600	720	1020	21	0.13	8000	7950	8000	8000	7950	7490

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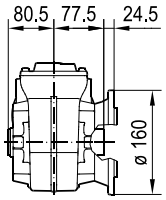
9.2 Dimension sheets for W..CM3C../D.. in mm

20 041 01 22

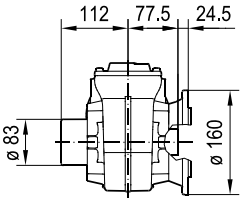
WF49..



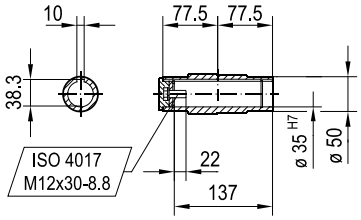
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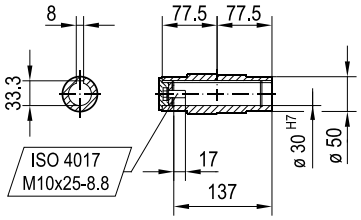
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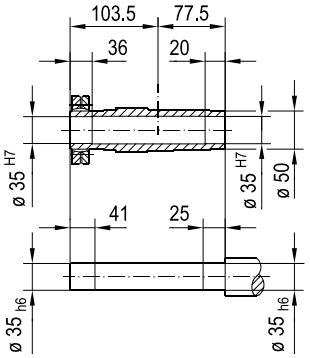


ø 35 H7



ø 30 H7



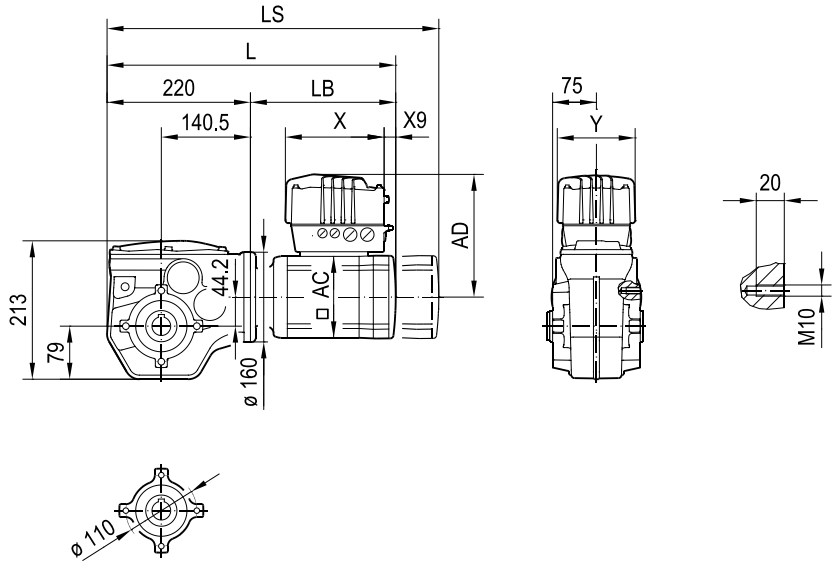


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	482	482						
LS	523	523						
LB	262	262						
X	200	213						
Y	145	168						
X9	17/58	17/58						

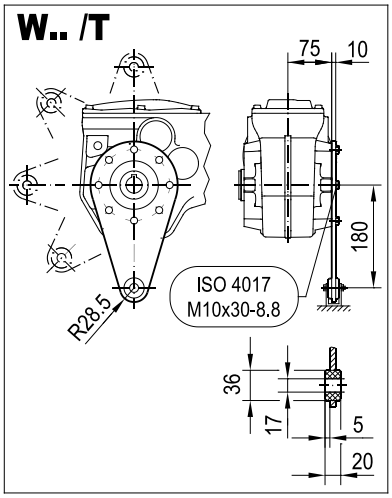
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20 042 02 22

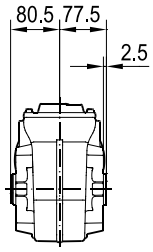
WA49..



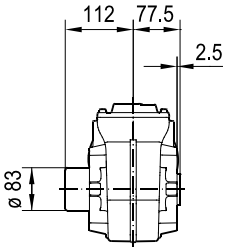
W.. /T



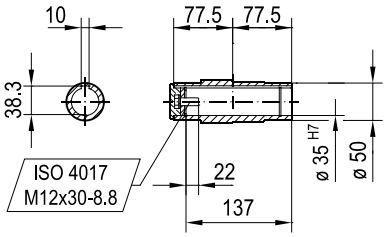
WA49..



