



Ergänzung zum Katalog



MOVIMOT[®]-Getriebemotoren (LSPM-Technologie)
DR.71SJ – DR.100LJ
mit R-, F-, K- und W-Getrieben





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1 Einleitung

1.1 Die Firmengruppe SEW-EURODRIVE

1.1.1 Weltweite Präsenz

Driving the world – mit innovativen Antriebslösungen für alle Branchen und für jede Anwendung. Produkte und Systeme von SEW-EURODRIVE finden überall ihren Einsatz – weltweit. Ob in der Automobil-, Baustoff-, Nahrungs- und Genussmittel oder Metall verarbeitenden Industrie – die Entscheidung für Antriebstechnik "made by SEW-EURODRIVE" bedeutet Sicherheit für Funktion und Investition.

Wir sind nicht nur in allen wichtigen Branchen unserer Zeit vertreten, wir zeigen auch globale Präsenz: Mit 15 Fertigungswerken und 75 Drive Technology Center weltweit sowie mit unserem Service, den wir als integrative Dienstleistung verstehen und der unseren Qualitätsanspruch adäquat fortsetzt.

1.1.2 Immer den richtigen Antrieb

Das Baukastensystem von SEW-EURODRIVE bietet mit seiner millionenfachen Varianz die beste Voraussetzung, den passenden Antrieb zu finden und ihn optimal zu platzieren: individuell nach erforderlichem Drehzahl- und Drehmomentbereich, den Platzverhältnissen und den Umgebungsbedingungen. Getriebe und Getriebemotoren mit einer unübertroffenen feinen Abstufung der Leistungsbereiche und damit besten wirtschaftlichen Voraussetzungen für Ihre Antriebsaufgabe.

In den elektronischen Komponenten Frequenzumrichter MOVITRAC®, Antriebsumrichter MOVIDRIVE® und Mehrachs-Servoverstärker MOVIAxis® finden die Getriebemotoren eine Ergänzung, die sich optimal in das Systemangebot von SEW-EURODRIVE einfügt. Wie bei der Mechanik erfolgt die Entwicklung, Produktion und Montage komplett bei SEW-EURODRIVE. Kombiniert mit der Antriebselektronik erreichen unsere Antriebe maximale Flexibilität.

Produkte aus dem Servo-Antriebssystem, wie beispielsweise spielarme Servogetriebe, kompakte Servomotoren oder Mehrachs-Servoverstärker MOVIAxis® sorgen für Präzision und Dynamik. Von Ein- oder Mehrachsapplikationen bis hin zu synchronisierten Prozessabläufen – Servo-Antriebssysteme von SEW-EURODRIVE sorgen für eine flexible und individuelle Realisierung der Anwendungen.

Für ökonomische, dezentrale Installationen bietet SEW-EURODRIVE Komponenten aus dem dezentralen Antriebssystem, wie beispielsweise MOVIMOT® – den Getriebemotor mit integriertem Frequenzumrichter oder MOVI-SWITCH® – den Getriebemotor mit integrierter Schalt- und Schutzfunktion. Und mit den eigens entwickelten Hybridkabeln realisiert SEW-EURODRIVE unabhängig von Anlagenphilosophie oder Anlagenumfang wirtschaftlich funktionale Lösungen. Die aktuellen Entwicklungen von SEW-EURODRIVE: Elektronikmotor DRC, MOVIGEAR® – das mechatronische Antriebssystem, MOVIFIT® – die dezentrale Antriebssteuerung, MOVIPRO® – die dezentrale Antriebs-, Positionier- und Applikationssteuerung sowie MOVITRANS®-Systemkomponenten für die kontaktlose Energieübertragung.

Kraft, Qualität und Robustheit vereint in einem Serienprodukt: bei SEW-EURODRIVE realisieren Industriegetriebe mit großen Drehmomenten die ganz großen Bewegungen. Auch hier sorgt das Baukastenprinzip für die optimale Adaption der Industriegetriebe an die verschiedensten Einsatzbedingungen.

1.1.3 Der richtige Partner

Die weltweite Präsenz, das umfangreiche Produktprogramm und das breite Dienstleistungsspektrum machen SEW-EURODRIVE zum idealen Partner des Maschinen- und Anlagenbaus bei der Lösung anspruchsvoller Antriebsaufgaben – für alle Branchen und Anwendungen.



1.2 **Inhalt dieser Druckschrift**

1

Diese Ergänzung zum Katalog "MOVIMOT®-Getriebemotoren" mit Drehstrommotoren DR." beschreibt die technischen Daten folgender Produktgruppen von SEW-EURODRIVE:

- DR..J-Stirnradgetriebemotoren (LSPM-Technologie) mit MOVIMOT®-Umrichter
- DR..J-Flachgetriebemotoren (LSPM-Technologie) mit MOVIMOT®-Umrichter
- DR..J-Kegelradgetriebemotoren (LSPM-Technologie) mit MOVIMOT®-Umrichter
- DR..J-SPIROPLAN®-Getriebemotoren (LSPM-Technologie) mit MOVIMOT®-Umrichter

Diese Ergänzung bietet Ihnen folgende Informationen:

- Produktbeschreibung LSPM-Technologie
- Projektierungshinweise DR..J-Antriebe (LSPM-Technologie)
- Übersicht über die geometrisch möglichen Kombinationen (LSPM-Technologie)
- Darstellung der Ausführungsarten
- Auswahltabellen DR..J-Getriebemotoren (LSPM-Technologie)
- Technische Daten MOVIMOT®-Motorkombinationen (LSPM-Technologie)

1.3 **Weiterführende Dokumentation**

Folgende Informationen zu den DR..J-Getriebemotoren (LSPM-Technologie) finden Sie im Katalog "MOVIMOT®-Getriebemotoren mit Drehstrommotoren DR.".

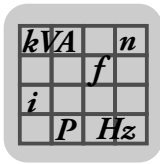
- Produktbeschreibungen
- Typenbezeichnungen
- Projektierungshinweise Getriebe
- Darstellung der Raumlagen
- Erläuterungen zu den Bestellangaben
- Konstruktions- und Betriebshinweise
- Wichtige Hinweise zu den Tabellen und Maßblättern
- Darstellung der Ausführungsarten
- Auswahltabellen DR-Getriebemotoren
- Technische Daten
- Maßblätter DR-Getriebemotoren

Ergänzend zu dem Preiskatalog / Katalog "MOVIMOT®-Getriebemotoren" erhalten Sie von SEW-EURODRIVE die Kataloge "DR-Getriebemotoren" und "DR-Drehstrommotoren".

1.4 **Urheberrechtsvermerk**

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Jegliche – auch auszugsweise – Vervielfältigung, Bearbeitung, Verbreitung und sonstige Verwertung sind verboten.



2 Produktbeschreibung

MOVIMOT® ist die bewährte Kombination aus einem Getriebemotor und einem digitalen Frequenzumrichter im Leistungsbereich von 0,37 bis 4,0 kW. Trotz des integrierten Frequenzumrichters benötigt MOVIMOT® nur unwesentlich mehr Einbauplatz als die herkömmlichen Getriebemotoren.

Der Line-Start-Permanent-Magnet-DR...J-Motor ist ein Drehstrommotor mit Kurzschlussläufer, der im Rotor Permanentmagnete enthält. Nach seinem asynchronen Anlauf synchronisiert sich der Motor auf die Speisefrequenz auf und läuft schließlich im Synchronbetrieb.

Kompakt und robust gebaut, überzeugen die DR...J-Motoren (LSPM-Technologie) durch weitere interessante Synergien. Denn prinzipbedingt weisen sie keine Rotorverluste auf. Das Ergebnis ist ein besonders hoher Wirkungsgrad bei kompakter Bauweise. Die DR...J-Motoren (LSPM-Technologie) verbinden die Vorteile des langlebigen und widerstandsfähigen Asynchronmotors mit denen des verlustarmen und kompakten Synchronmotors.



3 Projektierung von MOVIMOT®-Antrieben



HINWEIS

- Für vertikale und horizontale Applikationen (Hubwerk), deren Steigung 10° übersteigen, dürfen DR...J-Drehstrommotoren nicht eingesetzt werden!
- MOVIMOT®-Drehstrommotoren vom Typ DR...J/MM können für Versorgungsspannung von 380 bis 500 V geliefert werden.

3

3.1 Allgemeine Merkmale

Die DR...J-Drehstrommotoren von SEW-EURODRIVE sind für den Betrieb am MOVIMOT®-Umrichter konzipiert (Umrichter am Motor montiert oder motornahe Montage).

Dafür stehen Antriebe in den folgenden Ausführungen zur Verfügung:

- Stellbereich 1 : 5, 300 – 1500 1/min, $\wedge$ -Schaltung
- Stellbereich 1 : 8,7, 300 – 2610 1/min, $\triangle$ -Schaltung

Der Betrieb des Motors über die angegebenen Drehzahlen hinaus ist nicht zulässig!

Der Dauerbetrieb unterhalb von 300 1/min ist nicht zulässig!

Der Drehzahlbereich unterhalb von 300 1/min darf nur während der Beschleunigungs- oder Verzögerungsphase durchfahren werden.



HINWEIS

DR...J/MM-Motoren mit der Nenndrehzahl 2610 1/min werden standardmäßig mit der geräuschreduzierenden Lüfterhaube ausgeliefert. Diese Reduzierung wird durch den Einsatz eines speziellen Lüfterhauben-Blechs realisiert.

Die Lautstärke der Geräusche verringert sich dadurch um 5 – 8 dB(A).

Die LSPM-Technologie ermöglicht lastunabhängige, synchrone Drehzahlen bis zum synchronen Kippmoment $M_{K\text{ syn}}$.

3.1.1 Wärmeklassen nach IEC 60034-1 (EN 60034-1)

DR...J/MM-Drehstrommotoren sind serienmäßig in der Wärmeklasse 155 (F) ausgeführt. Die nachfolgenden Angaben basieren auf der Ausnutzung der Wärmeklasse F.

3.1.2 Thermisch zulässiges Drehmoment

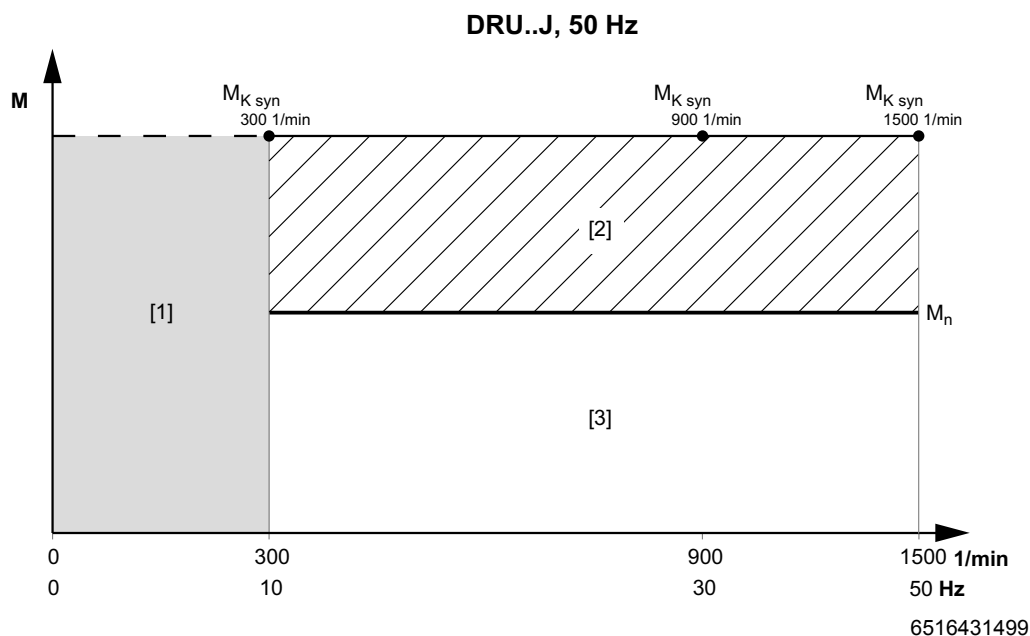
Bei der Projektierung von MOVIMOT®-Motoren des Typs DR...J/MM müssen Sie das thermisch zulässige Drehmoment beachten.

Das projektierte, effektive Drehmoment muss unter Beachtung der mittleren Drehzahl unterhalb der M_n -Kurve liegen, siehe folgende Diagramme:



3.1.3 $f_{\text{Eck}} = 50 \text{ Hz}$ (400 V Δ)

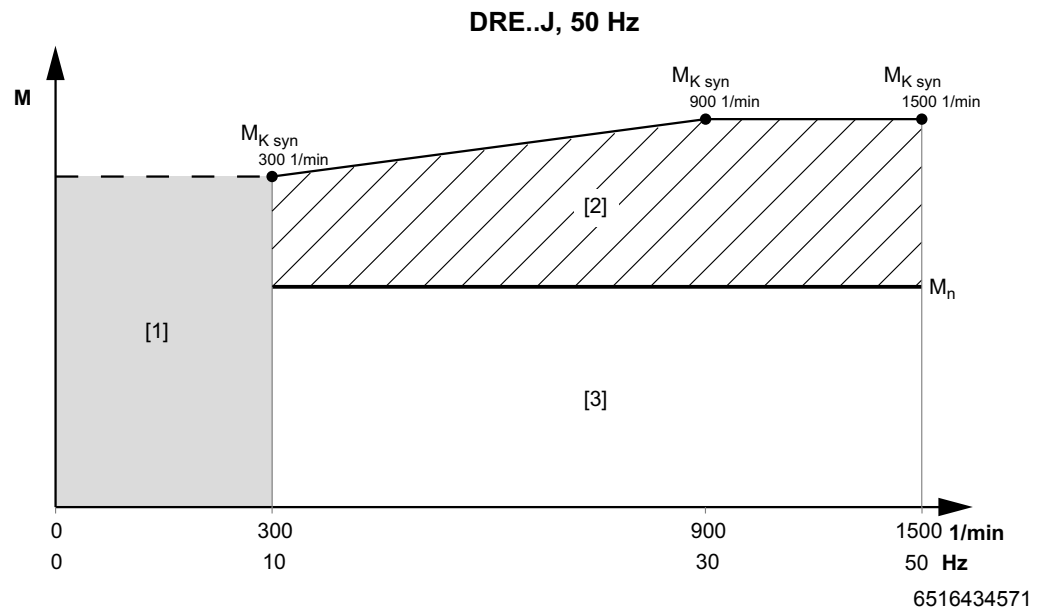
Die folgenden Diagramme zeigen die Grenzkurven für Betrieb mit einer Eckfrequenz von $f_{\text{Eck}} = 50 \text{ Hz}$.



- [1] Kurzzeitige Beschleunigung / Verzögerung
- [2] Kurzzeitige Überlast
- [3] Dauerbetrieb
Effektives Drehmoment $\leq M_n$

Werte des Nenndrehmoments M_n und des synchronen Kippmoments $M_{K \text{ syn}} / M_n$ finden Sie in der folgenden Tabelle:

Motortyp	Leistung Motor P_n [kW]	Nenn- drehmoment M_n [Nm]	Synchrones Kippmoment $M_{K \text{ syn}} / M_n$		
			300 1/min 10 Hz	900 1/min 30 Hz	1500 1/min 50 Hz
DRU71MJ4/MM03	0.37	2.36	1.8	1.8	1.8
DRU80SJ4/MM05	0.55	3.5	1.7	1.8	1.8
DRU80MJ4/MM07	0.75	4.8	1.8	1.8	1.8
DRU90MJ4/MM11	1.1	7.0	1.8	1.8	1.8
DRU90LJ4/MM15	1.5	9.5	1.8	1.8	1.8
DRU100MJ4/MM22	2.2	14.0	1.8	1.8	1.8
DRU100LJ4/MM30	3.0	19.1	1.8	1.8	1.8



- [1] Kurzzeitige Beschleunigung / Verzögerung
- [2] Kurzzeitige Überlast
- [3] Dauerbetrieb
Effektives Drehmoment $\leq M_n$

Werte des Nenndrehmoments M_n und des synchronen Kippmoments $M_{K \text{ syn}} / M_n$ finden Sie in der folgenden Tabelle:

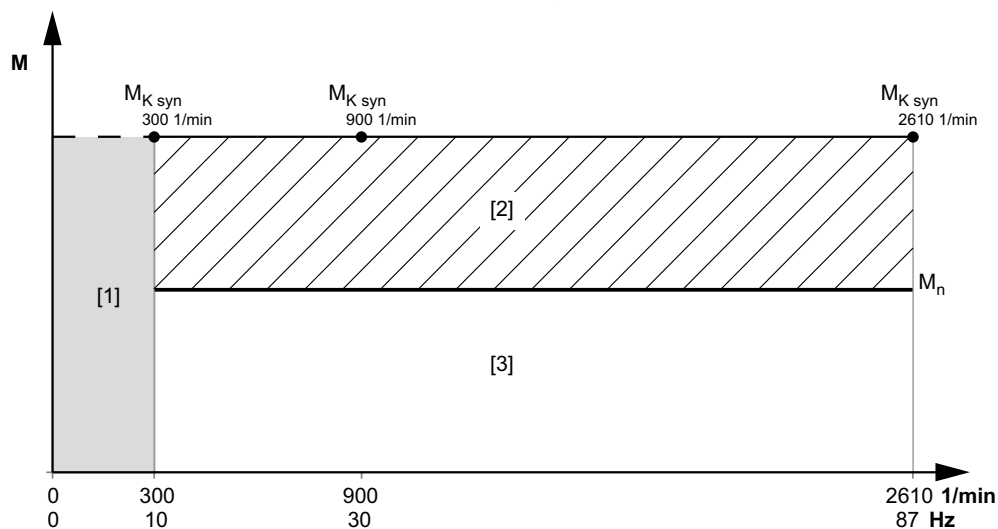
Motortyp	Leistung Motor P_n [kW]	Nenn- drehmoment M_n [Nm]	Synchrones Kippmoment $M_{K \text{ syn}} / M_n$		
			300 1/min 10 Hz	900 1/min 30 Hz	1500 1/min 50 Hz
DRE71SJ4/MM03	0.37	2.36	1.1	1.3	1.3
DRE71MJ4/MM05	0.55	3.5	1.3	1.6	1.6
DRE71MJ4/MM07	0.75	4.8	1.1	1.3	1.3
DRE80SJ4/MM11	1.1	7.0	1.1	1.3	1.3
DRE80MJ4/MM15	1.5	9.5	1.3	1.6	1.6
DRE90MJ4/MM22	2.2	14.0	1.3	1.6	1.6
DRE90LJ4/MM30	3.0	19.1	1.5	1.8	1.8
DRE100MJ4/MM40	4.0	25.5	1.5	1.8	1.8



3.1.4 $f_{\text{Eck}} = 87 \text{ Hz}$ (400 V Δ)

Die folgenden Diagramme zeigen die Grenzkurven für Betrieb mit einer Eckfrequenz von $f_{\text{Eck}} = 87 \text{ Hz}$.

DRU..J, 87 Hz



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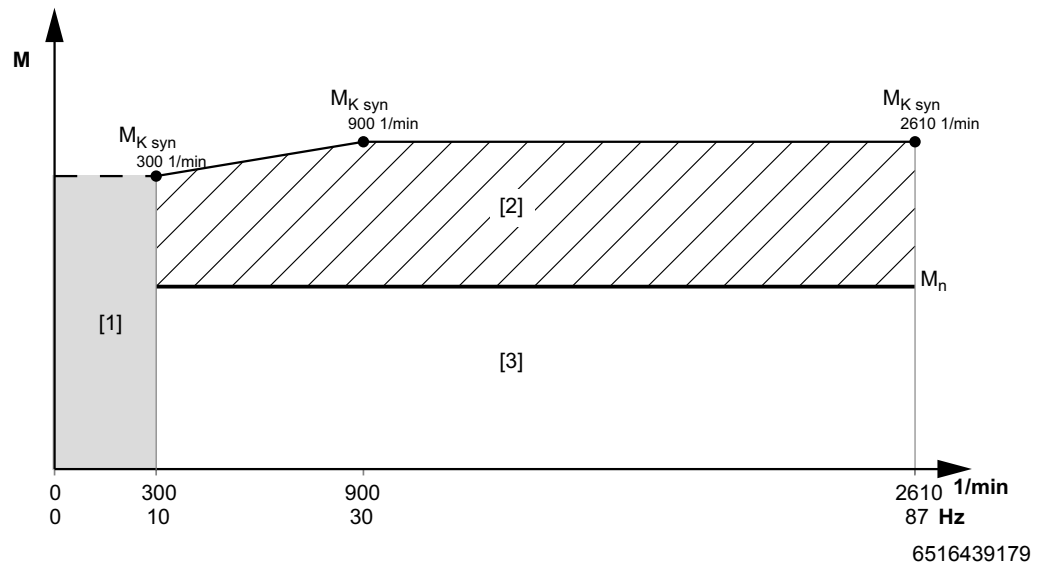
- [1] Kurzzeitige Beschleunigung / Verzögerung
- [2] Kurzzeitige Überlast
- [3] Dauerbetrieb
Effektives Drehmoment $\leq M_n$

Werte des Nenndrehmoments M_n und des synchronen Kippmoments $M_{K \text{ syn}} / M_n$ finden Sie in der folgenden Tabelle:

Motortyp	Leistung Motor P_n [kW]	Nenn- drehmoment M_n [Nm]	Synchrones Kippmoment $M_{K \text{ syn}} / M_n$		
			300 1/min 10 Hz	900 1/min 30 Hz	2610 1/min 87 Hz
DRU71SJ4/MM03	0.37	1.35	1.8	1.8	1.8
DRU71MJ4/MM05	0.55	2.0	1.8	1.8	1.8
DRU80SJ4/MM07	0.75	2.74	1.8	1.8	1.8
DRU80MJ4/MM11	1.1	4.0	1.8	1.8	1.8
DRU90MJ4/MM15	1.5	5.5	1.8	1.8	1.8
DRU90LJ4/MM22	2.2	8.1	1.8	1.8	1.8
DRU100MJ4/MM30	3.0	11.0	1.8	1.8	1.8
DRU100LJ4/MM40	4.0	14.6	1.8	1.8	1.8



DRE..J, 87 Hz



- [1] Kurzzeitige Beschleunigung / Verzögerung
- [2] Kurzzeitige Überlast
- [3] Dauerbetrieb
Effektives Drehmoment $\leq M_n$

Werte des Nenndrehmoments M_n und des synchronen Kippmoments $M_{K \text{ syn}} / M_n$ finden Sie in der folgenden Tabelle:

Motortyp	Leistung Motor P_n [kW]	Nenn- drehmoment M_n [Nm]	Synchrones Kippmoment $M_{K \text{ syn}}$		
			300 1/min 10 Hz	900 1/min 30 Hz	2610 1/min 87 Hz
DRE71SJ4/MM05	0.55	2.0	1.3	1.5	1.5
DRE71MJ4/MM07	0.75	2.74	1.7	1.8	1.8
DRE71MJ4/MM11	1.1	4.0	1.3	1.5	1.5
DRE80SJ4/MM15	1.5	5.5	1.4	1.7	1.7
DRE80MJ4/MM22	2.2	8.1	1.6	1.8	1.8
DRE90MJ4/MM30	3.0	11.0	1.7	1.8	1.8
DRE90LJ4/MM40	4.0	14.6	1.8	1.8	1.8



3.1.5 Drehmoment-Grenzkurven

Bei elektrischen Maschinen am Frequenzumrichter müssen Sie das maximale Drehmoment und die maximale Drehzahl als absolute Grenze beachten.

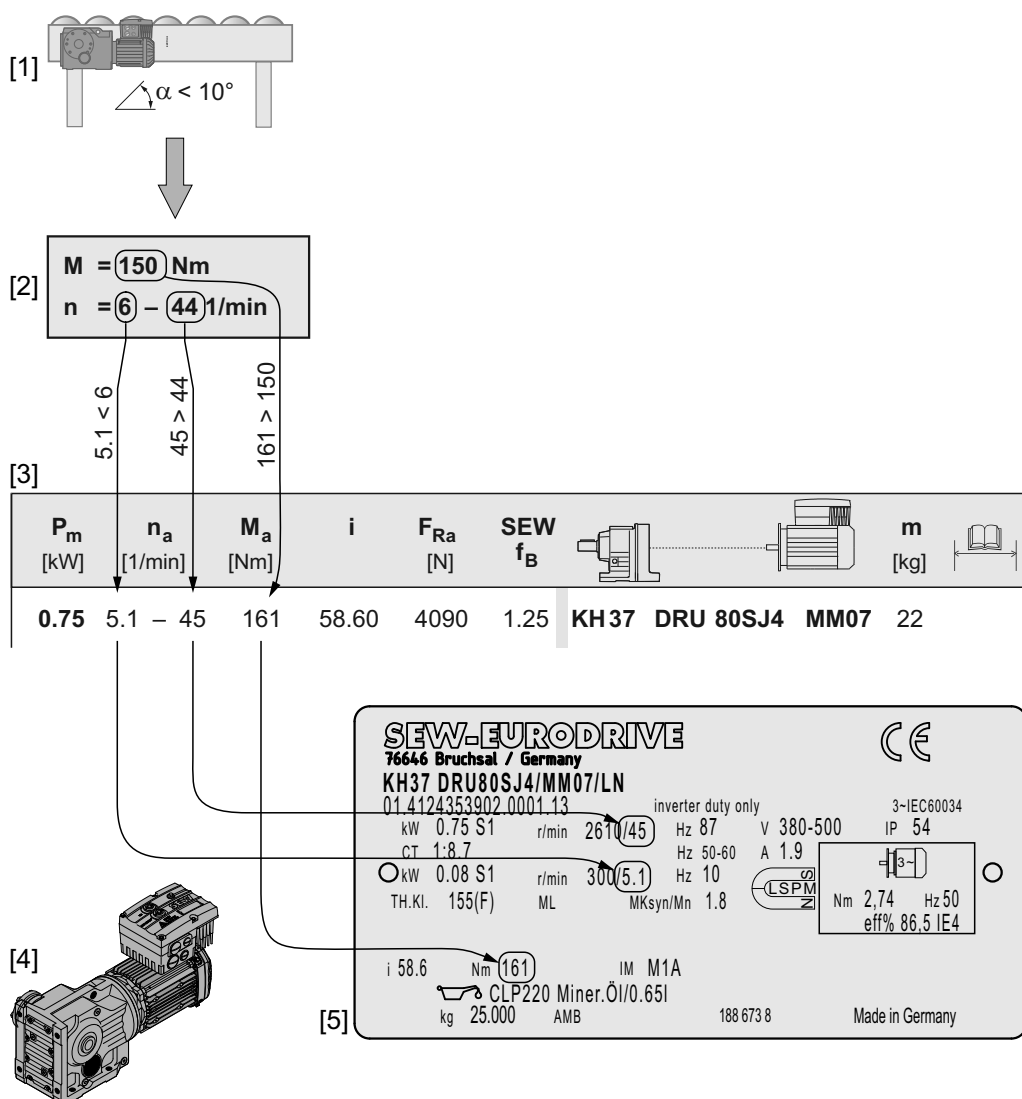
Das maximale Drehmoment ist das synchrone Kippmoment $M_{K\text{ syn}}$.

Die Werte für das synchrone Kippmoment $M_{K\text{ syn}}$ in den folgenden Tabellen beziehen sich auf eine Versorgungsspannung des MOVIMOT®-Antriebs von 400 V.

Für Bremsmotoren müssen Sie zusätzlich die geltenden Projektierungsvorschriften bezüglich der Bremsarbeit beachten.

3.1.6 Projektierungsbeispiel Förderstrecke mit DR...J-Antrieb

Das folgende Bild zeigt beispielhaft den Projektierungsablauf einer Förderstrecke mit DR...J-Antrieb:



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3.2 Quer- und Axialkräfte

Wenn am Antrieb Zusatzbelastungen auftreten, z. B. Quer- oder Axialkräfte durch Riementriebe, müssen Sie diese zusätzlich berücksichtigen.

3.2.1 Querkraftermittlung

Bei der Querkraftermittlung muss mit Zuschlagsfaktoren f_z gerechnet werden. Diese sind abhängig von den eingesetzten Übertragungsmitteln, wie z. B., Zahnräder, Ketten, Keil-, Flach- oder Zahnriemen. Bei Riemenscheiben kommt der Einfluss der Riemenvorspannung hinzu. Die mit dem Zuschlagsfaktor errechneten Querkräfte F_R dürfen nicht größer sein als die für den Motor zulässige Querkraft.



HINWEIS

Gegenüber den DR-Motoren sind bei den DR..J-Drehstrommotoren die im Katalog „Drehstrommotoren“ angegebenen zulässigen Querkräfte um 20 % zu reduzieren.

Übertragungselement	Zuschlagsfaktor f_z	Bemerkungen
Direktantrieb	1,0	–
Zahnräder	1,0	≥ 17 Zähne
Zahnräder	1,15	< 17 Zähne
Kettenräder	1,0	≥ 20 Zähne
Kettenräder	1,25	< 20 Zähne
Schmalkeilriemen	1,75	Einfluss der Vorspannkraft
Flachriemen	2,50	Einfluss der Vorspannkraft
Zahnriemen	1,50	Einfluss der Vorspannkraft
Zahnstange	1,15	< 17 Zähne (Ritzel)

Mit der folgenden Gleichung wird der Zuschlagsfaktor f_z mit der Querkraft verrechnet:
 $F_R = 0,8 \times f_z \times F_{Rx}$

3.2.2 Zulässige Axialkraft DR-Motoren

Die zulässige Axialkraft F_A können Sie dann an Hand der zuvor ermittelten Querkraft F_{Rx} ermitteln:

DR.-Motoren: $F_A = 0,2 \times F_{Rx}$

Das kundenseitige Motorwellenende und die Lagerung wurden für die Quer- und Axialkräfte nach den Diagrammen in diesem Kapitel ausgelegt. Die Angaben beruhen auf der Nenndrehzahl n_n und dem überlagerten Nenndrehmoment M_n bei S1-Betrieb des Motors.

Das zweite Wellenende des Motors, das in den Diagrammen als Kurve /2W angegeben ist, kann überlagert maximal das Nenndrehmoment M_n des Motors im S1-Betrieb übertragen.



HINWEIS

Kräfte bei abweichenden Randbedingungen

Treten Bedingungen ein, die nicht durch die Beschreibungen und Darstellungen in diesem Kapitel abgedeckt sind, halten Sie bitte Rücksprache mit SEW-EURODRIVE.



3.2.3 Verwendete Kugellagertypen (Standard)

Die folgende Tabelle zeigt die zulässigen Kugellagertypen:

Motortyp	A-Lager		B-Lager	
	IEC-Motor	Getriebemotor	Drehstrommotor	Bremsmotor
DR.71.J4	6204-2Z-J-C3	6303-2Z-J-C3	6203-2Z-J-C3	6203-2RS-J-C3
DR.80.J4	6205-2Z-J-C3	6304-2Z-J-C3	6304-2Z-J-C3	6304-2RS-J-C3
DR.90.J4 - DR.100.J4	6306-2Z-J-C3		6205-2Z-J-C3	6205-2RS-J-C3

3.3 Bremsmomentzuordnung

Motor Typ	Bremsen Typ	Bremsmomentstufung [Nm]											
		1.8	2.5	3.5	5.0	7.0	10	14	20	28	40	55	80
DR.71	BE05				5.0	7.0	10						
	BE1				5.0	7.0	10						
DR.80	BE05	1.8	2.5	3.5	5.0								
	BE1				5.0	7.0	10						
	BE2					7.0	10	14	20				
DR.90	BE1				5.0	7.0	10						
	BE2					7.0	10	14	20				
	BE5								20	28	40	55	
DR.100	BE2					7.0	10	14	20				
	BE5								20	28	40	55	
DR.112	BE5									28	40	55	
	BE11										40	55	
DR.132	BE5									28	40	55	
	BE11										40	55	80 110

Vorzugs-Bremsenspannung

MOVIMOT®-Typ	Vorzugs-Bremsenspannung
MOVIMOT® MM..D-503, Baugröße 1 (MM03.. bis MM15..)	230 V
MOVIMOT® MM..D-503, Baugröße 2 (MM22.. bis MM40..)	120 V
MOVIMOT® MM..D-233 ¹⁾ , Baugröße 1 und 2 (MM03.. bis MM40..)	

1) In Verbindung mit MOVIMOT® MM..D-233 sind nur Bremsen mit einer Nennspannung von 120 V zulässig.

3.4 Projektierung mit der SEW-Workbench

Zur Projektierung der DR...J-Drehstrommotoren verwenden Sie bitte die SEW-Workbench.

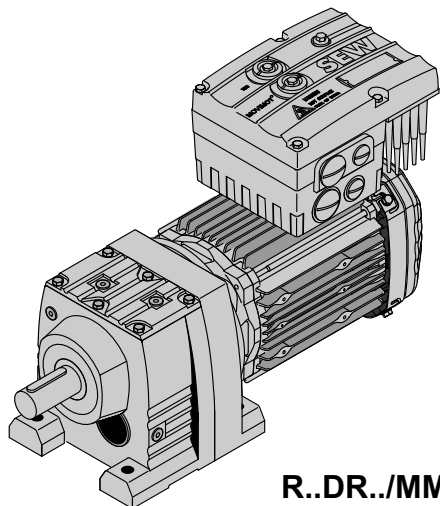
Die SEW-Workbench ist ein Tool, das eine Auswahl der SEW-EURODRIVE-Produkte und deren Systemkonfiguration ermöglicht.

Nähere Informationen finden Sie unter: "www.sew-eurodrive.de/produkt/elektro-nischer-katalog-system-engineering-sew-workbench.htm".

Bei weiteren Fragen zur Projektierung der DR...J-Drehstrommotoren wenden Sie sich bitte an den für Sie zuständigen Vertriebsberater von SEW-EURODRIVE.

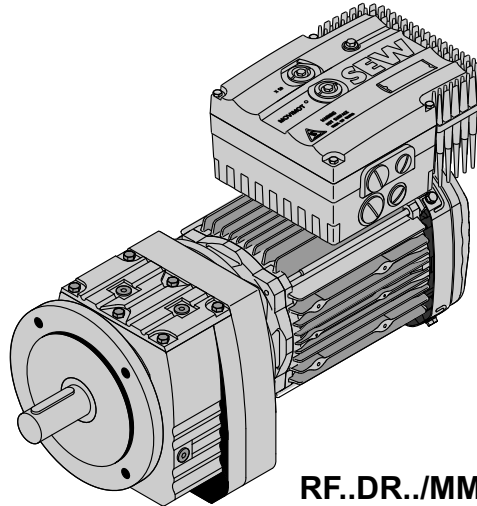
4 R..DR..J..MM..

MM03 – MM15



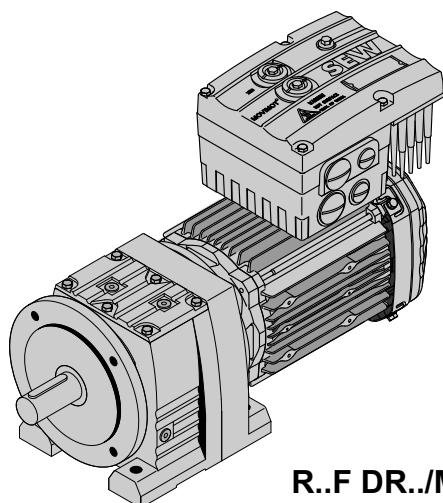
R..DR../MM..

MM22 – MM30

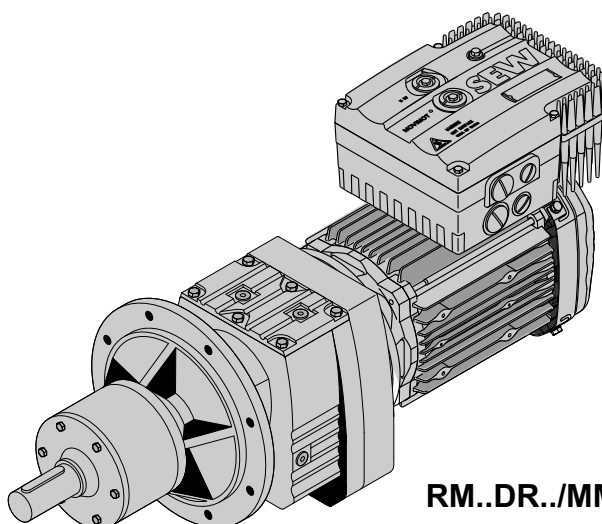


RF..DR../MM..

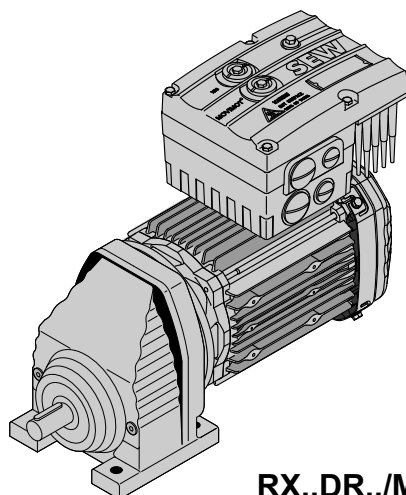
4



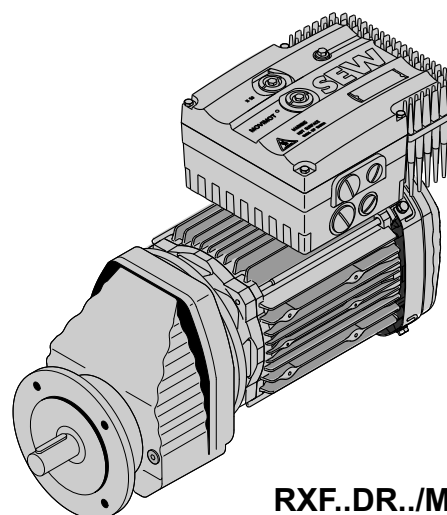
R..F DR../MM..



RM..DR../MM..

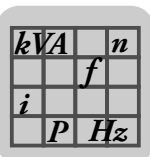


RX..DR../MM..



RXF..DR../MM..

5930602379

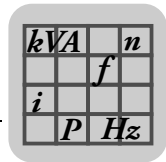


R..DR..J..MM..

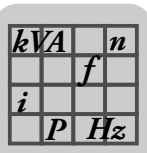
R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

4.1 R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	1.5 - 13	400	199.81	9320	1.50						
	1.6 - 14	370	184.07	9520	1.60	R	67	DRE	71SJ4	MM05	32
	1.9 - 16	315	158.14	9800	1.90	RF	67	DRE	71SJ4	MM05	35
	2.2 - 19	275	137.67	9980	2.2	RM	67	DRE	71SJ4	MM05	51
	2.3 - 20	255	128.97	10100	2.3						
	1.6 - 14	375	186.89	7390	1.20						
	1.7 - 15	345	172.17	7490	1.30						
	2.0 - 18	295	147.92	7640	1.50	R	57	DRE	71SJ4	MM05	26
	2.3 - 20	255	128.77	7730	1.75	RF	57	DRE	71SJ4	MM05	29
	2.5 - 22	240	120.63	7720	1.85	RM	57	DRE	71SJ4	MM05	41
	2.8 - 24	210	106.58	7470	2.1						
	3.0 - 26	199	98.99	7320	2.3						
	3.3 - 29	181	89.71	7130	2.5						
	1.7 - 15	355	176.88	3650	0.85						
	1.8 - 16	325	162.94	5230	0.90						
	2.1 - 19	280	139.99	5510	1.05						
	2.5 - 21	245	121.87	5680	1.20	R	47	DRE	71SJ4	MM05	20
	2.6 - 23	225	114.17	5740	1.30	RF	47	DRE	71SJ4	MM05	21
	3.0 - 26	200	100.86	5760	1.50						
	3.2 - 28	189	93.68	5660	1.60						
	3.5 - 31	171	84.90	5520	1.75						
	3.9 - 34	153	76.23	5370	1.95						
	4.4 - 38	138	68.54	5220	2.2						
	2.2 - 19	270	134.82	0	0.75						
	2.4 - 21	245	123.66	2440	0.80						
	2.8 - 25	210	105.28	4790	0.95						
	3.3 - 29	183	90.77	5150	1.10						
	3.6 - 31	170	84.61	5220	1.15	R	37	DRE	71SJ4	MM05	17
	4.1 - 35	149	73.96	5050	1.35	RF	37	DRE	71SJ4	MM05	18
	4.3 - 38	140	69.33	4970	1.45						
	4.9 - 43	123	61.18	4820	1.60						
	5.4 - 47	112	55.76	4710	1.80						
	6.2 - 54	97	48.08	4530	2.1						
	6.7 - 58	90	44.81	4440	2.2						
	4.0 - 35	149	74.11	3270	0.85						
	4.3 - 38	140	69.47	3230	0.95						
	4.9 - 43	123	61.30	3150	1.05						
	5.4 - 47	112	55.87	3090	1.15						
	6.2 - 54	97	48.17	2990	1.35	R	27	DRE	71SJ4	MM05	11
	6.7 - 58	90	44.90	2940	1.45	RF	27	DRE	71SJ4	MM05	11
	7.6 - 66	79	39.25	2850	1.65						
	8.2 - 71	74	36.79	2800	1.75						
	9.2 - 80	65	32.47	2720	2.00						
	10 - 91	58	28.78	2640	2.2						
	12 - 107	49	24.47	2520	2.6						
	11 - 92	57	28.37	2620	2.3						
	12 - 100	52	26.09	2570	2.5	R	27	DRE	71SJ4	MM05	11
	13 - 117	45	22.32	2460	2.9	RF	27	DRE	71SJ4	MM05	11
	16 - 135	39	19.35	2370	3.3						
	6.3 - 55	95	47.44	1050	0.90						
	6.8 - 59	89	44.18	1520	0.95						
	7.8 - 68	78	38.61	1590	1.10						
	8.3 - 72	73	36.20	1580	1.15	R	17	DRE	71SJ4	MM05	10
	9.4 - 82	64	31.94	1560	1.30	RF	17	DRE	71SJ4	MM05	10.0
	11 - 92	57	28.32	1530	1.50						
	12 - 108	48	24.07	1490	1.75						



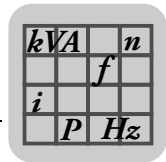
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	12 - 103	51	25.23	1500	1.65	R RF	17 17	DRE DRE	71SJ4 71SJ4	MM05 MM05	9.8
	13 - 113	47	23.15	1480	1.80						9.7
	15 - 132	40	19.71	1430	2.1						
	18 - 154	34	16.99	1390	2.5						
	19 - 165	32	15.84	1370	2.7						
	8.8 - 77	69	34.05	735	0.75	R RF	07 07	DRE DRE	71SJ4 71SJ4	MM05 MM05	8.9
	10 - 90	59	29.08	830	0.85						8.9
	11 - 97	54	26.97	830	0.90						
	13 - 112	47	23.32	830	1.05						
	14 - 120	44	21.73	820	1.15						
	16 - 143	37	18.31	810	1.35	R RF	07 07	DRE DRE	71SJ4 71SJ4	MM05 MM05	8.8
	18 - 156	34	16.73	800	1.50						8.8
	21 - 185	28	14.12	785	1.75						
	25 - 216	24	12.06	765	2.1						
	27 - 233	22	11.18	755	2.2						
	31 - 270	19	9.67	735	2.6						
	33 - 290	18	9.01	725	2.8						
	38 - 332	16	7.85	705	3.1						
	40 - 349	15	7.48	700	2.9						
	44 - 382	14	6.83	685	3.1						
	52 - 453	12	5.76	655	3.4						
	61 - 530	9.9	4.92	630	3.7						
	66 - 572	9.2	4.57	620	3.9						
	76 - 661	8.0	3.95	595	4.3						
	82 - 709	7.4	3.68	585	4.5						
	94 - 814	6.4	3.21	565	4.8						
	49 - 430	12	6.07	3400	3.5	RX RXF	67 67	DRE DRE	71SJ4 71SJ4	MM05 MM05	19
	58 - 504	10	5.18	3230	7.2						23
	66 - 577	9.1	4.53	3090	9.0						
	70 - 607	8.6	4.30*	3040	9.2						
	80 - 692	7.6	3.77	2920	11						
	55 - 475	11	5.50*	2670	3.5	RX RXF	57 57	DRE DRE	71SJ4 71SJ4	MM05 MM05	16
	59 - 515	10	5.07	2600	3.5						18
	69 - 600	8.8	4.35	2480	7.8						
	79 - 689	7.6	3.79	2370	9.0						
	85 - 735	7.1	3.55*	2320	9.7						
	96 - 832	6.3	3.14	2230	10						
	103 - 896	5.9	2.91	2180	11						
	114 - 989	5.3	2.64*	2110	13						
	127 - 1100	4.8	2.37	2040	14						
	147 - 1280	4.1	2.04	1940	17						
	156 - 1360	3.9	1.92*	1900	18						
	182 - 1580	3.3	1.65	1810	21						
0.75	1.2 - 11	675	246.54	20000	2.3	R RF RM	87 87 87	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	67
	1.4 - 12	590	216.54	20000	2.6						74
	1.5 - 13	560	205.71	20000	2.8						105
	1.6 - 14	495	181.77	20000	3.1						
	1.9 - 17	425	155.34	20000	3.6						
	1.8 - 16	455	166.59	12300	1.80	R RF RM	77 77 77	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	41
	2.1 - 18	395	145.67	12500	2.0						46
	2.2 - 19	375	138.39	12600	2.2						71
	1.9 - 16	430	158.14	9110	1.40	R RF RM	67 67 67	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	35
	2.2 - 19	375	137.67	9480	1.60						38
	2.3 - 20	350	128.97	9610	1.70						54
	2.6 - 23	310	113.94	9820	1.90						
	2.8 - 25	290	105.83	9930	2.1						



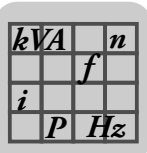
R..DR..J..MM..

R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	2.0 - 18	405	147.92	7280	1.10	R RF RM	57 57 57	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	28 32 44
	2.3 - 20	350	128.77	7470	1.25						
	2.5 - 22	330	120.63	7400	1.35						
	2.8 - 24	290	106.58	7190	1.55						
	3.0 - 26	270	98.99	7060	1.65						
	3.3 - 29	245	89.71	6900	1.85						
	3.7 - 32	220	80.55	6710	2.0						
	2.1 - 19	380	139.99	1720	0.80	R RF	47 47	DRE DRE	71MJ4 71MJ4	MM07 MM07	23 23
	2.5 - 21	330	121.87	4880	0.90						
	2.6 - 23	310	114.17	5350	0.95						
	3.0 - 26	275	100.86	5500	1.10						
	3.2 - 28	255	93.68	5410	1.15						
	3.5 - 31	230	84.90	5290	1.30						
	3.9 - 34	205	76.23	5160	1.45						
	4.4 - 38	188	68.54	5030	1.60						
	4.7 - 41	176	64.21	4950	1.70						
	3.3 - 29	245	90.77	2400	0.80	R RF	37 37	DRE DRE	71MJ4 71MJ4	MM07 MM07	18 19
	3.6 - 31	230	84.61	4270	0.85						
	4.1 - 35	200	73.96	4720	1.00						
	4.3 - 38	190	69.33	4730	1.05						
	4.9 - 43	168	61.18	4610	1.20						
	5.4 - 47	153	55.76	4520	1.30						
	6.2 - 54	132	48.08	4360	1.50						
	6.7 - 58	123	44.81	4290	1.65						
	7.7 - 67	107	39.17	4150	1.85						
	8.2 - 71	101	36.72	4080	2.00						
	5.4 - 47	153	55.87	2890	0.85	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM07 MM07	12 12
	6.2 - 54	132	48.17	2820	1.00						
	6.7 - 58	123	44.90	2780	1.05						
	7.6 - 66	108	39.25	2710	1.20						
	8.2 - 71	101	36.79	2670	1.30						
	9.2 - 80	89	32.47	2600	1.45						
	10 - 91	79	28.78	2530	1.65						
	12 - 107	67	24.47	2440	1.95						
	13 - 117	61	22.32	2380	2.1	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM07 MM07	12 12
	16 - 135	53	19.35	2300	2.4						
	17 - 144	50	18.08	2260	2.6						
	19 - 167	43	15.63	2170	3.0						
	7.8 - 68	106	38.61	86	0.80	R RF	17 17	DRE DRE	71MJ4 71MJ4	MM07 MM07	11 11
	8.3 - 72	99	36.20	730	0.85						
	9.4 - 82	88	31.94	1390	0.95						
	11 - 92	78	28.32	1380	1.10						
	12 - 108	66	24.07	1360	1.30						
	15 - 132	54	19.71	1330	1.55	R RF	17 17	DRE DRE	71MJ4 71MJ4	MM07 MM07	11 11
	18 - 154	47	16.99	1300	1.80						
	19 - 165	43	15.84	1280	1.95						
	22 - 189	38	13.84	1250	2.2						
	23 - 201	36	12.98	1240	2.4						
	26 - 228	31	11.45	1210	2.6						
	30 - 257	28	10.15	1180	2.8						
	35 - 302	24	8.63	1140	3.0						
	40 - 346	21	7.55	1060	2.7						
	43 - 371	19	7.04	1050	2.8						
	49 - 424	17	6.15	1020	3.2						
	52 - 453	16	5.76	1000	3.4						
	59 - 513	14	5.09	970	3.6						
	67 - 579	12	4.51	940	3.9						
	78 - 681	11	3.83	900	4.3						



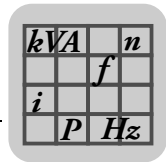
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	58 - 504	14	5.18	3200	5.3	RX	67	DRE	71MJ4	MM07	21
	66 - 577	12	4.53	3070	6.6						25
	70 - 607	12	4.30*	3020	6.8						25
	80 - 692	10	3.77	2900	8.4						25
	69 - 600	12	4.35	2450	5.7	RX	57	DRE	71MJ4	MM07	19
	79 - 689	10	3.79	2350	6.6						21
	85 - 735	9.7	3.55*	2300	7.1						21
	96 - 832	8.6	3.14	2210	7.6						21
	103 - 896	8.0	2.91	2160	8.4						21
	114 - 989	7.2	2.64*	2100	9.5						21
	127 - 1100	6.5	2.37	2020	11						21
	147 - 1280	5.6	2.04	1930	12						21
	156 - 1360	5.3	1.92*	1890	13						21
	182 - 1580	4.5	1.65	1800	15						21
	203 - 1770	4.0	1.48	1740	17						21
	230 - 2000	3.6	1.30	1670	18						21
1.1	1.2 - 11	990	246.54	19900	1.55	R	87	DRE	71MJ4	MM11	67
	1.4 - 12	870	216.54	20000	1.80						74
	1.5 - 13	820	205.71	20000	1.85						105
	1.6 - 14	730	181.77	20000	2.1						105
	1.9 - 17	625	155.34	20000	2.5						105
	2.1 - 18	570	142.41	20000	2.7						105
	1.8 - 16	670	166.59	11100	1.20	R	77	DRE	71MJ4	MM11	41
	2.1 - 18	585	145.67	11600	1.40						46
	2.2 - 19	555	138.39	11800	1.45						71
	2.5 - 22	485	121.42	12100	1.70						71
	2.9 - 25	410	102.99	12400	2.00						71
	3.2 - 28	370	92.97	12600	2.2						71
	3.7 - 32	325	81.80	12700	2.5						71
	1.9 - 16	635	158.14	7100	0.95	R	67	DRE	71MJ4	MM11	35
	2.2 - 19	550	137.67	8070	1.10						38
	2.3 - 20	515	128.97	8410	1.15						54
	2.6 - 23	455	113.94	8920	1.30						54
	2.8 - 25	425	105.83	9160	1.40						54
	3.1 - 27	385	95.91	9420	1.55						54
	3.5 - 30	345	86.11	9650	1.75	R	57	DRE	71MJ4	MM11	28
	4.0 - 35	295	74.17	9890	2.0						32
	2.3 - 20	515	128.77	6030	0.85						44
	2.5 - 22	485	120.63	6840	0.95						44
	2.8 - 24	425	106.58	6700	1.05						44
	3.0 - 26	395	98.99	6610	1.15						44
	3.3 - 29	360	89.71	6480	1.25	R	47	DRE	71MJ4	MM11	23
	3.7 - 32	320	80.55	6340	1.40						23
	4.3 - 38	275	69.23	6140	1.60						23
	4.6 - 40	260	64.85	6040	1.70						23
	5.2 - 46	230	57.29	5870	1.95						23
	5.6 - 49	210	53.22	5770	2.1						23
	6.2 - 54	194	48.23	5630	2.3	R	47	DRE	71MJ4	MM11	23
	6.9 - 60	174	43.30	5480	2.6						23
	8.0 - 70	150	37.30*	5270	3.0						23
	3.2 - 28	375	93.68	2250	0.80						23
	3.5 - 31	340	84.90	4480	0.90						23
	3.9 - 34	305	76.23	4810	1.00						23
	4.4 - 38	275	68.54	4710	1.10	R	47	DRE	71MJ4	MM11	23
	4.7 - 41	255	64.21	4650	1.15						23
	5.3 - 46	225	56.73	4540	1.30						23
											23



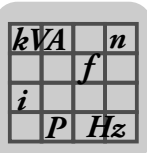
R..DR..J..MM..

R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.1	4.9 - 43	245	61.18	2820	0.80	R RF	37 37	DRE DRE	71MJ4 71MJ4	MM11 MM11	18 19
	5.4 - 47	220	55.76	3170	0.90						
	6.2 - 54	194	48.08	3590	1.05						
	6.7 - 58	180	44.81	3750	1.10						
	7.7 - 67	158	39.17	3910	1.25						
	8.2 - 71	148	36.72	3860	1.35						
	9.3 - 81	130	32.40	3760	1.55						
	10 - 91	116	28.73	3650	1.75						
	12 - 107	98	24.42	3510	2.0						
	7.6 - 66	158	39.25	2360	0.80	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM11 MM11	12 12
	8.2 - 71	148	36.79	2440	0.90						
	9.2 - 80	131	32.47	2400	1.00						
	10 - 91	116	28.78	2350	1.10						
	12 - 107	98	24.47	2280	1.30						
	13 - 117	90	22.32	2240	1.45	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM11 MM11	12 12
	16 - 135	78	19.35	2180	1.65						
	17 - 144	73	18.08	2140	1.80						
	19 - 167	63	15.63	2070	2.1						
	23 - 197	53	13.28*	1990	2.4						
	15 - 132	79	19.71	1150	1.05	R RF	17 17	DRE DRE	71MJ4 71MJ4	MM11 MM11	11 11
	18 - 154	68	16.99	1140	1.25						
	19 - 165	64	15.84	1140	1.35						
	22 - 189	56	13.84	1130	1.55						
	23 - 201	52	12.98	1120	1.65						
	26 - 228	46	11.45	1100	1.75						
	30 - 257	41	10.15	1080	1.90						
	35 - 302	35	8.63	1060	2.1						
	40 - 346	30	7.55	980	1.85						
	43 - 371	28	7.04	970	1.95						
	49 - 424	25	6.15	950	2.2						
	52 - 453	23	5.76	930	2.3						
	59 - 513	20	5.09	910	2.5						
	67 - 579	18	4.51	890	2.6						
	78 - 681	15	3.83	860	2.9						
	58 - 504	21	5.18	3160	3.6	RX RXF	67 67	DRE DRE	71MJ4 71MJ4	MM11 MM11	21 25
	66 - 577	18	4.53	3030	4.5						
	70 - 607	17	4.30*	2990	4.6						
	80 - 692	15	3.77	2870	5.7						
	94 - 816	13	3.20*	2720	7.8						
	104 - 903	12	2.89	2640	9.1						
	118 - 1025	10	2.54	2530	12						
	125 - 1090	9.7	2.40*	2480	13						
	147 - 1275	8.2	2.04	2360	16	RX RXF	57 57	DRE DRE	71MJ4 71MJ4	MM11 MM11	19 21
	162 - 1405	7.5	1.86	2290	17						
	186 - 1620	6.5	1.61	2180	18						
	69 - 600	18	4.35	2410	3.9						
	79 - 689	15	3.79	2310	4.5						
	85 - 735	14	3.55*	2270	4.8						
	96 - 832	13	3.14	2180	5.2						
	103 - 896	12	2.91	2130	5.7						
	114 - 989	11	2.64*	2070	6.5						
	127 - 1100	9.5	2.37	2000	7.2						
	147 - 1280	8.2	2.04	1910	8.4						
	156 - 1360	7.7	1.92*	1870	8.9						
	182 - 1580	6.6	1.65	1790	10						
	203 - 1770	5.9	1.48	1720	11						
	230 - 2000	5.2	1.30	1660	12						



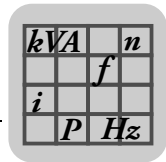
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	1.4 - 12	1180	216.54	19000	1.30	R RF RM	87 87 87	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM15 MM15 MM15	71
	1.5 - 13	1120	205.71	19300	1.35						78
	1.6 - 14	990	181.77	19800	1.55						105
	1.9 - 17	850	155.34	20000	1.80						
	2.1 - 18	780	142.41	20000	2.00						
	2.4 - 21	685	124.97	20000	2.3						
	2.5 - 22	645	118.43*	20000	2.4						
	2.9 - 25	565	103.65	20000	2.7						
	2.1 - 18	795	145.67	10100	1.05	R RF RM	77 77 77	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM15 MM15 MM15	43
	2.2 - 19	755	138.39	10400	1.10						49
	2.5 - 22	665	121.42	11100	1.25						74
	2.9 - 25	565	102.99	11800	1.45						
	3.2 - 28	510	92.97	12000	1.60						
	3.7 - 32	445	81.80	12300	1.85						
	3.9 - 34	420	77.24	12400	1.95						
	4.6 - 40	360	65.77	12600	2.3						
	2.2 - 19	755	137.67	0	0.80	R RF RM	67 67 67	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM15 MM15 MM15	37
	2.3 - 20	705	128.97	0	0.85						40
	2.6 - 23	625	113.94	7240	0.95						56
	2.8 - 25	580	105.83	7780	1.05						
	3.1 - 27	525	95.91	8340	1.15						
	3.5 - 30	470	86.11	8810	1.25						
	4.0 - 35	405	74.17	9290	1.45						
	4.3 - 37	380	69.75	9440	1.55						
	4.9 - 43	335	61.26	9710	1.80						
	5.3 - 46	310	56.89	9830	1.90						
	5.8 - 51	280	51.56	9960	2.1						
	3.0 - 26	540	98.99	5030	0.85	R RF RM	57 57 57	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM15 MM15 MM15	30
	3.3 - 29	490	89.71	6010	0.90						34
	3.7 - 32	440	80.55	5920	1.00						46
	4.3 - 38	375	69.23	5770	1.20						
	4.6 - 40	355	64.85	5700	1.25						
	5.2 - 46	310	57.29	5570	1.45						
	5.6 - 49	290	53.22	5490	1.55						
	6.2 - 54	260	48.23	5380	1.70						
	6.9 - 60	235	43.30	5250	1.90						
	8.0 - 70	200	37.30*	5070	2.2						
	8.6 - 74	192	35.07	5000	2.3						
	9.9 - 86	166	30.18	4820	2.7						
	11 - 97	148	26.97	4680	3.0						
	4.4 - 38	375	68.54	2310	0.80	R RF	47 47	DRE DRE	80SJ4 80SJ4	MM15 MM15	25
	4.7 - 41	350	64.21	3860	0.85						25
	5.3 - 46	310	56.73	4230	0.95						
	5.7 - 50	285	52.69	4180	1.05						
	6.3 - 55	260	47.75	4110	1.15						
	7.0 - 61	235	42.87	4030	1.25						
	8.1 - 71	200	36.93	3910	1.50						
	8.6 - 75	191	34.73	3860	1.55						
	10 - 87	164	29.88	3740	1.85						
	11 - 98	147	26.70	3640	2.0						
	13 - 111	129	23.59	3540	2.3						
	13 - 112	128	23.28	3520	2.4	R RF	47 47	DRE DRE	80SJ4 80SJ4	MM15 MM15	25
	14 - 120	120	21.81	3470	2.5						25
	16 - 135	106	19.27	3360	2.8						
	17 - 146	98	17.89	3300	3.0						



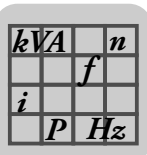
R..DR..J..MM..

R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	6.7 - 58	245	44.81	1900	0.80	R RF	37 37	DRE DRE	80SJ4 80SJ4	MM15 MM15	20
	7.7 - 67	210	39.17	2380	0.95						21
	8.2 - 71	200	36.72	2580	1.00						
	9.3 - 81	178	32.40	2910	1.10						
	10 - 91	158	28.73	3170	1.25						
	12 - 107	134	24.42	3340	1.50						
	16 - 135	106	19.31	3180	1.90	R RF	37 37	DRE DRE	80SJ4 80SJ4	MM15 MM15	20
	17 - 145	99	18.05	3130	2.0						21
	19 - 167	86	15.60	3020	2.3						
	23 - 197	73	13.25	2900	2.6						
	25 - 221	65	11.83	2820	2.8						
	30 - 258	55	10.11	2700	3.1						
	32 - 276	52	9.47	2660	3.2						
	10 - 91	158	28.78	1720	0.80	R RF	27 27	DRE DRE	80SJ4 80SJ4	MM15 MM15	14
	12 - 107	134	24.47	2030	0.95						14
	16 - 135	106	19.35	2040	1.20	R RF	27 27	DRE DRE	80SJ4 80SJ4	MM15 MM15	14
	17 - 144	99	18.08	2010	1.30						14
	19 - 167	86	15.63	1960	1.50						
	23 - 197	73	13.28*	1900	1.80						
	25 - 220	65	11.86	1850	2.00						
	30 - 258	56	10.13	1790	2.2						
	37 - 320	45	8.16	1660	2.6						
	39 - 342	42	7.63*	1640	2.7						
	46 - 396	36	6.59	1580	2.9						
	54 - 466	31	5.60*	1520	3.2						
	60 - 522	27	5.00*	1470	3.5						
	70 - 611	23	4.27	1410	3.7						
	75 - 652	22	4.00*	1390	3.9						
	89 - 775	18	3.37	1320	4.3						
	53 - 463	31	5.63	4630	3.6	RX RXF	77 77	DRE DRE	80SJ4 80SJ4	MM15 MM15	33
	56 - 488	29	5.35*	4560	3.5						35
	63 - 552	26	4.73	4390	4.7						
	74 - 646	22	4.04*	4170	6.4	RX RXF	67 67	DRE DRE	80SJ4 80SJ4	MM15 MM15	24
	66 - 577	25	4.53	2990	3.3						28
	70 - 607	24	4.30*	2950	3.4						
	80 - 692	21	3.77	2830	4.2						
	94 - 816	18	3.20*	2690	5.7						
	104 - 903	16	2.89	2610	6.7						
	118 - 1025	14	2.54	2510	8.5						
	125 - 1090	13	2.40*	2460	9.3						
	147 - 1275	11	2.04	2340	12						
	162 - 1405	10	1.86	2270	12						
	186 - 1620	8.8	1.61	2170	13						
	214 - 1865	7.7	1.40*	2070	14						
	79 - 689	21	3.79	2270	3.3	RX RXF	57 57	DRE DRE	80SJ4 80SJ4	MM15 MM15	21
	85 - 735	19	3.55*	2230	3.5						23
	96 - 832	17	3.14	2150	3.8						
	103 - 896	16	2.91	2100	4.2						
	114 - 989	14	2.64*	2040	4.8						
	127 - 1100	13	2.37	1980	5.3						
	147 - 1280	11	2.04	1890	6.2						
	156 - 1360	11	1.92*	1850	6.6						
	182 - 1580	9.1	1.65	1770	7.6						
	203 - 1770	8.1	1.48	1700	8.4						
	230 - 2000	7.2	1.30	1640	8.8						

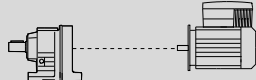
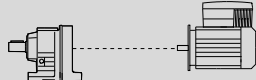
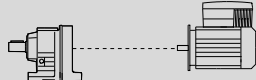


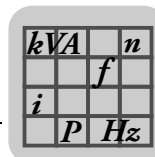
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
2.2	2.5 - 22	970	121.42	5700	0.85	R RF RM	77 77 77	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM22 MM22 MM22	46 51 76
	2.9 - 25	820	102.99	9830	1.00						
	3.2 - 28	745	92.97	10500	1.10						
	3.7 - 32	655	81.80	11200	1.25						
	3.9 - 34	620	77.24	11400	1.30						
	4.6 - 40	525	65.77	11900	1.55						
	5.2 - 45	460	57.68	12200	1.75						
	5.8 - 50	415	52.07	12000	1.95						
	3.5 - 30	690	86.11	0	0.85	R RF RM	67 67 67	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM22 MM22 MM22	40 43 59
	4.0 - 35	595	74.17	7590	1.00						
	4.3 - 37	560	69.75	7990	1.05						
	4.9 - 43	490	61.26	8640	1.20						
	5.8 - 51	415	51.56	9240	1.45						
	6.5 - 56	370	46.29	9280	1.60						
	7.5 - 65	320	39.88*	8940	1.80						
	8.0 - 70	300	37.50	8800	1.90						
	5.2 - 46	460	57.29	5050	1.00	R RF RM	57 57 57	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM22 MM22 MM22	33 37 49
	6.2 - 54	385	48.23	4930	1.15						
	6.9 - 60	345	43.30	4850	1.30						
	8.0 - 70	300	37.30*	4730	1.50						
	8.6 - 74	280	35.07	4680	1.60						
	9.9 - 86	240	30.18	4540	1.85						
	11 - 97	215	26.97	4430	2.1						
	14 - 119	177	21.93	4230	2.6	R RF RM	57 57 57	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM22 MM22 MM22	32 36 48
	16 - 140	150	18.60*	4070	3.0						
	18 - 155	135	16.79	3960	3.3						
	16 - 135	155	19.27	3180	1.90	R RF	47 47	DRE DRE	80MJ4 80MJ4	MM22 MM22	27 27
	17 - 146	144	17.89	3130	2.0						
	18 - 161	131	16.22	3060	2.1						
	21 - 179	117	14.56	2980	2.3						
	24 - 208	101	12.54	2880	2.5						
	25 - 221	95	11.79	2840	2.6						
	19 - 167	126	15.60	2670	1.60	R RF	37 37	DRE DRE	80MJ4 80MJ4	MM22 MM22	22 24
	23 - 197	107	13.25	2740	1.80						
	25 - 221	95	11.83	2670	1.90						
	30 - 258	81	10.11	2580	2.1						
	32 - 276	76	9.47	2540	2.2						
	38 - 327	64	7.97	2440	2.4						
	16 - 135	156	19.35	1040	0.85	R RF	27 27	DRE DRE	80MJ4 80MJ4	MM22 MM22	17 16
	17 - 144	146	18.08	1200	0.90						
	19 - 167	126	15.63	1480	1.05						
	23 - 197	107	13.28*	1730	1.20						
	25 - 220	95	11.86	1700	1.35						
	30 - 258	82	10.13	1660	1.50						
	37 - 320	66	8.16	1540	1.75						
	39 - 342	61	7.63*	1520	1.80						
	46 - 396	53	6.59	1480	2.0						
	54 - 466	45	5.60*	1430	2.2						
	60 - 522	40	5.00*	1400	2.4						
	70 - 611	34	4.27	1350	2.5						
	75 - 652	32	4.00*	1330	2.6						
	89 - 775	27	3.37	1270	2.9						
	63 - 552	38	4.73	4320	3.2	RX RXF	77 77	DRE DRE	80MJ4 80MJ4	MM22 MM22	36 38
	74 - 646	33	4.04*	4120	4.4						
	81 - 705	30	3.70	4010	5.1						
	92 - 803	26	3.25*	3850	7.0						



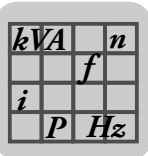
R..DR..J..MM..

R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]	
2.2	80 - 692	30	3.77	2770	2.9		RX	67	DRE	80MJ4	MM22	26
	94 - 816	26	3.20*	2640	3.9							
	104 - 903	23	2.89	2560	4.6							
	118 - 1025	20	2.54	2460	5.8							
	125 - 1090	19	2.40*	2420	6.4							
	147 - 1275	16	2.04	2300	8.2							
	162 - 1405	15	1.86	2240	8.4							
	186 - 1620	13	1.61	2140	8.8							
	214 - 1865	11	1.40*	2050	9.2							
	96 - 832	25	3.14	2090	2.6							
	114 - 989	21	2.64*	1990	3.2							
	127 - 1100	19	2.37	1930	3.6							
	147 - 1280	16	2.04	1850	4.2							
	156 - 1360	15	1.92*	1810	4.5							
182 - 1580	13	1.65	1730	5.2								
203 - 1770	12	1.48	1670	5.7								
230 - 2000	10	1.30	1610	6.0								
3.0	1.9 - 17	1700	155.34	15700	0.90		R	87	DRE	90MJ4	MM30	76
	2.1 - 18	1560	142.41	16800	1.00							
	2.4 - 21	1370	124.97	18100	1.15							
	2.5 - 22	1290	118.43*	18500	1.20							
	2.9 - 25	1130	103.65	19300	1.35							
	3.2 - 28	1020	93.38	19700	1.50							
	3.7 - 32	890	81.92	19600	1.70							
	4.1 - 36	795	72.57	19000	1.95							
	4.7 - 41	695	63.68*	18400	2.2							
	3.2 - 28	1020	92.97	0	0.80							
	3.7 - 32	890	81.80	9130	0.90							
	3.9 - 34	840	77.24	9650	0.95							
	4.6 - 40	720	65.77	10700	1.15							
	5.2 - 45	630	57.68	11400	1.30							
	5.8 - 50	570	52.07	11600	1.45							
	6.6 - 57	500	45.81	11200	1.65							
	6.9 - 60	470	43.26	11100	1.75							
	8.1 - 71	400	36.83	10600	2.0							
	9.0 - 78	365	33.47	10400	2.2							
	4.9 - 43	670	61.26	3450	0.90							
	5.8 - 51	565	51.56	7940	1.05							
	6.5 - 56	505	46.29	8510	1.20							
	7.5 - 65	435	39.88*	8560	1.35							
	8.0 - 70	410	37.50	8440	1.40							
	9.3 - 81	350	32.27	8150	1.50							
	10 - 91	315	28.83	7930	1.65							
	6.2 - 54	525	48.23	4430	0.85							
	6.9 - 60	475	43.30	4400	0.95							
	8.0 - 70	405	37.30*	4340	1.10							
	8.6 - 74	380	35.07	4310	1.15							
	9.9 - 86	330	30.18	4220	1.35							
	11 - 97	295	26.97	4150	1.50							
	14 - 119	240	21.93	4000	1.85							
	16 - 140	200	18.60*	3870	2.2							
	18 - 155	184	16.79	3790	2.4							
	16 - 135	210	19.27	2980	1.40							
	18 - 161	178	16.22	2890	1.55							
	21 - 179	160	14.56	2830	1.65							
	24 - 208	138	12.54	2740	1.80							
	25 - 221	129	11.79	2710	1.90							
	30 - 257	111	10.15	2620	2.1							



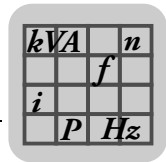
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	19 - 167	171	15.60	1380	1.15	R RF	37 37	DRE DRE	90MJ4 90MJ4	MM30 MM30	27 29
	23 - 197	145	13.25	1780	1.30						
	25 - 221	130	11.83	2000	1.40						
	30 - 258	111	10.11	2250	1.55						
	32 - 276	104	9.47	2330	1.60						
	38 - 327	88	7.97	2330	1.80						
	45 - 391	73	6.67	2200	1.95						
	53 - 461	62	5.67	2120	2.3						
	59 - 516	56	5.06	2070	2.4						
	23 - 197	146	13.28*	700	0.90	R RF	27 27	DRE DRE	90MJ4 90MJ4	MM30 MM30	21 21
	25 - 220	130	11.86	940	1.00						
	30 - 258	111	10.13	1220	1.10						
	46 - 396	72	6.59	1180	1.45						
	54 - 466	61	5.60*	1340	1.60						
	60 - 522	55	5.00*	1320	1.75						
	70 - 611	47	4.27	1280	1.85						
	75 - 652	44	4.00*	1260	1.95						
	89 - 775	37	3.37	1220	2.1						
	63 - 552	52	4.73	4250	2.4	RX RXF	77 77	DRE DRE	90MJ4 90MJ4	MM30 MM30	40 42
	74 - 646	44	4.04*	4050	3.2						
	81 - 705	41	3.70	3950	3.8						
	92 - 803	36	3.25*	3800	5.1	RX RXF	67 67	DRE DRE	90MJ4 90MJ4	MM30 MM30	30 34
	80 - 692	41	3.77	2700	2.1						
	94 - 816	35	3.20*	2580	2.8						
	104 - 903	32	2.89	2500	3.3						
	118 - 1025	28	2.54	2410	4.2						
	125 - 1090	26	2.40*	2370	4.7						
	147 - 1275	22	2.04	2260	6.0						
	162 - 1405	20	1.86	2200	6.2						
	186 - 1620	18	1.61	2100	6.5						
	214 - 1865	15	1.40*	2020	6.8						
	96 - 832	34	3.14	2020	1.90	RX RXF	57 57	DRE DRE	90MJ4 90MJ4	MM30 MM30	27 29
	114 - 989	29	2.64*	1930	2.4						
	127 - 1100	26	2.37	1880	2.6						
	147 - 1280	22	2.04	1800	3.1						
	156 - 1360	21	1.92*	1770	3.3						
	182 - 1580	18	1.65	1690	3.8						
	203 - 1770	16	1.48	1640	4.2						
	230 - 2000	14	1.30	1580	4.4						
4.0	1.4 - 12	3160	216.28	11700	0.95	R RF RM	97 97 97	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	120 135 190
	1.6 - 14	2720	186.30	22800	1.10						
	1.8 - 15	2480	170.02	24100	1.20						
	2.0 - 17	2200	150.78	25500	1.35						
	2.4 - 21	1850	126.75	26400	1.60						
	2.6 - 22	1700	116.48	25900	1.75						
	2.9 - 25	1510	103.44	25100	2.00						
	3.2 - 28	1350	92.48	24400	2.2						
	3.6 - 31	1210	83.15	23700	2.5						
	4.2 - 36	1050	72.17	22800	2.8						



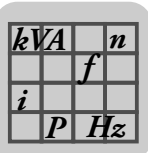
R..DR..J..MM..

R..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
4.0	2.1 - 18	2080	142.41	0	0.75	R RF RM	87 87 87	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	79 86 115
	2.4 - 21	1820	124.97	12500	0.85						
	2.5 - 22	1730	118.43*	13200	0.90						
	2.9 - 25	1510	103.65	14600	1.00						
	3.2 - 28	1360	93.38	15600	1.15						
	3.7 - 32	1190	81.92	16500	1.30						
	4.1 - 36	1060	72.57	17100	1.45						
	4.7 - 41	930	63.68*	17600	1.65						
	5.0 - 43	880	60.35*	17600	1.75						
	5.7 - 49	770	52.82	17000	2.0						
	6.3 - 55	695	47.58	16500	2.2						
	7.2 - 63	610	41.74	15900	2.5						
	8.1 - 71	535	36.84*	15400	2.9						
	4.6 - 40	960	65.77	7100	0.85	R RF RM	77 77 77	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	53 58 83
	5.2 - 45	840	57.68	9690	0.95						
	5.8 - 50	760	52.07	10400	1.10						
	6.6 - 57	670	45.81	10700	1.20						
	6.9 - 60	630	43.26	10600	1.30						
	8.1 - 71	535	36.83	10200	1.50						
	9.0 - 78	485	33.47	10000	1.65						
	10 - 90	420	29.00	9660	1.95						
	12 - 103	365	25.23	9330	2.1						
	5.8 - 51	750	51.56	0	0.80	R RF RM	67 67 67	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	46 50 65
	6.5 - 56	675	46.29	2240	0.90						
	7.5 - 65	580	39.88*	7750	1.00						
	8.0 - 70	545	37.50	8000	1.05						
	9.3 - 81	470	32.27	7770	1.15						
	10 - 91	420	28.83	7590	1.25	R RF RM	67 67 67	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	45 49 64
	13 - 111	340	23.44	7250	1.65						
	15 - 131	290	19.89	6970	2.1						
	17 - 145	260	17.95	6800	2.2						
	19 - 165	230	15.79	6580	2.4						
	20 - 175	215	14.91	6490	2.5						
	24 - 206	186	12.70	6220	2.8						
	8.0 - 70	545	37.30*	3040	0.80	R RF RM	57 57 57	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	40 43 55
	8.6 - 74	510	35.07	3390	0.90						
	9.9 - 86	440	30.18	3830	1.00						
	11 - 97	390	26.97	3800	1.15	R RF RM	57 57 57	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM40 MM40 MM40	39 42 54
	14 - 119	320	21.93	3710	1.40						
	16 - 140	270	18.60*	3630	1.65						
	18 - 155	245	16.79	3570	1.85						
	20 - 177	215	14.77*	3490	2.0						
	22 - 187	200	13.95*	3450	2.1						
	25 - 220	174	11.88	3340	2.3						
	28 - 242	158	10.79	3270	2.5						
	32 - 279	137	9.35	3170	2.7						
	11 - 98	390	26.70	164	0.75	R	47	DRE	90LJ4	MM40	35
	13 - 111	345	23.59	890	0.85	RF	47	DRE	90LJ4	MM40	35



P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
4.0	16 - 135	280	19.27	1830	1.05	R RF	47 47	DRE DRE	90LJ4 90LJ4	MM40 MM40	34 34
	18 - 161	235	16.22	2440	1.15						
	21 - 179	210	14.56	2640	1.25						
	24 - 208	184	12.54	2580	1.35						
	25 - 221	173	11.79	2550	1.40						
	30 - 257	149	10.15	2480	1.55						
	33 - 288	133	9.07	2430	1.65						
	37 - 326	117	8.01	2370	1.75						
	39 - 337	113	7.76*	2290	1.45						
	43 - 375	102	6.96	2240	1.55						
	50 - 435	88	6.00	2170	1.80	R RF	37 37	DRE DRE	90LJ4 90LJ4	MM40 MM40	30 31
	53 - 463	83	5.64*	2140	1.90						
	62 - 538	71	4.85	2070	2.1						
	19 - 167	225	15.60	0	0.90						
	23 - 197	194	13.25	410	1.00						
	25 - 221	173	11.83	780	1.05						
	30 - 258	148	10.11	1200	1.15						
	32 - 276	139	9.47	1350	1.20						
	38 - 327	117	7.97	1680	1.35						
	45 - 391	98	6.67	1460	1.50						
	53 - 461	83	5.67	1690	1.70	R RF	27 27	DRE DRE	90LJ4 90LJ4	MM40 MM40	24 24
	59 - 516	74	5.06	1820	1.80						
	69 - 604	63	4.32	1910	2.00						
	74 - 645	59	4.05	1880	2.1						
	88 - 766	50	3.41	1810	2.2						
	25 - 220	174	11.86	0	0.75						
	30 - 258	148	10.13	245	0.80						
	46 - 396	96	6.59	370	1.10						
	54 - 466	82	5.60*	665	1.20						
	60 - 522	73	5.00*	830	1.30						
	70 - 611	62	4.27	1020	1.40	RX RXF	97 97	DRE DRE	90LJ4 90LJ4	MM40 MM40	83 91
	75 - 652	59	4.00*	1090	1.45						
	89 - 775	49	3.37	1150	1.60						
	36 - 317	120	8.23	8010	1.85						
	42 - 365	105	7.16*	7680	2.5						
	46 - 398	96	6.56	7480	3.1						
	46 - 404	94	6.45	5850	2.0						
	54 - 469	81	5.56*	5600	2.8						
	59 - 514	74	5.07	5450	3.4						
	67 - 580	66	4.50*	5260	4.4						
	63 - 552	69	4.73	4150	1.80	RX RXF	77 77	DRE DRE	90LJ4 90LJ4	MM40 MM40	43 45
	74 - 646	59	4.04*	3970	2.4						
	81 - 705	54	3.70	3880	2.8						
	92 - 803	48	3.25*	3730	3.8						
	97 - 847	45	3.08*	3670	4.3						
	80 - 692	55	3.77	2610	1.60						
	94 - 816	47	3.20*	2500	2.1						
	104 - 903	42	2.89	2430	2.5						
	118 - 1025	37	2.54	2350	3.2						
	125 - 1090	35	2.40*	2310	3.5						
	147 - 1275	30	2.04	2210	4.5	RX RXF	67 67	DRE DRE	90LJ4 90LJ4	MM40 MM40	33 37
4.0	96 - 832	46	3.14	1940	1.40						
	114 - 989	39	2.64*	1860	1.80						
	127 - 1100	35	2.37	1810	2.00						
	147 - 1280	30	2.04	1740	2.3						
	156 - 1360	28	1.92*	1710	2.5						
	182 - 1580	24	1.65	1640	2.8						
	203 - 1770	22	1.48	1590	3.2						
	230 - 2000	19	1.30	1540	3.3						

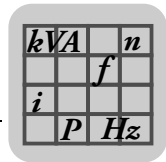


R..DR..J..MM..

