

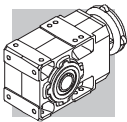
C-A-F-S Series

IE2-IE3

Helical gear units C
Helical bevel gear units A
Shaft mounted gear units F
Single stage gearboxes S



PRODUCTS &
SOLUTIONS



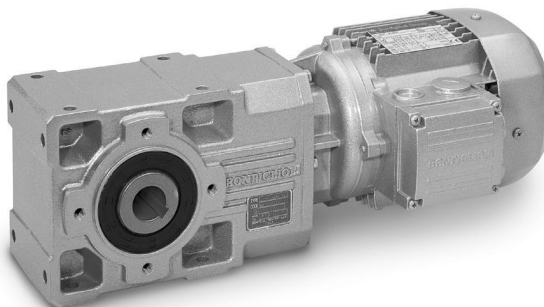
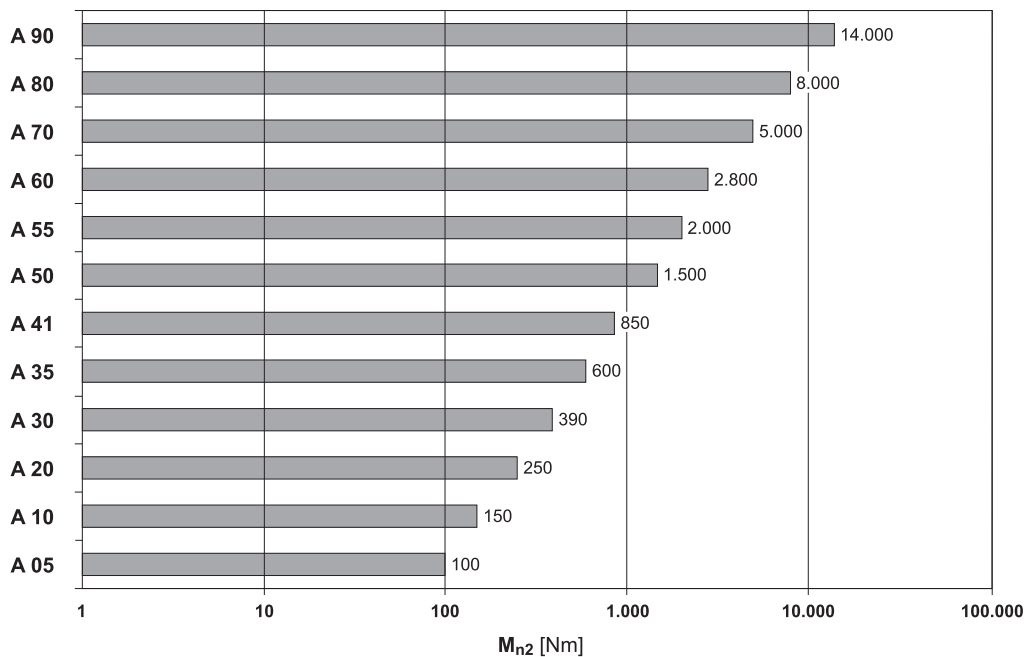
HELICAL BEVEL GEAR UNITS SERIES A

31 DESIGN FEATURES

The main design characteristics are:

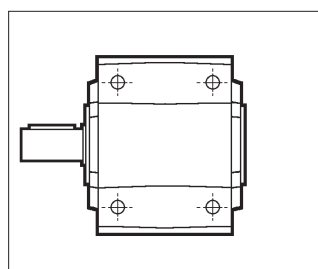
- modularity
- space effective
- universal mounting
- high efficiency
- quiet operation
- gears in hardened and case-hardened steel
- bare aluminium housing for sizes 05, 10, 20, 30, unpainted high strength painted cast-iron housings for larger frame sizes
- input and output shafts from high grade steel.

(C 26)





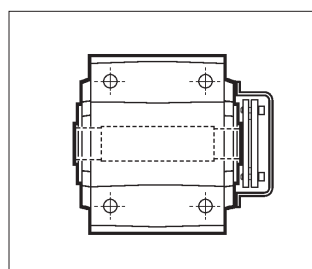
32 VERSIONS



UR

Single extension
output shaft

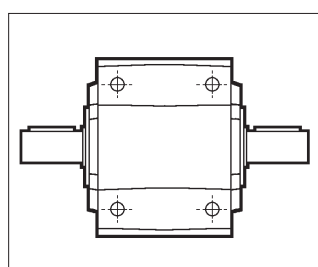
A 05 ... A 90



US

Hollow output shaft
and shrink disc

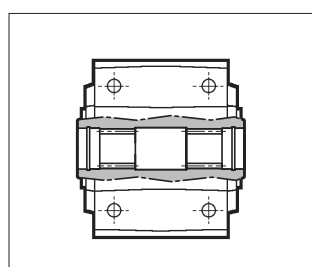
A 05 ... A 90



UD

Double extended
output shaft

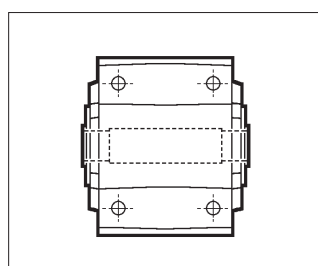
A 05 ... A 90



UV

Splined hollow shaft
DIN 5480

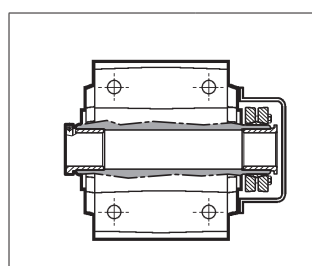
A 20 ... A 60



UH

Hollow output shaft
and keyway

A 05 ... A 90



QF (Quick-fit)

Hollow shaft with
adapter bushings
and shrink disc

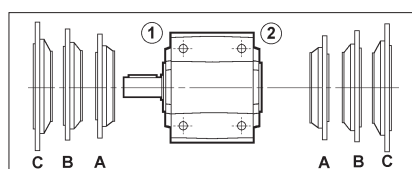
A 10 ... A 60

$M_{n2 \max}$ [Nm]	
A 35 QF35	550
A 55 QF55	1900

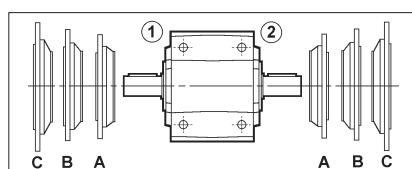
Basic versions with bolted flange

The sketches show the applicable flanges to the basic versions and their positions, designated with either ① or ②.

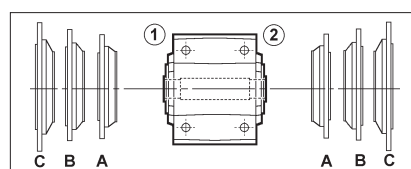
UR F1...



UR F2... UD F1...

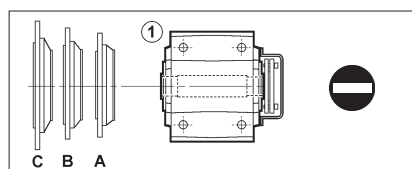


UD F2... UH... F1...

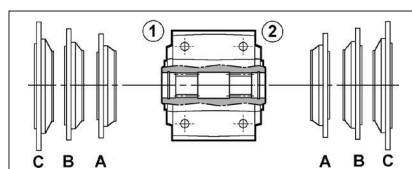


UH... F2...

US F1...

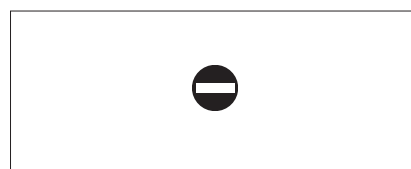


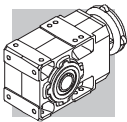
US F2... UV F1...



UV F2...

QF...





33 DESIGNATION

GEAR UNIT

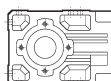
A 35 2 UH40 F1A 49.1 S1 VA

OPTIONS

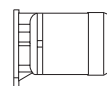
MOUNTING POSITION

B3 (Standard), **B6, B7, B8, VA, VB**

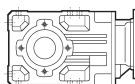
INPUT CONFIGURATION



S05 ... S5



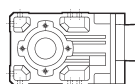
**M - ME -
MX - MXN**



IEC_ P63 ... P250



**BN - BE
BX - BXN**



SK_

SC_

S_



HS

GEAR RATIO

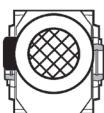
OUTPUT FLANGE SIZE AND POSITION
(specify only if requested)

F = Flanged version

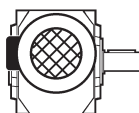
1, 2 = Flange position

A, B, C = Flange size

VERSION

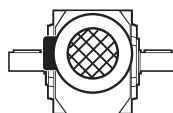


UH_



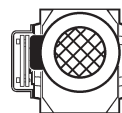
UR

(A 05...A 90)



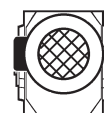
UD

(A 05...A 90)



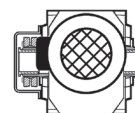
US

(A 05...A 90)



UV

(A 20...A 60)



QF

(A 10...A 60)

A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
UH25	UH25	UH30	UH35	UH40	UH45	UH50	UH60	UH60	UH70	UH80	UH90
—	UH30	UH35	UH40	UH35	UH40	UH55	UH50	UH70	UH80	UH90	UH100

REDUCTIONS

2 (A 05...A 60), **3** (A 20...A 90), **4** (A 50...A 90)

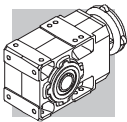
GEAR FRAME SIZE

05, 10, 20, 30, 35, 41, 50, 55, 60, 70, 80, 90

TYPE: **A** = Helical bevel gear units



MOTOR					BRAKE				
M	1LA 4	230/400-50	IP54	CLF	W	FD	7.5	R SB 220 SA
									OPTIONS
									BRAKE SUPPLY
									RECTIFIER TYPE AC/DC NB, SB, NBR, SBR
									BRAKE HAND RELEASE R, RM
									BRAKE TORQUE
									BRAKE TYPE FD (d.c. brake) FA (a.c. brake)
									TERMINAL BOX POSITION W (default), N, E, S
									MOTOR MOUNTING — (compact motor) B5 (IEC - motor)
									INSULATION CLASS CL F standard CL H option
									DEGREE OF PROTECTION IP55 standard (IP54 - brake motor)
									VOLTAGE - FREQUENCY For BXN/MXN see the "Voltage & frequency" section on EVOX catalogue
									POLE NUMBER 2, 4, 6, 2/4, 2/6, 2/8, 2/12, 4/6, 4/8
									MOTOR SIZE 0B ... 5LA (compact motor) 63A ... 250MA (IEC motor)
MOTOR TYPE									
MX - MXN = compact 3-phase, class IE3					ME = compact 3-phase, class IE2			M = compact 3-phase, class IE1	
BX - BXN = IEC 3-phase, class IE3					BE = IEC 3-phase, class IE2			BN = IEC 3-phase, class IE1	



33.1 Gearbox options



LUBRICATION

Gearboxes A05, A10, A20, A30, A35, and A41, are usually factory filled with oil in the standard version. Gearboxes A50, A55, A60, A70, A80 and A90, are usually supplied unlubricated in the standard version.

However, for all sizes of gearbox factory filled with oil, it is possible to request the supply with more types of oil, selectable according to what is defined in the following table.

The option is not available for gearboxes A50, A55, A60, A70, A80 and A90 in mounting positions B6 and B7.

The option is not available for gearbox A602 in mounting position VB.

Lubrication	Type	Designation	Producer
LU ^[1]	PolyAlfaOlefine (PAO)	OMALA S4 GX 150	
LY ^[1]	PolyAlfaOlefine (PAO)	OMALA S4 GX 220	
LV ^[1]	PolyAlfaOlefine (PAO)	OMALA S4 GX 320	
LW ^[1]	PolyAlfaOlefine (PAO)	OMALA S4 GX 460	
LH	PolyGlicole (PAG)	OMALA S4 WE 150	
LS	PolyGlicole (PAG)	OMALA S4 WE 220	
LO*	PolyGlicole (PAG)	OMALA S4 WE 320	
LK	PolyGlicole (PAG)	OMALA S4 WE 460	
LN ^{[1] [2]}	Mineral Base EP	OMALA S2 G 150	
LZ ^{[1] [2]}	Mineral Base EP	OMALA S2 G 220	
LI ^{[1] [2]}	Mineral Base EP	OMALA S2 G 320	
LJ ^{[1] [2]}	Mineral Base EP	OMALA S2 G 460	
LA	Food grade	KLUBERSYNTH UH1 6-150	
LB	Food grade	KLUBERSYNTH UH1 6-220	
LC	Food grade	KLUBERSYNTH UH1 6-320	
LD	Food grade	KLUBERSYNTH UH1 6-460	

* unless otherwise specified, the gearboxes A05, A10, A20, A30, A35 and A41 supplied with lubricant use OMALA S4 WE 320 oil..

[1] Use not permitted for gearboxes A 05.... A 60.

[2] The use of mineral oil is permitted on gearmotors with service factor $f_s \geq 1.30$.

SO

Gear units A05, A10, A20, A30, A35 and A41, usually factory filled with oil, are, in this case, supplied unlubricated.

DV

Dual oil seals on input shaft. (Only available for integral gearmotors).



VV

Fluoro elastomer oil seal on input shaft.

PV

All oil seals in Fluoro elastomer material.

TKL

Taconite seals are available, for output axis of gearboxes sizes (from) A70 to A90, to use in environments characterized by the presence of abrasive dust or powders. Taconite seals incorporate a combination of sealing rings, labyrinths and a grease chamber.

Greasing must be ensured as part of the scheduled maintenance programme.

This option includes fluoro elastomer oil seals on all axes.

For mounting position B6 please consult Bonfiglioli's Technical service.

AL, AR

On request the gear unit can be provided complete with a backstop device allowing the output shaft to rotate only in the direction specified at the time of ordering. The following table shows the gearboxes in which the anti-run back device can be installed. Anti-run back device exclude RB option.