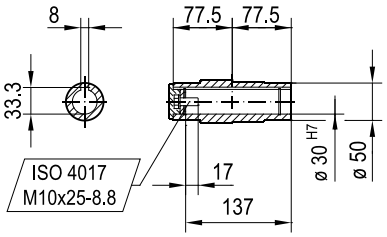
WH49..

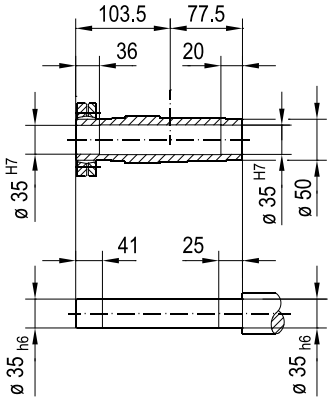


ø 35 H7



ø 30 H7



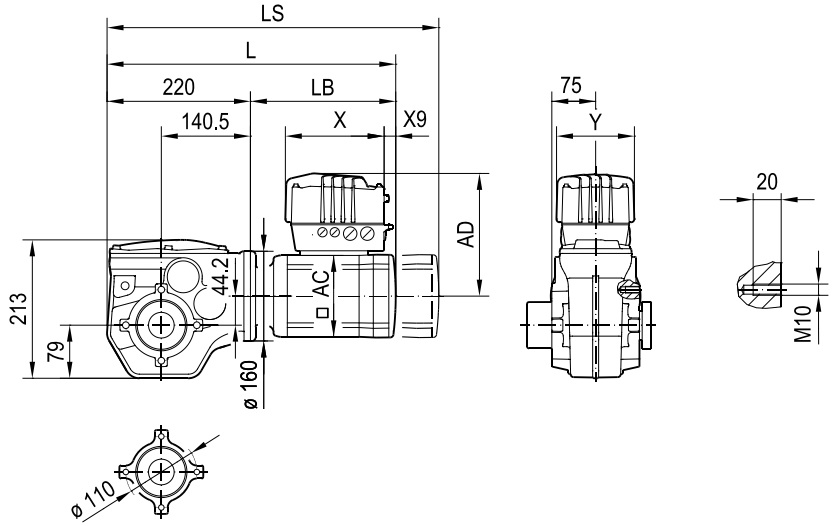


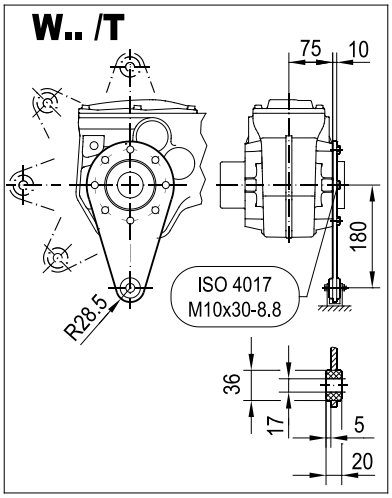
	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	482	482						
LS	523	523						
LB	262	262						
X	200	213						
Y	145	168						
X9	17/58	17/58						

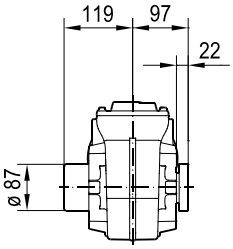
31546617/EN – 04/2026

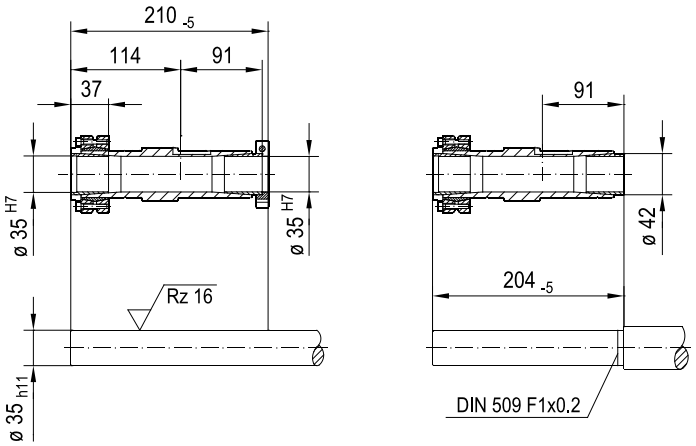
20 043 02 22

WT49..