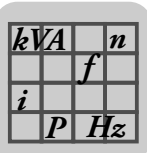
R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

4.2 R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	1.5 - 7.5	470	199.81	8830	1.25	R RF RM	67 67 67	DRE DRE DRE	71SJ4 71SJ4 71SJ4	MM03 MM03 MM03	32 35 51
	1.6 - 8.2	430	184.07	9110	1.40						
	1.9 - 9.5	370	158.14	9510	1.60						
	2.2 - 11	320	137.67	9770	1.85						
	2.3 - 12	300	128.97	9870	2.00						
	2.6 - 13	265	113.94	10000	2.2						
	2.8 - 14	245	105.83	10100	2.4						
	1.6 - 8.0	440	186.89	7150	1.00	R RF RM	57 57 57	DRE DRE DRE	71SJ4 71SJ4 71SJ4	MM03 MM03 MM03	26 29 41
	1.7 - 8.7	405	172.17	7290	1.10						
	2.0 - 10	345	147.92	7490	1.30						
	2.3 - 12	300	128.77	7620	1.50						
	2.5 - 12	280	120.63	7670	1.60						
	2.8 - 14	250	106.58	7750	1.80						
	3.0 - 15	230	98.99	7790	1.95						
	3.3 - 17	210	89.71	7830	2.1						
	3.7 - 19	190	80.55	7870	2.4						
	4.3 - 22	163	69.23	7910	2.8						
	2.5 - 12	285	121.87	5490	1.05	R RF	47 47	DRE DRE	71SJ4 71SJ4	MM03 MM03	20 21
	2.6 - 13	265	114.17	5580	1.10						
	3.0 - 15	235	100.86	5710	1.25						
	3.2 - 16	220	93.68	5780	1.35						
	3.5 - 18	200	84.90	5850	1.50						
	3.9 - 20	180	76.23	5920	1.65						
	4.4 - 22	161	68.54	5970	1.85						
	4.7 - 23	151	64.21	5990	2.00						
	5.3 - 26	134	56.73	5970	2.2						
	5.7 - 28	124	52.69	5850	2.4						
	3.3 - 17	210	90.77	4760	0.95	R RF	37 37	DRE DRE	71SJ4 71SJ4	MM03 MM03	17 18
	3.6 - 18	199	84.61	4950	1.00						
	4.1 - 20	174	73.96	5240	1.15						
	4.3 - 22	163	69.33	5350	1.20						
	4.9 - 25	144	61.18	5520	1.40						
	5.4 - 27	131	55.76	5620	1.50						
	6.2 - 31	113	48.08	5460	1.75						
	6.7 - 33	106	44.81	5360	1.90						
	7.7 - 38	92	39.17	5160	2.2						
	8.2 - 41	86	36.72	5070	2.3						
	9.3 - 46	76	32.40	4900	2.6						
	10 - 52	68	28.73	4730	3.0						
	12 - 61	58	24.42	4510	3.5						
	11 - 53	67	28.32	4710	3.0						
	12 - 58	61	26.03	4600	3.0						
	13 - 67	52	22.27	4390	3.8						
	5.4 - 27	132	55.87	3730	1.00	R RF	27 27	DRE DRE	71SJ4 71SJ4	MM03 MM03	11 11
	6.2 - 31	113	48.17	3610	1.15						
	6.7 - 33	106	44.90	3550	1.25						
	7.6 - 38	92	39.25	3440	1.40						
	8.2 - 41	87	36.79	3380	1.50						
	9.2 - 46	76	32.47	3280	1.70						
	10 - 52	68	28.78	3180	1.90						
	12 - 61	58	24.47	3040	2.3						
	11 - 53	67	28.37	3170	1.95	R RF	27 27	DRE DRE	71SJ4 71SJ4	MM03 MM03	11 11
	12 - 58	61	26.09	3100	2.1						
	13 - 67	53	22.32	2970	2.5						
	16 - 78	46	19.35	2850	2.8						



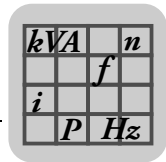
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	8.3 - 41	85	36.20	1750	1.00	R RF	17 17	DRE DRE	71SJ4 71SJ4	MM03 MM03	10 10.0
	9.4 - 47	75	31.94	1890	1.15						
	11 - 53	67	28.32	1850	1.25						
	12 - 62	57	24.07	1800	1.50						
	12 - 59	59	25.23	1820	1.45	R RF	17 17	DRE DRE	71SJ4 71SJ4	MM03 MM03	9.8 9.7
	13 - 65	55	23.15	1790	1.55						
	15 - 76	46	19.71	1730	1.85						
	18 - 88	40	16.99	1680	2.1						
	19 - 95	37	15.84	1650	2.3						
	22 - 108	33	13.84	1600	2.6						
	23 - 116	31	12.98	1580	2.8						
	26 - 131	27	11.45	1530	3.0						
	30 - 148	24	10.15	1480	3.2						
	16 - 82	43	18.31	990	1.15						
	18 - 90	39	16.73	980	1.25						
	21 - 106	33	14.12	950	1.50						
	25 - 124	28	12.06	930	1.75						
	27 - 134	26	11.18	910	1.90						
	31 - 155	23	9.67	890	2.2						
	33 - 166	21	9.01	880	2.4						
	38 - 191	18	7.85	850	2.6						8.8
	40 - 201	18	7.48	840	2.4						8.8
	44 - 220	16	6.83	830	2.7						
	52 - 260	14	5.76	790	3.0						
	61 - 305	12	4.92	760	3.2	RX RXF	07 07	DRE DRE	71SJ4 71SJ4	MM03 MM03	8.8 8.8
	66 - 329	11	4.57	745	3.4						
	76 - 380	9.3	3.95	720	3.7						
	82 - 408	8.7	3.68	705	3.8						
	94 - 468	7.6	3.21	680	4.1						
	49 - 247	14	6.07	4090	3.0						
	58 - 290	12	5.18	3890	6.2						19
	66 - 331	11	4.53	3720	7.7						23
	70 - 349	10	4.30*	3660	7.9						
	80 - 398	8.9	3.77	3510	9.8						
	55 - 273	13	5.50*	3210	3.0						
	59 - 296	12	5.07	3130	3.0						
	69 - 345	10	4.35	2980	6.6						
	79 - 396	8.9	3.79	2850	7.7						
	85 - 423	8.4	3.55*	2790	8.2						
	96 - 478	7.4	3.14	2680	8.8						16
	103 - 515	6.9	2.91	2620	9.8						18
	114 - 568	6.2	2.64*	2540	11						
	127 - 633	5.6	2.37	2450	12						
0.55	147 - 735	4.8	2.04	2340	14						
	156 - 781	4.5	1.92*	2290	15						
	182 - 908	3.9	1.65	2180	18						
	1.2 - 6.1	860	246.54	20000	1.80	R RF RM	87 87 87	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM05 MM05 MM05	67 74 105
	1.4 - 6.9	755	216.54	20000	2.0						
	1.5 - 7.3	720	205.71	20000	2.2						
	1.6 - 8.2	635	181.77	20000	2.4						
	1.9 - 9.7	540	155.34	20000	2.8						
	1.8 - 9.0	580	166.59	11700	1.40	R RF RM	77 77 77	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM05 MM05 MM05	41 46 71
	2.1 - 10	510	145.67	12000	1.60						
	2.2 - 11	480	138.39	12100	1.70						
	2.5 - 12	425	121.42	12400	1.95						
	2.9 - 15	360	102.99	12600	2.3						



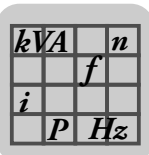
R..DR..J..MM..

R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	1.9 - 9.5	550	158.14	8070	1.10	R RF RM	67 67 67	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM05 MM05 MM05	35 38 54
	2.2 - 11	480	137.67	8740	1.25						
	2.3 - 12	450	128.97	8980	1.35						
	2.6 - 13	395	113.94	9340	1.50						
	2.8 - 14	370	105.83	9520	1.60						
	3.1 - 16	335	95.91	9710	1.80						
	3.5 - 17	300	86.11	9880	2.00						
	4.0 - 20	255	74.17	10100	2.3						
	4.3 - 22	240	69.75	10100	2.5						
	2.3 - 12	450	128.77	7100	1.00	R RF RM	57 57 57	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM05 MM05 MM05	28 32 44
	2.5 - 12	420	120.63	7220	1.05						
	2.8 - 14	370	106.58	7400	1.20						
	3.0 - 15	345	98.99	7490	1.30						
	3.3 - 17	310	89.71	7590	1.45						
	3.7 - 19	280	80.55	7680	1.60						
	4.3 - 22	240	69.23	7710	1.85						
	4.6 - 23	225	64.85	7580	2.00						
	5.2 - 26	200	57.29	7340	2.2						
	5.6 - 28	186	53.22	7190	2.4						
	3.2 - 16	325	93.68	5220	0.90	R RF	47 47	DRE DRE	71MJ4 71MJ4	MM05 MM05	23 23
	3.5 - 18	295	84.90	5430	1.00						
	3.9 - 20	265	76.23	5590	1.10						
	4.4 - 22	235	68.54	5700	1.25						
	4.7 - 23	220	64.21	5760	1.35						
	5.3 - 26	199	56.73	5730	1.50						
	5.7 - 28	184	52.69	5630	1.65						
	6.3 - 31	167	47.75	5490	1.80						
	7.0 - 35	150	42.87	5340	2.0	R RF	37 37	DRE DRE	71MJ4 71MJ4	MM05 MM05	18 19
	8.1 - 41	129	36.93	5120	2.3						
	8.6 - 43	122	34.73	5040	2.5						
	4.9 - 25	210	61.18	4760	0.95						
	5.4 - 27	195	55.76	5000	1.00						
	6.2 - 31	168	48.08	5200	1.20						
	6.7 - 33	157	44.81	5120	1.25						
	7.7 - 38	137	39.17	4950	1.45						
	8.2 - 41	129	36.72	4870	1.55	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM05 MM05	12 12
	9.3 - 46	113	32.40	4720	1.75						
	10 - 52	101	28.73	4580	2.00						
	12 - 61	85	24.42	4380	2.3						
	13 - 67	78	22.27	4270	2.6						
	16 - 78	68	19.31	4100	3.0						
	17 - 83	63	18.05	4030	3.2						
	7.6 - 38	137	39.25	3220	0.95	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM05 MM05	12 12
	8.2 - 41	129	36.79	3180	1.00						
	9.2 - 46	114	32.47	3100	1.15						
	10 - 52	101	28.78	3020	1.30						
	12 - 61	86	24.47	2900	1.50						
	13 - 67	78	22.32	2840	1.65						
	16 - 78	68	19.35	2740	1.90						
	17 - 83	63	18.08	2700	2.0						
	19 - 96	55	15.63	2600	2.4	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM05 MM05	12 12
	23 - 113	46	13.28*	2480	2.8						



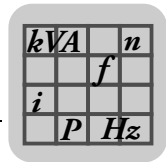
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	15 - 76	69	19.71	1570	1.25	R RF	17 17	DRE DRE	71MJ4 71MJ4	MM05 MM05	11 11
	18 - 88	59	16.99	1540	1.45						
	19 - 95	55	15.84	1520	1.55						
	22 - 108	48	13.84	1490	1.75						
	23 - 116	45	12.98	1470	1.85						
	26 - 131	40	11.45	1440	2.0						
	30 - 148	36	10.15	1400	2.2						
	35 - 174	30	8.63	1350	2.4						
	40 - 199	26	7.55	1270	2.1						
	43 - 213	25	7.04	1250	2.2						
	49 - 244	22	6.15	1210	2.5						
	52 - 260	20	5.76	1190	2.6						
	59 - 295	18	5.09	1160	2.9						
	67 - 333	16	4.51	1120	3.0						
	78 - 391	13	3.83	1080	3.4						
	58 - 290	18	5.18	3850	4.1	RX RXF	67 67	DRE DRE	71MJ4 71MJ4	MM05 MM05	21 25
	66 - 331	16	4.53	3690	5.2						
	70 - 349	15	4.30*	3630	5.3						
	80 - 398	13	3.77	3480	6.6						
	69 - 345	15	4.35	2940	4.5	RX RXF	57 57	DRE DRE	71MJ4 71MJ4	MM05 MM05	19 21
	79 - 396	13	3.79	2820	5.2						
	85 - 423	12	3.55*	2760	5.6						
	96 - 478	11	3.14	2660	5.9						
	103 - 515	10	2.91	2600	6.6						
	114 - 568	9.2	2.64*	2520	7.5						
	127 - 633	8.3	2.37	2430	8.3						
	147 - 735	7.2	2.04	2320	9.6						
	156 - 781	6.7	1.92*	2270	10						
	182 - 908	5.8	1.65	2160	12						
	203 - 1015	5.2	1.48	2090	13						
	230 - 1150	4.6	1.30	2010	14						
0.75	1.2 - 6.1	1170	246.54	19100	1.30	R RF RM	87 87 87	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	67 74 105
	1.4 - 6.9	1030	216.54	19700	1.50						
	1.5 - 7.3	980	205.71	19900	1.60						
	1.6 - 8.2	860	181.77	20000	1.80						
	1.9 - 9.7	740	155.34	20000	2.1						
	2.1 - 11	675	142.41	20000	2.3						
	2.4 - 12	595	124.97	20000	2.6						
	2.5 - 13	565	118.43*	20000	2.7	R RF RM	77 77 77	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	41 46 71
	1.8 - 9.0	795	166.59	10100	1.05						
	2.1 - 10	695	145.67	10900	1.20						
	2.2 - 11	660	138.39	11200	1.25						
	2.5 - 12	575	121.42	11700	1.40						
	2.9 - 15	490	102.99	12100	1.65						
	3.2 - 16	440	92.97	12300	1.85						
	3.7 - 18	390	81.80	12500	2.1						
	3.9 - 19	365	77.24	12600	2.2						
	4.6 - 23	310	65.77	12800	2.6						
	2.3 - 12	615	128.97	7370	0.95	R RF RM	67 67 67	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	35 38 54
	2.6 - 13	540	113.94	8170	1.10						
	2.8 - 14	505	105.83	8540	1.20						
	3.1 - 16	455	95.91	8930	1.30						
	3.5 - 17	410	86.11	9260	1.45						
	4.0 - 20	350	74.17	9610	1.70						
	4.3 - 22	330	69.75	9720	1.80						
	4.9 - 24	290	61.26	9920	2.0						
	5.3 - 26	270	56.89	10000	2.2						



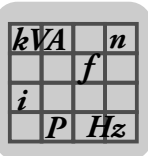
R..DR..J..MM..

R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	3.0 - 15	470	98.99	7000	0.95	R RF RM	57 57 57	DRE DRE DRE	71MJ4 71MJ4 71MJ4	MM07 MM07 MM07	28 32 44
	3.3 - 17	425	89.71	7200	1.05						
	3.7 - 19	380	80.55	7360	1.15						
	4.3 - 22	330	69.23	7400	1.35						
	4.6 - 23	305	64.85	7290	1.45						
	5.2 - 26	270	57.29	7080	1.65						
	5.6 - 28	250	53.22	6950	1.75						
	6.2 - 31	230	48.23	6780	1.95						
	6.9 - 35	205	43.30	6600	2.2						
	8.0 - 40	178	37.30*	6340	2.5						
	8.6 - 43	167	35.07	6240	2.7						
	9.9 - 50	144	30.18	5990	3.1						
	4.4 - 22	325	68.54	5260	0.90	R RF	47 47	DRE DRE	71MJ4 71MJ4	MM07 MM07	23 23
	4.7 - 23	305	64.21	5380	1.00						
	5.3 - 26	270	56.73	5470	1.10						
	5.7 - 28	250	52.69	5380	1.20						
	6.3 - 31	225	47.75	5270	1.30						
	7.0 - 35	200	42.87	5140	1.45						
	8.1 - 41	176	36.93	4950	1.70						
	8.6 - 43	166	34.73	4880	1.80						
	10 - 50	143	29.88	4700	2.1						
	11 - 56	127	26.70	4560	2.4						
	13 - 64	113	23.59	4410	2.7						
	11 - 56	128	26.74	4560	2.4	R RF	47 47	DRE DRE	71MJ4 71MJ4	MM07 MM07	22 22
	13 - 64	111	23.28	4390	2.7						
	14 - 69	104	21.81	4320	2.9						
	16 - 78	92	19.27	4170	3.2						
	17 - 84	85	17.89	4080	3.4	R RF	37 37	DRE DRE	71MJ4 71MJ4	MM07 MM07	18 19
	8.2 - 41	175	36.72	4650	1.15						
	9.3 - 46	155	32.40	4530	1.30						
	10 - 52	137	28.73	4400	1.45						
	12 - 61	117	24.42	4230	1.70	R RF	37 37	DRE DRE	71MJ4 71MJ4	MM07 MM07	18 19
	13 - 67	106	22.27	4140	1.90						
	16 - 78	92	19.31	3990	2.2						
	17 - 83	86	18.05	3920	2.3						
	19 - 96	74	15.60	3770	2.7						
	23 - 113	63	13.25	3600	3.0						
	25 - 127	56	11.83	3490	3.2	R RF	27 27	DRE DRE	71MJ4 71MJ4	MM07 MM07	12 12
	10 - 52	137	28.78	2840	0.95						
	12 - 61	117	24.47	2750	1.10						
	13 - 67	107	22.32	2700	1.20						
	16 - 78	92	19.35	2620	1.40						
	17 - 83	86	18.08	2580	1.50						
	19 - 96	75	15.63	2500	1.75						
	23 - 113	63	13.28*	2400	2.0						
	25 - 127	57	11.86	2340	2.3						
	30 - 148	48	10.13	2240	2.5						
	32 - 159	45	9.41	2160	2.7						
	37 - 184	39	8.16	2080	3.0						
	39 - 197	36	7.63*	2050	3.1						
	46 - 228	31	6.59	1970	3.4						
	54 - 268	27	5.60*	1880	3.7						
	60 - 300	24	5.00*	1820	4.0						
	70 - 351	20	4.27	1740	4.3						
	75 - 375	19	4.00*	1710	4.4						
	89 - 445	16	3.37	1630	4.9						



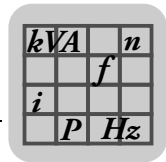
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.75	18 - 88	81	16.99	1380	1.05	R RF	17 17	DRE DRE	71MJ4 71MJ4	MM07 MM07	11 11
	19 - 95	76	15.84	1380	1.10						
	22 - 108	66	13.84	1360	1.30						
	23 - 116	62	12.98	1350	1.35						
	26 - 131	55	11.45	1330	1.50						
	30 - 148	48	10.15	1310	1.60						
	35 - 174	41	8.63	1270	1.75						
	40 - 199	36	7.55	1180	1.55						
	43 - 213	34	7.04	1170	1.65						
	49 - 244	29	6.15	1140	1.85						
	52 - 260	28	5.76	1130	1.95						
	59 - 295	24	5.09	1100	2.1						
	67 - 333	22	4.51	1070	2.2						
	78 - 391	18	3.83	1040	2.5						
	58 - 290	25	5.18	3810	3.0	RX RXF	67 67	DRE DRE	71MJ4 71MJ4	MM07 MM07	21 25
	66 - 331	22	4.53	3650	3.8						
	70 - 349	21	4.30*	3590	3.9						
	69 - 345	21	4.35	2900	3.3	RX RXF	57 57	DRE DRE	71MJ4 71MJ4	MM07 MM07	19 21
	79 - 396	18	3.79	2780	3.8						
	85 - 423	17	3.55*	2730	4.1						
	96 - 478	15	3.14	2630	4.3						
	103 - 515	14	2.91	2570	4.8						
	114 - 568	13	2.64*	2490	5.5						
	127 - 633	11	2.37	2410	6.1						
	147 - 735	9.8	2.04	2300	7.1						
	156 - 781	9.2	1.92*	2250	7.5						
	182 - 908	7.9	1.65	2150	8.8						
	203 - 1015	7.0	1.48	2070	9.6						
	230 - 1150	6.2	1.30	1990	10						
1.1	1.4 - 6.9	1510	216.54	17200	1.00	R RF RM	87 87 87	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM11 MM11 MM11	71 78 105
	1.5 - 7.3	1440	205.71	17600	1.10						
	1.6 - 8.2	1270	181.77	18600	1.20						
	1.9 - 9.7	1080	155.34	19500	1.40						
	2.1 - 11	990	142.41	19800	1.55						
	2.4 - 12	870	124.97	20000	1.75						
	2.5 - 13	820	118.43*	20000	1.85						
	2.9 - 14	725	103.65	20000	2.1						
	3.2 - 16	650	93.38	20000	2.4	R RF RM	77 77 77	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM11 MM11 MM11	43 49 74
	2.9 - 15	720	102.99	10700	1.15						
	3.2 - 16	650	92.97	11200	1.25						
	3.7 - 18	570	81.80	11700	1.45						
	3.9 - 19	540	77.24	11900	1.50						
	4.6 - 23	460	65.77	12300	1.80						
	5.2 - 26	400	57.68	12500	2.0						
	5.8 - 29	360	52.07	12600	2.2						
	6.6 - 33	320	45.81	12700	2.6	R RF RM	67 67 67	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM11 MM11 MM11	37 40 56
	6.9 - 35	300	43.26	12800	2.7						
	3.5 - 17	600	86.11	7520	1.00						
	4.0 - 20	515	74.17	8410	1.15						
	4.3 - 22	485	69.75	8680	1.25						
	4.9 - 24	425	61.26	9140	1.40						
	5.3 - 26	395	56.89	9350	1.50						
	5.8 - 29	360	51.56	9570	1.65						
	6.5 - 32	320	46.29	9770	1.85						
	7.5 - 38	275	39.88*	9970	2.1						
	8.0 - 40	260	37.50	10000	2.2						



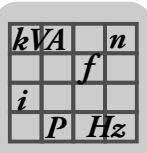
R..DR..J..MM..

R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	4.3 - 22	480	69.23	6840	0.95	R RF RM	57 57 57	DRE DRE DRE	80SJ4 80SJ4 80SJ4	MM11 MM11 MM11	30 34 46
	4.6 - 23	450	64.85	6770	1.00						
	5.2 - 26	400	57.29	6620	1.10						
	5.6 - 28	370	53.22	6520	1.20						
	6.2 - 31	335	48.23	6400	1.35						
	6.9 - 35	300	43.30	6250	1.50						
	8.0 - 40	260	37.30*	6050	1.70						
	8.6 - 43	245	35.07	5960	1.85						
	9.9 - 50	210	30.18	5750	2.1						
	11 - 56	189	26.97	5590	2.4						
	6.3 - 31	330	47.75	4880	0.90	R RF	47 47	DRE DRE	80SJ4 80SJ4	MM11 MM11	25 25
	7.0 - 35	300	42.87	4790	1.00						
	8.1 - 41	255	36.93	4650	1.15						
	8.6 - 43	240	34.73	4600	1.25						
	10 - 50	205	29.88	4450	1.45						
	11 - 56	187	26.70	4340	1.60						
	13 - 64	165	23.59	4220	1.80						
	13 - 64	163	23.28	4200	1.85	R RF	47 47	DRE DRE	80SJ4 80SJ4	MM11 MM11	25 25
	14 - 69	153	21.81	4140	1.95						
	16 - 78	135	19.27	4010	2.2						
	17 - 84	125	17.89	3940	2.3						
	18 - 92	114	16.22	3840	2.4						
	21 - 103	102	14.56	3730	2.6						
	24 - 120	88	12.54	3580	2.8						
	10 - 52	200	28.73	3490	1.00						
	12 - 61	171	24.42	3860	1.15						
	16 - 78	135	19.31	3780	1.50	R RF	37 37	DRE DRE	80SJ4 80SJ4	MM11 MM11	20 21
	17 - 83	126	18.05	3730	1.60						
	19 - 96	109	15.60	3600	1.85						
	23 - 113	93	13.25	3460	2.0						
	25 - 127	83	11.83	3370	2.2						
	30 - 148	71	10.11	3230	2.4						
	32 - 158	66	9.47	3180	2.5						
	38 - 188	56	7.97	3030	2.8						
	45 - 225	47	6.67	2860	3.1						
	16 - 78	135	19.35	2410	0.95						
	17 - 83	127	18.08	2380	1.05	R RF	27 27	DRE DRE	80SJ4 80SJ4	MM11 MM11	14 14
	19 - 96	109	15.63	2330	1.20						
	23 - 113	93	13.28*	2260	1.40						
	25 - 127	83	11.86	2200	1.55						
	30 - 148	71	10.13	2130	1.70						
	37 - 184	57	8.16	1980	2.0						
	39 - 197	53	7.63*	1950	2.1						
	46 - 228	46	6.59	1880	2.3						
	54 - 268	39	5.60*	1810	2.5						
	60 - 300	35	5.00*	1760	2.7						
	70 - 351	30	4.27	1690	2.9						
	75 - 375	28	4.00*	1660	3.0						
	89 - 445	24	3.37	1580	3.4						
	53 - 266	39	5.63	5560	2.8						
	56 - 280	37	5.35*	5470	2.8						
	63 - 317	33	4.73	5260	3.7						
						RX RXF	77 77	DRE DRE	80SJ4 80SJ4	MM11 MM11	33 35



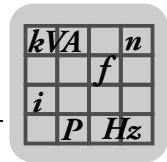
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	66 - 331	32	4.53	3590	2.6	RX	67	DRE	80SJ4	MM11	24
	70 - 349	30	4.30*	3530	2.7						
	80 - 398	26	3.77	3400	3.3						
	94 - 469	22	3.20*	3230	4.5						
	104 - 519	20	2.89	3130	5.2						
	118 - 590	18	2.54	3010	6.6						
	125 - 625	17	2.40*	2950	7.3						
	79 - 396	27	3.79	2720	2.6	RX RXF	57 57	DRE DRE	80SJ4 80SJ4	MM11 MM11	21 23
	85 - 423	25	3.55*	2670	2.8						
	96 - 478	22	3.14	2580	3.0						
	103 - 515	20	2.91	2520	3.3						
	114 - 568	18	2.64*	2450	3.7						
	127 - 633	17	2.37	2370	4.2						
	147 - 735	14	2.04	2260	4.8						
	156 - 781	13	1.92*	2220	5.1						
	182 - 908	12	1.65	2120	6.0						
	203 - 1015	10	1.48	2040	6.6						
	230 - 1150	9.1	1.30	1970	6.9						
1.5	1.2 - 5.9	2440	255.71	24400	1.25	R RF RM	97 97 97	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM15 MM15 MM15	115 130 180
	1.2 - 6.2	2300	241.25	25100	1.30						
	1.4 - 6.9	2060	216.28	26100	1.45						
	1.6 - 8.0	1770	186.30	27200	1.70						
	1.8 - 8.8	1620	170.02	27500	1.85						
	2.0 - 10.0	1430	150.78	27700	2.1						
	2.4 - 12	1210	126.75	28000	2.5	R RF RM	87 87 87	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM15 MM15 MM15	73 80 110
	2.6 - 13	1110	116.48	28100	2.7						
	1.9 - 9.7	1480	155.34	17400	1.05						
	2.1 - 11	1350	142.41	18100	1.15						
	2.4 - 12	1190	124.97	19000	1.30						
	2.5 - 13	1130	118.43*	19300	1.35						
	2.9 - 14	980	103.65	19900	1.55						
	3.2 - 16	890	93.38	20000	1.75						
	3.7 - 18	780	81.92	20000	2.00						
	4.1 - 21	690	72.57	20000	2.2						
	4.7 - 24	605	63.68*	20000	2.6	R RF RM	77 77 77	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM15 MM15 MM15	46 51 76
	5.0 - 25	575	60.35*	20000	2.7						
	3.7 - 18	780	81.80	10300	1.05						
	3.9 - 19	735	77.24	10600	1.10						
	4.6 - 23	625	65.77	11400	1.30						
	5.2 - 26	550	57.68	11800	1.50						
	5.8 - 29	495	52.07	12100	1.65						
	6.6 - 33	435	45.81	12300	1.85						
	6.9 - 35	410	43.26	12400	2.00						
	8.1 - 41	350	36.83	12700	2.3						
	9.0 - 45	315	33.47	12700	2.6	R RF RM	67 67 67	DRE DRE DRE	80MJ4 80MJ4 80MJ4	MM15 MM15 MM15	40 43 59
	10 - 52	275	29.00	12300	3.0						
	12 - 59	240	25.23	11800	3.2						
	13 - 64	220	23.37	11600	3.7						
	14 - 70	200	21.43	11300	4.0						
	4.9 - 24	580	61.26	7740	1.05						
	5.3 - 26	540	56.89	8180	1.10						
	5.8 - 29	490	51.56	8650	1.20						
	6.5 - 32	440	46.29	9050	1.35						
	7.5 - 38	380	39.88*	9460	1.50						
	8.0 - 40	355	37.50	9590	1.60						
	9.3 - 46	305	32.27	9850	1.75						
	10 - 52	275	28.83	9890	1.90						



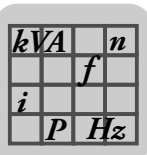
R..DR..J..MM..

R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	11 - 53	265	28.13	9820	2.0	R	67	DRE	80MJ4	MM15	39
	11 - 56	255	26.72	9680	2.1	RF	67	DRE	80MJ4	MM15	42
	13 - 64	220	23.44	9340	2.5	RM	67	DRE	80MJ4	MM15	58
	5.6 - 28	505	53.22	6040	0.90						
	6.2 - 31	460	48.23	5960	1.00						
	6.9 - 35	410	43.30	5860	1.10	R	57	DRE	80MJ4	MM15	33
	8.0 - 40	355	37.30*	5710	1.25	RF	57	DRE	80MJ4	MM15	37
	8.6 - 43	330	35.07	5640	1.35	RM	57	DRE	80MJ4	MM15	49
	9.9 - 50	285	30.18	5470	1.55						
	11 - 56	255	26.97	5340	1.75						
	11 - 57	250	26.31	5320	1.80						
	12 - 60	235	24.99*	5260	1.90	R	57	DRE	80MJ4	MM15	32
	14 - 68	205	21.93	5100	2.2	RF	57	DRE	80MJ4	MM15	36
	16 - 81	178	18.60*	4900	2.5	RM	57	DRE	80MJ4	MM15	48
	18 - 89	160	16.79	4780	2.8						
	20 - 102	141	14.77*	4620	3.1						
	10 - 50	285	29.88	4180	1.05	R	47	DRE	80MJ4	MM15	28
	11 - 56	250	26.70	4090	1.20	RF	47	DRE	80MJ4	MM15	28
	13 - 64	225	23.59	4000	1.35						
	13 - 64	220	23.28	3990	1.35						
	14 - 69	205	21.81	3940	1.45						
	16 - 78	184	19.27	3840	1.60						
	17 - 84	171	17.89	3770	1.70						
	18 - 92	155	16.22	3690	1.80	R	47	DRE	80MJ4	MM15	27
	21 - 103	139	14.56	3600	1.90	RF	47	DRE	80MJ4	MM15	27
	24 - 120	120	12.54	3470	2.1						
	25 - 127	113	11.79	3420	2.2						
	30 - 148	97	10.15	3280	2.4						
	33 - 165	87	9.07	3190	2.5						
	16 - 78	184	19.31	2820	1.10						
	17 - 83	172	18.05	2990	1.15						
	19 - 96	149	15.60	3280	1.35						
	23 - 113	127	13.25	3300	1.50						
	25 - 127	113	11.83	3220	1.60	R	37	DRE	80MJ4	MM15	22
	30 - 148	97	10.11	3110	1.75	RF	37	DRE	80MJ4	MM15	24
	32 - 158	90	9.47	3060	1.85						
	38 - 188	76	7.97	2940	2.0						
	45 - 225	64	6.67	2780	2.3						
	53 - 265	54	5.67	2660	2.6						
	59 - 297	48	5.06	2580	2.8						
	23 - 113	127	13.28*	2090	1.05						
	25 - 127	113	11.86	2060	1.15						
	30 - 148	97	10.13	2000	1.25						
	37 - 184	78	8.16	1860	1.50						
	39 - 197	73	7.63*	1840	1.55	R	27	DRE	80MJ4	MM15	17
	46 - 228	63	6.59	1790	1.70	RF	27	DRE	80MJ4	MM15	16
	54 - 268	53	5.60*	1730	1.85						
	60 - 300	48	5.00*	1690	2.00						
	70 - 351	41	4.27	1630	2.1						
	75 - 375	38	4.00*	1600	2.2						
	89 - 445	32	3.37	1530	2.5						
	53 - 266	54	5.63	5480	2.0	RX	77	DRE	80MJ4	MM15	36
	56 - 280	51	5.35*	5390	2.0	RXF	77	DRE	80MJ4	MM15	38
	63 - 317	45	4.73	5200	2.7						



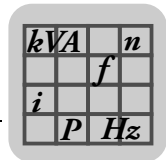
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	66 - 331	43	4.53	3510	1.90	RX RXF	67 67	DRE DRE	80MJ4 80MJ4	MM15 MM15	26
	70 - 349	41	4.30*	3460	1.95						30
	80 - 398	36	3.77	3330	2.4						
	94 - 469	31	3.20*	3180	3.3						
	104 - 519	28	2.89	3080	3.8						
	79 - 396	36	3.79	2650	1.90	RX RXF	57 57	DRE DRE	80MJ4 80MJ4	MM15 MM15	24
	85 - 423	34	3.55*	2610	2.0						26
	96 - 478	30	3.14	2520	2.2						
	103 - 515	28	2.91	2460	2.4						
	114 - 568	25	2.64*	2400	2.7						
	127 - 633	23	2.37	2320	3.0						
	147 - 735	20	2.04	2220	3.5						
	156 - 781	18	1.92*	2180	3.8						
	182 - 908	16	1.65	2080	4.4						
	203 - 1015	14	1.48	2020	4.8						
	230 - 1150	12	1.30	1940	5.1						
2.2	2.4 - 12	1750	124.97	15400	0.90	R RF RM	87 87 87	DRE DRE DRE	90MJ4 90MJ4 90MJ4	MM22 MM22 MM22	76
	2.5 - 13	1650	118.43*	16100	0.95						83
	2.9 - 14	1450	103.65	17600	1.05						115
	3.2 - 16	1300	93.38	18400	1.20						
	3.7 - 18	1140	81.92	19200	1.35						
	4.1 - 21	1010	72.57	19800	1.55						
	4.7 - 24	890	63.68*	20000	1.75						
	5.0 - 25	840	60.35*	20000	1.85						
	5.7 - 28	735	52.82	20000	2.1						
	6.3 - 32	665	47.58	20000	2.3						
	7.2 - 36	580	41.74	19500	2.6						
	4.6 - 23	920	65.77	8870	0.90	R RF RM	77 77 77	DRE DRE DRE	90MJ4 90MJ4 90MJ4	MM22 MM22 MM22	50
	5.2 - 26	800	57.68	10000	1.00						56
	5.8 - 29	725	52.07	10700	1.10						80
	6.6 - 33	640	45.81	11300	1.30						
	6.9 - 35	605	43.26	11500	1.35						
	8.1 - 41	515	36.83	12000	1.60						
	9.0 - 45	465	33.47	12200	1.75						
	10 - 52	405	29.00	11900	2.0						
	12 - 59	350	25.23	11500	2.2						
	13 - 64	325	23.37	11200	2.5						49
	14 - 70	300	21.43	11000	2.7						54
	16 - 80	260	18.80	10600	3.0						79
	17 - 84	245	17.82*	10400	3.1						
	7.5 - 38	555	39.88*	8020	1.05	R RF RM	67 67 67	DRE DRE DRE	90MJ4 90MJ4 90MJ4	MM22 MM22 MM22	44
	8.0 - 40	525	37.50	8350	1.10						47
	9.3 - 46	450	32.27	8970	1.20						63
	10 - 52	400	28.83	9310	1.30						
	13 - 64	325	23.44	9000	1.70						
	15 - 75	275	19.89	8620	2.2						
	17 - 84	250	17.95	8390	2.4						43
	19 - 95	220	15.79	8100	2.5						46
	20 - 101	205	14.91	7980	2.6						62
	24 - 118	178	12.70	7630	2.9						
	26 - 130	162	11.54	7420	3.1						
	8.6 - 43	490	35.07	5080	0.90	R RF RM	57 57 57	DRE DRE DRE	90MJ4 90MJ4 90MJ4	MM22 MM22 MM22	37
	9.9 - 50	420	30.18	4990	1.05						40
	11 - 56	375	26.97	4910	1.20						52



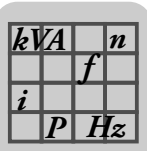
R..DR..J..MM..

R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
2.2	14 - 68	305	21.93	4750	1.45	R	57	DRE	90MJ4	MM22	36
	16 - 81	260	18.60*	4600	1.75						
	18 - 89	235	16.79	4510	1.90						
	20 - 102	205	14.77*	4390	2.1						
	22 - 108	195	13.95*	4330	2.2						
	25 - 126	166	11.88	4170	2.4						
	28 - 139	151	10.79	4080	2.6						
	32 - 160	131	9.35	3930	2.8						
	33 - 166	127	9.06	3920	3.0	RF	57	DRE	90MJ4	MM22	39
	16 - 78	265	19.27	3520	1.10						
	18 - 92	225	16.22	3430	1.20						
	21 - 103	200	14.56	3360	1.30						
	24 - 120	176	12.54	3260	1.40						
	25 - 127	165	11.79	3220	1.50						
	30 - 148	142	10.15	3120	1.60						
	33 - 165	127	9.07	3040	1.75						
	37 - 187	112	8.01	2950	1.85	R	47	DRE	90MJ4	MM22	31
	39 - 193	109	7.76*	2870	1.50						
	43 - 215	98	6.96	2800	1.65						
	50 - 250	84	6.00	2700	1.85						
	53 - 266	79	5.64*	2660	1.95						
	19 - 96	215	15.60	1310	0.90						
	23 - 113	186	13.25	1840	1.00						
	25 - 127	166	11.83	2140	1.10						
	30 - 148	142	10.11	2480	1.20						
	32 - 158	133	9.47	2590	1.25	RF	37	DRE	90MJ4	MM22	27
	38 - 188	112	7.97	2770	1.40						
	45 - 225	93	6.67	2550	1.55						
	53 - 265	79	5.67	2530	1.80						
	59 - 297	71	5.06	2470	1.90						
	69 - 347	61	4.32	2380	2.1						
	74 - 371	57	4.05	2340	2.2						
	88 - 440	48	3.41	2240	2.4						
	46 - 228	92	6.59	1240	1.15	R	27	DRE	90MJ4	MM22	21
	54 - 268	78	5.60*	1480	1.25						
	60 - 300	70	5.00*	1560	1.35						
	70 - 351	60	4.27	1520	1.45						
	75 - 375	56	4.00*	1500	1.50						
	89 - 445	47	3.37	1450	1.65						
	63 - 317	66	4.73	5090	1.85						
	74 - 371	57	4.04*	4860	2.5	RX	77	DRE	90MJ4	MM22	40
	81 - 405	52	3.70	4740	3.0						
	92 - 462	46	3.25*	4550	4.0						
	97 - 487	43	3.08*	4480	4.5						
	80 - 398	53	3.77	3230	1.65						
	94 - 469	45	3.20*	3080	2.2						
	104 - 519	40	2.89	3000	2.6						
	118 - 590	36	2.54	2890	3.3	RXF	67	DRE	90MJ4	MM22	34
	125 - 625	34	2.40*	2840	3.7						
	96 - 478	44	3.14	2410	1.50						
	114 - 568	37	2.64*	2310	1.85						
	127 - 633	33	2.37	2240	2.1						
	147 - 735	29	2.04	2150	2.4						
	156 - 781	27	1.92*	2120	2.6						
	182 - 908	23	1.65	2030	3.0						
	203 - 1015	21	1.48	1960	3.3	RXF	57	DRE	90MJ4	MM22	27
	230 - 1150	18	1.30	1890	3.4						



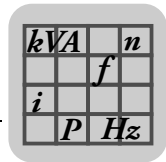
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	2.0 - 10.0	2870	150.78	21800	1.05						
	2.4 - 12	2420	126.75	24500	1.25						
	2.6 - 13	2220	116.48	25400	1.35						
	2.9 - 14	1970	103.44	26500	1.50						
	3.2 - 16	1760	92.48	27200	1.70	R	97	DRE	90LJ4	MM30	120
	3.6 - 18	1580	83.15	27500	1.90	RF	97	DRE	90LJ4	MM30	135
	4.2 - 21	1370	72.17	27300	2.2	RM	97	DRE	90LJ4	MM30	190
	4.6 - 23	1240	65.21	26500	2.4						
	5.0 - 25	1140	59.92	25900	2.6						
	5.6 - 28	1010	53.21	25100	3.0						
	6.3 - 32	900	47.58	24300	3.3						
	3.7 - 18	1560	81.92	16800	1.00						
	4.1 - 21	1380	72.57	18000	1.10						
	4.7 - 24	1210	63.68*	18900	1.25						
	5.0 - 25	1150	60.35*	19200	1.35	R	87	DRE	90LJ4	MM30	79
	5.7 - 28	1000	52.82	19800	1.55	RF	87	DRE	90LJ4	MM30	86
	6.3 - 32	900	47.58	19700	1.70	RM	87	DRE	90LJ4	MM30	115
	7.2 - 36	795	41.74	19000	1.95						
	8.1 - 41	700	36.84*	18400	2.2						
	9.2 - 46	620	32.66*	17800	2.5						
	11 - 54	530	27.88	17000	2.8						
	8.7 - 44	655	34.40*	18100	2.3	R	87	DRE	90LJ4	MM30	78
	9.6 - 48	595	31.40	17600	2.6	RF	87	DRE	90LJ4	MM30	85
	11 - 54	530	27.84*	17000	2.9	RM	87	DRE	90LJ4	MM30	115
	13 - 64	445	23.40	16200	3.5						
	6.6 - 33	870	45.81	9380	0.95						
	6.9 - 35	820	43.26	9860	1.00						
	8.1 - 41	700	36.83	10900	1.15	R	77	DRE	90LJ4	MM30	53
	9.0 - 45	635	33.47	11300	1.30	RF	77	DRE	90LJ4	MM30	58
	10 - 52	550	29.00	11500	1.50	RM	77	DRE	90LJ4	MM30	83
	12 - 59	480	25.23	11100	1.60						
	13 - 64	445	23.37	10900	1.85						
	14 - 70	405	21.43	10700	2.0						
	16 - 80	355	18.80	10300	2.2	R	77	DRE	90LJ4	MM30	51
	17 - 84	340	17.82*	10200	2.3	RF	77	DRE	90LJ4	MM30	57
	19 - 96	295	15.60	9800	2.5	RM	77	DRE	90LJ4	MM30	82
	21 - 107	265	14.05	9520	2.7						
	24 - 122	235	12.33	9170	2.9						
	9.3 - 46	615	32.27	7360	0.90	R	67	DRE	90LJ4	MM30	46
	10 - 52	550	28.83	8100	0.95	RF	67	DRE	90LJ4	MM30	50
						RM	67	DRE	90LJ4	MM30	65
	13 - 64	445	23.44	8600	1.25						
	15 - 75	375	19.89	8290	1.60						
	17 - 84	340	17.95	8090	1.70						
	19 - 95	300	15.79	7840	1.85	R	67	DRE	90LJ4	MM30	45
	20 - 101	280	14.91	7730	1.95	RF	67	DRE	90LJ4	MM30	49
	24 - 118	240	12.70	7420	2.1	RM	67	DRE	90LJ4	MM30	64
	26 - 130	220	11.54	7230	2.3						
	30 - 150	191	10.00	6960	2.5						
	34 - 172	166	8.70*	6690	2.6						



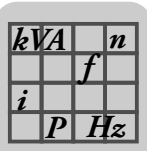
R..DR..J..MM..

R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	14 - 68	415	21.93	4350	1.05	R RF RM	57 57 57	DRE DRE DRE	90LJ4 90LJ4 90LJ4	MM30 MM30 MM30	39 42 54
	16 - 81	355	18.60*	4260	1.25						
	18 - 89	320	16.79	4200	1.40						
	20 - 102	280	14.77*	4120	1.55						
	22 - 108	265	13.95*	4080	1.60						
	25 - 126	225	11.88	3960	1.80						
	28 - 139	205	10.79	3880	1.90						
	32 - 160	179	9.35	3760	2.1						
	33 - 166	173	9.06	3750	2.2						
	38 - 188	152	7.97	3640	2.3						
	40 - 199	144	7.53	3600	2.4	R RF	47 47	DRE DRE	90LJ4 90LJ4	MM30 MM30	34 34
	47 - 234	122	6.41	3460	2.7						
	18 - 92	305	16.22	2340	0.90						
	21 - 103	275	14.56	2760	0.95						
	24 - 120	235	12.54	3030	1.05						
	25 - 127	225	11.79	3000	1.10						
	30 - 148	194	10.15	2930	1.20						
	33 - 165	173	9.07	2870	1.25						
	37 - 187	153	8.01	2800	1.35						
	39 - 193	148	7.76*	2700	1.10						
	43 - 215	133	6.96	2650	1.20	R RF	37 37	DRE DRE	90LJ4 90LJ4	MM30 MM30	30 31
	50 - 250	115	6.00	2570	1.35						
	53 - 266	108	5.64*	2540	1.45						
	62 - 309	93	4.85	2460	1.60						
	69 - 346	83	4.34	2390	1.75						
	78 - 391	73	3.83	2320	1.95						
	30 - 148	193	10.11	1020	0.90						
	32 - 158	181	9.47	1230	0.90						
	38 - 188	152	7.97	1680	1.00						
	45 - 225	127	6.67	1420	1.15						
	53 - 265	108	5.67	1760	1.30	RX RXF	87 87	DRE DRE	90LJ4 90LJ4	MM30 MM30	59 64
	59 - 297	97	5.06	1940	1.40						
	69 - 347	83	4.32	2150	1.55						
	74 - 371	77	4.05	2220	1.60						
	88 - 440	65	3.41	2150	1.70						
	54 - 268	107	5.60*	520	0.95						
	60 - 300	95	5.00*	750	1.00						
	70 - 351	82	4.27	1020	1.05						
	75 - 375	76	4.00*	1110	1.10						
	89 - 445	64	3.37	1310	1.25						
	46 - 232	123	6.45	6990	1.55	RX RXF	77 77	DRE DRE	90LJ4 90LJ4	MM30 MM30	43 45
	54 - 270	106	5.56*	6700	2.1						
	59 - 296	97	5.07	6520	2.6						
	67 - 333	86	4.50*	6300	3.4						
	79 - 397	72	3.78	5980	4.2						
	63 - 317	90	4.73	4960	1.35						
	74 - 371	77	4.04*	4740	1.85						
	81 - 405	71	3.70	4630	2.2						
	92 - 462	62	3.25*	4460	2.9						
	97 - 487	59	3.08*	4390	3.3						
	111 - 556	51	2.70	4220	4.2	RX RXF	67 67	DRE DRE	90LJ4 90LJ4	MM30 MM30	33 37
	80 - 398	72	3.77	3100	1.20						
	94 - 469	61	3.20*	2980	1.65						
	104 - 519	55	2.89	2900	1.90						
	118 - 590	49	2.54	2800	2.4						
	125 - 625	46	2.40*	2760	2.7						
	147 - 734	39	2.04	2640	3.4						
	162 - 808	35	1.86	2570	3.6						
	96 - 478	60	3.14	2300	1.10						
	114 - 568	50	2.64*	2210	1.35						
3.0	127 - 633	45	2.37	2150	1.50	RX RXF	57 57	DRE DRE	90LJ4 90LJ4	MM30 MM30	30 32
	147 - 735	39	2.04	2070	1.75						
	156 - 781	37	1.92*	2040	1.90						
	182 - 908	32	1.65	1960	2.2						
	203 - 1015	28	1.48	1900	2.4						
	230 - 1150	25	1.30	1840	2.5						



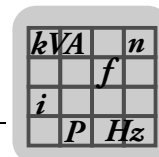
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
4.0	2.4 - 12	3220	126.75	6440	0.95	R RF RM	97 97 97	DRE DRE DRE	100MJ4 100MJ4 100MJ4	MM40 MM40 MM40	125 140 195
	2.6 - 13	2960	116.48	21000	1.00						
	2.9 - 14	2630	103.44	23300	1.15						
	3.2 - 16	2350	92.48	24800	1.25						
	3.6 - 18	2110	83.15	25900	1.40						
	4.2 - 21	1830	72.17	26300	1.65						
	4.6 - 23	1660	65.21	25700	1.80						
	5.0 - 25	1520	59.92	25200	1.95						
	5.6 - 28	1350	53.21	24400	2.2						
	6.3 - 32	1210	47.58	23700	2.5						
	7.0 - 35	1080	42.78	23000	2.8						
	8.1 - 40	940	37.13	22200	3.2						
	9.0 - 45	840	33.25	21500	3.4						
	11 - 54	700	27.58	20400	3.8						
	9.4 - 47	810	32.05	21300	3.1	R RF RM	97 97 97	DRE DRE DRE	100MJ4 100MJ4 100MJ4	MM40 MM40 MM40	120 140 190
	4.7 - 24	1620	63.68*	13900	0.95						
	5.0 - 25	1530	60.35*	14500	1.00						
	5.7 - 28	1340	52.82	15700	1.15						
	6.3 - 32	1210	47.58	16400	1.30						
	7.2 - 36	1060	41.74	17100	1.45						
	8.1 - 41	930	36.84*	17600	1.65						
	9.2 - 46	830	32.66*	17300	1.85						
	11 - 54	710	27.88	16600	2.1						
	8.7 - 44	870	34.40*	17500	1.70						
	9.6 - 48	795	31.40	17100	1.95						
	11 - 54	705	27.84*	16600	2.2						
	13 - 64	595	23.40	15800	2.6	R RF RM	87 87 87	DRE DRE DRE	100MJ4 100MJ4 100MJ4	MM40 MM40 MM40	82 89 120
	14 - 70	545	21.51	15500	2.7						
	16 - 79	485	19.10	15000	3.0						
	18 - 88	430	17.08*	14500	3.2						
	20 - 98	390	15.35	14100	3.4						
	8.1 - 41	930	36.83	8670	0.85						
	9.0 - 45	850	33.47	9610	0.95						
	10 - 52	735	29.00	10600	1.10						
	12 - 59	640	25.23	10600	1.20						
	13 - 64	595	23.37	10500	1.40	R RF RM	77 77 77	DRE DRE DRE	100MJ4 100MJ4 100MJ4	MM40 MM40 MM40	56 62 87
	14 - 70	545	21.43	10300	1.50						
	16 - 80	475	18.80	9950	1.65						
	17 - 84	450	17.82*	9820	1.70						
	19 - 96	395	15.60	9500	1.85						
	21 - 107	355	14.05	9250	2.0						
	24 - 122	310	12.33	8940	2.2						
	28 - 138	275	10.88	8650	2.4						
	31 - 156	245	9.64	8370	2.6						
	35 - 175	215	8.59	8190	2.9						
	39 - 194	197	7.74	7940	3.1						



R..DR..J..MM..

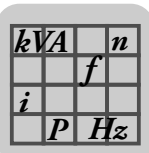
R..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
4.0	15 - 75	505	19.89	7870	1.20	R RF RM	67 67 67	DRE DRE DRE	100MJ4 100MJ4 100MJ4	MM40 MM40 MM40	50 53 69
	17 - 84	455	17.95	7720	1.30						
	19 - 95	400	15.79	7510	1.40						
	20 - 101	375	14.91	7420	1.45						
	24 - 118	320	12.70	7150	1.60						
	26 - 130	290	11.54	6990	1.70						
	30 - 150	250	10.00	6750	1.85						
	34 - 172	220	8.70*	6510	2.00						
	38 - 192	198	7.79	6350	1.90						
	41 - 204	187	7.36*	6250	1.95						
	48 - 239	160	6.27	5980	2.1						
	53 - 263	145	5.70	5820	2.1						
	61 - 304	126	4.93	5590	2.3						
	70 - 349	109	4.29	5370	2.5						
	16 - 81	470	18.60*	3790	0.95	R RF RM	57 57 57	DRE DRE DRE	100MJ4 100MJ4 100MJ4	MM40 MM40 MM40	43 47 59
	18 - 89	425	16.79	3820	1.05						
	20 - 102	375	14.77*	3780	1.15						
	22 - 108	355	13.95*	3760	1.20						
	25 - 126	300	11.88	3680	1.35						
	28 - 139	270	10.79	3630	1.40						
	32 - 160	235	9.35	3550	1.55						
	33 - 166	230	9.06	3550	1.65						
	38 - 188	200	7.97	3470	1.75						
	40 - 199	192	7.53	3430	1.85						
	47 - 234	163	6.41	3310	2.0						
	52 - 258	148	5.82	3240	2.2						
	59 - 297	128	5.05	3140	2.4						
	68 - 342	112	4.39	3030	2.5						
	30 - 148	255	10.15	2160	0.90	R RF	47 47	DRE DRE	100MJ4 100MJ4	MM40 MM40	39 39
	33 - 165	230	9.07	2520	0.95						
	37 - 187	200	8.01	2620	1.00						
	43 - 215	177	6.96	2460	0.90						
	50 - 250	153	6.00	2410	1.00						
	53 - 266	144	5.64*	2390	1.10						
	62 - 309	124	4.85	2320	1.20						
	69 - 346	110	4.34	2280	1.30						
	78 - 391	98	3.83	2220	1.50						
	42 - 210	182	7.16*	9020	1.45	RX RXF	97 97	DRE DRE	100MJ4 100MJ4	MM40 MM40	87 96
	46 - 229	167	6.56	8800	1.80						
	52 - 259	147	5.79	8490	2.8						
	61 - 305	125	4.91	8090	3.2	RX RXF	87 87	DRE DRE	100MJ4 100MJ4	MM40 MM40	64 69
	54 - 270	142	5.56*	6540	1.60						
	59 - 296	129	5.07	6370	1.95						
	67 - 333	115	4.50*	6160	2.5						
	79 - 397	96	3.78	5870	3.2						
	86 - 432	89	3.48	5720	4.6	RX RXF	77 77	DRE DRE	100MJ4 100MJ4	MM40 MM40	47 50
	74 - 371	103	4.04*	4600	1.40						
	81 - 405	94	3.70	4500	1.60						
	92 - 462	83	3.25*	4350	2.2						
	97 - 487	78	3.08*	4280	2.5						
	111 - 556	69	2.70	4130	3.1						
	124 - 618	62	2.43	4010	3.5	RX RXF	67 67	DRE DRE	100MJ4 100MJ4	MM40 MM40	37 41
	94 - 469	81	3.20*	2840	1.25						
	104 - 519	74	2.89	2780	1.45						
	118 - 590	65	2.54	2690	1.80						
	125 - 625	61	2.40*	2660	2.0						
	147 - 734	52	2.04	2550	2.6						
	162 - 808	47	1.86	2480	2.7						
	186 - 932	41	1.61	2390	2.8						
	214 - 1070	36	1.40*	2300	2.9						
	114 - 568	67	2.64*	1780	1.05						
	127 - 633	60	2.37	1880	1.15	RX RXF	57 57	DRE DRE	100MJ4 100MJ4	MM40 MM40	35 37
	147 - 735	52	2.04	1970	1.35						
	156 - 781	49	1.92*	1940	1.40						
	182 - 908	42	1.65	1870	1.65						
	203 - 1015	38	1.48	1820	1.80						
	230 - 1150	33	1.30	1770	1.90						



4.3 R..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

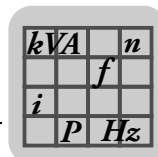
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	1.9 - 16	315	158.14	9800	1.90	R	67	DRU	71MJ4	MM05	32
	2.2 - 19	275	137.67	9980	2.2	RF	67	DRU	71MJ4	MM05	35
	2.3 - 20	255	128.97	10100	2.3	RM	67	DRU	71MJ4	MM05	51
	2.0 - 18	295	147.92	7640	1.50	R RF RM	57 57 57	DRU DRU DRU	71MJ4 71MJ4 71MJ4	MM05 MM05 MM05	26 29 41
	2.3 - 20	255	128.77	7730	1.75						
	2.5 - 22	240	120.63	7720	1.85						
	2.8 - 24	210	106.58	7470	2.1						
	3.0 - 26	199	98.99	7320	2.3	R RF	47 47	DRU DRU	71MJ4 71MJ4	MM05 MM05	20 21
	3.3 - 29	181	89.71	7130	2.5						
	2.1 - 19	280	139.99	5510	1.05						
	2.5 - 21	245	121.87	5680	1.20						
	2.6 - 23	225	114.17	5740	1.30						
	3.0 - 26	200	100.86	5760	1.50						
	3.2 - 28	189	93.68	5660	1.60						
	3.5 - 31	171	84.90	5520	1.75						
	3.9 - 34	153	76.23	5370	1.95	R RF	37 37	DRU DRU	71MJ4 71MJ4	MM05 MM05	17 18
	4.4 - 38	138	68.54	5220	2.2						
	2.8 - 25	210	105.28	4790	0.95						
	3.3 - 29	183	90.77	5150	1.10						
	3.6 - 31	170	84.61	5220	1.15						
	4.1 - 35	149	73.96	5050	1.35						
	4.3 - 38	140	69.33	4970	1.45						
	4.9 - 43	123	61.18	4820	1.60						
	5.4 - 47	112	55.76	4710	1.80	R RF	27 27	DRU DRU	71MJ4 71MJ4	MM05 MM05	11 11
	6.2 - 54	97	48.08	4530	2.1						
	6.7 - 58	90	44.81	4440	2.2						
	4.0 - 35	149	74.11	3270	0.85						
	4.3 - 38	140	69.47	3230	0.95						
	4.9 - 43	123	61.30	3150	1.05						
	5.4 - 47	112	55.87	3090	1.15						
	6.2 - 54	97	48.17	2990	1.35						
	6.7 - 58	90	44.90	2940	1.45	R RF	17 17	DRU DRU	71MJ4 71MJ4	MM05 MM05	10 10.0
	7.6 - 66	79	39.25	2850	1.65						
	8.2 - 71	74	36.79	2800	1.75						
	9.2 - 80	65	32.47	2720	2.00						
	10 - 91	58	28.78	2640	2.2						
	12 - 107	49	24.47	2520	2.6						
	13 - 117	45	22.32	2460	2.9						
	16 - 135	39	19.35	2370	3.3	R RF	17 17	DRU DRU	71MJ4 71MJ4	MM05 MM05	9.8 9.7
	6.3 - 55	95	47.44	1050	0.90						
	6.8 - 59	89	44.18	1520	0.95						
	7.8 - 68	78	38.61	1590	1.10						
	8.3 - 72	73	36.20	1580	1.15						
	9.4 - 82	64	31.94	1560	1.30						
	11 - 92	57	28.32	1530	1.50						
	12 - 108	48	24.07	1490	1.75						
	15 - 132	40	19.71	1430	2.1	R RF	07 07	DRU DRU	71MJ4 71MJ4	MM05 MM05	8.9 8.9
	18 - 154	34	16.99	1390	2.5						
	19 - 165	32	15.84	1370	2.7						
	8.8 - 77	69	34.05	735	0.75						
	10 - 90	59	29.08	830	0.85						
	11 - 97	54	26.97	830	0.90						
	13 - 112	47	23.32	830	1.05						
	14 - 120	44	21.73	820	1.15						



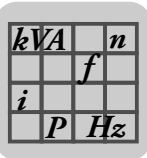
R..DR..J..MM..

R..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	21 - 185	28	14.12	785	1.75	R RF	07 07	DRU	71MJ4 71MJ4	MM05 MM05	8.8
	25 - 216	24	12.06	765	2.1						8.8
	27 - 233	22	11.18	755	2.2						
	31 - 270	19	9.67	735	2.6						
	33 - 290	18	9.01	725	2.8						
	38 - 332	16	7.85	705	3.1						
	52 - 453	12	5.76	655	3.4						
	61 - 530	9.9	4.92	630	3.7						
	66 - 572	9.2	4.57	620	3.9						
	76 - 661	8.0	3.95	595	4.3						
	82 - 709	7.4	3.68	585	4.5						
	94 - 814	6.4	3.21	565	4.8						
	58 - 504	10	5.18	3230	7.2	RX RXF	67 67	DRU	71MJ4 71MJ4	MM05 MM05	19
	66 - 577	9.1	4.53	3090	9.0						23
	70 - 607	8.6	4.30*	3040	9.2						
	80 - 692	7.6	3.77	2920	11						
	69 - 600	8.8	4.35	2480	7.8	RX RXF	57 57	DRU	71MJ4 71MJ4	MM05 MM05	16
	79 - 689	7.6	3.79	2370	9.0						18
	85 - 735	7.1	3.55*	2320	9.7						
	96 - 832	6.3	3.14	2230	10						
	103 - 896	5.9	2.91	2180	11						
	114 - 989	5.3	2.64*	2110	13						
	127 - 1100	4.8	2.37	2040	14						
	147 - 1280	4.1	2.04	1940	17						
	156 - 1360	3.9	1.92*	1900	18						
	182 - 1580	3.3	1.65	1810	21						
0.75	1.2 - 11	675	246.54	20000	2.3	R RF RM	87 87 87	DRU	80SJ4 80SJ4 80SJ4	MM07 MM07 MM07	71
	1.4 - 12	590	216.54	20000	2.6						78
	1.5 - 13	560	205.71	20000	2.8						105
	1.6 - 14	495	181.77	20000	3.1						
	1.9 - 17	425	155.34	20000	3.6	R RF RM	77 77 77	DRU	80SJ4 80SJ4 80SJ4	MM07 MM07 MM07	43
	1.8 - 16	455	166.59	12300	1.80						49
	2.1 - 18	395	145.67	12500	2.0						74
	2.2 - 19	375	138.39	12600	2.2						
	1.9 - 16	430	158.14	9110	1.40	R RF RM	67 67 67	DRU	80SJ4 80SJ4 80SJ4	MM07 MM07 MM07	37
	2.2 - 19	375	137.67	9480	1.60						40
	2.3 - 20	350	128.97	9610	1.70						56
	2.6 - 23	310	113.94	9820	1.90						
	2.8 - 25	290	105.83	9930	2.1	R RF RM	57 57 57	DRU	80SJ4 80SJ4 80SJ4	MM07 MM07 MM07	30
	2.0 - 18	405	147.92	7280	1.10						34
	2.3 - 20	350	128.77	7470	1.25						46
	2.5 - 22	330	120.63	7400	1.35						
	2.8 - 24	290	106.58	7190	1.55	R RF	47 47	DRU	80SJ4 80SJ4	MM07 MM07	25
	3.0 - 26	270	98.99	7060	1.65						25
	3.3 - 29	245	89.71	6900	1.85						
	3.7 - 32	220	80.55	6710	2.0						
	2.1 - 19	380	139.99	1720	0.80	R RF		DRU	80SJ4 80SJ4	MM07 MM07	
	2.5 - 21	330	121.87	4880	0.90						
	2.6 - 23	310	114.17	5350	0.95						
	3.0 - 26	275	100.86	5500	1.10						
	3.2 - 28	255	93.68	5410	1.15						
	3.5 - 31	230	84.90	5290	1.30						
	3.9 - 34	205	76.23	5160	1.45						
	4.4 - 38	188	68.54	5030	1.60						
	4.7 - 41	176	64.21	4950	1.70						



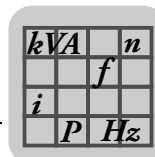
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	3.3 - 29	245	90.77	2400	0.80	R RF	37 37	DRU DRU	80SJ4 80SJ4	MM07 MM07	20 21
	3.6 - 31	230	84.61	4270	0.85						
	4.1 - 35	200	73.96	4720	1.00						
	4.3 - 38	190	69.33	4730	1.05						
	4.9 - 43	168	61.18	4610	1.20						
	5.4 - 47	153	55.76	4520	1.30						
	6.2 - 54	132	48.08	4360	1.50						
	6.7 - 58	123	44.81	4290	1.65						
	7.7 - 67	107	39.17	4150	1.85	R RF	27 27	DRU DRU	80SJ4 80SJ4	MM07 MM07	14 14
	8.2 - 71	101	36.72	4080	2.00						
	5.4 - 47	153	55.87	2890	0.85						
	6.2 - 54	132	48.17	2820	1.00						
	6.7 - 58	123	44.90	2780	1.05						
	7.6 - 66	108	39.25	2710	1.20						
	8.2 - 71	101	36.79	2670	1.30						
	9.2 - 80	89	32.47	2600	1.45						
	10 - 91	79	28.78	2530	1.65	R RF	27 27	DRU DRU	80SJ4 80SJ4	MM07 MM07	14 14
	12 - 107	67	24.47	2440	1.95						
	13 - 117	61	22.32	2380	2.1						
	16 - 135	53	19.35	2300	2.4						
	17 - 144	50	18.08	2260	2.6						
	19 - 167	43	15.63	2170	3.0						
	7.8 - 68	106	38.61	86	0.80	R RF	17 17	DRU DRU	80SJ4 80SJ4	MM07 MM07	13 13
	8.3 - 72	99	36.20	730	0.85						
	9.4 - 82	88	31.94	1390	0.95						
	11 - 92	78	28.32	1380	1.10						
	12 - 108	66	24.07	1360	1.30						
	15 - 132	54	19.71	1330	1.55						
	18 - 154	47	16.99	1300	1.80						
	19 - 165	43	15.84	1280	1.95	R RF	17 17	DRU DRU	80SJ4 80SJ4	MM07 MM07	13 13
	22 - 189	38	13.84	1250	2.2						
	23 - 201	36	12.98	1240	2.4						
	26 - 228	31	11.45	1210	2.6						
	30 - 257	28	10.15	1180	2.8						
	35 - 302	24	8.63	1140	3.0						
	40 - 346	21	7.55	1060	2.7						
	43 - 371	19	7.04	1050	2.8	RX RXF	67 67	DRU DRU	80SJ4 80SJ4	MM07 MM07	24 28
	49 - 424	17	6.15	1020	3.2						
	52 - 453	16	5.76	1000	3.4						
	59 - 513	14	5.09	970	3.6						
	67 - 579	12	4.51	940	3.9						
	78 - 681	11	3.83	900	4.3						
	58 - 504	14	5.18	3200	5.3	RX RXF	57 57	DRU DRU	80SJ4 80SJ4	MM07 MM07	21 23
	66 - 577	12	4.53	3070	6.6						
	70 - 607	12	4.30*	3020	6.8						
	80 - 692	10	3.77	2900	8.4						
	69 - 600	12	4.35	2450	5.7						
	79 - 689	10	3.79	2350	6.6						
	85 - 735	9.7	3.55*	2300	7.1						
	96 - 832	8.6	3.14	2210	7.6						
	103 - 896	8.0	2.91	2160	8.4	RX RXF	57 57	DRU DRU	80SJ4 80SJ4	MM07 MM07	21 23
	114 - 989	7.2	2.64*	2100	9.5						
	127 - 1100	6.5	2.37	2020	11						
	147 - 1280	5.6	2.04	1930	12						
	156 - 1360	5.3	1.92*	1890	13						
	182 - 1580	4.5	1.65	1800	15						
	203 - 1770	4.0	1.48	1740	17						
	230 - 2000	3.6	1.30	1670	18						



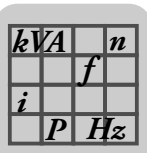
R..DR..J..MM..

R..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	1.4 - 12	870	216.54	20000	1.80						
	1.5 - 13	820	205.71	20000	1.85	R	87	DRU	80MJ4	MM11	73
	1.6 - 14	730	181.77	20000	2.1	RF	87	DRU	80MJ4	MM11	80
	1.9 - 17	625	155.34	20000	2.5	RM	87	DRU	80MJ4	MM11	110
	2.1 - 18	570	142.41	20000	2.7						
	2.1 - 18	585	145.67	11600	1.40						
	2.2 - 19	555	138.39	11800	1.45	R	77	DRU	80MJ4	MM11	46
	2.5 - 22	485	121.42	12100	1.70	RF	77	DRU	80MJ4	MM11	51
	2.9 - 25	410	102.99	12400	2.00	RM	77	DRU	80MJ4	MM11	76
	3.2 - 28	370	92.97	12600	2.2						
	3.7 - 32	325	81.80	12700	2.5						
	2.2 - 19	550	137.67	8070	1.10						
	2.3 - 20	515	128.97	8410	1.15	R	67	DRU	80MJ4	MM11	40
	2.6 - 23	455	113.94	8920	1.30	RF	67	DRU	80MJ4	MM11	43
	2.8 - 25	425	105.83	9160	1.40	RM	67	DRU	80MJ4	MM11	59
	3.1 - 27	385	95.91	9420	1.55						
	3.5 - 30	345	86.11	9650	1.75						
	4.0 - 35	295	74.17	9890	2.0						
	2.3 - 20	515	128.77	6030	0.85						
	2.5 - 22	485	120.63	6840	0.95						
	2.8 - 24	425	106.58	6700	1.05						
	3.0 - 26	395	98.99	6610	1.15						
	3.3 - 29	360	89.71	6480	1.25						
	3.7 - 32	320	80.55	6340	1.40	R	57	DRU	80MJ4	MM11	33
	4.3 - 38	275	69.23	6140	1.60	RF	57	DRU	80MJ4	MM11	37
	4.6 - 40	260	64.85	6040	1.70	RM	57	DRU	80MJ4	MM11	49
	5.2 - 46	230	57.29	5870	1.95						
	5.6 - 49	210	53.22	5770	2.1						
	6.2 - 54	194	48.23	5630	2.3						
	6.9 - 60	174	43.30	5480	2.6						
	8.0 - 70	150	37.30*	5270	3.0						
	3.2 - 28	375	93.68	2250	0.80						
	3.5 - 31	340	84.90	4480	0.90	R	47	DRU	80MJ4	MM11	28
	3.9 - 34	305	76.23	4810	1.00	RF	47	DRU	80MJ4	MM11	28
	4.4 - 38	275	68.54	4710	1.10						
	4.7 - 41	255	64.21	4650	1.15						
	5.3 - 46	225	56.73	4540	1.30						
	4.9 - 43	245	61.18	2820	0.80						
	6.2 - 54	194	48.08	3590	1.05						
	6.7 - 58	180	44.81	3750	1.10						
	7.7 - 67	158	39.17	3910	1.25	R	37	DRU	80MJ4	MM11	23
	8.2 - 71	148	36.72	3860	1.35	RF	37	DRU	80MJ4	MM11	24
	9.3 - 81	130	32.40	3760	1.55						
	10 - 91	116	28.73	3650	1.75						
	12 - 107	98	24.42	3510	2.0						
	7.6 - 66	158	39.25	2360	0.80						
	8.2 - 71	148	36.79	2440	0.90	R	27	DRU	80MJ4	MM11	17
	9.2 - 80	131	32.47	2400	1.00	RF	27	DRU	80MJ4	MM11	17
	10 - 91	116	28.78	2350	1.10						
	12 - 107	98	24.47	2280	1.30						
	16 - 135	78	19.35	2180	1.65						
	17 - 144	73	18.08	2140	1.80	R	27	DRU	80MJ4	MM11	17
	19 - 167	63	15.63	2070	2.1	RF	27	DRU	80MJ4	MM11	16
	23 - 197	53	13.28*	1990	2.4						



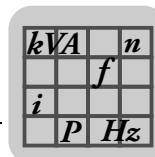
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	66 - 577	18	4.53	3030	4.5	RX	67	DRU	80MJ4	MM11	26
	70 - 607	17	4.30*	2990	4.6						30
	80 - 692	15	3.77	2870	5.7	RXF	67	DRU	80MJ4	MM11	26
	94 - 816	13	3.20*	2720	7.8						30
	104 - 903	12	2.89	2640	9.1	RXF	67	DRU	80MJ4	MM11	26
	118 - 1025	10	2.54	2530	12						30
	125 - 1090	9.7	2.40*	2480	13	RX	57	DRU	80MJ4	MM11	24
	147 - 1275	8.2	2.04	2360	16						26
	162 - 1405	7.5	1.86	2290	17	RXF	57	DRU	80MJ4	MM11	24
	186 - 1620	6.5	1.61	2180	18						26
	79 - 689	15	3.79	2310	4.5	RX	57	DRU	80MJ4	MM11	24
	85 - 735	14	3.55*	2270	4.8						26
	96 - 832	13	3.14	2180	5.2	RXF	57	DRU	80MJ4	MM11	24
	103 - 896	12	2.91	2130	5.7						26
	114 - 989	11	2.64*	2070	6.5	RXF	57	DRU	80MJ4	MM11	24
	127 - 1100	9.5	2.37	2000	7.2						26
	147 - 1280	8.2	2.04	1910	8.4	RX	57	DRU	80MJ4	MM11	24
	156 - 1360	7.7	1.92*	1870	8.9						26
	182 - 1580	6.6	1.65	1790	10	RXF	57	DRU	80MJ4	MM11	24
	203 - 1770	5.9	1.48	1720	11						26
	230 - 2000	5.2	1.30	1660	12	R	97	DRU	90MJ4	MM15	115
	1.4 - 12	1180	216.28	28000	2.5						135
	1.6 - 14	1020	186.30	28200	2.9	RF	97	DRU	90MJ4	MM15	135
						RM	97	DRU	90MJ4	MM15	185
1.5	1.6 - 14	990	181.77	19800	1.55	R	87	DRU	90MJ4	MM15	77
	1.9 - 17	850	155.34	20000	1.80						84
	2.1 - 18	780	142.41	20000	2.00	RF	87	DRU	90MJ4	MM15	115
	2.4 - 21	685	124.97	20000	2.3						115
	2.5 - 22	645	118.43*	20000	2.4	RM	87	DRU	90MJ4	MM15	115
	2.9 - 25	565	103.65	20000	2.7						115
	2.5 - 22	665	121.42	11100	1.25	R	77	DRU	90MJ4	MM15	50
	2.9 - 25	565	102.99	11800	1.45						55
	3.2 - 28	510	92.97	12000	1.60	RF	77	DRU	90MJ4	MM15	80
	3.7 - 32	445	81.80	12300	1.85						80
	3.9 - 34	420	77.24	12400	1.95	RM	77	DRU	90MJ4	MM15	80
	4.6 - 40	360	65.77	12600	2.3						80
	2.6 - 23	625	113.94	7240	0.95	R	67	DRU	90MJ4	MM15	43
	3.1 - 27	525	95.91	8340	1.15						47
	3.5 - 30	470	86.11	8810	1.25	RF	67	DRU	90MJ4	MM15	62
	4.0 - 35	405	74.17	9290	1.45						62
	4.3 - 37	380	69.75	9440	1.55	RM	67	DRU	90MJ4	MM15	62
	4.9 - 43	335	61.26	9710	1.80						62
	5.8 - 51	280	51.56	9960	2.1	R	57	DRU	90MJ4	MM15	37
	3.3 - 29	490	89.71	6010	0.90						40
	3.7 - 32	440	80.55	5920	1.00	RF	57	DRU	90MJ4	MM15	52
	5.2 - 46	310	57.29	5570	1.45						52
	6.2 - 54	260	48.23	5380	1.70	RM	57	DRU	90MJ4	MM15	52
	6.9 - 60	235	43.30	5250	1.90						52
	8.0 - 70	200	37.30*	5070	2.2	R	57	DRU	90MJ4	MM15	37
	8.6 - 74	192	35.07	5000	2.3						40
	9.9 - 86	166	30.18	4820	2.7	RF	57	DRU	90MJ4	MM15	52
	11 - 97	148	26.97	4680	3.0						52



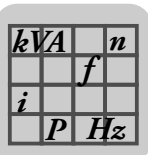
R..DR..J..MM..