(C 27)

A 30 2*	A 35 2* ● (5.4_11.8)	A 41 2 ● (5.2; 10.1)	A 50 3	A 55 3	A 60 3	A 70 3	A 80 3	A 90 3
			A 50 4	A 55 4	A 60 4	A 70 4	A 80 4	A 90 4

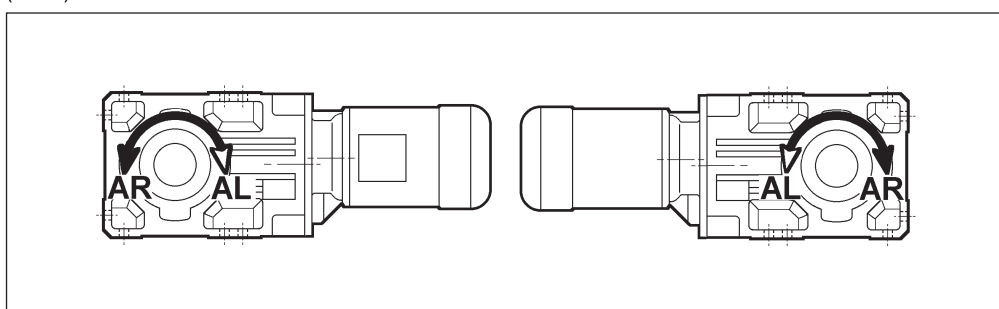
* The supply of the backstop will ban the configuration of servomotor adapters type S_60A, S_60B, S_80A.

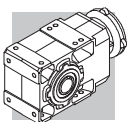
When ordering the gear unit, the direction of free rotation must be specified through either the AR or the AL option (Table C28).



N.B. When the anti-run back device operates very frequently make sure that the torque backdriving the gearbox does not exceed 70% of the rated torque M_{n2} for the captioned gear unit.

(C 28)





HDB

Certain gearboxes are available with increased overhung load ratings for use in applications characterised by high overhung loads beyond the capacity of the standard gearboxes. Specify the HDB option when ordering to obtain this increased overhung load capacity. The HDB option is available for gearbox sizes A10 to A50 with a single sided or through solid output shaft.

The following table specifies the maximum loads for HDB reinforced gearbox versions.

Figures refer to forces along the centreline of the output shaft.

(C 29)

HDB	R_{N2}					
	A 10	A 20	A 30	A 35	A 41	A 50
$n_1 = 2800$	5500 N	6200 N	9600 N	12000 N	15000 N	20000 N
			8970 N @ $i=5.4$	10200 N @ $i=5.4$ 10600 N @ $i=6.4$ 11000 N @ $i=7.0$	11500 N @ $i=5.2$ 12700 N @ $i=7.1$ 13300 N @ $i=8.3$ 13700 N @ $i=9.2$	19000 N @ $i=7.7$
$n_1 = 1400$	5500 N	6200 N	9600 N	12000 N	15000 N	20000 N
$n_1 = 900$	5500 N	6200 N	9600 N	12000 N	15000 N	20000 N
$n_1 = 500$	5500 N	6200 N	9600 N	12000 N	15000 N	20000 N

Reinforced bearings also allow these versions to withstand increased thrust loads, and in particular.

$$A_{N2} = 0.35 \times R_{N2}$$

(24)

In applications free from overhung load, thrust load capacity increases to:

$$A_{N2} = 0.70 \times R_{N2}$$

(25)

If load is applied simultaneously to both ends of a through output shaft, contact the Bonfiglioli Technical Service to verify the application.

RB

Gear units A10, A20, A30, A35, A41, A50, A55 and A60, usually supplied with standard values of angular backlash, are, in this case, supplied with reduced angular backlash values (excludes gear units options AL and AR described in this paragraph).

The following table specifies the corresponding figures of angular backlash.



(C 30)

		standard		RB	
A05	i =	5.5_12.3 - \ominus (10.6)	10.6_91.6 - \ominus (12.3)	—	
	φ [°]	28	18		
A10	i =	5.5_12.3 - \ominus (10.6)	10.6_91.6 - \ominus (12.3)	5.5_12.3 - \ominus (10.6)	10.6_91.6 - \ominus (12.3)
	φ [°]	27	17	12	8
A20	i =	5.4_12 - \ominus (10.3)	10.3_380.9 - \ominus (12)	5.4_12 - \ominus (10.3)	10.3_380.9 - \ominus (12)
	φ [°]	23	15	11	7
A30	i =	5.4_11.8 - \ominus (10.5)	10.5_400.8 - \ominus (11.8)	5.4_11.8 - \ominus (10.5)	10.5_400.8 - \ominus (11.8)
	φ [°]	22	15	10	7
A35	i =	5.4_11.8	13.1_393.2	5.4_11.8	13.1_393.2
	φ [°]	20	11	9	6
A41	i =	5.2_11.7 - \ominus (10.1)	10.1_376.8 - \ominus (11.7)	5.2_11.7 - \ominus (10.1)	10.1_376.8 - \ominus (11.7)
	φ [°]	19	13	9	6
A50	i =	7.7_778.2		7.7_778.2	
	φ [°]	16		7	
A55	i =	4.9_19.2	23.8_793	4.9_19.2	23.8_793
	φ [°]	17	11	8	6
A60	i =	7.9_20.6	25.7_755.4	7.9_20.6	25.7_755.4
	φ [°]	12	9	5	4
A70	i =	9.4_21.3	23.5_1715	—	
	φ [°]	14	12		
A80	i =	9.8_20.9	22.6_1558	—	
	φ [°]	13	11		
A90	i =	9.7_21	22.3_1632	—	
	φ [°]	12	10		

For the delivery timeframe contact the Bonfiglioli's sales network

BP

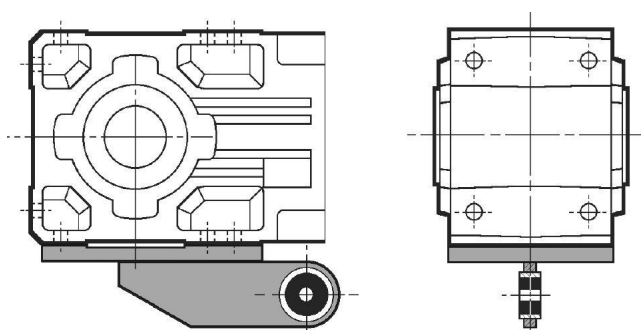
Gearboxes, usually supplied with open breather plug, are supplied with a valve breather plug. The calibration of the valve can vary from 0,10 to 0,15 bar depending on the plug type. The valve opens at intervals and allows venting of internal pressure keeping out foreign bodies.

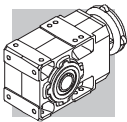
For option availability see chapter "Mounting positions and service plugs" of the Installation, Operation and Maintenance Manual (available at: www.bonfiglioli.com).

If needed contact Bonfiglioli Technical Service.

TA

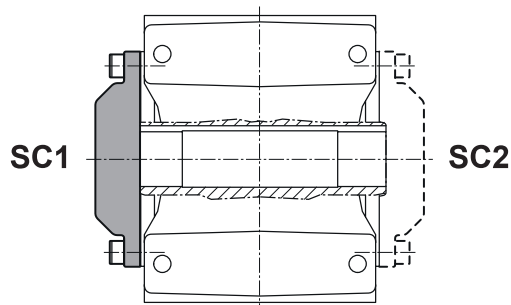
Gearboxes A05...A60 are supplied with the torque arm assembled as shown.





PROTECTION CAP

Gearboxes are supplied with a protection cap for the output axis (metallic material).
It is possible to request the torque arm mounted at several position as shown (SC1, SC2).



The applicability of the option PROTECTION CAP is described in the following table.

	PROTECTION CAP	
	SC1	SC2
A0.5...A90 UH...	X	X
A0.5...A90 UH...F1...	⊖	X
A0.5...A90 UH...F2...	X	⊖
A20...A60 UV...	X	X
A20...A60 UV...F1...	⊖	X
A20...A60 UV...F2...	X	⊖

SURFACE PROTECTION

When no specific protection class is requested, the painted (ferrous) surfaces of gearboxes are protected to at least corrosivity class C2 (UNI EN ISO 12944-2). For improved resistance to atmospheric corrosion, gearboxes can be delivered with **C3** and **C4** surface protection, obtained by painting the complete gearbox.

(C 31)	SURFACE PROTECTION	Typical environments	Maximum surface temperature	Corrosivity class according to UNI EN ISO 12944-2
	C3	Urban and industrial environments with up to 100% relative humidity (medium air pollution)	120°C	C3
	C4	Industrial areas, coastal areas, chemical plant, with up to 100% relative humidity (high air pollution)	120°C	C4

Gearboxes with optional protection to class **C3** or **C4** are available in a choice of colours.
If no specific colour is requested (see the "PAINTING" option) gearboxes are finished in RAL 7042.
Gearboxes can also be supplied with surface protection for corrosivity class **C5** according to UNI EN ISO 12944-2. Contact our Technical Service for further details.



PAINTING

Gearboxes with optional protection to class C3 or C4 are available in the colours listed in the following table.

(C 32)

PAINTING	Colour	RAL number
RAL7042*	Traffik Grey A	7042
RAL5010	Gentian Blue	5010
RAL9005	Jet Black	9005
RAL9006	White Aluminium	9006
RAL9010	Pure White	9010
RAL7035	Light Grey	7035
RAL7001	Silver Grey	7001
RAL5015	Sky Blue	5015
RAL7037	Dusty Grey	7037
RAL5024	Pastel Blue	5024

* Gearboxes are supplied in this standard colour if no other colour is specified.

NOTE – “PAINTING” options can only be specified in conjunction with “SURFACE PROTECTION” options.

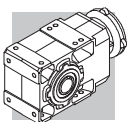
CERTIFICATES

AC - Certificate of compliance

The document certifies the compliance of the product with the purchase order and the construction in conformity with the applicable procedures of the Bonfiglioli Quality System.

CC - Inspection certificate

The document entails checking on order compliance, the visual inspection of external conditions and of mating dimensions. Checking on main functional parameters in unloaded conditions is also performed along with oil seal proofing, both in static and in running conditions. Units inspected are sampled within the shipping batch and marked individually.



33.3 Motor options

AL, AR

The backstop option is also available for M, ME or MX motors and is not compatible with the presence of the same option of the gearbox. The following table shows the direction of free rotation of the gearbox, on the basis of which the correct option must be selected.

(C 34)

2x	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 60
3x	A 60	A 70	A 80	A 90				
4x	A 50	A 55						

2x	A 55					
3x	A 20	A 30	A 35	A 41	A 50	A 55
4x	A 60	A 70	A 80	A 90		

For further information on options, consult the electric motors section.

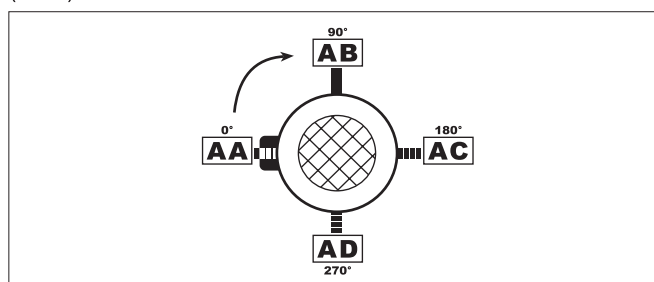
34 MOUNTING POSITION AND TERMINAL BOX ANGULAR LOCATION

Location of motor terminal box can be specified by viewing the motor from the fan side; standard location is shown in black (W).

Angular location of the brake release lever.

Unless otherwise specified, brake motors have the manual device side located, 90° apart from terminal box. Different angles can be specified through the relevant options available.

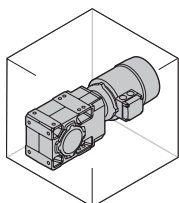
(C 33)



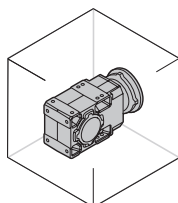


A ...

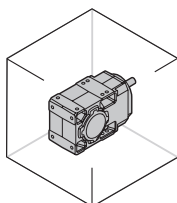
B3



_S

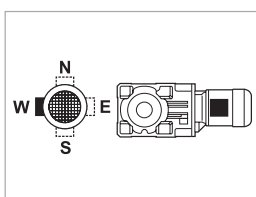


_P(IEC)

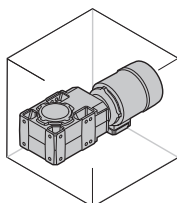


_SK / _SC

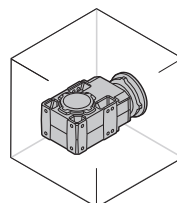
_HS



B6



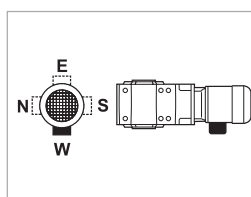
_S



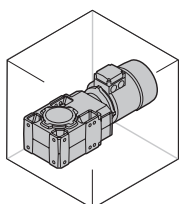
_P(IEC)

_SK / _SC

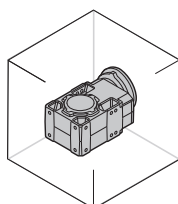
_HS



B7



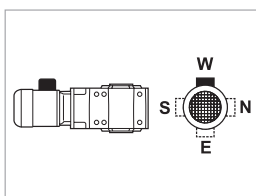
_S



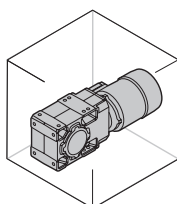
_P(IEC)

_SK / _SC

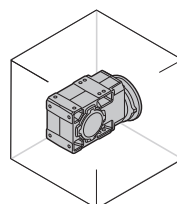
_HS



B8



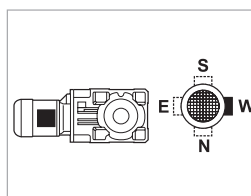
_S



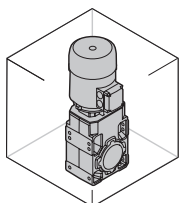
_P(IEC)

_SK / _SC

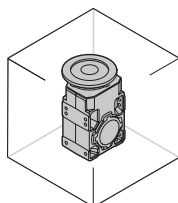
_HS



VA



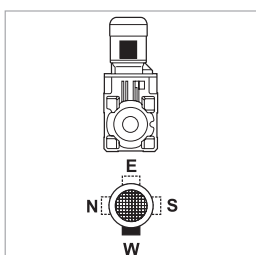
_S



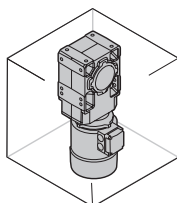
_P(IEC)

_SK / _SC

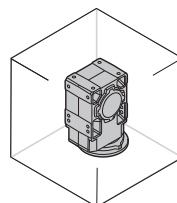
_HS



VB



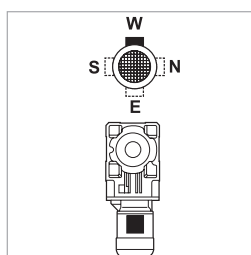
_S



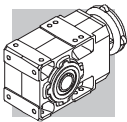
_P(IEC)

_SK / _SC

_HS



W = Default



35 OVERHUNG LOADS

External transmissions keyed onto input and/or output shaft generate loads that act radially onto same shaft.