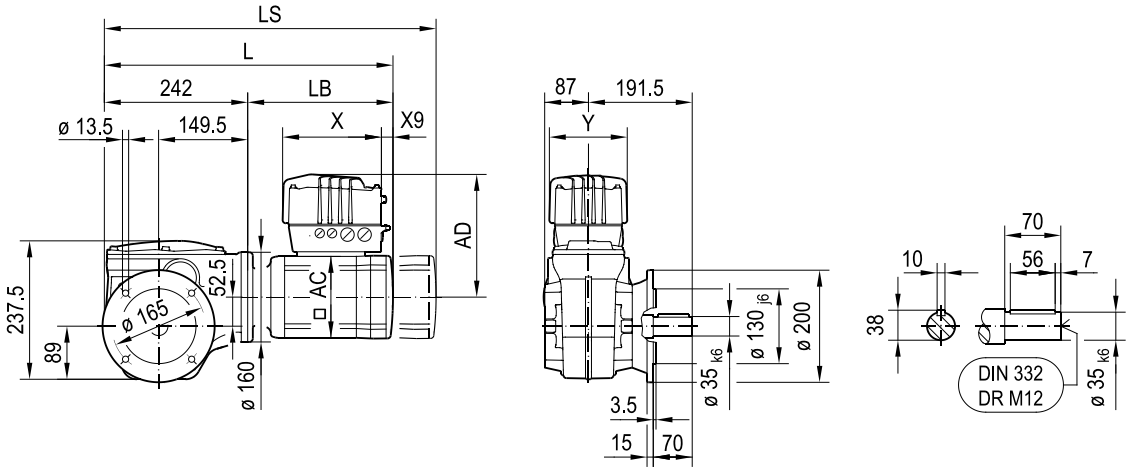


	CM3C/CM3P../D							
	80S_0032	80S_0040						
AC	140	140						
AD	229	249						
L	482	482						
LS	523	523						
LB	262	262						
X	200	213						
Y	145	168						
X9	17/58	17/58						

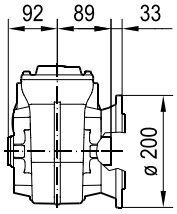
31546617/EN – 04/2026

20 044 01 22

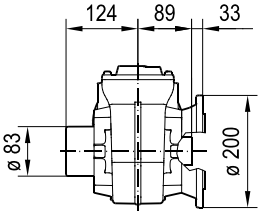
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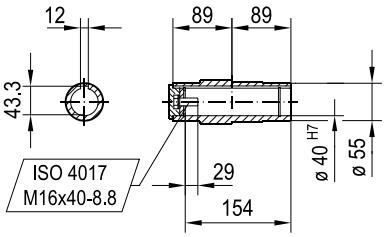
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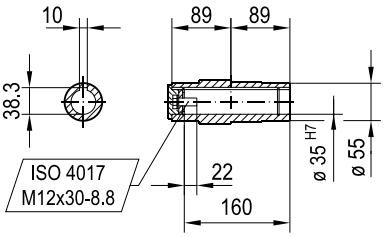
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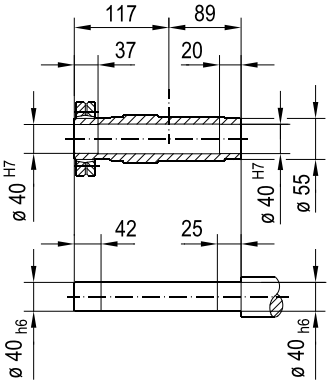