R..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	5.3 - 46	310	56.73	4230	0.95	R RF	47 47	DRU	90MJ4	MM15	32
	6.3 - 55	260	47.75	4110	1.15						
	7.0 - 61	235	42.87	4030	1.25						
	8.1 - 71	200	36.93	3910	1.50						
	8.6 - 75	191	34.73	3860	1.55						
	10 - 87	164	29.88	3740	1.85						
	11 - 98	147	26.70	3640	2.0						
	13 - 111	129	23.59	3540	2.3						
	16 - 135	106	19.27	3360	2.8	R RF	47 47	DRU	90MJ4	MM15	31
	7.7 - 67	210	39.17	2380	0.95	R RF	37 37	DRU	90MJ4	MM15	27
	9.3 - 81	178	32.40	2910	1.10						
	10 - 91	158	28.73	3170	1.25						
	12 - 107	134	24.42	3340	1.50						
	19 - 167	86	15.60	3020	2.3	R RF	37 37	DRU	90MJ4	MM15	27
	23 - 197	73	13.25	2900	2.6						
	25 - 221	65	11.83	2820	2.8						
	30 - 258	55	10.11	2700	3.1						
	32 - 276	52	9.47	2660	3.2						
	10 - 91	158	28.78	1720	0.80	R	27	DRU	90MJ4	MM15	21
	12 - 107	134	24.47	2030	0.95	RF	27	DRU	90MJ4	MM15	21
	19 - 167	86	15.63	1960	1.50	R RF	27 27	DRU	90MJ4	MM15	21
	23 - 197	73	13.28*	1900	1.80						
	25 - 220	65	11.86	1850	2.00						
	30 - 258	56	10.13	1790	2.2						
	46 - 396	36	6.59	1580	2.9						
	54 - 466	31	5.60*	1520	3.2						
	60 - 522	27	5.00*	1470	3.5						
	70 - 611	23	4.27	1410	3.7						
	75 - 652	22	4.00*	1390	3.9						
	89 - 775	18	3.37	1320	4.3						
	63 - 552	26	4.73	4390	4.7	RX	77	DRU	90MJ4	MM15	40
	74 - 646	22	4.04*	4180	6.4	RXF	77	DRU	90MJ4	MM15	42
	80 - 692	21	3.77	2830	4.2	RX RXF	67 67	DRU	90MJ4	MM15	30
	94 - 816	18	3.20*	2690	5.7						
	104 - 903	16	2.89	2610	6.7						
	118 - 1025	14	2.54	2510	8.5						
	125 - 1090	13	2.40*	2460	9.3						
	147 - 1275	11	2.04	2340	12						
	162 - 1405	10	1.86	2270	12						
	186 - 1620	8.8	1.61	2170	13						
	214 - 1865	7.7	1.40*	2070	14						
	96 - 832	17	3.14	2150	3.8	RX RXF	57 57	DRU	90MJ4	MM15	27
	114 - 989	14	2.64*	2040	4.8						
	127 - 1100	13	2.37	1980	5.3						
	147 - 1280	11	2.04	1890	6.2						
	156 - 1360	11	1.92*	1850	6.6						
	182 - 1580	9.1	1.65	1770	7.6						
	203 - 1770	8.1	1.48	1700	8.4						
	230 - 2000	7.2	1.30	1640	8.8						
2.2	2.5 - 22	970	121.42	5700	0.85	R RF RM	77 77 77	DRU	90LJ4	MM22	52
	2.9 - 25	820	102.99	9830	1.00						
	3.2 - 28	745	92.97	10500	1.10						
	3.7 - 32	655	81.80	11200	1.25						
	3.9 - 34	620	77.24	11400	1.30						
	4.6 - 40	525	65.77	11900	1.55						
	5.2 - 45	460	57.68	12200	1.75						
	5.8 - 50	415	52.07	12000	1.95						



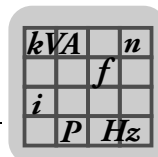
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	3.5 - 30	690	86.11	0	0.85						
	4.0 - 35	595	74.17	7590	1.00						
	4.3 - 37	560	69.75	7990	1.05						
	4.9 - 43	490	61.26	8640	1.20						
	5.8 - 51	415	51.56	9240	1.45						
	6.5 - 56	370	46.29	9280	1.60						
	7.5 - 65	320	39.88*	8940	1.80						
	8.0 - 70	300	37.50	8800	1.90						
	5.2 - 46	460	57.29	5050	1.00						
	6.2 - 54	385	48.23	4930	1.15						
	6.9 - 60	345	43.30	4850	1.30						
	8.0 - 70	300	37.30*	4730	1.50						
	8.6 - 74	280	35.07	4680	1.60						
	9.9 - 86	240	30.18	4540	1.85						
	11 - 97	215	26.97	4430	2.1						
	14 - 119	177	21.93	4230	2.6						
	16 - 140	150	18.60*	4070	3.0						
	18 - 155	135	16.79	3960	3.3						
	16 - 135	155	19.27	3180	1.90						
	18 - 161	131	16.22	3060	2.1						
	21 - 179	117	14.56	2980	2.3						
	24 - 208	101	12.54	2880	2.5						
	25 - 221	95	11.79	2840	2.6						
	19 - 167	126	15.60	2670	1.60						
	23 - 197	107	13.25	2740	1.80						
	25 - 221	95	11.83	2670	1.90						
	30 - 258	81	10.11	2580	2.1						
	32 - 276	76	9.47	2540	2.2						
	38 - 327	64	7.97	2440	2.4						
	19 - 167	126	15.63	1480	1.05						
	23 - 197	107	13.28*	1730	1.20						
	25 - 220	95	11.86	1700	1.35						
	30 - 258	82	10.13	1660	1.50						
	46 - 396	53	6.59	1480	2.0						
	54 - 466	45	5.60*	1430	2.2						
	60 - 522	40	5.00*	1400	2.4						
	70 - 611	34	4.27	1350	2.5						
	75 - 652	32	4.00*	1330	2.6						
	89 - 775	27	3.37	1270	2.9						
	63 - 552	38	4.73	4320	3.2						
	74 - 646	33	4.04*	4120	4.4						
	81 - 705	30	3.70	4010	5.1						
	92 - 803	26	3.25*	3850	7.0						
	80 - 692	30	3.77	2770	2.9						
	94 - 816	26	3.20*	2640	3.9						
	104 - 903	23	2.89	2560	4.6						
	118 - 1025	20	2.54	2460	5.8						
	125 - 1090	19	2.40*	2420	6.4						
	147 - 1275	16	2.04	2300	8.2						
	162 - 1405	15	1.86	2240	8.4						
	186 - 1620	13	1.61	2140	8.8						
	214 - 1865	11	1.40*	2050	9.2						
2.2	96 - 832	25	3.14	2090	2.6						
	114 - 989	21	2.64*	1990	3.2						
	127 - 1100	19	2.37	1930	3.6						
	147 - 1280	16	2.04	1850	4.2						
	156 - 1360	15	1.92*	1810	4.5						
	182 - 1580	13	1.65	1730	5.2						
	203 - 1770	12	1.48	1670	5.7						
	230 - 2000	10	1.30	1610	6.0						



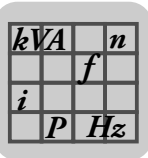
R..DR..J..MM..

R..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	1.6 - 14	2040	186.30	26200	1.45	R RF RM	97	DRU	100MJ4	MM30	125
	1.8 - 15	1860	170.02	26900	1.60						140
	2.0 - 17	1650	150.78	27400	1.80						195
	2.4 - 21	1390	126.75	27300	2.2	R RF RM	87	DRU	100MJ4	MM30	84
	2.6 - 22	1270	116.48	26700	2.4						91
	1.9 - 17	1700	155.34	15700	0.90						120
	2.1 - 18	1560	142.41	16800	1.00						
	2.4 - 21	1370	124.97	18100	1.15						
	2.5 - 22	1290	118.43*	18500	1.20						
	2.9 - 25	1130	103.65	19300	1.35						
	3.2 - 28	1020	93.38	19700	1.50						
	3.7 - 32	890	81.92	19600	1.70						
	4.1 - 36	795	72.57	19000	1.95						
	4.7 - 41	695	63.68*	18400	2.2	R RF RM	77	DRU	100MJ4	MM30	57
	3.2 - 28	1020	92.97	0	0.80						63
	3.7 - 32	890	81.80	9130	0.90						88
	3.9 - 34	840	77.24	9650	0.95						
	4.6 - 40	720	65.77	10700	1.15						
	5.2 - 45	630	57.68	11400	1.30						
	5.8 - 50	570	52.07	11600	1.45						
	6.6 - 57	500	45.81	11200	1.65						
	6.9 - 60	470	43.26	11100	1.75						
	8.1 - 71	400	36.83	10600	2.0						
	9.0 - 78	365	33.47	10400	2.2	R RF RM	67	DRU	100MJ4	MM30	51
	5.8 - 51	565	51.56	7940	1.05						54
	6.5 - 56	505	46.29	8510	1.20						70
	7.5 - 65	435	39.88*	8560	1.35						
	8.0 - 70	410	37.50	8440	1.40						
	9.3 - 81	350	32.27	8150	1.50	R RF RM	57	DRU	100MJ4	MM30	44
	10 - 91	315	28.83	7930	1.65						48
	6.2 - 54	525	48.23	4430	0.85						60
	6.9 - 60	475	43.30	4400	0.95						
	8.0 - 70	405	37.30*	4340	1.10						
	8.6 - 74	380	35.07	4310	1.15	R RF RM	57	DRU	100MJ4	MM30	43
	9.9 - 86	330	30.18	4220	1.35						47
	11 - 97	295	26.97	4150	1.50						59
	16 - 140	200	18.60*	3870	2.2	R RF RM	57	DRU	100MJ4	MM30	39
	18 - 155	184	16.79	3790	2.4						39
	18 - 161	178	16.22	2890	1.55						
	21 - 179	160	14.56	2830	1.65	R RF	47	DRU	100MJ4	MM30	
	24 - 208	138	12.54	2740	1.80						
	25 - 221	129	11.79	2710	1.90						
	30 - 257	111	10.15	2620	2.1						



P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	23 - 197	145	13.25	1780	1.30	R RF	37 37	DRU DRU	100MJ4 100MJ4	MM30 MM30	35
	25 - 221	130	11.83	2000	1.40						36
	30 - 258	111	10.11	2250	1.55						
	32 - 276	104	9.47	2330	1.60						
	38 - 327	88	7.97	2330	1.80						
	53 - 461	62	5.67	2120	2.3						
	59 - 516	56	5.06	2070	2.4						
	23 - 197	146	13.28*	700	0.90	R RF	27 27	DRU DRU	100MJ4 100MJ4	MM30 MM30	29
	25 - 220	130	11.86	940	1.00						29
	30 - 258	111	10.13	1220	1.10						
	54 - 466	61	5.60*	1340	1.60						
	60 - 522	55	5.00*	1320	1.75						
	70 - 611	47	4.27	1280	1.85						
	75 - 652	44	4.00*	1260	1.95						
	89 - 775	37	3.37	1220	2.1						
	74 - 646	44	4.04*	4050	3.2	RX RXF	77 77	DRU DRU	100MJ4 100MJ4	MM30 MM30	47
	81 - 705	41	3.70	3950	3.8						50
	92 - 803	36	3.25*	3800	5.1						
	94 - 816	35	3.20*	2580	2.8	RX RXF	67 67	DRU DRU	100MJ4 100MJ4	MM30 MM30	37
	104 - 903	32	2.89	2500	3.3						41
	118 - 1025	28	2.54	2410	4.2						
	125 - 1090	26	2.40*	2370	4.7						
	147 - 1275	22	2.04	2260	6.0						
	162 - 1405	20	1.86	2200	6.2						
	186 - 1620	18	1.61	2100	6.5	RX RXF	57 57	DRU DRU	100MJ4 100MJ4	MM30 MM30	35
	214 - 1865	15	1.40*	2020	6.8						37
	114 - 989	29	2.64*	1930	2.4						
	127 - 1100	26	2.37	1880	2.6						
	147 - 1280	22	2.04	1800	3.1						
	156 - 1360	21	1.92*	1770	3.3						
4.0	182 - 1580	18	1.65	1690	3.8	R RF RM	97 97 97	DRU DRU DRU	100LJ4 100LJ4 100LJ4	MM40 MM40 MM40	130
	203 - 1770	16	1.48	1640	4.2						145
	230 - 2000	14	1.30	1580	4.4						195
	2.0 - 17	2200	150.78	25500	1.35						
	2.4 - 21	1850	126.75	26400	1.60						
	2.6 - 22	1700	116.48	25900	1.75						
	2.9 - 25	1510	103.44	25100	2.00	R RF RM	87 87 87	DRU DRU DRU	100LJ4 100LJ4 100LJ4	MM40 MM40 MM40	87
	3.2 - 28	1350	92.48	24400	2.2						94
	3.6 - 31	1210	83.15	23700	2.5						125
	4.2 - 36	1050	72.17	22800	2.8						
	2.4 - 21	1820	124.97	12500	0.85						
	2.5 - 22	1730	118.43*	13200	0.90	R RF RM	77 77 77	DRU DRU DRU	100LJ4 100LJ4 100LJ4	MM40 MM40 MM40	60
	2.9 - 25	1510	103.65	14600	1.00						66
	3.2 - 28	1360	93.38	15600	1.15						91
	3.7 - 32	1190	81.92	16500	1.30						
	4.7 - 41	930	63.68*	17600	1.65						
	5.0 - 43	880	60.35*	17600	1.75						
4.0	5.7 - 49	770	52.82	17000	2.0	RX RXF	87 87	DRU DRU	100LJ4 100LJ4	MM40 MM40	67
	6.3 - 55	695	47.58	16500	2.2						72
	7.2 - 63	610	41.74	15900	2.5						
	8.1 - 71	535	36.84*	15400	2.9						
	4.6 - 40	960	65.77	7100	0.85						
	6.6 - 57	670	45.81	10700	1.20						
	6.9 - 60	630	43.26	10600	1.30	RX RXF	77 77	DRU DRU	100LJ4 100LJ4	MM40 MM40	50
	8.1 - 71	535	36.83	10200	1.50						53
	9.0 - 78	485	33.47	10000	1.65						
	10 - 90	420	29.00	9660	1.95						
	12 - 103	365	25.23	9330	2.1						
	67 - 580	66	4.50*	5260	4.4						
	92 - 803	48	3.25*	3730	3.8	RX RXF	77 77	DRU DRU	100LJ4 100LJ4	MM40 MM40	
	97 - 847	45	3.08*	3670	4.3						

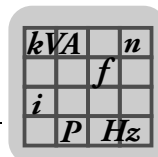


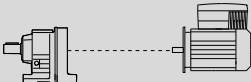
R..DR..J..MM..

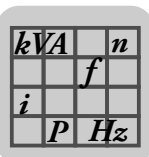
R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

4.4 R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	1.9 - 9.5	370	158.14	9510	1.60						
	2.2 - 11	320	137.67	9770	1.85	R	67	DRU	71MJ4	MM03	32
	2.3 - 12	300	128.97	9870	2.00	RF	67	DRU	71MJ4	MM03	35
	2.6 - 13	265	113.94	10000	2.2	RM	67	DRU	71MJ4	MM03	51
	2.8 - 14	245	105.83	10100	2.4						
	2.0 - 10	345	147.92	7490	1.30						
	2.3 - 12	300	128.77	7620	1.50						
	2.5 - 12	280	120.63	7670	1.60	R	57	DRU	71MJ4	MM03	26
	2.8 - 14	250	106.58	7750	1.80	RF	57	DRU	71MJ4	MM03	29
	3.0 - 15	230	98.99	7790	1.95	RM	57	DRU	71MJ4	MM03	41
	3.3 - 17	210	89.71	7830	2.1						
	3.7 - 19	190	80.55	7870	2.4						
	4.3 - 22	163	69.23	7910	2.8						
	2.5 - 12	285	121.87	5490	1.05						
	2.6 - 13	265	114.17	5580	1.10						
	3.0 - 15	235	100.86	5710	1.25						
	3.2 - 16	220	93.68	5780	1.35						
	3.5 - 18	200	84.90	5850	1.50	R	47	DRU	71MJ4	MM03	20
	3.9 - 20	180	76.23	5920	1.65	RF	47	DRU	71MJ4	MM03	21
	4.4 - 22	161	68.54	5970	1.85						
	4.7 - 23	151	64.21	5990	2.00						
	5.3 - 26	134	56.73	5970	2.2						
	5.7 - 28	124	52.69	5850	2.4						
	3.3 - 17	210	90.77	4760	0.95						
	3.6 - 18	199	84.61	4950	1.00						
	4.1 - 20	174	73.96	5240	1.15						
	4.3 - 22	163	69.33	5350	1.20						
	4.9 - 25	144	61.18	5520	1.40						
	5.4 - 27	131	55.76	5620	1.50	R	37	DRU	71MJ4	MM03	17
	6.2 - 31	113	48.08	5460	1.75	RF	37	DRU	71MJ4	MM03	18
	6.7 - 33	106	44.81	5360	1.90						
	7.7 - 38	92	39.17	5160	2.2						
	8.2 - 41	86	36.72	5070	2.3						
	9.3 - 46	76	32.40	4900	2.6						
	10 - 52	68	28.73	4730	3.0						
	12 - 61	58	24.42	4510	3.5						
	13 - 67	52	22.27	4390	3.8	R	37	DRU	71MJ4	MM03	16
						RF	37	DRU	71MJ4	MM03	18
	5.4 - 27	132	55.87	3730	1.00						
	6.2 - 31	113	48.17	3610	1.15						
	6.7 - 33	106	44.90	3550	1.25						
	7.6 - 38	92	39.25	3440	1.40	R	27	DRU	71MJ4	MM03	11
	8.2 - 41	87	36.79	3380	1.50	RF	27	DRU	71MJ4	MM03	11
	9.2 - 46	76	32.47	3280	1.70						
	10 - 52	68	28.78	3180	1.90						
	12 - 61	58	24.47	3040	2.3						
	13 - 67	53	22.32	2970	2.5	R	27	DRU	71MJ4	MM03	11
	16 - 78	46	19.35	2850	2.8	RF	27	DRU	71MJ4	MM03	11
	8.3 - 41	85	36.20	1750	1.00						
	9.4 - 47	75	31.94	1890	1.15	R	17	DRU	71MJ4	MM03	10
	11 - 53	67	28.32	1850	1.25	RF	17	DRU	71MJ4	MM03	10.0
	12 - 62	57	24.07	1800	1.50						



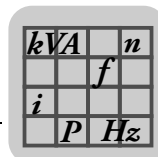
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	15 - 76	46	19.71	1730	1.85	R RF	17 17	DRU DRU	71MJ4 71MJ4	MM03 MM03	9.8
	18 - 88	40	16.99	1680	2.1						9.7
	19 - 95	37	15.84	1650	2.3						
	22 - 108	33	13.84	1600	2.6						
	23 - 116	31	12.98	1580	2.8						
	26 - 131	27	11.45	1530	3.0						
	30 - 148	24	10.15	1480	3.2						
	21 - 106	33	14.12	950	1.50	R RF	07 07	DRU DRU	71MJ4 71MJ4	MM03 MM03	8.8
	25 - 124	28	12.06	930	1.75						8.8
	27 - 134	26	11.18	910	1.90						
	31 - 155	23	9.67	890	2.2						
	33 - 166	21	9.01	880	2.4						
	38 - 191	18	7.85	850	2.6						
	52 - 260	14	5.76	790	3.0						
	61 - 305	12	4.92	760	3.2						
	66 - 329	11	4.57	745	3.4						
	76 - 380	9.3	3.95	720	3.7						
	82 - 408	8.7	3.68	705	3.8						
	94 - 468	7.6	3.21	680	4.1						
	58 - 290	12	5.18	3890	6.2	RX RXF	67 67	DRU DRU	71MJ4 71MJ4	MM03 MM03	19
	66 - 331	11	4.53	3720	7.7						23
	70 - 349	10	4.30*	3660	7.9						
	80 - 398	8.9	3.77	3510	9.8						
	69 - 345	10	4.35	2980	6.6	RX RXF	57 57	DRU DRU	71MJ4 71MJ4	MM03 MM03	16
	79 - 396	8.9	3.79	2850	7.7						18
	85 - 423	8.4	3.55*	2790	8.2						
	96 - 478	7.4	3.14	2680	8.8						
	103 - 515	6.9	2.91	2620	9.8						
	114 - 568	6.2	2.64*	2540	11						
	127 - 633	5.6	2.37	2450	12						
	147 - 735	4.8	2.04	2340	14						
	156 - 781	4.5	1.92*	2290	15						
	182 - 908	3.9	1.65	2180	18						
0.55	1.2 - 6.1	860	246.54	20000	1.80	R RF RM	87 87 87	DRU DRU DRU	80SJ4 80SJ4 80SJ4	MM05 MM05 MM05	71
	1.4 - 6.9	755	216.54	20000	2.0						78
	1.5 - 7.3	720	205.71	20000	2.2						105
	1.6 - 8.2	635	181.77	20000	2.4						
	1.9 - 9.7	540	155.34	20000	2.8						
	1.8 - 9.0	580	166.59	11700	1.40	R RF RM	77 77 77	DRU DRU DRU	80SJ4 80SJ4 80SJ4	MM05 MM05 MM05	43
	2.1 - 10	510	145.67	12000	1.60						49
	2.2 - 11	480	138.39	12100	1.70						74
	2.5 - 12	425	121.42	12400	1.95						
	2.9 - 15	360	102.99	12600	2.3						
	1.9 - 9.5	550	158.14	8070	1.10	R RF RM	67 67 67	DRU DRU DRU	80SJ4 80SJ4 80SJ4	MM05 MM05 MM05	37
	2.2 - 11	480	137.67	8740	1.25						40
	2.3 - 12	450	128.97	8980	1.35						56
	2.6 - 13	395	113.94	9340	1.50						
	2.8 - 14	370	105.83	9520	1.60						
	3.1 - 16	335	95.91	9710	1.80						
	3.5 - 17	300	86.11	9880	2.00						
	4.0 - 20	255	74.17	10100	2.3						
	4.3 - 22	240	69.75	10100	2.5						



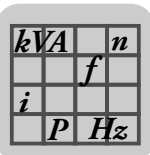
R..DR..J..MM..

R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	2.3 - 12	450	128.77	7100	1.00	R RF RM	57 57 57	DRU DRU DRU	80SJ4 80SJ4 80SJ4	MM05 MM05 MM05	30
	2.5 - 12	420	120.63	7220	1.05						34
	2.8 - 14	370	106.58	7400	1.20						46
	3.0 - 15	345	98.99	7490	1.30						
	3.3 - 17	310	89.71	7590	1.45						
	3.7 - 19	280	80.55	7680	1.60						
	4.3 - 22	240	69.23	7710	1.85						
	4.6 - 23	225	64.85	7580	2.00						
	5.2 - 26	200	57.29	7340	2.2						
	5.6 - 28	186	53.22	7190	2.4						
	3.2 - 16	325	93.68	5220	0.90	R RF	47 47	DRU DRU	80SJ4 80SJ4	MM05 MM05	25
	3.5 - 18	295	84.90	5430	1.00						25
	3.9 - 20	265	76.23	5590	1.10						
	4.4 - 22	235	68.54	5700	1.25						
	4.7 - 23	220	64.21	5760	1.35						
	5.3 - 26	199	56.73	5730	1.50						
	5.7 - 28	184	52.69	5630	1.65						
	6.3 - 31	167	47.75	5490	1.80						
	7.0 - 35	150	42.87	5340	2.0						
	8.1 - 41	129	36.93	5120	2.3						
	8.6 - 43	122	34.73	5040	2.5						
	4.9 - 25	210	61.18	4760	0.95	R RF	37 37	DRU DRU	80SJ4 80SJ4	MM05 MM05	20
	5.4 - 27	195	55.76	5000	1.00						21
	6.2 - 31	168	48.08	5200	1.20						
	6.7 - 33	157	44.81	5120	1.25						
	7.7 - 38	137	39.17	4950	1.45						
	8.2 - 41	129	36.72	4870	1.55						
	9.3 - 46	113	32.40	4720	1.75						
	10 - 52	101	28.73	4580	2.00						
	12 - 61	85	24.42	4380	2.3						
	13 - 67	78	22.27	4270	2.6	R RF	37 37	DRU DRU	80SJ4 80SJ4	MM05 MM05	20
	16 - 78	68	19.31	4100	3.0						21
	17 - 83	63	18.05	4030	3.2						
	7.6 - 38	137	39.25	3220	0.95						
	8.2 - 41	129	36.79	3180	1.00						14
	9.2 - 46	114	32.47	3100	1.15						14
	10 - 52	101	28.78	3020	1.30						
	12 - 61	86	24.47	2900	1.50						
	13 - 67	78	22.32	2840	1.65	R RF	27 27	DRU DRU	80SJ4 80SJ4	MM05 MM05	14
	16 - 78	68	19.35	2740	1.90						14
	17 - 83	63	18.08	2700	2.0						
	19 - 96	55	15.63	2600	2.4						
	23 - 113	46	13.28*	2480	2.8						
	15 - 76	69	19.71	1570	1.25	R RF	17 17	DRU DRU	80SJ4 80SJ4	MM05 MM05	13
	18 - 88	59	16.99	1540	1.45						13
	19 - 95	55	15.84	1520	1.55						
	22 - 108	48	13.84	1490	1.75						
	23 - 116	45	12.98	1470	1.85						
	26 - 131	40	11.45	1440	2.0						
	30 - 148	36	10.15	1400	2.2						
	35 - 174	30	8.63	1350	2.4						
	40 - 199	26	7.55	1270	2.1						
	43 - 213	25	7.04	1250	2.2						
	49 - 244	22	6.15	1210	2.5						
	52 - 260	20	5.76	1190	2.6						
	59 - 295	18	5.09	1160	2.9						
	67 - 333	16	4.51	1120	3.0						
	78 - 391	13	3.83	1080	3.4						



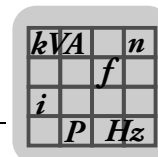
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	58 - 290	18	5.18	3850	4.1						
	66 - 331	16	4.53	3690	5.2	RX	67	DRU	80SJ4	MM05	24
	70 - 349	15	4.30*	3630	5.3	RXF	67	DRU	80SJ4	MM05	28
	80 - 398	13	3.77	3480	6.6						
	69 - 345	15	4.35	2940	4.5						
	79 - 396	13	3.79	2820	5.2						
	85 - 423	12	3.55*	2760	5.6						
	96 - 478	11	3.14	2660	5.9						
	103 - 515	10	2.91	2600	6.6						
	114 - 568	9.2	2.64*	2520	7.5	RX	57	DRU	80SJ4	MM05	21
	127 - 633	8.3	2.37	2430	8.3	RXF	57	DRU	80SJ4	MM05	23
	147 - 735	7.2	2.04	2320	9.6						
	156 - 781	6.7	1.92*	2270	10						
	182 - 908	5.8	1.65	2160	12						
	203 - 1015	5.2	1.48	2090	13						
	230 - 1150	4.6	1.30	2010	14						
0.75	1.4 - 6.9	1030	216.54	19700	1.50						
	1.5 - 7.3	980	205.71	19900	1.60						
	1.6 - 8.2	860	181.77	20000	1.80	R	87	DRU	80MJ4	MM07	73
	1.9 - 9.7	740	155.34	20000	2.1	RF	87	DRU	80MJ4	MM07	80
	2.1 - 11	675	142.41	20000	2.3	RM	87	DRU	80MJ4	MM07	110
	2.4 - 12	595	124.97	20000	2.6						
	2.5 - 13	565	118.43*	20000	2.7						
	2.1 - 10	695	145.67	10900	1.20						
	2.2 - 11	660	138.39	11200	1.25						
	2.5 - 12	575	121.42	11700	1.40	R	77	DRU	80MJ4	MM07	46
	2.9 - 15	490	102.99	12100	1.65	RF	77	DRU	80MJ4	MM07	51
	3.2 - 16	440	92.97	12300	1.85	RM	77	DRU	80MJ4	MM07	76
	3.7 - 18	390	81.80	12500	2.1						
	3.9 - 19	365	77.24	12600	2.2						
	4.6 - 23	310	65.77	12800	2.6						
	2.3 - 12	615	128.97	7370	0.95						
	2.6 - 13	540	113.94	8170	1.10						
	2.8 - 14	505	105.83	8540	1.20						
	3.1 - 16	455	95.91	8930	1.30	R	67	DRU	80MJ4	MM07	40
	3.5 - 17	410	86.11	9260	1.45	RF	67	DRU	80MJ4	MM07	43
	4.0 - 20	350	74.17	9610	1.70	RM	67	DRU	80MJ4	MM07	59
	4.3 - 22	330	69.75	9720	1.80						
	4.9 - 24	290	61.26	9920	2.0						
	5.3 - 26	270	56.89	10000	2.2						
	3.0 - 15	470	98.99	7000	0.95						
	3.3 - 17	425	89.71	7200	1.05						
	3.7 - 19	380	80.55	7360	1.15						
	4.3 - 22	330	69.23	7400	1.35						
	4.6 - 23	305	64.85	7290	1.45						
	5.2 - 26	270	57.29	7080	1.65	R	57	DRU	80MJ4	MM07	33
	5.6 - 28	250	53.22	6950	1.75	RF	57	DRU	80MJ4	MM07	37
	6.2 - 31	230	48.23	6780	1.95	RM	57	DRU	80MJ4	MM07	49
	6.9 - 35	205	43.30	6600	2.2						
	8.0 - 40	178	37.30*	6340	2.5						
	8.6 - 43	167	35.07	6240	2.7						
	9.9 - 50	144	30.18	5990	3.1						



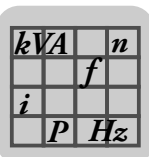
R..DR..J..MM..

R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	4.4 - 22	325	68.54	5260	0.90						
	4.7 - 23	305	64.21	5380	1.00						
	5.3 - 26	270	56.73	5470	1.10						
	5.7 - 28	250	52.69	5380	1.20						
	6.3 - 31	225	47.75	5270	1.30						
	7.0 - 35	200	42.87	5140	1.45						
	8.1 - 41	176	36.93	4950	1.70						
	8.6 - 43	166	34.73	4880	1.80						
	10 - 50	143	29.88	4700	2.1						
	11 - 56	127	26.70	4560	2.4						
	13 - 64	113	23.59	4410	2.7						
	13 - 64	111	23.28	4390	2.7						
	14 - 69	104	21.81	4320	2.9						
	16 - 78	92	19.27	4170	3.2						
	17 - 84	85	17.89	4080	3.4						
	8.2 - 41	175	36.72	4650	1.15						
	9.3 - 46	155	32.40	4530	1.30						
	10 - 52	137	28.73	4400	1.45						
	12 - 61	117	24.42	4230	1.70						
	16 - 78	92	19.31	3990	2.2						
	17 - 83	86	18.05	3920	2.3						
	19 - 96	74	15.60	3770	2.7						
	23 - 113	63	13.25	3600	3.0						
	25 - 127	56	11.83	3490	3.2						
	10 - 52	137	28.78	2840	0.95						
	12 - 61	117	24.47	2750	1.10						
	16 - 78	92	19.35	2620	1.40						
	17 - 83	86	18.08	2580	1.50						
	19 - 96	75	15.63	2500	1.75						
	23 - 113	63	13.28*	2400	2.0						
	25 - 127	57	11.86	2340	2.3						
	30 - 148	48	10.13	2240	2.5						
	37 - 184	39	8.16	2080	3.0						
	39 - 197	36	7.63*	2050	3.1						
	46 - 228	31	6.59	1970	3.4						
	54 - 268	27	5.60*	1880	3.7						
	60 - 300	24	5.00*	1820	4.0						
	70 - 351	20	4.27	1740	4.3						
	75 - 375	19	4.00*	1710	4.4						
	89 - 445	16	3.37	1630	4.9						
	66 - 331	22	4.53	3650	3.8						
	70 - 349	21	4.30*	3590	3.9						
	79 - 396	18	3.79	2780	3.8						
	85 - 423	17	3.55*	2730	4.1						
	96 - 478	15	3.14	2630	4.3						
	103 - 515	14	2.91	2570	4.8						
	114 - 568	13	2.64*	2490	5.5						
	127 - 633	11	2.37	2410	6.1						
	147 - 735	9.8	2.04	2300	7.1						
	156 - 781	9.2	1.92*	2250	7.5						
	182 - 908	7.9	1.65	2150	8.8						
	203 - 1015	7.0	1.48	2070	9.6						
	230 - 1150	6.2	1.30	1990	10						
1.1	1.4 - 6.9	1510	216.28	27600	2.00						
	1.6 - 8.0	1300	186.30	27900	2.3						
	1.8 - 8.8	1190	170.02	28000	2.5						
	2.0 - 10.0	1050	150.78	28200	2.8						



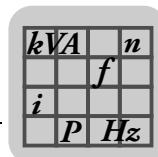
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	1.6 - 8.2	1270	181.77	18600	1.20						
	1.9 - 9.7	1080	155.34	19500	1.40						
	2.1 - 11	990	142.41	19800	1.55	R	87	DRU	90MJ4	MM11	77
	2.4 - 12	870	124.97	20000	1.75	RF	87	DRU	90MJ4	MM11	84
	2.5 - 13	820	118.43*	20000	1.85	RM	87	DRU	90MJ4	MM11	115
	2.9 - 14	725	103.65	20000	2.1						
	3.2 - 16	650	93.38	20000	2.4						
	2.9 - 15	720	102.99	10700	1.15						
	3.2 - 16	650	92.97	11200	1.25						
	3.7 - 18	570	81.80	11700	1.45						
	3.9 - 19	540	77.24	11900	1.50	R	77	DRU	90MJ4	MM11	50
	4.6 - 23	460	65.77	12300	1.80	RF	77	DRU	90MJ4	MM11	55
	5.2 - 26	400	57.68	12500	2.0	RM	77	DRU	90MJ4	MM11	80
	5.8 - 29	360	52.07	12600	2.2						
	6.6 - 33	320	45.81	12700	2.6						
	6.9 - 35	300	43.26	12800	2.7						
	3.5 - 17	600	86.11	7520	1.00						
	4.0 - 20	515	74.17	8410	1.15						
	4.3 - 22	485	69.75	8680	1.25	R	67	DRU	90MJ4	MM11	43
	4.9 - 24	425	61.26	9140	1.40	RF	67	DRU	90MJ4	MM11	47
	5.8 - 29	360	51.56	9570	1.65	RM	67	DRU	90MJ4	MM11	62
	6.5 - 32	320	46.29	9770	1.85						
	7.5 - 38	275	39.88*	9970	2.1						
	8.0 - 40	260	37.50	10000	2.2						
	5.2 - 26	400	57.29	6620	1.10						
	6.2 - 31	335	48.23	6400	1.35						
	6.9 - 35	300	43.30	6250	1.50	R	57	DRU	90MJ4	MM11	37
	8.0 - 40	260	37.30*	6050	1.70	RF	57	DRU	90MJ4	MM11	40
	8.6 - 43	245	35.07	5960	1.85	RM	57	DRU	90MJ4	MM11	52
	9.9 - 50	210	30.18	5750	2.1						
	11 - 56	189	26.97	5590	2.4						
	6.3 - 31	330	47.75	4880	0.90						
	7.0 - 35	300	42.87	4790	1.00						
	8.1 - 41	255	36.93	4650	1.15	R	47	DRU	90MJ4	MM11	32
	8.6 - 43	240	34.73	4600	1.25	RF	47	DRU	90MJ4	MM11	32
	10 - 50	205	29.88	4450	1.45						
	11 - 56	187	26.70	4340	1.60						
	13 - 64	165	23.59	4220	1.80						
	16 - 78	135	19.27	4010	2.2						
	18 - 92	114	16.22	3840	2.4	R	47	DRU	90MJ4	MM11	31
	21 - 103	102	14.56	3730	2.6	RF	47	DRU	90MJ4	MM11	31
	24 - 120	88	12.54	3580	2.8						
	10 - 52	200	28.73	3490	1.00	R	37	DRU	90MJ4	MM11	27
	12 - 61	171	24.42	3860	1.15	RF	37	DRU	90MJ4	MM11	29
	19 - 96	109	15.60	3600	1.85						
	23 - 113	93	13.25	3460	2.0						
	25 - 127	83	11.83	3370	2.2	R	37	DRU	90MJ4	MM11	27
	30 - 148	71	10.11	3230	2.4	RF	37	DRU	90MJ4	MM11	28
	32 - 158	66	9.47	3180	2.5						
	38 - 188	56	7.97	3030	2.8						
	45 - 225	47	6.67	2860	3.1						



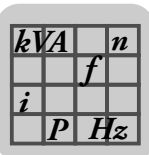
R..DR..J..MM..

R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	19 - 96	109	15.63	2330	1.20						
	23 - 113	93	13.28*	2260	1.40						
	25 - 127	83	11.86	2200	1.55						
	30 - 148	71	10.13	2130	1.70						
	46 - 228	46	6.59	1880	2.3	R	27	DRU	90MJ4	MM11	21
	54 - 268	39	5.60*	1810	2.5	RF	27	DRU	90MJ4	MM11	21
	60 - 300	35	5.00*	1760	2.7						
	70 - 351	30	4.27	1690	2.9						
	75 - 375	28	4.00*	1660	3.0						
	89 - 445	24	3.37	1580	3.4						
	63 - 317	33	4.73	5270	3.7	RX	77	DRU	90MJ4	MM11	40
						RXF	77	DRU	90MJ4	MM11	42
	80 - 398	26	3.77	3400	3.3						
	94 - 469	22	3.20*	3230	4.5	RX	67	DRU	90MJ4	MM11	30
	104 - 519	20	2.89	3130	5.2	RXF	67	DRU	90MJ4	MM11	34
	118 - 590	18	2.54	3010	6.6						
	125 - 625	17	2.40*	2950	7.3						
	96 - 478	22	3.14	2580	3.0						
	114 - 568	18	2.64*	2450	3.7						
	127 - 633	17	2.37	2370	4.2						
	147 - 735	14	2.04	2260	4.8	RX	57	DRU	90MJ4	MM11	27
	156 - 781	13	1.92*	2220	5.1	RXF	57	DRU	90MJ4	MM11	29
	182 - 908	12	1.65	2120	6.0						
	203 - 1015	10	1.48	2040	6.6						
	230 - 1150	9.1	1.30	1970	6.9						
1.5	1.4 - 6.9	2060	216.28	26100	1.45						
	1.6 - 8.0	1770	186.30	27200	1.70	R	97	DRU	90LJ4	MM15	120
	1.8 - 8.8	1620	170.02	27500	1.85	RF	97	DRU	90LJ4	MM15	135
	2.0 - 10.0	1430	150.78	27700	2.1	RM	97	DRU	90LJ4	MM15	190
	2.4 - 12	1210	126.75	28000	2.5						
	2.6 - 13	1110	116.48	28100	2.7						
	1.9 - 9.7	1480	155.34	17400	1.05						
	2.1 - 11	1350	142.41	18100	1.15						
	2.4 - 12	1190	124.97	19000	1.30						
	2.5 - 13	1130	118.43*	19300	1.35	R	87	DRU	90LJ4	MM15	79
	2.9 - 14	980	103.65	19900	1.55	RF	87	DRU	90LJ4	MM15	87
	3.2 - 16	890	93.38	20000	1.75	RM	87	DRU	90LJ4	MM15	115
	3.7 - 18	780	81.92	20000	2.00						
	4.1 - 21	690	72.57	20000	2.2						
	4.7 - 24	605	63.68*	20000	2.6						
	5.0 - 25	575	60.35*	20000	2.7						
	3.7 - 18	780	81.80	10300	1.05						
	3.9 - 19	735	77.24	10600	1.10						
	4.6 - 23	625	65.77	11400	1.30						
	5.2 - 26	550	57.68	11800	1.50						
	5.8 - 29	495	52.07	12100	1.65	R	77	DRU	90LJ4	MM15	52
	6.6 - 33	435	45.81	12300	1.85	RF	77	DRU	90LJ4	MM15	58
	6.9 - 35	410	43.26	12400	2.00	RM	77	DRU	90LJ4	MM15	83
	8.1 - 41	350	36.83	12700	2.3						
	9.0 - 45	315	33.47	12700	2.6						
	10 - 52	275	29.00	12300	3.0						
	12 - 59	240	25.23	11800	3.2						
	13 - 64	220	23.37	11600	3.7	R	77	DRU	90LJ4	MM15	51
	14 - 70	200	21.43	11300	4.0	RF	77	DRU	90LJ4	MM15	57
						RM	77	DRU	90LJ4	MM15	82



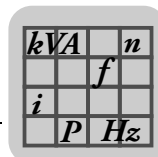
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	4.9 - 24	580	61.26	7740	1.05						
	5.8 - 29	490	51.56	8650	1.20						
	6.5 - 32	440	46.29	9050	1.35	R	67	DRU	90LJ4	MM15	46
	7.5 - 38	380	39.88*	9460	1.50	RF	67	DRU	90LJ4	MM15	49
	8.0 - 40	355	37.50	9590	1.60	RM	67	DRU	90LJ4	MM15	65
	9.3 - 46	305	32.27	9850	1.75						
	10 - 52	275	28.83	9890	1.90						
	13 - 64	220	23.44	9340	2.5	R	67	DRU	90LJ4	MM15	45
						RF	67	DRU	90LJ4	MM15	48
						RM	67	DRU	90LJ4	MM15	64
	6.2 - 31	460	48.23	5960	1.00						
	6.9 - 35	410	43.30	5860	1.10						
	8.0 - 40	355	37.30*	5710	1.25	R	57	DRU	90LJ4	MM15	40
	8.6 - 43	330	35.07	5640	1.35	RF	57	DRU	90LJ4	MM15	43
	9.9 - 50	285	30.18	5470	1.55	RM	57	DRU	90LJ4	MM15	55
	11 - 56	255	26.97	5340	1.75						
	14 - 68	205	21.93	5100	2.2	R	57	DRU	90LJ4	MM15	39
	16 - 81	178	18.60*	4900	2.5	RF	57	DRU	90LJ4	MM15	42
	18 - 89	160	16.79	4780	2.8	RM	57	DRU	90LJ4	MM15	54
	20 - 102	141	14.77*	4620	3.1						
	10 - 50	285	29.88	4180	1.05	R	47	DRU	90LJ4	MM15	34
	11 - 56	250	26.70	4090	1.20	RF	47	DRU	90LJ4	MM15	34
	13 - 64	225	23.59	4000	1.35						
	16 - 78	184	19.27	3840	1.60						
	18 - 92	155	16.22	3690	1.80						
	21 - 103	139	14.56	3600	1.90	R	47	DRU	90LJ4	MM15	34
	24 - 120	120	12.54	3470	2.1	RF	47	DRU	90LJ4	MM15	34
	25 - 127	113	11.79	3420	2.2						
	30 - 148	97	10.15	3280	2.4						
	33 - 165	87	9.07	3190	2.5						
	19 - 96	149	15.60	3280	1.35						
	23 - 113	127	13.25	3300	1.50						
	25 - 127	113	11.83	3220	1.60						
	30 - 148	97	10.11	3110	1.75	R	37	DRU	90LJ4	MM15	30
	32 - 158	90	9.47	3060	1.85	RF	37	DRU	90LJ4	MM15	31
	38 - 188	76	7.97	2940	2.0						
	45 - 225	64	6.67	2780	2.3						
	53 - 265	54	5.67	2660	2.6						
	59 - 297	48	5.06	2580	2.8						
	23 - 113	127	13.28*	2090	1.05						
	25 - 127	113	11.86	2060	1.15						
	30 - 148	97	10.13	2000	1.25						
	46 - 228	63	6.59	1790	1.70	R	27	DRU	90LJ4	MM15	24
	54 - 268	53	5.60*	1730	1.85	RF	27	DRU	90LJ4	MM15	24
	60 - 300	48	5.00*	1690	2.00						
	70 - 351	41	4.27	1630	2.1						
	75 - 375	38	4.00*	1600	2.2						
	89 - 445	32	3.37	1530	2.5						
	63 - 317	45	4.73	5200	2.7	RX	77	DRU	90LJ4	MM15	43
						RXF	77	DRU	90LJ4	MM15	45
	80 - 398	36	3.77	3330	2.4						
	94 - 469	31	3.20*	3180	3.3	RX	67	DRU	90LJ4	MM15	33
	104 - 519	28	2.89	3080	3.8	RXF	67	DRU	90LJ4	MM15	37



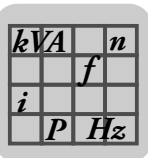
R..DR..J..MM..

R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	96 - 478	30	3.14	2520	2.2						
	114 - 568	25	2.64*	2400	2.7						
	127 - 633	23	2.37	2320	3.0						
	147 - 735	20	2.04	2220	3.5	RX	57	DRU	90LJ4	MM15	30
	156 - 781	18	1.92*	2180	3.8	RXF	57	DRU	90LJ4	MM15	32
	182 - 908	16	1.65	2080	4.4						
	203 - 1015	14	1.48	2020	4.8						
	230 - 1150	12	1.30	1940	5.1						
2.2	1.6 - 8.0	2600	186.30	23500	1.15						
	1.8 - 8.8	2380	170.02	24700	1.25						
	2.0 - 10.0	2110	150.78	25900	1.40						
	2.4 - 12	1770	126.75	27200	1.70	R	97	DRU	100MJ4	MM22	125
	2.6 - 13	1630	116.48	27500	1.85	RF	97	DRU	100MJ4	MM22	140
	2.9 - 14	1440	103.44	27700	2.1	RM	97	DRU	100MJ4	MM22	195
	3.2 - 16	1290	92.48	27900	2.3						
	3.6 - 18	1160	83.15	28100	2.6						
	4.2 - 21	1010	72.17	28000	3.0						
	4.6 - 23	910	65.21	27200	3.3						
	2.4 - 12	1750	124.97	15400	0.90						
	2.5 - 13	1650	118.43*	16100	0.95						
	2.9 - 14	1450	103.65	17600	1.05						
	3.2 - 16	1300	93.38	18400	1.20						
	3.7 - 18	1140	81.92	19200	1.35	R	87	DRU	100MJ4	MM22	84
	4.1 - 21	1010	72.57	19800	1.55	RF	87	DRU	100MJ4	MM22	91
	4.7 - 24	890	63.68*	20000	1.75	RM	87	DRU	100MJ4	MM22	120
	5.0 - 25	840	60.35*	20000	1.85						
	5.7 - 28	735	52.82	20000	2.1						
	6.3 - 32	665	47.58	20000	2.3						
	7.2 - 36	580	41.74	19500	2.6						
	4.6 - 23	920	65.77	8870	0.90						
	5.2 - 26	800	57.68	10000	1.00						
	5.8 - 29	725	52.07	10700	1.10						
	6.6 - 33	640	45.81	11300	1.30	R	77	DRU	100MJ4	MM22	57
	6.9 - 35	605	43.26	11500	1.35	RF	77	DRU	100MJ4	MM22	63
	8.1 - 41	515	36.83	12000	1.60	RM	77	DRU	100MJ4	MM22	88
	9.0 - 45	465	33.47	12200	1.75						
	10 - 52	405	29.00	11900	2.0						
	12 - 59	350	25.23	11500	2.2						
	13 - 64	325	23.37	11200	2.5	R	77	DRU	100MJ4	MM22	56
	14 - 70	300	21.43	11000	2.7	RF	77	DRU	100MJ4	MM22	62
	16 - 80	260	18.80	10600	3.0	RM	77	DRU	100MJ4	MM22	87
	17 - 84	245	17.82*	10400	3.1						
	7.5 - 38	555	39.88*	8020	1.05	R	67	DRU	100MJ4	MM22	51
	8.0 - 40	525	37.50	8350	1.10	RF	67	DRU	100MJ4	MM22	54
	9.3 - 46	450	32.27	8970	1.20	RM	67	DRU	100MJ4	MM22	70
	10 - 52	400	28.83	9310	1.30						
	15 - 75	275	19.89	8620	2.2						
	17 - 84	250	17.95	8390	2.4	R	67	DRU	100MJ4	MM22	50
	19 - 95	220	15.79	8100	2.5	RF	67	DRU	100MJ4	MM22	53
	20 - 101	205	14.91	7980	2.6	RM	67	DRU	100MJ4	MM22	69
	24 - 118	178	12.70	7630	2.9						
	26 - 130	162	11.54	7420	3.1						
	8.6 - 43	490	35.07	5080	0.90	R	57	DRU	100MJ4	MM22	44
	9.9 - 50	420	30.18	4990	1.05	RF	57	DRU	100MJ4	MM22	48
	11 - 56	375	26.97	4910	1.20	RM	57	DRU	100MJ4	MM22	60



P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	16 - 81	260	18.60*	4600	1.75						
	18 - 89	235	16.79	4510	1.90						
	20 - 102	205	14.77*	4390	2.1						
	22 - 108	195	13.95*	4330	2.2	R	57	DRU	100MJ4	MM22	43
	25 - 126	166	11.88	4170	2.4	RF	57	DRU	100MJ4	MM22	47
	28 - 139	151	10.79	4080	2.6	RM	57	DRU	100MJ4	MM22	59
	32 - 160	131	9.35	3930	2.8						
	33 - 166	127	9.06	3920	3.0						
	18 - 92	225	16.22	3430	1.20						
	21 - 103	200	14.56	3360	1.30						
	24 - 120	176	12.54	3260	1.40						
	25 - 127	165	11.79	3220	1.50						
	30 - 148	142	10.15	3120	1.60	R	47	DRU	100MJ4	MM22	39
	33 - 165	127	9.07	3040	1.75	RF	47	DRU	100MJ4	MM22	39
	37 - 187	112	8.01	2950	1.85						
	39 - 193	109	7.76*	2870	1.50						
	43 - 215	98	6.96	2800	1.65						
	50 - 250	84	6.00	2700	1.85						
	53 - 266	79	5.64*	2660	1.95						
	23 - 113	186	13.25	1840	1.00						
	25 - 127	166	11.83	2140	1.10						
	30 - 148	142	10.11	2480	1.20						
	32 - 158	133	9.47	2590	1.25						
	38 - 188	112	7.97	2770	1.40	R	37	DRU	100MJ4	MM22	35
	53 - 265	79	5.67	2530	1.80	RF	37	DRU	100MJ4	MM22	36
	59 - 297	71	5.06	2470	1.90						
	69 - 347	61	4.32	2380	2.1						
	74 - 371	57	4.05	2340	2.2						
	88 - 440	48	3.41	2240	2.4						
	54 - 268	78	5.60*	1480	1.25						
	60 - 300	70	5.00*	1560	1.35	R	27	DRU	100MJ4	MM22	29
	70 - 351	60	4.27	1520	1.45	RF	27	DRU	100MJ4	MM22	29
	75 - 375	56	4.00*	1500	1.50						
	89 - 445	47	3.37	1450	1.65						
	74 - 371	57	4.04*	4860	2.5						
	81 - 405	52	3.70	4740	3.0	RX	77	DRU	100MJ4	MM22	47
	92 - 462	46	3.25*	4550	4.0	RXF	77	DRU	100MJ4	MM22	50
	97 - 487	43	3.08*	4480	4.5						
	94 - 469	45	3.20*	3080	2.2						
	104 - 519	40	2.89	3000	2.6	RX	67	DRU	100MJ4	MM22	37
	118 - 590	36	2.54	2890	3.3	RXF	67	DRU	100MJ4	MM22	41
	125 - 625	34	2.40*	2840	3.7						
	114 - 568	37	2.64*	2310	1.85						
	127 - 633	33	2.37	2240	2.1						
	147 - 735	29	2.04	2150	2.4						
	156 - 781	27	1.92*	2120	2.6	RX	57	DRU	100MJ4	MM22	35
	182 - 908	23	1.65	2030	3.0	RXF	57	DRU	100MJ4	MM22	37
	203 - 1015	21	1.48	1960	3.3						
	230 - 1150	18	1.30	1890	3.4						



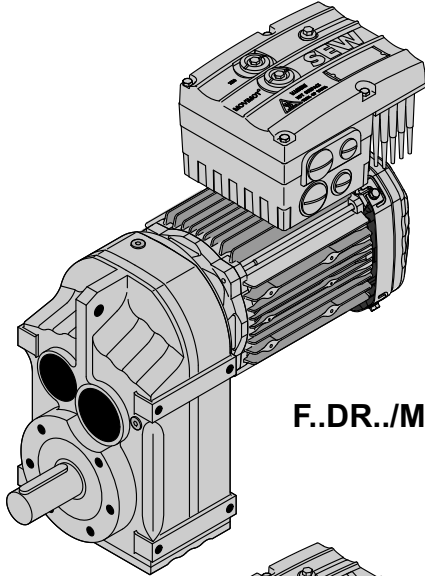
R..DR..J..MM..

R..DRU..J..MM.. [1:5, 300 – 1500 1/min]

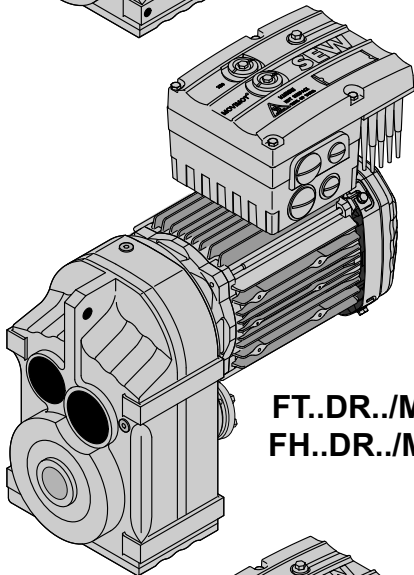
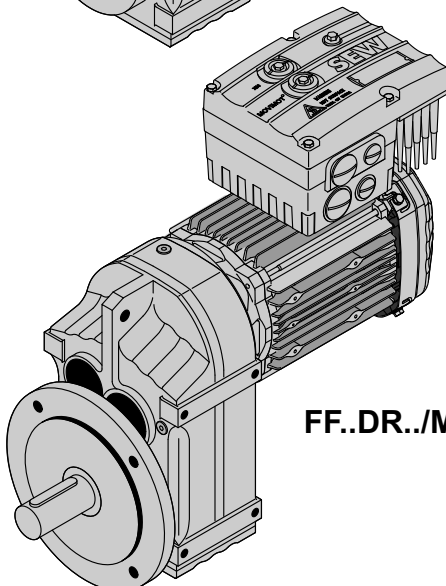
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	2.0 - 10.0	2870	150.78	21800	1.05						
	2.4 - 12	2420	126.75	24500	1.25						
	2.6 - 13	2220	116.48	25400	1.35						
	2.9 - 14	1970	103.44	26500	1.50						
	3.2 - 16	1760	92.48	27200	1.70	R	97	DRU	100LJ4	MM30	130
	3.6 - 18	1580	83.15	27500	1.90	RF	97	DRU	100LJ4	MM30	145
	4.2 - 21	1370	72.17	27300	2.2	RM	97	DRU	100LJ4	MM30	195
	4.6 - 23	1240	65.21	26500	2.4						
	5.0 - 25	1140	59.92	25900	2.6						
	5.6 - 28	1010	53.21	25100	3.0						
	6.3 - 32	900	47.58	24300	3.3						
	3.7 - 18	1560	81.92	16800	1.00						
	4.7 - 24	1210	63.68*	18900	1.25						
	5.0 - 25	1150	60.35*	19200	1.35						
	5.7 - 28	1000	52.82	19800	1.55	R	87	DRU	100LJ4	MM30	87
	6.3 - 32	900	47.58	19700	1.70	RF	87	DRU	100LJ4	MM30	94
	7.2 - 36	795	41.74	19000	1.95	RM	87	DRU	100LJ4	MM30	125
	8.1 - 41	700	36.84*	18400	2.2						
	9.2 - 46	620	32.66*	17800	2.5						
	11 - 54	530	27.88	17000	2.8						
	11 - 54	530	27.84*	17000	2.9	R	87	DRU	100LJ4	MM30	85
	13 - 64	445	23.40	16200	3.5	RF	87	DRU	100LJ4	MM30	92
						RM	87	DRU	100LJ4	MM30	120
	6.6 - 33	870	45.81	9380	0.95						
	6.9 - 35	820	43.26	9860	1.00						
	8.1 - 41	700	36.83	10900	1.15	R	77	DRU	100LJ4	MM30	60
	9.0 - 45	635	33.47	11300	1.30	RF	77	DRU	100LJ4	MM30	66
	10 - 52	550	29.00	11500	1.50	RM	77	DRU	100LJ4	MM30	91
	12 - 59	480	25.23	11100	1.60						
	16 - 80	355	18.80	10300	2.2						
	17 - 84	340	17.82*	10200	2.3	R	77	DRU	100LJ4	MM30	59
	19 - 96	295	15.60	9800	2.5	RF	77	DRU	100LJ4	MM30	65
	21 - 107	265	14.05	9520	2.7	RM	77	DRU	100LJ4	MM30	90
	24 - 122	235	12.33	9170	2.9						
	67 - 333	86	4.50*	6300	3.4	RX	87	DRU	100LJ4	MM30	67
	79 - 397	72	3.78	5980	4.2	RXF	87	DRU	100LJ4	MM30	72
	92 - 462	62	3.25*	4460	2.9						
	97 - 487	59	3.08*	4390	3.3	RX	77	DRU	100LJ4	MM30	50
	111 - 556	51	2.70	4220	4.2	RXF	77	DRU	100LJ4	MM30	53

5 F..DR..J..MM..

MM03 – MM15

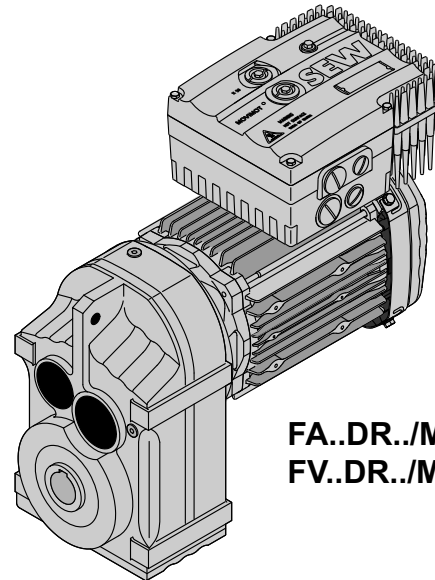
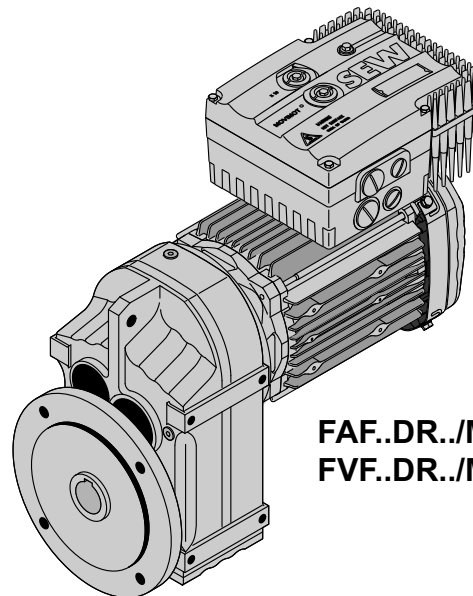


F..DR../MM..

FT..DR../MM..
FH..DR../MM..

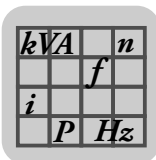
FF..DR../MM..

MM22 – MM30

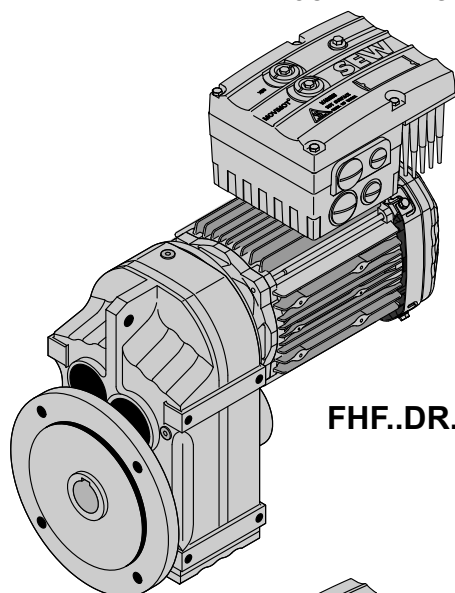
FA..DR../MM..
FV..DR../MM..FAF..DR../MM..
FVF..DR../MM..

5

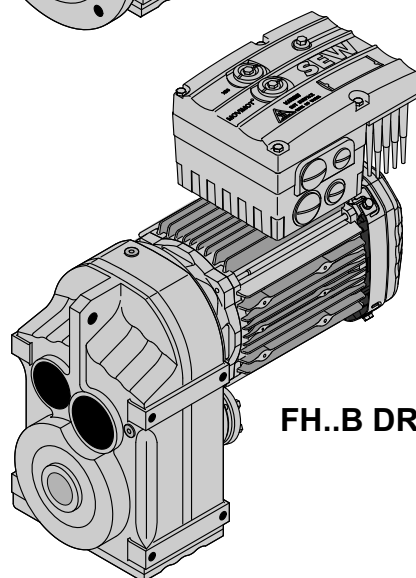
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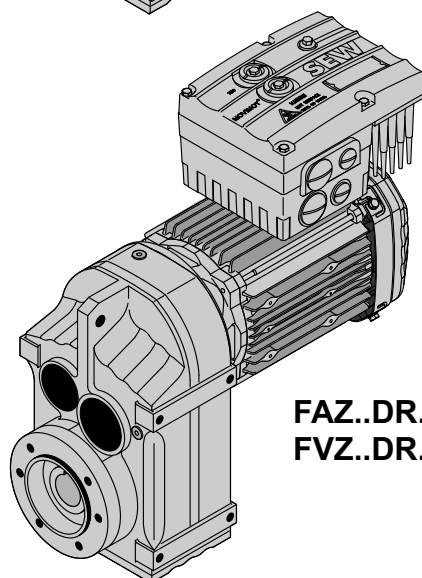
MM03 – MM15



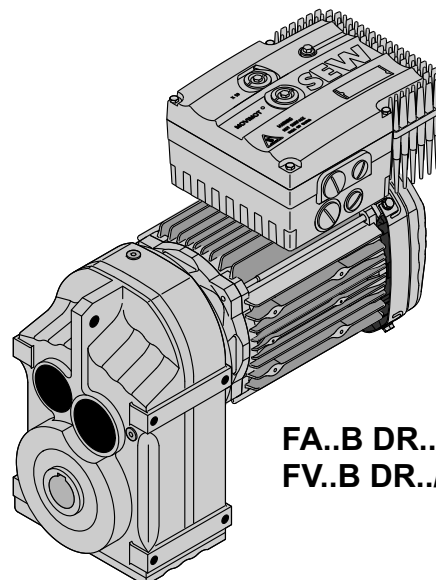
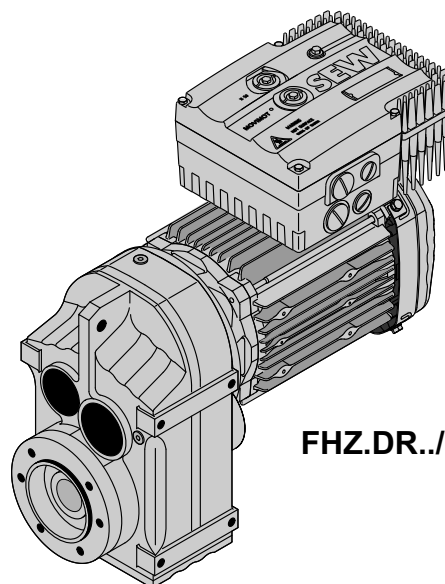
FHF..DR../MM..



FH..B DR../MM..

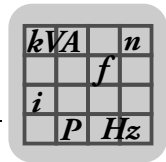
FAZ..DR../MM..
FVZ..DR../MM..

MM22 – MM30

FA..B DR../MM..
FV..B DR../MM..

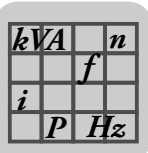
FHZ.DR../MM..

5930982795



5.1 F..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

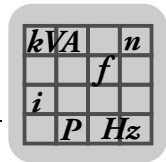
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.55	1.3 - 11	460	228.99	12600	1.80	FA	67	DRE	71SJ4	MM05	34
	1.5 - 13	390	195.39	12800	2.1	FAF	67	DRE	71SJ4	MM05	41
	1.8 - 15	340	170.85	13000	2.4	F	67	DRE	71SJ4	MM05	37
	1.8 - 16	325	162.31	13000	2.5	FF	67	DRE	71SJ4	MM05	43
	1.5 - 13	400	199.70	10600	1.50						
	1.6 - 14	365	183.60	10800	1.60	FA	57	DRE	71SJ4	MM05	31
	1.9 - 17	315	157.09	11100	1.90	FAF	57	DRE	71SJ4	MM05	36
	2.2 - 19	270	136.16	11300	2.2	F	57	DRE	71SJ4	MM05	31
	2.4 - 21	255	127.27	11400	2.3	FF	57	DRE	71SJ4	MM05	37
	2.7 - 24	220	110.01	11500	2.7						
	1.6 - 14	380	190.76	6140	1.05						
	1.7 - 15	350	175.38	6520	1.15						
	2.0 - 17	300	150.06	7040	1.30	FA	47	DRE	71SJ4	MM05	23
	2.3 - 20	260	130.07	7370	1.55	FAF	47	DRE	71SJ4	MM05	26
	2.5 - 21	240	121.57	7500	1.65	F	47	DRE	71SJ4	MM05	24
	2.8 - 25	210	105.09	7710	1.90	FF	47	DRE	71SJ4	MM05	27
	3.4 - 29	180	89.29	7880	2.2						
	3.8 - 33	160	79.72	7960	2.5						
	2.3 - 20	255	128.51	0	0.75						
	2.6 - 22	235	117.88	3670	0.85						
	3.0 - 26	200	100.36	4270	1.00						
	3.5 - 30	174	86.53	4630	1.15						
	3.7 - 32	162	80.65	4760	1.25						
	4.3 - 37	142	70.50	4950	1.40						
	4.5 - 39	133	66.09	5030	1.50	FA	37	DRE	71SJ4	MM05	19
	5.1 - 45	117	58.32	4950	1.70	FAF	37	DRE	71SJ4	MM05	20
	5.5 - 48	110	54.54	4880	1.80	F	37	DRE	71SJ4	MM05	19
	5.8 - 50	104	51.70	4830	1.90	FF	37	DRE	71SJ4	MM05	21
	6.4 - 56	95	47.02	4730	2.1						
	6.8 - 60	88	43.83	4650	2.3						
	7.8 - 68	77	38.31	4510	2.6						
	8.4 - 73	72	35.91	4440	2.8						
	9.5 - 82	64	31.69	4300	3.1						
	11 - 93	57	28.09	4170	3.5						
	13 - 110	48	23.63	3990	4.2						
	15 - 127	41	20.57	3840	4.8						
	16 - 135	39	19.27	3770	5.2						
	18 - 153	34	17.03	3640	5.8						
	19 - 165	32	15.81	3570	6.3						
	21 - 182	29	14.33	3470	6.9						
	23 - 203	26	12.87	3360	7.7	FA	37	DRE	71SJ4	MM05	18
	27 - 235	22	11.08	3220	8.5	FAF	37	DRE	71SJ4	MM05	20
	29 - 250	21	10.42	3160	8.8	F	37	DRE	71SJ4	MM05	19
	33 - 291	18	8.97	3020	9.7	FF	37	DRE	71SJ4	MM05	21
	40 - 351	15	7.44	2840	9.7						
	45 - 387	14	6.74	2760	10						
	50 - 431	12	6.05	2670	11						
	58 - 501	10	5.21	2550	12						
	61 - 533	9.9	4.90	2500	12						
	71 - 619	8.5	4.22	2390	13						



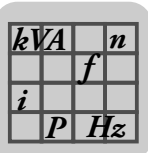
F..DR..J..MM..

F..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	3.9 - 34	155	77.21	3430	0.85						
	4.2 - 36	146	72.37	3420	0.90						
	4.7 - 41	129	63.86	3380	1.00						
	5.3 - 46	114	56.62	3330	1.15	FA	27	DRE	71SJ4	MM05	12
	6.0 - 52	101	50.19	3270	1.30	FAF	27	DRE	71SJ4	MM05	13
	6.4 - 56	94	46.78	3240	1.40	F	27	DRE	71SJ4	MM05	13
	7.3 - 64	82	40.89	3160	1.60	FF	27	DRE	71SJ4	MM05	14
	7.8 - 68	77	38.33	3120	1.70						
	8.9 - 77	68	33.83	3050	1.90						
	10 - 88	59	29.56	2960	2.2						
	11 - 96	55	27.18	2910	2.4						
	13 - 112	47	23.25	2810	2.8						
	15 - 130	41	20.15	2710	3.2						
	16 - 139	38	18.84	2670	3.4						
	18 - 160	33	16.28	2570	4.0						
	22 - 189	28	13.84	2460	4.7						
	24 - 211	25	12.35	2390	5.2	FA	27	DRE	71SJ4	MM05	12
	28 - 247	21	10.55	2290	6.1	FAF	27	DRE	71SJ4	MM05	13
	30 - 264	20	9.88	2250	6.5	F	27	DRE	71SJ4	MM05	13
	32 - 278	19	9.40	2200	6.9	FF	27	DRE	71SJ4	MM05	14
	37 - 321	16	8.13	2110	7.5						
	43 - 378	14	6.91	2020	8.2						
	49 - 423	12	6.17	1950	8.8						
	57 - 496	11	5.27	1860	9.4						
	61 - 529	9.9	4.93	1820	9.7						
	72 - 628	8.4	4.16	1730	10						
0.75	1.3 - 12	615	225.79	19500	2.4	FA	77	DRE	71MJ4	MM07	60
	1.5 - 13	540	198.31	19600	2.8	FAF	77	DRE	71MJ4	MM07	66
	1.6 - 14	515	188.40	19700	2.9	F	77	DRE	71MJ4	MM07	64
	1.8 - 16	455	166.47	19800	3.3	FF	77	DRE	71MJ4	MM07	74
	1.5 - 13	535	195.39	12200	1.55						
	1.8 - 15	465	170.85	12500	1.75	FA	67	DRE	71MJ4	MM07	37
	1.8 - 16	445	162.31	12600	1.85	FAF	67	DRE	71MJ4	MM07	43
	2.1 - 18	390	142.40	12800	2.1	F	67	DRE	71MJ4	MM07	40
	2.5 - 22	330	120.79	13000	2.5	FF	67	DRE	71MJ4	MM07	46
	2.8 - 24	295	109.04	13000	2.7						
	1.9 - 17	430	157.09	10400	1.40						
	2.2 - 19	370	136.16	10700	1.60	FA	57	DRE	71MJ4	MM07	33
	2.4 - 21	345	127.27	10900	1.70	FAF	57	DRE	71MJ4	MM07	39
	2.7 - 24	300	110.01	11100	2.00	F	57	DRE	71MJ4	MM07	33
	3.2 - 28	255	93.47	11400	2.3	FF	57	DRE	71MJ4	MM07	40
	3.6 - 31	225	83.46	11400	2.6						
	4.1 - 36	200	72.98	11000	3.0						
	2.0 - 17	410	150.06	5280	0.95						
	2.3 - 20	355	130.07	6480	1.10						
	2.5 - 21	330	121.57	6740	1.20	FA	47	DRE	71MJ4	MM07	25
	2.8 - 25	285	105.09	7160	1.40	FAF	47	DRE	71MJ4	MM07	27
	3.4 - 29	245	89.29	7500	1.65	F	47	DRE	71MJ4	MM07	25
	3.8 - 33	215	79.72	7660	1.85	FF	47	DRE	71MJ4	MM07	29
	4.4 - 38	187	68.09	7840	2.1						
	4.6 - 40	179	65.36	7860	2.2						



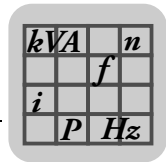
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	3.0 - 26	275	100.36	0	0.75						
	3.5 - 30	235	86.53	3660	0.85						
	3.7 - 32	220	80.65	3960	0.90						
	4.3 - 37	193	70.50	4380	1.05						
	4.5 - 39	181	66.09	4540	1.10						
	5.1 - 45	160	58.32	4600	1.25						
	5.5 - 48	150	54.54	4550	1.35	FA	37	DRE	71MJ4	MM07	20
	5.8 - 50	142	51.70	4520	1.40	FAF	37	DRE	71MJ4	MM07	21
	6.4 - 56	129	47.02	4440	1.55	F	37	DRE	71MJ4	MM07	20
	6.8 - 60	120	43.83	4390	1.65	FF	37	DRE	71MJ4	MM07	22
	7.8 - 68	105	38.31	4280	1.90						
	8.4 - 73	99	35.91	4220	2.0						
	9.5 - 82	87	31.69	4110	2.3						
	11 - 93	77	28.09	4000	2.6						
	13 - 109	66	23.88	3850	3.0						
	13 - 110	65	23.63	3840	3.1						
	15 - 127	56	20.57	3720	3.5						
	16 - 135	53	19.27	3660	3.8						
	18 - 153	47	17.03	3540	4.3						
	19 - 165	43	15.81	3470	4.6						
	21 - 182	39	14.33	3380	5.1						
	23 - 203	35	12.87	3280	5.7						
	27 - 235	30	11.08	3150	6.2	FA	37	DRE	71MJ4	MM07	20
	29 - 250	29	10.42	3100	6.5	FAF	37	DRE	71MJ4	MM07	21
	33 - 291	25	8.97	2970	7.1	F	37	DRE	71MJ4	MM07	20
	37 - 326	22	8.01	2870	7.7	FF	37	DRE	71MJ4	MM07	22
	40 - 351	20	7.44	2790	7.1						
	45 - 387	18	6.74	2710	7.6						
	50 - 431	17	6.05	2630	8.1						
	58 - 501	14	5.21	2520	8.7						
	61 - 533	13	4.90	2470	8.9						
	71 - 619	12	4.22	2360	9.5						
	80 - 693	10	3.77	2280	10						
	5.3 - 46	155	56.62	2960	0.85						
	6.0 - 52	138	50.19	2940	0.95	FA	27	DRE	71MJ4	MM07	14
	6.4 - 56	128	46.78	2930	1.00	FAF	27	DRE	71MJ4	MM07	14
	7.3 - 64	112	40.89	2900	1.15	F	27	DRE	71MJ4	MM07	14
	7.8 - 68	105	38.33	2880	1.25	FF	27	DRE	71MJ4	MM07	15
	8.9 - 77	93	33.83	2830	1.40						
	13 - 112	64	23.25	2660	2.0						
	15 - 130	55	20.15	2580	2.4						
	16 - 139	52	18.84	2550	2.5						
	18 - 160	45	16.28	2470	2.9						
	22 - 189	38	13.84	2380	3.4						
	24 - 211	34	12.35	2310	3.8	FA	27	DRE	71MJ4	MM07	13
	28 - 247	29	10.55	2220	4.5	FAF	27	DRE	71MJ4	MM07	14
	30 - 264	27	9.88	2180	4.8	F	27	DRE	71MJ4	MM07	14
	32 - 278	26	9.40	2130	5.0	FF	27	DRE	71MJ4	MM07	15
	37 - 321	22	8.13	2050	5.5						
	43 - 378	19	6.91	1960	6.0						
	49 - 423	17	6.17	1900	6.4						
	57 - 496	14	5.27	1820	6.9						
	61 - 529	14	4.93	1790	7.1						
	72 - 628	11	4.16	1700	7.6						
1.1	1.1 - 9.6	1080	270.68	28800	2.8	FA	87	DRE	71MJ4	MM11	99
	1.2 - 10	1020	255.37	28900	2.9	FAF	87	DRE	71MJ4	MM11	110
	1.3 - 11	920	228.93	29100	3.3	F	87	DRE	71MJ4	MM11	105
	1.5 - 13	790	197.20	29400	3.8	FF	87	DRE	71MJ4	MM11	120



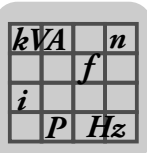
F..DR..J..MM..