Resulting shaft loading must be compatible with both the bearing and the shaft capacity. Namely shaft loading (R_{c1} for input shaft, R_{c2} for output shaft), must be equal or lower than admissible overhung load capacity for shaft under study (R_{n1} for input shaft, R_{n2} for output shaft). OHL capability listed in the rating chart section.

In the formulas given below, index (1) applies to parameters relating to input shaft, whereas index (2) refers to output shaft.

The load generated by an external transmission can be calculated with close approximation by the following equations:

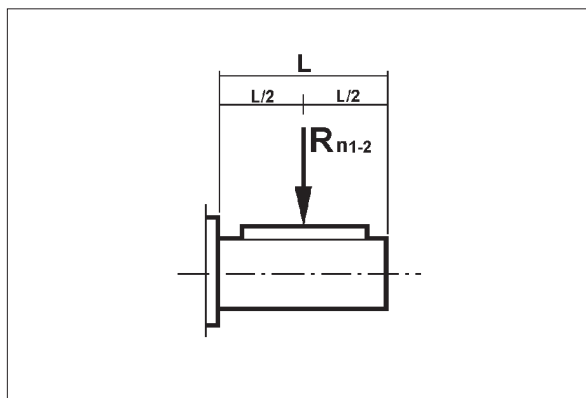
$$R_{c1} [N] = \frac{2000 \cdot M_1 [Nm] \cdot K_r}{d [mm]} ; R_{c2} [N] = \frac{2000 \cdot M_2 [Nm] \cdot K_r}{d [mm]} \quad (26)$$

(C 35)

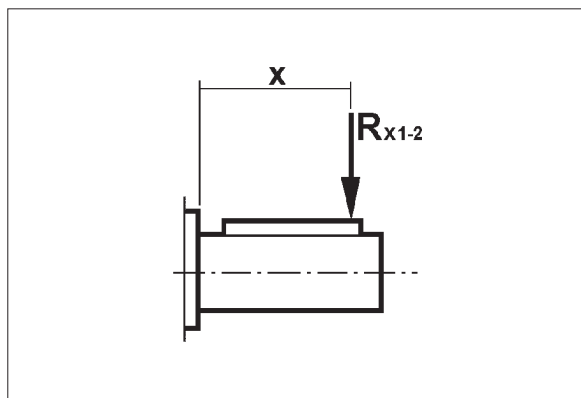
M₁ [Nm]	Torque applied to input shaft	K_r = 1,25	Gear transmission
M₂ [Nm]	Torque drawn at output shaft	K_r = 1,5	V-belt transmission
d [mm]	Pitch diameter of element keyed onto shaft	K_r = 2,0	Flat belt transmission
K_r = 1	Chain transmission		

Verification of OHL capability varies depending on whether load applies at midpoint of shaft or it is shifted further out:

(C 36)



(C 37)





a) Load applied at midpoint of shaft, tab. (C36)

A comparison of shaft loading with catalogue OHL ratings should verify the following condition:

$$R_{c1} \leq R_{n1} \quad [\text{input shaft}]$$

or

$$R_{c2} \leq R_{n2} \quad [\text{output shaft}]$$

b) Load off the midpoint tab. (C37)

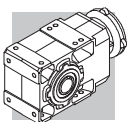
When load is shifted at an “x” distance from shaft shoulder, permissible load must be calculated for that distance.

Revised permissible overhung loads R_{x1} (input) and R_{x2} (output) are calculated respectively from original rated values R_{n1} and R_{n2} through factor:

$$\frac{a}{b+x} \quad (27)$$

(C 38)

	Load location factors					
	Output shaft			Input shaft		
	a	b	c	a	b	c
A 05 2	116	86	450	—	—	—
A 10 2	123	101	600	21	1	300
A 20 2	150	120	750	40	20	350
A 20 3	150	120	750	21	1	300
A 30 2	168	138	900	38.5	18.5	350
A 30 3	168	138	900	21	1	300
A 35 2	182.5	147.5	950	38.5	18.5	350
A 35 3	182.5	147.5	950	21	1	300
A 41 2	198	158	1050	49.5	24.5	450
A 41 3	198	158	1050	40	20	350
A 50 2 - A 50 3	242.5	201.5	1300	49.5	24.5	450
A 50 4	242.5	201.5	1300	38.5	18.5	350
A 55 2 - A 55 3	231.5	179	1300	49.5	24.5	450
A 55 4	231.5	179	1300	38.5	18.5	350
A 60 2 - A 60 3	242.5	190	1550	55.5	25.5	600
A 60 4	242.5	190	1550	49.5	24.5	450
A 70 3	295.5	230.5	1900	86	31	1000
A 70 4	295.5	230.5	1900	49.5	24.5	450
A 80 3	345	280	2400	86	31	1000
A 80 4	345	280	2400	49.5	24.5	450
A 90 3	432	327	3000	116	46	1400
A 90 4	432	327	3000	49.5	24.5	450



Verification procedure is described here after.

INPUT SHAFT

1. Calculate:

$$R_{x1} = R_{n1} \cdot \frac{a}{b+x} \quad (28)$$

N.B. Subject to condition:

$$\frac{L}{2} \leq x \leq c \quad (29)$$

Finally, the following condition must be verified:

$$R_{c1} \leq R_{x1} \quad (30)$$

OUTPUT SHAFT

1. Calculate:

$$R_{x2} = R_{n2} \cdot \frac{a}{b+x} \quad (31)$$

N.B. Subject to condition:

$$\frac{L}{2} \leq x \leq c \quad (32)$$

Finally, the following condition must be verified:

$$R_{c2} \leq R_{x2} \quad (33)$$



36 THRUST LOADS, A_{n1} , A_{n2}

Permissible thrust loads on input [A_{n1}] and output [A_{n2}] shafts are obtained from the radial loading for the shaft under consideration [R_{n1}] and [R_{n2}] through the following equation:

$$\begin{aligned} A_{n1} &= R_{n1} \cdot 0.2 \\ A_{n2} &= R_{n2} \cdot 0.2 \end{aligned} \quad (34)$$

The thrust loads calculated through these formulas apply to thrust forces occurring at the same time as rated radial loads.

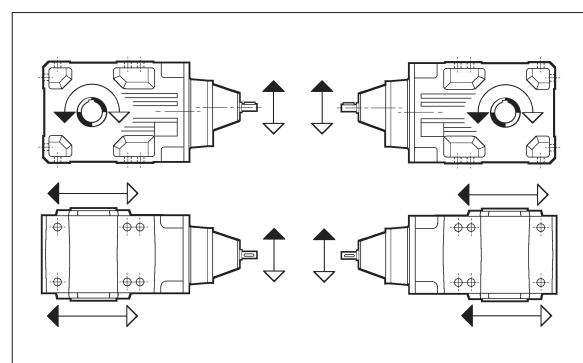
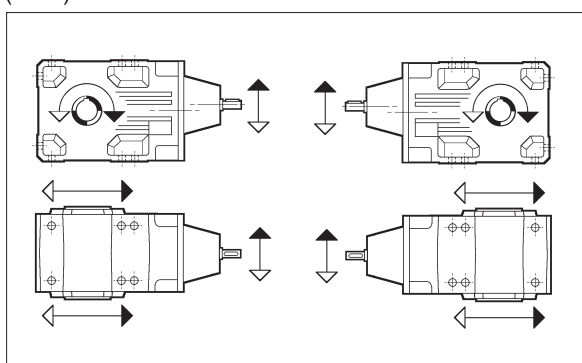
In the only case that no overhung load acts on the shaft the value of the admissible thrust load [A_n] amounts to 50% of rated OHL [R_n] on same shaft.

Where thrust loads exceed permissible value or largely prevail over radial loads, contact Bonfiglioli Riduttori for an in-depth analysis of the application.

37 SHAFTS ARRANGEMENT

The following table shows standard directions of rotation for 2, 3 and 4 stage helical-bevel gearboxes.

(C 39)



2x	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 60
3x	A 60	A 70	A 80	A 90				
4x	A 50	A 55						

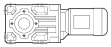



2x	A 55						
3x	A 20	A 30	A 35	A 41	A 50	A 55	
4x	A 60	A 70	A 80	A 90			



38 GEARMOTOR RATING CHARTS








The selection of motors takes into account the requirements of Regulation 2009/125/CE (see section M of this catalogue). When the motor rated power is below 0,12kW, **BN/M** motors can be provided. Starting from 1st July 2021 the regulation 2009/125/CE will apply also to motors equipped with brake, and 8 poles motors.

0.09 kW								
n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1		 IEC IE1	
0.51	1492	3.4	1715	50000			A704_1715 P63 BN63A6	335
1.1	677	2.2	778.2	20000			A504_778.2 P63 BN63A6	323
1.2	616	2.4	707.9	20000			A504_707.9 P63 BN63A6	323
1.4	549	2.7	631.2	20000			A504_631.2 P63 BN63A6	323
1.5	499	3.0	574.2	20000			A504_574.2 P63 BN63A6	323
1.7	461	3.3	529.5	20000			A504_529.5 P63 BN63A6	323
2.2	356	1.0	400.8	9600	A303_400.8 S05 M05A6	310	A303_400.8 P63 BN63A6	311
2.6	302	1.7	339.3	12000	A353_339.3 S05 M05A6	314	A353_339.3 P63 BN63A6	315
3.0	259	3.3	291.7	15000	A413_291.7 S05 M05A6	318	A413_291.7 P63 BN63A6	319
3.5	221	2.7	248.1	12000	A353_248.1 S05 M05A6	314	A353_248.1 P63 BN63A6	315
4.1	193	2.1	216.6	9600	A303_216.6 S05 M05A6	310	A303_216.6 P63 BN63A6	311
4.9	159	1.6	178.3	6200	A203_178.3 S05 M05A6	306	A203_178.3 P63 BN63A6	307
5.8	134	2.8	150.7	9600	A303_150.7 S05 M05A6	310	A303_150.7 P63 BN63A6	311
6.8	115	2.2	129.1	6200	A203_129.1 S05 M05A6	306	A203_129.1 P63 BN63A6	307
8.1	97	2.5	109.2	6200	A203_109.2 S05 M05A6	306	A203_109.2 P63 BN63A6	307
9.6	84	1.5	91.6	5500	A102_91.6 S05 M05A6	302	A102_91.6 P63 BN63A6	303
11.5	70	2.1	76.4	5500	A102_76.4 S05 M05A6	302	A102_76.4 P63 BN63A6	303
13.3	61	2.5	65.9	5500	A102_65.9 S05 M05A6	302	A102_65.9 P63 BN63A6	303
15.0	54	2.8	58.6	5500	A102_58.6 S05 M05A6	302	A102_58.6 P63 BN63A6	303
17.2	47	3.2	51.3	5500	A102_51.3 S05 M05A6	302	A102_51.3 P63 BN63A6	303
19.4	42	2.4	45.4	4250	A052_45.4 S05 M05A6	299	A052_45.4 P63 BN63A6	299
21.5	38	2.7	40.9	4120	A052_40.9 S05 M05A6	299	A052_40.9 P63 BN63A6	299
25.1	32	3.1	35.1	3950	A052_35.1 S05 M05A6	299	A052_35.1 P63 BN63A6	299
27.3	30	3.4	32.2	3850	A052_32.2 S05 M05A6	299	A052_32.2 P63 BN63A6	299
31	26	3.8	28.6	3720	A052_28.6 S05 M05A6	299	A052_28.6 P63 BN63A6	299
35	23	4.4	25.5	3590	A052_25.5 S05 M05A6	299	A052_25.5 P63 BN63A6	299
37	22	4.6	23.8	3520	A052_23.8 S05 M05A6	299	A052_23.8 P63 BN63A6	299
41	19.6	5.3	21.4	3410	A052_21.4 S05 M05A6	299	A052_21.4 P63 BN63A6	299
47	17.1	5.9	18.6	3270	A052_18.6 S05 M05A6	299	A052_18.6 P63 BN63A6	299
53	15.1	6.8	16.4	3150	A052_16.4 S05 M05A6	299	A052_16.4 P63 BN63A6	299
63	12.8	7.8	13.9	2990	A052_13.9 S05 M05A6	299	A052_13.9 P63 BN63A6	299
72	11.3	8.8	12.3	2880	A052_12.3 S05 M05A6	299	A052_12.3 P63 BN63A6	299
83	9.7	10.3	10.6	2740	A052_10.6 S05 M05A6	299	A052_10.6 P63 BN63A6	299
92	8.8	11.3	9.6	2670	A052_9.6 S05 M05A6	299	A052_9.6 P63 BN63A6	299
103	7.8	13.2	8.5	2570	A052_8.5 S05 M05A6	299	A052_8.5 P63 BN63A6	299
122	6.6	15.1	7.2	2440	A052_7.2 S05 M05A6	299	A052_7.2 P63 BN63A6	299
139	5.8	17.8	6.3	2340	A052_6.3 S05 M05A6	299	A052_6.3 P63 BN63A6	299
161	5.0	19.9	5.5	2230	A052_5.5 S05 M05A6	299	A052_5.5 P63 BN63A6	299