ø 40 H7



ø 35 H7



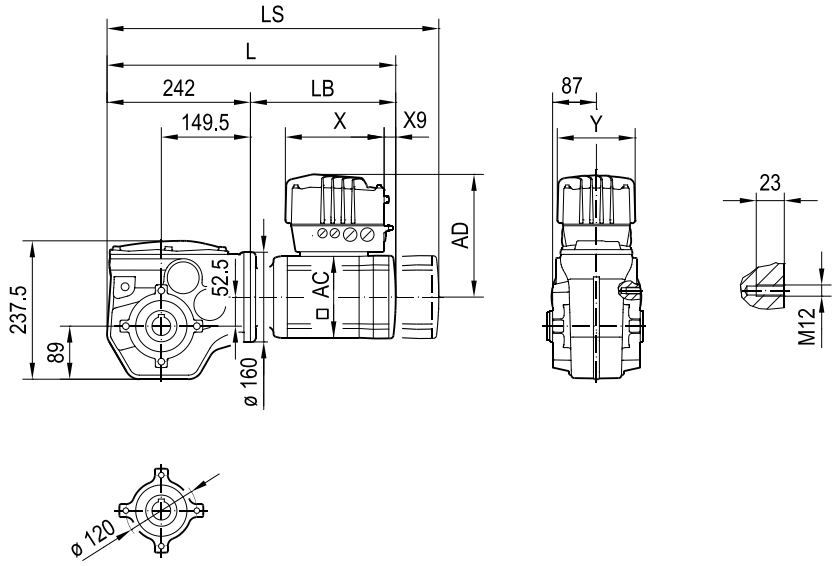


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	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	504	504	530					
LS	545	545	571					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

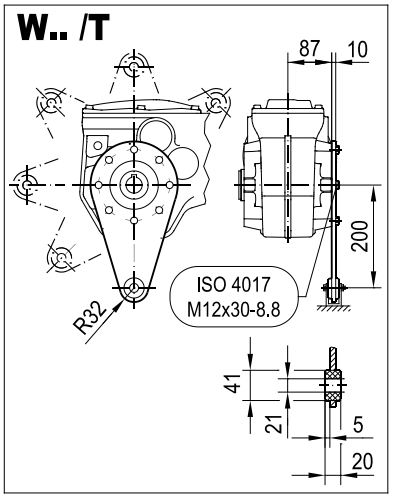
31546617/EN – 04/2026

20 045 02 22

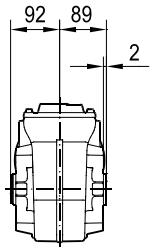
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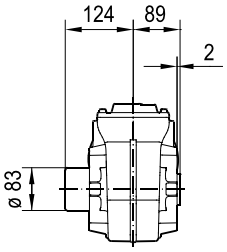
W.. /T



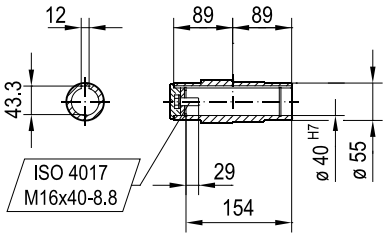
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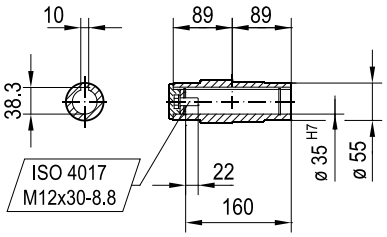
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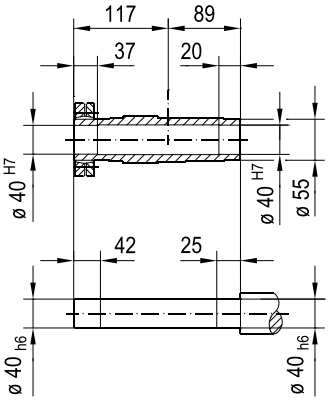