F..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	1.3 - 12	900	225.79	18600	1.65						
	1.5 - 13	795	198.31	19000	1.90						
	1.6 - 14	755	188.40	19100	2.00	FA	77	DRE	71MJ4	MM11	60
	1.8 - 16	665	166.47	19300	2.2	FAF	77	DRE	71MJ4	MM11	66
	2.1 - 18	570	142.27	19600	2.6	F	77	DRE	71MJ4	MM11	64
	2.3 - 20	520	130.42	19700	2.9	FF	77	DRE	71MJ4	MM11	74
	2.6 - 23	460	114.45	19800	3.3						
	1.5 - 13	785	195.39	10600	1.05						
	1.8 - 15	685	170.85	11400	1.20						
	1.8 - 16	650	162.31	11600	1.25						
	2.1 - 18	570	142.40	12000	1.45	FA	67	DRE	71MJ4	MM11	37
	2.5 - 22	485	120.79	12500	1.70	FAF	67	DRE	71MJ4	MM11	43
	2.8 - 24	435	109.04	12700	1.85	F	67	DRE	71MJ4	MM11	40
	3.1 - 27	385	95.94	12900	2.1	FF	67	DRE	71MJ4	MM11	46
	3.3 - 29	360	90.59	12900	2.2						
	3.8 - 33	320	79.76	13000	2.6						
	4.4 - 39	270	67.65	13000	3.0						
	1.9 - 17	630	157.09	8010	0.95						
	2.2 - 19	545	136.16	9590	1.10						
	2.4 - 21	510	127.27	9840	1.15						
	2.7 - 24	440	110.01	10300	1.35	FA	57	DRE	71MJ4	MM11	33
	3.2 - 28	375	93.47	10700	1.60	FAF	57	DRE	71MJ4	MM11	39
	3.6 - 31	335	83.46	10700	1.80	F	57	DRE	71MJ4	MM11	33
	4.1 - 36	290	72.98	10400	2.0	FF	57	DRE	71MJ4	MM11	40
	4.4 - 38	270	68.22	10300	2.2						
	5.1 - 44	235	58.97	9920	2.5						
	6.0 - 52	200	50.10	9540	3.0						
	2.8 - 25	420	105.09	3880	0.95						
	3.4 - 29	355	89.29	6450	1.10						
	3.8 - 33	320	79.72	6860	1.25	FA	47	DRE	71MJ4	MM11	25
	4.4 - 38	270	68.09	7280	1.45	FAF	47	DRE	71MJ4	MM11	27
	4.6 - 40	260	65.36	7290	1.50	F	47	DRE	71MJ4	MM11	25
	5.3 - 46	225	56.49	7100	1.75	FF	47	DRE	71MJ4	MM11	29
	6.2 - 54	193	48.00*	6880	2.1						
	7.0 - 61	172	42.86	6720	2.3						
	8.2 - 71	147	36.61	6480	2.7						
	4.5 - 39	265	66.09	0	0.75						
	5.1 - 45	230	58.32	3720	0.85						
	5.5 - 48	215	54.54	3980	0.90						
	5.8 - 50	205	51.70	3970	0.95	FA	37	DRE	71MJ4	MM11	20
	6.4 - 56	189	47.02	3950	1.05	FAF	37	DRE	71MJ4	MM11	21
	6.8 - 60	176	43.83	3930	1.15	F	37	DRE	71MJ4	MM11	20
	7.8 - 68	154	38.31	3870	1.30	FF	37	DRE	71MJ4	MM11	22
	8.4 - 73	145	35.91	3840	1.40						
	9.5 - 82	128	31.69	3780	1.55						
	11 - 93	113	28.09	3710	1.75						
	13 - 109	96	23.88	3600	2.1						



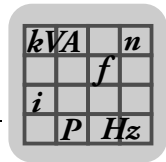
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	13 - 110	95	23.63	3600	2.1						
	15 - 127	83	20.57	3500	2.4						
	16 - 135	78	19.27	3450	2.6						
	18 - 153	69	17.03	3360	2.9						
	19 - 165	64	15.81	3300	3.1						
	21 - 182	58	14.33	3230	3.5						
	23 - 203	52	12.87	3150	3.9						
	27 - 235	45	11.08	3030	4.3	FA	37	DRE	71MJ4	MM11	20
	29 - 250	42	10.42	2990	4.4	FAF	37	DRE	71MJ4	MM11	21
	33 - 291	36	8.97	2870	4.8	F	37	DRE	71MJ4	MM11	20
	37 - 326	32	8.01	2790	5.3	FF	37	DRE	71MJ4	MM11	22
	40 - 351	30	7.44	2700	4.8						
	45 - 387	27	6.74	2640	5.2						
	50 - 431	24	6.05	2560	5.5						
	58 - 501	21	5.21	2450	6.0						
	61 - 533	20	4.90	2410	6.1						
	71 - 619	17	4.22	2310	6.5						
	80 - 693	15	3.77	2240	6.9						
	7.3 - 64	165	40.89	2430	0.80	FA	27	DRE	71MJ4	MM11	14
	7.8 - 68	154	38.33	2440	0.85	FAF	27	DRE	71MJ4	MM11	14
	8.9 - 77	136	33.83	2440	0.95	F	27	DRE	71MJ4	MM11	14
						FF	27	DRE	71MJ4	MM11	15
	13 - 112	94	23.25	2390	1.40						
	15 - 130	81	20.15	2350	1.60						
	16 - 139	76	18.84	2330	1.70						
	18 - 160	66	16.28	2280	2.00						
	22 - 189	56	13.84	2220	2.3						
	24 - 211	50	12.35	2170	2.6						
	28 - 247	42	10.55	2100	3.1	FA	27	DRE	71MJ4	MM11	13
	30 - 264	40	9.88	2070	3.3	FAF	27	DRE	71MJ4	MM11	14
	32 - 278	38	9.40	2010	3.4	F	27	DRE	71MJ4	MM11	14
	37 - 321	33	8.13	1950	3.8	FF	27	DRE	71MJ4	MM11	15
	43 - 378	28	6.91	1880	4.1						
	49 - 423	25	6.17	1830	4.4						
	57 - 496	21	5.27	1760	4.7						
	61 - 529	20	4.93	1730	4.8						
	72 - 628	17	4.16	1650	5.2						
1.5	1.1 - 9.6	1480	270.68	27900	2.0	FA	87	DRE	80SJ4	MM15	100
	1.2 - 10	1400	255.37	28100	2.1	FAF	87	DRE	80SJ4	MM15	115
	1.3 - 11	1250	228.93	28400	2.4	F	87	DRE	80SJ4	MM15	110
	1.5 - 13	1080	197.20	28800	2.8	FF	87	DRE	80SJ4	MM15	125
	1.5 - 13	1080	198.31	18000	1.40						
	1.6 - 14	1030	188.40	18200	1.45						
	1.8 - 16	910	166.47	18600	1.65	FA	77	DRE	80SJ4	MM15	62
	2.1 - 18	780	142.27	19000	1.90	FAF	77	DRE	80SJ4	MM15	68
	2.3 - 20	715	130.42	19200	2.1	F	77	DRE	80SJ4	MM15	66
	2.6 - 23	625	114.45	19400	2.4	FF	77	DRE	80SJ4	MM15	76
	2.8 - 24	595	108.46*	19500	2.5						
	3.2 - 28	520	94.93	19700	2.9						



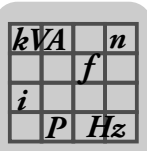
F..DR..J..MM..

F..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	1.8 - 15	930	170.85	8970	0.85	FA 67 FAF 67 F 67 FF 67	DRE 80SJ4	MM15			39
	1.8 - 16	890	162.31	9620	0.90						
	2.1 - 18	780	142.40	10600	1.05						
	2.5 - 22	660	120.79	11500	1.25						
	2.8 - 24	595	109.04	11900	1.35						
	3.1 - 27	525	95.94	12300	1.55						
	3.3 - 29	495	90.59	12400	1.65						
	3.8 - 33	435	79.76	12700	1.85						
	4.4 - 39	370	67.65	12900	2.2	FA 57 FAF 57 F 57 FF 57	DRE 80SJ4	MM15			35
	4.9 - 43	335	61.07	13000	2.4						
	2.2 - 19	745	136.16	0	0.80						
	2.4 - 21	695	127.27	0	0.85						
	2.7 - 24	600	110.01	9170	1.00						
	3.2 - 28	510	93.47	9840	1.15						
	3.6 - 31	455	83.46	10000	1.30						
	4.1 - 36	400	72.98	9790	1.50						
	4.4 - 38	370	68.22	9670	1.60	FA 47 FAF 47 F 47 FF 47	DRE 80SJ4	MM15			27
	5.1 - 44	320	58.97	9410	1.85						
	6.0 - 52	270	50.10	9100	2.2						
	6.7 - 58	245	44.73	8880	2.4						
	3.8 - 33	435	79.72	0	0.90						
	4.4 - 38	370	68.09	6280	1.05						
	4.6 - 40	355	65.36	6460	1.10						
	5.3 - 46	310	56.49	6540	1.30						
	6.2 - 54	260	48.00*	6400	1.50						
	7.0 - 61	235	42.86	6290	1.70	FA 47 FAF 47 F 47 FF 47	DRE 80SJ4	MM15			29
	8.2 - 71	200	36.61	6120	2.00						
	8.8 - 76	188	34.29	6040	2.1						
	10 - 90	159	28.88	5840	2.5						
	9.7 - 85	169	30.86	5920	2.4						
	10 - 89	161	29.32	5860	2.5						
	12 - 101	141	25.72	5700	2.8						
	14 - 120	120	21.82	5490	3.3						
	6.4 - 56	255	47.02	0	0.75	FA 37 FAF 37 F 37 FF 37	DRE 80SJ4	MM15			22
	6.8 - 60	240	43.83	3400	0.85						
	7.8 - 68	210	38.31	3410	0.95						
	8.4 - 73	197	35.91	3410	1.00						
	9.5 - 82	174	31.69	3400	1.15						
	11 - 93	154	28.09	3370	1.30						
	13 - 109	131	23.88	3310	1.55						
	15 - 127	113	20.57	3250	1.75	FA 37 FAF 37 F 37 FF 37	DRE 80SJ4	MM15			22
	16 - 135	106	19.27	3220	1.90						
	18 - 153	93	17.03	3160	2.1						
	19 - 165	87	15.81	3120	2.3						
	21 - 182	79	14.33	3060	2.5						
	23 - 203	71	12.87	2990	2.8						
	27 - 235	61	11.08	2900	3.1						
	29 - 250	57	10.42	2860	3.2						
	33 - 291	49	8.97	2760	3.6	FA 37 FAF 37 F 37 FF 37	DRE 80SJ4	MM15			23
	37 - 326	44	8.01	2690	3.9						
	40 - 351	41	7.44	2610	3.6						
	45 - 387	37	6.74	2540	3.8						
	50 - 431	33	6.05	2480	4.1						
	58 - 501	29	5.21	2380	4.4						
	61 - 533	27	4.90	2350	4.5						
	71 - 619	23	4.22	2250	4.8						
	80 - 693	21	3.77	2190	5.1						



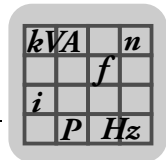
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	15 - 130	111	20.15	2090	1.20						
	16 - 139	103	18.84	2090	1.25						
	18 - 160	89	16.28	2070	1.45						
	22 - 189	76	13.84	2040	1.70						
	24 - 211	68	12.35	2010	1.90						
	28 - 247	58	10.55	1960	2.2	FA	27	DRE	80SJ4	MM15	15
	30 - 264	54	9.88	1940	2.4	FAF	27	DRE	80SJ4	MM15	16
	32 - 278	52	9.40	1880	2.5	F	27	DRE	80SJ4	MM15	16
	37 - 321	45	8.13	1830	2.8	FF	27	DRE	80SJ4	MM15	17
	43 - 378	38	6.91	1780	3.0						
	49 - 423	34	6.17	1740	3.2						
	57 - 496	29	5.27	1680	3.5						
	61 - 529	27	4.93	1660	3.6						
	72 - 628	23	4.16	1590	3.8						
2.2	1.8 - 16	1330	166.47	16700	1.10						
	2.1 - 18	1140	142.27	17700	1.30						
	2.3 - 20	1040	130.42	18100	1.45						
	2.6 - 23	920	114.45	18600	1.65						
	2.8 - 24	870	108.46*	18800	1.70	FA	77	DRE	80MJ4	MM22	65
	3.2 - 28	760	94.93	19100	1.95	FAF	77	DRE	80MJ4	MM22	71
	3.5 - 31	685	85.52	19300	2.2	F	77	DRE	80MJ4	MM22	68
	4.0 - 35	600	75.02	19500	2.5	FF	77	DRE	80MJ4	MM22	79
	4.1 - 36	580	72.50	19500	2.6						
	4.5 - 39	530	66.46	19600	2.8						
	5.1 - 45	465	58.32	19700	3.2						
	2.5 - 22	970	120.79	6220	0.85						
	2.8 - 24	870	109.04	9750	0.95						
	3.1 - 27	770	95.94	10700	1.05						
	3.3 - 29	725	90.59	11100	1.10	FA	67	DRE	80MJ4	MM22	42
	3.8 - 33	640	79.76	11600	1.30	FAF	67	DRE	80MJ4	MM22	48
	4.4 - 39	540	67.65	12200	1.50	F	67	DRE	80MJ4	MM22	45
	4.9 - 43	490	61.07	12400	1.65	FF	67	DRE	80MJ4	MM22	51
	5.6 - 49	430	53.73	12700	1.90						
	5.9 - 51	405	50.74	12800	2.0						
	6.9 - 60	345	43.20	13000	2.4						
	3.2 - 28	750	93.47	0	0.80						
	3.6 - 31	670	83.46	3570	0.90						
	4.1 - 36	585	72.98	8680	1.00						
	4.4 - 38	545	68.22	8640	1.10	FA	57	DRE	80MJ4	MM22	38
	5.1 - 44	470	58.97	8520	1.25	FAF	57	DRE	80MJ4	MM22	44
	6.0 - 52	400	50.10	8340	1.50	F	57	DRE	80MJ4	MM22	38
	6.7 - 58	360	44.73	8200	1.65	FF	57	DRE	80MJ4	MM22	45
	7.8 - 68	305	38.21	7980	1.95						
	8.4 - 73	285	35.79	7880	2.1						
	10.0 - 87	240	30.15	7620	2.4						
	10 - 87	240	29.94	7610	2.3	FA	57	DRE	80MJ4	MM22	37
	11 - 92	225	28.45	7530	2.3	FAF	57	DRE	80MJ4	MM22	43
	12 - 105	200	24.96	7320	2.9	F	57	DRE	80MJ4	MM22	38
	14 - 123	170	21.17	7040	3.5	FF	57	DRE	80MJ4	MM22	44
	5.3 - 46	450	56.49	0	0.90						
	6.2 - 54	385	48.00*	5560	1.05	FA	47	DRE	80MJ4	MM22	29
	7.0 - 61	340	42.86	5540	1.15	FAF	47	DRE	80MJ4	MM22	32
	8.2 - 71	290	36.61	5480	1.35	F	47	DRE	80MJ4	MM22	30
	8.8 - 76	275	34.29	5440	1.45	FF	47	DRE	80MJ4	MM22	33
	10 - 90	230	28.88	5330	1.70						



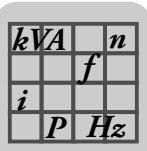
F..DR..J..MM..

F..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
2.2	12 - 101	205	25.72	5250	1.95	FA	47	DRE	80MJ4	MM22	29
	14 - 120	176	21.82	5100	2.3	FAF	47	DRE	80MJ4	MM22	31
	15 - 133	159	19.70	5010	2.5	F	47	DRE	80MJ4	MM22	29
	17 - 151	139	17.33	4880	2.9	FF	47	DRE	80MJ4	MM22	33
	9.5 - 82	255	31.69	1170	0.80	FA	37	DRE	80MJ4	MM22	25
	11 - 93	225	28.09	2780	0.90	FAF	37	DRE	80MJ4	MM22	26
	13 - 109	192	23.88	2810	1.05	F	37	DRE	80MJ4	MM22	25
						FF	37	DRE	80MJ4	MM22	27
	18 - 153	137	17.03	2800	1.45						
	21 - 182	115	14.33	2760	1.75						
	23 - 203	104	12.87	2720	1.95						
	27 - 235	89	11.08	2670	2.1						
	29 - 250	84	10.42	2640	2.2						
	33 - 291	72	8.97	2580	2.4	FA	37	DRE	80MJ4	MM22	24
	37 - 326	64	8.01	2520	2.6	FAF	37	DRE	80MJ4	MM22	26
	45 - 387	54	6.74	2390	2.6	F	37	DRE	80MJ4	MM22	25
	50 - 431	49	6.05	2340	2.8	FF	37	DRE	80MJ4	MM22	27
	58 - 501	42	5.21	2260	3.0						
	61 - 533	39	4.90	2230	3.0						
	71 - 619	34	4.22	2160	3.2						
	80 - 693	30	3.77	2100	3.5						
	15 - 130	162	20.15	1630	0.80						
	16 - 139	152	18.84	1660	0.85						
	18 - 160	131	16.28	1700	1.00						
	22 - 189	111	13.84	1720	1.15						
	24 - 211	99	12.35	1730	1.30						
	28 - 247	85	10.55	1720	1.55	FA	27	DRE	80MJ4	MM22	18
	30 - 264	80	9.88	1720	1.65	FAF	27	DRE	80MJ4	MM22	19
	32 - 278	76	9.40	1640	1.70	F	27	DRE	80MJ4	MM22	19
	37 - 321	65	8.13	1630	1.90	FF	27	DRE	80MJ4	MM22	19
	43 - 378	56	6.91	1600	2.0						
	49 - 423	50	6.17	1580	2.2						
	57 - 496	42	5.27	1550	2.4						
	61 - 529	40	4.93	1530	2.4						
	72 - 628	33	4.16	1490	2.6						
3.0	1.3 - 11	2510	228.93	24800	1.20						
	1.5 - 13	2160	197.20	25900	1.40						
	1.7 - 14	1970	179.97	26500	1.50						
	1.9 - 16	1750	159.61	26800	1.70						
	2.2 - 19	1470	134.16	26000	2.0						
	2.4 - 21	1350	123.29	25600	2.2						
	2.7 - 24	1200	109.49	25000	2.5						
	3.1 - 27	1070	97.89	24400	2.8						
	3.4 - 30	960	88.01	23800	3.1						
	1.8 - 16	1820	166.47	12700	0.80						
	2.1 - 18	1560	142.27	15300	0.95						
	2.3 - 20	1430	130.42	16200	1.05						
	2.6 - 23	1250	114.45	17200	1.20						
	2.8 - 24	1190	108.46*	17500	1.25						
	3.2 - 28	1040	94.93	18100	1.45	FA	77	DRE	90MJ4	MM30	69
	3.5 - 31	930	85.52	18500	1.60	FAF	77	DRE	90MJ4	MM30	75
	4.0 - 35	820	75.02	18900	1.80	F	77	DRE	90MJ4	MM30	73
	4.1 - 36	795	72.50	19000	1.90	FF	77	DRE	90MJ4	MM30	83
	4.5 - 39	725	66.46	19200	2.1						
	5.1 - 45	640	58.32	19400	2.3						
	5.4 - 47	605	55.27	19500	2.5						



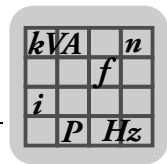
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	3.1 - 27	1050	95.94	0	0.80						
	3.3 - 29	990	90.59	3410	0.80						
	3.8 - 33	870	79.76	9780	0.95						
	4.4 - 39	740	67.65	11000	1.10	FA	67	DRE	90MJ4	MM30	46
	4.9 - 43	670	61.07	11500	1.20	FAF	67	DRE	90MJ4	MM30	52
	5.6 - 49	585	53.73	12000	1.40	F	67	DRE	90MJ4	MM30	49
	5.9 - 51	555	50.74	12100	1.45	FF	67	DRE	90MJ4	MM30	55
	6.9 - 60	470	43.20	12500	1.75						
	7.6 - 66	430	39.26	12700	1.80						
	8.8 - 77	370	34.01	12900	2.00						
	9.4 - 81	350	32.08	13000	2.3	FA	67	DRE	90MJ4	MM30	45
	11 - 95	300	27.41	13000	2.7	FAF	67	DRE	90MJ4	MM30	51
	12 - 104	275	25.13	13000	3.0	F	67	DRE	90MJ4	MM30	47
	14 - 118	240	22.05	13000	3.4	FF	67	DRE	90MJ4	MM30	54
	5.1 - 44	645	58.97	6690	0.95						
	6.0 - 52	545	50.10	7470	1.10	FA	57	DRE	90MJ4	MM30	42
	6.7 - 58	490	44.73	7420	1.20	FAF	57	DRE	90MJ4	MM30	47
	7.8 - 68	415	38.21	7320	1.45	F	57	DRE	90MJ4	MM30	42
	8.4 - 73	390	35.79	7260	1.55	FF	57	DRE	90MJ4	MM30	49
	10.0 - 87	330	30.15	7100	1.80						
	12 - 105	270	24.96	6880	2.1	FA	57	DRE	90MJ4	MM30	41
	14 - 123	230	21.17	6680	2.6	FAF	57	DRE	90MJ4	MM30	47
	16 - 137	205	19.11	6540	2.9	F	57	DRE	90MJ4	MM30	41
	18 - 155	185	16.81	6360	3.2	FF	57	DRE	90MJ4	MM30	48
	7.0 - 61	470	42.86	0	0.85	FA	47	DRE	90MJ4	MM30	34
	8.2 - 71	400	36.61	4750	1.00	FAF	47	DRE	90MJ4	MM30	37
	8.8 - 76	375	34.29	4760	1.05	F	47	DRE	90MJ4	MM30	35
	10 - 90	315	28.88	4760	1.25	FF	47	DRE	90MJ4	MM30	38
	12 - 101	280	25.72	4730	1.40						
	14 - 120	235	21.82	4670	1.65	FA	47	DRE	90MJ4	MM30	33
	15 - 133	215	19.70	4620	1.85	FAF	47	DRE	90MJ4	MM30	36
	17 - 151	190	17.33	4540	2.1	F	47	DRE	90MJ4	MM30	34
	18 - 160	180	16.36	4500	2.2	FF	47	DRE	90MJ4	MM30	37
	22 - 187	153	13.93	4380	2.6						
	18 - 153	187	17.03	2390	1.05						
	21 - 182	157	14.33	2410	1.25						
	23 - 203	141	12.87	2410	1.40						
	27 - 235	122	11.08	2400	1.55						
	29 - 250	114	10.42	2390	1.60	FA	37	DRE	90MJ4	MM30	29
	33 - 291	98	8.97	2360	1.80	FAF	37	DRE	90MJ4	MM30	31
	37 - 326	88	8.01	2330	1.95	F	37	DRE	90MJ4	MM30	30
	45 - 387	74	6.74	2210	1.90	FF	37	DRE	90MJ4	MM30	31
	50 - 431	66	6.05	2180	2.0						
	58 - 501	57	5.21	2120	2.2						
	61 - 533	54	4.90	2100	2.2						
	71 - 619	46	4.22	2040	2.4						
	80 - 693	41	3.77	2000	2.5						
4.0	1.1 - 9.4	4050	276.77	30600	1.05						
	1.2 - 10	3700	253.41	31600	1.15						
	1.3 - 12	3270	223.88	32700	1.30						
	1.6 - 14	2770	189.92	33800	1.55	FA	97	DRE	90LJ4	MM40	175
	1.7 - 15	2550	174.87	34300	1.70	FAF	97	DRE	90LJ4	MM40	195
	1.9 - 17	2280	156.30	34800	1.90	F	97	DRE	90LJ4	MM40	180
	2.1 - 19	2050	140.71	35300	2.1	FF	97	DRE	90LJ4	MM40	215
	2.4 - 20	1860	127.42	35600	2.3						
	2.7 - 23	1650	112.99	36000	2.6						
	2.9 - 26	1490	102.16	36300	2.9						



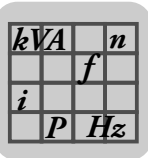
F..DR..J..MM..

F..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
4.0	1.3 - 11	3350	228.93	0	0.90						
	1.5 - 13	2880	197.20	23400	1.05						
	1.7 - 14	2630	179.97	24300	1.15						
	1.9 - 16	2330	159.61	24500	1.30						
	2.2 - 19	1960	134.16	24100	1.55	FA	87	DRE	90LJ4	MM40	110
	2.4 - 21	1800	123.29	23800	1.65	FAF	87	DRE	90LJ4	MM40	125
	2.7 - 24	1600	109.49	23400	1.85	F	87	DRE	90LJ4	MM40	115
	3.1 - 27	1430	97.89	23000	2.1	FF	87	DRE	90LJ4	MM40	130
	3.4 - 30	1280	88.01	22500	2.3						
	3.9 - 34	1110	76.39	21900	2.7						
	4.4 - 38	1000	68.40	21400	3.0						
	2.3 - 20	1900	130.42	3920	0.80						
	2.6 - 23	1670	114.45	14400	0.90						
	2.8 - 24	1580	108.46*	15100	0.95						
	3.2 - 28	1380	94.93	16400	1.10						
	3.5 - 31	1250	85.52	17200	1.20						
	4.0 - 35	1090	75.02	17900	1.35	FA	77	DRE	90LJ4	MM40	72
	4.1 - 36	1060	72.50	18100	1.40	FAF	77	DRE	90LJ4	MM40	78
	4.5 - 39	970	66.46	18400	1.55	F	77	DRE	90LJ4	MM40	75
	5.1 - 45	850	58.32	18800	1.75	FF	77	DRE	90LJ4	MM40	86
	5.4 - 47	800	55.27	19000	1.85						
	6.2 - 54	705	48.37	19200	2.1						
	6.9 - 60	635	43.58	19400	2.4						
	7.8 - 68	555	38.23	19600	2.7						
	8.9 - 77	490	33.74	19700	3.0						
	4.4 - 39	990	67.65	4120	0.85						
	4.9 - 43	890	61.07	9590	0.90						
	5.6 - 49	785	53.73	10600	1.05	FA	67	DRE	90LJ4	MM40	49
	5.9 - 51	740	50.74	11000	1.10	FAF	67	DRE	90LJ4	MM40	55
	6.9 - 60	630	43.20	11700	1.30	F	67	DRE	90LJ4	MM40	51
	7.6 - 66	570	39.26	12000	1.35	FF	67	DRE	90LJ4	MM40	57
	8.8 - 77	495	34.01	12400	1.50						
	9.4 - 81	465	32.08	12500	1.75	FA	67	DRE	90LJ4	MM40	47
	11 - 95	400	27.41	12800	2.0	FAF	67	DRE	90LJ4	MM40	54
	12 - 104	365	25.13	12900	2.2	F	67	DRE	90LJ4	MM40	50
	14 - 118	320	22.05	13000	2.5	FF	67	DRE	90LJ4	MM40	56
	6.0 - 52	730	50.10	0	0.80	FA	57	DRE	90LJ4	MM40	45
	6.7 - 58	650	44.73	5930	0.90	FAF	57	DRE	90LJ4	MM40	50
	7.8 - 68	555	38.21	6490	1.05	F	57	DRE	90LJ4	MM40	45
	8.4 - 73	520	35.79	6490	1.15	FF	57	DRE	90LJ4	MM40	51
	10.0 - 87	440	30.15	6440	1.35						
	12 - 105	365	24.96	6340	1.55	FA	57	DRE	90LJ4	MM40	44
	14 - 123	305	21.17	6220	1.95	FAF	57	DRE	90LJ4	MM40	50
	16 - 137	275	19.11	6120	2.2	F	57	DRE	90LJ4	MM40	44
	18 - 155	245	16.81	6000	2.4	FF	57	DRE	90LJ4	MM40	51
	19 - 164	230	15.88	5940	2.6						
	8.2 - 71	535	36.61	0	0.75	FA	47	DRE	90LJ4	MM40	37
	8.8 - 76	500	34.29	0	0.80	FAF	47	DRE	90LJ4	MM40	40
	10 - 90	420	28.88	3880	0.95	F	47	DRE	90LJ4	MM40	38
						FF	47	DRE	90LJ4	MM40	41



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
4.0	12 - 101	375	25.72	4090	1.05						
	14 - 120	315	21.82	4120	1.25						
	15 - 133	285	19.70	4120	1.40						
	17 - 151	250	17.33	4110	1.60	FA	47	DRE	90LJ4	MM40	36
	18 - 160	235	16.36	4090	1.65	FAF	47	DRE	90LJ4	MM40	39
	22 - 187	200	13.93	4040	1.95	F	47	DRE	90LJ4	MM40	37
	24 - 206	185	12.66	3990	2.2	FF	47	DRE	90LJ4	MM40	40
	27 - 238	161	10.97	3920	2.5						
	34 - 291	131	8.96	3690	2.5						
	18 - 153	245	17.03	1870	0.80						
	21 - 182	205	14.33	1980	0.95						
	23 - 203	188	12.87	2020	1.05						
	27 - 235	162	11.08	2070	1.15						
	29 - 250	153	10.42	2080	1.20						
	33 - 291	131	8.97	2090	1.35	FA	37	DRE	90LJ4	MM40	32
	37 - 326	117	8.01	2090	1.45	FAF	37	DRE	90LJ4	MM40	33
	45 - 387	99	6.74	1980	1.40	F	37	DRE	90LJ4	MM40	32
	50 - 431	89	6.05	1980	1.50	FF	37	DRE	90LJ4	MM40	34
	58 - 501	76	5.21	1950	1.65						
	61 - 533	72	4.90	1940	1.65						
	71 - 619	62	4.22	1900	1.80						
	80 - 693	55	3.77	1870	1.90						

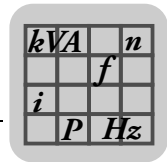


F..DR..J..MM..

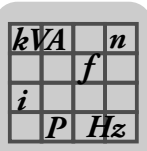
F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

5.2 F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	1.3 - 6.6	535	228.99	12200	1.50						
	1.5 - 7.7	460	195.39	12600	1.80	FA	67	DRE	71SJ4	MM03	34
	1.8 - 8.8	400	170.85	12800	2.0	FAF	67	DRE	71SJ4	MM03	41
	1.8 - 9.2	380	162.31	12900	2.1	F	67	DRE	71SJ4	MM03	37
	2.1 - 11	335	142.40	13000	2.4	FF	67	DRE	71SJ4	MM03	43
	2.5 - 12	280	120.79	13000	2.9						
	1.5 - 7.5	470	199.70	10100	1.30						
	1.6 - 8.2	430	183.60	10400	1.40						
	1.9 - 9.6	370	157.09	10700	1.60	FA	57	DRE	71SJ4	MM03	31
	2.2 - 11	320	136.16	11000	1.85	FAF	57	DRE	71SJ4	MM03	36
	2.4 - 12	295	127.27	11100	2.0	F	57	DRE	71SJ4	MM03	31
	2.7 - 14	255	110.01	11400	2.3	FF	57	DRE	71SJ4	MM03	37
	3.2 - 16	220	93.47	11500	2.7						
	3.6 - 18	197	83.46	11500	3.0						
	2.0 - 10	350	150.06	6520	1.15						
	2.3 - 12	305	130.07	7000	1.30						
	2.5 - 12	285	121.57	7180	1.40	FA	47	DRE	71SJ4	MM03	23
	2.8 - 14	245	105.09	7480	1.60	FAF	47	DRE	71SJ4	MM03	26
	3.4 - 17	210	89.29	7710	1.90	F	47	DRE	71SJ4	MM03	24
	3.8 - 19	188	79.72	7840	2.1	FF	47	DRE	71SJ4	MM03	27
	4.4 - 22	160	68.09	7960	2.5						
	4.6 - 23	154	65.36	7990	2.6						
	3.5 - 17	200	86.53	4240	1.00						
	3.7 - 19	190	80.65	4430	1.05						
	4.3 - 21	166	70.50	4720	1.20						
	4.5 - 23	156	66.09	4820	1.30						
	5.1 - 26	137	58.32	4990	1.45						
	5.5 - 28	128	54.54	5060	1.55	FA	37	DRE	71SJ4	MM03	19
	5.8 - 29	122	51.70	5110	1.65	FAF	37	DRE	71SJ4	MM03	20
	6.4 - 32	111	47.02	5190	1.80	F	37	DRE	71SJ4	MM03	19
	6.8 - 34	103	43.83	5240	1.95	FF	37	DRE	71SJ4	MM03	21
	7.8 - 39	90	38.31	5310	2.2						
	8.4 - 42	85	35.91	5340	2.4						
	9.5 - 47	75	31.69	5190	2.7						
	11 - 53	66	28.09	5030	3.0						
	13 - 63	56	23.88	4820	3.6						
	13 - 63	56	23.63	4810	3.6						
	15 - 73	48	20.57	4630	4.1						
	16 - 78	45	19.27	4550	4.4						
	18 - 88	40	17.03	4390	5.0						
	19 - 95	37	15.81	4300	5.4						
	21 - 105	34	14.33	4180	5.9						
	23 - 117	30	12.87	4050	6.6	FA	37	DRE	71SJ4	MM03	18
	27 - 135	26	11.08	3880	7.3	FAF	37	DRE	71SJ4	MM03	20
	29 - 144	25	10.42	3810	7.5	F	37	DRE	71SJ4	MM03	19
	33 - 167	21	8.97	3640	8.3	FF	37	DRE	71SJ4	MM03	21
	40 - 202	18	7.44	3420	8.3						
	45 - 223	16	6.74	3320	8.8						
	50 - 248	14	6.05	3210	9.5						
	58 - 288	12	5.21	3070	10						
	61 - 306	12	4.90	3010	10						
	71 - 356	9.9	4.22	2870	11						



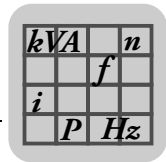
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	5.3 - 26	133	56.62	4030	0.95						
	6.0 - 30	118	50.19	3960	1.10	FA	27	DRE	71SJ4	MM03	12
	6.4 - 32	110	46.78	3920	1.20	FAF	27	DRE	71SJ4	MM03	13
	7.3 - 37	96	40.89	3830	1.35	F	27	DRE	71SJ4	MM03	13
	7.8 - 39	90	38.33	3780	1.45	FF	27	DRE	71SJ4	MM03	14
	8.9 - 44	80	33.83	3690	1.65						
	10 - 51	70	29.56	3580	1.85						
	11 - 55	64	27.18	3520	2.0						
	13 - 65	55	23.25	3390	2.4						
	15 - 74	47	20.15	3280	2.7						
	16 - 80	44	18.84	3220	2.9						
	18 - 92	38	16.28	3100	3.4						
	22 - 108	33	13.84	2970	4.0						
	24 - 121	29	12.35	2880	4.5	FA	27	DRE	71SJ4	MM03	12
	28 - 142	25	10.55	2760	5.2	FAF	27	DRE	71SJ4	MM03	13
	30 - 152	23	9.88	2710	5.6	F	27	DRE	71SJ4	MM03	13
	32 - 160	22	9.40	2650	5.9	FF	27	DRE	71SJ4	MM03	14
	37 - 185	19	8.13	2540	6.4						
	43 - 217	16	6.91	2430	7.0						
	49 - 243	15	6.17	2350	7.5						
	57 - 285	12	5.27	2240	8.1						
	61 - 304	12	4.93	2200	8.3						
	72 - 361	9.8	4.16	2090	8.9						
0.55	1.1 - 5.5	940	270.68	29100	3.2	FA	87	DRE	71MJ4	MM05	99
	1.2 - 5.9	890	255.37	29200	3.4	FAF	87	DRE	71MJ4	MM05	110
	1.3 - 6.6	800	228.93	29400	3.7	F	87	DRE	71MJ4	MM05	105
	1.5 - 7.6	690	197.20	29600	4.3	FF	87	DRE	71MJ4	MM05	120
	1.3 - 6.6	790	225.79	19000	1.90						
	1.5 - 7.6	690	198.31	19300	2.2	FA	77	DRE	71MJ4	MM05	60
	1.6 - 8.0	655	188.40	19400	2.3	FAF	77	DRE	71MJ4	MM05	66
	1.8 - 9.0	580	166.47	19500	2.6	F	77	DRE	71MJ4	MM05	64
	2.1 - 11	495	142.27	19700	3.0	FF	77	DRE	71MJ4	MM05	74
	1.5 - 7.7	680	195.39	11400	1.20						
	1.8 - 8.8	595	170.85	11900	1.35						
	1.8 - 9.2	565	162.31	12100	1.45	FA	67	DRE	71MJ4	MM05	37
	2.1 - 11	495	142.40	12400	1.65	FAF	67	DRE	71MJ4	MM05	43
	2.5 - 12	420	120.79	12700	1.95	F	67	DRE	71MJ4	MM05	40
	2.8 - 14	380	109.04	12900	2.2	FF	67	DRE	71MJ4	MM05	46
	3.1 - 16	335	95.94	13000	2.4						
	3.3 - 17	315	90.59	13000	2.6						
	1.9 - 9.6	550	157.09	9570	1.10						
	2.2 - 11	475	136.16	10100	1.25						
	2.4 - 12	445	127.27	10300	1.35	FA	57	DRE	71MJ4	MM05	33
	2.7 - 14	385	110.01	10700	1.55	FAF	57	DRE	71MJ4	MM05	39
	3.2 - 16	325	93.47	11000	1.85	F	57	DRE	71MJ4	MM05	33
	3.6 - 18	290	83.46	11200	2.0	FF	57	DRE	71MJ4	MM05	40
	4.1 - 21	255	72.98	11400	2.4						
	4.4 - 22	235	68.22	11500	2.5						
	5.1 - 25	205	58.97	11500	2.9						
	2.8 - 14	365	105.09	6350	1.10						
	3.4 - 17	310	89.29	6940	1.30						
	3.8 - 19	275	79.72	7240	1.45	FA	47	DRE	71MJ4	MM05	25
	4.4 - 22	235	68.09	7540	1.70	FAF	47	DRE	71MJ4	MM05	27
	4.6 - 23	225	65.36	7600	1.75	F	47	DRE	71MJ4	MM05	25
	5.3 - 27	198	56.49	7780	2.0	FF	47	DRE	71MJ4	MM05	29
	6.2 - 31	168	48.00*	7930	2.4						
	7.0 - 35	150	42.86	8000	2.7						



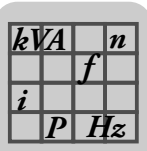
F..DR..J..MM..

F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	4.5 - 23	230	66.09	3780	0.85						
	5.1 - 26	200	58.32	4230	1.00						
	5.5 - 28	191	54.54	4420	1.05						
	5.8 - 29	181	51.70	4540	1.10						
	6.4 - 32	165	47.02	4730	1.20	FA	37	DRE	71MJ4	MM05	20
	6.8 - 34	153	43.83	4840	1.30	FAF	37	DRE	71MJ4	MM05	21
	7.8 - 39	134	38.31	5020	1.50	F	37	DRE	71MJ4	MM05	20
	8.4 - 42	126	35.91	5020	1.60	FF	37	DRE	71MJ4	MM05	22
	9.5 - 47	111	31.69	4890	1.80						
	11 - 53	98	28.09	4770	2.0						
	13 - 63	84	23.88	4600	2.4						
	13 - 63	83	23.63	4580	2.4						
	15 - 73	72	20.57	4440	2.8						
	16 - 78	67	19.27	4360	3.0						
	18 - 88	60	17.03	4230	3.4						
	19 - 95	55	15.81	4150	3.6						
	21 - 105	50	14.33	4040	4.0						
	23 - 117	45	12.87	3930	4.4						
	27 - 135	39	11.08	3770	4.9	FA	37	DRE	71MJ4	MM05	20
	29 - 144	36	10.42	3710	5.1	FAF	37	DRE	71MJ4	MM05	21
	33 - 167	31	8.97	3550	5.6	F	37	DRE	71MJ4	MM05	20
	37 - 187	28	8.01	3440	6.1	FF	37	DRE	71MJ4	MM05	22
	40 - 202	26	7.44	3340	5.6						
	45 - 223	24	6.74	3250	5.9						
	50 - 248	21	6.05	3150	6.4						
	58 - 288	18	5.21	3020	6.8						
	61 - 306	17	4.90	2960	7.0						
	71 - 356	15	4.22	2830	7.4						
	80 - 398	13	3.77	2740	8.0						
	7.3 - 37	143	40.89	3410	0.90	FA	27	DRE	71MJ4	MM05	14
	7.8 - 39	134	38.33	3390	0.95	FAF	27	DRE	71MJ4	MM05	14
	8.9 - 44	118	33.83	3340	1.10	F	27	DRE	71MJ4	MM05	14
						FF	27	DRE	71MJ4	MM05	15
	13 - 65	81	23.25	3160	1.60						
	15 - 74	71	20.15	3070	1.85						
	16 - 80	66	18.84	3030	1.95						
	18 - 92	57	16.28	2940	2.3						
	22 - 108	48	13.84	2830	2.7						
	24 - 121	43	12.35	2760	3.0						
	28 - 142	37	10.55	2650	3.5	FA	27	DRE	71MJ4	MM05	13
	30 - 152	35	9.88	2610	3.8	FAF	27	DRE	71MJ4	MM05	14
	32 - 160	33	9.40	2540	4.0	F	27	DRE	71MJ4	MM05	14
	37 - 185	28	8.13	2450	4.3	FF	27	DRE	71MJ4	MM05	15
	43 - 217	24	6.91	2350	4.7						
	49 - 243	22	6.17	2280	5.0						
	57 - 285	18	5.27	2180	5.4						
	61 - 304	17	4.93	2140	5.6						
	72 - 361	15	4.16	2040	6.0						
0.75	1.1 - 5.5	1290	270.68	28300	2.3	FA	87	DRE	71MJ4	MM07	99
	1.2 - 5.9	1210	255.37	28500	2.5	FAF	87	DRE	71MJ4	MM07	110
	1.3 - 6.6	1090	228.93	28800	2.7	F	87	DRE	71MJ4	MM07	105
	1.5 - 7.6	940	197.20	29100	3.2	FF	87	DRE	71MJ4	MM07	120



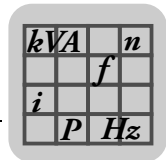
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.75	1.3 - 6.6	1070	225.79	18000	1.40						
	1.5 - 7.6	940	198.31	18500	1.60						
	1.6 - 8.0	890	188.40	18700	1.65	FA	77	DRE	71MJ4	MM07	60
	1.8 - 9.0	790	166.47	19000	1.90	FAF	77	DRE	71MJ4	MM07	66
	2.1 - 11	675	142.27	19300	2.2	F	77	DRE	71MJ4	MM07	64
	2.3 - 12	620	130.42	19400	2.4	FF	77	DRE	71MJ4	MM07	74
	2.6 - 13	545	114.45	19600	2.8						
	2.8 - 14	515	108.46*	19700	2.9						
	1.8 - 8.8	810	170.85	10300	1.00						
	1.8 - 9.2	770	162.31	10700	1.05						
	2.1 - 11	675	142.40	11400	1.20						
	2.5 - 12	575	120.79	12000	1.40	FA	67	DRE	71MJ4	MM07	37
	2.8 - 14	520	109.04	12300	1.55	FAF	67	DRE	71MJ4	MM07	43
	3.1 - 16	455	95.94	12600	1.80	F	67	DRE	71MJ4	MM07	40
	3.3 - 17	430	90.59	12700	1.90	FF	67	DRE	71MJ4	MM07	46
	3.8 - 19	380	79.76	12900	2.2						
	4.4 - 22	320	67.65	13000	2.5						
	4.9 - 25	290	61.07	13000	2.8						
	5.6 - 28	255	53.73	13000	3.2						
	2.4 - 12	605	127.27	9140	1.00						
	2.7 - 14	525	110.01	9750	1.15						
	3.2 - 16	445	93.47	10300	1.35	FA	57	DRE	71MJ4	MM07	33
	3.6 - 18	395	83.46	10600	1.50	FAF	57	DRE	71MJ4	MM07	39
	4.1 - 21	345	72.98	10900	1.70	F	57	DRE	71MJ4	MM07	33
	4.4 - 22	325	68.22	11000	1.85	FF	57	DRE	71MJ4	MM07	40
	5.1 - 25	280	58.97	11200	2.1						
	6.0 - 30	235	50.10	11500	2.5						
	6.7 - 34	210	44.73	11200	2.8						
	7.8 - 39	182	38.21	10700	3.3						
	3.8 - 19	380	79.72	6190	1.05						
	4.4 - 22	325	68.09	6820	1.25						
	4.6 - 23	310	65.36	6950	1.30	FA	47	DRE	71MJ4	MM07	25
	5.3 - 27	265	56.49	7310	1.50	FAF	47	DRE	71MJ4	MM07	27
	6.2 - 31	225	48.00*	7600	1.75	F	47	DRE	71MJ4	MM07	25
	7.0 - 35	200	42.86	7750	1.95	FF	47	DRE	71MJ4	MM07	29
	8.2 - 41	175	36.61	7820	2.3						
	8.8 - 44	164	34.29	7700	2.4						
	10 - 52	138	28.88	7380	2.9						
	6.4 - 32	220	47.02	3900	0.90						
	6.8 - 34	205	43.83	4160	0.95	FA	37	DRE	71MJ4	MM07	20
	7.8 - 39	183	38.31	4520	1.10	FAF	37	DRE	71MJ4	MM07	21
	8.4 - 42	171	35.91	4640	1.15	F	37	DRE	71MJ4	MM07	20
	9.5 - 47	151	31.69	4560	1.30	FF	37	DRE	71MJ4	MM07	22
	11 - 53	134	28.09	4470	1.50						
	13 - 63	114	23.88	4340	1.75						



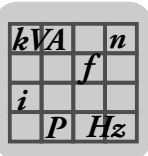
F..DR..J..MM..

F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	13 - 63	113	23.63	4340	1.75						
	15 - 73	98	20.57	4220	2.0						
	16 - 78	92	19.27	4160	2.2						
	18 - 88	81	17.03	4050	2.5						
	19 - 95	76	15.81	3980	2.6						
	21 - 105	68	14.33	3890	2.9						
	23 - 117	61	12.87	3790	3.3						
	27 - 135	53	11.08	3660	3.6						
	29 - 144	50	10.42	3600	3.7						
	33 - 167	43	8.97	3460	4.1						
	37 - 187	38	8.01	3360	4.4						
	40 - 202	36	7.44	3260	4.1						
	45 - 223	32	6.74	3170	4.4						
	50 - 248	29	6.05	3080	4.7						
	58 - 288	25	5.21	2960	5.0						
	61 - 306	23	4.90	2900	5.1						
	71 - 356	20	4.22	2780	5.5						
	80 - 398	18	3.77	2690	5.8						
	13 - 65	111	23.25	2890	1.15						
	15 - 74	96	20.15	2840	1.35						
	16 - 80	90	18.84	2820	1.45						
	18 - 92	78	16.28	2750	1.65						
	22 - 108	66	13.84	2680	1.95						
	24 - 121	59	12.35	2620	2.2						
	28 - 142	50	10.55	2530	2.6						
	30 - 152	47	9.88	2500	2.8						
	32 - 160	45	9.40	2430	2.9						
	37 - 185	39	8.13	2350	3.2						
	43 - 217	33	6.91	2260	3.5						
	49 - 243	29	6.17	2200	3.7						
	57 - 285	25	5.27	2120	4.0						
	61 - 304	24	4.93	2080	4.1						
	72 - 361	20	4.16	1990	4.4						
1.1	1.1 - 5.5	1890	270.68	26700	1.60						
	1.2 - 5.9	1780	255.37	27100	1.70						
	1.3 - 6.6	1600	228.93	27600	1.85						
	1.5 - 7.6	1380	197.20	28100	2.2						
	1.7 - 8.3	1260	179.97	28400	2.4						
	1.9 - 9.4	1110	159.61	28700	2.7						
	2.2 - 11	930	134.16	29100	3.2						
	2.4 - 12	860	123.29	29300	3.5						
	1.5 - 7.6	1380	198.31	16400	1.10						
	1.6 - 8.0	1310	188.40	16800	1.15						
	1.8 - 9.0	1160	166.47	17600	1.30						
	2.1 - 11	990	142.27	18300	1.50						
	2.3 - 12	910	130.42	18600	1.65						
	2.6 - 13	800	114.45	19000	1.85						
	2.8 - 14	755	108.46*	19100	1.95						
	3.2 - 16	660	94.93	19400	2.3						
	3.5 - 18	595	85.52	19500	2.5						
	4.0 - 20	525	75.02	19600	2.9						
	4.1 - 21	505	72.50	19700	3.0						
	1.1 - 5.5	1890	270.68	26700	1.60						
	1.2 - 5.9	1780	255.37	27100	1.70						
	1.3 - 6.6	1600	228.93	27600	1.85						
	1.5 - 7.6	1380	197.20	28100	2.2						
	1.7 - 8.3	1260	179.97	28400	2.4						
	1.9 - 9.4	1110	159.61	28700	2.7						
	2.2 - 11	930	134.16	29100	3.2						
	2.4 - 12	860	123.29	29300	3.5						
	1.5 - 7.6	1380	198.31	16400	1.10						
	1.6 - 8.0	1310	188.40	16800	1.15						
	1.8 - 9.0	1160	166.47	17600	1.30						
	2.1 - 11	990	142.27	18300	1.50						
	2.3 - 12	910	130.42	18600	1.65						
	2.6 - 13	800	114.45	19000	1.85						
	2.8 - 14	755	108.46*	19100	1.95						
	3.2 - 16	660	94.93	19400	2.3						
	3.5 - 18	595	85.52	19500	2.5						
	4.0 - 20	525	75.02	19600	2.9						
	4.1 - 21	505	72.50	19700	3.0						



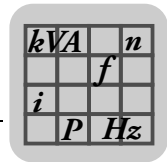
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	2.8 - 14	760	109.04	10800	1.05						
	3.1 - 16	670	95.94	11500	1.20						
	3.3 - 17	630	90.59	11700	1.30						
	3.8 - 19	555	79.76	12100	1.45	FA	67	DRE	80SJ4	MM11	39
	4.4 - 22	470	67.65	12500	1.75	FAF	67	DRE	80SJ4	MM11	46
	4.9 - 25	425	61.07	12700	1.90	F	67	DRE	80SJ4	MM11	42
	5.6 - 28	375	53.73	12900	2.2	FF	67	DRE	80SJ4	MM11	48
	5.9 - 30	355	50.74	13000	2.3						
	6.9 - 35	300	43.20	13000	2.7						
	7.6 - 38	270	39.26	13000	2.8						
	3.6 - 18	580	83.46	9320	1.05						
	4.1 - 21	510	72.98	9850	1.15						
	4.4 - 22	475	68.22	10100	1.25	FA	57	DRE	80SJ4	MM11	35
	5.1 - 25	410	58.97	10500	1.45	FAF	57	DRE	80SJ4	MM11	41
	6.0 - 30	350	50.10	10800	1.70	F	57	DRE	80SJ4	MM11	36
	6.7 - 34	310	44.73	10600	1.90	FF	57	DRE	80SJ4	MM11	42
	7.8 - 39	265	38.21	10200	2.2						
	8.4 - 42	250	35.79	10100	2.4						
	10.0 - 50	210	30.15	9640	2.8						
	10 - 50	205	29.94	9630	2.6	FA	57	DRE	80SJ4	MM11	35
	11 - 53	199	28.45	9510	2.7	FAF	57	DRE	80SJ4	MM11	40
	12 - 60	175	24.96	9200	3.3	F	57	DRE	80SJ4	MM11	35
						FF	57	DRE	80SJ4	MM11	41
	5.3 - 27	395	56.49	5990	1.00	FA	47	DRE	80SJ4	MM11	27
	6.2 - 31	335	48.00*	6710	1.20	FAF	47	DRE	80SJ4	MM11	29
	7.0 - 35	300	42.86	7060	1.35	F	47	DRE	80SJ4	MM11	27
	8.2 - 41	255	36.61	7260	1.55	FF	47	DRE	80SJ4	MM11	31
	8.8 - 44	240	34.29	7180	1.65						
	10 - 52	200	28.88	6940	2.00						
	9.7 - 49	215	30.86	7040	1.85	FA	47	DRE	80SJ4	MM11	26
	10 - 51	205	29.32	6960	1.95	FAF	47	DRE	80SJ4	MM11	29
	12 - 58	180	25.72	6780	2.2	F	47	DRE	80SJ4	MM11	27
	14 - 69	153	21.82	6540	2.6	FF	47	DRE	80SJ4	MM11	30
	15 - 76	138	19.70	6390	2.9						
	9.5 - 47	220	31.69	3950	0.90	FA	37	DRE	80SJ4	MM11	22
	11 - 53	197	28.09	3960	1.00	FAF	37	DRE	80SJ4	MM11	23
	13 - 63	167	23.88	3910	1.20	F	37	DRE	80SJ4	MM11	22
						FF	37	DRE	80SJ4	MM11	24
	15 - 73	144	20.57	3840	1.40						
	16 - 78	135	19.27	3810	1.50						
	18 - 88	119	17.03	3740	1.70						
	19 - 95	111	15.81	3690	1.80						
	21 - 105	100	14.33	3630	2.00						
	23 - 117	90	12.87	3560	2.2						
	27 - 135	78	11.08	3450	2.4	FA	37	DRE	80SJ4	MM11	22
	29 - 144	73	10.42	3410	2.5	FAF	37	DRE	80SJ4	MM11	23
	33 - 167	63	8.97	3300	2.8	F	37	DRE	80SJ4	MM11	22
	37 - 187	56	8.01	3210	3.0	FF	37	DRE	80SJ4	MM11	24
	40 - 202	52	7.44	3110	2.8						
	45 - 223	47	6.74	3040	3.0						
	50 - 248	42	6.05	2960	3.2						
	58 - 288	36	5.21	2850	3.4						
	61 - 306	34	4.90	2800	3.5						
	71 - 356	30	4.22	2700	3.7						
	80 - 398	26	3.77	2620	4.0						
1.1	15 - 74	141	20.15	2440	0.90						
	16 - 80	132	18.84	2440	1.00						
	18 - 92	114	16.28	2430	1.15						
	22 - 108	97	13.84	2400	1.35						
	24 - 121	87	12.35	2370	1.50						
	28 - 142	74	10.55	2320	1.75	FA	27	DRE	80SJ4	MM11	15
	30 - 152	69	9.88	2300	1.90	FAF	27	DRE	80SJ4	MM11	16
	32 - 160	66	9.40	2220	1.95	F	27	DRE	80SJ4	MM11	16
	37 - 185	57	8.13	2170	2.2	FF	27	DRE	80SJ4	MM11	17
	43 - 217	48	6.91	2110	2.4						
	49 - 243	43	6.17	2070	2.5						
	57 - 285	37	5.27	2000	2.7						
	61 - 304	35	4.93	1970	2.8						
	72 - 361	29	4.16	1900	3.0						



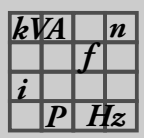
F..DR..J..MM..

F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	1.1 - 5.4	2640	276.77	34100	1.65	FA 97 FAF 97 F 97 FF 97	DRE 80MJ4	MM15			170
	1.2 - 5.9	2410	253.41	34600	1.80						
	1.3 - 6.7	2130	223.88	35100	2.0						
	1.6 - 7.9	1810	189.92	35700	2.4						
	1.7 - 8.6	1660	174.87	36000	2.6						
	1.9 - 9.6	1490	156.30	36300	2.9	FA 87 FAF 87 F 87 FF 87	DRE 80MJ4	MM15			105
	1.1 - 5.5	2580	270.68	24500	1.15						
	1.2 - 5.9	2430	255.37	25000	1.25						
	1.3 - 6.6	2180	228.93	25900	1.35						
	1.5 - 7.6	1880	197.20	26800	1.60						
	1.7 - 8.3	1710	179.97	27200	1.75						
	1.9 - 9.4	1520	159.61	27800	1.95						
	2.2 - 11	1280	134.16	28400	2.3						
	2.4 - 12	1170	123.29	28600	2.6						
	2.7 - 14	1040	109.49	28900	2.9						
	1.8 - 9.0	1580	166.47	15100	0.95	FA 77 FAF 77 F 77 FF 77	DRE 80MJ4	MM15			65
	2.1 - 11	1350	142.27	16600	1.10						
	2.3 - 12	1240	130.42	17200	1.20						
	2.6 - 13	1090	114.45	17900	1.35						
	2.8 - 14	1030	108.46*	18200	1.45						
	3.2 - 16	900	94.93	18600	1.65						
	3.5 - 18	810	85.52	18900	1.85						
	4.0 - 20	715	75.02	19200	2.1						
	4.1 - 21	690	72.50	19300	2.2						
	4.5 - 23	630	66.46	19400	2.4						
	5.1 - 26	555	58.32	19600	2.7	FA 67 FAF 67 F 67 FF 67	DRE 80MJ4	MM15			42
	5.4 - 27	525	55.27	19600	2.8						
	3.8 - 19	760	79.76	10800	1.10						
	4.4 - 22	645	67.65	11600	1.25						
	4.9 - 25	580	61.07	12000	1.40						
	5.6 - 28	510	53.73	12300	1.60						
	5.9 - 30	480	50.74	12500	1.70						
	6.9 - 35	410	43.20	12800	2.00						
	7.6 - 38	370	39.26	12900	2.1						
	8.8 - 44	320	34.01	13000	2.3						
	8.3 - 41	345	36.30	13000	2.4	FA 67 FAF 67 F 67 FF 67	DRE 80MJ4	MM15			41
	9.4 - 47	305	32.08	13000	2.7						
	11 - 55	260	27.41	13000	3.1						
	12 - 60	240	25.13	13000	3.4						



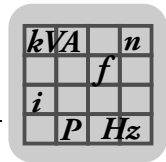
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	5.1 - 25	560	58.97	9480	1.05						
	6.0 - 30	475	50.10	10100	1.25	FA	57	DRE	80MJ4	MM15	38
	6.7 - 34	425	44.73	9900	1.40	FAF	57	DRE	80MJ4	MM15	44
	7.8 - 39	360	38.21	9630	1.65	F	57	DRE	80MJ4	MM15	38
	8.4 - 42	340	35.79	9510	1.75	FF	57	DRE	80MJ4	MM15	45
	10.0 - 50	285	30.15	9190	2.0						
	10 - 50	285	29.94	9180	1.90	FA	57	DRE	80MJ4	MM15	37
	11 - 53	270	28.45	9080	1.95	FAF	57	DRE	80MJ4	MM15	43
	12 - 60	235	24.96	8820	2.4	F	57	DRE	80MJ4	MM15	38
	14 - 71	200	21.17	8490	3.0	FF	57	DRE	80MJ4	MM15	44
	16 - 78	182	19.11	8280	3.3						
	8.2 - 41	345	36.61	6560	1.15	FA	47	DRE	80MJ4	MM15	29
	8.8 - 44	325	34.29	6580	1.20	FAF	47	DRE	80MJ4	MM15	32
	10 - 52	275	28.88	6440	1.45	F	47	DRE	80MJ4	MM15	30
						FF	47	DRE	80MJ4	MM15	33
	9.7 - 49	290	30.86	6500	1.35						
	10 - 51	275	29.32	6460	1.45						
	12 - 58	245	25.72	6330	1.65	FA	47	DRE	80MJ4	MM15	29
	14 - 69	205	21.82	6160	1.90	FAF	47	DRE	80MJ4	MM15	31
	15 - 76	188	19.70	6040	2.1	F	47	DRE	80MJ4	MM15	29
	17 - 87	165	17.33	5890	2.4	FF	47	DRE	80MJ4	MM15	33
	18 - 92	156	16.36	5820	2.6						
	22 - 108	133	13.93	5620	3.0						
	15 - 73	196	20.57	3410	1.00						
	16 - 78	184	19.27	3400	1.10						
	18 - 88	163	17.03	3380	1.25						
	19 - 95	151	15.81	3360	1.30						
	21 - 105	137	14.33	3330	1.45						
	23 - 117	123	12.87	3290	1.65						
	27 - 135	106	11.08	3220	1.80	FA	37	DRE	80MJ4	MM15	24
	29 - 144	100	10.42	3190	1.85	FAF	37	DRE	80MJ4	MM15	26
	33 - 167	86	8.97	3110	2.0	F	37	DRE	80MJ4	MM15	25
	37 - 187	77	8.01	3040	2.2	FF	37	DRE	80MJ4	MM15	27
	40 - 202	71	7.44	2940	2.0						
	45 - 223	64	6.74	2880	2.2						
	50 - 248	58	6.05	2820	2.3						
	58 - 288	50	5.21	2730	2.5						
	61 - 306	47	4.90	2690	2.6						
	71 - 356	40	4.22	2600	2.7						
	80 - 398	36	3.77	2530	2.9						
	22 - 108	132	13.84	2090	1.00						
	24 - 121	118	12.35	2090	1.10						
	28 - 142	101	10.55	2090	1.30						
	30 - 152	94	9.88	2080	1.40	FA	27	DRE	80MJ4	MM15	18
	32 - 160	90	9.40	1980	1.45	FAF	27	DRE	80MJ4	MM15	19
	37 - 185	78	8.13	1970	1.60	F	27	DRE	80MJ4	MM15	19
	43 - 217	66	6.91	1940	1.75	FF	27	DRE	80MJ4	MM15	19
	49 - 243	59	6.17	1910	1.85						
	57 - 285	50	5.27	1870	2.00						
	61 - 304	47	4.93	1850	2.0						
	72 - 361	40	4.16	1790	2.2						



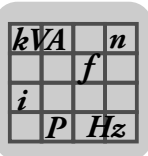
F..DR..J..MM..

F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	1.5 - 7.6	2760	197.20	23900	1.10						
	1.7 - 8.3	2520	179.97	24700	1.20						
	1.9 - 9.4	2230	159.61	25700	1.35						
	2.2 - 11	1870	134.16	26800	1.60	FA	87	DRE	90MJ4	MM22	110
	2.4 - 12	1720	123.29	27200	1.75	FAF	87	DRE	90MJ4	MM22	120
	2.7 - 14	1530	109.49	27700	1.95	F	87	DRE	90MJ4	MM22	115
	3.1 - 15	1370	97.89	28100	2.2	FF	87	DRE	90MJ4	MM22	130
	3.4 - 17	1230	88.01	28300	2.4						
	3.9 - 20	1060	76.39	27400	2.8						
	4.4 - 22	950	68.40	26700	3.1						
	2.6 - 13	1600	114.45	15000	0.95						
	2.8 - 14	1510	108.46*	15600	1.00						
	3.2 - 16	1320	94.93	16800	1.15						
	3.5 - 18	1190	85.52	17500	1.25						
	4.0 - 20	1050	75.02	18100	1.45	FA	77	DRE	90MJ4	MM22	69
	4.1 - 21	1010	72.50	18200	1.50	FAF	77	DRE	90MJ4	MM22	75
	4.5 - 23	930	66.46	18600	1.60	F	77	DRE	90MJ4	MM22	73
	5.1 - 26	810	58.32	18900	1.85	FF	77	DRE	90MJ4	MM22	83
	5.4 - 27	770	55.27	19100	1.95						
	6.2 - 31	675	48.37	19300	2.2						
	6.9 - 34	610	43.58	19500	2.5						
	7.8 - 39	535	38.23	19600	2.8						
	4.9 - 25	850	61.07	9980	0.95						
	5.6 - 28	750	53.73	10900	1.10	FA	67	DRE	90MJ4	MM22	46
	5.9 - 30	710	50.74	11200	1.15	FAF	67	DRE	90MJ4	MM22	52
	6.9 - 35	605	43.20	11900	1.35	F	67	DRE	90MJ4	MM22	49
	7.6 - 38	545	39.26	12200	1.40	FF	67	DRE	90MJ4	MM22	55
	8.8 - 44	475	34.01	12500	1.55						
	9.4 - 47	445	32.08	12600	1.85						
	11 - 55	380	27.41	12900	2.1	FA	67	DRE	90MJ4	MM22	45
	12 - 60	350	25.13	13000	2.3	FAF	67	DRE	90MJ4	MM22	51
	14 - 68	305	22.05	13000	2.6	F	67	DRE	90MJ4	MM22	47
	14 - 72	290	20.90*	13000	2.8	FF	67	DRE	90MJ4	MM22	54
	16 - 82	255	18.29	13000	3.2						
	6.7 - 34	625	44.73	8440	0.95	FA	57	DRE	90MJ4	MM22	42
	7.8 - 39	535	38.21	8620	1.10	FAF	57	DRE	90MJ4	MM22	47
	8.4 - 42	500	35.79	8560	1.20	F	57	DRE	90MJ4	MM22	42
	10.0 - 50	420	30.15	8390	1.40	FF	57	DRE	90MJ4	MM22	49
	12 - 60	345	24.96	8160	1.65						
	14 - 71	295	21.17	7930	2.0	FA	57	DRE	90MJ4	MM22	41
	16 - 78	265	19.11	7770	2.2	FAF	57	DRE	90MJ4	MM22	47
	18 - 89	235	16.81	7570	2.6	F	57	DRE	90MJ4	MM22	41
	19 - 94	220	15.88	7480	2.7	FF	57	DRE	90MJ4	MM22	48
	22 - 111	189	13.52	7220	3.2						
	12 - 58	360	25.72	5550	1.10						
	14 - 69	305	21.82	5500	1.30						
	15 - 76	275	19.70	5440	1.45						
	17 - 87	240	17.33	5360	1.65	FA	47	DRE	90MJ4	MM22	33
	18 - 92	225	16.36	5320	1.75	FAF	47	DRE	90MJ4	MM22	36
	22 - 108	195	13.93	5200	2.0	F	47	DRE	90MJ4	MM22	34
	24 - 118	177	12.66	5110	2.3	FF	47	DRE	90MJ4	MM22	37
	27 - 137	154	10.97	4980	2.6						
	34 - 167	125	8.96	4680	2.6						
	38 - 190	110	7.88	4560	3.4						
2.2	21 - 105	200	14.33	2800	1.00						
	23 - 117	180	12.87	2820	1.10						
	27 - 135	155	11.08	2810	1.20						
	29 - 144	146	10.42	2810	1.25						
	33 - 167	126	8.97	2780	1.40	FA	37	DRE	90MJ4	MM22	29
	37 - 187	112	8.01	2750	1.50	FAF	37	DRE	90MJ4	MM22	31
	45 - 223	94	6.74	2610	1.50	F	37	DRE	90MJ4	MM22	30
	50 - 248	85	6.05	2570	1.60	FF	37	DRE	90MJ4	MM22	31
	58 - 288	73	5.21	2520	1.70						
	61 - 306	69	4.90	2490	1.75						
	71 - 356	59	4.22	2430	1.85						
	80 - 398	53	3.77	2380	2.00						



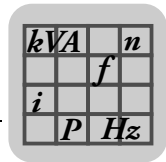
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
3.0	1.3 - 6.7	4270	223.88	30000	1.00						
	1.6 - 7.9	3620	189.92	31800	1.20						
	1.7 - 8.6	3330	174.87	32500	1.30						
	1.9 - 9.6	2980	156.30	33300	1.45						
	2.1 - 11	2680	140.71	34000	1.60						
	2.4 - 12	2430	127.42	34500	1.75	FA	97	DRE	90LJ4	MM30	175
	2.7 - 13	2150	112.99	35100	2.00	FAF	97	DRE	90LJ4	MM30	195
	2.9 - 15	1950	102.16	35500	2.2	F	97	DRE	90LJ4	MM30	180
	3.1 - 15	1860	97.58	35600	2.3	FF	97	DRE	90LJ4	MM30	215
	3.3 - 17	1710	89.85	35900	2.5						
	3.5 - 17	1650	86.59	36000	2.6						
	3.7 - 19	1530	80.31	36200	2.8						
	4.2 - 21	1380	72.29	36500	3.1						
	2.2 - 11	2560	134.16	24600	1.15						
	2.4 - 12	2350	123.29	25300	1.25						
	2.7 - 14	2090	109.49	26200	1.45	FA	87	DRE	90LJ4	MM30	110
	3.1 - 15	1860	97.89	26800	1.60	FAF	87	DRE	90LJ4	MM30	125
	3.4 - 17	1680	88.01	26600	1.80	F	87	DRE	90LJ4	MM30	115
	3.9 - 20	1450	76.39	25900	2.1	FF	87	DRE	90LJ4	MM30	130
	4.4 - 22	1300	68.40	25400	2.3						
	5.3 - 26	1080	56.75	24400	2.8						
	6.0 - 30	960	50.36	23800	3.1						
	3.5 - 18	1630	85.52	14800	0.90						
	4.0 - 20	1430	75.02	16200	1.05						
	4.1 - 21	1380	72.50	16500	1.10						
	4.5 - 23	1260	66.46	17100	1.20	FA	77	DRE	90LJ4	MM30	72
	5.1 - 26	1110	58.32	17800	1.35	FAF	77	DRE	90LJ4	MM30	78
	5.4 - 27	1050	55.27	18100	1.40	F	77	DRE	90LJ4	MM30	75
	6.2 - 31	920	48.37	18600	1.60	FF	77	DRE	90LJ4	MM30	86
	6.9 - 34	830	43.58	18900	1.80						
	7.8 - 39	730	38.23	19200	2.0						
	8.9 - 44	640	33.74	19400	2.3						
	10 - 50	570	29.91	19600	2.6						
	12 - 59	485	25.54	19700	3.0						
	8.2 - 41	695	36.58	19300	1.60	FA	77	DRE	90LJ4	MM30	70
	9.5 - 48	600	31.51	19500	2.3	FAF	77	DRE	90LJ4	MM30	77
	10 - 52	545	28.75	19600	2.6	F	77	DRE	90LJ4	MM30	74
	12 - 59	485	25.50*	19700	3.1	FF	77	DRE	90LJ4	MM30	85
	6.9 - 35	820	43.20	10300	1.00	FA	67	DRE	90LJ4	MM30	49
	7.6 - 38	745	39.26	10900	1.05	FAF	67	DRE	90LJ4	MM30	55
	8.8 - 44	645	34.01	11600	1.15	F	67	DRE	90LJ4	MM30	51
						FF	67	DRE	90LJ4	MM30	57



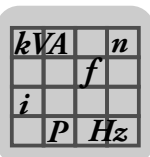
F..DR..J..MM..

F..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	9.4 - 47	610	32.08	11800	1.35	FA 67 FAF 67 F 67 FF 67	DRE 90LJ4	MM30			47
	11 - 55	520	27.41	12300	1.55						
	12 - 60	475	25.13	12500	1.70						
	14 - 68	420	22.05	12700	1.95						
	14 - 72	395	20.90*	12800	2.0						
	16 - 82	345	18.29	13000	2.4						
	18 - 91	310	16.48	13000	2.6						
	21 - 104	275	14.46	13000	3.0						
	12 - 60	475	24.96	7400	1.20	FA 57 FAF 57 F 57 FF 57	DRE 90LJ4	MM30			44
	14 - 71	400	21.17	7290	1.50						
	16 - 78	365	19.11	7200	1.65						
	18 - 89	320	16.81	7060	1.85						
	19 - 94	300	15.88	7000	2.00						
	22 - 111	255	13.52	6810	2.3						
	24 - 122	230	12.29	6690	2.6						
	28 - 141	200	10.64	6500	3.0						
	32 - 161	178	9.31	6190	2.4						
	37 - 183	156	8.19	6020	2.7						
	39 - 194	148	7.73	5950	2.8						
	15 - 76	375	19.70	4760	1.05	FA 47 FAF 47 F 47 FF 47	DRE 90LJ4	MM30			36
	17 - 87	330	17.33	4760	1.20						
	18 - 92	310	16.36	4760	1.30						
	22 - 108	265	13.93	4710	1.50						
	24 - 118	240	12.66	4670	1.65						
	27 - 137	205	10.97	4600	1.90						
	34 - 167	171	8.96	4330	1.95						
	38 - 190	150	7.88	4250	2.5						
	40 - 202	142	7.44*	4210	2.7						
	47 - 237	121	6.34	4100	2.9						
	52 - 261	110	5.76	4020	3.1						
	27 - 135	210	11.08	2350	0.90	FA 37 FAF 37 F 37 FF 37	DRE 90LJ4	MM30			32
	29 - 144	199	10.42	2370	0.95						
	33 - 167	171	8.97	2400	1.00						
	37 - 187	153	8.01	2410	1.10						
	45 - 223	129	6.74	2300	1.10						
	50 - 248	116	6.05	2290	1.15						
	58 - 288	100	5.21	2280	1.25						
	61 - 306	94	4.90	2260	1.30						
	71 - 356	81	4.22	2230	1.35						
	80 - 398	72	3.77	2200	1.45						
4.0	1.6 - 7.9	4830	189.92	21600	0.90	FA 97 FAF 97 F 97 FF 97	DRE 100MJ4	MM40			180
	1.7 - 8.6	4450	174.87	29400	0.95						
	1.9 - 9.6	3980	156.30	30800	1.10						
	2.1 - 11	3580	140.71	31900	1.20						
	2.4 - 12	3240	127.42	32700	1.35						
	2.7 - 13	2870	112.99	33600	1.50						
	2.9 - 15	2600	102.16	34200	1.65						
	3.1 - 15	2480	97.58	34400	1.75						
	3.3 - 17	2280	89.85	34800	1.90						
	3.5 - 17	2200	86.59	35000	1.95						
	3.7 - 19	2040	80.31	35300	2.1						
	4.2 - 21	1840	72.29	35700	2.3						
	4.6 - 23	1660	65.47	36000	2.6						
	5.2 - 26	1470	58.06	36200	2.9						
	5.7 - 29	1330	52.49	35300	3.2						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]
4.0	2.2 - 11	3410	134.16	0	0.90		
	2.4 - 12	3130	123.29	13400	0.95		
	2.7 - 14	2780	109.49	23800	1.10		
	3.1 - 15	2490	97.89	24700	1.20		
	3.4 - 17	2240	88.01	24400	1.35		
	3.9 - 20	1940	76.39	24100	1.55	FA 87 DRE 100MJ4 MM40	115
	4.4 - 22	1740	68.40	23700	1.70	FAF 87 DRE 100MJ4 MM40	130
	5.3 - 26	1440	56.75	23000	2.1	F 87 DRE 100MJ4 MM40	120
	6.0 - 30	1280	50.36	22500	2.3	FF 87 DRE 100MJ4 MM40	135
	6.6 - 33	1150	45.28	22100	2.4		
	7.6 - 38	1000	39.30	21400	2.7		
	8.5 - 43	890	35.19	20900	2.9		
	10 - 51	740	29.20	20000	3.4		
	4.5 - 23	1690	66.46	14300	0.90		
	5.1 - 26	1480	58.32	15800	1.00		
	5.4 - 27	1400	55.27	16300	1.05		
	6.2 - 31	1230	48.37	17300	1.20	FA 77 DRE 100MJ4 MM40	76
	6.9 - 34	1100	43.58	17900	1.35	FAF 77 DRE 100MJ4 MM40	83
	7.8 - 39	970	38.23	18400	1.55	F 77 DRE 100MJ4 MM40	80
	8.9 - 44	850	33.74	18800	1.75	FF 77 DRE 100MJ4 MM40	91
	10 - 50	760	29.91	19100	1.95		
	12 - 59	650	25.54	19400	2.2		
	9.5 - 48	800	31.51	19000	1.70		
	10 - 52	730	28.75	19200	1.95		
	12 - 59	645	25.50*	19400	2.3	FA 77 DRE 100MJ4 MM40	75
	14 - 70	545	21.43	19600	2.8	FAF 77 DRE 100MJ4 MM40	81
	15 - 76	500	19.70	19700	3.0	F 77 DRE 100MJ4 MM40	79
	17 - 86	445	17.49	19800	3.4	FF 77 DRE 100MJ4 MM40	89
	19 - 96	395	15.64*	19900	3.8		
	21 - 107	355	14.06	19500	4.2		
	8.8 - 44	860	34.01	9880	0.85	FA 67 DRE 100MJ4 MM40	53
						FAF 67 DRE 100MJ4 MM40	59
						F 67 DRE 100MJ4 MM40	56
						FF 67 DRE 100MJ4 MM40	62
	11 - 55	695	27.41	11300	1.15		
	12 - 60	635	25.13	11700	1.30		
	14 - 68	560	22.05	12100	1.45		
	14 - 72	530	20.90*	12300	1.55		
	16 - 82	465	18.29	12600	1.75		
	18 - 91	415	16.48	12700	1.95		
	21 - 104	365	14.46	12900	2.2		
	24 - 118	320	12.76	13000	2.5	FA 67 DRE 100MJ4 MM40	52
	27 - 133	285	11.31	13000	2.8	FAF 67 DRE 100MJ4 MM40	58
	31 - 155	245	9.66	13000	3.3	F 67 DRE 100MJ4 MM40	55
	33 - 165	230	9.08	12800	2.3	FF 67 DRE 100MJ4 MM40	61
	35 - 174	215	8.60	12600	2.6		
	40 - 199	192	7.53	12300	3.2		
	44 - 221	173	6.78	12000	3.6		
	50 - 252	152	5.95	11600	4.0		
	57 - 286	134	5.25	11200	4.4		
	64 - 322	119	4.66	10900	4.7		
	75 - 377	101	3.97	10400	4.9		
4.0	14 - 71	535	21.17	6490	1.10		
	16 - 78	485	19.11	6480	1.25		
	18 - 89	425	16.81	6430	1.40		
	19 - 94	400	15.88	6400	1.50		
	22 - 111	340	13.52	6300	1.75		
	24 - 122	310	12.29	6220	1.90	FA 57 DRE 100MJ4 MM40	49
	28 - 141	270	10.64	6090	2.2	FAF 57 DRE 100MJ4 MM40	54
	32 - 161	235	9.31	5800	1.75	F 57 DRE 100MJ4 MM40	49
	37 - 183	205	8.19	5680	2.0	FF 57 DRE 100MJ4 MM40	55
	39 - 194	197	7.73	5620	2.1		
	46 - 228	168	6.58	5460	2.5		
	50 - 251	152	5.98	5350	2.8		
	58 - 289	132	5.18	5190	3.1		

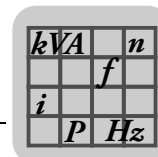


F..DR..J..MM..