0.12 kW





n2 min-1	M2 Nm	S	i	Rn2 N	 IE1	 IE2	 IE1	 IE2	
0.51	2012	2.5	1715	50000			A704_1715 P63 BN63B6		335
0.55	1857	2.7	1583	50000			A704_1583 P63 BN63B6		335
0.65	1579	3.2	1346	50000			A704_1346 P63 BN63B6		335
0.70	1457	3.4	1242	50000			A704_1242 P63 BN63B6		335
1.1	913	1.6	778.2	20000			A504_778.2 P63 BN63B6		323
1.2	818	3.4	697.3	30000			A604_697.3 P63 BN63B6		331
1.4	740	2.0	631.2	20000			A504_631.2 P63 BN63B6		323
1.6	621	2.4	529.5	20000			A504_529.5 P63 BN63B6		323
1.7	588	2.5	778.2	20000			A504_778.2 P63 BN63A4	A504_778.2 P63 BE63A4	323
1.9	535	2.8	707.9	20000			A504_707.9 P63 BN63A4	A504_707.9 P63 BE63A4	323
2.1	477	3.1	631.2	20000			A504_631.2 P63 BN63A4	A504_631.2 P63 BE63A4	323
2.4	434	3.5	574.2	20000			A504_574.2 P63 BN63A4	A504_574.2 P63 BE63A4	323
3.4	310	1.2	400.8	9600	A303_400.8 S05 M05A4	A303_400.8 S05 ME05A4 310	A303_400.8 P63 BN63A4	A303_400.8 P63 BE63A4	311
3.4	304	1.5	393.2	12000	A353_393.2 S05 M05A4	A353_393.2 S05 ME05A4 314	A353_393.2 P63 BN63A4	A353_393.2 P63 BE63A4	315
3.6	291	2.9	376.8	15000	A413_376.8 S05 M05A4	A413_376.8 S05 ME05A4 318	A413_376.8 P63 BN63A4	A413_376.8 P63 BE63A4	319
3.8	275	1.3	356.3	9600	A303_356.3 S05 M05A4	A303_356.3 S05 ME05A4 310	A303_356.3 P63 BN63A4	A303_356.3 P63 BE63A4	311
4.0	262	2.0	339.3	12000	A353_339.3 S05 M05A4	A353_339.3 S05 ME05A4 314	A353_339.3 P63 BN63A4	A353_339.3 P63 BE63A4	315
4.1	255	1.0	329.4	6200	A203_329.4 S05 M05A4	A203_329.4 S05 ME05A4 306	A203_329.4 P63 BN63A4	A203_329.4 P63 BE63A4	307
4.2	251	3.4	324.2	15000	A413_324.2 S05 M05A4	A413_324.2 S05 ME05A4 318	A413_324.2 P63 BN63A4	A413_324.2 P63 BE63A4	319
4.3	243	1.6	314.5	9600	A303_314.5 S05 M05A4	A303_314.5 S05 ME05A4 310	A303_314.5 P63 BN63A4	A303_314.5 P63 BE63A4	311
4.4	236	2.5	305.4	12000	A353_305.4 S05 M05A4	A353_305.4 S05 ME05A4 314	A353_305.4 P63 BN63A4	A353_305.4 P63 BE63A4	315
4.6	226	1.1	292.8	6200	A203_292.8 S05 M05A4	A203_292.8 S05 ME05A4 306	A203_292.8 P63 BN63A4	A203_292.8 P63 BE63A4	307
5.0	210	1.8	271.5	9600	A303_271.5 S05 M05A4	A303_271.5 S05 ME05A4 310	A303_271.5 P63 BN63A4	A303_271.5 P63 BE63A4	311
5.0	209	2.9	270.7	12000	A353_270.7 S05 M05A4	A353_270.7 S05 ME05A4 314	A353_270.7 P63 BN63A4	A353_270.7 P63 BE63A4	315
5.2	201	1.2	260.5	6200	A203_260.5 S05 M05A4	A203_260.5 S05 ME05A4 306	A203_260.5 P63 BN63A4	A203_260.5 P63 BE63A4	307
5.4	192	3.1	248.1	12000	A353_248.1 S05 M05A4	A353_248.1 S05 ME05A4 314	A353_248.1 P63 BN63A4	A353_248.1 P63 BE63A4	315
5.5	189	2.0	244.3	9600	A303_244.3 S05 M05A4	A303_244.3 S05 ME05A4 310	A303_244.3 P63 BN63A4	A303_244.3 P63 BE63A4	311
6.0	172	3.5	223.2	12000	A353_223.2 S05 M05A4	A353_223.2 S05 ME05A4 314	A353_223.2 P63 BN63A4	A353_223.2 P63 BE63A4	315
6.1	171	1.5	221.3	6200	A203_221.3 S05 M05A4	A203_221.3 S05 ME05A4 306	A203_221.3 P63 BN63A4	A203_221.3 P63 BE63A4	307
6.2	167	2.2	216.6	9600	A303_216.6 S05 M05A4	A303_216.6 S05 ME05A4 310	A303_216.6 P63 BN63A4	A303_216.6 P63 BE63A4	311
6.8	154	1.6	199.2	6200	A203_199.2 S05 M05A4	A203_199.2 S05 ME05A4 306	A203_199.2 P63 BN63A4	A203_199.2 P63 BE63A4	307
6.8	153	2.3	198.5	9600	A303_198.5 S05 M05A4	A303_198.5 S05 ME05A4 310	A303_198.5 P63 BN63A4	A303_198.5 P63 BE63A4	311
7.6	138	2.5	178.5	9600	A303_178.5 S05 M05A4	A303_178.5 S05 ME05A4 310	A303_178.5 P63 BN63A4	A303_178.5 P63 BE63A4	311
7.6	138	1.8	178.3	6200	A203_178.3 S05 M05A4	A203_178.3 S05 ME05A4 306	A203_178.3 P63 BN63A4	A203_178.3 P63 BE63A4	307
8.3	126	1.9	163.4	6200	A203_163.4 S05 M05A4	A203_163.4 S05 ME05A4 306	A203_163.4 P63 BN63A4	A203_163.4 P63 BE63A4	307
8.4	125	2.7	161.4	9600	A303_161.4 S05 M05A4	A303_161.4 S05 ME05A4 310	A303_161.4 P63 BN63A4	A303_161.4 P63 BE63A4	311
9.0	116	2.8	150.7	9600	A303_150.7 S05 M05A4	A303_150.7 S05 ME05A4 310	A303_150.7 P63 BN63A4	A303_150.7 P63 BE63A4	311
9.2	113	2.0	146.1	6200	A203_146.1 S05 M05A4	A203_146.1 S05 ME05A4 306	A203_146.1 P63 BN63A4	A203_146.1 P63 BE63A4	307
9.8	106	3.0	137.4	9600	A303_137.4 S05 M05A4	A303_137.4 S05 ME05A4 310	A303_137.4 P63 BN63A4	A303_137.4 P63 BE63A4	311
10.5	100	2.2	129.1	6200	A203_129.1 S05 M05A4	A203_129.1 S05 ME05A4 306	A203_129.1 P63 BN63A4	A203_129.1 P63 BE63A4	307
11.2	93	2.3	120.5	6200	A203_120.5 S05 M05A4	A203_120.5 S05 ME05A4 306	A203_120.5 P63 BN63A4	A203_120.5 P63 BE63A4	307
11.2	93	3.2	120.5	9600	A303_120.5 S05 M05A4	A303_120.5 S05 ME05A4 310	A303_120.5 P63 BN63A4	A303_120.5 P63 BE63A4	311
12.4	84	2.4	109.2	6200	A203_109.2 S05 M05A4	A203_109.2 S05 ME05A4 306	A203_109.2 P63 BN63A4	A203_109.2 P63 BE63A4	307
14.6	74	2.7	92.3	6200	A202_92.3 S05 M05A4	A202_92.3 S05 ME05A4 306	A202_92.3 P63 BN63A4	A202_92.3 P63 BE63A4	307
14.7	73	1.4	91.6	4420	A052_91.6 S05 M05A4	A052_91.6 S05 ME05A4 299	A052_91.6 P63 BN63A4	A052_91.6 P63 BE63A4	299
14.7	73	1.8	91.6	5500	A102_91.6 S05 M05A4	A102_91.6 S05 ME05A4 302	A102_91.6 P63 BN63A4	A102_91.6 P63 BE63A4	303
16.9	64	3.3	79.9	6200	A202_79.9 S05 M05A4	A202_79.9 S05 ME05A4 306	A202_79.9 P63 BN63A4	A202_79.9 P63 BE63A4	307
17.7	61	1.6	76.4	4230	A052_76.4 S05 M05A4	A052_76.4 S05 ME05A4 299	A052_76.4 P63 BN63A4	A052_76.4 P63 BE63A4	299
17.7	61	2.5	76.4	5500	A102_76.4 S05 M05A4	A102_76.4 S05 ME05A4 302	A102_76.4 P63 BN63A4	A102_76.4 P63 BE63A4	303
20.5	53	1.9	65.9	4070	A052_65.9 S05 M05A4	A052_65.9 S05 ME05A4 299	A052_65.9 P63 BN63A4	A052_65.9 P63 BE63A4	299
20.5	53	2.8	65.9	5500	A102_65.9 S05 M05A4	A102_65.9 S05 ME05A4 302	A102_65.9 P63 BN63A4	A102_65.9 P63 BE63A4	303
23.0	47	2.1	58.6	3950	A052_58.6 S05 M05A4	A052_58.6 S05 ME05A4 299	A052_58.6 P63 BN63A4	A052_58.6 P63 BE63A4	299
23.0	47	3.2	58.6	5500	A102_58.6 S05 M05A4	A102_58.6 S05 ME05A4 302	A102_58.6 P63 BN63A4	A102_58.6 P63 BE63A4	303
26.3	41	2.4	51.3	3810	A052_51.3 S05 M05A4	A052_51.3 S05 ME05A4 299	A052_51.3 P63 BN63A4	A052_51.3 P63 BE63A4	299
29.7	36	2.8	45.4	3680	A052_45.4 S05 M05A4	A052_45.4 S05 ME05A4 299	A052_45.4 P63 BN63A4	A052_45.4 P63 BE63A4	299
33	33	3.1	40.9	3570	A052_40.9 S05 M05A4	A052_40.9 S05 ME05A4 299	A052_40.9 P63 BN63A4	A052_40.9 P63 BE63A4	299
38	28	3.6	35.1	3420	A052_35.1 S05 M05A4	A052_35.1 S05 ME05A4 299	A052_35.1 P63 BN63A4	A052_35.1 P63 BE63A4	299
42	26	3.9	32.2	3340	A052_32.2 S05 M05A4	A052_32.2 S05 ME05A4 299	A052_32.2 P63 BN63A4	A052_32.2 P63 BE63A4	299
47	23	4.4	28.6	3220	A052_28.6 S05 M05A4	A052_28.6 S05 ME05A4 299	A052_28.6 P63 BN63A4	A052_28.6 P63 BE63A4	299
53	20	4.9	25.5	3110	A052_25.5 S05 M05A4	A052_25.5 S05 ME05A4 299	A052_25.5 P63 BN63A4	A052_25.5 P63 BE63A4	299
57	19	5.3	23.8	3050	A052_23.8 S05 M05A4	A052_23.8 S05 ME05A4 299	A052_23.8 P63 BN63A4	A052_23.8 P63 BE63A4	299
62	17.3	5.8	13.9	2960	A052_13.9 S05 M05B6	A052_13.9 S05 ME05B6 299	A052_13.9 P63 BN63B6	A052_13.9 P63 BE63B6	299
63	17.1	5.9	21.4	2950	A052_21.4 S05 M05A4	A052_21.4 S05 ME05A4 299	A052_21.4 P63 BN63A4	A052_21.4 P63 BE63A4	299
73	14.8	6.7	18.6	2830	A052_18.6 S05 M05A4	A052_18.6 S05 ME05A4 299	A052_18.6 P63 BN63A4	A052_18.6 P63 BE63A4	299
82	13.1	7.6	16.4	2730	A052_16.4 S05 M05A4	A052_16.4 S05 ME05A4 299	A052_16.4 P63 BN63A4	A052_16.4 P63 BE63A4	299



0.12 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1	 IE2	 IE1	 IE2	
90	11.9	8.4	9.6	2640	A052_9.6 S05 M05B6		299	A052_9.6 P63 BN63B6	299
97	11.1	9.0	13.9	2590	A052_13.9 S05 M05A4	A052_13.9 S05 ME05A4	299	A052_13.9 P63 BN63A4	299
110	9.8	10.2	12.3	2500	A052_12.3 S05 M05A4	A052_12.3 S05 ME05A4	299	A052_12.3 P63 BN63A4	299
121	8.9	11.2	7.2	2420	A052_7.2 S05 M05B6		299	A052_7.2 P63 BN63B6	299
128	8.4	11.9	10.6	2380	A052_10.6 S05 M05A4	A052_10.6 S05 ME05A4	299	A052_10.6 P63 BN63A4	299
140	7.7	13.0	9.6	2310	A052_9.6 S05 M05A4	A052_9.6 S05 ME05A4	299	A052_9.6 P63 BN63A4	299
159	6.8	14.7	8.5	2220	A052_8.5 S05 M05A4	A052_8.5 S05 ME05A4	299	A052_8.5 P63 BN63A4	299
187	5.8	17.4	7.2	2110	A052_7.2 S05 M05A4	A052_7.2 S05 ME05A4	299	A052_7.2 P63 BN63A4	299
213	5.1	19.8	6.3	2020	A052_6.3 S05 M05A4	A052_6.3 S05 ME05A4	299	A052_6.3 P63 BN63A4	299
247	4.4	21.8	5.5	1930	A052_5.5 S05 M05A4	A052_5.5 S05 ME05A4	299	A052_5.5 P63 BN63A4	299