ø 40 H7



ø 35 H7



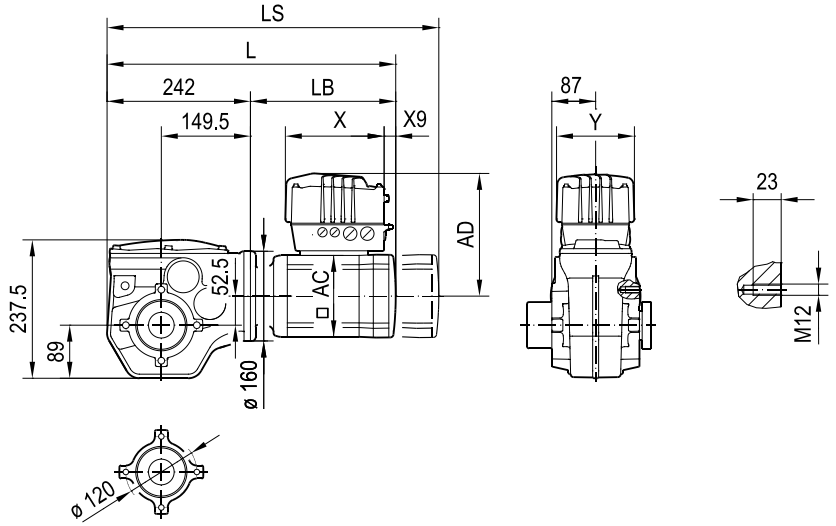


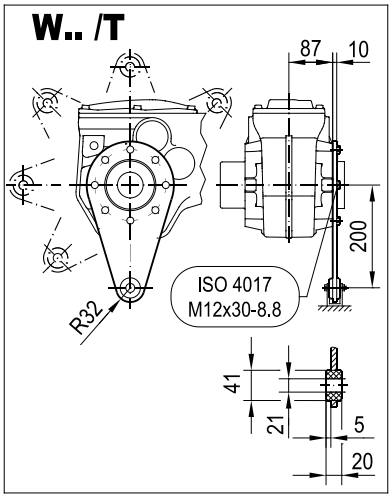
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	504	504	530					
LS	545	545	571					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

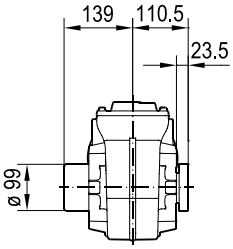
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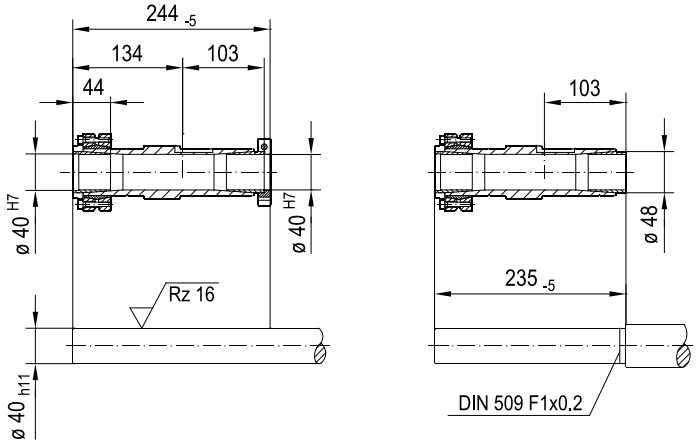
20 046 02 22

WT59..









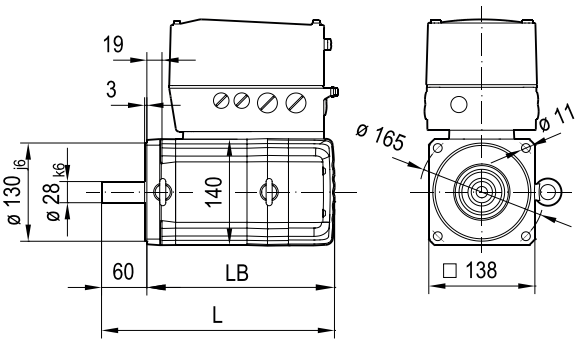
	CM3C/CM3P../D							
	80S_0032	80S_0040	80M_0055					
AC	140	140	140					
AD	229	249	249					
L	504	504	530					
LS	545	545	571					
LB	262	262	288					
X	200	213	213					
Y	145	168	168					
X9	17/58	17/58	17/58					

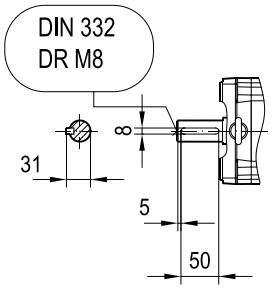
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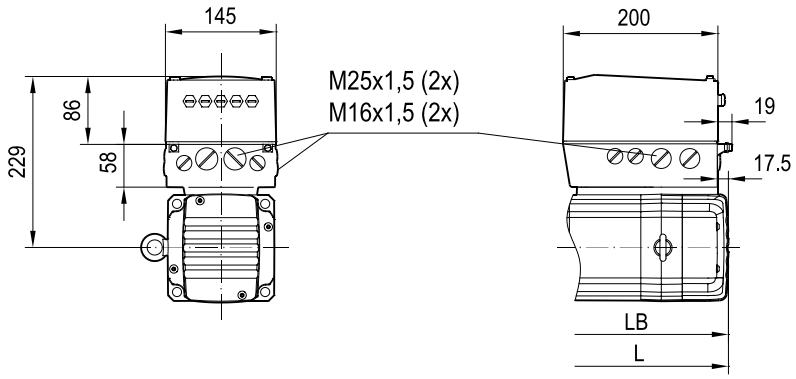
10 Dimension drawings of MOVIMOT® performance stand-alone motors