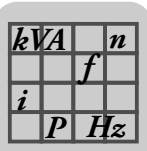
F..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

5.3 F..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	1.5 - 13	390	195.39	12800	2.1	FA	67	DRU	71MJ4	MM05	34
	1.8 - 15	340	170.85	13000	2.4	FAF	67	DRU	71MJ4	MM05	41
	1.8 - 16	325	162.31	13000	2.5	F	67	DRU	71MJ4	MM05	37
						FF	67	DRU	71MJ4	MM05	43
	1.9 - 17	315	157.09	11100	1.90	FA	57	DRU	71MJ4	MM05	31
	2.2 - 19	270	136.16	11300	2.2	FAF	57	DRU	71MJ4	MM05	36
	2.4 - 21	255	127.27	11400	2.3	F	57	DRU	71MJ4	MM05	31
	2.7 - 24	220	110.01	11500	2.7	FF	57	DRU	71MJ4	MM05	37
	2.0 - 17	300	150.06	7040	1.30						
	2.3 - 20	260	130.07	7370	1.55	FA	47	DRU	71MJ4	MM05	23
	2.5 - 21	240	121.57	7500	1.65	FAF	47	DRU	71MJ4	MM05	26
	2.8 - 25	210	105.09	7710	1.90	F	47	DRU	71MJ4	MM05	24
	3.4 - 29	180	89.29	7880	2.2	FF	47	DRU	71MJ4	MM05	27
	3.8 - 33	160	79.72	7960	2.5						
	3.0 - 26	200	100.36	4270	1.00						
	3.5 - 30	174	86.53	4630	1.15						
	3.7 - 32	162	80.65	4760	1.25						
	4.3 - 37	142	70.50	4950	1.40						
	4.5 - 39	133	66.09	5030	1.50						
	5.1 - 45	117	58.32	4950	1.70	FA	37	DRU	71MJ4	MM05	19
	5.5 - 48	110	54.54	4880	1.80	FAF	37	DRU	71MJ4	MM05	20
	5.8 - 50	104	51.70	4830	1.90	F	37	DRU	71MJ4	MM05	19
	6.4 - 56	95	47.02	4730	2.1	FF	37	DRU	71MJ4	MM05	21
	6.8 - 60	88	43.83	4650	2.3						
	7.8 - 68	77	38.31	4510	2.6						
	8.4 - 73	72	35.91	4440	2.8						
	9.5 - 82	64	31.69	4300	3.1						
	11 - 93	57	28.09	4170	3.5						
	13 - 110	48	23.63	3990	4.2						
	15 - 127	41	20.57	3840	4.8						
	16 - 135	39	19.27	3770	5.2						
	18 - 153	34	17.03	3640	5.8						
	19 - 165	32	15.81	3570	6.3						
	21 - 182	29	14.33	3470	6.9						
	23 - 203	26	12.87	3360	7.7	FA	37	DRU	71MJ4	MM05	18
	27 - 235	22	11.08	3220	8.5	FAF	37	DRU	71MJ4	MM05	20
	29 - 250	21	10.42	3160	8.8	F	37	DRU	71MJ4	MM05	19
	33 - 291	18	8.97	3020	9.7	FF	37	DRU	71MJ4	MM05	21
	40 - 351	15	7.44	2840	9.7						
	45 - 387	14	6.74	2760	10						
	50 - 431	12	6.05	2670	11						
	58 - 501	10	5.21	2550	12						
	61 - 533	9.9	4.90	2500	12						
	71 - 619	8.5	4.22	2390	13						
	3.9 - 34	155	77.21	3430	0.85						
	4.2 - 36	146	72.37	3420	0.90						
	4.7 - 41	129	63.86	3380	1.00	FA	27	DRU	71MJ4	MM05	12
	5.3 - 46	114	56.62	3330	1.15	FAF	27	DRU	71MJ4	MM05	13
	6.0 - 52	101	50.19	3270	1.30	F	27	DRU	71MJ4	MM05	13
	6.4 - 56	94	46.78	3240	1.40	FF	27	DRU	71MJ4	MM05	14
	7.3 - 64	82	40.89	3160	1.60						
	7.8 - 68	77	38.33	3120	1.70						
	8.9 - 77	68	33.83	3050	1.90						
0.55	13 - 112	47	23.25	2810	2.8						
	15 - 130	41	20.15	2710	3.2						
	16 - 139	38	18.84	2670	3.4						
	18 - 160	33	16.28	2570	4.0						
	22 - 189	28	13.84	2460	4.7						
	24 - 211	25	12.35	2390	5.2						
	28 - 247	21	10.55	2290	6.1	FA	27	DRU	71MJ4	MM05	12
	30 - 264	20	9.88	2250	6.5	FAF	27	DRU	71MJ4	MM05	13
	32 - 278	19	9.40	2200	6.9	F	27	DRU	71MJ4	MM05	13
	37 - 321	16	8.13	2110	7.5	FF	27	DRU	71MJ4	MM05	14
	43 - 378	14	6.91	2020	8.2						
	49 - 423	12	6.17	1950	8.8						
	57 - 496	11	5.27	1860	9.4						
	61 - 529	9.9	4.93	1820	9.7						
	72 - 628	8.4	4.16	1730	10						



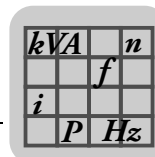
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.75	1.3 - 12	615	225.79	19500	2.4	FA	77	DRU	80SJ4	MM07	62
	1.5 - 13	540	198.31	19600	2.8	FAF	77	DRU	80SJ4	MM07	68
	1.6 - 14	515	188.40	19700	2.9	F	77	DRU	80SJ4	MM07	66
	1.8 - 16	455	166.47	19800	3.3	FF	77	DRU	80SJ4	MM07	76
	1.5 - 13	535	195.39	12200	1.55	FA	67	DRU	80SJ4	MM07	39
	1.8 - 15	465	170.85	12500	1.75						
	1.8 - 16	445	162.31	12600	1.85						
	2.1 - 18	390	142.40	12800	2.1						
	2.5 - 22	330	120.79	13000	2.5	F	67	DRU	80SJ4	MM07	42
	2.8 - 24	295	109.04	13000	2.7	FF	67	DRU	80SJ4	MM07	48
	1.9 - 17	430	157.09	10400	1.40	FA	57	DRU	80SJ4	MM07	35
	2.2 - 19	370	136.16	10700	1.60						
	2.4 - 21	345	127.27	10900	1.70						
	2.7 - 24	300	110.01	11100	2.00						
	3.2 - 28	255	93.47	11400	2.3	F	57	DRU	80SJ4	MM07	36
	3.6 - 31	225	83.46	11400	2.6	FF	57	DRU	80SJ4	MM07	42
	4.1 - 36	200	72.98	11000	3.0	FA	47	DRU	80SJ4	MM07	27
	2.0 - 17	410	150.06	5280	0.95						
	2.3 - 20	355	130.07	6480	1.10						
	2.5 - 21	330	121.57	6740	1.20						
	2.8 - 25	285	105.09	7160	1.40	FAF	47	DRU	80SJ4	MM07	29
	3.4 - 29	245	89.29	7500	1.65	F	47	DRU	80SJ4	MM07	27
	3.8 - 33	215	79.72	7660	1.85	FF	47	DRU	80SJ4	MM07	31
	4.4 - 38	187	68.09	7840	2.1	FA	37	DRU	80SJ4	MM07	22
	4.6 - 40	179	65.36	7860	2.2						
	3.0 - 26	275	100.36	0	0.75						
	3.5 - 30	235	86.53	3660	0.85						
	3.7 - 32	220	80.65	3960	0.90						
	4.3 - 37	193	70.50	4380	1.05						
	4.5 - 39	181	66.09	4540	1.10						
	5.1 - 45	160	58.32	4600	1.25						
	5.5 - 48	150	54.54	4550	1.35						
	5.8 - 50	142	51.70	4520	1.40						
	6.4 - 56	129	47.02	4440	1.55						
	6.8 - 60	120	43.83	4390	1.65						
	7.8 - 68	105	38.31	4280	1.90						
	8.4 - 73	99	35.91	4220	2.0						
	9.5 - 82	87	31.69	4110	2.3						
	11 - 93	77	28.09	4000	2.6						
	13 - 109	66	23.88	3850	3.0						



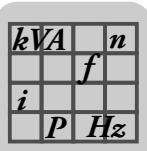
F..DR..J..MM..

F..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	13 - 110	65	23.63	3840	3.1						
	15 - 127	56	20.57	3720	3.5						
	16 - 135	53	19.27	3660	3.8						
	18 - 153	47	17.03	3540	4.3						
	19 - 165	43	15.81	3470	4.6						
	21 - 182	39	14.33	3380	5.1						
	23 - 203	35	12.87	3280	5.7						
	27 - 235	30	11.08	3150	6.2	FA	37	DRU	80SJ4	MM07	22
	29 - 250	29	10.42	3100	6.5	FAF	37	DRU	80SJ4	MM07	23
	33 - 291	25	8.97	2970	7.1	F	37	DRU	80SJ4	MM07	22
	37 - 326	22	8.01	2870	7.7	FF	37	DRU	80SJ4	MM07	24
	40 - 351	20	7.44	2790	7.1						
	45 - 387	18	6.74	2710	7.6						
	50 - 431	17	6.05	2630	8.1						
	58 - 501	14	5.21	2520	8.7						
	61 - 533	13	4.90	2470	8.9						
	71 - 619	12	4.22	2360	9.5						
	80 - 693	10	3.77	2280	10						
	5.3 - 46	155	56.62	2960	0.85	FA	27	DRU	80SJ4	MM07	16
	6.0 - 52	138	50.19	2940	0.95	FAF	27	DRU	80SJ4	MM07	16
	6.4 - 56	128	46.78	2930	1.00	F	27	DRU	80SJ4	MM07	16
	7.3 - 64	112	40.89	2900	1.15	FF	27	DRU	80SJ4	MM07	17
	7.8 - 68	105	38.33	2880	1.25						
	8.9 - 77	93	33.83	2830	1.40						
	13 - 112	64	23.25	2660	2.0						
	15 - 130	55	20.15	2580	2.4						
	16 - 139	52	18.84	2550	2.5						
	18 - 160	45	16.28	2470	2.9						
	22 - 189	38	13.84	2380	3.4						
	24 - 211	34	12.35	2310	3.8	FA	27	DRU	80SJ4	MM07	15
	28 - 247	29	10.55	2220	4.5	FAF	27	DRU	80SJ4	MM07	16
	30 - 264	27	9.88	2180	4.8	F	27	DRU	80SJ4	MM07	16
	32 - 278	26	9.40	2130	5.0	FF	27	DRU	80SJ4	MM07	17
	37 - 321	22	8.13	2050	5.5						
	43 - 378	19	6.91	1960	6.0						
	49 - 423	17	6.17	1900	6.4						
	57 - 496	14	5.27	1820	6.9						
	61 - 529	14	4.93	1790	7.1						
	72 - 628	11	4.16	1700	7.6						
1.1	1.1 - 9.6	1080	270.68	28800	2.8	FA	87	DRU	80MJ4	MM11	105
	1.2 - 10	1020	255.37	28900	2.9	FAF	87	DRU	80MJ4	MM11	120
	1.3 - 11	920	228.93	29100	3.3	F	87	DRU	80MJ4	MM11	110
	1.5 - 13	790	197.20	29400	3.8	FF	87	DRU	80MJ4	MM11	125
	1.5 - 13	795	198.31	19000	1.90						
	1.6 - 14	755	188.40	19100	2.00	FA	77	DRU	80MJ4	MM11	65
	1.8 - 16	665	166.47	19300	2.2	FAF	77	DRU	80MJ4	MM11	71
	2.1 - 18	570	142.27	19600	2.6	F	77	DRU	80MJ4	MM11	68
	2.3 - 20	520	130.42	19700	2.9	FF	77	DRU	80MJ4	MM11	79
	2.6 - 23	460	114.45	19800	3.3						
	1.8 - 15	685	170.85	11400	1.20						
	1.8 - 16	650	162.31	11600	1.25						
	2.1 - 18	570	142.40	12000	1.45	FA	67	DRU	80MJ4	MM11	42
	2.5 - 22	485	120.79	12500	1.70	FAF	67	DRU	80MJ4	MM11	48
	2.8 - 24	435	109.04	12700	1.85	F	67	DRU	80MJ4	MM11	45
	3.1 - 27	385	95.94	12900	2.1	FF	67	DRU	80MJ4	MM11	51
	3.3 - 29	360	90.59	12900	2.2						
	3.8 - 33	320	79.76	13000	2.6						
	4.4 - 39	270	67.65	13000	3.0						



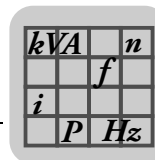
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.1	2.2 - 19	545	136.16	9590	1.10						
	2.4 - 21	510	127.27	9840	1.15						
	2.7 - 24	440	110.01	10300	1.35						
	3.2 - 28	375	93.47	10700	1.60	FA	57	DRU	80MJ4	MM11	38
	3.6 - 31	335	83.46	10700	1.80	FAF	57	DRU	80MJ4	MM11	44
	4.1 - 36	290	72.98	10400	2.0	F	57	DRU	80MJ4	MM11	38
	4.4 - 38	270	68.22	10300	2.2	FF	57	DRU	80MJ4	MM11	45
	5.1 - 44	235	58.97	9920	2.5						
	6.0 - 52	200	50.10	9540	3.0						
	2.8 - 25	420	105.09	3880	0.95						
	3.4 - 29	355	89.29	6450	1.10						
	3.8 - 33	320	79.72	6860	1.25	FA	47	DRU	80MJ4	MM11	29
	4.4 - 38	270	68.09	7280	1.45	FAF	47	DRU	80MJ4	MM11	32
	4.6 - 40	260	65.36	7290	1.50	F	47	DRU	80MJ4	MM11	30
	5.3 - 46	225	56.49	7100	1.75	FF	47	DRU	80MJ4	MM11	33
	6.2 - 54	193	48.00*	6880	2.1						
	7.0 - 61	172	42.86	6720	2.3						
	8.2 - 71	147	36.61	6480	2.7						
	4.5 - 39	265	66.09	0	0.75						
	5.1 - 45	230	58.32	3720	0.85						
	5.8 - 50	205	51.70	3970	0.95						
	6.4 - 56	189	47.02	3950	1.05	FA	37	DRU	80MJ4	MM11	25
	6.8 - 60	176	43.83	3930	1.15	FAF	37	DRU	80MJ4	MM11	26
	7.8 - 68	154	38.31	3870	1.30	F	37	DRU	80MJ4	MM11	25
	8.4 - 73	145	35.91	3840	1.40	FF	37	DRU	80MJ4	MM11	27
	9.5 - 82	128	31.69	3780	1.55						
	11 - 93	113	28.09	3710	1.75						
	13 - 109	96	23.88	3600	2.1						
	15 - 127	83	20.57	3500	2.4						
	16 - 135	78	19.27	3450	2.6						
	18 - 153	69	17.03	3360	2.9						
	19 - 165	64	15.81	3300	3.1						
	21 - 182	58	14.33	3230	3.5						
	23 - 203	52	12.87	3150	3.9						
	27 - 235	45	11.08	3030	4.3	FA	37	DRU	80MJ4	MM11	24
	29 - 250	42	10.42	2990	4.4	FAF	37	DRU	80MJ4	MM11	26
	33 - 291	36	8.97	2870	4.8	F	37	DRU	80MJ4	MM11	25
	37 - 326	32	8.01	2790	5.3	FF	37	DRU	80MJ4	MM11	27
	40 - 351	30	7.44	2700	4.8						
	45 - 387	27	6.74	2640	5.2						
	50 - 431	24	6.05	2560	5.5						
	58 - 501	21	5.21	2450	6.0						
	61 - 533	20	4.90	2410	6.1						
	71 - 619	17	4.22	2310	6.5						
	80 - 693	15	3.77	2240	6.9						
	7.3 - 64	165	40.89	2430	0.80	FA	27	DRU	80MJ4	MM11	18
	7.8 - 68	154	38.33	2440	0.85	FAF	27	DRU	80MJ4	MM11	19
	8.9 - 77	136	33.83	2440	0.95	F	27	DRU	80MJ4	MM11	19
						FF	27	DRU	80MJ4	MM11	20
1.1	15 - 130	81	20.15	2350	1.60						
	16 - 139	76	18.84	2330	1.70						
	18 - 160	66	16.28	2280	2.00						
	22 - 189	56	13.84	2220	2.3						
	24 - 211	50	12.35	2170	2.6						
	28 - 247	42	10.55	2100	3.1	FA	27	DRU	80MJ4	MM11	18
	30 - 264	40	9.88	2070	3.3	FAF	27	DRU	80MJ4	MM11	19
	32 - 278	38	9.40	2010	3.4	F	27	DRU	80MJ4	MM11	19
	37 - 321	33	8.13	1950	3.8	FF	27	DRU	80MJ4	MM11	19
	43 - 378	28	6.91	1880	4.1						
	49 - 423	25	6.17	1830	4.4						
	57 - 496	21	5.27	1760	4.7						
	61 - 529	20	4.93	1730	4.8						
	72 - 628	17	4.16	1650	5.2						



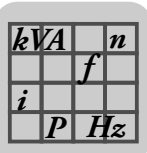
F..DR..J..MM..

F..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	1.1 - 9.4	1510	276.77	36200	2.8	FA	97	DRU	90MJ4	MM15	170
	1.2 - 10	1390	253.41	36400	3.1	FAF	97	DRU	90MJ4	MM15	195
	1.3 - 12	1220	223.88	36700	3.5	F	97	DRU	90MJ4	MM15	180
						FF	97	DRU	90MJ4	MM15	210
	1.3 - 11	1250	228.93	28400	2.4	FA	87	DRU	90MJ4	MM15	110
	1.5 - 13	1080	197.20	28800	2.8	FAF	87	DRU	90MJ4	MM15	120
						F	87	DRU	90MJ4	MM15	115
						FF	87	DRU	90MJ4	MM15	130
	1.8 - 16	910	166.47	18600	1.65						
	2.1 - 18	780	142.27	19000	1.90	FA	77	DRU	90MJ4	MM15	69
	2.3 - 20	715	130.42	19200	2.1	FAF	77	DRU	90MJ4	MM15	75
	2.6 - 23	625	114.45	19400	2.4	F	77	DRU	90MJ4	MM15	72
	2.8 - 24	595	108.46*	19500	2.5	FF	77	DRU	90MJ4	MM15	83
	3.2 - 28	520	94.93	19700	2.9						
	2.1 - 18	780	142.40	10600	1.05						
	2.5 - 22	660	120.79	11500	1.25						
	2.8 - 24	595	109.04	11900	1.35	FA	67	DRU	90MJ4	MM15	46
	3.1 - 27	525	95.94	12300	1.55	FAF	67	DRU	90MJ4	MM15	52
	3.3 - 29	495	90.59	12400	1.65	F	67	DRU	90MJ4	MM15	48
	3.8 - 33	435	79.76	12700	1.85	FF	67	DRU	90MJ4	MM15	54
	4.4 - 39	370	67.65	12900	2.2						
	4.9 - 43	335	61.07	13000	2.4						
	2.7 - 24	600	110.01	9170	1.00						
	3.2 - 28	510	93.47	9840	1.15	FA	57	DRU	90MJ4	MM15	42
	3.6 - 31	455	83.46	10000	1.30	FAF	57	DRU	90MJ4	MM15	47
	5.1 - 44	320	58.97	9410	1.85	F	57	DRU	90MJ4	MM15	42
	6.0 - 52	270	50.10	9100	2.2	FF	57	DRU	90MJ4	MM15	48
	6.7 - 58	245	44.73	8880	2.4						
	3.8 - 33	435	79.72	0	0.90						
	4.4 - 38	370	68.09	6280	1.05	FA	47	DRU	90MJ4	MM15	34
	5.3 - 46	310	56.49	6540	1.30	FAF	47	DRU	90MJ4	MM15	37
	6.2 - 54	260	48.00*	6400	1.50	F	47	DRU	90MJ4	MM15	35
	7.0 - 61	235	42.86	6290	1.70	FF	47	DRU	90MJ4	MM15	38
	8.2 - 71	200	36.61	6120	2.00						
	8.8 - 76	188	34.29	6040	2.1						
	10 - 90	159	28.88	5840	2.5						
	12 - 101	141	25.72	5700	2.8	FA	47	DRU	90MJ4	MM15	33
	14 - 120	120	21.82	5490	3.3	FAF	47	DRU	90MJ4	MM15	36
						F	47	DRU	90MJ4	MM15	34
						FF	47	DRU	90MJ4	MM15	37
	7.8 - 68	210	38.31	3410	0.95	FA	37	DRU	90MJ4	MM15	29
	9.5 - 82	174	31.69	3400	1.15	FAF	37	DRU	90MJ4	MM15	31
	11 - 93	154	28.09	3370	1.30	F	37	DRU	90MJ4	MM15	30
	13 - 109	131	23.88	3310	1.55	FF	37	DRU	90MJ4	MM15	31
1.5	18 - 153	93	17.03	3160	2.1						
	21 - 182	79	14.33	3060	2.5						
	23 - 203	71	12.87	2990	2.8						
	27 - 235	61	11.08	2900	3.1						
	29 - 250	57	10.42	2860	3.2	FA	37	DRU	90MJ4	MM15	29
	33 - 291	49	8.97	2760	3.6	FAF	37	DRU	90MJ4	MM15	30
	37 - 326	44	8.01	2690	3.9	F	37	DRU	90MJ4	MM15	29
	45 - 387	37	6.74	2540	3.8	FF	37	DRU	90MJ4	MM15	31
	50 - 431	33	6.05	2480	4.1						
	58 - 501	29	5.21	2380	4.4						
	61 - 533	27	4.90	2350	4.5						
	71 - 619	23	4.22	2250	4.8						
	80 - 693	21	3.77	2190	5.1						
	18 - 160	89	16.28	2070	1.45						
	22 - 189	76	13.84	2040	1.70						
	24 - 211	68	12.35	2010	1.90						
	28 - 247	58	10.55	1960	2.2	FA	27	DRU	90MJ4	MM15	23
	30 - 264	54	9.88	1940	2.4	FAF	27	DRU	90MJ4	MM15	23
	37 - 321	45	8.13	1830	2.8	F	27	DRU	90MJ4	MM15	23
	43 - 378	38	6.91	1780	3.0	FF	27	DRU	90MJ4	MM15	24
	49 - 423	34	6.17	1740	3.2						
	57 - 496	29	5.27	1680	3.5						
	61 - 529	27	4.93	1660	3.6						
	72 - 628	23	4.16	1590	3.8						



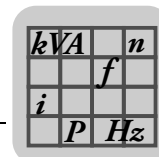
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
2.2	1.8 - 16	1330	166.47	16700	1.10						
	2.1 - 18	1140	142.27	17700	1.30						
	2.3 - 20	1040	130.42	18100	1.45						
	2.6 - 23	920	114.45	18600	1.65						
	2.8 - 24	870	108.46*	18800	1.70	FA	77	DRU	90LJ4	MM22	71
	3.2 - 28	760	94.93	19100	1.95	FAF	77	DRU	90LJ4	MM22	78
	3.5 - 31	685	85.52	19300	2.2	F	77	DRU	90LJ4	MM22	75
	4.0 - 35	600	75.02	19500	2.5	FF	77	DRU	90LJ4	MM22	86
	4.1 - 36	580	72.50	19500	2.6						
	4.5 - 39	530	66.46	19600	2.8						
	5.1 - 45	465	58.32	19700	3.2						
	2.5 - 22	970	120.79	6220	0.85						
	2.8 - 24	870	109.04	9750	0.95						
	3.1 - 27	770	95.94	10700	1.05						
	3.3 - 29	725	90.59	11100	1.10	FA	67	DRU	90LJ4	MM22	48
	3.8 - 33	640	79.76	11600	1.30	FAF	67	DRU	90LJ4	MM22	55
	4.4 - 39	540	67.65	12200	1.50	F	67	DRU	90LJ4	MM22	51
	4.9 - 43	490	61.07	12400	1.65	FF	67	DRU	90LJ4	MM22	57
	5.6 - 49	430	53.73	12700	1.90						
	5.9 - 51	405	50.74	12800	2.0						
	6.9 - 60	345	43.20	13000	2.4						
	3.2 - 28	750	93.47	0	0.80						
	3.6 - 31	670	83.46	3570	0.90						
	5.1 - 44	470	58.97	8520	1.25	FA	57	DRU	90LJ4	MM22	45
	6.0 - 52	400	50.10	8340	1.50	FAF	57	DRU	90LJ4	MM22	50
	6.7 - 58	360	44.73	8200	1.65	F	57	DRU	90LJ4	MM22	45
	7.8 - 68	305	38.21	7980	1.95	FF	57	DRU	90LJ4	MM22	51
	8.4 - 73	285	35.79	7880	2.1						
	10.0 - 87	240	30.15	7620	2.4						
	12 - 105	200	24.96	7320	2.9	FA	57	DRU	90LJ4	MM22	44
	14 - 123	170	21.17	7040	3.5	FAF	57	DRU	90LJ4	MM22	49
						F	57	DRU	90LJ4	MM22	44
						FF	57	DRU	90LJ4	MM22	51

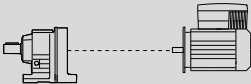


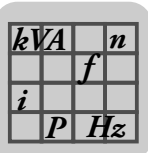
F..DR..J..MM..

F..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	5.3 - 46	450	56.49	0	0.90						
	6.2 - 54	385	48.00*	5560	1.05	FA	47	DRU	90LJ4	MM22	37
	7.0 - 61	340	42.86	5540	1.15	FAF	47	DRU	90LJ4	MM22	39
	8.2 - 71	290	36.61	5480	1.35	F	47	DRU	90LJ4	MM22	37
	8.8 - 76	275	34.29	5440	1.45	FF	47	DRU	90LJ4	MM22	41
	10 - 90	230	28.88	5330	1.70						
	12 - 101	205	25.72	5250	1.95	FA	47	DRU	90LJ4	MM22	36
	14 - 120	176	21.82	5100	2.3	FAF	47	DRU	90LJ4	MM22	39
	15 - 133	159	19.70	5010	2.5	F	47	DRU	90LJ4	MM22	37
	17 - 151	139	17.33	4880	2.9	FF	47	DRU	90LJ4	MM22	40
	9.5 - 82	255	31.69	1170	0.80	FA	37	DRU	90LJ4	MM22	32
	11 - 93	225	28.09	2780	0.90	FAF	37	DRU	90LJ4	MM22	33
	13 - 109	192	23.88	2810	1.05	F	37	DRU	90LJ4	MM22	32
						FF	37	DRU	90LJ4	MM22	34
	18 - 153	137	17.03	2800	1.45						
	21 - 182	115	14.33	2760	1.75						
	23 - 203	104	12.87	2720	1.95						
	27 - 235	89	11.08	2670	2.1						
	29 - 250	84	10.42	2640	2.2						
	33 - 291	72	8.97	2580	2.4	FA	37	DRU	90LJ4	MM22	32
	37 - 326	64	8.01	2520	2.6	FAF	37	DRU	90LJ4	MM22	33
	45 - 387	54	6.74	2390	2.6	F	37	DRU	90LJ4	MM22	32
	50 - 431	49	6.05	2340	2.8	FF	37	DRU	90LJ4	MM22	34
	58 - 501	42	5.21	2260	3.0						
	61 - 533	39	4.90	2230	3.0						
	71 - 619	34	4.22	2160	3.2						
	80 - 693	30	3.77	2100	3.5						
	18 - 160	131	16.28	1700	1.00						
	22 - 189	111	13.84	1720	1.15						
	24 - 211	99	12.35	1730	1.30						
	28 - 247	85	10.55	1720	1.55	FA	27	DRU	90LJ4	MM22	25
	30 - 264	80	9.88	1720	1.65	FAF	27	DRU	90LJ4	MM22	26
	37 - 321	65	8.13	1630	1.90	F	27	DRU	90LJ4	MM22	26
	43 - 378	56	6.91	1600	2.0	FF	27	DRU	90LJ4	MM22	27
	49 - 423	50	6.17	1580	2.2						
	57 - 496	42	5.27	1550	2.4						
	61 - 529	40	4.93	1530	2.4						
	72 - 628	33	4.16	1490	2.6						
3.0	1.1 - 9.4	3030	276.77	33200	1.40	FA	97	DRU	100MJ4	MM30	180
	1.2 - 10	2780	253.41	33800	1.55	FAF	97	DRU	100MJ4	MM30	200
	1.3 - 12	2450	223.88	34500	1.75	F	97	DRU	100MJ4	MM30	185
	1.6 - 14	2080	189.92	35200	2.1	FF	97	DRU	100MJ4	MM30	220
	1.7 - 15	1910	174.87	35500	2.2						
	1.9 - 17	1710	156.30	35900	2.5						
	1.5 - 13	2160	197.20	25900	1.40						
	1.7 - 14	1970	179.97	26500	1.50						
	1.9 - 16	1750	159.61	26800	1.70	FA	87	DRU	100MJ4	MM30	115
	2.2 - 19	1470	134.16	26000	2.0	FAF	87	DRU	100MJ4	MM30	130
	2.4 - 21	1350	123.29	25600	2.2	F	87	DRU	100MJ4	MM30	120
	2.7 - 24	1200	109.49	25000	2.5	FF	87	DRU	100MJ4	MM30	135
	3.1 - 27	1070	97.89	24400	2.8						
	3.4 - 30	960	88.01	23800	3.1						



P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	2.1 - 18	1560	142.27	15300	0.95	FA FAF F FF	77 77 77 77	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	76 83 80 91
	2.3 - 20	1430	130.42	16200	1.05						
	2.6 - 23	1250	114.45	17200	1.20						
	2.8 - 24	1190	108.46*	17500	1.25						
	3.2 - 28	1040	94.93	18100	1.45						
	3.5 - 31	930	85.52	18500	1.60						
	4.0 - 35	820	75.02	18900	1.80						
	4.1 - 36	795	72.50	19000	1.90						
	4.5 - 39	725	66.46	19200	2.1						
	5.1 - 45	640	58.32	19400	2.3						
	5.4 - 47	605	55.27	19500	2.5						
	3.1 - 27	1050	95.94	0	0.80	FA FAF F FF	67 67 67 67	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	53 59 56 62
	3.3 - 29	990	90.59	3410	0.80						
	4.4 - 39	740	67.65	11000	1.10						
	4.9 - 43	670	61.07	11500	1.20						
	5.6 - 49	585	53.73	12000	1.40						
	5.9 - 51	555	50.74	12100	1.45						
	6.9 - 60	470	43.20	12500	1.75						
	7.6 - 66	430	39.26	12700	1.80						
	8.8 - 77	370	34.01	12900	2.00						
	11 - 95	300	27.41	13000	2.7	FA FAF F FF	67 67 67 67	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	52 58 55 61
	12 - 104	275	25.13	13000	3.0						
	14 - 118	240	22.05	13000	3.4						
	6.0 - 52	545	50.10	7470	1.10	FA FAF F FF	57 57 57 57	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	49 55 49 56
	6.7 - 58	490	44.73	7420	1.20						
	7.8 - 68	415	38.21	7320	1.45						
	8.4 - 73	390	35.79	7260	1.55						
	10.0 - 87	330	30.15	7100	1.80						
	14 - 123	230	21.17	6680	2.6	FA FAF F FF	57 57 57 57	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	49 54 49 55
	16 - 137	205	19.11	6540	2.9						
	18 - 155	185	16.81	6360	3.2						
	7.0 - 61	470	42.86	0	0.85	FA FAF F FF	47 47 47 47	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	42 44 42 46
	8.2 - 71	400	36.61	4750	1.00						
	8.8 - 76	375	34.29	4760	1.05						
	10 - 90	315	28.88	4760	1.25						
	14 - 120	235	21.82	4670	1.65	FA FAF F FF	47 47 47 47	DRU DRU DRU DRU	100MJ4 100MJ4 100MJ4 100MJ4	MM30 MM30 MM30 MM30	41 44 42 45
	15 - 133	215	19.70	4620	1.85						
	17 - 151	190	17.33	4540	2.1						
18 - 160	180	16.36	4500	2.2							
22 - 187	153	13.93	4380	2.6							
4.0	1.3 - 12	3270	223.88	32700	1.30	FA FAF F FF	97 97 97 97	DRU DRU DRU DRU	100LJ4 100LJ4 100LJ4 100LJ4	MM40 MM40 MM40 MM40	185 205 190 225
	1.6 - 14	2770	189.92	33800	1.55						
	1.7 - 15	2550	174.87	34300	1.70						
	1.9 - 17	2280	156.30	34800	1.90						
	2.1 - 19	2050	140.71	35300	2.1						
	2.4 - 20	1860	127.42	35600	2.3						
	2.7 - 23	1650	112.99	36000	2.6						
	2.9 - 26	1490	102.16	36300	2.9						
	1.9 - 16	2330	159.61	24500	1.30	FA FAF F FF	87 87 87 87	DRU DRU DRU DRU	100LJ4 100LJ4 100LJ4 100LJ4	MM40 MM40 MM40 MM40	120 130 125 140
	2.2 - 19	1960	134.16	24100	1.55						
	2.4 - 21	1800	123.29	23800	1.65						
	2.7 - 24	1600	109.49	23400	1.85						
	3.1 - 27	1430	97.89	23000	2.1						
	3.4 - 30	1280	88.01	22500	2.3						
	3.9 - 34	1110	76.39	21900	2.7						
	4.4 - 38	1000	68.40	21400	3.0						
4.0	2.6 - 23	1670	114.45	14400	0.90	FA FAF F FF	77 77 77 77	DRU DRU DRU DRU	100LJ4 100LJ4 100LJ4 100LJ4	MM40 MM40 MM40 MM40	79 86 83 94
	2.8 - 24	1580	108.46*	15100	0.95						
	3.2 - 28	1380	94.93	16400	1.10						
	3.5 - 31	1250	85.52	17200	1.20						
	4.0 - 35	1090	75.02	17900	1.35						
	5.1 - 45	850	58.32	18800	1.75						
	5.4 - 47	800	55.27	19000	1.85						
	6.2 - 54	705	48.37	19200	2.1						
	6.9 - 60	635	43.58	19400	2.4						
	7.8 - 68	555	38.23	19600	2.7						
	8.9 - 77	490	33.74	19700	3.0						

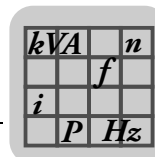


F..DR..J..MM..

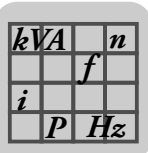
F..DRU..J..MM.. [1:5, 300 – 1500 1/min]

5.4 F..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	1.5 - 7.7	460	195.39	12600	1.80	FA	67	DRU	71MJ4	MM03	34
	1.8 - 8.8	400	170.85	12800	2.0	FAF	67	DRU	71MJ4	MM03	41
	1.8 - 9.2	380	162.31	12900	2.1	F	67	DRU	71MJ4	MM03	37
	2.1 - 11	335	142.40	13000	2.4	FF	67	DRU	71MJ4	MM03	43
	2.5 - 12	280	120.79	13000	2.9						
	1.9 - 9.6	370	157.09	10700	1.60						
	2.2 - 11	320	136.16	11000	1.85	FA	57	DRU	71MJ4	MM03	31
	2.4 - 12	295	127.27	11100	2.0	FAF	57	DRU	71MJ4	MM03	36
	2.7 - 14	255	110.01	11400	2.3	F	57	DRU	71MJ4	MM03	31
	3.2 - 16	220	93.47	11500	2.7	FF	57	DRU	71MJ4	MM03	37
	3.6 - 18	197	83.46	11500	3.0						
	2.0 - 10	350	150.06	6520	1.15						
	2.3 - 12	305	130.07	7000	1.30						
	2.5 - 12	285	121.57	7180	1.40	FA	47	DRU	71MJ4	MM03	23
	2.8 - 14	245	105.09	7480	1.60	FAF	47	DRU	71MJ4	MM03	26
	3.4 - 17	210	89.29	7710	1.90	F	47	DRU	71MJ4	MM03	24
	3.8 - 19	188	79.72	7840	2.1	FF	47	DRU	71MJ4	MM03	27
	4.4 - 22	160	68.09	7960	2.5						
	4.6 - 23	154	65.36	7990	2.6						
	3.5 - 17	200	86.53	4240	1.00						
	3.7 - 19	190	80.65	4430	1.05						
	4.3 - 21	166	70.50	4720	1.20						
	4.5 - 23	156	66.09	4820	1.30						
	5.1 - 26	137	58.32	4990	1.45						
	5.5 - 28	128	54.54	5060	1.55	FA	37	DRU	71MJ4	MM03	19
	5.8 - 29	122	51.70	5110	1.65	FAF	37	DRU	71MJ4	MM03	20
	6.4 - 32	111	47.02	5190	1.80	F	37	DRU	71MJ4	MM03	19
	6.8 - 34	103	43.83	5240	1.95	FF	37	DRU	71MJ4	MM03	21
	7.8 - 39	90	38.31	5310	2.2						
	8.4 - 42	85	35.91	5340	2.4						
	9.5 - 47	75	31.69	5190	2.7						
	11 - 53	66	28.09	5030	3.0						
	13 - 63	56	23.88	4820	3.6						
	13 - 63	56	23.63	4810	3.6						
	15 - 73	48	20.57	4630	4.1						
	16 - 78	45	19.27	4550	4.4						
	18 - 88	40	17.03	4390	5.0						
	19 - 95	37	15.81	4300	5.4						
	21 - 105	34	14.33	4180	5.9						
	23 - 117	30	12.87	4050	6.6	FA	37	DRU	71MJ4	MM03	18
	27 - 135	26	11.08	3880	7.3	FAF	37	DRU	71MJ4	MM03	20
	29 - 144	25	10.42	3810	7.5	F	37	DRU	71MJ4	MM03	19
	33 - 167	21	8.97	3640	8.3	FF	37	DRU	71MJ4	MM03	21
	40 - 202	18	7.44	3420	8.3						
	45 - 223	16	6.74	3320	8.8						
	50 - 248	14	6.05	3210	9.5						
	58 - 288	12	5.21	3070	10						
	61 - 306	12	4.90	3010	10						
	71 - 356	9.9	4.22	2870	11						
	5.3 - 26	133	56.62	4030	0.95						
	6.0 - 30	118	50.19	3960	1.10	FA	27	DRU	71MJ4	MM03	12
	6.4 - 32	110	46.78	3920	1.20	FAF	27	DRU	71MJ4	MM03	13
	7.3 - 37	96	40.89	3830	1.35	F	27	DRU	71MJ4	MM03	13
	7.8 - 39	90	38.33	3780	1.45	FF	27	DRU	71MJ4	MM03	14
	8.9 - 44	80	33.83	3690	1.65						



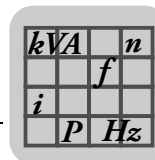
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.37	13 - 65	55	23.25	3390	2.4						
	15 - 74	47	20.15	3280	2.7						
	16 - 80	44	18.84	3220	2.9						
	18 - 92	38	16.28	3100	3.4						
	22 - 108	33	13.84	2970	4.0						
	24 - 121	29	12.35	2880	4.5						
	28 - 142	25	10.55	2760	5.2	FA	27	DRU	71MJ4	MM03	12
	30 - 152	23	9.88	2710	5.6	FAF	27	DRU	71MJ4	MM03	13
	32 - 160	22	9.40	2650	5.9	F	27	DRU	71MJ4	MM03	13
	37 - 185	19	8.13	2540	6.4	FF	27	DRU	71MJ4	MM03	14
	43 - 217	16	6.91	2430	7.0						
	49 - 243	15	6.17	2350	7.5						
	57 - 285	12	5.27	2240	8.1						
	61 - 304	12	4.93	2200	8.3						
	72 - 361	9.8	4.16	2090	8.9						
0.55	1.1 - 5.5	940	270.68	29100	3.2	FA	87	DRU	80SJ4	MM05	100
	1.2 - 5.9	890	255.37	29200	3.4	FAF	87	DRU	80SJ4	MM05	115
	1.3 - 6.6	800	228.93	29400	3.7	F	87	DRU	80SJ4	MM05	110
	1.5 - 7.6	690	197.20	29600	4.3	FF	87	DRU	80SJ4	MM05	125
	1.3 - 6.6	790	225.79	19000	1.90	FA	77	DRU	80SJ4	MM05	62
	1.5 - 7.6	690	198.31	19300	2.2	FAF	77	DRU	80SJ4	MM05	68
	1.6 - 8.0	655	188.40	19400	2.3	F	77	DRU	80SJ4	MM05	66
	1.8 - 9.0	580	166.47	19500	2.6	FF	77	DRU	80SJ4	MM05	76
	2.1 - 11	495	142.27	19700	3.0						
	1.5 - 7.7	680	195.39	11400	1.20						
	1.8 - 8.8	595	170.85	11900	1.35						
	1.8 - 9.2	565	162.31	12100	1.45	FA	67	DRU	80SJ4	MM05	39
	2.1 - 11	495	142.40	12400	1.65	FAF	67	DRU	80SJ4	MM05	46
	2.5 - 12	420	120.79	12700	1.95	F	67	DRU	80SJ4	MM05	42
	2.8 - 14	380	109.04	12900	2.2	FF	67	DRU	80SJ4	MM05	48
	3.1 - 16	335	95.94	13000	2.4						
	3.3 - 17	315	90.59	13000	2.6						
	1.9 - 9.6	550	157.09	9570	1.10						
	2.2 - 11	475	136.16	10100	1.25						
	2.4 - 12	445	127.27	10300	1.35	FA	57	DRU	80SJ4	MM05	35
	2.7 - 14	385	110.01	10700	1.55	FAF	57	DRU	80SJ4	MM05	41
	3.2 - 16	325	93.47	11000	1.85	F	57	DRU	80SJ4	MM05	36
	3.6 - 18	290	83.46	11200	2.0	FF	57	DRU	80SJ4	MM05	42
	4.1 - 21	255	72.98	11400	2.4						
	4.4 - 22	235	68.22	11500	2.5						
	5.1 - 25	205	58.97	11500	2.9						
	2.8 - 14	365	105.09	6350	1.10						
	3.4 - 17	310	89.29	6940	1.30	FA	47	DRU	80SJ4	MM05	27
	3.8 - 19	275	79.72	7240	1.45	FAF	47	DRU	80SJ4	MM05	29
	4.4 - 22	235	68.09	7540	1.70	F	47	DRU	80SJ4	MM05	27
	4.6 - 23	225	65.36	7600	1.75	FF	47	DRU	80SJ4	MM05	31
	5.3 - 27	198	56.49	7780	2.0						
	6.2 - 31	168	48.00*	7930	2.4						
	7.0 - 35	150	42.86	8000	2.7						



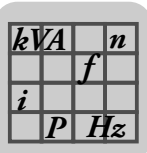
F..DR..J..MM..

F..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	4.5 - 23	230	66.09	3780	0.85						
	5.1 - 26	200	58.32	4230	1.00						
	5.5 - 28	191	54.54	4420	1.05						
	5.8 - 29	181	51.70	4540	1.10						
	6.4 - 32	165	47.02	4730	1.20	FA	37	DRU	80SJ4	MM05	22
	6.8 - 34	153	43.83	4840	1.30	FAF	37	DRU	80SJ4	MM05	23
	7.8 - 39	134	38.31	5020	1.50	F	37	DRU	80SJ4	MM05	22
	8.4 - 42	126	35.91	5020	1.60	FF	37	DRU	80SJ4	MM05	24
	9.5 - 47	111	31.69	4890	1.80						
	11 - 53	98	28.09	4770	2.0						
	13 - 63	84	23.88	4600	2.4						
	13 - 63	83	23.63	4580	2.4						
	15 - 73	72	20.57	4440	2.8						
	16 - 78	67	19.27	4360	3.0						
	18 - 88	60	17.03	4230	3.4						
	19 - 95	55	15.81	4150	3.6						
	21 - 105	50	14.33	4040	4.0						
	23 - 117	45	12.87	3930	4.4						
	27 - 135	39	11.08	3770	4.9	FA	37	DRU	80SJ4	MM05	22
	29 - 144	36	10.42	3710	5.1	FAF	37	DRU	80SJ4	MM05	23
	33 - 167	31	8.97	3550	5.6	F	37	DRU	80SJ4	MM05	22
	37 - 187	28	8.01	3440	6.1	FF	37	DRU	80SJ4	MM05	24
	40 - 202	26	7.44	3340	5.6						
	45 - 223	24	6.74	3250	5.9						
	50 - 248	21	6.05	3150	6.4						
	58 - 288	18	5.21	3020	6.8						
	61 - 306	17	4.90	2960	7.0						
	71 - 356	15	4.22	2830	7.4						
	80 - 398	13	3.77	2740	8.0						
	7.3 - 37	143	40.89	3410	0.90	FA	27	DRU	80SJ4	MM05	16
	7.8 - 39	134	38.33	3390	0.95	FAF	27	DRU	80SJ4	MM05	16
	8.9 - 44	118	33.83	3340	1.10	F	27	DRU	80SJ4	MM05	16
						FF	27	DRU	80SJ4	MM05	17
	13 - 65	81	23.25	3160	1.60						
	15 - 74	71	20.15	3070	1.85						
	16 - 80	66	18.84	3030	1.95						
	18 - 92	57	16.28	2940	2.3						
	22 - 108	48	13.84	2830	2.7						
	24 - 121	43	12.35	2760	3.0						
	28 - 142	37	10.55	2650	3.5	FA	27	DRU	80SJ4	MM05	15
	30 - 152	35	9.88	2610	3.8	FAF	27	DRU	80SJ4	MM05	16
	32 - 160	33	9.40	2540	4.0	F	27	DRU	80SJ4	MM05	16
	37 - 185	28	8.13	2450	4.3	FF	27	DRU	80SJ4	MM05	17
	43 - 217	24	6.91	2350	4.7						
	49 - 243	22	6.17	2280	5.0						
	57 - 285	18	5.27	2180	5.4						
	61 - 304	17	4.93	2140	5.6						
	72 - 361	15	4.16	2040	6.0						
0.75	1.1 - 5.5	1290	270.68	28300	2.3	FA	87	DRU	80MJ4	MM07	105
	1.2 - 5.9	1210	255.37	28500	2.5	FAF	87	DRU	80MJ4	MM07	120
	1.3 - 6.6	1090	228.93	28800	2.7	F	87	DRU	80MJ4	MM07	110
	1.5 - 7.6	940	197.20	29100	3.2	FF	87	DRU	80MJ4	MM07	125



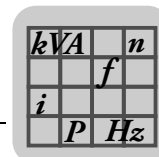
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	1.5 - 7.6	940	198.31	18500	1.60						
	1.6 - 8.0	890	188.40	18700	1.65						
	1.8 - 9.0	790	166.47	19000	1.90	FA	77	DRU	80MJ4	MM07	65
	2.1 - 11	675	142.27	19300	2.2	FAF	77	DRU	80MJ4	MM07	71
	2.3 - 12	620	130.42	19400	2.4	F	77	DRU	80MJ4	MM07	68
	2.6 - 13	545	114.45	19600	2.8	FF	77	DRU	80MJ4	MM07	79
	2.8 - 14	515	108.46*	19700	2.9						
	1.8 - 8.8	810	170.85	10300	1.00						
	1.8 - 9.2	770	162.31	10700	1.05						
	2.1 - 11	675	142.40	11400	1.20						
	2.5 - 12	575	120.79	12000	1.40	FA	67	DRU	80MJ4	MM07	42
	2.8 - 14	520	109.04	12300	1.55	FAF	67	DRU	80MJ4	MM07	48
	3.1 - 16	455	95.94	12600	1.80	F	67	DRU	80MJ4	MM07	45
	3.3 - 17	430	90.59	12700	1.90	FF	67	DRU	80MJ4	MM07	51
	3.8 - 19	380	79.76	12900	2.2						
	4.4 - 22	320	67.65	13000	2.5						
	4.9 - 25	290	61.07	13000	2.8						
	5.6 - 28	255	53.73	13000	3.2						
	2.4 - 12	605	127.27	9140	1.00						
	2.7 - 14	525	110.01	9750	1.15						
	3.2 - 16	445	93.47	10300	1.35						
	3.6 - 18	395	83.46	10600	1.50	FA	57	DRU	80MJ4	MM07	38
	4.1 - 21	345	72.98	10900	1.70	FAF	57	DRU	80MJ4	MM07	44
	4.4 - 22	325	68.22	11000	1.85	F	57	DRU	80MJ4	MM07	38
	5.1 - 25	280	58.97	11200	2.1	FF	57	DRU	80MJ4	MM07	45
	6.0 - 30	235	50.10	11500	2.5						
	6.7 - 34	210	44.73	11200	2.8						
	7.8 - 39	182	38.21	10700	3.3						
	3.8 - 19	380	79.72	6190	1.05						
	4.4 - 22	325	68.09	6820	1.25						
	4.6 - 23	310	65.36	6950	1.30						
	5.3 - 27	265	56.49	7310	1.50	FA	47	DRU	80MJ4	MM07	29
	6.2 - 31	225	48.00*	7600	1.75	FAF	47	DRU	80MJ4	MM07	32
	7.0 - 35	200	42.86	7750	1.95	F	47	DRU	80MJ4	MM07	30
	8.2 - 41	175	36.61	7820	2.3	FF	47	DRU	80MJ4	MM07	33
	8.8 - 44	164	34.29	7700	2.4						
	10 - 52	138	28.88	7380	2.9						
	6.4 - 32	220	47.02	3900	0.90						
	6.8 - 34	205	43.83	4160	0.95	FA	37	DRU	80MJ4	MM07	25
	7.8 - 39	183	38.31	4520	1.10	FAF	37	DRU	80MJ4	MM07	26
	8.4 - 42	171	35.91	4640	1.15	F	37	DRU	80MJ4	MM07	25
	9.5 - 47	151	31.69	4560	1.30	FF	37	DRU	80MJ4	MM07	27
	11 - 53	134	28.09	4470	1.50						
	13 - 63	114	23.88	4340	1.75						



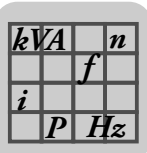
F..DR..J..MM..

F..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.75	15 - 73	98	20.57	4220	2.0						
	16 - 78	92	19.27	4160	2.2						
	18 - 88	81	17.03	4050	2.5						
	19 - 95	76	15.81	3980	2.6						
	21 - 105	68	14.33	3890	2.9						
	23 - 117	61	12.87	3790	3.3						
	27 - 135	53	11.08	3660	3.6						
	29 - 144	50	10.42	3600	3.7						
	33 - 167	43	8.97	3460	4.1						
	37 - 187	38	8.01	3360	4.4						
	40 - 202	36	7.44	3260	4.1						
	45 - 223	32	6.74	3170	4.4						
	50 - 248	29	6.05	3080	4.7						
	58 - 288	25	5.21	2960	5.0						
	61 - 306	23	4.90	2900	5.1						
	71 - 356	20	4.22	2780	5.5						
	80 - 398	18	3.77	2690	5.8						
	15 - 74	96	20.15	2840	1.35						
	16 - 80	90	18.84	2820	1.45						
	18 - 92	78	16.28	2750	1.65						
	22 - 108	66	13.84	2680	1.95						
	24 - 121	59	12.35	2620	2.2						
	28 - 142	50	10.55	2530	2.6	FA	27	DRU	80MJ4	MM07	18
	30 - 152	47	9.88	2500	2.8	FAF	27	DRU	80MJ4	MM07	19
	32 - 160	45	9.40	2430	2.9	F	27	DRU	80MJ4	MM07	19
	37 - 185	39	8.13	2350	3.2	FF	27	DRU	80MJ4	MM07	19
	43 - 217	33	6.91	2260	3.5						
	49 - 243	29	6.17	2200	3.7						
	57 - 285	25	5.27	2120	4.0						
	61 - 304	24	4.93	2080	4.1						
	72 - 361	20	4.16	1990	4.4						
1.1	1.1 - 5.4	1930	276.77	35500	2.2	FA	97	DRU	90MJ4	MM11	170
	1.2 - 5.9	1770	253.41	35800	2.4	FAF	97	DRU	90MJ4	MM11	195
	1.3 - 6.7	1560	223.88	36200	2.7	F	97	DRU	90MJ4	MM11	180
	1.6 - 7.9	1320	189.92	36500	3.2	FF	97	DRU	90MJ4	MM11	210
	1.3 - 6.6	1600	228.93	27600	1.85						
	1.5 - 7.6	1380	197.20	28100	2.2	FA	87	DRU	90MJ4	MM11	110
	1.7 - 8.3	1260	179.97	28400	2.4	FAF	87	DRU	90MJ4	MM11	120
	1.9 - 9.4	1110	159.61	28700	2.7	F	87	DRU	90MJ4	MM11	115
	2.2 - 11	930	134.16	29100	3.2	FF	87	DRU	90MJ4	MM11	130
	2.4 - 12	860	123.29	29300	3.5						
	1.8 - 9.0	1160	166.47	17600	1.30						
	2.1 - 11	990	142.27	18300	1.50						
	2.3 - 12	910	130.42	18600	1.65						
	2.6 - 13	800	114.45	19000	1.85	FA	77	DRU	90MJ4	MM11	69
	2.8 - 14	755	108.46*	19100	1.95	FAF	77	DRU	90MJ4	MM11	75
	3.2 - 16	660	94.93	19400	2.3	F	77	DRU	90MJ4	MM11	72
	3.5 - 18	595	85.52	19500	2.5	FF	77	DRU	90MJ4	MM11	83
	4.0 - 20	525	75.02	19600	2.9						
	4.1 - 21	505	72.50	19700	3.0						



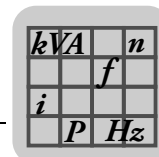
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.1	2.8 - 14	760	109.04	10800	1.05						
	3.1 - 16	670	95.94	11500	1.20						
	3.3 - 17	630	90.59	11700	1.30						
	3.8 - 19	555	79.76	12100	1.45	FA	67	DRU	90MJ4	MM11	46
	4.4 - 22	470	67.65	12500	1.75	FAF	67	DRU	90MJ4	MM11	52
	4.9 - 25	425	61.07	12700	1.90	F	67	DRU	90MJ4	MM11	48
	5.6 - 28	375	53.73	12900	2.2	FF	67	DRU	90MJ4	MM11	54
	5.9 - 30	355	50.74	13000	2.3						
	6.9 - 35	300	43.20	13000	2.7						
	7.6 - 38	270	39.26	13000	2.8						
	3.6 - 18	580	83.46	9320	1.05						
	5.1 - 25	410	58.97	10500	1.45	FA	57	DRU	90MJ4	MM11	42
	6.0 - 30	350	50.10	10800	1.70	FAF	57	DRU	90MJ4	MM11	47
	6.7 - 34	310	44.73	10600	1.90	F	57	DRU	90MJ4	MM11	42
	7.8 - 39	265	38.21	10200	2.2	FF	57	DRU	90MJ4	MM11	48
	8.4 - 42	250	35.79	10100	2.4						
	10.0 - 50	210	30.15	9640	2.8						
	12 - 60	175	24.96	9200	3.3	FA	57	DRU	90MJ4	MM11	41
						FAF	57	DRU	90MJ4	MM11	47
						F	57	DRU	90MJ4	MM11	41
						FF	57	DRU	90MJ4	MM11	48
	5.3 - 27	395	56.49	5990	1.00						
	6.2 - 31	335	48.00*	6710	1.20	FA	47	DRU	90MJ4	MM11	34
	7.0 - 35	300	42.86	7060	1.35	FAF	47	DRU	90MJ4	MM11	37
	8.2 - 41	255	36.61	7260	1.55	F	47	DRU	90MJ4	MM11	35
	8.8 - 44	240	34.29	7180	1.65	FF	47	DRU	90MJ4	MM11	38
	10 - 52	200	28.88	6940	2.00						
	12 - 58	180	25.72	6780	2.2	FA	47	DRU	90MJ4	MM11	33
	14 - 69	153	21.82	6540	2.6	FAF	47	DRU	90MJ4	MM11	36
	15 - 76	138	19.70	6390	2.9	F	47	DRU	90MJ4	MM11	34
						FF	47	DRU	90MJ4	MM11	37
	9.5 - 47	220	31.69	3950	0.90	FA	37	DRU	90MJ4	MM11	29
	11 - 53	197	28.09	3960	1.00	FAF	37	DRU	90MJ4	MM11	31
	13 - 63	167	23.88	3910	1.20	F	37	DRU	90MJ4	MM11	30
						FF	37	DRU	90MJ4	MM11	31
	18 - 88	119	17.03	3740	1.70						
	21 - 105	100	14.33	3630	2.00						
	23 - 117	90	12.87	3560	2.2						
	27 - 135	78	11.08	3450	2.4						
	29 - 144	73	10.42	3410	2.5	FA	37	DRU	90MJ4	MM11	29
	33 - 167	63	8.97	3300	2.8	FAF	37	DRU	90MJ4	MM11	30
	37 - 187	56	8.01	3210	3.0	F	37	DRU	90MJ4	MM11	29
	45 - 223	47	6.74	3040	3.0	FF	37	DRU	90MJ4	MM11	31
	50 - 248	42	6.05	2960	3.2						
	58 - 288	36	5.21	2850	3.4						
	61 - 306	34	4.90	2800	3.5						
	71 - 356	30	4.22	2700	3.7						
	80 - 398	26	3.77	2620	4.0						
1.1	18 - 92	114	16.28	2430	1.15						
	22 - 108	97	13.84	2400	1.35						
	24 - 121	87	12.35	2370	1.50						
	28 - 142	74	10.55	2320	1.75	FA	27	DRU	90MJ4	MM11	23
	30 - 152	69	9.88	2300	1.90	FAF	27	DRU	90MJ4	MM11	23
	37 - 185	57	8.13	2170	2.2	F	27	DRU	90MJ4	MM11	23
	43 - 217	48	6.91	2110	2.4	FF	27	DRU	90MJ4	MM11	24
	49 - 243	43	6.17	2070	2.5						
	57 - 285	37	5.27	2000	2.7						
	61 - 304	35	4.93	1970	2.8						
	72 - 361	29	4.16	1900	3.0						



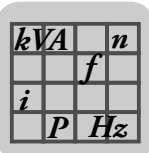
F..DR..J..MM..

F..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	1.1 - 5.4	2640	276.77	34100	1.65						
	1.2 - 5.9	2410	253.41	34600	1.80	FA	97	DRU	90LJ4	MM15	175
	1.3 - 6.7	2130	223.88	35100	2.0	FAF	97	DRU	90LJ4	MM15	195
	1.6 - 7.9	1810	189.92	35700	2.4	F	97	DRU	90LJ4	MM15	180
	1.7 - 8.6	1660	174.87	36000	2.6	FF	97	DRU	90LJ4	MM15	215
	1.9 - 9.6	1490	156.30	36300	2.9						
	1.3 - 6.6	2180	228.93	25900	1.35						
	1.5 - 7.6	1880	197.20	26800	1.60	FA	87	DRU	90LJ4	MM15	110
	1.7 - 8.3	1710	179.97	27200	1.75	FAF	87	DRU	90LJ4	MM15	125
	1.9 - 9.4	1520	159.61	27800	1.95	F	87	DRU	90LJ4	MM15	115
	2.2 - 11	1280	134.16	28400	2.3	FF	87	DRU	90LJ4	MM15	135
	2.4 - 12	1170	123.29	28600	2.6						
	2.7 - 14	1040	109.49	28900	2.9						
	1.8 - 9.0	1580	166.47	15100	0.95						
	2.1 - 11	1350	142.27	16600	1.10						
	2.3 - 12	1240	130.42	17200	1.20						
	2.6 - 13	1090	114.45	17900	1.35						
	2.8 - 14	1030	108.46*	18200	1.45	FA	77	DRU	90LJ4	MM15	71
	3.2 - 16	900	94.93	18600	1.65	FAF	77	DRU	90LJ4	MM15	78
	3.5 - 18	810	85.52	18900	1.85	F	77	DRU	90LJ4	MM15	75
	4.0 - 20	715	75.02	19200	2.1	FF	77	DRU	90LJ4	MM15	86
	4.1 - 21	690	72.50	19300	2.2						
	4.5 - 23	630	66.46	19400	2.4						
	5.1 - 26	555	58.32	19600	2.7						
	5.4 - 27	525	55.27	19600	2.8						
	3.8 - 19	760	79.76	10800	1.10						
	4.4 - 22	645	67.65	11600	1.25						
	4.9 - 25	580	61.07	12000	1.40	FA	67	DRU	90LJ4	MM15	48
	5.6 - 28	510	53.73	12300	1.60	FAF	67	DRU	90LJ4	MM15	55
	5.9 - 30	480	50.74	12500	1.70	F	67	DRU	90LJ4	MM15	51
	6.9 - 35	410	43.20	12800	2.00	FF	67	DRU	90LJ4	MM15	57
	7.6 - 38	370	39.26	12900	2.1						
	8.8 - 44	320	34.01	13000	2.3						
	9.4 - 47	305	32.08	13000	2.7	FA	67	DRU	90LJ4	MM15	47
	11 - 55	260	27.41	13000	3.1	FAF	67	DRU	90LJ4	MM15	54
	12 - 60	240	25.13	13000	3.4	F	67	DRU	90LJ4	MM15	50
						FF	67	DRU	90LJ4	MM15	56
	5.1 - 25	560	58.97	9480	1.05						
	6.0 - 30	475	50.10	10100	1.25	FA	57	DRU	90LJ4	MM15	45
	6.7 - 34	425	44.73	9900	1.40	FAF	57	DRU	90LJ4	MM15	50
	7.8 - 39	360	38.21	9630	1.65	F	57	DRU	90LJ4	MM15	45
	8.4 - 42	340	35.79	9510	1.75	FF	57	DRU	90LJ4	MM15	51
	10.0 - 50	285	30.15	9190	2.0						
	12 - 60	235	24.96	8820	2.4	FA	57	DRU	90LJ4	MM15	44
	14 - 71	200	21.17	8490	3.0	FAF	57	DRU	90LJ4	MM15	49
	16 - 78	182	19.11	8280	3.3	F	57	DRU	90LJ4	MM15	44
						FF	57	DRU	90LJ4	MM15	51



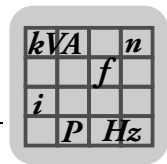
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	8.2 - 41	345	36.61	6560	1.15	FA	47	DRU	90LJ4	MM15	37
	8.8 - 44	325	34.29	6580	1.20	FAF	47	DRU	90LJ4	MM15	39
	10 - 52	275	28.88	6440	1.45	F	47	DRU	90LJ4	MM15	37
						FF	47	DRU	90LJ4	MM15	41
	12 - 58	245	25.72	6330	1.65						
	14 - 69	205	21.82	6160	1.90	FA	47	DRU	90LJ4	MM15	36
	15 - 76	188	19.70	6040	2.1	FAF	47	DRU	90LJ4	MM15	39
	17 - 87	165	17.33	5890	2.4	F	47	DRU	90LJ4	MM15	37
	18 - 92	156	16.36	5820	2.6	FF	47	DRU	90LJ4	MM15	40
	22 - 108	133	13.93	5620	3.0						
	18 - 88	163	17.03	3380	1.25						
	21 - 105	137	14.33	3330	1.45						
	23 - 117	123	12.87	3290	1.65						
	27 - 135	106	11.08	3220	1.80						
	29 - 144	100	10.42	3190	1.85						
	33 - 167	86	8.97	3110	2.0	FA	37	DRU	90LJ4	MM15	32
	37 - 187	77	8.01	3040	2.2	FAF	37	DRU	90LJ4	MM15	33
	45 - 223	64	6.74	2880	2.2	F	37	DRU	90LJ4	MM15	32
	50 - 248	58	6.05	2820	2.3	FF	37	DRU	90LJ4	MM15	34
	58 - 288	50	5.21	2730	2.5						
	61 - 306	47	4.90	2690	2.6						
	71 - 356	40	4.22	2600	2.7						
	80 - 398	36	3.77	2530	2.9						
	22 - 108	132	13.84	2090	1.00						
	24 - 121	118	12.35	2090	1.10						
	28 - 142	101	10.55	2090	1.30						
	30 - 152	94	9.88	2080	1.40	FA	27	DRU	90LJ4	MM15	25
	37 - 185	78	8.13	1970	1.60	FAF	27	DRU	90LJ4	MM15	26
	43 - 217	66	6.91	1940	1.75	F	27	DRU	90LJ4	MM15	26
	49 - 243	59	6.17	1910	1.85	FF	27	DRU	90LJ4	MM15	27
	57 - 285	50	5.27	1870	2.00						
	61 - 304	47	4.93	1850	2.0						
	72 - 361	40	4.16	1790	2.2						
2.2	1.1 - 5.4	3870	276.77	31100	1.10						
	1.2 - 5.9	3540	253.41	32000	1.20						
	1.3 - 6.7	3130	223.88	33000	1.35						
	1.6 - 7.9	2650	189.92	34100	1.60	FA	97	DRU	100MJ4	MM22	180
	1.7 - 8.6	2440	174.87	34500	1.75	FAF	97	DRU	100MJ4	MM22	200
	1.9 - 9.6	2180	156.30	35000	1.95	F	97	DRU	100MJ4	MM22	185
	2.1 - 11	1970	140.71	35400	2.2	FF	97	DRU	100MJ4	MM22	220
	2.4 - 12	1780	127.42	35800	2.4						
	2.7 - 13	1580	112.99	36100	2.7						
	2.9 - 15	1430	102.16	36400	3.0						
	1.5 - 7.6	2760	197.20	23900	1.10						
	1.7 - 8.3	2520	179.97	24700	1.20						
	1.9 - 9.4	2230	159.61	25700	1.35						
	2.2 - 11	1870	134.16	26800	1.60	FA	87	DRU	100MJ4	MM22	115
	2.4 - 12	1720	123.29	27200	1.75	FAF	87	DRU	100MJ4	MM22	130
	2.7 - 14	1530	109.49	27700	1.95	F	87	DRU	100MJ4	MM22	120
	3.1 - 15	1370	97.89	28100	2.2	FF	87	DRU	100MJ4	MM22	135
	3.4 - 17	1230	88.01	28300	2.4						
	3.9 - 20	1060	76.39	27400	2.8						
	4.4 - 22	950	68.40	26700	3.1						



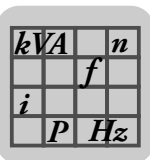
F..DR..J..MM..

F..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	2.6 - 13	1600	114.45	15000	0.95						
	2.8 - 14	1510	108.46*	15600	1.00						
	3.2 - 16	1320	94.93	16800	1.15						
	3.5 - 18	1190	85.52	17500	1.25						
	4.0 - 20	1050	75.02	18100	1.45	FA	77	DRU	100MJ4	MM22	76
	4.1 - 21	1010	72.50	18200	1.50	FAF	77	DRU	100MJ4	MM22	83
	4.5 - 23	930	66.46	18600	1.60	F	77	DRU	100MJ4	MM22	80
	5.1 - 26	810	58.32	18900	1.85	FF	77	DRU	100MJ4	MM22	91
	5.4 - 27	770	55.27	19100	1.95						
	6.2 - 31	675	48.37	19300	2.2						
	6.9 - 34	610	43.58	19500	2.5						
	7.8 - 39	535	38.23	19600	2.8						
	4.9 - 25	850	61.07	9980	0.95						
	5.6 - 28	750	53.73	10900	1.10	FA	67	DRU	100MJ4	MM22	53
	5.9 - 30	710	50.74	11200	1.15	FAF	67	DRU	100MJ4	MM22	59
	6.9 - 35	605	43.20	11900	1.35	F	67	DRU	100MJ4	MM22	56
	7.6 - 38	545	39.26	12200	1.40	FF	67	DRU	100MJ4	MM22	62
	8.8 - 44	475	34.01	12500	1.55						
	11 - 55	380	27.41	12900	2.1	FA	67	DRU	100MJ4	MM22	52
	12 - 60	350	25.13	13000	2.3	FAF	67	DRU	100MJ4	MM22	58
	14 - 68	305	22.05	13000	2.6	F	67	DRU	100MJ4	MM22	55
	14 - 72	290	20.90*	13000	2.8	FF	67	DRU	100MJ4	MM22	61
	16 - 82	255	18.29	13000	3.2						
	6.7 - 34	625	44.73	8440	0.95	FA	57	DRU	100MJ4	MM22	49
	7.8 - 39	535	38.21	8620	1.10	FAF	57	DRU	100MJ4	MM22	55
	8.4 - 42	500	35.79	8560	1.20	F	57	DRU	100MJ4	MM22	49
	10.0 - 50	420	30.15	8390	1.40	FF	57	DRU	100MJ4	MM22	56
	14 - 71	295	21.17	7930	2.0	FA	57	DRU	100MJ4	MM22	49
	16 - 78	265	19.11	7770	2.2	FAF	57	DRU	100MJ4	MM22	54
	18 - 89	235	16.81	7570	2.6	F	57	DRU	100MJ4	MM22	49
	19 - 94	220	15.88	7480	2.7	FF	57	DRU	100MJ4	MM22	55
	22 - 111	189	13.52	7220	3.2						
	14 - 69	305	21.82	5500	1.30						
	15 - 76	275	19.70	5440	1.45						
	17 - 87	240	17.33	5360	1.65	FA	47	DRU	100MJ4	MM22	41
	18 - 92	225	16.36	5320	1.75	FAF	47	DRU	100MJ4	MM22	44
	22 - 108	195	13.93	5200	2.0	F	47	DRU	100MJ4	MM22	42
	24 - 118	177	12.66	5110	2.3	FF	47	DRU	100MJ4	MM22	45
	27 - 137	154	10.97	4980	2.6						
	34 - 167	125	8.96	4680	2.6						
	38 - 190	110	7.88	4560	3.4						
3.0	1.3 - 6.7	4270	223.88	30000	1.00						
	1.6 - 7.9	3620	189.92	31800	1.20						
	1.7 - 8.6	3330	174.87	32500	1.30						
	1.9 - 9.6	2980	156.30	33300	1.45						
	2.1 - 11	2680	140.71	34000	1.60	FA	97	DRU	100LJ4	MM30	185
	2.4 - 12	2430	127.42	34500	1.75	FAF	97	DRU	100LJ4	MM30	205
	2.7 - 13	2150	112.99	35100	2.00	F	97	DRU	100LJ4	MM30	190
	2.9 - 15	1950	102.16	35500	2.2	FF	97	DRU	100LJ4	MM30	225
	3.1 - 15	1860	97.58	35600	2.3						
	3.3 - 17	1710	89.85	35900	2.5						
	3.5 - 17	1650	86.59	36000	2.6						
	3.7 - 19	1530	80.31	36200	2.8						
	4.2 - 21	1380	72.29	36500	3.1						

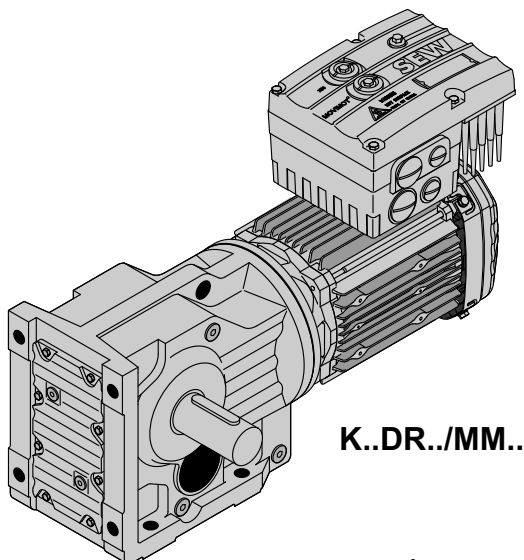


P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
3.0	2.2 - 11	2560	134.16	24600	1.15						
	2.4 - 12	2350	123.29	25300	1.25						
	2.7 - 14	2090	109.49	26200	1.45						
	3.1 - 15	1860	97.89	26800	1.60	FA	87	DRU	100LJ4	MM30	120
	3.4 - 17	1680	88.01	26600	1.80	FAF	87	DRU	100LJ4	MM30	130
	3.9 - 20	1450	76.39	25900	2.1	F	87	DRU	100LJ4	MM30	125
	4.4 - 22	1300	68.40	25400	2.3	FF	87	DRU	100LJ4	MM30	140
	5.3 - 26	1080	56.75	24400	2.8						
	6.0 - 30	960	50.36	23800	3.1						
	3.5 - 18	1630	85.52	14800	0.90						
	4.0 - 20	1430	75.02	16200	1.05						
	5.1 - 26	1110	58.32	17800	1.35						
	5.4 - 27	1050	55.27	18100	1.40	FA	77	DRU	100LJ4	MM30	79
	6.2 - 31	920	48.37	18600	1.60	FAF	77	DRU	100LJ4	MM30	86
	6.9 - 34	830	43.58	18900	1.80	F	77	DRU	100LJ4	MM30	83
	7.8 - 39	730	38.23	19200	2.0	FF	77	DRU	100LJ4	MM30	94
	8.9 - 44	640	33.74	19400	2.3						
	10 - 50	570	29.91	19600	2.6						
	12 - 59	485	25.54	19700	3.0						
	12 - 59	485	25.50*	19700	3.1	FA	77	DRU	100LJ4	MM30	78
						FAF	77	DRU	100LJ4	MM30	84
						F	77	DRU	100LJ4	MM30	82
						FF	77	DRU	100LJ4	MM30	92



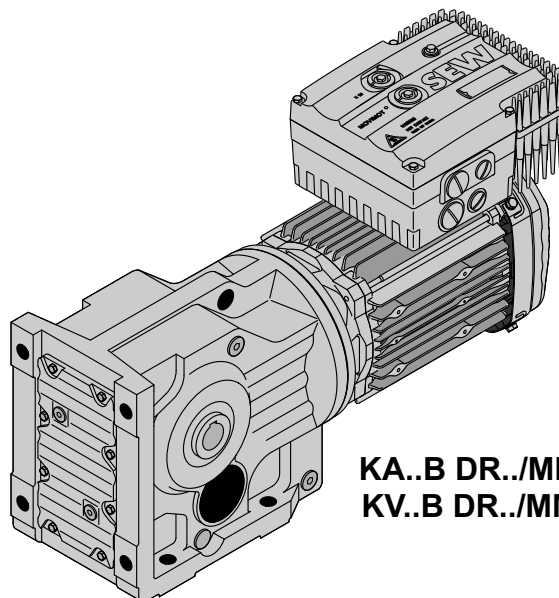
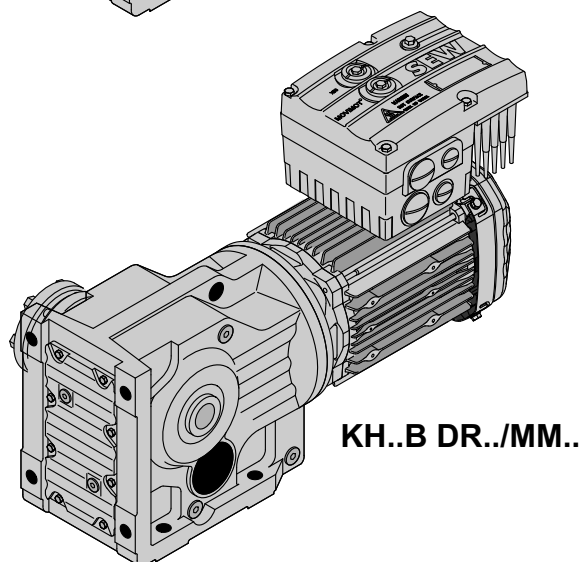
6 K..DR..J..MM..

MM03 – MM15

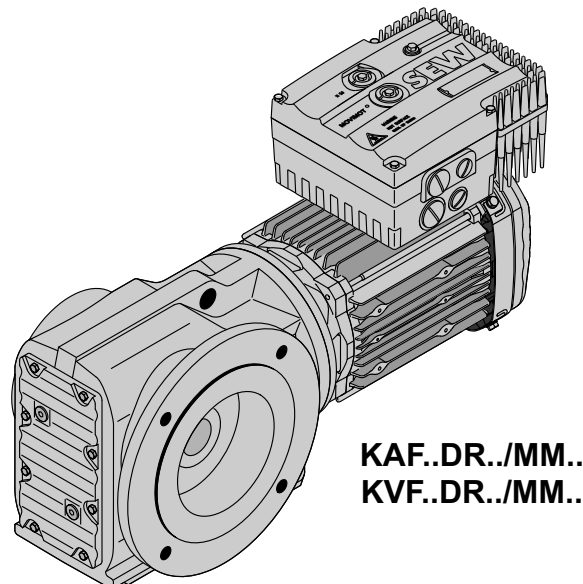
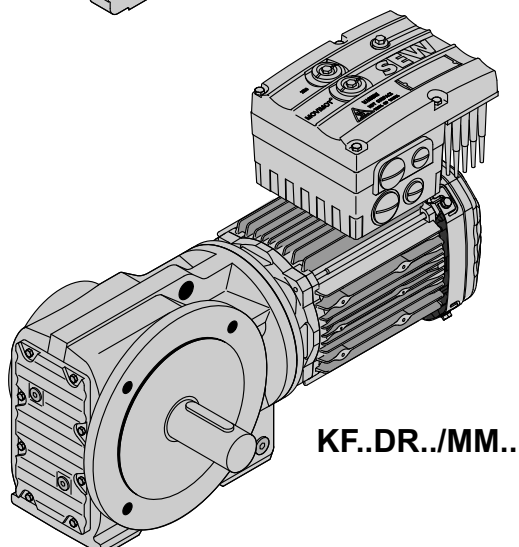


K..DR../MM..

MM22 – MM30

KA..B DR../MM..
KV..B DR../MM..

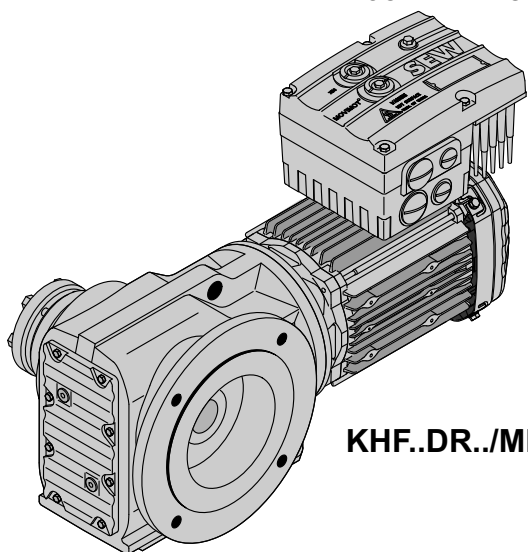
KH..B DR../MM..

KAF..DR../MM..
KVF..DR../MM..

KF..DR../MM..

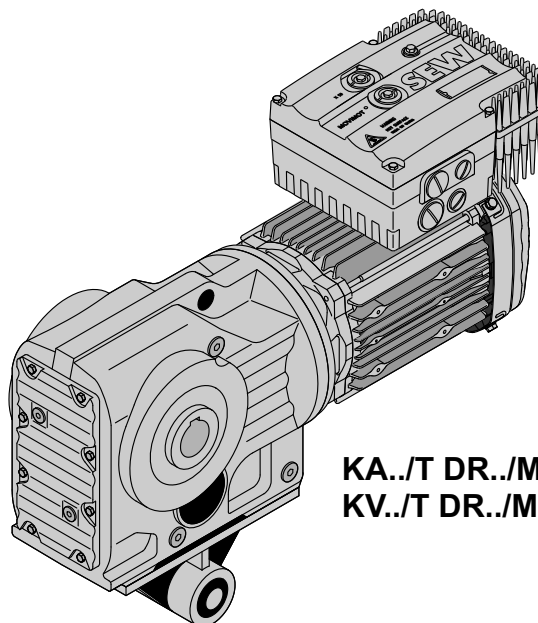
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MM03 – MM15

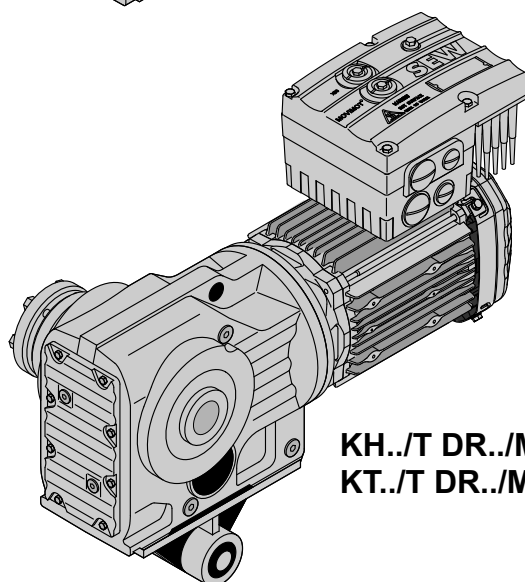
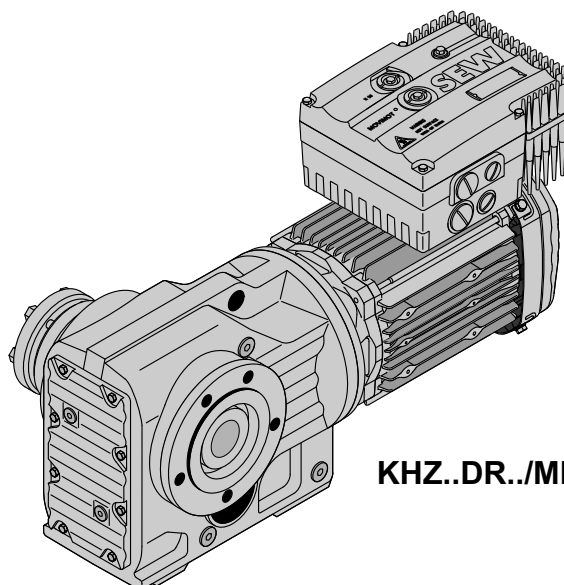


KHF..DR../MM..