0.12 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3	
0.51	2012	2.5	1715	50000				
0.55	1857	2.7	1583	50000				
0.65	1579	3.2	1346	50000				
0.70	1457	3.4	1242	50000				
1.1	913	1.6	778.2	20000				
1.2	818	3.4	697.3	30000				
1.4	740	2.0	631.2	20000				
1.6	621	2.4	529.5	20000				
1.7	588	2.5	778.2	20000			A504_778.2 P63 BXN63MA4	323
1.9	535	2.8	707.9	20000			A504_707.9 P63 BXN63MA4	323
2.1	477	3.1	631.2	20000			A504_631.2 P63 BXN63MA4	323
2.4	434	3.5	574.2	20000			A504_574.2 P63 BXN63MA4	323
3.4	310	1.2	400.8	9600	A303_400.8 S05 MXN05MA4	310	A303_400.8 P63 BXN63MA4	311
3.4	304	1.5	393.2	12000	A353_393.2 S05 MXN05MA4	314	A353_393.2 P63 BXN63MA4	315
3.6	291	2.9	376.8	15000	A413_376.8 S05 MXN05MA4	318	A413_376.8 P63 BXN63MA4	319
3.8	275	1.3	356.3	9600	A303_356.3 S05 MXN05MA4	310	A303_356.3 P63 BXN63MA4	311
4.0	262	2.0	339.3	12000	A353_339.3 S05 MXN05MA4	314	A353_339.3 P63 BXN63MA4	315
4.1	255	1.0	329.4	6200	A203_329.4 S05 MXN05MA4	306	A203_329.4 P63 BXN63MA4	307
4.2	251	3.4	324.2	15000	A413_324.2 S05 MXN05MA4	318	A413_324.2 P63 BXN63MA4	319
4.3	243	1.6	314.5	9600	A303_314.5 S05 MXN05MA4	310	A303_314.5 P63 BXN63MA4	311
4.4	236	2.5	305.4	12000	A353_305.4 S05 MXN05MA4	314	A353_305.4 P63 BXN63MA4	315
4.6	226	1.1	292.8	6200	A203_292.8 S05 MXN05MA4	306	A203_292.8 P63 BXN63MA4	307
5.0	210	1.8	271.5	9600	A303_271.5 S05 MXN05MA4	310	A303_271.5 P63 BXN63MA4	311
5.0	209	2.9	270.7	12000	A353_270.7 S05 MXN05MA4	314	A353_270.7 P63 BXN63MA4	315
5.2	201	1.2	260.5	6200	A203_260.5 S05 MXN05MA4	306	A203_260.5 P63 BXN63MA4	307
5.4	192	3.1	248.1	12000	A353_248.1 S05 MXN05MA4	314	A353_248.1 P63 BXN63MA4	315
5.5	189	2.0	244.3	9600	A303_244.3 S05 MXN05MA4	310	A303_244.3 P63 BXN63MA4	311
6.0	172	3.5	223.2	12000	A353_223.2 S05 MXN05MA4	314	A353_223.2 P63 BXN63MA4	315
6.1	171	1.5	221.3	6200	A203_221.3 S05 MXN05MA4	306	A203_221.3 P63 BXN63MA4	307
6.2	167	2.2	216.6	9600	A303_216.6 S05 MXN05MA4	310	A303_216.6 P63 BXN63MA4	311
6.8	154	1.6	199.2	6200	A203_199.2 S05 MXN05MA4	306	A203_199.2 P63 BXN63MA4	307
6.8	153	2.3	198.5	9600	A303_198.5 S05 MXN05MA4	310	A303_198.5 P63 BXN63MA4	311
7.6	138	2.5	178.5	9600	A303_178.5 S05 MXN05MA4	310	A303_178.5 P63 BXN63MA4	311
7.6	138	1.8	178.3	6200	A203_178.3 S05 MXN05MA4	306	A203_178.3 P63 BXN63MA4	307
8.3	126	1.9	163.4	6200	A203_163.4 S05 MXN05MA4	306	A203_163.4 P63 BXN63MA4	307
8.4	125	2.7	161.4	9600	A303_161.4 S05 MXN05MA4	310	A303_161.4 P63 BXN63MA4	311
9.0	116	2.8	150.7	9600	A303_150.7 S05 MXN05MA4	310	A303_150.7 P63 BXN63MA4	311
9.2	113	2.0	146.1	6200	A203_146.1 S05 MXN05MA4	306	A203_146.1 P63 BXN63MA4	307
9.8	106	3.0	137.4	9600	A303_137.4 S05 MXN05MA4	310	A303_137.4 P63 BXN63MA4	311
10.5	100	2.2	129.1	6200	A203_129.1 S05 MXN05MA4	306	A203_129.1 P63 BXN63MA4	307
11.2	93	2.3	120.5	6200	A203_120.5 S05 MXN05MA4	306	A203_120.5 P63 BXN63MA4	307
11.2	93	3.2	120.5	9600	A303_120.5 S05 MXN05MA4	310	A303_120.5 P63 BXN63MA4	311
12.4	84	2.4	109.2	6200	A203_109.2 S05 MXN05MA4	306	A203_109.2 P63 BXN63MA4	307
14.6	74	2.7	92.3	6200	A202_92.3 S05 MXN05MA4	306	A202_92.3 P63 BXN63MA4	307
14.7	73	1.4	91.6	4420	A052_91.6 S05 MXN05MA4	299	A052_91.6 P63 BXN63MA4	299
14.7	73	1.8	91.6	5500	A102_91.6 S05 MXN05MA4	302	A102_91.6 P63 BXN63MA4	303
16.9	64	3.3	79.9	6200	A202_79.9 S05 MXN05MA4	306	A202_79.9 P63 BXN63MA4	307



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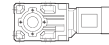



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3	
17.7	61	1.6	76.4	4230	A052_76.4 S05 MXN05MA4	299	A052_76.4 P63 BXN63MA4	299
17.7	61	2.5	76.4	5500	A102_76.4 S05 MXN05MA4	302	A102_76.4 P63 BXN63MA4	303
20.5	53	1.9	65.9	4070	A052_65.9 S05 MXN05MA4	299	A052_65.9 P63 BXN63MA4	299
20.5	53	2.8	65.9	5500	A102_65.9 S05 MXN05MA4	302	A102_65.9 P63 BXN63MA4	303
23.0	47	2.1	58.6	3950	A052_58.6 S05 MXN05MA4	299	A052_58.6 P63 BXN63MA4	299
23.0	47	3.2	58.6	5500	A102_58.6 S05 MXN05MA4	302	A102_58.6 P63 BXN63MA4	303
26.3	41	2.4	51.3	3810	A052_51.3 S05 MXN05MA4	299	A052_51.3 P63 BXN63MA4	299
29.7	36	2.8	45.4	3680	A052_45.4 S05 MXN05MA4	299	A052_45.4 P63 BXN63MA4	299
33	33	3.1	40.9	3570	A052_40.9 S05 MXN05MA4	299	A052_40.9 P63 BXN63MA4	299
38	28	3.6	35.1	3420	A052_35.1 S05 MXN05MA4	299	A052_35.1 P63 BXN63MA4	299
42	26	3.9	32.2	3340	A052_32.2 S05 MXN05MA4	299	A052_32.2 P63 BXN63MA4	299
47	23	4.4	28.6	3220	A052_28.6 S05 MXN05MA4	299	A052_28.6 P63 BXN63MA4	299
53	20	4.9	25.5	3110	A052_25.5 S05 MXN05MA4	299	A052_25.5 P63 BXN63MA4	299
57	19	5.3	23.8	3050	A052_23.8 S05 MXN05MA4	299	A052_23.8 P63 BXN63MA4	299
62	17.3	5.8	13.9	2960	A052_21.4 S05 MXN05MA4 A052_18.6 S05 MXN05MA4 A052_16.4 S05 MXN05MA4	299	A052_21.4 P63 BXN63MA4	299
63	17.1	5.9	21.4	2950		299	A052_18.6 P63 BXN63MA4	299
73	14.8	6.7	18.6	2830		299	A052_16.4 P63 BXN63MA4	299
82	13.1	7.6	16.4	2730		299		
90	11.9	8.4	9.6	2640	A052_13.9 S05 MXN05MA4 A052_12.3 S05 MXN05MA4	299	A052_13.9 P63 BXN63MA4	299
97	11.1	9.0	13.9	2590		299	A052_12.3 P63 BXN63MA4	299
110	9.8	10.2	12.3	2500	A052_10.6 S05 MXN05MA4	299	A052_10.6 P63 BXN63MA4	299
121	8.9	11.2	7.2	2420		299		
128	8.4	11.9	10.6	2380	A052_10.6 S05 MXN05MA4	299	A052_10.6 P63 BXN63MA4	299
140	7.7	13.0	9.6	2310	A052_9.6 S05 MXN05MA4	299	A052_9.6 P63 BXN63MA4	299
159	6.8	14.7	8.5	2220	A052_8.5 S05 MXN05MA4	299	A052_8.5 P63 BXN63MA4	299
187	5.8	17.4	7.2	2110	A052_7.2 S05 MXN05MA4	299	A052_7.2 P63 BXN63MA4	299
213	5.1	19.8	6.3	2020	A052_6.3 S05 MXN05MA4	299	A052_6.3 P63 BXN63MA4	299
247	4.4	21.8	5.5	1930	A052_5.5 S05 MXN05MA4	299	A052_5.5 P63 BXN63MA4	299

0.18 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1	 IE2	 IE1	 IE2		
0.52	2917	1.7	1715	50000	A704_1715 S1 M1SC6	334 337 337	A704_1715 P71 BN71A6	335		
0.58	2649	3.0	1558	65000	A804_1558 S1 M1SC6		A804_1558 P71 BN71A6	338		
0.67	2279	3.5	1340	65000	A804_1340 S1 M1SC6		A804_1340 P71 BN71A6	338		
0.77	1989	2.5	1715	50000			A704_1715 P63 BN63B4	A704_1715 P63 BE63B4	335	
0.83	1836	2.7	1583	50000			A704_1583 P63 BN63B4	A704_1583 P63 BE63B4	335	
0.98	1561	3.2	1346	50000	A604_697.3 S1 M1SC6 A604_585.8 S1 M1SC6	330 330	A704_1346 P63 BN63B4	A704_1346 P63 BE63B4	335	
1.1	1441	3.5	1242	50000			A704_1242 P63 BN63B4	A704_1242 P63 BE63B4	335	
1.3	1186	2.4	697.3	30000			A604_697.3 P71 BN71A6		331	
1.5	996	2.8	585.8	30000			A604_585.8 P71 BN71A6		331	
1.7	902	1.7	778.2	20000			A504_778.2 P63 BN63B4	A504_778.2 P63 BE63B4	323	
1.7	876	3.2	755.4	30000			A604_755.4 P63 BN63B4	A604_755.4 P63 BE63B4	331	
1.9	821	1.8	707.9	20000			A504_707.9 P63 BN63B4	A504_707.9 P63 BE63B4	323	
1.9	809	3.5	697.3	30000			A604_697.3 P63 BN63B4	A604_697.3 P63 BE63B4	331	
2.1	732	2.0	631.2	20000			A504_631.2 P63 BN63B4	A504_631.2 P63 BE63B4	323	
2.3	666	2.3	574.2	20000			A504_574.2 P63 BN63B4	A504_574.2 P63 BE63B4	323	
2.5	614	2.4	529.5	20000			A504_529.5 P63 BN63B4	A504_529.5 P63 BE63B4	323	
2.7	559	2.7	481.6	20000			A504_481.6 P63 BN63B4	A504_481.6 P63 BE63B4	323	
3.0	518	2.9	446.8	20000			A504_446.8 P63 BN63B4	A504_446.8 P63 BE63B4	323	
3.2	471	3.2	406.4	20000			A504_406.4 P63 BN63B4	A504_406.4 P63 BE63B4	323	
3.4	466	1.0	393.2	12000	A353_393.2 S05 M05B4	A353_393.2 S05 ME05B4	314	A353_393.2 P63 BN63B4	A353_393.2 P63 BE63B4	315
3.5	447	1.9	376.8	15000	A413_376.8 S05 M05B4	A413_376.8 S05 ME05B4	318	A413_376.8 P63 BN63B4	A413_376.8 P63 BE63B4	319
3.6	424	3.5	365.6	20000			A504_365.6 P63 BN63B4	A504_365.6 P63 BE63B4	323	
3.7	422	0.9	356.3	9600	A303_356.3 S05 M05B4	A303_356.3 S05 ME05B4	310	A303_356.3 P63 BN63B4	A303_356.3 P63 BE63B4	311
3.9	402	1.3	339.3	12000	A353_339.3 S05 M05B4	A353_339.3 S05 ME05B4	314	A353_339.3 P63 BN63B4	A353_339.3 P63 BE63B4	315
4.1	384	2.2	324.2	15000	A413_324.2 S05 M05B4	A413_324.2 S05 ME05B4	318	A413_324.2 P63 BN63B4	A413_324.2 P63 BE63B4	319
4.2	373	1.0	314.5	9600	A303_314.5 S05 M05B4	A303_314.5 S05 ME05B4	310	A303_314.5 P63 BN63B4	A303_314.5 P63 BE63B4	311
4.3	362	1.7	305.4	12000	A353_305.4 S05 M05B4	A353_305.4 S05 ME05B4	314	A353_305.4 P63 BN63B4	A353_305.4 P63 BE63B4	315
4.5	346	2.5	291.7	15000	A413_291.7 S05 M05B4	A413_291.7 S05 ME05B4	318	A413_291.7 P63 BN63B4	A413_291.7 P63 BE63B4	319
4.9	322	1.2	271.5	9600	A303_271.5 S05 M05B4	A303_271.5 S05 ME05B4	310	A303_271.5 P63 BN63B4	A303_271.5 P63 BE63B4	311