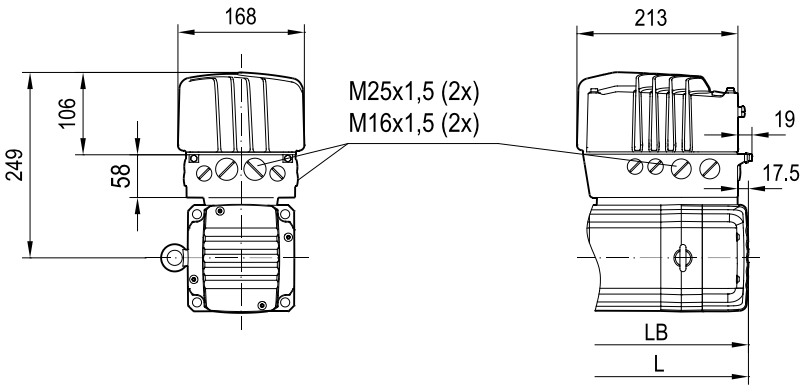
CM3C80S/M MOVIMOT® performance 08 195 00 20

/AZ2Z
/EZ2Z









	CM3C80							
	S	M						
LB	247	273						
L	307	333						

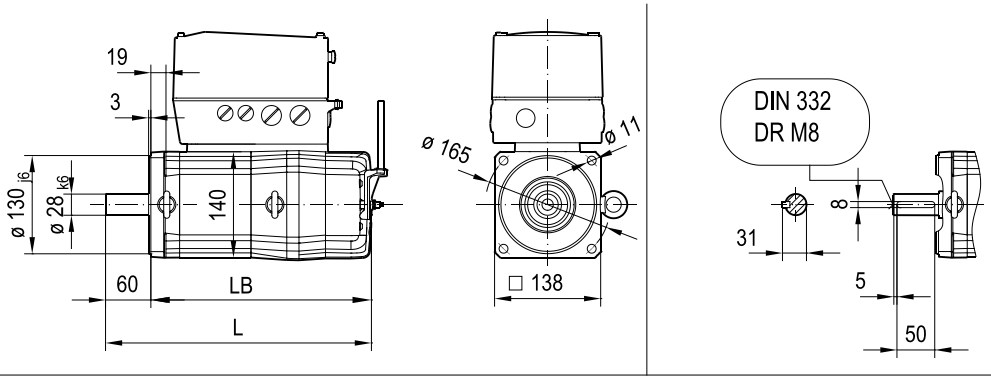
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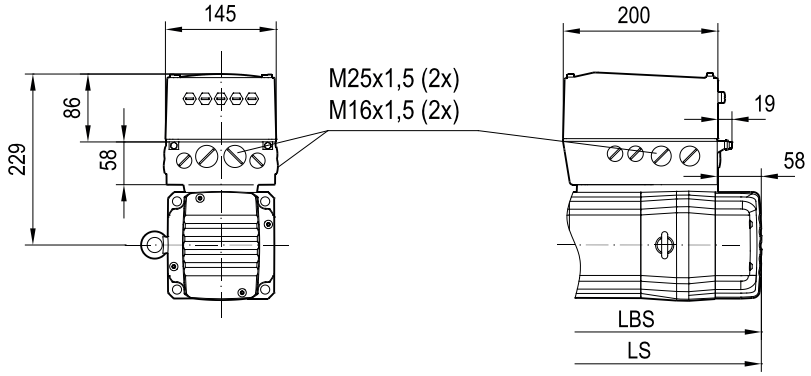
31546617/EN – 04/2026