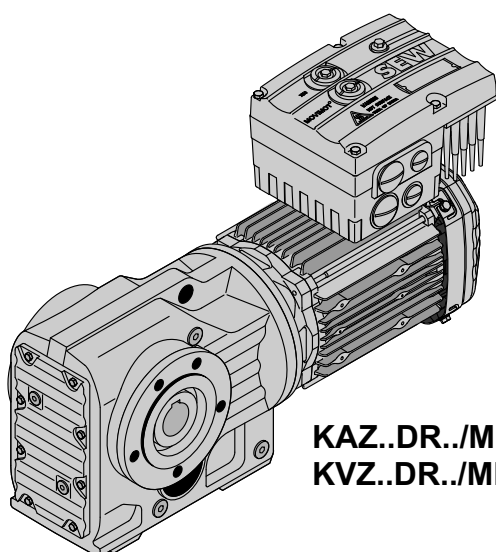
MM22 – MM30

KA../T DR../MM..
KV../T DR../MM..

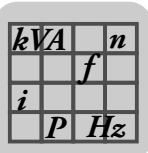
6

KH../T DR../MM..
KT../T DR../MM..

KHZ..DR../MM..

KAZ..DR../MM..
KVZ..DR../MM..

5938160651

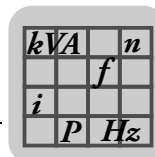


K..DR..J..MM..

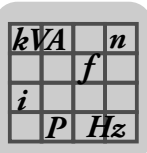
K..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

6.1 K..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	2.1 - 18	290	144.79*	13000	2.8	K	67	DRE	71SJ4	MM05	36
	2.4 - 21	245	123.54	13000	3.3	KF	67	DRE	71SJ4	MM05	42
	2.8 - 24	215	108.03	13000	3.8	KA	67	DRE	71SJ4	MM05	34
	2.9 - 25	205	102.62	13000	4.0	KAF	67	DRE	71SJ4	MM05	39
	2.1 - 18	290	145.14*	9320	2.0	K	57	DRE	71SJ4	MM05	31
	2.4 - 21	245	123.85	9470	2.4	KF	57	DRE	71SJ4	MM05	35
	2.8 - 24	215	108.29	9570	2.8	KA	57	DRE	71SJ4	MM05	29
	2.9 - 25	205	102.88*	9610	2.9	KAF	57	DRE	71SJ4	MM05	34
	3.3 - 29	182	90.26*	9690	3.3						
	2.3 - 20	265	131.87*	7350	1.50						
	2.5 - 21	240	121.48*	7500	1.65	K	47	DRE	71SJ4	MM05	25
	2.9 - 25	210	104.37	7720	1.90	KF	47	DRE	71SJ4	MM05	28
	3.3 - 29	183	90.86	7860	2.2	KA	47	DRE	71SJ4	MM05	24
	3.5 - 31	171	85.12*	7920	2.3	KAF	47	DRE	71SJ4	MM05	27
	4.0 - 35	151	75.20*	8000	2.6						
	4.3 - 37	141	69.84	8040	2.8						
	2.8 - 25	210	106.38	4830	0.95						
	3.1 - 27	197	97.81	4800	1.00						
	3.6 - 31	168	83.69	4720	1.20						
	4.1 - 36	146	72.54	4640	1.35						
	4.4 - 38	136	67.80	4590	1.45						
	5.1 - 45	118	58.60	4480	1.70						
	6.0 - 52	100	49.79	4350	2.0						
	6.8 - 59	89	44.46	4250	2.2						
	7.9 - 69	76	37.97	4110	2.6						
	8.4 - 73	72	35.57	4050	2.8						
	10 - 87	60	29.96	3890	3.3	K	37	DRE	71SJ4	MM05	19
	10 - 91	58	28.83	3860	3.4	KF	37	DRE	71SJ4	MM05	21
	12 - 104	50	24.99	3720	4.0	KA	37	DRE	71SJ4	MM05	18
	13 - 112	47	23.36	3660	4.2	KAF	37	DRE	71SJ4	MM05	20
	15 - 129	41	20.19	3520	4.6						
	17 - 152	35	17.15	3380	5.2						
	20 - 170	31	15.31	3270	5.7						
	23 - 200	26	13.08	3130	6.3						
	25 - 215	24	12.14	3070	6.6						
	29 - 249	21	10.49	2940	7.6						
	34 - 293	18	8.91	2800	8.9						
	38 - 328	16	7.96	2710	9.7						
	44 - 384	14	6.80	2580	11						
	47 - 410	13	6.37	2540	11						
	56 - 487	11	5.36	2410	13						
0.75	2.0 - 17	420	154.02	19800	3.7	K	77	DRE	71MJ4	MM07	64
	2.2 - 19	370	135.28	19900	4.2	KF	77	DRE	71MJ4	MM07	72
	2.3 - 20	350	128.52	19900	4.4	KA	77	DRE	71MJ4	MM07	56
	2.6 - 23	310	113.56	20000	5.0	KAF	77	DRE	71MJ4	MM07	64
	2.4 - 21	335	123.54	13000	2.4	K	67	DRE	71MJ4	MM07	39
	2.8 - 24	295	108.03	13000	2.8	KF	67	DRE	71MJ4	MM07	45
	2.9 - 25	280	102.62	13000	2.9	KA	67	DRE	71MJ4	MM07	36
	3.3 - 29	245	90.04	13000	3.3	KAF	67	DRE	71MJ4	MM07	42
	2.4 - 21	335	123.85	9130	1.75						
	2.8 - 24	295	108.29	9300	2.0	K	57	DRE	71MJ4	MM07	33
	2.9 - 25	280	102.88*	9350	2.1	KF	57	DRE	71MJ4	MM07	38
	3.3 - 29	245	90.26*	9470	2.4	KA	57	DRE	71MJ4	MM07	31
	3.9 - 34	210	76.56*	9600	2.9	KAF	57	DRE	71MJ4	MM07	37
	4.3 - 38	190	69.12	9660	3.2						
	4.9 - 43	167	60.81*	9740	3.6						



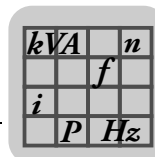
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	2.9 - 25	285	104.37	7180	1.40	K 47 KF 47 KA 47 KAF 47	DRE	71MJ4	MM07		27
	3.3 - 29	245	90.86	7460	1.60						
	3.5 - 31	230	85.12*	7570	1.70						
	4.0 - 35	205	75.20*	7740	1.95						
	4.3 - 37	192	69.84	7820	2.1						
	4.7 - 41	174	63.30*	7670	2.3						
	5.3 - 46	156	56.83	7480	2.6						
	6.1 - 53	134	48.95*	7230	3.0	K 37 KF 37 KA 37 KAF 37	DRE	71MJ4	MM07		20
	6.5 - 57	126	46.03*	7120	3.2						
	3.6 - 31	225	83.69	4170	0.85						
	4.1 - 36	199	72.54	4150	1.00						
	4.4 - 38	186	67.80	4140	1.10						
	5.1 - 45	161	58.60	4090	1.25						
	6.0 - 52	137	49.79	4020	1.45						
	6.8 - 59	122	44.46	3960	1.65						
	7.9 - 69	104	37.97	3860	1.90						
	8.4 - 73	98	35.57	3820	2.0						
	10 - 87	82	29.96	3690	2.4						
	10 - 91	79	28.83	3670	2.5						
	12 - 104	69	24.99	3560	2.9						
	13 - 112	64	23.36	3500	3.0						
	15 - 129	55	20.19	3390	3.3						
	17 - 152	47	17.15	3260	3.8						
	20 - 170	42	15.31	3170	4.2						
	23 - 200	36	13.08	3040	4.6						
	25 - 215	33	12.14	2980	4.8						
	29 - 249	29	10.49	2870	5.6						
	34 - 293	24	8.91	2740	6.5						
	38 - 328	22	7.96	2660	7.1						
	44 - 384	19	6.80	2540	8.0						
	47 - 410	17	6.37	2490	8.3						
	56 - 487	15	5.36	2370	9.5						
	75 - 656	11	3.98	2170	11						
1.1	2.0 - 17	615	154.02	19500	2.5	K 77 KF 77 KA 77 KAF 77	DRE	71MJ4	MM11		64
	2.2 - 19	540	135.28	19600	2.8						
	2.3 - 20	515	128.52	19700	3.0						
	2.6 - 23	455	113.56	19800	3.4						
	2.4 - 21	495	123.54	12400	1.65	K 67 KF 67 KA 67 KAF 67	DRE	71MJ4	MM11		39
	2.8 - 24	430	108.03	12700	1.90						
	2.9 - 25	410	102.62	12800	2.00						
	3.3 - 29	360	90.04	12900	2.3						
	3.9 - 34	305	76.37	13000	2.7						
	4.4 - 38	275	68.95	13000	3.0						
	5.0 - 43	240	60.66	13000	3.4						
	5.2 - 46	230	57.28	13000	3.6	K 57 KF 57 KA 57 KAF 57	DRE	71MJ4	MM11		33
	2.4 - 21	495	123.85	8420	1.20						
	2.8 - 24	435	108.29	8720	1.40						
	2.9 - 25	410	102.88*	8820	1.45						
	3.3 - 29	360	90.26*	9040	1.65						
	3.9 - 34	305	76.56*	9260	1.95						
	4.3 - 38	275	69.12	9370	2.2						
	4.9 - 43	240	60.81*	9480	2.4						
	5.2 - 45	230	57.42*	9530	2.6						
	6.1 - 53	197	48.89	9420	3.0						
	6.8 - 59	179	44.43	9200	3.4						



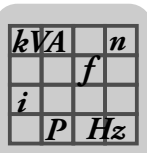
K..DR..J..MM..

K..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.1	2.9 - 25	420	104.37	4290	0.95						
	3.3 - 29	365	90.86	6380	1.10						
	3.5 - 31	340	85.12*	6640	1.15						
	4.0 - 35	300	75.20*	7040	1.30	K	47	DRE	71MJ4	MM11	27
	4.3 - 37	280	69.84	7150	1.40	KF	47	DRE	71MJ4	MM11	31
	4.7 - 41	250	63.30*	7050	1.55	KA	47	DRE	71MJ4	MM11	26
	5.3 - 46	225	56.83	6930	1.75	KAF	47	DRE	71MJ4	MM11	29
	6.1 - 53	197	48.95*	6750	2.0						
	6.5 - 57	185	46.03*	6670	2.2						
	7.6 - 66	159	39.61	6480	2.5						
	4.4 - 38	270	67.80	0	0.75						
	5.1 - 45	235	58.60	3410	0.85						
	6.0 - 52	200	49.79	3440	1.00						
	6.8 - 59	179	44.46	3440	1.10						
	7.9 - 69	153	37.97	3420	1.30						
	8.4 - 73	143	35.57	3400	1.40						
	10 - 87	121	29.96	3340	1.65						
	10 - 91	116	28.83	3330	1.70						
	12 - 104	101	24.99	3270	2.00						
	13 - 112	94	23.36	3230	2.1	K	37	DRE	71MJ4	MM11	20
	15 - 129	81	20.19	3160	2.3	KF	37	DRE	71MJ4	MM11	22
	17 - 152	69	17.15	3060	2.6	KA	37	DRE	71MJ4	MM11	20
	20 - 170	62	15.31	2990	2.8	KAF	37	DRE	71MJ4	MM11	21
	23 - 200	53	13.08	2890	3.1						
	25 - 215	49	12.14	2840	3.3						
	29 - 249	42	10.49	2750	3.8						
	34 - 293	36	8.91	2640	4.5						
	38 - 328	32	7.96	2560	4.8						
	44 - 384	27	6.80	2460	5.5						
	47 - 410	26	6.37	2420	5.7						
	56 - 487	22	5.36	2310	6.5						
	75 - 656	16	3.98	2120	7.8						
1.5	1.7 - 15	950	174.19	28800	2.8	K	87	DRE	80SJ4	MM15	105
	1.8 - 16	900	164.34*	28800	3.0	KF	87	DRE	80SJ4	MM15	110
	2.0 - 18	800	147.32*	28900	3.3	KA	87	DRE	80SJ4	MM15	91
	2.4 - 21	695	126.91*	28900	3.9	KAF	87	DRE	80SJ4	MM15	105
	2.2 - 19	740	135.28	19200	2.1	K	77	DRE	80SJ4	MM15	66
	2.3 - 20	705	128.52	19200	2.2	KF	77	DRE	80SJ4	MM15	74
	2.6 - 23	620	113.56	19400	2.5	KA	77	DRE	80SJ4	MM15	58
						KAF	77	DRE	80SJ4	MM15	66
	2.8 - 24	590	108.03	11900	1.40						
	2.9 - 25	560	102.62	12100	1.45						
	3.3 - 29	490	90.04	12400	1.65						
	3.9 - 34	415	76.37	12700	1.95	K	67	DRE	80SJ4	MM15	41
	4.4 - 38	375	68.95	12900	2.2	KF	67	DRE	80SJ4	MM15	47
	5.0 - 43	330	60.66	13000	2.5	KA	67	DRE	80SJ4	MM15	39
	5.2 - 46	310	57.28	13000	2.6	KAF	67	DRE	80SJ4	MM15	44
	6.2 - 54	265	48.77	13000	3.1						
	6.8 - 59	240	44.32	13000	3.4						



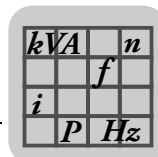
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	2.8 - 24	590	108.29	7680	1.00						
	2.9 - 25	560	102.88*	7920	1.05						
	3.3 - 29	495	90.26*	8440	1.20						
	3.9 - 34	420	76.56*	8790	1.45						
	4.3 - 38	375	69.12	8970	1.60	K	57	DRE	80SJ4	MM15	35
	4.9 - 43	330	60.81*	9160	1.80	KF	57	DRE	80SJ4	MM15	40
	5.2 - 45	315	57.42*	9230	1.90	KA	57	DRE	80SJ4	MM15	33
	6.1 - 53	265	48.89	8950	2.2	KAF	57	DRE	80SJ4	MM15	39
	6.8 - 59	240	44.43	8780	2.5						
	7.8 - 68	210	38.49	8500	2.8						
	8.4 - 73	196	35.70	8360	3.1						
	3.5 - 31	465	85.12*	0	0.85						
	4.0 - 35	410	75.20*	5180	0.95						
	4.3 - 37	380	69.84	6150	1.05						
	4.7 - 41	345	63.30*	6340	1.15						
	5.3 - 46	310	56.83	6300	1.30	K	47	DRE	80SJ4	MM15	30
	6.1 - 53	265	48.95*	6200	1.50	KF	47	DRE	80SJ4	MM15	33
	6.5 - 57	250	46.03*	6160	1.60	KA	47	DRE	80SJ4	MM15	29
	7.6 - 66	215	39.61	6030	1.85	KAF	47	DRE	80SJ4	MM15	32
	8.5 - 74	194	35.39	5930	2.1						
	9.6 - 83	172	31.30	5800	2.3						
	10 - 89	161	29.32	5730	2.5						
	6.8 - 59	240	44.46	2850	0.80						
	7.9 - 69	205	37.97	2910	0.95						
	8.4 - 73	195	35.57	2930	1.00						
	10 - 87	164	29.96	2950	1.20						
	12 - 104	137	24.99	2930	1.45						
	13 - 112	128	23.36	2920	1.50						
	15 - 129	111	20.19	2890	1.65						
	17 - 152	94	17.15	2830	1.90	K	37	DRE	80SJ4	MM15	22
	20 - 170	84	15.31	2790	2.1	KF	37	DRE	80SJ4	MM15	24
	23 - 200	72	13.08	2720	2.3	KA	37	DRE	80SJ4	MM15	22
	25 - 215	67	12.14	2680	2.4	KAF	37	DRE	80SJ4	MM15	23
	29 - 249	58	10.49	2610	2.8						
	34 - 293	49	8.91	2520	3.3						
	38 - 328	44	7.96	2460	3.6						
	44 - 384	37	6.80	2370	4.0						
	47 - 410	35	6.37	2340	4.2						
	56 - 487	29	5.36	2240	4.8						
	75 - 656	22	3.98	2070	5.7						
2.2	2.6 - 23	910	113.56	18600	1.70						
	3.1 - 27	780	97.05	19000	2.00						
	3.4 - 29	715	88.97	19200	2.2						
	3.8 - 33	625	78.07	19400	2.5	K	77	DRE	80MJ4	MM22	69
	4.0 - 35	595	73.99	19500	2.6	KF	77	DRE	80MJ4	MM22	77
	4.6 - 40	520	64.75	19700	3.0	KA	77	DRE	80MJ4	MM22	61
	5.1 - 45	465	58.34	19700	3.3	KAF	77	DRE	80MJ4	MM22	69
	5.9 - 51	410	51.18	19800	3.8						
	6.6 - 58	360	45.16	19900	4.3						
	7.5 - 65	320	40.04	20000	4.8						



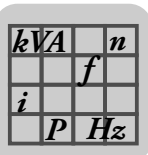
K..DR..J..MM..

K..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	3.3 - 29	720	90.04	11100	1.15						
	3.9 - 34	610	76.37	11800	1.35						
	4.4 - 38	550	68.95	12100	1.50						
	5.0 - 43	485	60.66	12500	1.70	K	67	DRE	80MJ4	MM22	44
	5.2 - 46	460	57.28	12600	1.80	KF	67	DRE	80MJ4	MM22	50
	6.2 - 54	390	48.77	12800	2.1	KA	67	DRE	80MJ4	MM22	41
	6.8 - 59	355	44.32	13000	2.3	KAF	67	DRE	80MJ4	MM22	47
	7.8 - 68	305	38.39	13000	2.6						
	8.4 - 73	285	35.62	13000	2.9						
	9.9 - 86	240	30.22	13000	3.4						
	3.3 - 29	725	90.26*	0	0.85						
	3.9 - 34	615	76.56*	7490	0.95						
	4.3 - 38	555	69.12	7980	1.10						
	4.9 - 43	485	60.81*	8310	1.25						
	5.2 - 45	460	57.42*	8270	1.30	K	57	DRE	80MJ4	MM22	38
	6.1 - 53	390	48.89	8130	1.50	KF	57	DRE	80MJ4	MM22	43
	6.8 - 59	355	44.43	8030	1.70	KA	57	DRE	80MJ4	MM22	36
	7.8 - 68	305	38.49	7860	1.95	KAF	57	DRE	80MJ4	MM22	42
	8.4 - 73	285	35.70	7760	2.1						
	9.9 - 86	240	30.28	7530	2.5						
	11 - 95	220	27.34	7380	2.7						
	12 - 109	194	24.05	7180	3.1						
	13 - 115	183	22.71	7100	3.3						
	5.3 - 46	455	56.83	0	0.85						
	6.1 - 53	390	48.95*	5250	1.00						
	6.5 - 57	370	46.03*	5260	1.10						
	7.6 - 66	315	39.61	5260	1.25						
	8.5 - 74	280	35.39	5240	1.40						
	12 - 101	205	25.91	5090	1.90	K	47	DRE	80MJ4	MM22	32
	14 - 120	176	21.81	4960	2.3	KF	47	DRE	80MJ4	MM22	35
	15 - 133	158	19.58	4880	2.5	KA	47	DRE	80MJ4	MM22	31
	18 - 155	136	16.86	4750	2.8	KAF	47	DRE	80MJ4	MM22	34
	19 - 165	128	15.86	4700	3.0						
	22 - 191	110	13.65	4550	3.3						
	25 - 214	98	12.19	4440	3.6						
	26 - 222	95	11.77	4370	3.0						
	28 - 247	85	10.56	4260	3.3						
	10 - 87	240	29.96	2250	0.85						
	15 - 129	163	20.19	2420	1.15						
	17 - 152	138	17.15	2430	1.30						
	20 - 170	123	15.31	2430	1.40						
	23 - 200	105	13.08	2410	1.55	K	37	DRE	80MJ4	MM22	25
	29 - 249	84	10.49	2370	1.90	KF	37	DRE	80MJ4	MM22	27
	34 - 293	72	8.91	2320	2.2	KA	37	DRE	80MJ4	MM22	24
	38 - 328	64	7.96	2280	2.4	KAF	37	DRE	80MJ4	MM22	26
	44 - 384	55	6.80	2210	2.7						
	47 - 410	51	6.37	2190	2.8						
	56 - 487	43	5.36	2110	3.2						
	75 - 656	32	3.98	1980	3.9						
3.0	2.0 - 18	1610	147.32*	28400	1.65						
	2.4 - 21	1390	126.91*	28500	1.95	K	87	DRE	90MJ4	MM30	110
	2.6 - 23	1270	115.82	28600	2.1	KF	87	DRE	90MJ4	MM30	120
	2.9 - 25	1120	102.71*	28700	2.4	KA	87	DRE	90MJ4	MM30	97
	3.5 - 30	940	86.34	28800	2.8	KAF	87	DRE	90MJ4	MM30	110
	3.8 - 33	870	79.34	28800	3.1						
	4.3 - 37	770	70.46	28600	3.5						



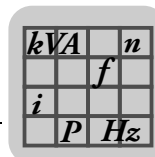
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	2.6 - 23	1240	113.56	17200	1.25						
	3.1 - 27	1060	97.05	18000	1.45						
	3.4 - 29	970	88.97	18400	1.60						
	3.8 - 33	850	78.07	18800	1.80	K	77	DRE	90MJ4	MM30	73
	4.0 - 35	810	73.99	19000	1.90	KF	77	DRE	90MJ4	MM30	81
	4.6 - 40	710	64.75	19200	2.2	KA	77	DRE	90MJ4	MM30	65
	5.1 - 45	640	58.34	19400	2.4	KAF	77	DRE	90MJ4	MM30	73
	5.9 - 51	560	51.18	19600	2.8						
	6.6 - 58	495	45.16	19700	3.1						
	7.5 - 65	435	40.04	19800	3.5						
	3.3 - 29	980	90.04	4370	0.85						
	3.9 - 34	830	76.37	10100	1.00						
	4.4 - 38	755	68.95	10800	1.10						
	5.0 - 43	665	60.66	11500	1.25						
	5.2 - 46	625	57.28	11700	1.30						
	6.2 - 54	535	48.77	12200	1.55	K	67	DRE	90MJ4	MM30	48
	6.8 - 59	485	44.32	12500	1.70	KF	67	DRE	90MJ4	MM30	53
	7.8 - 68	420	38.39	12700	1.90	KA	67	DRE	90MJ4	MM30	45
	8.4 - 73	390	35.62	12800	2.1	KAF	67	DRE	90MJ4	MM30	51
	9.9 - 86	330	30.22	13000	2.5						
	11 - 96	295	27.28	13000	2.7						
	12 - 109	260	24.00	13000	3.0						
	13 - 115	245	22.66	13000	3.1						
	16 - 135	210	19.30	13000	3.6						
	4.9 - 43	665	60.81*	4290	0.90						
	5.2 - 45	630	57.42*	7170	0.95						
	6.1 - 53	535	48.89	7190	1.10						
	6.8 - 59	485	44.43	7180	1.25						
	7.8 - 68	420	38.49	7120	1.40						
	8.4 - 73	390	35.70	7080	1.55						
	9.9 - 86	330	30.28	6950	1.80	K	57	DRE	90MJ4	MM30	42
	11 - 95	300	27.34	6860	2.0	KF	57	DRE	90MJ4	MM30	47
	12 - 109	260	24.05	6720	2.3	KA	57	DRE	90MJ4	MM30	40
	13 - 115	245	22.71	6660	2.4	KAF	57	DRE	90MJ4	MM30	46
	16 - 135	210	19.34	6470	2.7						
	17 - 149	193	17.57	6350	2.9						
	20 - 171	167	15.22	6160	3.2						
	23 - 197	145	13.25	5980	3.5						
	25 - 219	131	11.92	5720	3.2						
	27 - 232	124	11.26	5640	3.4						
	7.6 - 66	430	39.61	880	0.90						
	8.5 - 74	385	35.39	4450	1.05						
	12 - 101	280	25.91	4510	1.40	K	47	DRE	90MJ4	MM30	36
	14 - 120	235	21.81	4480	1.65	KF	47	DRE	90MJ4	MM30	39
	15 - 133	210	19.58	4440	1.85	KA	47	DRE	90MJ4	MM30	35
	18 - 155	185	16.86	4380	2.0	KAF	47	DRE	90MJ4	MM30	38
	19 - 165	174	15.86	4340	2.2						
	22 - 191	150	13.65	4250	2.4						
	25 - 214	134	12.19	4170	2.6						
3.0	15 - 129	220	20.19	1880	0.85						
	17 - 152	188	17.15	1980	0.95						
	20 - 170	168	15.31	2020	1.05						
	23 - 200	144	13.08	2060	1.15	K	37	DRE	90MJ4	MM30	29
	29 - 249	115	10.49	2090	1.40	KF	37	DRE	90MJ4	MM30	31
	34 - 293	98	8.91	2080	1.65	KA	37	DRE	90MJ4	MM30	29
	38 - 328	87	7.96	2060	1.75	KAF	37	DRE	90MJ4	MM30	31
	44 - 384	75	6.80	2030	2.0						
	47 - 410	70	6.37	2020	2.1						
	56 - 487	59	5.36	1970	2.4						
	75 - 656	44	3.98	1870	2.9						



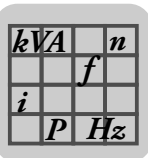
K..DR..J..MM..

K..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
4.0	1.7 - 15	2570	176.05*	40000	1.65	K	97	DRE	90LJ4	MM40	170
	2.0 - 17	2240	153.21*	40000	1.90	KF	97	DRE	90LJ4	MM40	190
	2.1 - 19	2050	140.28	40000	2.1	KA	97	DRE	90LJ4	MM40	150
	2.4 - 21	1810	123.93*	40000	2.4	KAF	97	DRE	90LJ4	MM40	175
	2.0 - 18	2150	147.32*	27900	1.25	K KF KA KAF	87	DRE	90LJ4	MM40	110
	2.4 - 21	1850	126.91*	28200	1.45						
	2.6 - 23	1690	115.82	28300	1.60						
	2.9 - 25	1500	102.71*	28500	1.80						
	3.5 - 30	1260	86.34	28600	2.1	K KF KA KAF	87	DRE	90LJ4	MM40	110
	3.8 - 33	1160	79.34	28200	2.3						
	4.3 - 37	1030	70.46	27600	2.6						
	2.6 - 23	1660	113.56	14500	0.95	K KF KA KAF	77	DRE	90LJ4	MM40	76
	3.1 - 27	1420	97.05	16200	1.10						
	3.4 - 29	1300	88.97	16900	1.20						
	3.8 - 33	1140	78.07	17700	1.35						
	4.0 - 35	1080	73.99	18000	1.45						
	4.6 - 40	940	64.75	18500	1.65						
	5.1 - 45	850	58.34	18800	1.80						
	5.9 - 51	745	51.18	19100	2.1						
	6.6 - 58	660	45.16	19400	2.4						
	7.5 - 65	585	40.04	19500	2.6						
	7.8 - 68	560	38.39	19600	2.7						
	3.9 - 34	1110	76.37	0	0.75	K KF KA KAF	67	DRE	90LJ4	MM40	51
	4.4 - 38	1000	68.95	0	0.80						
	5.0 - 43	880	60.66	9650	0.90						
	5.2 - 46	830	57.28	10100	1.00						
	6.2 - 54	710	48.77	11200	1.15						
	6.8 - 59	645	44.32	11600	1.25						
	7.8 - 68	560	38.39	12100	1.40						
	8.4 - 73	520	35.62	12300	1.55						
	9.9 - 86	440	30.22	12700	1.85						
	11 - 96	395	27.28	12800	2.0						
	12 - 109	350	24.00	13000	2.3						
	13 - 115	330	22.66	13000	2.4						
	16 - 135	280	19.30	13000	2.7						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]
4.0	6.1 - 53	715	48.89	0	0.85		
	6.8 - 59	650	44.43	6110	0.90		
	7.8 - 68	560	38.49	6200	1.05		
	8.4 - 73	520	35.70	6220	1.15		
	9.9 - 86	440	30.28	6220	1.35		
	11 - 95	400	27.34	6200	1.50		
	12 - 109	350	24.05	6150	1.70	K 57 DRE 90LJ4 MM40	45
	13 - 115	330	22.71	6120	1.80	KF 57 DRE 90LJ4 MM40	49
	16 - 135	280	19.34	6010	2.0	KA 57 DRE 90LJ4 MM40	43
	17 - 149	255	17.57	5930	2.2	KAF 57 DRE 90LJ4 MM40	48
	20 - 171	220	15.22	5800	2.4		
	23 - 197	194	13.25	5660	2.6		
	25 - 219	174	11.92	5390	2.4		
	27 - 232	165	11.26	5340	2.5		
	31 - 272	140	9.59	5180	2.9		
	8.5 - 74	515	35.39	0	0.75		
	12 - 101	375	25.91	3790	1.05		
	14 - 120	315	21.81	3870	1.25		
	15 - 133	285	19.58	3900	1.40		
	18 - 155	245	16.86	3900	1.55		
	19 - 165	230	15.86	3900	1.65		
	22 - 191	200	13.65	3870	1.80	K 47 DRE 90LJ4 MM40	39
	25 - 214	178	12.19	3830	1.95	KF 47 DRE 90LJ4 MM40	42
	26 - 222	172	11.77	3740	1.65	KA 47 DRE 90LJ4 MM40	38
	28 - 247	155	10.56	3700	1.80	KAF 47 DRE 90LJ4 MM40	41
	33 - 287	133	9.10	3640	2.1		
	35 - 305	125	8.56	3600	2.2		
	41 - 354	108	7.36	3520	2.3		
	46 - 397	96	6.58	3450	2.5		
	52 - 449	85	5.81	3370	2.7		
	65 - 563	68	4.64	3210	3.0		
	17 - 152	250	17.15	1400	0.70		
	20 - 170	220	15.31	1510	0.80		
	23 - 200	191	13.08	1630	0.85		
	29 - 249	154	10.49	1740	1.05	K 37 DRE 90LJ4 MM40	32
	34 - 293	130	8.91	1780	1.25	KF 37 DRE 90LJ4 MM40	34
	38 - 328	116	7.96	1800	1.35	KA 37 DRE 90LJ4 MM40	32
	44 - 384	99	6.80	1810	1.50	KAF 37 DRE 90LJ4 MM40	33
	47 - 410	93	6.37	1810	1.55		
	56 - 487	78	5.36	1790	1.80		
	75 - 656	58	3.98	1740	2.2		

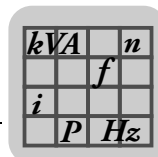


K..DR..J..MM..

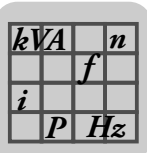
K..DRE..J..MM.. [1:5, 300 – 1500 1/min]

6.2 K..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.37	2.1 - 10	340	144.79*	13000	2.4	K	67	DRE	71SJ4	MM03	36
	2.4 - 12	290	123.54	13000	2.8	KF	67	DRE	71SJ4	MM03	42
	2.8 - 14	250	108.03	13000	3.2	KA	67	DRE	71SJ4	MM03	34
	2.9 - 15	240	102.62	13000	3.4	KAF	67	DRE	71SJ4	MM03	39
	2.1 - 10	340	145.14*	9120	1.75	K	57	DRE	71SJ4	MM03	31
	2.4 - 12	290	123.85	9320	2.1	KF	57	DRE	71SJ4	MM03	35
	2.8 - 14	255	108.29	9450	2.4	KF	57	DRE	71SJ4	MM03	35
	2.9 - 15	240	102.88*	9490	2.5	KA	57	DRE	71SJ4	MM03	29
	3.3 - 17	210	90.26*	9590	2.8	KAF	57	DRE	71SJ4	MM03	34
	3.9 - 20	180	76.56*	9690	3.3						
	2.3 - 11	310	131.87*	6960	1.30						
	2.5 - 12	285	121.48*	7180	1.40						
	2.9 - 14	245	104.37	7490	1.65						
	3.3 - 17	210	90.86	7690	1.85	K	47	DRE	71SJ4	MM03	25
	3.5 - 18	200	85.12*	7770	2.0	KF	47	DRE	71SJ4	MM03	28
	4.0 - 20	177	75.20*	7890	2.3	KA	47	DRE	71SJ4	MM03	24
	4.3 - 21	165	69.84	7940	2.4	KAF	47	DRE	71SJ4	MM03	27
	4.7 - 24	149	63.30*	8010	2.7						
	5.3 - 26	134	56.83	8060	3.0						
	3.1 - 15	230	97.81	5100	0.85						
	3.6 - 18	197	83.69	5670	1.00						
	4.1 - 21	171	72.54	5620	1.15						
	4.4 - 22	160	67.80	5560	1.25						
	5.1 - 26	138	58.60	5430	1.45						
	6.0 - 30	117	49.79	5260	1.70						
	6.8 - 34	105	44.46	5140	1.90						
	7.9 - 40	89	37.97	4970	2.2						
	8.4 - 42	84	35.57	4900	2.4						
	10 - 50	71	29.96	4700	2.8						
	10 - 52	68	28.83	4660	3.0	K	37	DRE	71SJ4	MM03	19
	12 - 60	59	24.99	4490	3.4	KF	37	DRE	71SJ4	MM03	21
	13 - 64	55	23.36	4420	3.5	KA	37	DRE	71SJ4	MM03	18
	15 - 74	48	20.19	4250	3.9	KAF	37	DRE	71SJ4	MM03	20
	17 - 87	40	17.15	4070	4.4						
	20 - 98	36	15.31	3940	4.8						
	23 - 115	31	13.08	3770	5.4						
	25 - 124	29	12.14	3690	5.6						
	29 - 143	25	10.49	3540	6.5						
	34 - 168	21	8.91	3380	7.6						
	38 - 188	19	7.96	3260	8.3						
	44 - 221	16	6.80	3110	9.4						
	47 - 236	15	6.37	3050	9.7						
	56 - 280	13	5.36	2900	11						
0.55	2.0 - 9.7	535	154.02	19600	2.9	K	77	DRE	71MJ4	MM05	64
	2.2 - 11	470	135.28	19700	3.3	KF	77	DRE	71MJ4	MM05	72
	2.3 - 12	445	128.52	19800	3.4	KA	77	DRE	71MJ4	MM05	56
	2.6 - 13	395	113.56	19900	3.9	KAF	77	DRE	71MJ4	MM05	64
	2.4 - 12	430	123.54	12700	1.90						
	2.8 - 14	375	108.03	12900	2.2	K	67	DRE	71MJ4	MM05	39
	2.9 - 15	355	102.62	12900	2.3	KF	67	DRE	71MJ4	MM05	45
	3.3 - 17	315	90.04	13000	2.6	KA	67	DRE	71MJ4	MM05	36
	3.9 - 20	265	76.37	13000	3.1	KAF	67	DRE	71MJ4	MM05	42
	4.4 - 22	240	68.95	13000	3.4						



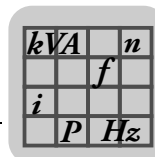
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	2.4 - 12	430	123.85	8730	1.40	K 57 KF 57 KA 57 KAF 57	DRE	71MJ4	MM05		33
	2.8 - 14	375	108.29	8970	1.60						
	2.9 - 15	360	102.88*	9050	1.65						
	3.3 - 17	315	90.26*	9220	1.90						
	3.9 - 20	265	76.56*	9400	2.2						
	4.3 - 22	240	69.12	9490	2.5						
	4.9 - 25	210	60.81*	9590	2.8						
	5.2 - 26	200	57.42*	9630	3.0	K 47 KF 47 KA 47 KAF 47	DRE	71MJ4	MM05		27
	6.1 - 31	171	48.89	9720	3.5						
	2.9 - 14	365	104.37	6380	1.10						
	3.3 - 17	315	90.86	6890	1.25						
	3.5 - 18	295	85.12*	7080	1.35						
	4.0 - 20	260	75.20*	7360	1.50						
	4.3 - 21	240	69.84	7500	1.65						
	4.7 - 24	220	63.30*	7650	1.80						
	5.3 - 26	199	56.83	7780	2.0						
	6.1 - 31	171	48.95*	7910	2.3						
	6.5 - 33	161	46.03*	7960	2.5						
	7.6 - 38	139	39.61	8050	2.9						
	5.1 - 26	205	58.60	4820	0.95	K 37 KF 37 KA 37 KAF 37	DRE	71MJ4	MM05		20
	6.0 - 30	174	49.79	4740	1.15						
	6.8 - 34	156	44.46	4680	1.30						
	7.9 - 40	133	37.97	4570	1.50						
	8.4 - 42	125	35.57	4520	1.60						
	10 - 50	105	29.96	4390	1.90						
	10 - 52	101	28.83	4360	2.00						
	12 - 60	88	24.99	4230	2.3						
	13 - 64	82	23.36	4170	2.4						
	15 - 74	71	20.19	4040	2.6						
	17 - 87	60	17.15	3890	3.0						
	20 - 98	54	15.31	3780	3.3						
	23 - 115	46	13.08	3640	3.6						
	25 - 124	42	12.14	3570	3.8						
	29 - 143	37	10.49	3430	4.4						
	34 - 168	31	8.91	3280	5.1						
	38 - 188	28	7.96	3180	5.6						
	44 - 221	24	6.80	3040	6.3						
	47 - 236	22	6.37	2990	6.5						
	56 - 280	19	5.36	2840	7.5						
	75 - 377	14	3.98	2600	9.0						
0.75	1.5 - 7.6	940	197.37	28800	2.9	K 87 KF 87 KA 87 KAF 87	DRE	71MJ4	MM07		99
	1.7 - 8.6	830	174.19	28900	3.2						
	1.8 - 9.1	780	164.34*	28900	3.4						
	2.0 - 10	700	147.32*	28900	3.8						
	2.0 - 9.7	735	154.02	19200	2.1	K 77 KF 77 KA 77 KAF 77	DRE	71MJ4	MM07		64
	2.2 - 11	645	135.28	19400	2.4						
	2.3 - 12	610	128.52	19500	2.5						
	2.6 - 13	540	113.56	19600	2.9						
	3.1 - 15	460	97.05	19800	3.4						
	2.4 - 12	585	123.54	12000	1.40	K 67 KF 67 KA 67 KAF 67	DRE	71MJ4	MM07		39
	2.8 - 14	515	108.03	12300	1.60						
	2.9 - 15	485	102.62	12500	1.65						
	3.3 - 17	425	90.04	12700	1.90						
	3.9 - 20	360	76.37	12900	2.2						
	4.4 - 22	325	68.95	13000	2.5						
	5.0 - 25	285	60.66	13000	2.8						
	5.2 - 26	270	57.28	13000	3.0						
	6.2 - 31	230	48.77	13000	3.5						



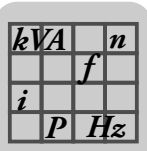
K..DR..J..MM..

K..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	2.4 - 12	590	123.85	7700	1.00						
	2.8 - 14	515	108.29	8290	1.15						
	2.9 - 15	490	102.88*	8460	1.20						
	3.3 - 17	430	90.26*	8740	1.40						
	3.9 - 20	365	76.56*	9030	1.65	K	57	DRE	71MJ4	MM07	33
	4.3 - 22	330	69.12	9170	1.80	KF	57	DRE	71MJ4	MM07	38
	4.9 - 25	290	60.81*	9320	2.1	KA	57	DRE	71MJ4	MM07	31
	5.2 - 26	270	57.42*	9380	2.2	KAF	57	DRE	71MJ4	MM07	37
	6.1 - 31	230	48.89	9520	2.6						
	6.8 - 34	210	44.43	9590	2.8						
	7.8 - 39	184	38.49	9680	3.3						
	8.4 - 42	170	35.70	9720	3.5						
	3.5 - 18	405	85.12*	5820	1.00						
	4.0 - 20	355	75.20*	6450	1.10						
	4.3 - 21	330	69.84	6740	1.20						
	4.7 - 24	300	63.30*	7040	1.30	K	47	DRE	71MJ4	MM07	27
	5.3 - 26	270	56.83	7300	1.45	KF	47	DRE	71MJ4	MM07	31
	6.1 - 31	230	48.95*	7570	1.70	KA	47	DRE	71MJ4	MM07	26
	6.5 - 33	215	46.03*	7660	1.80	KAF	47	DRE	71MJ4	MM07	29
	7.6 - 38	189	39.61	7810	2.1						
	8.5 - 42	169	35.39	7620	2.4						
	9.6 - 48	149	31.30	7410	2.7						
	10 - 51	140	29.32	7300	2.9						
	6.8 - 34	210	44.46	4160	0.95						
	7.9 - 40	181	37.97	4130	1.10						
	8.4 - 42	170	35.57	4110	1.20						
	10 - 50	143	29.96	4040	1.40						
	10 - 52	138	28.83	4020	1.45						
	12 - 60	119	24.99	3940	1.70						
	13 - 64	112	23.36	3900	1.75						
	15 - 74	96	20.19	3810	1.90	K	37	DRE	71MJ4	MM07	20
	17 - 87	82	17.15	3690	2.2	KF	37	DRE	71MJ4	MM07	22
	20 - 98	73	15.31	3610	2.4	KA	37	DRE	71MJ4	MM07	20
	23 - 115	62	13.08	3480	2.6	KAF	37	DRE	71MJ4	MM07	21
	25 - 124	58	12.14	3430	2.8						
	29 - 143	50	10.49	3310	3.2						
	34 - 168	43	8.91	3180	3.8						
	38 - 188	38	7.96	3090	4.1						
	44 - 221	32	6.80	2960	4.6						
	47 - 236	30	6.37	2910	4.8						
	56 - 280	26	5.36	2780	5.5						
	75 - 377	19	3.98	2550	6.6						
1.1	1.7 - 8.6	1210	174.19	28700	2.2	K	87	DRE	80SJ4	MM11	105
	1.8 - 9.1	1150	164.34*	28700	2.4	KF	87	DRE	80SJ4	MM11	110
	2.0 - 10	1030	147.32*	28800	2.6	KA	87	DRE	80SJ4	MM11	91
	2.4 - 12	880	126.91*	28800	3.0	KAF	87	DRE	80SJ4	MM11	105
	2.2 - 11	940	135.28	18500	1.65						
	2.3 - 12	890	128.52	18700	1.70						
	2.6 - 13	795	113.56	19000	1.95	K	77	DRE	80SJ4	MM11	66
	3.1 - 15	675	97.05	19300	2.3	KF	77	DRE	80SJ4	MM11	74
	3.4 - 17	620	88.97	19400	2.5	KA	77	DRE	80SJ4	MM11	58
	3.8 - 19	545	78.07	19600	2.8	KAF	77	DRE	80SJ4	MM11	66
	4.0 - 20	515	73.99	19700	3.0						



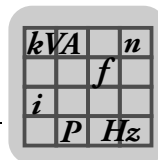
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.1	2.8 - 14	755	108.03	10800	1.10						
	2.9 - 15	715	102.62	11100	1.15						
	3.3 - 17	630	90.04	11700	1.30						
	3.9 - 20	530	76.37	12200	1.55						
	4.4 - 22	480	68.95	12500	1.70	K	67	DRE	80SJ4	MM11	41
	5.0 - 25	420	60.66	12700	1.95	KF	67	DRE	80SJ4	MM11	47
	5.2 - 26	400	57.28	12800	2.0	KA	67	DRE	80SJ4	MM11	39
	6.2 - 31	340	48.77	13000	2.4	KAF	67	DRE	80SJ4	MM11	44
	6.8 - 34	310	44.32	13000	2.6						
	7.8 - 39	265	38.39	13000	3.0						
	8.4 - 42	245	35.62	13000	3.3						
	3.3 - 17	630	90.26*	7360	0.95						
	3.9 - 20	535	76.56*	8140	1.10						
	4.3 - 22	480	69.12	8500	1.25						
	4.9 - 25	425	60.81*	8770	1.40						
	5.2 - 26	400	57.42*	8870	1.50	K	57	DRE	80SJ4	MM11	35
	6.1 - 31	340	48.89	9120	1.75	KF	57	DRE	80SJ4	MM11	40
	6.8 - 34	310	44.43	9240	1.95	KA	57	DRE	80SJ4	MM11	33
	7.8 - 39	265	38.49	9400	2.2	KAF	57	DRE	80SJ4	MM11	39
	8.4 - 42	250	35.70	9470	2.4						
	9.9 - 50	210	30.28	9590	2.8						
	11 - 55	191	27.34	9360	3.1						
	5.3 - 26	395	56.83	5950	1.00						
	6.1 - 31	340	48.95*	6640	1.15						
	6.5 - 33	320	46.03*	6850	1.25						
	7.6 - 38	275	39.61	7140	1.45						
	8.5 - 42	245	35.39	7020	1.60						
	9.6 - 48	215	31.30	6880	1.80	K	47	DRE	80SJ4	MM11	30
	10 - 51	205	29.32	6800	1.95	KF	47	DRE	80SJ4	MM11	33
	12 - 58	181	25.91	6650	2.2	KA	47	DRE	80SJ4	MM11	29
	12 - 62	168	24.06	6550	2.4	KAF	47	DRE	80SJ4	MM11	32
	14 - 69	153	21.81	6420	2.6						
	15 - 77	137	19.58	6270	2.9						
	18 - 89	118	16.86	6060	3.2						
	19 - 95	111	15.86	5970	3.4						
	10 - 50	205	29.96	3440	0.95						
	12 - 60	175	24.99	3440	1.15						
	13 - 64	164	23.36	3430	1.20						
	15 - 74	141	20.19	3400	1.30						
	17 - 87	120	17.15	3340	1.50						
	20 - 98	107	15.31	3300	1.65						
	23 - 115	92	13.08	3220	1.80	K	37	DRE	80SJ4	MM11	22
	25 - 124	85	12.14	3180	1.90	KF	37	DRE	80SJ4	MM11	24
	29 - 143	73	10.49	3100	2.2	KA	37	DRE	80SJ4	MM11	22
	34 - 168	62	8.91	3000	2.6	KAF	37	DRE	80SJ4	MM11	23
	38 - 188	56	7.96	2930	2.8						
	44 - 221	48	6.80	2830	3.2						
	47 - 236	45	6.37	2780	3.2						
	56 - 280	38	5.36	2670	3.7						
	75 - 377	28	3.98	2470	4.5						
1.5	1.7 - 8.5	1680	176.05*	40000	2.6	K	97	DRE	80MJ4	MM15	165
	2.0 - 9.8	1460	153.21*	40000	2.9	KF	97	DRE	80MJ4	MM15	185
	2.1 - 11	1330	140.28	40000	3.2	KA	97	DRE	80MJ4	MM15	145
	2.4 - 12	1180	123.93*	40000	3.6	KAF	97	DRE	80MJ4	MM15	170



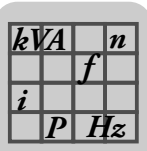
K..DR..J..MM..

K..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	1.7 - 8.6	1660	174.19	28300	1.60						
	1.8 - 9.1	1560	164.34*	28400	1.70	K	87	DRE	80MJ4	MM15	105
	2.0 - 10	1400	147.32*	28500	1.90	KF	87	DRE	80MJ4	MM15	115
	2.4 - 12	1210	126.91*	28700	2.2	KA	87	DRE	80MJ4	MM15	94
	2.6 - 13	1100	115.82	28700	2.4	KAF	87	DRE	80MJ4	MM15	105
	2.9 - 15	980	102.71*	28800	2.8						
	2.2 - 11	1290	135.28	17000	1.20						
	2.3 - 12	1220	128.52	17300	1.25						
	2.6 - 13	1080	113.56	18000	1.45						
	3.1 - 15	920	97.05	18600	1.65	K	77	DRE	80MJ4	MM15	69
	3.4 - 17	840	88.97	18800	1.80	KF	77	DRE	80MJ4	MM15	77
	3.8 - 19	745	78.07	19100	2.1	KA	77	DRE	80MJ4	MM15	61
	4.0 - 20	705	73.99	19200	2.2	KAF	77	DRE	80MJ4	MM15	69
	4.6 - 23	615	64.75	19500	2.5						
	5.1 - 26	555	58.34	19600	2.8						
	5.9 - 29	485	51.18	19700	3.2						
	3.9 - 20	725	76.37	11100	1.10						
	4.4 - 22	655	68.95	11500	1.25						
	5.0 - 25	575	60.66	12000	1.40						
	5.2 - 26	545	57.28	12200	1.50	K	67	DRE	80MJ4	MM15	44
	6.2 - 31	465	48.77	12600	1.75	KF	67	DRE	80MJ4	MM15	50
	6.8 - 34	420	44.32	12700	1.95	KA	67	DRE	80MJ4	MM15	41
	7.8 - 39	365	38.39	12900	2.2	KAF	67	DRE	80MJ4	MM15	47
	8.4 - 42	340	35.62	13000	2.4						
	9.9 - 50	285	30.22	13000	2.8						
	11 - 55	260	27.28	13000	3.2						
	12 - 63	225	24.00	13000	3.5						
	4.9 - 25	580	60.81*	7790	1.05						
	5.2 - 26	545	57.42*	8050	1.10						
	6.1 - 31	465	48.89	8580	1.30						
	6.8 - 34	420	44.43	8780	1.40						
	7.8 - 39	365	38.49	9020	1.65	K	57	DRE	80MJ4	MM15	38
	8.4 - 42	340	35.70	9130	1.75	KF	57	DRE	80MJ4	MM15	43
	9.9 - 50	285	30.28	9080	2.1	KA	57	DRE	80MJ4	MM15	36
	11 - 55	260	27.34	8900	2.3	KAF	57	DRE	80MJ4	MM15	42
	12 - 62	225	24.05	8660	2.6						
	13 - 66	215	22.71	8550	2.8						
	16 - 78	185	19.34	8240	3.1						
	17 - 85	168	17.57	8060	3.3						
	7.6 - 38	375	39.61	6220	1.05						
	8.5 - 42	335	35.39	6330	1.20						
	9.6 - 48	295	31.30	6270	1.35						
	10 - 51	280	29.32	6230	1.45						
	12 - 58	245	25.91	6140	1.60						
	12 - 62	225	24.06	6080	1.75	K	47	DRE	80MJ4	MM15	32
	14 - 69	205	21.81	5990	1.90	KF	47	DRE	80MJ4	MM15	35
	15 - 77	187	19.58	5890	2.1	KA	47	DRE	80MJ4	MM15	31
	18 - 89	161	16.86	5730	2.4	KAF	47	DRE	80MJ4	MM15	34
	19 - 95	151	15.86	5660	2.5						
	22 - 110	130	13.65	5490	2.8						
	25 - 123	116	12.19	5360	3.0						
	26 - 127	112	11.77	5260	2.5						
	28 - 142	101	10.56	5140	2.8						
	33 - 165	87	9.10	4960	3.2						
1.5	13 - 64	220	23.36	2890	0.85						
	15 - 74	193	20.19	2930	0.95						
	17 - 87	164	17.15	2950	1.10						
	20 - 98	146	15.31	2940	1.20						
	23 - 115	125	13.08	2920	1.30	K	37	DRE	80MJ4	MM15	25
	25 - 124	116	12.14	2900	1.40	KF	37	DRE	80MJ4	MM15	27
	29 - 143	100	10.49	2860	1.60	KA	37	DRE	80MJ4	MM15	24
	34 - 168	85	8.91	2800	1.90	KAF	37	DRE	80MJ4	MM15	26
	38 - 188	76	7.96	2750	2.0						
	44 - 221	65	6.80	2670	2.3						
	47 - 236	61	6.37	2640	2.4						
	56 - 280	51	5.36	2550	2.7						
	75 - 377	38	3.98	2380	3.3						



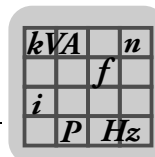
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
2.2	2.0 - 10	2060	147.32*	28000	1.30						
	2.4 - 12	1770	126.91*	28300	1.50						
	2.6 - 13	1620	115.82	28400	1.65						
	2.9 - 15	1430	102.71*	28500	1.90						
	3.5 - 17	1200	86.34	28700	2.2	K	87	DRE	90MJ4	MM22	110
	3.8 - 19	1110	79.34	28700	2.4	KF	87	DRE	90MJ4	MM22	120
	4.3 - 21	980	70.46	28800	2.7	KA	87	DRE	90MJ4	MM22	97
	4.8 - 24	880	63.00*	28800	3.1	KAF	87	DRE	90MJ4	MM22	110
	5.3 - 26	790	56.64	28900	3.4						
	2.6 - 13	1590	113.56	15100	0.95						
	3.1 - 15	1350	97.05	16600	1.15						
	3.4 - 17	1240	88.97	17200	1.25						
	3.8 - 19	1090	78.07	17900	1.40						
	4.0 - 20	1030	73.99	18200	1.50	K	77	DRE	90MJ4	MM22	73
	4.6 - 23	900	64.75	18600	1.70	KF	77	DRE	90MJ4	MM22	81
	5.1 - 26	810	58.34	18900	1.90	KA	77	DRE	90MJ4	MM22	65
	5.9 - 29	715	51.18	19200	2.2	KAF	77	DRE	90MJ4	MM22	73
	6.6 - 33	630	45.16	19400	2.4						
	7.5 - 37	560	40.04	19600	2.8						
	7.8 - 39	535	38.39	19600	2.8						
	8.5 - 43	490	35.20	19700	3.1						
	5.0 - 25	840	60.66	10000	0.95						
	5.2 - 26	800	57.28	10500	1.00						
	6.2 - 31	680	48.77	11400	1.20						
	6.8 - 34	620	44.32	11800	1.30						
	7.8 - 39	535	38.39	12200	1.50						
	8.4 - 42	495	35.62	12400	1.65						
	9.9 - 50	420	30.22	12700	1.95	K	67	DRE	90MJ4	MM22	48
	11 - 55	380	27.28	12900	2.2	KF	67	DRE	90MJ4	MM22	53
	12 - 63	335	24.00	13000	2.4	KA	67	DRE	90MJ4	MM22	45
	13 - 66	315	22.66	13000	2.5	KAF	67	DRE	90MJ4	MM22	51
	16 - 78	270	19.30	13000	2.8						
	17 - 86	245	17.54	13000	3.0						
	20 - 99	210	15.19	13000	3.3						
	23 - 114	185	13.22	13000	3.6						
	24 - 120	175	12.48	13000	3.0						
	28 - 141	149	10.63	13000	3.4						



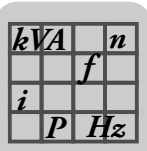
K..DR..J..MM..

K..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	6.8 - 34	620	44.43	7450	0.95						
	7.8 - 39	535	38.49	8120	1.10						
	8.4 - 42	500	35.70	8320	1.20						
	9.9 - 50	420	30.28	8200	1.40						
	11 - 55	380	27.34	8100	1.55						
	12 - 62	335	24.05	7960	1.80						
	13 - 66	315	22.71	7890	1.90	K	57	DRE	90MJ4	MM22	42
	16 - 78	270	19.34	7680	2.1	KF	57	DRE	90MJ4	MM22	47
	17 - 85	245	17.57	7540	2.2	KA	57	DRE	90MJ4	MM22	40
	20 - 99	210	15.22	7330	2.5	KAF	57	DRE	90MJ4	MM22	46
	23 - 113	186	13.25	7120	2.8						
	25 - 126	167	11.92	6800	2.5						
	27 - 133	158	11.26	6720	2.6						
	31 - 156	134	9.59	6480	3.0						
	34 - 172	122	8.71	6340	3.2						
	12 - 58	360	25.91	5260	1.10						
	14 - 69	305	21.81	5250	1.30						
	15 - 77	270	19.58	5220	1.45						
	18 - 89	235	16.86	5160	1.60						
	19 - 95	220	15.86	5120	1.70						
	22 - 110	191	13.65	5030	1.90	K	47	DRE	90MJ4	MM22	36
	25 - 123	171	12.19	4940	2.0	KF	47	DRE	90MJ4	MM22	39
	26 - 127	165	11.77	4840	1.70	KA	47	DRE	90MJ4	MM22	35
	28 - 142	148	10.56	4760	1.90	KAF	47	DRE	90MJ4	MM22	38
	33 - 165	127	9.10	4640	2.2						
	35 - 175	120	8.56	4580	2.2						
	41 - 204	103	7.36	4450	2.4						
	46 - 228	92	6.58	4340	2.6						
	52 - 258	81	5.81	4220	2.8						
	65 - 324	65	4.64	4000	3.2						
	23 - 115	183	13.08	2390	0.90						
	29 - 143	147	10.49	2440	1.10						
	34 - 168	125	8.91	2440	1.30	K	37	DRE	90MJ4	MM22	29
	38 - 188	111	7.96	2430	1.40	KF	37	DRE	90MJ4	MM22	31
	44 - 221	95	6.80	2400	1.60	KA	37	DRE	90MJ4	MM22	29
	47 - 236	89	6.37	2380	1.65	KAF	37	DRE	90MJ4	MM22	31
	56 - 280	75	5.36	2330	1.85						
	75 - 377	56	3.98	2220	2.2						
3.0	1.7 - 8.5	3360	176.05*	40000	1.30						
	2.0 - 9.8	2920	153.21*	40000	1.45						
	2.1 - 11	2670	140.28	40000	1.60	K	97	DRE	90LJ4	MM30	170
	2.4 - 12	2360	123.93*	40000	1.80	KF	97	DRE	90LJ4	MM30	190
	2.8 - 14	2000	105.13	40000	2.1	KA	97	DRE	90LJ4	MM30	150
	3.1 - 16	1840	96.80	40000	2.3	KAF	97	DRE	90LJ4	MM30	175
	3.5 - 17	1650	86.52	40000	2.6						
	3.8 - 19	1480	77.89*	40000	2.9						
	2.0 - 10	2810	147.32*	27100	0.95						
	2.4 - 12	2420	126.91*	27600	1.10						
	2.6 - 13	2210	115.82	27800	1.20						
	2.9 - 15	1960	102.71*	28100	1.40	K	87	DRE	90LJ4	MM30	110
	3.5 - 17	1640	86.34	28400	1.65	KF	87	DRE	90LJ4	MM30	120
	3.8 - 19	1510	79.34	28500	1.80	KA	87	DRE	90LJ4	MM30	99
	4.3 - 21	1340	70.46	28600	2.0	KAF	87	DRE	90LJ4	MM30	110
	4.8 - 24	1200	63.00*	28700	2.2						
	5.3 - 26	1080	56.64	28700	2.5						
	6.1 - 31	930	49.16	28800	2.9						



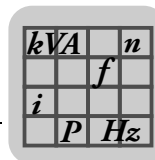
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	3.4 - 17	1690	88.97	14200	0.90	K 77 KF 77 KA 77 KAF 77	DRE	90LJ4	MM30		76
	3.8 - 19	1490	78.07	15800	1.05						
	4.0 - 20	1410	73.99	16300	1.10						
	4.6 - 23	1230	64.75	17300	1.25						
	5.1 - 26	1110	58.34	17800	1.40						
	5.9 - 29	970	51.18	18400	1.60						
	6.6 - 33	860	45.16	18800	1.80						
	7.5 - 37	760	40.04	19100	2.0						
	7.8 - 39	730	38.39	19200	2.0						
	8.5 - 43	670	35.20	19300	2.3						
	9.7 - 49	585	30.89	19500	2.6						
	10 - 51	555	29.27	19600	2.8						
	12 - 59	485	25.62	19700	3.2						
	6.8 - 34	840	44.32	10100	0.95	K 67 KF 67 KA 67 KAF 67	DRE	90LJ4	MM30		51
	7.8 - 39	730	38.39	11000	1.10						
	8.4 - 42	680	35.62	11400	1.20						
	9.9 - 50	575	30.22	12000	1.40						
	11 - 55	520	27.28	12300	1.55						
	12 - 63	455	24.00	12600	1.75						
	13 - 66	430	22.66	12700	1.80						
	16 - 78	365	19.30	12900	2.1						
	17 - 86	330	17.54	13000	2.2						
	20 - 99	290	15.19	13000	2.4						
	23 - 114	250	13.22	13000	2.6						
	24 - 120	235	12.48	13000	2.2						
	28 - 141	200	10.63	13000	2.5						
	31 - 155	184	9.66	13000	2.6						
	36 - 179	160	8.37	12700	2.8						
	41 - 206	139	7.28	12300	3.0						
	58 - 288	99	5.20	11300	3.5						
	9.9 - 50	575	30.28	7190	1.05	K 57 KF 57 KA 57 KAF 57	DRE	90LJ4	MM30		45
	11 - 55	520	27.34	7190	1.15						
	12 - 62	455	24.05	7160	1.30						
	13 - 66	430	22.71	7130	1.40						
	16 - 78	365	19.34	7040	1.55						
	17 - 85	335	17.57	6960	1.65						
	20 - 99	290	15.22	6820	1.85						
	23 - 113	250	13.25	6680	2.0						
	25 - 126	225	11.92	6350	1.80						
	27 - 133	215	11.26	6300	1.95						
	31 - 156	183	9.59	6120	2.2						
	34 - 172	166	8.71	6010	2.3						
	40 - 199	144	7.55	5840	2.5						
	46 - 228	125	6.57	5660	2.8						
	64 - 320	90	4.69	5230	3.4						
	15 - 77	370	19.58	4460	1.05	K 47 KF 47 KA 47 KAF 47	DRE	90LJ4	MM30		39
	18 - 89	320	16.86	4500	1.20						
	19 - 95	300	15.86	4510	1.25						
	22 - 110	260	13.65	4500	1.40						
	25 - 123	230	12.19	4470	1.50						
	26 - 127	220	11.77	4360	1.25						
	28 - 142	200	10.56	4330	1.40						
	33 - 165	174	9.10	4260	1.60						
	35 - 175	163	8.56	4230	1.65						
	41 - 204	141	7.36	4140	1.80						
	46 - 228	126	6.58	4070	1.90						
	52 - 258	111	5.81	3980	2.1						
	65 - 324	89	4.64	3810	2.3						
3.0	34 - 168	170	8.91	2030	0.95	K 37 KF 37 KA 37 KAF 37	DRE	90LJ4	MM30		32
	38 - 188	152	7.96	2060	1.00						
	44 - 221	130	6.80	2080	1.15						
	47 - 236	122	6.37	2090	1.20						
	56 - 280	102	5.36	2080	1.35						
	75 - 377	76	3.98	2040	1.65						



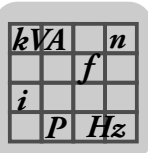
K..DR..J..MM..

K..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
4.0	2.0 - 9.8	3900	153.21*	40000	1.10	K 97 KF 97 KA 97 KAF 97	DRE	100MJ4	MM40		175 195 155 180
	2.1 - 11	3570	140.28	40000	1.20						
	2.4 - 12	3150	123.93*	40000	1.35						
	2.8 - 14	2670	105.13	40000	1.60						
	3.1 - 16	2460	96.80	40000	1.75						
	3.5 - 17	2200	86.52	40000	1.95						
	3.8 - 19	1980	77.89*	40000	2.2						
	4.2 - 21	1790	70.54	40000	2.4						
	4.8 - 24	1590	62.55	40000	2.7						
	5.3 - 27	1440	56.55	40000	3.0						
	6.3 - 31	1220	47.93*	39800	3.5						
	2.6 - 13	2940	115.82	27000	0.90	K 87 KF 87 KA 87 KAF 87	DRE	100MJ4	MM40		115 125 105 115
	2.9 - 15	2610	102.71*	27400	1.05						
	3.5 - 17	2190	86.34	27900	1.25						
	3.8 - 19	2020	79.34	28000	1.35						
	4.3 - 21	1790	70.46	28200	1.50						
	4.8 - 24	1600	63.00*	28400	1.70						
	5.3 - 26	1440	56.64	28500	1.85						
	6.1 - 31	1250	49.16	28600	2.2						
	6.8 - 34	1120	44.02	28000	2.3						
	8.2 - 41	920	36.52*	27000	2.7						
	9.6 - 48	795	31.39	26200	3.4						
	4.6 - 23	1640	64.75	14600	0.95	K 77 KF 77 KA 77 KAF 77	DRE	100MJ4	MM40		80 88 73 81
	5.1 - 26	1480	58.34	15800	1.05						
	5.9 - 29	1300	51.18	16900	1.20						
	6.6 - 33	1150	45.16	17700	1.35						
	7.5 - 37	1010	40.04	18200	1.50						
	7.8 - 39	970	38.39	18400	1.55						
	8.5 - 43	890	35.20	18700	1.75						
	9.7 - 49	785	30.89	19000	1.95						
	10 - 51	745	29.27	19100	2.1						
	12 - 59	650	25.62	19400	2.4						
	13 - 65	585	23.08	19500	2.6						
	15 - 74	515	20.25	19700	2.9						
	17 - 84	450	17.87	19800	3.2						
	19 - 95	400	15.84	19700	3.5						
	22 - 111	340	13.52	19000	3.9						
	24 - 121	310	12.36	18400	3.2						
	9.9 - 50	765	30.22	10700	1.05	K 67 KF 67 KA 67 KAF 67	DRE	100MJ4	MM40		55 61 53 58
	11 - 55	690	27.28	11300	1.20						
	12 - 63	610	24.00	11800	1.30						
	13 - 66	575	22.66	12000	1.35						
	16 - 78	490	19.30	12400	1.55						
	17 - 86	445	17.54	12600	1.65						
	20 - 99	385	15.19	12900	1.80						
	23 - 114	335	13.22	13000	2.00						
	24 - 120	315	12.48	13000	1.65						
	28 - 141	270	10.63	13000	1.85						
	31 - 155	245	9.66	12700	1.95						
	36 - 179	210	8.37	12400	2.1						
	41 - 206	185	7.28	12000	2.3						
	58 - 288	132	5.20	11100	2.6						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
4.0	11 - 55	695	27.34	0	0.85						
	12 - 62	610	24.05	6160	1.00						
	13 - 66	575	22.71	6190	1.05						
	16 - 78	490	19.34	6230	1.15						
	17 - 85	445	17.57	6230	1.25						
	20 - 99	385	15.22	6190	1.40	K	57	DRE	100MJ4	MM40	49
	23 - 113	335	13.25	6120	1.50	KF	57	DRE	100MJ4	MM40	54
	25 - 126	300	11.92	5790	1.35	KA	57	DRE	100MJ4	MM40	47
	27 - 133	285	11.26	5760	1.45	KAF	57	DRE	100MJ4	MM40	53
	31 - 156	240	9.59	5670	1.65						
	34 - 172	220	8.71	5600	1.75						
	40 - 199	192	7.55	5480	1.90						
	46 - 228	167	6.57	5350	2.1						
	64 - 320	119	4.69	5010	2.5						
	18 - 89	425	16.86	2720	0.90						
	19 - 95	400	15.86	3740	0.95						
	22 - 110	345	13.65	3840	1.05						
	25 - 123	310	12.19	3880	1.15						
	26 - 127	295	11.77	3750	0.95	K	47	DRE	100MJ4	MM40	44
	28 - 142	265	10.56	3780	1.05	KF	47	DRE	100MJ4	MM40	47
	33 - 165	230	9.10	3800	1.20	KA	47	DRE	100MJ4	MM40	43
	35 - 175	215	8.56	3790	1.25	KAF	47	DRE	100MJ4	MM40	46
	41 - 204	188	7.36	3770	1.35						
	46 - 228	168	6.58	3730	1.45						
	52 - 258	148	5.81	3680	1.55						
	65 - 324	118	4.64	3570	1.75						

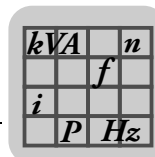


K..DR..J..MM..

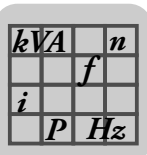
K..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

6.3 K..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	2.4 - 21	245	123.54	13000	3.3	K	67	DRU	71MJ4	MM05	36
	2.8 - 24	215	108.03	13000	3.8	KF	67	DRU	71MJ4	MM05	42
	2.9 - 25	205	102.62	13000	4.0	KA	67	DRU	71MJ4	MM05	34
						KAF	67	DRU	71MJ4	MM05	39
	2.4 - 21	245	123.85	9470	2.4	K	57	DRU	71MJ4	MM05	31
	2.8 - 24	215	108.29	9570	2.8	KF	57	DRU	71MJ4	MM05	35
	2.9 - 25	205	102.88*	9610	2.9	KA	57	DRU	71MJ4	MM05	29
	3.3 - 29	182	90.26*	9690	3.3	KAF	57	DRU	71MJ4	MM05	34
	2.9 - 25	210	104.37	7720	1.90	K	47	DRU	71MJ4	MM05	25
	3.3 - 29	183	90.86	7860	2.2	KF	47	DRU	71MJ4	MM05	28
	3.5 - 31	171	85.12*	7920	2.3	KA	47	DRU	71MJ4	MM05	24
	4.0 - 35	151	75.20*	8000	2.6	KAF	47	DRU	71MJ4	MM05	27
	4.3 - 37	141	69.84	8040	2.8						
	3.6 - 31	168	83.69	4720	1.20						
	4.1 - 36	146	72.54	4640	1.35						
	4.4 - 38	136	67.80	4590	1.45						
	5.1 - 45	118	58.60	4480	1.70						
	6.0 - 52	100	49.79	4350	2.0						
	6.8 - 59	89	44.46	4250	2.2						
	7.9 - 69	76	37.97	4110	2.6						
	8.4 - 73	72	35.57	4050	2.8						
	10 - 87	60	29.96	3890	3.3						
	10 - 91	58	28.83	3860	3.4	K	37	DRU	71MJ4	MM05	19
	12 - 104	50	24.99	3720	4.0	KF	37	DRU	71MJ4	MM05	21
	13 - 112	47	23.36	3660	4.2	KA	37	DRU	71MJ4	MM05	18
	15 - 129	41	20.19	3520	4.6	KAF	37	DRU	71MJ4	MM05	20
	17 - 152	35	17.15	3380	5.2						
	20 - 170	31	15.31	3270	5.7						
	23 - 200	26	13.08	3130	6.3						
	25 - 215	24	12.14	3070	6.6						
	29 - 249	21	10.49	2940	7.6						
	34 - 293	18	8.91	2800	8.9						
	38 - 328	16	7.96	2710	9.7						
	44 - 384	14	6.80	2580	11						
	47 - 410	13	6.37	2540	11						
	56 - 487	11	5.36	2410	13						
0.75	2.0 - 17	420	154.02	19800	3.7	K	77	DRU	80SJ4	MM07	66
	2.2 - 19	370	135.28	19900	4.2	KF	77	DRU	80SJ4	MM07	74
	2.3 - 20	350	128.52	19900	4.4	KA	77	DRU	80SJ4	MM07	58
	2.6 - 23	310	113.56	20000	5.0	KAF	77	DRU	80SJ4	MM07	66
	2.4 - 21	335	123.54	13000	2.4	K	67	DRU	80SJ4	MM07	41
	2.8 - 24	295	108.03	13000	2.8	KF	67	DRU	80SJ4	MM07	47
	2.9 - 25	280	102.62	13000	2.9	KA	67	DRU	80SJ4	MM07	39
	3.3 - 29	245	90.04	13000	3.3	KAF	67	DRU	80SJ4	MM07	44
	2.4 - 21	335	123.85	9130	1.75						
	2.8 - 24	295	108.29	9300	2.0	K	57	DRU	80SJ4	MM07	35
	2.9 - 25	280	102.88*	9350	2.1	KF	57	DRU	80SJ4	MM07	40
	3.3 - 29	245	90.26*	9470	2.4	KA	57	DRU	80SJ4	MM07	33
	3.9 - 34	210	76.56*	9600	2.9	KAF	57	DRU	80SJ4	MM07	39
	4.3 - 38	190	69.12	9660	3.2						
	4.9 - 43	167	60.81*	9740	3.6						



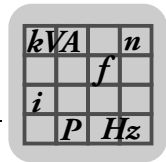
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.75	2.9 - 25	285	104.37	7180	1.40	K 47 KF 47 KA 47 KAF 47	DRU	80SJ4	MM07		30
	3.3 - 29	245	90.86	7460	1.60						
	3.5 - 31	230	85.12*	7570	1.70						
	4.0 - 35	205	75.20*	7740	1.95						
	4.3 - 37	192	69.84	7820	2.1						
	4.7 - 41	174	63.30*	7670	2.3						
	5.3 - 46	156	56.83	7480	2.6						
	6.1 - 53	134	48.95*	7230	3.0	K 37 KF 37 KA 37 KAF 37	DRU	80SJ4	MM07		22
	6.5 - 57	126	46.03*	7120	3.2						
	3.6 - 31	225	83.69	4170	0.85						
	4.1 - 36	199	72.54	4150	1.00						
	4.4 - 38	186	67.80	4140	1.10						
	5.1 - 45	161	58.60	4090	1.25						
	6.0 - 52	137	49.79	4020	1.45						
	6.8 - 59	122	44.46	3960	1.65						
	7.9 - 69	104	37.97	3860	1.90						
	8.4 - 73	98	35.57	3820	2.0						
	10 - 87	82	29.96	3690	2.4						
	10 - 91	79	28.83	3670	2.5						
	12 - 104	69	24.99	3560	2.9						
	13 - 112	64	23.36	3500	3.0						
	15 - 129	55	20.19	3390	3.3						
	17 - 152	47	17.15	3260	3.8						
	20 - 170	42	15.31	3170	4.2						
	23 - 200	36	13.08	3040	4.6						
	25 - 215	33	12.14	2980	4.8						
	29 - 249	29	10.49	2870	5.6						
	34 - 293	24	8.91	2740	6.5						
	38 - 328	22	7.96	2660	7.1						
	44 - 384	19	6.80	2540	8.0						
	47 - 410	17	6.37	2490	8.3						
	56 - 487	15	5.36	2370	9.5						
	75 - 656	11	3.98	2170	11						
1.1	2.2 - 19	540	135.28	19600	2.8	K 77 KF 77 KA 77 KAF 77	DRU	80MJ4	MM11		69
	2.3 - 20	515	128.52	19700	3.0						
	2.6 - 23	455	113.56	19800	3.4						
	2.8 - 24	430	108.03	12700	1.90	K 67 KF 67 KA 67 KAF 67	DRU	80MJ4	MM11		44
	2.9 - 25	410	102.62	12800	2.00						
	3.3 - 29	360	90.04	12900	2.3						
	3.9 - 34	305	76.37	13000	2.7						
	4.4 - 38	275	68.95	13000	3.0						
	5.0 - 43	240	60.66	13000	3.4						
	5.2 - 46	230	57.28	13000	3.6	K 57 KF 57 KA 57 KAF 57	DRU	80MJ4	MM11		38
	2.8 - 24	435	108.29	8720	1.40						
	2.9 - 25	410	102.88*	8820	1.45						
	3.3 - 29	360	90.26*	9040	1.65						
	3.9 - 34	305	76.56*	9260	1.95						
	4.3 - 38	275	69.12	9370	2.2						
	4.9 - 43	240	60.81*	9480	2.4						
	5.2 - 45	230	57.42*	9530	2.6						
	6.1 - 53	197	48.89	9420	3.0						
	6.8 - 59	179	44.43	9200	3.4						



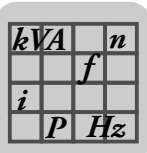
K..DR..J..MM..