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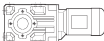




n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE1	IE2	IE1	IE2		
4.9	321	1.9	270.7	12000	A353_270.7 S05 M05B4	A353_270.7 S05 ME05B4	314	A353_270.7 P63 BN63B4	A353_270.7 P63 BE63B4	315
5.0	311	2.7	262.5	15000	A413_262.5 S05 M05B4	A413_262.5 S05 ME05B4	318	A413_262.5 P63 BN63B4	A413_262.5 P63 BE63B4	319
5.3	294	2.0	248.1	12000	A353_248.1 S05 M05B4	A353_248.1 S05 ME05B4	314	A353_248.1 P63 BN63B4	A353_248.1 P63 BE63B4	315
5.4	290	1.3	244.3	9600	A303_244.3 S05 M05B4	A303_244.3 S05 ME05B4	310	A303_244.3 P63 BN63B4	A303_244.3 P63 BE63B4	311
5.5	285	3.0	240.6	15000	A413_240.6 S05 M05B4	A413_240.6 S05 ME05B4	318	A413_240.6 P63 BN63B4	A413_240.6 P63 BE63B4	319
5.9	265	2.3	223.2	12000	A353_223.2 S05 M05B4	A353_223.2 S05 ME05B4	314	A353_223.2 P63 BN63B4	A353_223.2 P63 BE63B4	315
6.0	262	1.0	221.3	6200	A203_221.3 S05 M05B4	A203_221.3 S05 ME05B4	306	A203_221.3 P63 BN63B4	A203_221.3 P63 BE63B4	307
6.1	258	3.3	217.4	15000	A413_217.4 S05 M05B4	A413_217.4 S05 ME05B4	318	A413_217.4 P63 BN63B4	A413_217.4 P63 BE63B4	319
6.1	257	1.4	216.6	9600	A303_216.6 S05 M05B4	A303_216.6 S05 ME05B4	310	A303_216.6 P63 BN63B4	A303_216.6 P63 BE63B4	311
6.5	239	2.5	201.8	12000	A353_201.8 S05 M05B4	A353_201.8 S05 ME05B4	314	A353_201.8 P63 BN63B4	A353_201.8 P63 BE63B4	315
6.6	236	1.1	199.2	6200	A203_199.2 S05 M05B4	A203_199.2 S05 ME05B4	306	A203_199.2 P63 BN63B4	A203_199.2 P63 BE63B4	307
6.6	235	1.5	198.5	9600	A303_198.5 S05 M05B4	A303_198.5 S05 ME05B4	310	A303_198.5 P63 BN63B4	A303_198.5 P63 BE63B4	311
7.0	223	2.7	188.3	12000	A353_188.3 S05 M05B4	A353_188.3 S05 ME05B4	314	A353_188.3 P63 BN63B4	A353_188.3 P63 BE63B4	315
7.4	212	1.6	178.5	9600	A303_178.5 S05 M05B4	A303_178.5 S05 ME05B4	310	A303_178.5 P63 BN63B4	A303_178.5 P63 BE63B4	311
7.4	211	1.2	178.3	6200	A203_178.3 S05 M05B4	A203_178.3 S05 ME05B4	306	A203_178.3 P63 BN63B4	A203_178.3 P63 BE63B4	307
7.7	204	2.9	171.8	12000	A353_171.8 S05 M05B4	A353_171.8 S05 ME05B4	314	A353_171.8 P63 BN63B4	A353_171.8 P63 BE63B4	315
8.1	194	1.2	163.4	6200	A203_163.4 S05 M05B4	A203_163.4 S05 ME05B4	306	A203_163.4 P63 BN63B4	A203_163.4 P63 BE63B4	307
8.2	191	1.8	161.4	9600	A303_161.4 S05 M05B4	A303_161.4 S05 ME05B4	310	A303_161.4 P63 BN63B4	A303_161.4 P63 BE63B4	311
8.8	179	1.8	150.7	9600	A303_150.7 S05 M05B4	A303_150.7 S05 ME05B4	310	A303_150.7 P63 BN63B4	A303_150.7 P63 BE63B4	311
8.8	179	3.4	150.6	12000	A353_150.6 S05 M05B4	A353_150.6 S05 ME05B4	314	A353_150.6 P63 BN63B4	A353_150.6 P63 BE63B4	315
9.0	173	1.3	146.1	6200	A203_146.1 S05 M05B4	A203_146.1 S05 ME05B4	306	A203_146.1 P63 BN63B4	A203_146.1 P63 BE63B4	307
9.6	163	1.9	137.4	9600	A303_137.4 S05 M05B4	A303_137.4 S05 ME05B4	310	A303_137.4 P63 BN63B4	A303_137.4 P63 BE63B4	311
10.2	153	1.4	129.1	6200	A203_129.1 S05 M05B4	A203_129.1 S05 ME05B4	306	A203_129.1 P63 BN63B4	A203_129.1 P63 BE63B4	307
11.0	143	1.5	120.5	6200	A203_120.5 S05 M05B4	A203_120.5 S05 ME05B4	306	A203_120.5 P63 BN63B4	A203_120.5 P63 BE63B4	307
11.0	143	2.1	120.5	9600	A303_120.5 S05 M05B4	A303_120.5 S05 ME05B4	310	A303_120.5 P63 BN63B4	A303_120.5 P63 BE63B4	311
12.1	129	1.6	109.2	6200	A203_109.2 S05 M05B4	A203_109.2 S05 ME05B4	306	A203_109.2 P63 BN63B4	A203_109.2 P63 BE63B4	307
12.1	129	2.3	109.1	9600	A303_109.1 S05 M05B4	A303_109.1 S05 ME05B4	310	A303_109.1 P63 BN63B4	A303_109.1 P63 BE63B4	311
13.5	119	2.5	97.5	9600				A302_97.5 P63 BN63B4	A302_97.5 P63 BE63B4	311
14.3	113	1.8	92.3	6200	A202_92.3 S05 M05B4	A202_92.3 S05 ME05B4	306	A202_92.3 P63 BN63B4	A202_92.3 P63 BE63B4	307
14.4	112	0.9	91.6	4120	A052_91.6 S05 M05B4	A052_91.6 S05 ME05B4	299	A052_91.6 P63 BN63B4	A052_91.6 P63 BE63B4	299
14.4	112	1.2	91.6	5500	A102_91.6 S05 M05B4	A102_91.6 S05 ME05B4	302	A102_91.6 P63 BN63B4	A102_91.6 P63 BE63B4	303
15.2	106	3.0	86.7	9600				A302_86.7 P63 BN63B4	A302_86.7 P63 BE63B4	311
16.5	98	2.1	79.9	6200	A202_79.9 S05 M05B4	A202_79.9 S05 ME05B4	306	A202_79.9 P63 BN63B4	A202_79.9 P63 BE63B4	307
17.3	94	1.1	76.4	3980	A052_76.4 S05 M05B4	A052_76.4 S05 ME05B4	299	A052_76.4 P63 BN63B4	A052_76.4 P63 BE63B4	299
17.3	94	1.6	76.4	5500	A102_76.4 S05 M05B4	A102_76.4 S05 ME05B4	302	A102_76.4 P63 BN63B4	A102_76.4 P63 BE63B4	303
18.6	87	2.4	71.0	6200	A202_71.0 S05 M05B4	A202_71.0 S05 ME05B4	306	A202_71.0 P63 BN63B4	A202_71.0 P63 BE63B4	307
20.0	81	1.2	65.9	3860	A052_65.9 S05 M05B4	A052_65.9 S05 ME05B4	299	A052_65.9 P63 BN63B4	A052_65.9 P63 BE63B4	299
20.0	81	1.9	65.9	5500	A102_65.9 S05 M05B4	A102_65.9 S05 ME05B4	302	A102_65.9 P63 BN63B4	A102_65.9 P63 BE63B4	303
20.9	77	3.2	63.1	6200	A202_63.1 S05 M05B4	A202_63.1 S05 ME05B4	306	A202_63.1 P63 BN63B4	A202_63.1 P63 BE63B4	307
22.5	72	1.4	58.6	3760	A052_58.6 S05 M05B4	A052_58.6 S05 ME05B4	299	A052_58.6 P63 BN63B4	A052_58.6 P63 BE63B4	299
22.5	72	2.1	58.6	5500	A102_58.6 S05 M05B4	A102_58.6 S05 ME05B4	302	A102_58.6 P63 BN63B4	A102_58.6 P63 BE63B4	303
25.8	63	1.6	51.3	3640	A052_51.3 S05 M05B4	A052_51.3 S05 ME05B4	299	A052_51.3 P63 BN63B4	A052_51.3 P63 BE63B4	299
25.8	63	2.4	51.3	5500	A102_51.3 S05 M05B4	A102_51.3 S05 ME05B4	302	A102_51.3 P63 BN63B4	A102_51.3 P63 BE63B4	303
29.1	56	1.8	45.4	3540	A052_45.4 S05 M05B4	A052_45.4 S05 ME05B4	299	A052_45.4 P63 BN63B4	A052_45.4 P63 BE63B4	299
29.1	56	2.7	45.4	5500	A102_45.4 S05 M05B4	A102_45.4 S05 ME05B4	302	A102_45.4 P63 BN63B4	A102_45.4 P63 BE63B4	303
32	50	2.0	40.9	3440	A052_40.9 S05 M05B4	A052_40.9 S05 ME05B4	299	A052_40.9 P63 BN63B4	A052_40.9 P63 BE63B4	299
32	50	3.0	40.9	5500	A102_40.9 S05 M05B4	A102_40.9 S05 ME05B4	302	A102_40.9 P63 BN63B4	A102_40.9 P63 BE63B4	303
38	43	2.3	35.1	3310	A052_35.1 S05 M05B4	A052_35.1 S05 ME05B4	299	A052_35.1 P63 BN63B4	A052_35.1 P63 BE63B4	299
38	43	3.5	35.1	5380	A102_35.1 S05 M05B4	A102_35.1 S05 ME05B4	302	A102_35.1 P63 BN63B4	A102_35.1 P63 BE63B4	303
41	39	2.5	32.2	3240	A052_32.2 S05 M05B4	A052_32.2 S05 ME05B4	299	A052_32.2 P63 BN63B4	A052_32.2 P63 BE63B4	299
46	35	2.9	28.6	3130	A052_28.6 S05 M05B4	A052_28.6 S05 ME05B4	299	A052_28.6 P63 BN63B4	A052_28.6 P63 BE63B4	299
52	31	3.2	25.5	3040	A052_25.5 S05 M05B4	A052_25.5 S05 ME05B4	299	A052_25.5 P63 BN63B4	A052_25.5 P63 BE63B4	299
56	29	3.4	23.8	2980	A052_23.8 S05 M05B4	A052_23.8 S05 ME05B4	299	A052_23.8 P63 BN63B4	A052_23.8 P63 BE63B4	299
62	26	3.8	21.4	2890	A052_21.4 S05 M05B4	A052_21.4 S05 ME05B4	299	A052_21.4 P63 BN63B4	A052_21.4 P63 BE63B4	299
71	23	4.4	18.6	2780	A052_18.6 S05 M05B4	A052_18.6 S05 ME05B4	299	A052_18.6 P63 BN63B4	A052_18.6 P63 BE63B4	299
80	20	5.0	16.4	2680	A052_16.4 S05 M05B4	A052_16.4 S05 ME05B4	299	A052_16.4 P63 BN63B4	A052_16.4 P63 BE63B4	299
95	17.1	5.9	13.9	2550	A052_13.9 S05 M05B4	A052_13.9 S05 ME05B4	299	A052_13.9 P63 BN63B4	A052_13.9 P63 BE63B4	299
107	15.1	6.6	12.3	2460	A052_12.3 S05 M05B4	A052_12.3 S05 ME05B4	299	A052_12.3 P63 BN63B4	A052_12.3 P63 BE63B4	299
125	12.9	7.7	10.6	2350	A052_10.6 S05 M05B4	A052_10.6 S05 ME05B4	299	A052_10.6 P63 BN63B4	A052_10.6 P63 BE63B4	299
137	11.8	8.5	9.6	2280	A052_9.6 S05 M05B4	A052_9.6 S05 ME05B4	299	A052_9.6 P63 BN63B4	A052_9.6 P63 BE63B4	299
142	11.4	8.8	6.3	2300	A052_6.3 S1 M1SC6		299	A052_6.3 P71 BN71A6		299
155	10.4	9.6	8.5	2200	A052_8.5 S05 M05B4	A052_8.5 S05 ME05B4	299	A052_8.5 P63 BN63B4	A052_8.5 P63 BE63B4	299
183	8.8	11.3	7.2	2090	A052_7.2 S05 M05B4	A052_7.2 S05 ME05B4	299	A052_7.2 P63 BN63B4	A052_7.2 P63 BE63B4	299
208	7.8	12.9	6.3	2010	A052_6.3 S05 M05B4	A052_6.3 S05 ME05B4	299	A052_6.3 P63 BN63B4	A052_6.3 P63 BE63B4	299
242	6.7	14.2	5.5	1920	A052_5.5 S05 M05B4	A052_5.5 S05 ME05B4	299	A052_5.5 P63 BN63B4	A052_5.5 P63 BE63B4	299



0.18 kW






n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1	 IE2	 IEC 	
284	5.7	16.7	9.6	1830	A052_9.6 S05 M05A2		299 A052_9.6 P63 BN63A2	299
321	5.0	17.8	8.5	1770	A052_8.5 S05 M05A2		299 A052_8.5 P63 BN63A2	299
379	4.3	19.9	7.2	1670	A052_7.2 S05 M05A2		299 A052_7.2 P63 BN63A2	299
431	3.8	21.3	6.3	1610	A052_6.3 S05 M05A2		299 A052_6.3 P63 BN63A2	299
499	3.2	23.2	5.5	1530	A052_5.5 S05 M05A2		299 A052_5.5 P63 BN63A2	299