CM3C80S/M BZ MOVIMOT® performance

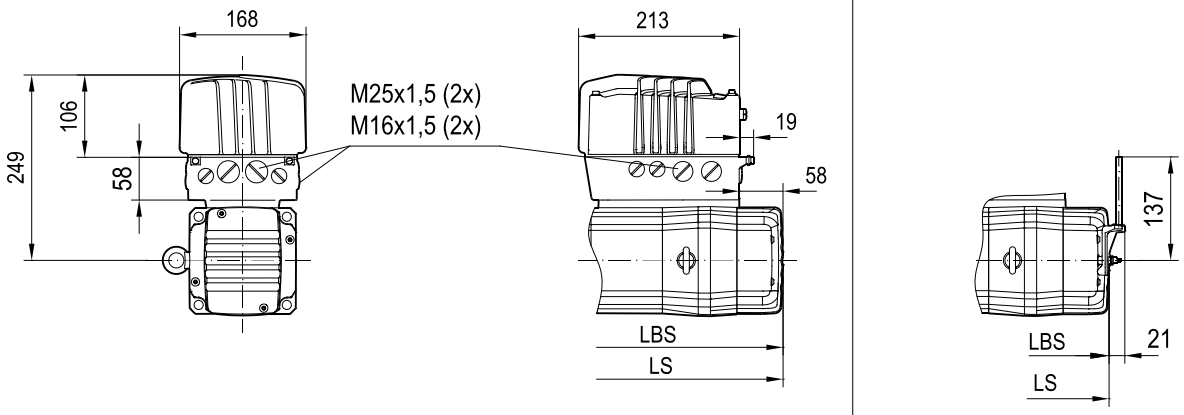
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/AZ2Z
/EZ2Z





/HR

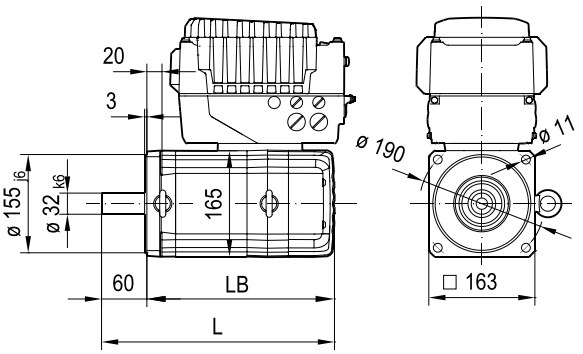


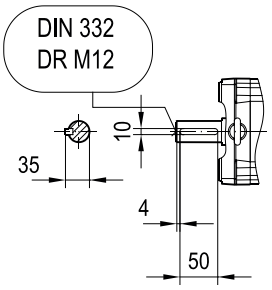
	CM3C80							
	S	M						
LBS	288	314						
LS	348	374						