K..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.1	3.3 - 29	365	90.86	6380	1.10						
	3.5 - 31	340	85.12*	6640	1.15						
	4.0 - 35	300	75.20*	7040	1.30						
	4.3 - 37	280	69.84	7150	1.40	K	47	DRU	80MJ4	MM11	32
	4.7 - 41	250	63.30*	7050	1.55	KF	47	DRU	80MJ4	MM11	35
	5.3 - 46	225	56.83	6930	1.75	KA	47	DRU	80MJ4	MM11	31
	6.1 - 53	197	48.95*	6750	2.0	KAF	47	DRU	80MJ4	MM11	34
	6.5 - 57	185	46.03*	6670	2.2						
	7.6 - 66	159	39.61	6480	2.5						
	4.4 - 38	270	67.80	0	0.75						
	5.1 - 45	235	58.60	3410	0.85						
	6.0 - 52	200	49.79	3440	1.00						
	6.8 - 59	179	44.46	3440	1.10						
	7.9 - 69	153	37.97	3420	1.30						
	8.4 - 73	143	35.57	3400	1.40						
	10 - 87	121	29.96	3340	1.65						
	12 - 104	101	24.99	3270	2.00						
	13 - 112	94	23.36	3230	2.1						
	15 - 129	81	20.19	3160	2.3	K	37	DRU	80MJ4	MM11	25
	17 - 152	69	17.15	3060	2.6	KF	37	DRU	80MJ4	MM11	27
	20 - 170	62	15.31	2990	2.8	KA	37	DRU	80MJ4	MM11	24
	23 - 200	53	13.08	2890	3.1	KAF	37	DRU	80MJ4	MM11	26
	25 - 215	49	12.14	2840	3.3						
	29 - 249	42	10.49	2750	3.8						
	34 - 293	36	8.91	2640	4.5						
	38 - 328	32	7.96	2560	4.8						
	44 - 384	27	6.80	2460	5.5						
	47 - 410	26	6.37	2420	5.7						
	56 - 487	22	5.36	2310	6.5						
	75 - 656	16	3.98	2120	7.8						
1.5	2.0 - 18	800	147.32*	28900	3.3	K	87	DRU	90MJ4	MM15	110
	2.4 - 21	695	126.91*	28900	3.9	KF	87	DRU	90MJ4	MM15	120
						KA	87	DRU	90MJ4	MM15	97
						KAF	87	DRU	90MJ4	MM15	110
	2.6 - 23	620	113.56	19400	2.5	K	77	DRU	90MJ4	MM15	72
						KF	77	DRU	90MJ4	MM15	81
						KA	77	DRU	90MJ4	MM15	65
						KAF	77	DRU	90MJ4	MM15	73
	3.3 - 29	490	90.04	12400	1.65						
	3.9 - 34	415	76.37	12700	1.95						
	4.4 - 38	375	68.95	12900	2.2	K	67	DRU	90MJ4	MM15	48
	5.0 - 43	330	60.66	13000	2.5	KF	67	DRU	90MJ4	MM15	53
	5.2 - 46	310	57.28	13000	2.6	KA	67	DRU	90MJ4	MM15	45
	6.2 - 54	265	48.77	13000	3.1	KAF	67	DRU	90MJ4	MM15	51
	6.8 - 59	240	44.32	13000	3.4						
	3.3 - 29	495	90.26*	8440	1.20						
	3.9 - 34	420	76.56*	8790	1.45						
	4.3 - 38	375	69.12	8970	1.60	K	57	DRU	90MJ4	MM15	42
	4.9 - 43	330	60.81*	9160	1.80	KF	57	DRU	90MJ4	MM15	46
	5.2 - 45	315	57.42*	9230	1.90	KA	57	DRU	90MJ4	MM15	40
	6.1 - 53	265	48.89	8950	2.2	KAF	57	DRU	90MJ4	MM15	45
	6.8 - 59	240	44.43	8780	2.5						
	7.8 - 68	210	38.49	8500	2.8						
	8.4 - 73	196	35.70	8360	3.1						



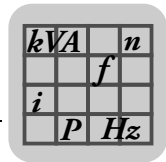
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.5	4.0 - 35	410	75.20*	5180	0.95	K KF KA KAF	47	DRU	90MJ4	MM15	36
	4.7 - 41	345	63.30*	6340	1.15						39
	5.3 - 46	310	56.83	6300	1.30						35
	6.1 - 53	265	48.95*	6200	1.50						38
	6.5 - 57	250	46.03*	6160	1.60						
	7.6 - 66	215	39.61	6030	1.85						
	8.5 - 74	194	35.39	5930	2.1						
	6.8 - 59	240	44.46	2850	0.80	K KF KA KAF	37	DRU	90MJ4	MM15	29
	7.9 - 69	205	37.97	2910	0.95						31
	8.4 - 73	195	35.57	2930	1.00						29
	10 - 87	164	29.96	2950	1.20						30
	15 - 129	111	20.19	2890	1.65						
	17 - 152	94	17.15	2830	1.90						
	20 - 170	84	15.31	2790	2.1						
	23 - 200	72	13.08	2720	2.3						
	29 - 249	58	10.49	2610	2.8						
	34 - 293	49	8.91	2520	3.3						
	38 - 328	44	7.96	2460	3.6						
	44 - 384	37	6.80	2370	4.0						
	47 - 410	35	6.37	2340	4.2						
	56 - 487	29	5.36	2240	4.8						
	75 - 656	22	3.98	2070	5.7						
2.2	2.6 - 23	910	113.56	18600	1.70	K KF KA KAF	77	DRU	90LJ4	MM22	75
	3.1 - 27	780	97.05	19000	2.00						84
	3.4 - 29	715	88.97	19200	2.2						68
	3.8 - 33	625	78.07	19400	2.5						76
	4.0 - 35	595	73.99	19500	2.6						
	4.6 - 40	520	64.75	19700	3.0						
	5.1 - 45	465	58.34	19700	3.3						
	5.9 - 51	410	51.18	19800	3.8						
	6.6 - 58	360	45.16	19900	4.3	K KF KA KAF	67	DRU	90LJ4	MM22	50
	7.5 - 65	320	40.04	20000	4.8						56
	3.3 - 29	720	90.04	11100	1.15						48
	3.9 - 34	610	76.37	11800	1.35						53
	4.4 - 38	550	68.95	12100	1.50						
	5.0 - 43	485	60.66	12500	1.70						
	5.2 - 46	460	57.28	12600	1.80						
	6.2 - 54	390	48.77	12800	2.1						
	6.8 - 59	355	44.32	13000	2.3						
	7.8 - 68	305	38.39	13000	2.6						
	8.4 - 73	285	35.62	13000	2.9						
	9.9 - 86	240	30.22	13000	3.4						
	3.3 - 29	725	90.26*	0	0.85	K KF KA KAF	57	DRU	90LJ4	MM22	45
	3.9 - 34	615	76.56*	7490	0.95						49
	4.3 - 38	555	69.12	7980	1.10						42
	4.9 - 43	485	60.81*	8310	1.25						48
	5.2 - 45	460	57.42*	8270	1.30						
	6.1 - 53	390	48.89	8130	1.50						
	6.8 - 59	355	44.43	8030	1.70						
	7.8 - 68	305	38.49	7860	1.95						
	8.4 - 73	285	35.70	7760	2.1						
	9.9 - 86	240	30.28	7530	2.5						
	11 - 95	220	27.34	7380	2.7						
	12 - 109	194	24.05	7180	3.1						
	13 - 115	183	22.71	7100	3.3						



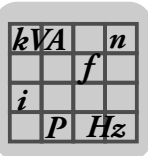
K..DR..J..MM..

K..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	5.3 - 46	455	56.83	0	0.85						
	6.1 - 53	390	48.95*	5250	1.00						
	6.5 - 57	370	46.03*	5260	1.10						
	7.6 - 66	315	39.61	5260	1.25						
	8.5 - 74	280	35.39	5240	1.40						
	12 - 101	205	25.91	5090	1.90	K	47	DRU	90LJ4	MM22	39
	14 - 120	176	21.81	4960	2.3	KF	47	DRU	90LJ4	MM22	42
	15 - 133	158	19.58	4880	2.5	KA	47	DRU	90LJ4	MM22	38
	18 - 155	136	16.86	4750	2.8	KAF	47	DRU	90LJ4	MM22	41
	19 - 165	128	15.86	4700	3.0						
	22 - 191	110	13.65	4550	3.3						
	25 - 214	98	12.19	4440	3.6						
	26 - 222	95	11.77	4370	3.0						
	28 - 247	85	10.56	4260	3.3						
	10 - 87	240	29.96	2250	0.85						
	15 - 129	163	20.19	2420	1.15						
	17 - 152	138	17.15	2430	1.30						
	20 - 170	123	15.31	2430	1.40						
	23 - 200	105	13.08	2410	1.55	K	37	DRU	90LJ4	MM22	32
	29 - 249	84	10.49	2370	1.90	KF	37	DRU	90LJ4	MM22	34
3.0	34 - 293	72	8.91	2320	2.2	KA	37	DRU	90LJ4	MM22	32
	38 - 328	64	7.96	2280	2.4	KAF	37	DRU	90LJ4	MM22	33
	44 - 384	55	6.80	2210	2.7						
	47 - 410	51	6.37	2190	2.8						
	56 - 487	43	5.36	2110	3.2						
	75 - 656	32	3.98	1980	3.9						
	2.0 - 17	1680	153.21*	40000	2.6						
	2.1 - 19	1530	140.28	40000	2.8						
	2.4 - 21	1360	123.93*	40000	3.2	K	97	DRU	100MJ4	MM30	175
	2.8 - 25	1150	105.13	40000	3.7	KF	97	DRU	100MJ4	MM30	195
	3.1 - 27	1060	96.80	40000	4.0	KA	97	DRU	100MJ4	MM30	155
	3.5 - 30	940	86.52	40000	4.5	KAF	97	DRU	100MJ4	MM30	180
	3.8 - 34	850	77.89*	40000	5.0						
	2.4 - 21	1390	126.91*	28500	1.95						
	2.6 - 23	1270	115.82	28600	2.1	K	87	DRU	100MJ4	MM30	115
	2.9 - 25	1120	102.71*	28700	2.4	KF	87	DRU	100MJ4	MM30	125
	3.5 - 30	940	86.34	28800	2.8	KA	87	DRU	100MJ4	MM30	105
	3.8 - 33	870	79.34	28800	3.1	KAF	87	DRU	100MJ4	MM30	115
	4.3 - 37	770	70.46	28600	3.5						
	3.1 - 27	1060	97.05	18000	1.45						
	3.4 - 29	970	88.97	18400	1.60						
	3.8 - 33	850	78.07	18800	1.80	K	77	DRU	100MJ4	MM30	80
	4.0 - 35	810	73.99	19000	1.90	KF	77	DRU	100MJ4	MM30	88
	4.6 - 40	710	64.75	19200	2.2	KA	77	DRU	100MJ4	MM30	73
	5.1 - 45	640	58.34	19400	2.4	KAF	77	DRU	100MJ4	MM30	81
	5.9 - 51	560	51.18	19600	2.8						
	6.6 - 58	495	45.16	19700	3.1						
	7.5 - 65	435	40.04	19800	3.5						



P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
3.0	3.9 - 34	830	76.37	10100	1.00						
	4.4 - 38	755	68.95	10800	1.10						
	5.0 - 43	665	60.66	11500	1.25						
	5.2 - 46	625	57.28	11700	1.30						
	6.2 - 54	535	48.77	12200	1.55	K	67	DRU	100MJ4	MM30	55
	6.8 - 59	485	44.32	12500	1.70	KF	67	DRU	100MJ4	MM30	61
	7.8 - 68	420	38.39	12700	1.90	KA	67	DRU	100MJ4	MM30	53
	9.9 - 86	330	30.22	13000	2.5	KAF	67	DRU	100MJ4	MM30	58
	11 - 96	295	27.28	13000	2.7						
	12 - 109	260	24.00	13000	3.0						
	13 - 115	245	22.66	13000	3.1						
	16 - 135	210	19.30	13000	3.6						
	4.9 - 43	665	60.81*	4290	0.90						
	5.2 - 45	630	57.42*	7170	0.95						
	6.1 - 53	535	48.89	7190	1.10						
	6.8 - 59	485	44.43	7180	1.25						
	7.8 - 68	420	38.49	7120	1.40						
	9.9 - 86	330	30.28	6950	1.80						
	11 - 95	300	27.34	6860	2.0	K	57	DRU	100MJ4	MM30	49
	12 - 109	260	24.05	6720	2.3	KF	57	DRU	100MJ4	MM30	54
	13 - 115	245	22.71	6660	2.4	KA	57	DRU	100MJ4	MM30	47
	16 - 135	210	19.34	6470	2.7	KAF	57	DRU	100MJ4	MM30	53
	17 - 149	193	17.57	6350	2.9						
	20 - 171	167	15.22	6160	3.2						
	23 - 197	145	13.25	5980	3.5						
	25 - 219	131	11.92	5720	3.2						
	27 - 232	124	11.26	5640	3.4						
	7.6 - 66	430	39.61	880	0.90						
	8.5 - 74	385	35.39	4450	1.05						
	14 - 120	235	21.81	4480	1.65	K	47	DRU	100MJ4	MM30	44
	15 - 133	210	19.58	4440	1.85	KF	47	DRU	100MJ4	MM30	47
	18 - 155	185	16.86	4380	2.0	KA	47	DRU	100MJ4	MM30	43
	19 - 165	174	15.86	4340	2.2	KAF	47	DRU	100MJ4	MM30	46
	22 - 191	150	13.65	4250	2.4						
	25 - 214	134	12.19	4170	2.6						
4.0	2.4 - 21	1810	123.93*	40000	2.4	K	97	DRU	100LJ4	MM40	180
						KF	97	DRU	100LJ4	MM40	200
						KA	97	DRU	100LJ4	MM40	160
						KAF	97	DRU	100LJ4	MM40	185
	2.9 - 25	1500	102.71*	28500	1.80	K	87	DRU	100LJ4	MM40	120
	3.5 - 30	1260	86.34	28600	2.1	KF	87	DRU	100LJ4	MM40	130
	3.8 - 33	1160	79.34	28200	2.3	KA	87	DRU	100LJ4	MM40	105
	4.3 - 37	1030	70.46	27600	2.6	KAF	87	DRU	100LJ4	MM40	120
	3.8 - 33	1140	78.07	17700	1.35						
	4.0 - 35	1080	73.99	18000	1.45						
	4.6 - 40	940	64.75	18500	1.65	K	77	DRU	100LJ4	MM40	83
	5.1 - 45	850	58.34	18800	1.80	KF	77	DRU	100LJ4	MM40	91
	5.9 - 51	745	51.18	19100	2.1	KA	77	DRU	100LJ4	MM40	76
	6.6 - 58	660	45.16	19400	2.4	KAF	77	DRU	100LJ4	MM40	84
	7.5 - 65	585	40.04	19500	2.6						

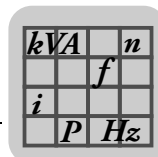


K..DR..J..MM..

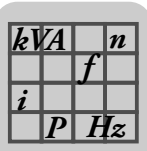
K..DRU..J..MM.. [1:5, 300 – 1500 1/min]

6.4 K..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	2.4 - 12	290	123.54	13000	2.8	K	67	DRU	71MJ4	MM03	36
	2.8 - 14	250	108.03	13000	3.2	KF	67	DRU	71MJ4	MM03	42
	2.9 - 15	240	102.62	13000	3.4	KA	67	DRU	71MJ4	MM03	34
						KAF	67	DRU	71MJ4	MM03	39
	2.4 - 12	290	123.85	9320	2.1	K	57	DRU	71MJ4	MM03	31
	2.8 - 14	255	108.29	9450	2.4	KF	57	DRU	71MJ4	MM03	35
	2.9 - 15	240	102.88*	9490	2.5	KA	57	DRU	71MJ4	MM03	29
	3.3 - 17	210	90.26*	9590	2.8	KAF	57	DRU	71MJ4	MM03	34
	3.9 - 20	180	76.56*	9690	3.3						
	2.9 - 14	245	104.37	7490	1.65						
	3.3 - 17	210	90.86	7690	1.85	K	47	DRU	71MJ4	MM03	25
	3.5 - 18	200	85.12*	7770	2.0	KF	47	DRU	71MJ4	MM03	28
	4.0 - 20	177	75.20*	7890	2.3	KA	47	DRU	71MJ4	MM03	24
	4.3 - 21	165	69.84	7940	2.4	KAF	47	DRU	71MJ4	MM03	27
	4.7 - 24	149	63.30*	8010	2.7						
	5.3 - 26	134	56.83	8060	3.0						
	3.6 - 18	197	83.69	5670	1.00						
	4.1 - 21	171	72.54	5620	1.15						
	4.4 - 22	160	67.80	5560	1.25						
	5.1 - 26	138	58.60	5430	1.45						
	6.0 - 30	117	49.79	5260	1.70						
	6.8 - 34	105	44.46	5140	1.90						
	7.9 - 40	89	37.97	4970	2.2						
	8.4 - 42	84	35.57	4900	2.4						
	10 - 50	71	29.96	4700	2.8						
	10 - 52	68	28.83	4660	3.0	K	37	DRU	71MJ4	MM03	19
	12 - 60	59	24.99	4490	3.4	KF	37	DRU	71MJ4	MM03	21
	13 - 64	55	23.36	4420	3.5	KA	37	DRU	71MJ4	MM03	18
	15 - 74	48	20.19	4250	3.9	KAF	37	DRU	71MJ4	MM03	20
	17 - 87	40	17.15	4070	4.4						
	20 - 98	36	15.31	3940	4.8						
	23 - 115	31	13.08	3770	5.4						
	25 - 124	29	12.14	3690	5.6						
	29 - 143	25	10.49	3540	6.5						
	34 - 168	21	8.91	3380	7.6						
	38 - 188	19	7.96	3260	8.3						
	44 - 221	16	6.80	3110	9.4						
	47 - 236	15	6.37	3050	9.7						
	56 - 280	13	5.36	2900	11						
0.55	2.0 - 9.7	535	154.02	19600	2.9	K	77	DRU	80SJ4	MM05	66
	2.2 - 11	470	135.28	19700	3.3	KF	77	DRU	80SJ4	MM05	74
	2.3 - 12	445	128.52	19800	3.4	KA	77	DRU	80SJ4	MM05	58
	2.6 - 13	395	113.56	19900	3.9	KAF	77	DRU	80SJ4	MM05	66
	2.4 - 12	430	123.54	12700	1.90						
	2.8 - 14	375	108.03	12900	2.2	K	67	DRU	80SJ4	MM05	41
	2.9 - 15	355	102.62	12900	2.3	KF	67	DRU	80SJ4	MM05	47
	3.3 - 17	315	90.04	13000	2.6	KA	67	DRU	80SJ4	MM05	39
	3.9 - 20	265	76.37	13000	3.1	KAF	67	DRU	80SJ4	MM05	44
	4.4 - 22	240	68.95	13000	3.4						



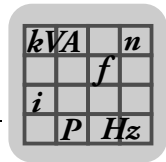
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	2.4 - 12	430	123.85	8730	1.40	K 57 KF 57 KA 57 KAF 57	DRU 80SJ4	80SJ4	MM05		35
	2.8 - 14	375	108.29	8970	1.60						
	2.9 - 15	360	102.88*	9050	1.65						
	3.3 - 17	315	90.26*	9220	1.90						
	3.9 - 20	265	76.56*	9400	2.2						
	4.3 - 22	240	69.12	9490	2.5						
	4.9 - 25	210	60.81*	9590	2.8						
	5.2 - 26	200	57.42*	9630	3.0						
	6.1 - 31	171	48.89	9720	3.5						
	2.9 - 14	365	104.37	6380	1.10	K 47 KF 47 KA 47 KAF 47	DRU 80SJ4	80SJ4	MM05		30
	3.3 - 17	315	90.86	6890	1.25						
	3.5 - 18	295	85.12*	7080	1.35						
	4.0 - 20	260	75.20*	7360	1.50						
	4.3 - 21	240	69.84	7500	1.65						
	4.7 - 24	220	63.30*	7650	1.80						
	5.3 - 26	199	56.83	7780	2.0						
	6.1 - 31	171	48.95*	7910	2.3						
	6.5 - 33	161	46.03*	7960	2.5						
	7.6 - 38	139	39.61	8050	2.9						
	5.1 - 26	205	58.60	4820	0.95	K 37 KF 37 KA 37 KAF 37	DRU 80SJ4	80SJ4	MM05		22
	6.0 - 30	174	49.79	4740	1.15						
	6.8 - 34	156	44.46	4680	1.30						
	7.9 - 40	133	37.97	4570	1.50						
	8.4 - 42	125	35.57	4520	1.60						
	10 - 50	105	29.96	4390	1.90						
	10 - 52	101	28.83	4360	2.00						
	12 - 60	88	24.99	4230	2.3						
	13 - 64	82	23.36	4170	2.4						
	15 - 74	71	20.19	4040	2.6						
	17 - 87	60	17.15	3890	3.0						
	20 - 98	54	15.31	3780	3.3						
	23 - 115	46	13.08	3640	3.6						
	25 - 124	42	12.14	3570	3.8						
	29 - 143	37	10.49	3430	4.4						
	34 - 168	31	8.91	3280	5.1						
	38 - 188	28	7.96	3180	5.6						
	44 - 221	24	6.80	3040	6.3						
	47 - 236	22	6.37	2990	6.5						
	56 - 280	19	5.36	2840	7.5						
	75 - 377	14	3.98	2600	9.0						
0.75	1.7 - 8.6	830	174.19	28900	3.2	K 87 KF 87 KA 87 KAF 87	DRU 80MJ4	80MJ4	MM07		105
	1.8 - 9.1	780	164.34*	28900	3.4						
	2.0 - 10	700	147.32*	28900	3.8						
	2.2 - 11	645	135.28	19400	2.4	K 77 KF 77 KA 77 KAF 77	DRU 80MJ4	80MJ4	MM07		69
	2.3 - 12	610	128.52	19500	2.5						
	2.6 - 13	540	113.56	19600	2.9						
	3.1 - 15	460	97.05	19800	3.4						
	2.8 - 14	515	108.03	12300	1.60	K 67 KF 67 KA 67 KAF 67	DRU 80MJ4	80MJ4	MM07		44
	2.9 - 15	485	102.62	12500	1.65						
	3.3 - 17	425	90.04	12700	1.90						
	3.9 - 20	360	76.37	12900	2.2						
	4.4 - 22	325	68.95	13000	2.5						
	5.0 - 25	285	60.66	13000	2.8						
	5.2 - 26	270	57.28	13000	3.0						
	6.2 - 31	230	48.77	13000	3.5						



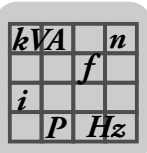
K..DR..J..MM..

K..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	2.8 - 14	515	108.29	8290	1.15	K 57 KF 57 KA 57 KAF 57	DRU 80MJ4	MM07			38
	2.9 - 15	490	102.88*	8460	1.20						
	3.3 - 17	430	90.26*	8740	1.40						
	3.9 - 20	365	76.56*	9030	1.65						
	4.3 - 22	330	69.12	9170	1.80						
	4.9 - 25	290	60.81*	9320	2.1						
	5.2 - 26	270	57.42*	9380	2.2						
	6.1 - 31	230	48.89	9520	2.6						
	6.8 - 34	210	44.43	9590	2.8						
	7.8 - 39	184	38.49	9680	3.3						
	8.4 - 42	170	35.70	9720	3.5						
	3.5 - 18	405	85.12*	5820	1.00	K 47 KF 47 KA 47 KAF 47	DRU 80MJ4	MM07			32
	4.0 - 20	355	75.20*	6450	1.10						
	4.3 - 21	330	69.84	6740	1.20						
	4.7 - 24	300	63.30*	7040	1.30						
	5.3 - 26	270	56.83	7300	1.45						
	6.1 - 31	230	48.95*	7570	1.70						
	6.5 - 33	215	46.03*	7660	1.80						
	7.6 - 38	189	39.61	7810	2.1						
	8.5 - 42	169	35.39	7620	2.4						
	9.6 - 48	149	31.30	7410	2.7						
	10 - 51	140	29.32	7300	2.9						
	6.8 - 34	210	44.46	4160	0.95	K 37 KF 37 KA 37 KAF 37	DRU 80MJ4	MM07			25
	7.9 - 40	181	37.97	4130	1.10						
	8.4 - 42	170	35.57	4110	1.20						
	10 - 50	143	29.96	4040	1.40						
	12 - 60	119	24.99	3940	1.70						
	13 - 64	112	23.36	3900	1.75						
	15 - 74	96	20.19	3810	1.90						
	17 - 87	82	17.15	3690	2.2						
	20 - 98	73	15.31	3610	2.4						
	23 - 115	62	13.08	3480	2.6						
	25 - 124	58	12.14	3430	2.8						
	29 - 143	50	10.49	3310	3.2						
	34 - 168	43	8.91	3180	3.8						
	38 - 188	38	7.96	3090	4.1						
	44 - 221	32	6.80	2960	4.6						
	47 - 236	30	6.37	2910	4.8						
	56 - 280	26	5.36	2780	5.5						
	75 - 377	19	3.98	2550	6.6						
1.1	2.0 - 10	1030	147.32*	28800	2.6	K 87 KF 87 KA 87 KAF 87	DRU 90MJ4	MM11			110
	2.4 - 12	880	126.91*	28800	3.0						
	2.6 - 13	795	113.56	19000	1.95	K 77 KF 77 KA 77 KAF 77	DRU 90MJ4	MM11			72
	3.1 - 15	675	97.05	19300	2.3						
	3.4 - 17	620	88.97	19400	2.5						
	3.8 - 19	545	78.07	19600	2.8						
	4.0 - 20	515	73.99	19700	3.0						
	3.3 - 17	630	90.04	11700	1.30	K 67 KF 67 KA 67 KAF 67	DRU 90MJ4	MM11			48
	3.9 - 20	530	76.37	12200	1.55						
	4.4 - 22	480	68.95	12500	1.70						
	5.0 - 25	420	60.66	12700	1.95						
	5.2 - 26	400	57.28	12800	2.0						
	6.2 - 31	340	48.77	13000	2.4						
	6.8 - 34	310	44.32	13000	2.6						
	7.8 - 39	265	38.39	13000	3.0						
	8.4 - 42	245	35.62	13000	3.3						



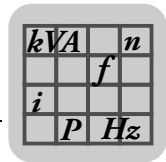
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
1.1	3.3 - 17	630	90.26*	7360	0.95						
	3.9 - 20	535	76.56*	8140	1.10						
	4.3 - 22	480	69.12	8500	1.25						
	4.9 - 25	425	60.81*	8770	1.40						
	5.2 - 26	400	57.42*	8870	1.50	K	57	DRU	90MJ4	MM11	42
	6.1 - 31	340	48.89	9120	1.75	KF	57	DRU	90MJ4	MM11	46
	6.8 - 34	310	44.43	9240	1.95	KA	57	DRU	90MJ4	MM11	40
	7.8 - 39	265	38.49	9400	2.2	KAF	57	DRU	90MJ4	MM11	45
	8.4 - 42	250	35.70	9470	2.4						
	9.9 - 50	210	30.28	9590	2.8						
	11 - 55	191	27.34	9360	3.1						
	5.3 - 26	395	56.83	5950	1.00						
	6.1 - 31	340	48.95*	6640	1.15						
	6.5 - 33	320	46.03*	6850	1.25						
	7.6 - 38	275	39.61	7140	1.45	K	47	DRU	90MJ4	MM11	36
	8.5 - 42	245	35.39	7020	1.60	KF	47	DRU	90MJ4	MM11	39
	12 - 58	181	25.91	6650	2.2	KA	47	DRU	90MJ4	MM11	35
	14 - 69	153	21.81	6420	2.6	KAF	47	DRU	90MJ4	MM11	38
	15 - 77	137	19.58	6270	2.9						
	18 - 89	118	16.86	6060	3.2						
	19 - 95	111	15.86	5970	3.4						
	10 - 50	205	29.96	3440	0.95						
	15 - 74	141	20.19	3400	1.30						
	17 - 87	120	17.15	3340	1.50						
	20 - 98	107	15.31	3300	1.65						
	23 - 115	92	13.08	3220	1.80	K	37	DRU	90MJ4	MM11	29
	29 - 143	73	10.49	3100	2.2	KF	37	DRU	90MJ4	MM11	31
	34 - 168	62	8.91	3000	2.6	KA	37	DRU	90MJ4	MM11	29
	38 - 188	56	7.96	2930	2.8	KAF	37	DRU	90MJ4	MM11	30
	44 - 221	48	6.80	2830	3.2						
	47 - 236	45	6.37	2780	3.2						
	56 - 280	38	5.36	2670	3.7						
	75 - 377	28	3.98	2470	4.5						
1.5	1.7 - 8.5	1680	176.05*	40000	2.6	K	97	DRU	90LJ4	MM15	170
	2.0 - 9.8	1460	153.21*	40000	2.9	KF	97	DRU	90LJ4	MM15	190
	2.1 - 11	1330	140.28	40000	3.2	KA	97	DRU	90LJ4	MM15	150
	2.4 - 12	1180	123.93*	40000	3.6	KAF	97	DRU	90LJ4	MM15	175
	2.0 - 10	1400	147.32*	28500	1.90	K	87	DRU	90LJ4	MM15	110
	2.4 - 12	1210	126.91*	28700	2.2	KF	87	DRU	90LJ4	MM15	120
	2.6 - 13	1100	115.82	28700	2.4	KA	87	DRU	90LJ4	MM15	100
	2.9 - 15	980	102.71*	28800	2.8	KAF	87	DRU	90LJ4	MM15	115
	2.6 - 13	1080	113.56	18000	1.45						
	3.1 - 15	920	97.05	18600	1.65						
	3.4 - 17	840	88.97	18800	1.80	K	77	DRU	90LJ4	MM15	75
	3.8 - 19	745	78.07	19100	2.1	KF	77	DRU	90LJ4	MM15	84
	4.0 - 20	705	73.99	19200	2.2	KA	77	DRU	90LJ4	MM15	68
	4.6 - 23	615	64.75	19500	2.5	KAF	77	DRU	90LJ4	MM15	76
	5.1 - 26	555	58.34	19600	2.8						
	5.9 - 29	485	51.18	19700	3.2						



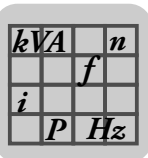
K..DR..J..MM..

K..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	3.9 - 20	725	76.37	11100	1.10						
	4.4 - 22	655	68.95	11500	1.25						
	5.0 - 25	575	60.66	12000	1.40						
	5.2 - 26	545	57.28	12200	1.50						
	6.2 - 31	465	48.77	12600	1.75	K	67	DRU	90LJ4	MM15	50
	6.8 - 34	420	44.32	12700	1.95	KF	67	DRU	90LJ4	MM15	56
	7.8 - 39	365	38.39	12900	2.2	KA	67	DRU	90LJ4	MM15	48
	8.4 - 42	340	35.62	13000	2.4	KAF	67	DRU	90LJ4	MM15	53
	9.9 - 50	285	30.22	13000	2.8						
	11 - 55	260	27.28	13000	3.2						
	12 - 63	225	24.00	13000	3.5						
	4.9 - 25	580	60.81*	7790	1.05						
	5.2 - 26	545	57.42*	8050	1.10						
	6.1 - 31	465	48.89	8580	1.30						
	6.8 - 34	420	44.43	8780	1.40						
	7.8 - 39	365	38.49	9020	1.65	K	57	DRU	90LJ4	MM15	45
	8.4 - 42	340	35.70	9130	1.75	KF	57	DRU	90LJ4	MM15	49
	9.9 - 50	285	30.28	9080	2.1	KA	57	DRU	90LJ4	MM15	42
	11 - 55	260	27.34	8900	2.3	KAF	57	DRU	90LJ4	MM15	48
	12 - 62	225	24.05	8660	2.6						
	13 - 66	215	22.71	8550	2.8						
	16 - 78	185	19.34	8240	3.1						
	17 - 85	168	17.57	8060	3.3						
	7.6 - 38	375	39.61	6220	1.05						
	8.5 - 42	335	35.39	6330	1.20						
	12 - 58	245	25.91	6140	1.60						
	14 - 69	205	21.81	5990	1.90						
	15 - 77	187	19.58	5890	2.1	K	47	DRU	90LJ4	MM15	39
	18 - 89	161	16.86	5730	2.4	KF	47	DRU	90LJ4	MM15	42
	19 - 95	151	15.86	5660	2.5	KA	47	DRU	90LJ4	MM15	38
	22 - 110	130	13.65	5490	2.8	KAF	47	DRU	90LJ4	MM15	41
	25 - 123	116	12.19	5360	3.0						
	26 - 127	112	11.77	5260	2.5						
	28 - 142	101	10.56	5140	2.8						
	33 - 165	87	9.10	4960	3.2						
	15 - 74	193	20.19	2930	0.95						
	17 - 87	164	17.15	2950	1.10						
	20 - 98	146	15.31	2940	1.20						
	23 - 115	125	13.08	2920	1.30						
	29 - 143	100	10.49	2860	1.60	K	37	DRU	90LJ4	MM15	32
	34 - 168	85	8.91	2800	1.90	KF	37	DRU	90LJ4	MM15	34
	38 - 188	76	7.96	2750	2.0	KA	37	DRU	90LJ4	MM15	32
	44 - 221	65	6.80	2670	2.3	KAF	37	DRU	90LJ4	MM15	33
	47 - 236	61	6.37	2640	2.4						
	56 - 280	51	5.36	2550	2.7						
	75 - 377	38	3.98	2380	3.3						
2.2	2.0 - 9.8	2140	153.21*	40000	2.0						
	2.1 - 11	1960	140.28	40000	2.2	K	97	DRU	100MJ4	MM22	175
	2.4 - 12	1730	123.93*	40000	2.5	KF	97	DRU	100MJ4	MM22	195
	2.8 - 14	1470	105.13	40000	2.9	KA	97	DRU	100MJ4	MM22	155
	3.1 - 16	1350	96.80	40000	3.2	KAF	97	DRU	100MJ4	MM22	180
	3.5 - 17	1210	86.52	40000	3.6						
	3.8 - 19	1090	77.89*	40000	3.9						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
2.2	2.4 - 12	1770	126.91*	28300	1.50						
	2.6 - 13	1620	115.82	28400	1.65						
	2.9 - 15	1430	102.71*	28500	1.90						
	3.5 - 17	1200	86.34	28700	2.2	K	87	DRU	100MJ4	MM22	115
	3.8 - 19	1110	79.34	28700	2.4	KF	87	DRU	100MJ4	MM22	125
	4.3 - 21	980	70.46	28800	2.7	KA	87	DRU	100MJ4	MM22	105
	4.8 - 24	880	63.00*	28800	3.1	KAF	87	DRU	100MJ4	MM22	115
	5.3 - 26	790	56.64	28900	3.4						
	3.1 - 15	1350	97.05	16600	1.15						
	3.4 - 17	1240	88.97	17200	1.25						
	3.8 - 19	1090	78.07	17900	1.40						
	4.0 - 20	1030	73.99	18200	1.50						
	4.6 - 23	900	64.75	18600	1.70	K	77	DRU	100MJ4	MM22	80
	5.1 - 26	810	58.34	18900	1.90	KF	77	DRU	100MJ4	MM22	88
	5.9 - 29	715	51.18	19200	2.2	KA	77	DRU	100MJ4	MM22	73
	6.6 - 33	630	45.16	19400	2.4	KAF	77	DRU	100MJ4	MM22	81
	7.5 - 37	560	40.04	19600	2.8						
	7.8 - 39	535	38.39	19600	2.8						
	8.5 - 43	490	35.20	19700	3.1						
	5.0 - 25	840	60.66	10000	0.95						
	5.2 - 26	800	57.28	10500	1.00						
	6.2 - 31	680	48.77	11400	1.20						
	6.8 - 34	620	44.32	11800	1.30						
	7.8 - 39	535	38.39	12200	1.50						
	9.9 - 50	420	30.22	12700	1.95						
	11 - 55	380	27.28	12900	2.2	K	67	DRU	100MJ4	MM22	55
	12 - 63	335	24.00	13000	2.4	KF	67	DRU	100MJ4	MM22	61
	13 - 66	315	22.66	13000	2.5	KA	67	DRU	100MJ4	MM22	53
	16 - 78	270	19.30	13000	2.8	KAF	67	DRU	100MJ4	MM22	58
	17 - 86	245	17.54	13000	3.0						
	20 - 99	210	15.19	13000	3.3						
	23 - 114	185	13.22	13000	3.6						
	24 - 120	175	12.48	13000	3.0						
	28 - 141	149	10.63	13000	3.4						
	6.8 - 34	620	44.43	7450	0.95						
	7.8 - 39	535	38.49	8120	1.10						
	9.9 - 50	420	30.28	8200	1.40						
	11 - 55	380	27.34	8100	1.55						
	12 - 62	335	24.05	7960	1.80						
	13 - 66	315	22.71	7890	1.90	K	57	DRU	100MJ4	MM22	49
	16 - 78	270	19.34	7680	2.1	KF	57	DRU	100MJ4	MM22	54
	17 - 85	245	17.57	7540	2.2	KA	57	DRU	100MJ4	MM22	47
	20 - 99	210	15.22	7330	2.5	KAF	57	DRU	100MJ4	MM22	53
	23 - 113	186	13.25	7120	2.8						
	25 - 126	167	11.92	6800	2.5						
	27 - 133	158	11.26	6720	2.6						
	31 - 156	134	9.59	6480	3.0						
	34 - 172	122	8.71	6340	3.2						
2.2	14 - 69	305	21.81	5250	1.30						
	15 - 77	270	19.58	5220	1.45						
	18 - 89	235	16.86	5160	1.60						
	19 - 95	220	15.86	5120	1.70						
	22 - 110	191	13.65	5030	1.90						
	25 - 123	171	12.19	4940	2.0	K	47	DRU	100MJ4	MM22	44
	26 - 127	165	11.77	4840	1.70	KF	47	DRU	100MJ4	MM22	47
	28 - 142	148	10.56	4760	1.90	KA	47	DRU	100MJ4	MM22	43
	33 - 165	127	9.10	4640	2.2	KAF	47	DRU	100MJ4	MM22	46
	35 - 175	120	8.56	4580	2.2						
	41 - 204	103	7.36	4450	2.4						
	46 - 228	92	6.58	4340	2.6						
	52 - 258	81	5.81	4220	2.8						
	65 - 324	65	4.64	4000	3.2						



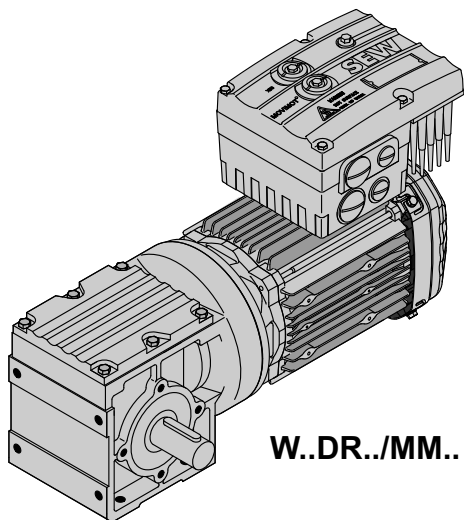
K..DR..J..MM..

K..DRU..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
3.0	2.4 - 12	2360	123.93*	40000	1.80	K 97 KF 97 KA 97 KAF 97	DRU	100LJ4	MM30		180
	2.8 - 14	2000	105.13	40000	2.1						200
	3.1 - 16	1840	96.80	40000	2.3						160
	3.5 - 17	1650	86.52	40000	2.6						185
	3.8 - 19	1480	77.89*	40000	2.9						
	2.9 - 15	1960	102.71*	28100	1.40	K 87 KF 87 KA 87 KAF 87	DRU	100LJ4	MM30		120
	3.5 - 17	1640	86.34	28400	1.65						130
	3.8 - 19	1510	79.34	28500	1.80						105
	4.3 - 21	1340	70.46	28600	2.0						120
	4.8 - 24	1200	63.00*	28700	2.2						
	5.3 - 26	1080	56.64	28700	2.5	K 77 KF 77 KA 77 KAF 77	DRU	100LJ4	MM30		83
	6.1 - 31	930	49.16	28800	2.9						91
	3.8 - 19	1490	78.07	15800	1.05						76
	4.0 - 20	1410	73.99	16300	1.10						84
	4.6 - 23	1230	64.75	17300	1.25						
	5.1 - 26	1110	58.34	17800	1.40						
	5.9 - 29	970	51.18	18400	1.60						
	6.6 - 33	860	45.16	18800	1.80						
	7.5 - 37	760	40.04	19100	2.0						
	9.7 - 49	585	30.89	19500	2.6						
	10 - 51	555	29.27	19600	2.8						
	12 - 59	485	25.62	19700	3.2						

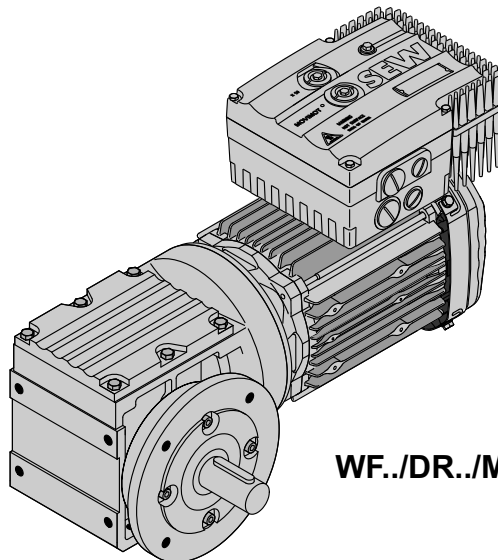
7 W..DR..J..MM..

MM03 – MM15



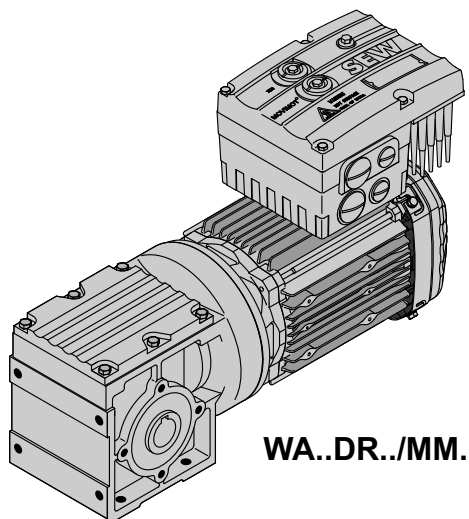
W..DR../MM..

MM22 – MM30

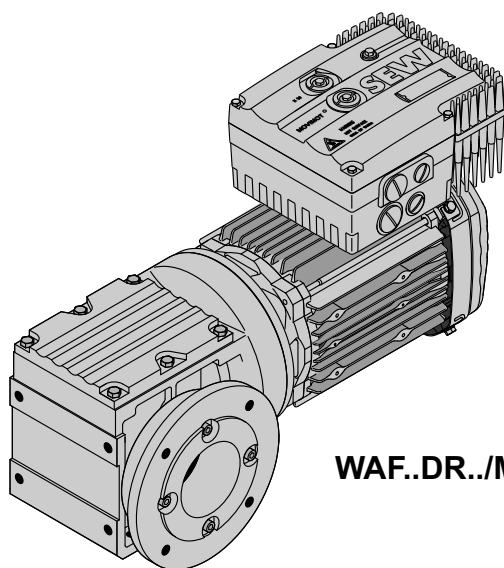


WF../DR../MM..

7

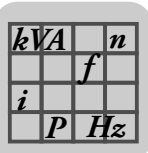


WA..DR../MM..



WAF..DR../MM..

5942725003

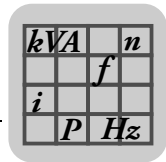


W..DR..J..MM..

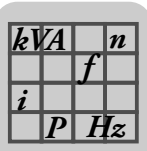
W..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

7.1 W..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	4.0 - 35	92 - 116	74.98	6390	1.55						
	4.4 - 38	85 - 107	68.93	6280	1.70						
	5.1 - 44	74 - 93	58.98	6070	1.95						
	5.9 - 51	65 - 82	51.12	5880	2.2						
	6.3 - 55	61 - 77	47.78	5780	2.3						
	7.3 - 63	54 - 67	41.30	5590	2.7						
	9.5 - 83	50 - 56	31.62	5300	2.9						
	4.3 - 38	75 - 101	69.05	3460	1.10						
	4.7 - 41	69 - 94	63.33	3570	1.15						
	5.6 - 48	60 - 81	53.92	3720	1.35						
	6.4 - 56	53 - 71	46.49	3820	1.55						
	7.9 - 69	44 - 59	37.88	3920	1.85						
	8.7 - 76	50 - 60	34.52	3920	1.50						
	9.5 - 82	46 - 55	31.67	3950	1.65						
	4.0 - 35	49 - 73	75.00*	3000	0.95						
	5.0 - 44	47 - 67	60.00*	3000	1.05						
	6.2 - 54	42 - 58	48.00*	3000	1.20						
	7.7 - 67	39 - 52	39.00*	3000	1.35						
	9.2 - 80	33 - 44	32.50*	3000	1.60						
	11 - 95	32 - 40	27.50*	3000	1.75						
	12 - 107	30 - 37	24.50*	3000	1.85						
	15 - 134	26 - 31	19.50*	3000	2.2						
	18 - 160	23 - 27	16.33	3000	2.2						
	21 - 182	21 - 24	14.33	2900	2.5						
	29 - 255	16 - 18	10.25*	2710	2.7						
	37 - 318	14 - 15	8.20*	2480	2.7						
	46 - 397	11 - 13	6.57	2320	3.2						
	6.2 - 54	36 - 53	48.00*	2200	0.75						
	7.7 - 67	34 - 48	39.00*	2200	0.85						
	9.2 - 80	36 - 46	32.50*	2020	0.85						
	11 - 95	30 - 39	27.50*	2200	1.05						
	12 - 107	27 - 35	24.50*	2160	1.15						
	15 - 134	24 - 30	19.50*	2020	1.15						
	18 - 158	21 - 26	16.50*	1930	1.15						
	21 - 182	20 - 24	14.33	1860	1.25						
	29 - 255	15 - 18	10.25*	1690	1.40						
	37 - 318	13 - 15	8.20*	1510	1.40						
	46 - 397	11 - 12	6.57	1450	1.65						
0.75	5.1 - 44	101 - 127	58.98	5640	1.40						
	5.9 - 51	89 - 112	51.12	5500	1.60						
	6.3 - 55	83 - 105	47.78	5430	1.70						
	7.3 - 63	73 - 92	41.30	5280	1.95						
	8.6 - 74	63 - 79	35.09	5100	2.3						
	9.5 - 83	69 - 76	31.62	5090	2.1						
	9.6 - 83	57 - 71	31.33	4970	2.5						
	11 - 95	60 - 66	27.41	4910	2.4						
	11 - 98	50 - 61	26.76	4800	2.9						
	12 - 102	56 - 62	25.62	4830	2.6						
	14 - 118	49 - 54	22.15	4660	3.0						
	5.6 - 48	82 - 111	53.92	3310	1.00						
	6.4 - 56	72 - 97	46.49	3520	1.15						
	7.9 - 69	61 - 80	37.88	3730	1.35						
	9.6 - 83	52 - 68	31.33	3670	1.65						
	11 - 94	47 - 61	27.78	3590	1.80						
	11 - 97	54 - 64	26.96	3640	1.40						
	13 - 112	47 - 56	23.25	3530	1.60						
	5.0 - 44	64 - 91	60.00*	3000	0.75						
	6.2 - 54	57 - 79	48.00*	3000	0.90						
0.75	11 - 95	43 - 55	27.50*	3000	1.30						
	12 - 107	41 - 51	24.50*	3000	1.35						
	18 - 160	31 - 37	16.33	2890	1.65						
	21 - 182	29 - 33	14.33	2800	1.80						
	29 - 255	22 - 25	10.25*	2670	2.0						
	37 - 318	18 - 20	8.20*	2430	1.95						
	46 - 397	15 - 17	6.57	2280	2.3						



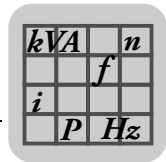
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]	
1.1	5.1 - 44	148 - 186	58.98	4890	0.95							
	5.9 - 51	130 - 164	51.12	4840	1.10							
	6.3 - 55	122 - 154	47.78	4810	1.15							
	7.3 - 63	107 - 134	41.30	4740	1.35							
	8.6 - 74	93 - 116	35.09	4630	1.55							
	9.5 - 83	100 - 112	31.62	4710	1.45							
	9.6 - 83	84 - 104	31.33	4550	1.75							
	11 - 95	88 - 97	27.41	4590	1.65							
	11 - 98	73 - 90	26.76	4430	2.0							
	12 - 102	82 - 91	25.62	4530	1.75							
	12 - 104	69 - 85	25.07	4380	2.1							
	14 - 118	71 - 80	22.15	4390	2.0							
	16 - 139	61 - 68	18.82	4240	2.4							
	18 - 155	55 - 61	16.80	4120	2.6							
	24 - 212	45 - 47	12.30	3980	2.3							
	28 - 245	39 - 41	10.66	3820	2.7							
	30 - 262	37 - 38	9.96	3750	2.9							
	6.4 - 56	106 - 142	46.49	0	0.75							
	7.9 - 69	89 - 118	37.88	2890	0.95							
	9.6 - 83	76 - 99	31.33	3190	1.10							
	11 - 94	68 - 89	27.78	3160	1.25							
	11 - 97	80 - 94	26.96	3250	0.95							
	13 - 112	70 - 82	23.25	3200	1.10							
	12 - 107	60 - 75	24.50*	2890	0.95							
	18 - 160	46 - 54	16.33	2700	1.10							
	21 - 182	42 - 49	14.33	2640	1.25							
	29 - 255	33 - 36	10.25*	2600	1.35							
	37 - 318	27 - 30	8.20*	2340	1.35							
	46 - 397	23 - 25	6.57	2210	1.60							
	1.5	5.9 - 51	177 - 220	51.12	4090							
6.3 - 55		167 - 205	47.78	4110	0.85							
7.3 - 63		146 - 183	41.30	4120	1.00							
8.6 - 74		126 - 158	35.09	4100	1.15							
9.5 - 83		137 - 152	31.62	4280	1.05							
9.6 - 83		114 - 142	31.33	4080	1.25							
11 - 95		120 - 133	27.41	4210	1.20							
11 - 98		99 - 123	26.76	4020	1.45							
12 - 102		112 - 125	25.62	4180	1.30							
12 - 104		94 - 115	25.07	3990	1.55							
14 - 118		97 - 108	22.15	4090	1.50							
16 - 139		83 - 93	18.82	3970	1.70							
18 - 155		75 - 83	16.80	3890	1.90							
21 - 182		64 - 72	14.35	3770	2.2							
22 - 194		60 - 67	13.44	3720	2.4							
24 - 212		62 - 64	12.30	3860	1.70							
26 - 231		51 - 57	11.32	3580	2.8							
28 - 245		54 - 56	10.66	3720	1.95							
30 - 262		50 - 52	9.96	3650	2.1							
35 - 303		44 - 45	8.61	3510	2.4							
41 - 357		37 - 39	7.32	3360	2.8							
9.6 - 83		103 - 135	31.33	0	0.80							
11 - 94		93 - 121	27.78	2590	0.90							
13 - 112		95 - 112	23.25	2810	0.80							
14 - 122	75 - 95	21.33	2690	1.15								
16 - 138	79 - 92	18.94	2790	1.00								
19 - 167	66 - 77	15.67	2740	1.15								
22 - 188	59 - 68	13.89	2700	1.30								
W	47	DRE	80SJ4	MM15	23							
WF	47	DRE	80SJ4	MM15	23							
WA	47	DRE	80SJ4	MM15	21							
WAF	47	DRE	80SJ4	MM15	22							
W	37	DRE	80SJ4	MM15	16							
WF	37	DRE	80SJ4	MM15	16							
WA	37	DRE	80SJ4	MM15	16							
WAF	37	DRE	80SJ4	MM15	16							



W..DR..J..MM..

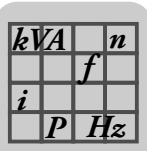
W..DRE..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
2.2	9.6 - 83	168 - 205	31.33	3240	0.85						
	11 - 95	176 - 195	27.41	3560	0.80						
	11 - 98	146 - 180	26.76	3300	1.00						
	12 - 102	165 - 183	25.62	3560	0.90						
	12 - 104	138 - 169	25.07	3310	1.05						
	14 - 118	143 - 159	22.15	3550	1.00						
	16 - 139	123 - 136	18.82	3520	1.20						
	18 - 155	110 - 122	16.80	3480	1.30	W	47	DRE	80MJ4	MM22	26
	21 - 182	95 - 105	14.35	3420	1.55	WF	47	DRE	80MJ4	MM22	26
	22 - 194	89 - 98	13.44	3390	1.60	WA	47	DRE	80MJ4	MM22	24
	26 - 231	75 - 83	11.32	3300	1.90	WAF	47	DRE	80MJ4	MM22	25
	28 - 245	79 - 82	10.66	3540	1.35						
	30 - 262	74 - 77	9.96	3490	1.45						
	35 - 303	64 - 67	8.61	3370	1.65						
	41 - 357	55 - 57	7.32	3230	1.95						
	46 - 399	49 - 51	6.53	3140	2.2						
	54 - 468	42 - 43	5.58	3010	2.5						
	57 - 499	39 - 41	5.23	2960	2.7						
	14 - 122	110 - 140	21.33	0	0.80						
	19 - 167	97 - 113	15.67	2280	0.80						
	22 - 188	87 - 100	13.89	2290	0.90	W	37	DRE	80MJ4	MM22	19
	28 - 245	69 - 78	10.67	2280	1.15	WF	37	DRE	80MJ4	MM22	19
	35 - 305	62 - 64	8.55	2610	1.10	WA	37	DRE	80MJ4	MM22	19
	43 - 374	51 - 52	6.97	2490	1.35	WAF	37	DRE	80MJ4	MM22	19
	52 - 453	42 - 44	5.77	2370	1.60						
	59 - 511	37 - 39	5.11	2300	1.80						
	76 - 665	29 - 30	3.93	2140	2.4						
3.0	16 - 139	167 - 186	18.82	3000	0.85						
	18 - 155	150 - 166	16.80	3010	0.95						
	21 - 182	129 - 143	14.35	3020	1.10						
	22 - 194	121 - 134	13.44	3010	1.20						
	26 - 231	103 - 114	11.32	2980	1.40	W	47	DRE	90MJ4	MM30	29
	35 - 303	88 - 91	8.61	3200	1.20	WF	47	DRE	90MJ4	MM30	30
	41 - 357	75 - 77	7.32	3090	1.40	WA	47	DRE	90MJ4	MM30	28
	46 - 399	67 - 69	6.53	3020	1.60	WAF	47	DRE	90MJ4	MM30	29
	54 - 468	57 - 59	5.58	2900	1.85						
	57 - 499	54 - 56	5.23	2860	2.00						
	68 - 593	45 - 47	4.40	2740	2.4						
	77 - 671	40 - 41	3.89	2650	2.6						
	28 - 245	94 - 106	10.67	1910	0.85						
	43 - 374	69 - 72	6.97	2360	1.00	W	37	DRE	90MJ4	MM30	23
	52 - 453	57 - 59	5.77	2260	1.20	WF	37	DRE	90MJ4	MM30	23
	59 - 511	51 - 53	5.11	2200	1.35	WA	37	DRE	90MJ4	MM30	23
	76 - 665	39 - 41	3.93	2070	1.70	WAF	37	DRE	90MJ4	MM30	23
	94 - 816	32 - 33	3.20*	1970	2.1						
4.0	21 - 182	172 - 191	14.35	2510	0.85						
	22 - 194	161 - 179	13.44	2540	0.90						
	26 - 231	137 - 152	11.32	2580	1.05						
	35 - 303	117 - 121	8.61	3000	0.90						
	41 - 357	99 - 103	7.32	2920	1.05	W	47	DRE	90LJ4	MM40	32
	46 - 399	89 - 92	6.53	2860	1.20	WF	47	DRE	90LJ4	MM40	33
	54 - 468	76 - 79	5.58	2770	1.40	WA	47	DRE	90LJ4	MM40	31
	57 - 499	71 - 74	5.23	2730	1.50	WAF	47	DRE	90LJ4	MM40	32
	68 - 593	60 - 62	4.40	2630	1.75						
	77 - 671	53 - 55	3.89	2560	2.00						
	92 - 799	45 - 46	3.27	2450	2.4						
	43 - 374	92 - 95	6.97	2190	0.75	W	37	DRE	90LJ4	MM40	26
	52 - 453	77 - 79	5.77	2130	0.90	WF	37	DRE	90LJ4	MM40	26
	59 - 511	68 - 70	5.11	2080	1.00	WA	37	DRE	90LJ4	MM40	26
	76 - 665	52 - 54	3.93	1980	1.30	WAF	37	DRE	90LJ4	MM40	26
	94 - 816	43 - 44	3.20*	1890	1.60						



7.2 W..DRE..J..MM.. [1:5, 300 – 1500 1/min]

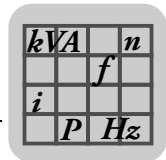
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]
0.37	4.0 - 20	108 - 128	74.98	6730	1.40		
	4.4 - 22	100 - 119	68.93	6780	1.50		
	5.1 - 25	87 - 103	58.98	6870	1.75		
	5.9 - 29	76 - 91	51.12	6940	2.00	W 47 DRE 71SJ4 MM03	18
	6.3 - 31	72 - 86	47.78	6970	2.1	WF 47 DRE 71SJ4 MM03	19
	7.3 - 36	63 - 75	41.30	6790	2.4	WA 47 DRE 71SJ4 MM03	17
	8.6 - 43	54 - 65	35.09	6510	2.8	WAF 47 DRE 71SJ4 MM03	17
	9.5 - 47	59 - 63	31.62	6410	2.5		
	11 - 55	51 - 55	27.41	6170	2.9		
	4.3 - 22	88 - 111	69.05	3310	1.00		
	4.7 - 24	81 - 103	63.33	3440	1.05		
	5.6 - 28	70 - 89	53.92	3620	1.25		
	6.4 - 32	62 - 78	46.49	3750	1.40		
	7.9 - 40	52 - 65	37.88	3870	1.70	W 37 DRE 71SJ4 MM03	13
	8.7 - 43	59 - 67	34.52	3860	1.35	WF 37 DRE 71SJ4 MM03	13
	9.5 - 47	54 - 62	31.67	3900	1.45	WA 37 DRE 71SJ4 MM03	13
	9.6 - 48	44 - 55	31.33	3950	2.0	WAF 37 DRE 71SJ4 MM03	13
	11 - 54	40 - 49	27.78	3990	2.2		
	11 - 56	47 - 54	26.96	3960	1.70		
	13 - 65	41 - 47	23.25	4010	1.95		
	4.0 - 20	58 - 80	75.00*	3000	0.85		
	5.0 - 25	55 - 74	60.00*	3000	0.95		
	6.2 - 31	49 - 64	48.00*	3000	1.10		
	7.7 - 38	46 - 58	39.00*	3000	1.20		
	9.2 - 46	38 - 49	32.50*	3000	1.45		
	11 - 55	37 - 46	27.50*	3000	1.55	W 30 DRE 71SJ4 MM03	12
	12 - 61	35 - 42	24.50*	3000	1.65	WF 30 DRE 71SJ4 MM03	12
	15 - 77	31 - 36	19.50*	3000	1.95	WA 30 DRE 71SJ4 MM03	11
	18 - 92	27 - 31	16.33	3000	1.95	WAF 30 DRE 71SJ4 MM03	12
	21 - 105	25 - 28	14.33	3000	2.1		
	29 - 146	19 - 21	10.25*	3000	2.4		
	37 - 183	16 - 17	8.20*	2990	2.3		
	46 - 228	13 - 14	6.57	2800	2.8		
	11 - 55	35 - 44	27.50*	2200	0.90		
	12 - 61	32 - 40	24.50*	2200	1.00		
	15 - 77	28 - 34	19.50*	2200	1.05	W 20 DRE 71SJ4 MM03	9.1
	18 - 91	25 - 30	16.50*	2200	1.00	WF 20 DRE 71SJ4 MM03	9.2
	21 - 105	24 - 27	14.33	2200	1.10	WA 20 DRE 71SJ4 MM03	8.8
	29 - 146	18 - 20	10.25*	2030	1.25	WAF 20 DRE 71SJ4 MM03	8.8
	37 - 183	15 - 17	8.20*	1830	1.20		
	46 - 228	13 - 14	6.57	1750	1.40		
0.55	5.1 - 25	129 - 154	58.98	6570	1.15		
	5.9 - 29	113 - 135	51.12	6600	1.35		
	6.3 - 31	107 - 127	47.78	6520	1.40		
	7.3 - 36	94 - 111	41.30	6330	1.60		
	8.6 - 43	81 - 96	35.09	6120	1.85		
	9.5 - 47	88 - 94	31.62	6090	1.70	W 47 DRE 71MJ4 MM05	21
	9.6 - 48	73 - 87	31.33	5960	2.1	WF 47 DRE 71MJ4 MM05	21
	11 - 55	76 - 82	27.41	5880	1.95	WA 47 DRE 71MJ4 MM05	19
	11 - 56	64 - 75	26.76	5750	2.4	WAF 47 DRE 71MJ4 MM05	20
	12 - 59	72 - 77	25.62	5790	2.1		
	12 - 60	60 - 71	25.07	5660	2.6		
	14 - 68	62 - 67	22.15	5580	2.4		
	16 - 80	53 - 58	18.82	5350	2.8		
	24 - 122	40 - 41	12.30	4900	2.7		



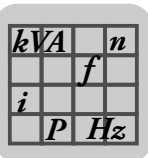
W..DR..J..MM..

W..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.55	6.4 - 32	92 - 116	46.49	3010	0.95						
	7.9 - 40	77 - 97	37.88	3520	1.15						
	9.6 - 48	66 - 82	31.33	3710	1.35						
	11 - 54	60 - 74	27.78	3800	1.50	W	37	DRE	71MJ4	MM05	14
	11 - 56	70 - 80	26.96	3740	1.15	WF	37	DRE	71MJ4	MM05	14
	13 - 65	61 - 69	23.25	3840	1.30	WA	37	DRE	71MJ4	MM05	14
	14 - 70	48 - 58	21.33	3930	1.90	WAF	37	DRE	71MJ4	MM05	14
	16 - 79	50 - 57	18.94	3940	1.60						
	19 - 96	42 - 48	15.67	3870	1.90						
	22 - 108	38 - 43	13.89	3760	2.1						
	11 - 55	56 - 68	27.50*	3000	1.05						
	12 - 61	53 - 63	24.50*	3000	1.10	W	30	DRE	71MJ4	MM05	13
	18 - 92	40 - 46	16.33	3000	1.30	WF	30	DRE	71MJ4	MM05	13
	21 - 105	37 - 42	14.33	3000	1.45	WA	30	DRE	71MJ4	MM05	13
	29 - 146	28 - 31	10.25*	3000	1.60	WAF	30	DRE	71MJ4	MM05	13
	37 - 183	24 - 26	8.20*	2910	1.55						
	46 - 228	20 - 22	6.57	2740	1.85						
0.75	5.1 - 25	176 - 205	58.98	6070	0.85						
	5.9 - 29	155 - 184	51.12	5980	1.00						
	6.3 - 31	145 - 173	47.78	5940	1.05						
	7.3 - 36	128 - 152	41.30	5820	1.20						
	8.6 - 43	110 - 131	35.09	5680	1.35						
	9.5 - 47	120 - 129	31.62	5730	1.25						
	9.6 - 48	100 - 118	31.33	5560	1.50						
	11 - 55	104 - 112	27.41	5570	1.40						
	11 - 56	87 - 102	26.76	5400	1.75	W	47	DRE	71MJ4	MM07	21
	12 - 59	98 - 105	25.62	5490	1.50	WF	47	DRE	71MJ4	MM07	21
	12 - 60	82 - 96	25.07	5340	1.85	WA	47	DRE	71MJ4	MM07	19
	14 - 68	85 - 92	22.15	5320	1.75	WAF	47	DRE	71MJ4	MM07	20
	16 - 80	73 - 79	18.82	5130	2.0						
	18 - 89	65 - 71	16.80	4990	2.3						
	21 - 105	56 - 61	14.35	4800	2.6						
	22 - 112	53 - 57	13.44	4720	2.8						
	24 - 122	54 - 56	12.30	4800	2.00						
	28 - 141	47 - 48	10.66	4600	2.3						
	30 - 151	44 - 45	9.96	4520	2.4						
	35 - 174	38 - 39	8.61	4330	2.8						
	9.6 - 48	90 - 112	31.33	3290	1.00						
	11 - 54	81 - 100	27.78	3480	1.10						
	13 - 65	83 - 94	23.25	3560	0.95						
	14 - 70	65 - 79	21.33	3740	1.40	W	37	DRE	71MJ4	MM07	14
	16 - 79	69 - 78	18.94	3750	1.15	WF	37	DRE	71MJ4	MM07	14
	19 - 96	58 - 65	15.67	3640	1.40	WA	37	DRE	71MJ4	MM07	14
	22 - 108	52 - 58	13.89	3560	1.55	WAF	37	DRE	71MJ4	MM07	14
	28 - 141	41 - 45	10.67	3360	2.00						
	30 - 151	43 - 44	9.92	3550	1.60						
	35 - 175	37 - 38	8.55	3400	1.85						
	18 - 92	54 - 63	16.33	3000	0.95	W	30	DRE	71MJ4	MM07	13
	21 - 105	50 - 57	14.33	3000	1.05	WF	30	DRE	71MJ4	MM07	13
	29 - 146	39 - 43	10.25*	3000	1.15	WA	30	DRE	71MJ4	MM07	13
	37 - 183	32 - 35	8.20*	2820	1.15	WAF	30	DRE	71MJ4	MM07	13
	46 - 228	27 - 29	6.57	2670	1.35						



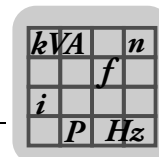
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]
1.1	7.3 - 36	187 - 220	41.30	4920	0.80		
	8.6 - 43	162 - 192	35.09	4900	0.95		
	9.5 - 47	175 - 189	31.62	5090	0.85		
	9.6 - 48	146 - 173	31.33	4870	1.05		
	11 - 55	153 - 165	27.41	5020	0.95		
	11 - 56	127 - 150	26.76	4800	1.20		
	12 - 59	143 - 155	25.62	4970	1.05		
	12 - 60	120 - 141	25.07	4770	1.25		
	14 - 68	125 - 135	22.15	4870	1.20		
	16 - 80	107 - 115	18.82	4740	1.40	W 47 DRE 80SJ4	MM11 23
	18 - 89	96 - 104	16.80	4640	1.55	WF 47 DRE 80SJ4	MM11 23
	21 - 105	82 - 89	14.35	4500	1.80	WA 47 DRE 80SJ4	MM11 21
	22 - 112	77 - 84	13.44	4440	1.90	WAF 47 DRE 80SJ4	MM11 22
	24 - 122	79 - 81	12.30	4620	1.35		
	26 - 132	66 - 71	11.32	4280	2.2		
	28 - 141	69 - 71	10.66	4450	1.55		
	30 - 151	64 - 66	9.96	4370	1.65		
	35 - 174	56 - 57	8.61	4200	1.90		
	41 - 205	48 - 49	7.32	4020	2.2		
	46 - 230	43 - 44	6.53	3890	2.5		
	54 - 269	36 - 37	5.58	3720	2.9		
	14 - 70	95 - 116	21.33	3060	0.95		
	19 - 96	85 - 95	15.67	3260	0.95		
	22 - 108	76 - 85	13.89	3210	1.05		
	28 - 141	60 - 66	10.67	3090	1.35	W 37 DRE 80SJ4	MM11 16
	30 - 151	62 - 64	9.92	3410	1.10	WF 37 DRE 80SJ4	MM11 16
	35 - 175	54 - 55	8.55	3280	1.25	WA 37 DRE 80SJ4	MM11 16
	43 - 215	44 - 45	6.97	3110	1.55	WAF 37 DRE 80SJ4	MM11 16
	52 - 260	37 - 38	5.77	2950	1.85		
	59 - 293	33 - 33	5.11	2860	2.1		
	76 - 382	25 - 26	3.93	2650	2.7		
1.5	11 - 56	173 - 200	26.76	4110	0.90		
	12 - 60	163 - 193	25.07	4120	0.95		
	14 - 68	170 - 184	22.15	4350	0.85		
	16 - 80	145 - 157	18.82	4300	1.00		
	18 - 89	130 - 141	16.80	4250	1.15		
	21 - 105	112 - 122	14.35	4160	1.30		
	22 - 112	105 - 114	13.44	4120	1.40	W 47 DRE 80MJ4	MM15 26
	26 - 132	89 - 97	11.32	4010	1.65	WF 47 DRE 80MJ4	MM15 26
	28 - 141	94 - 97	10.66	4280	1.15	WA 47 DRE 80MJ4	MM15 24
	30 - 151	88 - 90	9.96	4210	1.20	WAF 47 DRE 80MJ4	MM15 25
	35 - 174	76 - 78	8.61	4060	1.40		
	41 - 205	65 - 67	7.32	3900	1.65		
	46 - 230	58 - 60	6.53	3780	1.85		
	54 - 269	50 - 51	5.58	3630	2.2		
	57 - 287	47 - 48	5.23	3560	2.3		
	68 - 341	39 - 40	4.40	3400	2.7		
	28 - 141	81 - 90	10.67	2780	1.00		
	35 - 175	74 - 76	8.55	3150	0.95	W 37 DRE 80MJ4	MM15 19
	43 - 215	60 - 62	6.97	3000	1.15	WF 37 DRE 80MJ4	MM15 19
	52 - 260	50 - 51	5.77	2860	1.35	WA 37 DRE 80MJ4	MM15 19
	59 - 293	44 - 45	5.11	2770	1.55	WAF 37 DRE 80MJ4	MM15 19
	76 - 382	34 - 35	3.93	2580	2.0		
	94 - 469	28 - 29	3.20*	2440	2.4		
2.2	21 - 105	164 - 178	14.35	3560	0.90		
	22 - 112	154 - 167	13.44	3560	0.95		
	26 - 132	131 - 142	11.32	3530	1.15		
	35 - 174	112 - 115	8.61	3820	0.95		
	41 - 205	95 - 98	7.32	3690	1.10	W 47 DRE 90MJ4	MM22 29
	46 - 230	85 - 88	6.53	3600	1.25	WF 47 DRE 90MJ4	MM22 30
	54 - 269	73 - 75	5.58	3470	1.45	WA 47 DRE 90MJ4	MM22 28
	57 - 287	68 - 70	5.23	3410	1.55	WAF 47 DRE 90MJ4	MM22 29
	68 - 341	58 - 59	4.40	3270	1.85		
	77 - 386	51 - 53	3.89	3170	2.1		
	92 - 459	43 - 44	3.27	3020	2.5		
	52 - 260	73 - 75	5.77	2700	0.95	W 37 DRE 90MJ4	MM22 23
	59 - 293	65 - 67	5.11	2630	1.05	WF 37 DRE 90MJ4	MM22 23
	76 - 382	50 - 51	3.93	2470	1.35	WA 37 DRE 90MJ4	MM22 23
	94 - 469	41 - 42	3.20*	2350	1.65	WAF 37 DRE 90MJ4	MM22 23



W..DR..J..MM..

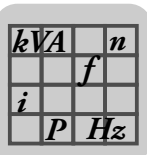
W..DRE..J..MM.. [1:5, 300 – 1500 1/min]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
3.0	26 - 132	179 - 194	11.32	2980	0.85						
	41 - 205	130 - 133	7.32	3450	0.80						
	46 - 230	116 - 119	6.53	3380	0.90	W	47	DRE	90LJ4	MM30	32
	54 - 269	99 - 102	5.58	3280	1.10	WF	47	DRE	90LJ4	MM30	33
	57 - 287	93 - 96	5.23	3240	1.15	WA	47	DRE	90LJ4	MM30	31
	68 - 341	79 - 81	4.40	3130	1.35	WAF	47	DRE	90LJ4	MM30	32
	77 - 386	70 - 72	3.89	3040	1.55						
	92 - 459	59 - 60	3.27	2920	1.80						
	76 - 382	68 - 70	3.93	2350	1.00	W	37	DRE	90LJ4	MM30	26
	94 - 469	56 - 57	3.20*	2250	1.20	WF	37	DRE	90LJ4	MM30	26
						WA	37	DRE	90LJ4	MM30	26
						WAF	37	DRE	90LJ4	MM30	26



7.3 W..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

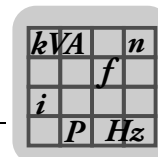
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B						m [kg]
0.55	5.1 - 44	74 - 93	58.98	6070	1.95	W	47	DRU	71MJ4	MM05	18
	5.9 - 51	65 - 82	51.12	5880	2.2	WF	47	DRU	71MJ4	MM05	19
	6.3 - 55	61 - 77	47.78	5780	2.3	WA	47	DRU	71MJ4	MM05	17
	7.3 - 63	54 - 67	41.30	5590	2.7	WAF	47	DRU	71MJ4	MM05	17
	9.5 - 83	50 - 56	31.62	5300	2.9						
	5.6 - 48	60 - 81	53.92	3720	1.35	W	37	DRU	71MJ4	MM05	13
	6.4 - 56	53 - 71	46.49	3820	1.55	WF	37	DRU	71MJ4	MM05	13
	7.9 - 69	44 - 59	37.88	3920	1.85	WA	37	DRU	71MJ4	MM05	13
						WAF	37	DRU	71MJ4	MM05	13
	4.0 - 35	49 - 73	75.00*	3000	0.95						
	5.0 - 44	47 - 67	60.00*	3000	1.05						
	6.2 - 54	42 - 58	48.00*	3000	1.20						
	9.2 - 80	33 - 44	32.50*	3000	1.60						
	11 - 95	32 - 40	27.50*	3000	1.75	W	30	DRU	71MJ4	MM05	12
	12 - 107	30 - 37	24.50*	3000	1.85	WF	30	DRU	71MJ4	MM05	12
	18 - 160	23 - 27	16.33	3000	2.2	WA	30	DRU	71MJ4	MM05	11
	21 - 182	21 - 24	14.33	2900	2.5	WAF	30	DRU	71MJ4	MM05	12
	29 - 255	16 - 18	10.25*	2710	2.7						
	37 - 318	14 - 15	8.20*	2480	2.7						
	46 - 397	11 - 13	6.57	2320	3.2						
0.75	5.1 - 44	101 - 127	58.98	5640	1.40						
	5.9 - 51	89 - 112	51.12	5500	1.60						
	6.3 - 55	83 - 105	47.78	5430	1.70						
	7.3 - 63	73 - 92	41.30	5280	1.95	W	47	DRU	80SJ4	MM07	23
	8.6 - 74	63 - 79	35.09	5100	2.3	WF	47	DRU	80SJ4	MM07	23
	9.5 - 83	69 - 76	31.62	5090	2.1	WA	47	DRU	80SJ4	MM07	21
	9.6 - 83	57 - 71	31.33	4970	2.5	WAF	47	DRU	80SJ4	MM07	22
	11 - 95	60 - 66	27.41	4910	2.4						
	11 - 98	50 - 61	26.76	4800	2.9						
	12 - 102	56 - 62	25.62	4830	2.6						
	14 - 118	49 - 54	22.15	4660	3.0						
	5.6 - 48	82 - 111	53.92	3310	1.00	W	37	DRU	80SJ4	MM07	16
	6.4 - 56	72 - 97	46.49	3520	1.15	WF	37	DRU	80SJ4	MM07	16
	7.9 - 69	61 - 80	37.88	3730	1.35	WA	37	DRU	80SJ4	MM07	16
	9.6 - 83	52 - 68	31.33	3670	1.65	WAF	37	DRU	80SJ4	MM07	16
	11 - 94	47 - 61	27.78	3590	1.80						
	11 - 97	54 - 64	26.96	3640	1.40						
	13 - 112	47 - 56	23.25	3530	1.60						
	6.2 - 54	57 - 79	48.00*	3000	0.90						
	11 - 95	43 - 55	27.50*	3000	1.30	W	30	DRU	80SJ4	MM07	15
	12 - 107	41 - 51	24.50*	3000	1.35	WF	30	DRU	80SJ4	MM07	15
	18 - 160	31 - 37	16.33	2890	1.65	WA	30	DRU	80SJ4	MM07	14
	21 - 182	29 - 33	14.33	2800	1.80	WAF	30	DRU	80SJ4	MM07	15
	29 - 255	22 - 25	10.25*	2670	2.0						
	37 - 318	18 - 20	8.20*	2430	1.95						
	46 - 397	15 - 17	6.57	2280	2.3						
1.1	5.9 - 51	130 - 164	51.12	4840	1.10						
	6.3 - 55	122 - 154	47.78	4810	1.15						
	7.3 - 63	107 - 134	41.30	4740	1.35						
	8.6 - 74	93 - 116	35.09	4630	1.55						
	9.6 - 83	84 - 104	31.33	4550	1.75	W	47	DRU	80MJ4	MM11	26
	11 - 95	88 - 97	27.41	4590	1.65	WF	47	DRU	80MJ4	MM11	26
	11 - 98	73 - 90	26.76	4430	2.0	WA	47	DRU	80MJ4	MM11	24
	12 - 102	82 - 91	25.62	4530	1.75	WAF	47	DRU	80MJ4	MM11	25
	12 - 104	69 - 85	25.07	4380	2.1						
	14 - 118	71 - 80	22.15	4390	2.0						
	16 - 139	61 - 68	18.82	4240	2.4						
	18 - 155	55 - 61	16.80	4120	2.6						
	28 - 245	39 - 41	10.66	3820	2.7						
	30 - 262	37 - 38	9.96	3750	2.9						
	6.4 - 56	106 - 142	46.49	0	0.75	W	37	DRU	80MJ4	MM11	19
	7.9 - 69	89 - 118	37.88	2890	0.95	WF	37	DRU	80MJ4	MM11	19
	9.6 - 83	76 - 99	31.33	3190	1.10	WA	37	DRU	80MJ4	MM11	19
	11 - 94	68 - 89	27.78	3160	1.25	WAF	37	DRU	80MJ4	MM11	19
	13 - 112	70 - 82	23.25	3200	1.10						



W..DR..J..MM..