0.18 kW






n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IEC 	
0.52	2917	1.7	1715	50000				
0.58	2649	3.0	1558	65000				
0.67	2279	3.5	1340	65000				
0.77	1989	2.5	1715	50000			A704_1715 P63 BXN63MB4	335
0.83	1836	2.7	1583	50000			A704_1583 P63 BXN63MB4	335
0.98	1561	3.2	1346	50000			A704_1346 P63 BXN63MB4	335
1.1	1441	3.5	1242	50000			A704_1242 P63 BXN63MB4	335
1.3	1186	2.4	697.3	30000				
1.5	996	2.8	585.8	30000				
1.7	902	1.7	778.2	20000			A504_778.2 P63 BXN63MB4	323
1.7	876	3.2	755.4	30000			A604_755.4 P63 BXN63MB4	331
1.9	821	1.8	707.9	20000			A504_707.9 P63 BXN63MB4	323
1.9	809	3.5	697.3	30000			A604_697.3 P63 BXN63MB4	331
2.1	732	2.0	631.2	20000			A504_631.2 P63 BXN63MB4	323
2.3	666	2.3	574.2	20000			A504_574.2 P63 BXN63MB4	323
2.5	614	2.4	529.5	20000			A504_529.5 P63 BXN63MB4	323
2.7	559	2.7	481.6	20000			A504_481.6 P63 BXN63MB4	323
3.0	518	2.9	446.8	20000			A504_446.8 P63 BXN63MB4	323
3.2	471	3.2	406.4	20000			A504_406.4 P63 BXN63MB4	323
3.4	466	1.0	393.2	12000	A353_393.2 S05 MXN05MB4	314	A353_393.2 P63 BXN63MB4	315
3.5	447	1.9	376.8	15000	A413_376.8 S05 MXN05MB4	318	A413_376.8 P63 BXN63MB4	319
3.6	424	3.5	365.6	20000			A504_365.6 P63 BXN63MB4	323
3.7	422	0.9	356.3	9600	A303_356.3 S05 MXN05MB4	310	A303_356.3 P63 BXN63MB4	311
3.9	402	1.3	339.3	12000	A353_339.3 S05 MXN05MB4	314	A353_339.3 P63 BXN63MB4	315
4.1	384	2.2	324.2	15000	A413_324.2 S05 MXN05MB4	318	A413_324.2 P63 BXN63MB4	319
4.2	373	1.0	314.5	9600	A303_314.5 S05 MXN05MB4	310	A303_314.5 P63 BXN63MB4	311
4.3	362	1.7	305.4	12000	A353_305.4 S05 MXN05MB4	314	A353_305.4 P63 BXN63MB4	315
4.5	346	2.5	291.7	15000	A413_291.7 S05 MXN05MB4	318	A413_291.7 P63 BXN63MB4	319
4.9	322	1.2	271.5	9600	A303_271.5 S05 MXN05MB4	310	A303_271.5 P63 BXN63MB4	311
4.9	321	1.9	270.7	12000	A353_270.7 S05 MXN05MB4	314	A353_270.7 P63 BXN63MB4	315
5.0	311	2.7	262.5	15000	A413_262.5 S05 MXN05MB4	318	A413_262.5 P63 BXN63MB4	319
5.3	294	2.0	248.1	12000	A353_248.1 S05 MXN05MB4	314	A353_248.1 P63 BXN63MB4	315
5.4	290	1.3	244.3	9600	A303_244.3 S05 MXN05MB4	310	A303_244.3 P63 BXN63MB4	311
5.5	285	3.0	240.6	15000	A413_240.6 S05 MXN05MB4	318	A413_240.6 P63 BXN63MB4	319
5.9	265	2.3	223.2	12000	A353_223.2 S05 MXN05MB4	314	A353_223.2 P63 BXN63MB4	315
6.0	262	1.0	221.3	6200	A203_221.3 S05 MXN05MB4	306	A203_221.3 P63 BXN63MB4	307
6.1	258	3.3	217.4	15000	A413_217.4 S05 MXN05MB4	318	A413_217.4 P63 BXN63MB4	319
6.1	257	1.4	216.6	9600	A303_216.6 S05 MXN05MB4	310	A303_216.6 P63 BXN63MB4	311
6.5	239	2.5	201.8	12000	A353_201.8 S05 MXN05MB4	314	A353_201.8 P63 BXN63MB4	315
6.6	236	1.1	199.2	6200	A203_199.2 S05 MXN05MB4	306	A203_199.2 P63 BXN63MB4	307
6.6	235	1.5	198.5	9600	A303_198.5 S05 MXN05MB4	310	A303_198.5 P63 BXN63MB4	311
7.0	223	2.7	188.3	12000	A353_188.3 S05 MXN05MB4	314	A353_188.3 P63 BXN63MB4	315
7.4	212	1.6	178.5	9600	A303_178.5 S05 MXN05MB4	310	A303_178.5 P63 BXN63MB4	311
7.4	211	1.2	178.3	6200	A203_178.3 S05 MXN05MB4	306	A203_178.3 P63 BXN63MB4	307
7.7	204	2.9	171.8	12000	A353_171.8 S05 MXN05MB4	314	A353_171.8 P63 BXN63MB4	315
8.1	194	1.2	163.4	6200	A203_163.4 S05 MXN05MB4	306	A203_163.4 P63 BXN63MB4	307
8.2	191	1.8	161.4	9600	A303_161.4 S05 MXN05MB4	310	A303_161.4 P63 BXN63MB4	311
8.8	179	1.8	150.7	9600	A303_150.7 S05 MXN05MB4	310	A303_150.7 P63 BXN63MB4	311
8.8	179	3.4	150.6	12000	A353_150.6 S05 MXN05MB4	314	A353_150.6 P63 BXN63MB4	315
9.0	173	1.3	146.1	6200	A203_146.1 S05 MXN05MB4	306	A203_146.1 P63 BXN63MB4	307
9.6	163	1.9	137.4	9600	A303_137.4 S05 MXN05MB4	310	A303_137.4 P63 BXN63MB4	311
10.2	153	1.4	129.1	6200	A203_129.1 S05 MXN05MB4	306	A203_129.1 P63 BXN63MB4	307



0.18 kW

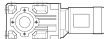

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IEC  IE3	
11.0	143	1.5	120.5	6200	A203_120.5 S05 MXN05MB4	306	A203_120.5 P63 BXN63MB4	307
11.0	143	2.1	120.5	9600	A303_120.5 S05 MXN05MB4	310	A303_120.5 P63 BXN63MB4	311
12.1	129	1.6	109.2	6200	A203_109.2 S05 MXN05MB4	306	A203_109.2 P63 BXN63MB4	307
12.1	129	2.3	109.1	9600	A303_109.1 S05 MXN05MB4	310	A303_109.1 P63 BXN63MB4	311
13.5	119	2.5	97.5	9600			A302_97.5 P63 BXN63MB4	311
14.3	113	1.8	92.3	6200	A202_92.3 S05 MXN05MB4	306	A202_92.3 P63 BXN63MB4	307
14.4	112	0.9	91.6	4120	A052_91.6 S05 MXN05MB4	299	A052_91.6 P63 BXN63MB4	299
14.4	112	1.2	91.6	5500	A102_91.6 S05 MXN05MB4	302	A102_91.6 P63 BXN63MB4	303
15.2	106	3.0	86.7	9600			A302_86.7 P63 BXN63MB4	311
16.5	98	2.1	79.9	6200	A202_79.9 S05 MXN05MB4	306	A202_79.9 P63 BXN63MB4	307
17.3	94	1.1	76.4	3980	A052_76.4 S05 MXN05MB4	299	A052_76.4 P63 BXN63MB4	299
17.3	94	1.6	76.4	5500	A102_76.4 S05 MXN05MB4	302	A102_76.4 P63 BXN63MB4	303
18.6	87	2.4	71.0	6200	A202_71.0 S05 MXN05MB4	306	A202_71.0 P63 BXN63MB4	307
20.0	81	1.2	65.9	3860	A052_65.9 S05 MXN05MB4	299	A052_65.9 P63 BXN63MB4	299
20.0	81	1.9	65.9	5500	A102_65.9 S05 MXN05MB4	302	A102_65.9 P63 BXN63MB4	303
20.9	77	3.2	63.1	6200	A202_63.1 S05 MXN05MB4	306	A202_63.1 P63 BXN63MB4	307
22.5	72	1.4	58.6	3760	A052_58.6 S05 MXN05MB4	299	A052_58.6 P63 BXN63MB4	299
22.5	72	2.1	58.6	5500	A102_58.6 S05 MXN05MB4	302	A102_58.6 P63 BXN63MB4	303
25.8	63	1.6	51.3	3640	A052_51.3 S05 MXN05MB4	299	A052_51.3 P63 BXN63MB4	299
25.8	63	2.4	51.3	5500	A102_51.3 S05 MXN05MB4	302	A102_51.3 P63 BXN63MB4	303
29.1	56	1.8	45.4	3540	A052_45.4 S05 MXN05MB4	299	A052_45.4 P63 BXN63MB4	299
29.1	56	2.7	45.4	5500	A102_45.4 S05 MXN05MB4	302	A102_45.4 P63 BXN63MB4	303
32	50	2.0	40.9	3440	A052_40.9 S05 MXN05MB4	299	A052_40.9 P63 BXN63MB4	299
32	50	3.0	40.9	5500	A102_40.9 S05 MXN05MB4	302	A102_40.9 P63 BXN63MB4	303
38	43	2.3	35.1	3310	A052_35.1 S05 MXN05MB4	299	A052_35.1 P63 BXN63MB4	299
38	43	3.5	35.1	5380	A102_35.1 S05 MXN05MB4	302	A102_35.1 P63 BXN63MB4	303
41	39	2.5	32.2	3240	A052_32.2 S05 MXN05MB4	299	A052_32.2 P63 BXN63MB4	299
46	35	2.9	28.6	3130	A052_28.6 S05 MXN05MB4	299	A052_28.6 P63 BXN63MB4	299
52	31	3.2	25.5	3040	A052_25.5 S05 MXN05MB4	299	A052_25.5 P63 BXN63MB4	299
56	29	3.4	23.8	2980	A052_23.8 S05 MXN05MB4	299	A052_23.8 P63 BXN63MB4	299
62	26	3.8	21.4	2890	A052_21.4 S05 MXN05MB4	299	A052_21.4 P63 BXN63MB4	299
71	23	4.4	18.6	2780	A052_18.6 S05 MXN05MB4	299	A052_18.6 P63 BXN63MB4	299
80	20	5.0	16.4	2680	A052_16.4 S05 MXN05MB4	299	A052_16.4 P63 BXN63MB4	299
95	17.1	5.9	13.9	2550	A052_13.9 S05 MXN05MB4	299	A052_13.9 P63 BXN63MB4	299
107	15.1	6.6	12.3	2460	A052_12.3 S05 MXN05MB4	299	A052_12.3 P63 BXN63MB4	299
125	12.9	7.7	10.6	2350	A052_10.6 S05 MXN05MB4	299	A052_10.6 P63 BXN63MB4	299
137	11.8	8.5	9.6	2280	A052_9.6 S05 MXN05MB4	299	A052_9.6 P63 BXN63MB4	299
142	11.4	8.8	6.3	2300				
155	10.4	9.6	8.5	2200	A052_8.5 S05 MXN05MB4	299	A052_8.5 P63 BXN63MB4	299
183	8.8	11.3	7.2	2090	A052_7.2 S05 MXN05MB4	299	A052_7.2 P63 BXN63MB4	299
208	7.8	12.9	6.3	2010	A052_6.3 S05 MXN05MB4	299	A052_6.3 P63 BXN63MB4	299
242	6.7	14.2	5.5	1920	A052_5.5 S05 MXN05MB4	299	A052_5.5 P63 BXN63MB4	299
284	5.7	16.7	9.6	1830				
321	5.0	17.8	8.5	1770				
379	4.3	19.9	7.2	1670				
431	3.8	21.3	6.3	1610				
499	3.2	23.2	5.5	1530				

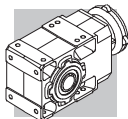
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n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1	 IE2	 IEC  IE2	
0.52	4051	1.2	1715	50000	A704_1715 S1 M1SD6			335
0.58	3680	2.2	1558	65000	A804_1558 S1 M1SD6			338
0.67	3165	2.5	1340	65000	A804_1340 S1 M1SD6			338
0.80	2642	1.9	1715	50000			A704_1715 P71 BE71A4	335
0.87	2439	2.1	1583	50000			A704_1583 P71 BE71A4	335
0.89	2400	3.3	1558	65000			A804_1558 P71 BN71A4	338
1.0	2073	2.4	1346	50000			A704_1346 P71 BE71A4	335
1.1	1914	2.6	1242	50000			A704_1242 P71 BN71A4	335
1.2	1789	2.8	1161	50000			A704_1161 P71 BN71A4	335
1.3	1652	3.0	1072	50000			A704_1072 P71 BN71A4	335