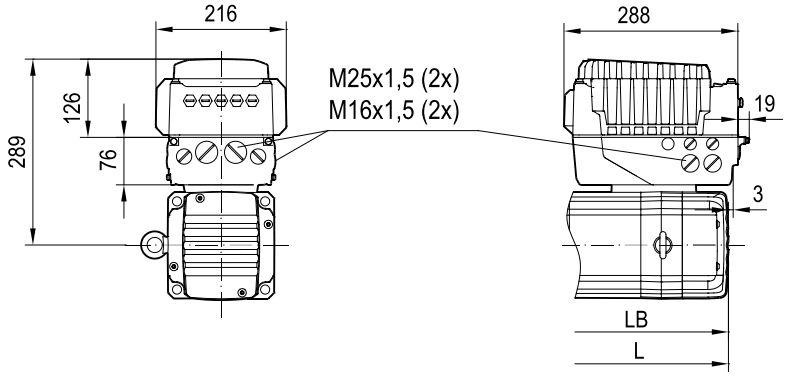
38649980811

CM3C100LM MOVIMOT® performance 08 285 01 21

/AZ2Z
/EZ2Z







	CM3C100							
	LM							
LB	352							
L	412							

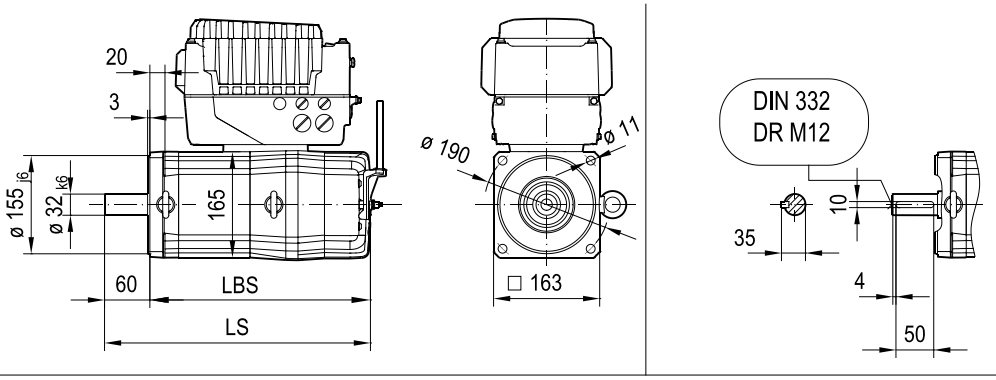
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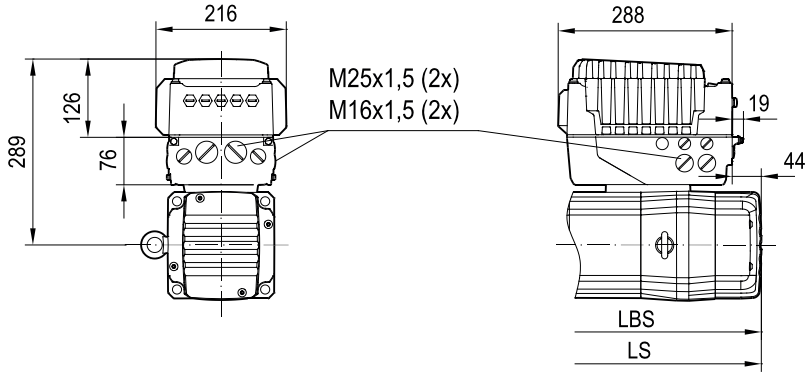
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CM3C100LM BZ MOVIMOT® performance

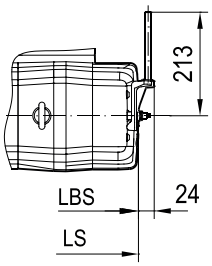
09 198 01 21

/AZ2Z
/EZ2Z





/HR



	CM3C100 LM							
LBS	399							
LS	459							

38650045451

31546617/EN – 04/2026

11 Contacting SEW-EURODRIVE

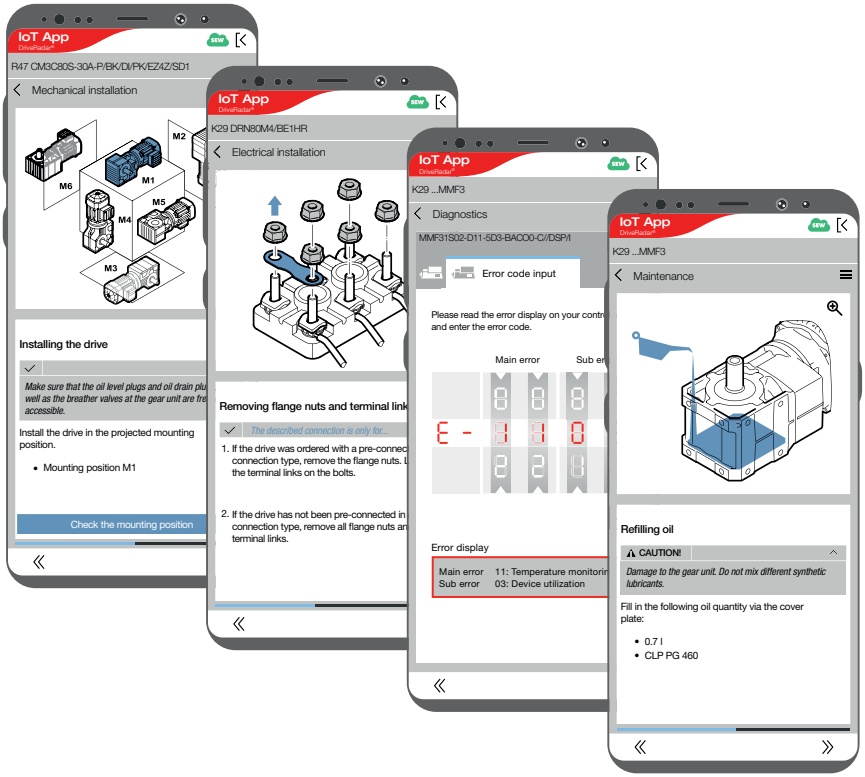
You can find the worldwide contact data and locations on the **SEW-EURODRIVE website** via the following link or the QR code shown below.

https://www.sew-eurodrive.de/contacts-worldwide



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SEW-EURODRIVE
Driving the world

SEW-EURODRIVE GmbH & Co KG
Ernst-Blickle-Str. 42
76646 BRUCHSAL
GERMANY
Tel. +49 7251 75-0
Fax +49 7251 75-1970
sew@sew-eurodrive.com
→ www.sew-eurodrive.com