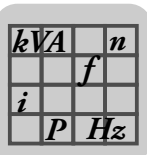
W..DRU..J..MM.. [1:8.7, 300 – 2610 1/min]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
1.5	7.3 - 63	146 - 183	41.30	4120	1.00						
	8.6 - 74	126 - 158	35.09	4100	1.15						
	9.6 - 83	114 - 142	31.33	4080	1.25						
	11 - 98	99 - 123	26.76	4020	1.45						
	12 - 104	94 - 115	25.07	3990	1.55						
	14 - 118	97 - 108	22.15	4090	1.50						
	16 - 139	83 - 93	18.82	3970	1.70						
	18 - 155	75 - 83	16.80	3890	1.90						
	21 - 182	64 - 72	14.35	3770	2.2						
	22 - 194	60 - 67	13.44	3720	2.4						
	26 - 231	51 - 57	11.32	3580	2.8						
	35 - 303	44 - 45	8.61	3510	2.4						
	41 - 357	37 - 39	7.32	3360	2.8						
	9.6 - 83	103 - 135	31.33	0	0.80						
	11 - 94	93 - 121	27.78	2590	0.90						
	14 - 122	75 - 95	21.33	2690	1.15						
	16 - 138	79 - 92	18.94	2790	1.00						
	19 - 167	66 - 77	15.67	2740	1.15						
	22 - 188	59 - 68	13.89	2700	1.30						
2.2	9.6 - 83	168 - 205	31.33	3240	0.85						
	11 - 98	146 - 180	26.76	3300	1.00						
	12 - 104	138 - 169	25.07	3310	1.05						
	14 - 118	143 - 159	22.15	3550	1.00						
	16 - 139	123 - 136	18.82	3520	1.20						
	18 - 155	110 - 122	16.80	3480	1.30						
	21 - 182	95 - 105	14.35	3420	1.55						
	22 - 194	89 - 98	13.44	3390	1.60						
	26 - 231	75 - 83	11.32	3300	1.90						
	35 - 303	64 - 67	8.61	3370	1.65						
	41 - 357	55 - 57	7.32	3230	1.95						
	46 - 399	49 - 51	6.53	3140	2.2						
	54 - 468	42 - 43	5.58	3010	2.5						
	57 - 499	39 - 41	5.23	2960	2.7						
2.2	14 - 122	110 - 140	21.33	0	0.80						
	19 - 167	97 - 113	15.67	2280	0.80						
	22 - 188	87 - 100	13.89	2290	0.90						
	28 - 245	69 - 78	10.67	2280	1.15						
	43 - 374	51 - 52	6.97	2490	1.35						
	52 - 453	42 - 44	5.77	2370	1.60						
	59 - 511	37 - 39	5.11	2300	1.80						
	76 - 665	29 - 30	3.93	2140	2.4						



7.4 W..DRU..J..MM.. [1:5, 300 – 1500 1/min]

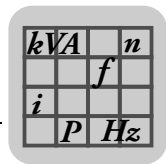
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.37	5.1 - 25	87 - 103	58.98	6870	1.75						
	5.9 - 29	76 - 91	51.12	6940	2.00						
	6.3 - 31	72 - 86	47.78	6970	2.1	W	47	DRU	71MJ4	MM03	18
	7.3 - 36	63 - 75	41.30	6790	2.4	WF	47	DRU	71MJ4	MM03	19
	8.6 - 43	54 - 65	35.09	6510	2.8	WA	47	DRU	71MJ4	MM03	17
	9.5 - 47	59 - 63	31.62	6410	2.5	WAF	47	DRU	71MJ4	MM03	17
	11 - 55	51 - 55	27.41	6170	2.9						
	5.6 - 28	70 - 89	53.92	3620	1.25						
	6.4 - 32	62 - 78	46.49	3750	1.40	W	37	DRU	71MJ4	MM03	13
	7.9 - 40	52 - 65	37.88	3870	1.70	WF	37	DRU	71MJ4	MM03	13
	9.6 - 48	44 - 55	31.33	3950	2.0	WA	37	DRU	71MJ4	MM03	13
	11 - 54	40 - 49	27.78	3990	2.2	WAF	37	DRU	71MJ4	MM03	13
	11 - 56	47 - 54	26.96	3960	1.70						
	13 - 65	41 - 47	23.25	4010	1.95						
	4.0 - 20	58 - 80	75.00*	3000	0.85						
	5.0 - 25	55 - 74	60.00*	3000	0.95						
	6.2 - 31	49 - 64	48.00*	3000	1.10						
	9.2 - 46	38 - 49	32.50*	3000	1.45	W	30	DRU	71MJ4	MM03	12
	11 - 55	37 - 46	27.50*	3000	1.55	WF	30	DRU	71MJ4	MM03	12
	12 - 61	35 - 42	24.50*	3000	1.65	WA	30	DRU	71MJ4	MM03	11
	18 - 92	27 - 31	16.33	3000	1.95	WAF	30	DRU	71MJ4	MM03	12
	21 - 105	25 - 28	14.33	3000	2.1						
	29 - 146	19 - 21	10.25*	3000	2.4						
	37 - 183	16 - 17	8.20*	2990	2.3						
	46 - 228	13 - 14	6.57	2800	2.8						
0.55	5.1 - 25	129 - 154	58.98	6570	1.15						
	5.9 - 29	113 - 135	51.12	6600	1.35						
	6.3 - 31	107 - 127	47.78	6520	1.40						
	7.3 - 36	94 - 111	41.30	6330	1.60						
	8.6 - 43	81 - 96	35.09	6120	1.85						
	9.5 - 47	88 - 94	31.62	6090	1.70	W	47	DRU	80SJ4	MM05	23
	9.6 - 48	73 - 87	31.33	5960	2.1	WF	47	DRU	80SJ4	MM05	23
	11 - 55	76 - 82	27.41	5880	1.95	WA	47	DRU	80SJ4	MM05	21
	11 - 56	64 - 75	26.76	5750	2.4	WAF	47	DRU	80SJ4	MM05	22
	12 - 59	72 - 77	25.62	5790	2.1						
	12 - 60	60 - 71	25.07	5660	2.6						
	14 - 68	62 - 67	22.15	5580	2.4						
	16 - 80	53 - 58	18.82	5350	2.8						
	24 - 122	40 - 41	12.30	4900	2.7						
	6.4 - 32	92 - 116	46.49	3010	0.95						
	7.9 - 40	77 - 97	37.88	3520	1.15						
	9.6 - 48	66 - 82	31.33	3710	1.35						
	11 - 54	60 - 74	27.78	3800	1.50	W	37	DRU	80SJ4	MM05	16
	11 - 56	70 - 80	26.96	3740	1.15	WF	37	DRU	80SJ4	MM05	16
	13 - 65	61 - 69	23.25	3840	1.30	WA	37	DRU	80SJ4	MM05	16
	14 - 70	48 - 58	21.33	3930	1.90	WAF	37	DRU	80SJ4	MM05	16
	16 - 79	50 - 57	18.94	3940	1.60						
	19 - 96	42 - 48	15.67	3870	1.90						
	22 - 108	38 - 43	13.89	3760	2.1						
	11 - 55	56 - 68	27.50*	3000	1.05						
	12 - 61	53 - 63	24.50*	3000	1.10	W	30	DRU	80SJ4	MM05	15
	18 - 92	40 - 46	16.33	3000	1.30	WF	30	DRU	80SJ4	MM05	15
	21 - 105	37 - 42	14.33	3000	1.45	WA	30	DRU	80SJ4	MM05	14
	29 - 146	28 - 31	10.25*	3000	1.60	WAF	30	DRU	80SJ4	MM05	15
	37 - 183	24 - 26	8.20*	2910	1.55						
	46 - 228	20 - 22	6.57	2740	1.85						



W..DR..J..MM..

W..DRU..J..MM.. [1:5, 300 – 1500 1/min]

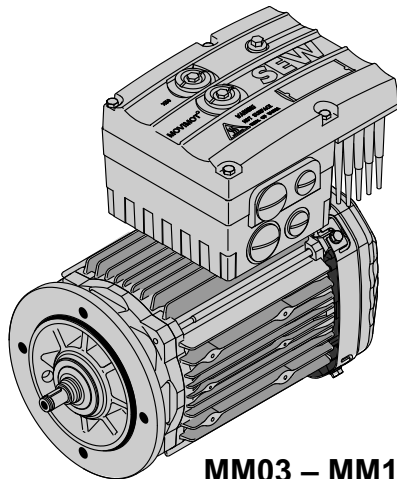
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B						m [kg]
0.75	5.9 - 29	155 - 184	51.12	5980	1.00						
	6.3 - 31	145 - 173	47.78	5940	1.05						
	7.3 - 36	128 - 152	41.30	5820	1.20						
	8.6 - 43	110 - 131	35.09	5680	1.35						
	9.6 - 48	100 - 118	31.33	5560	1.50						
	11 - 55	104 - 112	27.41	5570	1.40						
	11 - 56	87 - 102	26.76	5400	1.75						
	12 - 59	98 - 105	25.62	5490	1.50						
	12 - 60	82 - 96	25.07	5340	1.85						
	14 - 68	85 - 92	22.15	5320	1.75						
	16 - 80	73 - 79	18.82	5130	2.0						
	18 - 89	65 - 71	16.80	4990	2.3						
	21 - 105	56 - 61	14.35	4800	2.6						
	22 - 112	53 - 57	13.44	4720	2.8						
	28 - 141	47 - 48	10.66	4600	2.3						
	30 - 151	44 - 45	9.96	4520	2.4						
	35 - 174	38 - 39	8.61	4330	2.8						
	9.6 - 48	90 - 112	31.33	3290	1.00						
	11 - 54	81 - 100	27.78	3480	1.10						
	13 - 65	83 - 94	23.25	3560	0.95						
	14 - 70	65 - 79	21.33	3740	1.40						
	16 - 79	69 - 78	18.94	3750	1.15						
	19 - 96	58 - 65	15.67	3640	1.40						
	22 - 108	52 - 58	13.89	3560	1.55						
	28 - 141	41 - 45	10.67	3360	2.00						
	35 - 175	37 - 38	8.55	3400	1.85						
1.1	7.3 - 36	187 - 220	41.30	4920	0.80						
	8.6 - 43	162 - 192	35.09	4900	0.95						
	9.6 - 48	146 - 173	31.33	4870	1.05						
	11 - 56	127 - 150	26.76	4800	1.20						
	12 - 60	120 - 141	25.07	4770	1.25						
	14 - 68	125 - 135	22.15	4870	1.20						
	16 - 80	107 - 115	18.82	4740	1.40						
	18 - 89	96 - 104	16.80	4640	1.55						
	21 - 105	82 - 89	14.35	4500	1.80						
	22 - 112	77 - 84	13.44	4440	1.90						
	26 - 132	66 - 71	11.32	4280	2.2						
	35 - 174	56 - 57	8.61	4200	1.90						
	41 - 205	48 - 49	7.32	4020	2.2						
	46 - 230	43 - 44	6.53	3890	2.5						
	54 - 269	36 - 37	5.58	3720	2.9						
	14 - 70	95 - 116	21.33	3060	0.95						
	19 - 96	85 - 95	15.67	3260	0.95						
	22 - 108	76 - 85	13.89	3210	1.05						
	28 - 141	60 - 66	10.67	3090	1.35						
	43 - 215	44 - 45	6.97	3110	1.55						
	52 - 260	37 - 38	5.77	2950	1.85						
	59 - 293	33 - 33	5.11	2860	2.1						
	76 - 382	25 - 26	3.93	2650	2.7						
1.5	11 - 56	173 - 200	26.76	4110	0.90						
	12 - 60	163 - 193	25.07	4120	0.95						
	14 - 68	170 - 184	22.15	4350	0.85						
	16 - 80	145 - 157	18.82	4300	1.00						
	18 - 89	130 - 141	16.80	4250	1.15						
	21 - 105	112 - 122	14.35	4160	1.30						
	22 - 112	105 - 114	13.44	4120	1.40						
	26 - 132	89 - 97	11.32	4010	1.65						
	35 - 174	76 - 78	8.61	4060	1.40						
	41 - 205	65 - 67	7.32	3900	1.65						
	46 - 230	58 - 60	6.53	3780	1.85						
	54 - 269	50 - 51	5.58	3630	2.2						
	57 - 287	47 - 48	5.23	3560	2.3						
	68 - 341	39 - 40	4.40	3400	2.7						
	28 - 141	81 - 90	10.67	2780	1.00						
	43 - 215	60 - 62	6.97	3000	1.15						
	52 - 260	50 - 51	5.77	2860	1.35						
	59 - 293	44 - 45	5.11	2770	1.55						
	76 - 382	34 - 35	3.93	2580	2.0						
	94 - 469	28 - 29	3.20*	2440	2.4						



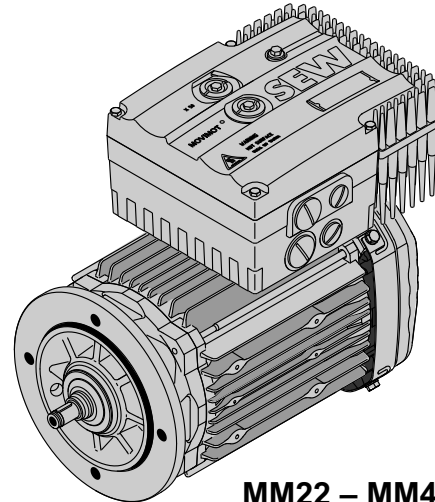
8 Technische Daten

8.1 Lieferbare MOVIMOT®-Motorkombinationen

8.1.1 MOVIMOT®-Antriebe mit DRE...J-Motoren



MM03 – MM15



MM22 – MM40

1409434251

300 – 1500 1/min $\curvearrowright$ 3 x 380 – 500 V (400 V)

IEC oder c  US

Typ	P _n [kW]	M _n [Nm]	M _{K syn} / M _n	n _n [1/min]	I _{Netz} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							ohne Bremse	mit Bremse			
DRE71SJ4 /../MM03	0.37	2.36	1.10	1500	1.3	0.99	5.14	6.44	5	9.0	11.4
DRE71MJ4 /../MM05	0.55	3.5	1.34	1500	1.6	0.99	7.3	8.6	7	10.3	12.9
DRE71MJ4 /../MM07	0.75	4.8	1.10	1500	1.9	0.99	7.3	8.6	10	10.3	12.9
DRE80SJ4 /../MM11	1.1	7.0	1.10	1500	2.4	0.99	15.5	20	14	12.7	16.4
DRE80MJ4 /../MM15	1.5	9.5	1.34	1500	3.5	0.99	22.2	26.7	20	15.5	19.2
DRE90MJ4 /../MM22	2.2	14.0	1.34	1500	5.0	0.99	35.4	41.4	28	20.9	26.8
DRE90LJ4 /../MM30	3.0	19.1	1.49	1500	6.7	0.99	43.8	49.8	40	23.7	29.6
DRE100MJ4 /../MM40	4.0	25.5	1.49	1500	7.3	0.99	56.1	62.1	55	28.9	34.8

300 – 2610 1/min $\triangle$ 3 x 380 – 500 V (400 V)

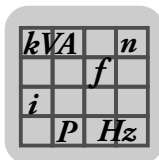
IEC oder c  US

Typ	P _n [kW]	M _n [Nm]	M _{K syn} / M _n	n _n [1/min]	I _{Netz} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							ohne Bremse	mit Bremse			
DRE71SJ4 /../MM05	0.55	2.00	1.29	2610	1.6	0.99	5.14	6.44	5	9.0	11.4
DRE71MJ4 /../MM07	0.75	2.74	1.71	2610	1.9	0.99	7.3	8.6	7	10.3	12.9
DRE71MJ4 /../MM11	1.1	4.0	1.31	2610	2.4	0.99	7.3	8.6	10	10.3	12.9
DRE80SJ4 /../MM15	1.5	5.5	1.40	2610	3.5	0.99	15.5	20	14	12.7	16.4
DRE80MJ4 /../MM22	2.2	8.1	1.59	2610	5.0	0.99	22.2	26.7	20	16.6	20.3
DRE90MJ4 /../MM30	3.0	11.0	1.71	2610	6.7	0.99	35.4	41.4	28	20.9	26.8
DRE90LJ4 /../MM40	4.0	14.6	1.80	2610	7.3	0.99	43.8	49.8	28	24.3	30.2

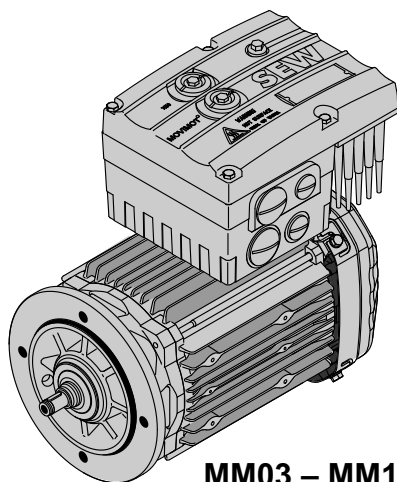
1) Masse Motor ohne Bremse

2) Masse Motor mit Bremse

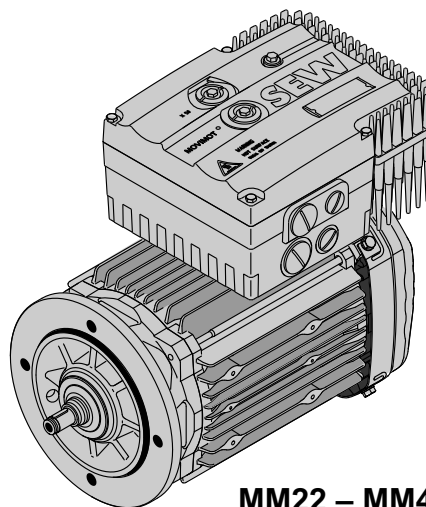
Wärmeklasse F serienmäßig



8.1.2 MOVIMOT®-Antriebe mit DRU...J-Motoren



MM03 – MM15



MM22 – MM40

1409434251

300 – 1500 1/min $\curvearrowright$ 3 x 380 – 500 V (400 V)

IEC oder US

Typ	P _n [kW]	M _n [Nm]	M _{K syn} / M _n	n _n [1/min]	I _{Netz} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							ohne Bremse	mit Bremse			
DRU71MJ4 /../MM03	0.37	2.36	1.80	1500	1.3	0.99	7.3	8.6	5	9.0	11.4
DRU80SJ4 /../MM05	0.55	3.5	1.73	1500	1.6	0.99	15.5	17.0	7	12.7	15.7
DRU80MJ4 /../MM07	0.75	4.8	1.80	1500	1.9	0.99	22.2	23.7	10	15.5	18.5
DRU90MJ4 /../MM11	1.1	7.0	1.80	1500	2.4	0.99	35.4	40.1	14	19.6	24.2
DRU90LJ4 /../MM15	1.5	9.5	1.80	1500	3.5	0.99	43.8	48.5	20	22.6	27.2
DRU100MJ4 /../MM22	2.2	14.0	1.80	1500	5.0	0.99	56.1	62.1	28	28.4	34.2
DRU100LJ4 /../MM30	3.0	19.1	1.80	1500	6.7	0.99	63.1	69.1	40	31.3	37.2

300 – 2610 1/min $\triangle$ 3 x 380 – 500 V (400 V)

IEC oder US

Typ	P _n [kW]	M _n [Nm]	M _{K syn} / M _n	n _n [1/min]	I _{Netz} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							ohne Bremse	mit Bremse			
DRU71SJ4 /../MM03	0.37	1.35	1.76	2610	1.3	0.99	5.14	6.44	3.5	9.0	11.4
DRU71MJ4 /../MM05	0.55	2.00	1.80	2610	1.6	0.99	7.3	8.6	5	9.0	11.4
DRU80SJ4 /../MM07	0.75	2.74	1.80	2610	1.9	0.99	15.5	17.0	7	12.7	15.7
DRU80MJ4 /../MM11	1.1	4.0	1.80	2610	2.4	0.99	22.2	23.7	10	15.5	18.5
DRU90MJ4 /../MM15	1.5	5.5	1.80	2610	3.5	0.99	35.4	40.1	14	19.6	24.2
DRU90LJ4 /../MM22	2.2	8.1	1.80	2610	5.0	0.99	43.8	48.5	20	23.8	28.3
DRU100MJ4 /../MM30	3.0	11.0	1.80	2610	6.7	0.99	56.1	62.1	28	28.4	34.2
DRU100LJ4 /../MM40	4.0	14.6	1.80	2610	7.3	0.99	63.1	69.1	28	31.9	37.8

1) Masse Motor ohne Bremse

2) Masse Motor mit Bremse

Wärmeklasse F serienmäßig



9 Adressenverzeichnis

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Fertigungswerk / Industriegetriebe	Bruchsal	SEW-EURODRIVE GmbH & Co KG Christian-Pähr-Str.10 D-76646 Bruchsal	Tel. +49 7251 75-0 Fax +49 7251 75-2970
Fertigungswerk	Graben	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 1 D-76676 Graben-Neudorf Postfachadresse Postfach 1220 • D-76671 Graben-Neudorf	Tel. +49 7251 75-0 Fax +49 7251 75-2970
	Östringen	SEW-EURODRIVE GmbH & Co KG, Werk Östringen Franz-Gurk-Straße 2 D-76684 Östringen	Tel. +49 7253 9254-0 Fax +49 7253 9254-90 oesstringen@sew-eurodrive.de
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	Elektronik	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 42 D-76646 Bruchsal	Tel. +49 7251 75-1780 Fax +49 7251 75-1769 sc-elektronik@sew-eurodrive.de
Drive Technology Center	Nord	SEW-EURODRIVE GmbH & Co KG Alte Ricklinger Straße 40-42 D-30823 Garbsen (bei Hannover)	Tel. +49 5137 8798-30 Fax +49 5137 8798-55 sc-nord@sew-eurodrive.de
	Ost	SEW-EURODRIVE GmbH & Co KG Dänkritzer Weg 1 D-08393 Meerane (bei Zwickau)	Tel. +49 3764 7606-0 Fax +49 3764 7606-30 sc-ost@sew-eurodrive.de
	Süd	SEW-EURODRIVE GmbH & Co KG Domagkstraße 5 D-85551 Kirchheim (bei München)	Tel. +49 89 909552-10 Fax +49 89 909552-50 sc-sued@sew-eurodrive.de
	West	SEW-EURODRIVE GmbH & Co KG Siemensstraße 1 D-40764 Langenfeld (bei Düsseldorf)	Tel. +49 2173 8507-30 Fax +49 2173 8507-55 sc-west@sew-eurodrive.de
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	Nantes	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles F-44140 Le Bignon	Tel. +33 2 40 78 42 00 Fax +33 2 40 78 42 20
	Paris	SEW-USOCOME Zone industrielle 2 rue Denis Papin F-77390 Verneuil l'Etang	Tel. +33 1 64 42 40 80 Fax +33 1 64 42 40 88
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Centre / Poitou	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles F-44140 Le Bignon	Tel. +33 2 40 78 42 11 Fax +33 2 40 78 42 20	
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Île-de-France Nord / Picardie	SEW-USOCOME 25bis rue Kléber F-92300 Levallois Perret	Tel. +33 1 41 05 92 74 Fax +33 1 41 05 92 75	
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Nord-Pas-de-Calais	SEW-USOCOME 209 route d'Hesdigneul F-62360 Hesdin l'Abbé	Tel. +33 3 21 10 86 86 Fax +33 3 21 10 86 87	
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Argentinien			
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	Córdoba	SEW EURODRIVE ARGENTINA S.A. Ruta Nacional 19, Manzana 97, Lote 5 (X5125) Malvinas Argentinas Prov. de Córdoba	Tel. +54 351-490-0010 sewcor@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
	Santa Fe	SEW EURODRIVE ARGENTINA S.A. Ruta Prov. 21 Km 7, Lote 41 Parque Industrial Alvear (2126) Gral. Alvear Prov. de Santa Fe	Tel. +54 341-317-7277 sewsfe@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
Service	Mendoza	SEW EURODRIVE ARGENTINA S.A.	Tel. +54 261-430-0060 sewmen@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
Technische Büros	Tucumán	SEW EURODRIVE ARGENTINA S.A. Balcarce 609 (T4000IAM) S.M. de Tucumán Prov. de Tucumán	Tel. +54 381-400-4569 sewtuc@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
	Bahía Blanca	SEW EURODRIVE ARGENTINA S.A. O'Higgins 95, 1er Piso A (B8000IVA) Bahía Blanca Prov. de Buenos Aires	Tel. +54 291-451-7345 sewbb@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
	Comahue	SEW EURODRIVE ARGENTINA S.A. Puerto Rico 1885 (R8324IOE) Cipolletti Prov. de Río Negro	Tel. +54 299-478-1290 sewcomahue@sew-eurodrive.com.ar http://www.sew-eurodrive.com.ar
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Elfenbeinküste			
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Estland			
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	Kuopio	SEW-EURODRIVE OY Viestikatu 3 FIN-70600 Kuopio	Tel. +358 201 589-300 sew@sew.fi
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Gabun			
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Griechenland			
Vertrieb	Athen	Christ. Boznos & Son S.A. 12, K. Mavromichali Street P.O. Box 80136 GR-18545 Piraeus	Tel. +30 2 1042 251-34 Fax +30 2 1042 251-59 http://www.boznos.gr info@boznos.gr
Technisches Büro	Thessaloniki	Christ. Boznos & Son S.A. Asklipiou 26 562 24 Evosmos, Thessaloniki	Tel. +30 2 310 7054-00 Fax +30 2 310 7055-15 info@boznos.gr
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Technische Büros	Ahmedabad	SEW-EURODRIVE India Private Limited 306, Shaan office complex, Behind Sakar-IV, Ellisebridge, Ashram Road Ahmedabad – Gujarat	Tel. +91 79 40072067/68 Fax +91 79 40072069 salesahmedabad@seweurodriveindia.com
	Aurangabad	SEW-EURODRIVE INDIA PRIVATE LIMITED	Tel. +91 86000 12333 salesaurangabad@seweurodriveindia.com
	Bangalore	SEW-EURODRIVE India Private Limited Sy.no:41-P3, Peenya1, Phase 1A, Peenya Village, Yeswanthapura Hobli, Bangalore North Taluk, Bangalore Dist, Karnataka	Tel. +91 80 22266565 Fax +91 80 22266569 salesbangalore@seweurodriveindia.com
		SEW-EURODRIVE India Private Limited # C-104, 3rd Block, KSSIDC Complex, Electronic City. Bangalore – 560100, Karnataka	Tel. +91 80 28522662 / 28522663 salesbangalore@seweurodriveindia.com
	Bangladesch	SEW-EURODRIVE INDIA PRIVATE LIMITED Genetic Udayanchal, House-96 (6th Floor), Road-23/A, Block-B, Banani, Dhaka-1213, Bangladesh	Mobile +88 01729 097309 salesdhaka@seweurodrivebangladesh.com
	Bellary	SEW-EURODRIVE India Private Limited Door no-56/279 Ward No-16, Sindhigi compound, Near Raghavendra talkies, Bellary-583101 Karnataka	Tel. +91 77609 88668 salesbellary@seweurodriveindia.com



Indien			
Chandigarh	SEW-EURODRIVE India Private Limited # 72, Type- 4, Power Colony, Chandigarh - Rupnagar Highway Rupnagar- 140001, Punjab	Tel. +91 81462 67606 saleschandigarh@seweurodrivein- dia.com	
Chennai	SEW-EURODRIVE India Private Limited 2nd Floor, Josmans Complex, No. 5, McNichols Road, Chetpet Chennai - 600031 - Tamil Nadu	Tel. +91 44 42849813 Fax +91 44 42849816 saleschennai@seweurodriveindia.com	
Kochi	SEW-EURODRIVE India Private Limited CF7-(2), Block No 1, Vasanth Nagar, Opposite Jawahar Lal Nehru Stadium, Palarivattom – Cochin 682025	Tel. +91 98951 30375 salescochin@seweurodriveindia.com	
Coimbatore	SEW-EURODRIVE INDIA PRIVATE LIMITED 687/2, SRI SAKTHIVEL TOWERS (NEAR DEEPAM HOSPITAL) TRICHY ROAD, RAMANATHAPURAM COIMBATORE - 641 045.Tamilnadu	Tel. +91 422 2322420 Fax +91 422 2323988 salescoimbatore@seweurodrivein- dia.com	
Cuttack	SEW-EURODRIVE India Private Limited Plot No.- 1764, Nuasahi, Nayapalli Bhubaneswar-12 Orissa	Tel. +91 9937446333 salescuttack@seweurodriveindia.com	
Gandhidham	SEW-EURODRIVE India Private Limited TCX-S-28, FF, Ward 12/A, Gandhidham - Kutch - 370201	Tel. +91 81282 36850 salesgandhidham@seweurodrivein- dia.com	
Hyderabad	SEW-EURODRIVE India Private Limited 408, 4th Floor, Meridian Place Green Park Road Amerpet Hyderabad - 500016 - Andhra Pradesh	Tel. +91 40 23414698 Fax +91 40 23413884 saleshyderabad@seweurodrivein- dia.com	
Jamshedpur	SEW-EURODRIVE India Private Limited Flat No :- S1 " Kashi Kunj",h. No. 60, New Rani Kudar Road No - 3 P.o. + P.s. - Kadma Jamshedpur - Pin - 831005 Jharkhand	Tel. +91 9934123671 salesjamshedpur@seweurodrivein- dia.com	
Kolhapur	SEW EURODRIVE India Private Limited	Tel. +91 86000 20846 saleskolhapur@seweurodriveindia.com	
Kolkata	SEW EURODRIVE India Private Limited 2nd floor, Room No. 35 Chowringhee Court 55, Chowringhee Road Kolkata - 700 071 - West Bengal	Tel. +91 33 22827457 Fax +91 33 22894204 saleskolkata@seweurodriveindia.com	
Lucknow	SEW-EURODRIVE India Private Limited 69, Shiv Vihar Colony Vikas Nagar-5 Lucknow 226022 - Uttar Pradesh	Tel. +91 9793627333 saleslucknow@seweurodriveindia.com	
Mumbai	SEW-EURODRIVE India Private Limited 312 A, 3rd Floor, Acme Plaza, J.B. Nagar, Andheri Kurla Road, Andheri (E) Mumbai - 400059 - Maharashtra	Tel. +91 22 28348440 Fax +91 22 28217858 salesmumbai@seweurodriveindia.com	
Nagpur	SEW-EURODRIVE India Private Limited Plot No 49, New Kailash Nager, Samta colony, Nagpur-440027	Tel. +91 95610 89525 salesnagpur@seweurodriveindia.com	



Indien			
	Nashik	SEW-EURODRIVE India Private Limited 107, "YOG" Bungalow, Mahatama Nagar, Trimbak Road, Nashik, Maharashtra – 422 007	Tel. +91 9665752978 salesnashik@seweurodriveindia.com
	Neu-Delhi	SEW-EURODRIVE India Private Limited 1008, 10th Floor, 12th Level 'Westend Mall' Tower Plot, District Centre Adjacent Hotel Hilton Janak Puri, New Delhi – 110058	Tel. +91 11 25544111 Fax +91 11 25544113 salesdelhi@seweurodriveindia.com
	Pune	SEW-EURODRIVE India Private Limited Jai Tulajabhavani Complex. Office No:- 15 First Floor, Opp. Century Enka Company, MIDC Bhosari , Pune 411 026	Tel. +91 20-65118890 / 91 Fax +91 20 25380721 salespune@seweurodriveindia.com
		SEW-EURODRIVE India Private Limited LUNAWAT PRISM 4th Floor, S.No. 148 Opposite Wanaz Company, Besides Mega Mart At Neena Co-Operative Housing Society, Paud Road, Pune 411038 - Maharashtra	Tel. +91 20 25380730/735 Fax +91 20 25380721 salespune@seweurodriveindia.com praveen.hosur@seweurodriveindia.com
	Raipur	SEW-EURODRIVE India Private Limited A-42, Ashoka Millenium Complex, Ring Road-1, Raipur 492 001 - Chhattisgarh	Tel. +91 771 4090765 Fax +91 771 4090765 salesraipur@seweurodriveindia.com
	Ranchi	SEW-EURODRIVE India Private Limited Flat No : A - 101, Krishna Shree Apartment, Anantpur, P.O. Doranda – Ranchi 834002	Tel. +91 8294630772 salesranchi@seweurodriveindia.com
	Tiruchirappalli	SEW-EURODRIVE India Private Limited A-106, Trichy Towers, Chandrasekarapuram, Salai Road, Trichy – 620018.	Mobile +91 95009 88081 salestrichy@seweurodriveindia.com
	Vadodara	SEW-EURODRIVE India Private Limited Unit No. 301, Savorite Bldg, Plot No. 143, Vinayak Society, off old Padra Road, Vadodara - 390 007. Gujarat	Tel. +91 265 2325258 Fax +91 265 2325259 salesvadodara@seweurodriveindia.com
	Vijayawada	SEW-EURODRIVE India Private Limited Door No:40-5/3-10A, Syam Nagar, NGO's Col- ony, Tikkle Road, Vijayawada-520010	Tel. +91 99895 01748 Fax +91 8662475157 Mobile 09989501748 salesvijayawada@seweurodriveindia.com
Indonesien			
Vertrieb	Jakarta	PT. Cahaya Sukses Abadi Komplek Rukan Puri Mutiara Blok A no 99, Sunter Jakarta 14350	Tel: +62 21 65310599 Fax: +62 21 65310600 csajkt@cbn.net.id
		PT. Agrindo Putra Lestari Jl.Prof.DR.Latumenten no27/A Jakarta 11330	Tel: +62 21 63855588 Fax: +62 21 63853789 aplindo@indosat.net.id



Indonesien			
	Medan	PT. Serumpun Indah Lestari Pulau Solor no. 8, Kawasan Industri Medan II Medan 20252	Tel. +62 61 687 1221 Fax +62 61 6871429 / +62 61 6871458 / +62 61 30008041 sil@serumpunindah.com serumpunindah@yahoo.com
	Surabaya	PT. TRIAGRI JAYA ABADI Jl. Sukosemolo No. 63, Galaxi Bumi Permai G6 No. 11 Surabaya 60122	Tel: +62 31 5990128 Fax: +62 31 5962666 triagri@indosat.net.id
		CV. Multi Mas Jl. Raden Saleh 43A Kav. 18 Surabaya 60174	Tel: +62 31 5458589 / +62 31 5317224 Fax: +62 31 5317220 / +62 31 5994629 sianhwa@sby.centrin.net.id
Irland			
Vertrieb Service	Dublin	Alperton Engineering Ltd. 48 Moyle Road Dublin Industrial Estate Glasnevin, Dublin 11	Tel. +353 1 830-6277 Fax +353 1 830-6458 info@alperton.ie http://www.alperton.ie
Island			
Vertrieb	Reykjavik	VARMA & VELAVERK EHF Dalshrauni 5 IS-220 Hafnarjördur	Tel. +354 585 1070 Fax +354 585)1071 varmaverk@varmaverk.is http://www.varmaverk.is
Israel			
Vertrieb	Tel Aviv	Liraz Handasa Ltd. Ahofer Str 34B / 228 58858 Holon	Tel. +972 3 5599511 Fax +972 3 5599512 http://www.liraz-handasa.co.il office@liraz-handasa.co.il
Italien			
Montagewerk Vertrieb Service	Solaro	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Bernini,14 I-20020 Solaro (Milano)	Tel. +39 02 96 9801 Fax +39 02 96 980 999 http://www.sew-eurodrive.it sewit@sew-eurodrive.it
Technische Büros	Bologna	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via della Grafica, 47 I-40064 Ozzano dell'Emilia (Bo)	Tel. +39 051 65-23-801 Fax +39 02 96 980 499
	Caserta	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Viale Carlo III Km. 23,300 I-81020 S. Nicola la Strada (Caserta)	Tel. +39 0823 219011 Fax +39 02 96 980 599
	Mailand	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Bernini,14 I-20020 Solaro (Milano)	Tel. +39 02 96 980229 Fax +39 02 96 980 999
	Pescara	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Viale Europa,132 I-65010 Villa Raspa di Spoltore (PE)	Tel. +39 085 41-59-427 Fax +39 02 96 980 699
	Turin	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Filiale Torino c.so Unione Sovietica 612/15 - int. C I-10135 Torino	Tel. +39 011 3473780 Fax +39 02 96 980 799
	Verona	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Antonio Meucci 5, I-37042 - Caldiero (VR)	Tel. +39 045 89-239-11 Fax +39 02 96 980 814



Japan			
Montagewerk Vertrieb Service	Iwata	SEW-EURODRIVE JAPAN CO., LTD 250-1, Shimoman-no, Iwata Shizuoka 438-0818	Tel. +81 538 373811 Fax +81 538 373855 http://www.sew-eurodrive.co.jp sewjapan@sew-eurodrive.co.jp
Technische Büros	Fukuoka	SEW-EURODRIVE JAPAN CO., LTD. C-go, 5th-floor, Yakuin-Hiruzu-Bldg. 1-5-11, Yakuin, Chuo-ku Fukuoka, 810-0022	Tel. +81 92 713-6955 Fax +81 92 713-6860 sewkyushu@jasmine.ocn.ne.jp
	Osaka	SEW-EURODRIVE JAPAN CO., LTD. Higobashi Shimizu Bldg. 10th floor 1-3-7 Tosabori, Nishi-ku Osaka, 550-0001	Tel. +81 6 6444--8330 Fax +81 6 6444--8338 sewosaka@crocus.ocn.ne.jp
	Tokio	SEW-EURODRIVE JAPAN CO., LTD. Omarimon Yusen Bldg. 13th floor 3-23-5 Nishinbashi, Minato-ku Tokyo 105-0003	Tel. +81 3 3239-0469 Fax +81 3 3239-0943 sewtokyo@basil.ocn.ne.jp

Kamerun			
Vertrieb	Douala	Electro-Services Rue Drouot Akwa B.P. 2024 Douala	Tel. +237 33 431137 Fax +237 33 431137 electrojemba@yahoo.fr

Kanada			
Montagewerke Vertrieb Service	Toronto	SEW-EURODRIVE CO. OF CANADA LTD. 210 Walker Drive Bramalea, ON L6T 3W1	Tel. +1 905 791-1553 Fax +1 905 791-2999 http://www.sew-eurodrive.ca l.watson@sew-eurodrive.ca
	Vancouver	SEW-EURODRIVE CO. OF CANADA LTD. Tilbury Industrial Park 7188 Honeyman Street Delta, BC V4G 1G1	Tel. +1 604 946-5535 Fax +1 604 946-2513 b.wake@sew-eurodrive.ca
	Montreal	SEW-EURODRIVE CO. OF CANADA LTD. 2555 Rue Leger Lasalle, PQ H8N 2V9	Tel. +1 514 367-1124 Fax +1 514 367-3677 a.peluso@sew-eurodrive.ca
Weitere Anschriften über Service-Stationen in Kanada auf Anfrage.			

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

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

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



Kroatien			
Vertrieb Service	Zagreb	KOMPEKS d. o. o. Zeleni dol 10 HR 10 000 Zagreb	Tel. +385 1 4613-158 Fax +385 1 4613-158 kompeks@inet.hr
Lettland			
Vertrieb	Riga	SIA Alas-Kuul Katlakalna 11C LV-1073 Riga	Tel. +371 6 7139253 Fax +371 6 7139386 http://www.alas-kuul.com info@alas-kuul.com
Libanon			
Vertrieb Libanon	Beirut	Gabriel Acar & Fils sarl B. P. 80484 Bourj Hammoud, Beirut After Sales Service	Tel. +961 1 510 532 Fax +961 1 494 971 ssacar@inco.com.lb service@medrives.com
Vertrieb Jordanien / Kuwait / Saudi-Ara- bien / Syrien	Beirut	Middle East Drives S.A.L. (offshore) Sin El Fil. B. P. 55-378 Beirut After Sales Service	Tel. +961 1 494 786 Fax +961 1 494 971 info@medrives.com http://www.medrives.com service@medrives.com
Litauen			
Vertrieb	Alytus	UAB Irseva Statybininku 106C LT-63431 Alytus	Tel. +370 315 79204 Fax +370 315 56175 irmantas@irseva.lt http://www.sew-eurodrive.lt
Luxemburg			
Montagewerk Vertrieb Service	Brüssel	SEW-EURODRIVE n.v./s.a. Researchpark Haasrode 1060 Evenementenlaan 7 BE-3001 Leuven	Tel. +32 16 386-311 Fax +32 16 386-336 http://www.sew-eurodrive.lu info@sew-eurodrive.be
Madagaskar			
Vertrieb	Antananarivo	Ocean Trade BP21bis. Andraharo Antananarivo. 101 Madagascar	Tel. +261 20 2330303 Fax +261 20 2330330 oceantrabp@moov.mg
Malaysia			
Montagewerk Vertrieb Service	Johor	SEW-EURODRIVE SDN BHD No. 95, Jalan Seroja 39, Taman Johor Jaya 81000 Johor Bahru, Johor West Malaysia	Tel. +60 7 3549409 Fax +60 7 3541404 sales@sew-eurodrive.com.my
Technische Büros	Kuala Lumpur	SEW-EURODRIVE Sdn. Bhd. No. 2, Jalan Anggerik Mokara 31/46 Kota Kemuning Seksyen 31 40460 Shah Alam Selangor Darul Ehsan	Tel. +60 3 51229633 Fax +60 3 51229622 sewsa@sew-eurodrive.com.my
	Kuching	SEW-EURODRIVE Sdn. Bhd. Lot 268, Section 9 KTLD Lorong 9, Jalan Satok 93400 Kuching, Sarawak East Malaysia	Tel. +60 82 232380 Fax +60 82 242380
	Penang	SEW-EURODRIVE Sdn. Bhd. No. 38, Jalan Bawal Kimsar Garden 13700 Prai, Penang	Tel. +60 4 3999349 Fax +60 4 3999348 sewpg@sew-eurodrive.com.my



Marokko			
Vertrieb Service	Mohammedia	SEW-EURODRIVE SARL 2 bis, Rue Al Jahid 28810 Mohammedia	Tel. +212 523 32 27 80/81 Fax +212 523 32 27 89 sew@sew-eurodrive.ma http://www.sew-eurodrive.ma
Mauretanien			
Vertrieb	Zouérat	AFRICOM - SARL En Face Marché Dumez P.B. 88 Zouérate	Tel. +222 45 44 50 19 Fax +222 45 44 03 14 contact@africom-sarl.com
Mazedonien			
Vertrieb	Skopje	Boznos DOOEL Dime Anicin 2A/7A 1000 Skopje	Tel. +389 23256553 Fax +389 23256554 http://www.boznos.mk
Mexiko			
Montagewerk Vertrieb Service	Quéretaro	SEW-EURODRIVE MEXICO SA DE CV SEM-981118-M93 Tequisquiapan No. 102 Parque Industrial Quéretaro C.P. 76220 Quéretaro, México	Tel. +52 442 1030-300 Fax +52 442 1030-301 http://www.sew-eurodrive.com.mx scmexico@seweurodrive.com.mx
Mongolei			
Vertrieb	Ulaanbaatar	SEW-EURODRIVE Representative Office Mon- golia Olympic street 8, 2nd floor Juulchin corp bldg., Sukhbaatar district, Ulaanbaatar 14253	Tel. +976-70009997 Fax +976-70009997 http://www.sew-eurodrive.mn sew@sew-eurodrive.mn
Namibia			
Vertrieb	Swakopmund	DB Mining & Industrial Services Einstein Street Strauss Industrial Park Unit1 Swakopmund	Tel. +264 64 462 738 Fax +264 64 462 734 sales@dbmining.in.na
Neuseeland			
Montagewerke Vertrieb Service	Auckland	SEW-EURODRIVE NEW ZEALAND LTD. P.O. Box 58-428 82 Greenmount drive East Tamaki Auckland	Tel. +64 9 2745627 Fax +64 9 2740165 http://www.sew-eurodrive.co.nz sales@sew-eurodrive.co.nz
	Christchurch	SEW-EURODRIVE NEW ZEALAND LTD. 10 Settlers Crescent, Ferrymead Christchurch	Tel. +64 3 384-6251 Fax +64 3 384-6455 sales@sew-eurodrive.co.nz
Technische Büros	Palmerston North	SEW-EURODRIVE NEW ZEALAND LTD. C/-Grant Shearman, RD 5, Aronui Road Palmerston North	Tel. +64 6 355-2165 Fax +64 6 355-2316 sales@sew-eurodrive.co.nz
Niederlande			
Montagewerk Vertrieb Service	Rotterdam	SEW-EURODRIVE B.V. Industrieweg 175 NL-3044 AS Rotterdam Postbus 10085 NL-3004 AB Rotterdam	Tel. +31 10 4463-700 Fax +31 10 4155-552 Service: 0800-SEWHELP http://www.sew-eurodrive.nl info@sew-eurodrive.nl



Nigeria			
Vertrieb	Lagos	EISNL Engineering Solutions and Drives Ltd Plot 9, Block A, Ikeja Industrial Estate (Ogba Scheme) Adeniyi Jones St. End Off ACME Road, Ogba, Ikeja, Lagos Nigeria	Tel. +234 (0)1 217 4332 team.sew@eisnl.com http://www.eisnl.com
Norwegen			
Montagewerk Vertrieb Service	Moss	SEW-EURODRIVE A/S Solgaard skog 71 N-1599 Moss	Tel. +47 69 24 10 20 Fax +47 69 24 10 40 http://www.sew-eurodrive.no sew@sew-eurodrive.no
Österreich			
Montagewerk Vertrieb Service	Wien	SEW-EURODRIVE Ges.m.b.H. Richard-Strauss-Strasse 24 A-1230 Wien	Tel. +43 1 617 55 00-0 Fax +43 1 617 55 00-30 http://www.sew-eurodrive.at sew@sew-eurodrive.at
Technische Büros	Linz	SEW-EURODRIVE Ges.m.b.H. Reuchlinstr. 6/3 A-4020 Linz	Tel. +43 732 655 109-0 Fax +43 732 655 109-20 tb-linz@sew-eurodrive.at
	Graz	SEW-EURODRIVE Ges.m.b.H. Grabenstraße 231 A-8045 Graz	Tel. +43 316 685 756-0 Fax +43 316 685 755 tb-graz@sew-eurodrive.at
	Dornbirn	SEW-EURODRIVE Ges.m.b.H. Lustenauerstraße 27/1 A-6850 Dornbirn	Tel. +43 5572 3725 99-0 Fax +43 5572 3725 99-20 tb-dornbirn@sew-eurodrive.at
Pakistan			
Vertrieb	Karatschi	Industrial Power Drives Al-Fatah Chamber A/3, 1st Floor Central Commercial Area, Sultan Ahmed Shah Road, Block 7/8, Karachi	Tel. +92 21 452 9369 Fax +92-21-454 7365 seweurodrive@cyber.net.pk
Paraguay			
Vertrieb	Fernando de la Mora	SEW-EURODRIVE PARAGUAY S.R.L De la Victoria 112, Esquina nueva Asunción Departamento Central Fernando de la Mora, Barrio Bernardino	Tel. +595 991 519695 Fax +595 21 3285539 sew-py@sew-eurodrive.com.py
Peru			
Montagewerk Vertrieb Service	Lima	SEW DEL PERU MOTORES REDUCTORES S.A.C. Los Calderos, 120-124 Urbanizacion Industrial Vulcano, ATE, Lima	Tel. +51 1 3495280 Fax +51 1 3493002 http://www.sew-eurodrive.com.pe sewperu@sew-eurodrive.com.pe
Philippinen			
Vertrieb	Luzon	Totaltech Corporation 5081-B C&L Mansion Filmore Ave. Cor. Fahrenheit St. 1235 Makati City	Tel: +63 2 551-9265 / +63 2 551-9271 / +63 2 551-9378 Fax: +63 2 551-9273 totaltech89@gmail.com
	All Areas	P.T. Cerna Corporation 4137 Ponte St., Brgy. Sta. Cruz, Makati City 1205	Tel: +63 2 519 6214 Fax: +63 2 890 2802 mech_drive_sys@ptcerna.com



Polen			
Montagewerk Vertrieb Service	Łódź	SEW-EURODRIVE Polska Sp.z.o.o. ul. Techniczna 5 PL-92-518 Łódź	Tel. +48 42 676 53 00 Fax +48 42 676 53 49 http://www.sew-eurodrive.pl sew@sew-eurodrive.pl
	Service	Tel. +48 42 6765332 / 42 6765343 Fax +48 42 6765346	Linia serwisowa Hotline 24H Tel. +48 602 739 739 (+48 602 SEW SEW) serwis@sew-eurodrive.pl
Technisches Büro	Tychy	SEW-EURODRIVE Polska Sp.z.o.o. ul. Strzelecka 66 PL-43-109 Tychy	Tel. +48 32 32 32 610 Fax +48 32 32 32 648
	Bydgoszcz	SEW-EURODRIVE Polska Sp.z.o.o. ul. Fordońska 246 PL-85-959 Bydgoszcz	Tel. +48 52 3606590 Fax +48 52 3606591
	Danzig	SEW-EURODRIVE Polska Sp.z.o.o. ul. Galaktyczna 30A PL-80-299 Gdańsk	Tel. +48 58 762 70 00 Fax +48 58 762 70 09
	Posen	SEW-EURODRIVE Polska Sp.z.o.o. ul. Romana Maya 1 PL-61-371 Poznań	Tel. +48 61 6465500 Fax +48 61 6465519
	Radom	SEW-EURODRIVE Polska Sp.z.o.o. ul. Słowackiego 84 PL-26-600 Radom	Tel. +48 48 365 40 50 Fax +48 48 365 40 52
Portugal			
Montagewerk Vertrieb Service	Coimbra	SEW-EURODRIVE, LDA. Apartado 15 P-3050-901 Mealhada	Tel. +351 231 20 9670 Fax +351 231 20 3685 http://www.sew-eurodrive.pt infosew@sew-eurodrive.pt
Service Competence Center	Lissabon	SEW-EURODRIVE, LDA. Núcleo Empresarial I de São Julião do Tojal Rua de Entremuros, 54 Fracção I P-2660-533 São Julião do Tojal	Tel. +351 21 958-0198 Fax +351 21 958-0245 esc.lisboa@sew-eurodrive.pt
Technisches Büro	Porto	SEW-EURODRIVE, LDA. Av. 25 de Abril, 68 4440-502 Valongo	Tel. +351 229 350 383 Fax +351 229 350 384 Tel. +351 9 32559110 esc.porto@sew-eurodrive.pt
Rumänien			
Vertrieb Service	Bukarest	Sialco Trading SRL str. Brazilia nr. 36 011783 Bucuresti	Tel. +40 21 230-1328 Fax +40 21 230-7170 sialco@sialco.ro
Russland			
Montagewerk Vertrieb Service	St. Petersburg	ZAO SEW-EURODRIVE P.O. Box 36 RUS-195220 St. Petersburg	Tel. +7 812 3332522 +7 812 5357142 Fax +7 812 3332523 http://www.sew-eurodrive.ru sew@sew-eurodrive.ru
Technisches Büro	Ekaterinburg	ZAO SEW-EURODRIVE Komintern Str. 16 Office 614 RUS-620078 Ekaterinburg	Tel. +7 343 310 3977 Fax +7 343 310 3978 eso@sew-eurodrive.ru
	Irkutsk	ZAO SEW-EURODRIVE 5-Armii Str., 31 RUS-664011 Irkutsk	Tel. +7 3952 25 5880 Fax +7 3952 25 5881 iso@sew-eurodrive.ru



Russland			
	Moskau	ZAO SEW-EURODRIVE Malaja Semjonowskaja Str. д. 9, корпус 2 RUS-107023 Moskau	Tel. +7 495 9337090 Fax +7 495 9337094 mso@sew-eurodrive.ru
	Novosibirsk	ZAO SEW-EURODRIVE pr. K Marksa 30 RUS-630087 Novosibirsk	Tel. +7 383 3350200 Fax +7 383 3462544 nso@sew-eurodrive.ru
	Perm	ZAO SEW-EURODRIVE Stakhanovskaya str., 45 Office 512 RUS-614066 Perm	Tel. +7 342 2219494 Fax +7 342 2219444 pso@sew-eurodrive.ru
	Togliatti	ZAO SEW-EURODRIVE Sportivnaya Str. 4B, office 2 Samarskaya obl. RUS-445057 Togliatti	Tel. +7 8482 710529 Fax +7 8482 810590
Sambia			
Vertrieb	Kitwe	EC Mining Limited Plots No. 5293 & 5294, Tangaanyika Road, Off Mutentemuko Road, Heavy Industrial Park, P.O.BOX 2337 Kitwe	Tel. +260 212 210 642 Fax +260 212 210 645 sales@ecmining.com http://www.ecmining.com
Schweden			
Montagewerk Vertrieb Service	Jönköping	SEW-EURODRIVE AB Gnejsvägen 6-8 S-55303 Jönköping Box 3100 S-55003 Jönköping	Tel. +46 36 3442 00 Fax +46 36 3442 80 http://www.sew-eurodrive.se jonkoping@sew.se
Vertrieb	Göteborg	SEW-EURODRIVE AB Gustaf Werners gata 8 S-42132 Västra Frölunda	Tel. +46 31 70968 80 Fax +46 31 70968 93 goteborg@sew.se
	Stockholm	SEW-EURODRIVE AB Björkholmsvägen 10 S-14146 Huddinge	Tel. +46 8 44986 80 Fax +46 8 44986 93 stockholm@sew.se
	Malmö	SEW-EURODRIVE AB Borrgatan 5 S-21124 Malmö	Tel. +46 40 68064 80 Fax +46 40 68064 93 malmo@sew.se
	Skellefteå	SEW-EURODRIVE AB Trädgårdsgatan 8 S-93131 Skellefteå	Tel. +46 910 7153 80 Fax +46 910 7153 93 skelleftea@sew.se
Schweiz			
Montagewerk Vertrieb Service	Basel	Alfred Imhof A.G. Jurastrasse 10 CH-4142 Münchenstein bei Basel	Tel. +41 61 417 1717 Fax +41 61 417 1700 http://www.imhof-sew.ch info@imhof-sew.ch
Technische Büros	Romandie	André Gerber Es Perreyres CH-1436 Chamblon	Tel. +41 24 445 3850 Fax +41 24 445 4887
	Bern / Solothurn	Rudolf Bühler Muntersweg 5 CH-2540 Grenchen	Tel. +41 32 652 2339 Fax +41 32 652 2331
	Zentralschweiz, Aargau	Armin Pfister Stierenweid CH-4950 Huttwill, BE	Tel. +41 62 962 54 55 Fax +41 62 962 54 56



Schweiz			
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	Bodensee und Ostschweiz	Markus Künzle Eichweg 4 CH-9403 Goldach	Tel. +41 71 845 2808 Fax +41 71 845 2809
Senegal			
Vertrieb	Dakar	SENEMECA Mécanique Générale Km 8, Route de Rufisque B.P. 3251, Dakar	Tel. +221 338 494 770 Fax +221 338 494 771 senemeca@sentoo.sn http://www.senemeca.com
Serbien			
Vertrieb	Belgrad	DIPAR d.o.o. Ustanicka 128a PC Košum, IV sprat SRB-11000 Beograd	Tel. +381 11 347 3244 / +381 11 288 0393 Fax +381 11 347 1337 office@dipar.rs
Singapur			
Montagewerk Vertrieb Service	Singapur	SEW-EURODRIVE PTE. LTD. No 9, Tuas Drive 2 Jurong Industrial Estate Singapore 638644	Tel. +65 68621701 Fax +65 68612827 http://www.sew-eurodrive.com.sg sewsingapore@sew-eurodrive.com
Slowakei			
Vertrieb	Bratislava	SEW-Eurodrive SK s.r.o. Rybničná 40 SK-831 06 Bratislava	Tel. +421 2 33595 202 Fax +421 2 33595 200 sew@sew-eurodrive.sk http://www.sew-eurodrive.sk
	Žilina	SEW-Eurodrive SK s.r.o. Industry Park - PChZ ulica M.R.Štefánika 71 SK-010 01 Žilina	Tel. +421 41 700 2513 Fax +421 41 700 2514 sew@sew-eurodrive.sk
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Slowenien			
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Spanien			
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	Madrid	Delegación Madrid Gran Vía. 48-2° A-D E-28220 Majadahonda (Madrid)	Tel. +34 91 6342250 Fax +34 91 6340899



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Südafrika			
Montagewerke Vertrieb Service	Johannesburg	SEW-EURODRIVE (PROPRIETARY) LIMITED Eurodrive House Cnr. Adcock Ingram and Aerodrome Roads Aeroton Ext. 2 Johannesburg 2013 P.O.Box 90004 Bertsham 2013	Tel. +27 11 248-7000 Fax +27 11 494-3104 http://www.sew.co.za info@sew.co.za
	Kapstadt	SEW-EURODRIVE (PROPRIETARY) LIMITED Rainbow Park Cnr. Racecourse & Omuramba Road Montague Gardens Cape Town P.O.Box 36556 Chempet 7442 Cape Town	Tel. +27 21 552-9820 Fax +27 21 552-9830 Telex 576 062 bgriffiths@sew.co.za
	Durban	SEW-EURODRIVE (PROPRIETARY) LIMITED 48 Prospecton Road Isipingo Durban P.O. Box 10433, Ashwood 3605	Tel. +27 31 902 3815 Fax +27 31 902 3826 cdejager@sew.co.za
	Nelspruit	SEW-EURODRIVE (PTY) LTD. 7 Christie Crescent Vintonia P.O.Box 1942 Nelspruit 1200	Tel. +27 13 752-8007 Fax +27 13 752-8008 robermeyer@sew.co.za
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Südkorea			
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Türkei			
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	Bursa	SEW-EURODRIVE Üçevler Mah. Bayraktepe Sok. Akay İş Merkezi Kat:3 No: 7/6 Nilüfer / Bursa	Tel. +90 224 443 45 60 Fax +90 224 443 45 58
	Istanbul	SEW-EURODRIVE Tekstilkent Ticaret Merkezi B-13 Blok No:70 Esenler / İstanbul	Tel. +90-262-9991000-04 Fax +90-262-9991009



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Vertrieb	Kiew	ООО «СЕВ-Евродрайв» ул.С.Олейника, 21 02068 Киев	Тел. +380 44 503 95 77 Факс. +380 44 503 95 78 kso@sew-eurodrive.ua
	Donetsk	ООО «СЕВ-Евродрайв» ул.25-летия РККА, 1-В, оф. 805 83000 Донецк	Тел. +380 62 38 80 545 Факс. +380 62 38 80 533 dso@sew-eurodrive.ua
	Iwano-Franki- wsk	ООО «СЕВ-Евродрайв» ул.Независимости, 4, оф.303 83000 Ивано-Франковск	Тел. +380 342 725 190 Факс. +380 342 725 191 ifso@sew-eurodrive.ua

Ungarn			
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Uruguay			
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USA			
Fertigungswerk Montagewerk Vertrieb Service	Southeast Region	SEW-EURODRIVE INC. 1295 Old Spartanburg Highway P.O. Box 518 Lyman, S.C. 29365	Tel. +1 864 439-7537 Fax Sales +1 864 439-7830 Fax Manufacturing +1 864 439-9948 Fax Assembly +1 864 439-0566 Fax Confidential/HR +1 864 949-5557 http://www.seweurodrive.com cslyman@seweurodrive.com
Montagewerke Vertrieb Service	Northeast Region	SEW-EURODRIVE INC. Pureland Ind. Complex 2107 High Hill Road, P.O. Box 481 Bridgeport, New Jersey 08014	Tel. +1 856 467-2277 Fax +1 856 845-3179 csbridgeport@seweurodrive.com
	Midwest Region	SEW-EURODRIVE INC. 2001 West Main Street Troy, Ohio 45373	Tel. +1 937 335-0036 Fax +1 937 332-0038 cstroy@seweurodrive.com
	Southwest Region	SEW-EURODRIVE INC. 3950 Platinum Way Dallas, Texas 75237	Tel. +1 214 330-4824 Fax +1 214 330-4724 csdallas@seweurodrive.com
	Western Region	SEW-EURODRIVE INC. 30599 San Antonio St. Hayward, CA 94544	Tel. +1 510 487-3560 Fax +1 510 487-6433 cshayward@seweurodrive.com
	Weitere Anschriften über Service-Stationen in den USA auf Anfrage.		



Venezuela			
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Vereinigte Arabische Emirate			
Vertrieb Service	Schardscha	Copam Middle East (FZC) Sharjah Airport International Free Zone P.O. Box 120709 Sharjah	Tel. +971 6 5578-488 Fax +971 6 5578-499 copam_me@eim.ae
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		Hafen und Offshore: DUC VIET INT LTD Industrial Trading and Engineering Services A75/6B/12 Bach Dang Street, Ward 02, Tan Binh District, 70000 Ho Chi Minh City	Tel. +84 8 62969 609 Fax +84 8 62938 842 totien@ducvietint.com
	Hanoi	Nam Trung Co., Ltd R.205B Tung Duc Building 22 Lang ha Street Dong Da District, Hanoi City	Tel. +84 4 37730342 Fax +84 4 37762445 namtrunghn@hn.vnn.vn
Weißrussland			
Vertrieb	Minsk	SEW-EURODRIVE BY RybalkoStr. 26 BY-220033 Minsk	Tel. +375 17 298 47 56 / 298 47 58 Fax +375 17 298 47 54 http://www.sew.by sales@sew.by

Verkaufs- und Lieferbedingungen der SEW-EURODRIVE GmbH & Co KG (SEW)

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- (2) Die Lieferzeit verlängert sich weiter angemessen bei von SEW nicht zu vertretendem Eintritt unvorhergesehener Hindernisse, gleichviel, ob bei SEW oder bei ihren Zulieferanten eingetreten, z. B. Fälle höherer Gewalt, Arbeitskämpfe, Einfuhr- und Ausführbeschränkungen, behördliche Genehmigungsverfahren und andere unverschuldete Verzögerungen in der Fertigstellung von Lieferanteilen, Betriebsstörungen, Ausschuss werden, Verzögerungen in der Anlieferung wesentlicher Teile und Rohstoffe, soweit solche Hindernisse nachweislich auf die Fertigstellung oder Ablieferung der bestellten Ware von maßgeblichem Einfluss sind. Derartige Hindernisse sind von SEW auch dann nicht zu vertreten, wenn sie während eines bereits vorliegenden Verzugs entstehen. SEW wird dem Besteller den Beginn und das Ende derartiger Umstände unverzüglich anzeigen.
- (3) Vom Vertrag kann der Besteller im Rahmen der gesetzlichen Bestimmungen wegen Lieferverzögerungen nur zurücktreten, soweit diese durch SEW zu vertreten ist.
- (4) Kommt SEW in Verzug und erwächst dem Besteller hieraus ein Verzögerungsschaden, so ist er berechtigt, eine pauschale Verzugsentschädigung zu verlangen. Sie beträgt für jede vollendete Woche der Verspätung 0,5 %, insgesamt höchstens jedoch 5 % des Preises für den Teil der Lieferung und Leistung, der wegen der Verspätung nicht in zweckdienlichen Betrieb genommen werden konnte. Weitere Ansprüche wegen Lieferverzug bestimmen sich ausschließlich nach § 7 dieser Bedingungen.
- (5) Kommt der Besteller in Annahmeverzug oder verletzt er schuldhaft eine sonstige Mitwirkungspflicht, so ist SEW berechtigt, den insoweit entstehenden Schaden, einschließlich etwaiger Mehraufwendungen, ersetzt zu verlangen. Weitergehende Ansprüche bleiben vorbehalten.

§ 4 Gefahrübergang, Abnahme

- (1) Mit der Übergabe an den Spediteur oder Frachtführer, spätestens jedoch mit dem Verlassen des Werks oder des Lagers geht die Gefahr auf den Besteller über. Dies gilt auch dann, wenn frachtfreie Lieferung, Lieferung frei Werk, o. Ä. vereinbart ist. Soweit eine Abnahme zu erfolgen hat, ist diese für den Gefahrübergang maßgebend. Sie muss unverzüglich zum Abnahmetermin, hilfsweise nach der Meldung von SEW über die Abnahmebereitschaft durchgeführt werden. Der Besteller darf die Abnahme bei Vorliegen eines nicht wesentlichen Mangels nicht verweigern.
- (2) Verzögert sich oder unterbleibt der Versand bzw. die Abnahme infolge Umständen, die SEW nicht zu vertreten hat, so geht die Gefahr vom Tage der Versand- bzw. Abnahmebereitschaft auf den Besteller über.

§ 5 Eigentumsvorbehalt

- (1) SEW behält sich das Eigentum an den gelieferten Waren bis zum Eingang aller SEW aus der Geschäftsverbindung mit dem Besteller zustehenden Zahlungen vor.
- (2) Gerät der Besteller mit der Zahlung in Verzug, ist SEW nach Mahnung berechtigt, die Ware bestandsmäßig aufzunehmen. SEW darf die Ware auch wieder in Besitz nehmen, ohne vorher vom Vertrag zurückzutreten. Der Besteller gestattet SEW schon jetzt, bei Vorliegen dieser Voraussetzungen seine Geschäftsräume unverzüglich während der üblichen Geschäftszeiten zu betreten und die Ware wieder in Besitz zu nehmen. Dasselbe gilt bei Abgabe der eidesstattlichen Offenbarungsversicherung durch den Besteller, bei Ergehen einer Haftanordnung zur Abgabe einer eidesstattlichen Offenbarungsversicherung des Bestellers oder bei einem Antrag des Bestellers auf Eröffnung des Insolvenzverfahrens über sein Vermögen.
- (3) Bei vertragswidrigem Verhalten des Bestellers, insbesondere bei Zahlungsverzug, ist SEW zum Rücktritt berechtigt. Bei Rücknahme von Ware infolge Rücktritt ist SEW grundsätzlich nur verpflichtet, eine Gutschrift in Höhe des Rechnungswerts unter Abzug der nach billigem Ermessen ermittelten Wertminderung sowie der Rücknahme- und Demontagekosten, mindestens jedoch über

30 % des Rechnungswerts, zu erteilen. SEW gewährt eine höhere Guthschrift, wenn der Besteller eine höhere Werthaltigkeit der wieder in Besitz genommenen Ware nachweist.

- (4) Der Besteller ist verpflichtet, die Ware pfleglich zu behandeln; insbesondere ist er verpflichtet, diese auf eigene Kosten gegen Feuer-, Wasser- und Diebstahlschäden ausreichend zum Neuwert zu versichern.
- (5) Bei Pfändungen, Beschlagnahmen oder sonstigen Verfügungen oder Eingriffen Dritter hat der Besteller SEW unverzüglich zu benachrichtigen.
- (6) Der Besteller ist berechtigt, die gelieferte Ware im ordnungsgemäßen Geschäftsgang weiter zu veräußern. Die Verpfändung, Sicherungsübertragung oder sonstige Verfügung ist ihm untersagt. Veräußert der Besteller die von SEW gelieferte Ware, gleich in welchem Zustand, so tritt er hiermit bis zur Tilgung aller SEW aus den gegenseitigen Geschäftsbeziehungen entstandenen Forderungen bis zur Höhe des Warenwerts gegen seine Abnehmer mit allen Nebenrechten an SEW ab. Zur Einziehung dieser Forderungen ist der Besteller ermächtigt.
- (7) Die Ermächtigung zur Weiterveräußerung und zum Forderungseinzug kann widerrufen werden, wenn sich der Besteller in Zahlungsverzug befindet oder eine sonstige erhebliche Verschlechterung seiner Vermögensverhältnisse oder seiner Kreditwürdigkeit eintritt. Auf Verlangen ist der Besteller dann verpflichtet, die Abtretung seinen Abnehmern bekannt zu geben, sofern SEW die Abnehmer des Bestellers nicht selbst unterrichtet, und SEW die zur Geltendmachung ihrer Rechte gegen die Abnehmer erforderlichen Auskünfte zu geben und Unterlagen auszuhändigen.
- (8) Eine etwaige Verarbeitung oder Umbildung der gelieferten Ware durch den Besteller wird stets für SEW vorgenommen. Wird die Ware mit anderen, SEW nicht gehörenden Gegenständen gem. § 950 BGB verarbeitet, so erwirbt SEW Miteigentum an der neuen Sache im Verhältnis des Werts der Ware zu den anderen verarbeiteten Gegenständen zur Zeit der Verarbeitung. Für die durch Verarbeitung entstehende Sache gilt im Übrigen das gleiche wie für die unter Vorbehalt gelieferte Ware.
- (9) SEW verpflichtet sich, auf Verlangen des Bestellers die SEW zustehenden Sicherheiten insoweit freizugeben, als deren realisierbarer Wert die zu sichernden Forderungen um mehr als 10 % übersteigt. Die Auswahl der freizugebenden Sicherheiten obliegt SEW.

§ 6 Mängelansprüche

- (1) Der Besteller hat SEW einen festgestellten Mangel unverzüglich schriftlich anzuzeigen.
- (2) Bei Vorliegen von Mängeln besitzt der Besteller einen Anspruch auf Nacherfüllung, die SEW nach ihrer Wahl durch Mangelbeseitigung oder durch Lieferung einer mangelfreien Ware oder Leistung erbringt. Zur Vornahme der Nacherfüllung hat der Besteller die erforderliche Zeit und Gelegenheit zu gewähren. Nur in dringenden Fällen der Gefährdung der Betriebssicherheit bzw. zur Abwehr unverhältnismäßig großer Schäden, wobei SEW sofort zu benachrichtigen ist, hat der Besteller das Recht, den Mangel selbst oder durch Dritte beseitigen zu lassen und von SEW Ersatz der erforderlichen Aufwendungen zu verlangen. Beanstandete Waren oder Teile sind erst auf unsere Anforderung und, soweit erforderlich, in guter Verpackung und unter Beifügung eines Packzettels mit Angabe der Auftragsnummer zurückzusenden.
- (3) Im Fall der Mangelbeseitigung ist SEW verpflichtet, alle zum Zweck der Mangelbeseitigung erforderlichen Aufwendungen, insbesondere Transport-, Wege-, Arbeits- und Materialkosten zu tragen, soweit sich diese nicht dadurch erhöhen, dass die Ware nach einem anderen Ort als dem Erfüllungsort verbracht wurde, es sei denn, die Verbringung entspricht dem bestimmungsgemäßen Gebrauch.
- (4) Bei Fehlschlägen der Nacherfüllung (§ 440 BGB) steht dem Besteller das Recht zu, den Kaufpreis zu mindern oder vom Vertrag zurückzutreten.
- (5) Schäden, die aus nachfolgenden Gründen entstehen und mangels einer Pflichtverletzung nicht von uns zu vertreten sind, begründen keine Mängelhaftungsansprüche:
Ungeeignete oder unsachgemäße Verwendung nach Gefahrübergang, insbesondere übermäßige Beanspruchung, fehlerhafte Montage bzw. Inbetriebsetzung durch den Besteller oder Dritte trotz Vorliegens einer ordnungsgemäßen Montageanleitung, natürliche Abnutzung (Verschleiß), fehlerhafte oder nachlässige Behandlung, ungeeignete Betriebsmittel, Austauschwerkstoffe, mangelhafte Bauarbeiten, Nichtbeachten der Betriebshinweise,

ungeeignete Einsatzbedingungen, insbesondere bei ungünstigen chemischen, physikalischen, elektromagnetischen, elektrochemischen oder elektrischen Einflüssen, Witterungs- oder Natureinflüssen oder zu hohe oder zu niedrige Umgebungstemperaturen.

- (6) Die Verjährungsfrist für Mängelansprüche beträgt 2 Jahre ab dem gesetzlichen Verjährungsbeginn.
- (7) Weitere Ansprüche bestimmen sich ausschließlich nach § 7 dieser Bedingungen.

§ 7 Haftung für Schadens- und Aufwendungsersatzansprüche

- (1) Bei vorsätzlichen oder grob fahrlässigen Pflichtverletzungen sowie in jedem Falle der schuldhaften Verletzung des Lebens, des Körpers oder der Gesundheit haftet SEW für alle darauf zurückzuführenden Schäden uneingeschränkt, soweit gesetzlich nichts anderes bestimmt ist.
- (2) Bei grober Fahrlässigkeit nicht leitender Angestellter ist die Haftung von SEW für Sach- und Vermögensschäden auf den vertragstypischen, vorhersehbaren Schaden begrenzt.
- (3) Bei leichter Fahrlässigkeit haftet SEW für Sach- und Vermögensschäden nur bei Verletzung wesentlicher Vertragspflichten. Auch dabei ist die Haftung von SEW auf den vertragstypischen vorhersehbaren Schaden begrenzt.
- (4) Eine weitergehende Haftung auf Schadensersatz als in den vorstehenden Absätzen geregelt, ist ohne Rücksicht auf die Rechtsnatur des geltend gemachten Anspruchs ausgeschlossen. Dies gilt insbesondere für unerlaubte Handlungen gem. §§ 823, 831 BGB; eine etwaige uneingeschränkte Haftung nach den Vorschriften des deutschen Produkthaftungsgesetzes bleibt unberührt.
- (5) Für die Verjährung für alle Ansprüche, die nicht der Verjährung wegen eines Mangels der Ware unterliegen, gilt eine Ausschlussfrist von 18 Monaten. Sie beginnt ab Kenntnis des Schadens und der Person des Schädigers.

§ 8 Rücktrittsrecht

SEW kann vom Vertrag insgesamt oder in Teilen durch schriftliche Erklärung zurücktreten, falls der Besteller zahlungsunfähig wird, die Überschuldung des Bestellers eintritt, der Besteller seine Zahlungen einstellt oder über das Vermögen des Bestellers Insolvenz-antrag gestellt ist. Das Rücktrittsrecht ist von SEW bis zur Eröffnung des Insolvenzverfahrens über das Vermögen des Bestellers auszuüben. Der Besteller gestattet SEW schon jetzt, bei Vorliegen dieser Voraussetzungen seine Geschäftsräume während der üblichen Geschäftszeiten zu betreten und die Ware wieder in Besitz zu nehmen.

§ 9 Ausführbeschränkungen

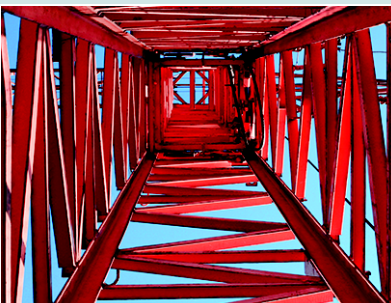
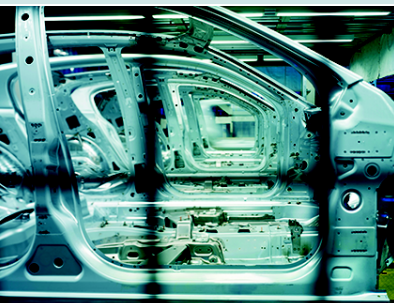
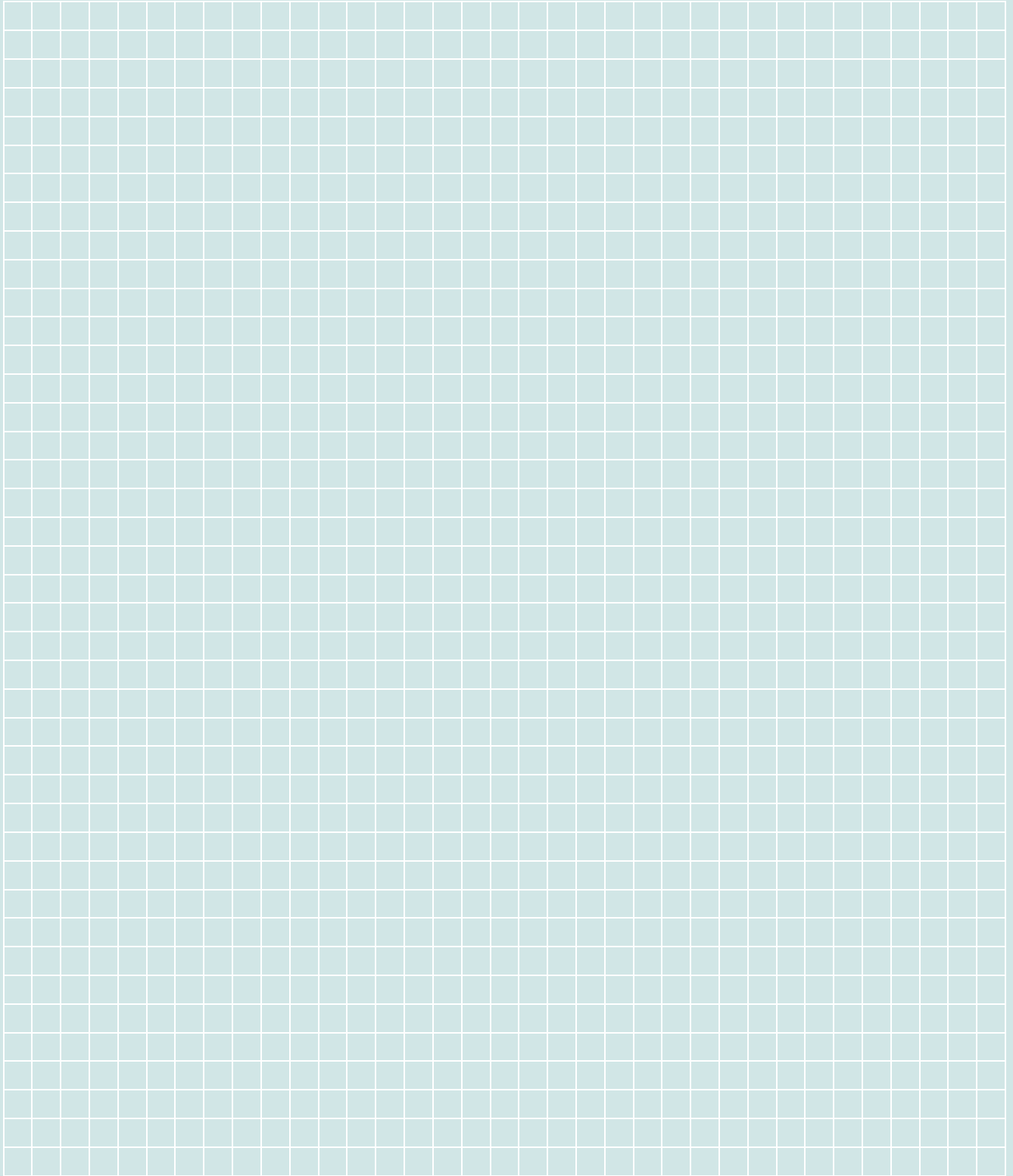
Die in der Auftragsbestätigung enthaltene Lieferung und/oder Leistung kann z. B. aufgrund ihrer Art oder des Verwendungszwecks oder des Endverbleibs den Vorschriften zur Exportkontrolle nach deutschem, europäischem oder US-amerikanischem Recht unterliegen. Jeder Auftrag gilt daher unter dem Vorbehalt, dass kein Liefer-/Leistungsverbot nach diesen Vorschriften besteht bzw. erforderliche behördliche Genehmigungen, Zulassungen oder Erlaubnisse, die SEW zur Vertragserfüllung benötigt, erteilt werden.

§ 10 Erfüllungsort, Gerichtsstand, anzuwendendes Recht

- (1) Sofern sich aus der Auftragsbestätigung nichts anderes ergibt, ist der Sitz von SEW in Bruchsal Erfüllungsort.
- (2) Gerichtsstand ist bei allen sich aus dem Vertragsverhältnis mittelbar oder unmittelbar ergebenden Streitigkeiten, wenn unser Vertragspartner Kaufmann ist, Bruchsal.
- (3) Es gilt ausschließlich deutsches Recht, auch bei Lieferungen und Leistungen ins Ausland. Die Gültigkeit des Rechts der Vereinten Nationen über den Internationalen Warenkauf (CISG) wird abbedungen.

Bruchsal, Februar 2011

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