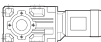





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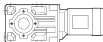




n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE1	IE2		IE1	IE2	
1.5	1427	3.5	926.5	50000				A704_926.5 P71 BN71A4	A704_926.5 P71 BE71A4	335
1.8	1199	1.3	778.2	20000				A504_778.2 P71 BN71A4	A504_778.2 P71 BE71A4	323
1.8	1164	2.4	755.4	30000				A604_755.4 P71 BN71A4	A604_755.4 P71 BE71A4	331
1.9	1091	1.4	707.9	20000				A504_707.9 P71 BN71A4	A504_707.9 P71 BE71A4	323
2.0	1074	2.6	697.3	30000				A604_697.3 P71 BN71A4	A604_697.3 P71 BE71A4	331
2.2	978	2.9	634.6	30000				A604_634.6 P71 BN71A4	A604_634.6 P71 BE71A4	331
2.2	972	1.5	631.2	20000				A504_631.2 P71 BN71A4	A504_631.2 P71 BE71A4	323
2.4	902	3.1	585.8	30000				A604_585.8 P71 BN71A4	A604_585.8 P71 BE71A4	331
2.4	885	1.7	574.2	20000				A504_574.2 P71 BN71A4	A504_574.2 P71 BE71A4	323
2.5	835	3.4	542.0	30000				A604_542.0 P71 BN71A4	A604_542.0 P71 BE71A4	331
2.6	816	1.8	529.5	20000				A504_529.5 P71 BN71A4	A504_529.5 P71 BE71A4	323
2.9	742	2.0	481.6	20000				A504_481.6 P71 BN71A4	A504_481.6 P71 BE71A4	323
3.1	688	2.2	446.8	20000				A504_446.8 P71 BN71A4	A504_446.8 P71 BE71A4	323
3.4	626	2.4	406.4	20000				A504_406.4 P71 BN71A4	A504_406.4 P71 BE71A4	323
3.6	611	1.4	376.8	15000	A413_376.8 S05 M05C4	A413_376.8 S1 ME1SA4	318	A413_376.8 P71 BN71A4	A413_376.8 P71 BE71A4	319
3.8	563	2.7	365.6	20000				A504_365.6 P71 BN71A4	A504_365.6 P71 BE71A4	323
3.9	550	0.9	339.3	12000	A353_339.3 S05 M05C4	A353_339.3 S1 ME1SA4	314	A353_339.3 P71 BN71A4	A353_339.3 P71 BE71A4	315
4.1	526	1.6	324.2	15000	A413_324.2 S05 M05C4	A413_324.2 S1 ME1SA4	318	A413_324.2 P71 BN71A4	A413_324.2 P71 BE71A4	319
4.1	512	2.9	332.6	20000				A504_332.6 P71 BN71A4	A504_332.6 P71 BE71A4	323
4.4	495	1.2	305.4	12000	A353_305.4 S05 M05C4	A353_305.4 S1 ME1SA4	314	A353_305.4 P71 BN71A4	A353_305.4 P71 BE71A4	315
4.7	460	1.8	291.7	15000	A413_291.7 S05 M05C4	A413_291.7 S1 ME1SA4	318	A413_291.7 P71 BN71A4	A413_291.7 P71 BE71A4	319
4.8	442	3.4	286.8	20000				A504_286.8 P71 BN71A4	A504_286.8 P71 BE71A4	323
4.9	440	0.9	271.5	9600	A303_271.5 S05 M05C4	A303_271.5 S1 ME1SA4	310	A303_271.5 P71 BN71A4	A303_271.5 P71 BE71A4	311
5.0	439	1.4	270.7	12000	A353_270.7 S05 M05C4	A353_270.7 S1 ME1SA4	314	A353_270.7 P71 BN71A4	A353_270.7 P71 BE71A4	315
5.1	426	2.0	262.5	15000	A413_262.5 S05 M05C4	A413_262.5 S1 ME1SA4	318	A413_262.5 P71 BN71A4	A413_262.5 P71 BE71A4	319
5.4	403	1.5	248.1	12000	A353_248.1 S05 M05C4	A353_248.1 S1 ME1SA4	314	A353_248.1 P71 BN71A4	A353_248.1 P71 BE71A4	315
5.6	385	1.0	244.3	9600	A303_244.3 S05 M05C4	A303_244.3 S1 ME1SA4	310	A303_244.3 P71 BN71A4	A303_244.3 P71 BE71A4	311
5.7	379	2.2	240.6	15000	A413_240.6 S05 M05C4	A413_240.6 S1 ME1SA4	318	A413_240.6 P71 BN71A4	A413_240.6 P71 BE71A4	319
6.0	362	1.7	223.2	12000	A353_223.2 S05 M05C4	A353_223.2 S1 ME1SA4	314	A353_223.2 P71 BN71A4	A353_223.2 P71 BE71A4	315
6.2	353	2.4	217.4	15000	A413_217.4 S05 M05C4	A413_217.4 S1 ME1SA4	318	A413_217.4 P71 BN71A4	A413_217.4 P71 BE71A4	319
6.2	351	1.0	216.6	9600	A303_216.6 S05 M05C4	A303_216.6 S1 ME1SA4	310	A303_216.6 P71 BN71A4	A303_216.6 P71 BE71A4	311
6.6	327	1.8	201.8	12000	A353_201.8 S05 M05C4	A353_201.8 S1 ME1SA4	314	A353_201.8 P71 BN71A4	A353_201.8 P71 BE71A4	315
7.0	313	1.1	198.5	9600	A303_198.5 S05 M05C4	A303_198.5 S1 ME1SA4	310	A303_198.5 P71 BN71A4	A303_198.5 P71 BE71A4	311
7.0	311	2.7	197.5	15000	A413_197.5 S05 M05C4	A413_197.5 S1 ME1SA4	318	A413_197.5 P71 BN71A4	A413_197.5 P71 BE71A4	319
7.1	306	2.0	188.3	12000	A353_188.3 S05 M05C4	A353_188.3 S1 ME1SA4	314	A353_188.3 P71 BN71A4	A353_188.3 P71 BE71A4	315
7.3	299	2.8	184.4	15000	A413_184.4 S05 M05C4	A413_184.4 S1 ME1SA4	318	A413_184.4 P71 BN71A4	A413_184.4 P71 BE71A4	319
7.5	290	1.2	178.5	9600	A303_178.5 S05 M05C4	A303_178.5 S1 ME1SA4	310	A303_178.5 P71 BN71A4	A303_178.5 P71 BE71A4	311
7.8	279	2.2	171.8	12000	A353_171.8 S05 M05C4	A353_171.8 S1 ME1SA4	314	A353_171.8 P71 BN71A4	A353_171.8 P71 BE71A4	315
8.4	257	0.9	163.4	6200	A203_163.4 S05 M05C4	A203_163.4 S1 ME1SA4	306	A203_163.4 P71 BN71A4	A203_163.4 P71 BE71A4	307
8.5	254	1.3	161.4	9600	A303_161.4 S05 M05C4	A303_161.4 S1 ME1SA4	310	A303_161.4 P71 BN71A4	A303_161.4 P71 BE71A4	311
8.9	244	1.4	150.7	9600	A303_150.7 S05 M05C4	A303_150.7 S1 ME1SA4	310	A303_150.7 P71 BN71A4	A303_150.7 P71 BE71A4	311
8.9	244	2.5	150.6	12000	A353_150.6 S05 M05C4	A353_150.6 S1 ME1SA4	314	A353_150.6 P71 BN71A4	A353_150.6 P71 BE71A4	315
9.2	237	1.0	146.1	6200	A203_146.1 S05 M05C4	A203_146.1 S1 ME1SA4	306	A203_146.1 P71 BN71A4	A203_146.1 P71 BE71A4	307
9.8	221	2.6	136.3	12000	A353_136.3 S05 M05C4	A353_136.3 S1 ME1SA4	314	A353_136.3 P71 BN71A4	A353_136.3 P71 BE71A4	315
10.0	216	1.5	137.4	9600	A303_137.4 S05 M05C4	A303_137.4 S1 ME1SA4	310	A303_137.4 P71 BN71A4	A303_137.4 P71 BE71A4	311
10.7	203	1.1	129.1	6200	A203_129.1 S05 M05C4	A203_129.1 S1 ME1SA4	306	A203_129.1 P71 BN71A4	A203_129.1 P71 BE71A4	307
11.1	196	1.1	120.5	6200	A203_120.5 S05 M05C4	A203_120.5 S1 ME1SA4	306	A203_120.5 P71 BN71A4	A203_120.5 P71 BE71A4	307
11.1	195	1.5	120.5	9600	A303_120.5 S05 M05C4	A303_120.5 S1 ME1SA4	310	A303_120.5 P71 BN71A4	A303_120.5 P71 BE71A4	311
11.5	190	3.0	116.9	12000	A353_116.9 S05 M05C4	A353_116.9 S1 ME1SA4	314	A353_116.9 P71 BN71A4	A353_116.9 P71 BE71A4	315
12.6	172	1.2	109.2	6200	A203_109.2 S05 M05C4	A203_109.2 S1 ME1SA4	306	A203_109.2 P71 BN71A4	A203_109.2 P71 BE71A4	307
12.7	172	1.7	109.1	9600	A303_109.1 S05 M05C4	A303_109.1 S1 ME1SA4	310	A303_109.1 P71 BN71A4	A303_109.1 P71 BE71A4	311
12.7	171	3.1	105.5	12000	A353_105.5 S05 M05C4	A353_105.5 S1 ME1SA4	314	A353_105.5 P71 BN71A4	A353_105.5 P71 BE71A4	315
14.2	159	1.9	97.5	9600				A302_97.5 P71 BN71A4	A302_97.5 P71 BE71A4	311
14.4	156	3.5	95.6	12000				A352_95.6 P71 BN71A4	A352_95.6 P71 BE71A4	315
14.5	155	1.3	92.3	6200	A202_92.3 S05 M05C4	A202_92.3 S1 ME1SA4	306	A202_92.3 P71 BN71A4	A202_92.3 P71 BE71A4	307
15.9	141	2.3	86.7	9600				A302_86.7 P71 BN71A4	A302_86.7 P71 BE71A4	311
16.8	134	1.6	79.9	6200	A202_79.9 S05 M05C4	A202_79.9 S1 ME1SA4	306	A202_79.9 P71 BN71A4	A202_79.9 P71 BE71A4	307
17.5	128	1.2	76.4	5500	A102_76.4 S05 M05C4	A102_76.4 S1 ME1SA4	302	A102_76.4 P71 BN71A4	A102_76.4 P71 BE71A4	303
18.0	125	2.8	76.5	9600				A302_76.5 P71 BN71A4	A302_76.5 P71 BE71A4	311
19.4	116	1.8	71.0	6200	A202_71.0 S05 M05C4	A202_71.0 S1 ME1SA4	306	A202_71.0 P71 BN71A4	A202_71.0 P71 BE71A4	307
20.3	110	0.9	65.9	3610	A052_65.9 S05 M05C4	A052_65.9 S1 ME1SA4	299	A052_65.9 P71 BN71A4	A052_65.9 P71 BE71A4	299
20.3	110	1.4	65.9	5500	A102_65.9 S05 M05C4	A102_65.9 S1 ME1SA4	302	A102_65.9 P71 BN71A4	A102_65.9 P71 BE71A4	303
21.2	106	2.3	63.1	6200	A202_63.1 S05 M05C4	A202_63.1 S1 ME1SA4	306	A202_63.1 P71 BN71A4	A202_63.1 P71 BE71A4	307
22.9	98	1.0	58.6	3540	A052_58.6 S05 M05C4	A052_58.6 S1 ME1SA4	299	A052_58.6 P71 BN71A4	A052_58.6 P71 BE71A4	299
23.5	95	1.6	58.6	5500	A102_58.6 S05 M05C4	A102_58.6 S1 ME1SA4	302	A102_58.6 P71 BN71A4	A102_58.6 P71 BE71A4	303



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n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE1	IE2		IE1	IE2	
25.0	90	2.8	53.7	6200	A202_53.7 S05 M05C4	A202_53.7 S1 ME1SA4	306	A202_53.7 P71 BN71A4	A202_53.7 P71 BE71A4	307
26.1	86	1.2	51.3	3450	A052_51.3 S05 M05C4	A052_51.3 S1 ME1SA4	299	A052_51.3 P71 BN71A4	A052_51.3 P71 BE71A4	299
26.1	86	1.7	51.3	5500	A102_51.3 S05 M05C4	A102_51.3 S1 ME1SA4	302	A102_51.3 P71 BN71A4	A102_51.3 P71 BE71A4	303
28.6	79	3.2	48.3	6180	A202_48.3 S05 M05C4	A202_48.3 S1 ME1SA4	306	A202_48.3 P71 BN71A4	A202_48.3 P71 BE71A4	307
29.5	76	1.3	45.4	3370	A052_45.4 S05 M05C4	A052_45.4 S1 ME1SA4	299	A052_45.4 P71 BN71A4	A052_45.4 P71 BE71A4	299
29.5	76	2.0	45.4	5500	A102_45.4 S05 M05C4	A102_45.4 S1 ME1SA4	302	A102_45.4 P71 BN71A4	A102_45.4 P71 BE71A4	303
33	68	1.5	40.9	3290	A052_40.9 S05 M05C4	A052_40.9 S1 ME1SA4	299	A052_40.9 P71 BN71A4	A052_40.9 P71 BE71A4	299
34	66	2.3	40.9	5500	A102_40.9 S05 M05C4	A102_40.9 S1 ME1SA4	302	A102_40.9 P71 BN71A4	A102_40.9 P71 BE71A4	303
38	59	1.7	35.1	3180	A052_35.1 S05 M05C4	A052_35.1 S1 ME1SA4	299	A052_35.1 P71 BN71A4	A052_35.1 P71 BE71A4	299
38	59	2.5	35.1	5260	A102_35.1 S05 M05C4	A102_35.1 S1 ME1SA4	302	A102_35.1 P71 BN71A4	A102_35.1 P71 BE71A4	303
42	54	1.9	32.2	3120	A052_32.2 S05 M05C4	A052_32.2 S1 ME1SA4	299	A052_32.2 P71 BN71A4	A052_32.2 P71 BE71A4	299
43	52	2.9	32.2	5500	A102_32.2 S05 M05C4	A102_32.2 S1 ME1SA4	302	A102_32.2 P71 BN71A4	A102_32.2 P71 BE71A4	303
47	48	2.1	28.6	3030	A052_28.6 S05 M05C4	A052_28.6 S1 ME1SA4	299	A052_28.6 P71 BN71A4	A052_28.6 P71 BE71A4	299
47	48	3.1	28.6	4970	A102_28.6 S05 M05C4	A102_28.6 S1 ME1SA4	302	A102_28.6 P71 BN71A4	A102_28.6 P71 BE71A4	303
53	43	2.3	25.5	2940	A052_25.5 S05 M05C4	A052_25.5 S1 ME1SA4	299	A052_25.5 P71 BN71A4	A052_25.5 P71 BE71A4	299
56	40	2.5	23.8	2890	A052_23.8 S05 M05C4	A052_23.8 S1 ME1SA4	299	A052_23.8 P71 BN71A4	A052_23.8 P71 BE71A4	299
63	36	2.8	21.4	2810	A052_21.4 S05 M05C4	A052_21.4 S1 ME1SA4	299	A052_21.4 P71 BN71A4	A052_21.4 P71 BE71A4	299
72	31	3.2	18.6	2710	A052_18.6 S05 M05C4	A052_18.6 S1 ME1SA4	299	A052_18.6 P71 BN71A4	A052_18.6 P71 BE71A4	299
84	27	3.7	16.4	2620	A052_16.4 S05 M05C4	A052_16.4 S1 ME1SA4	299	A052_16.4 P71 BN71A4	A052_16.4 P71 BE71A4	299
99	23	4.4	13.9	2500	A052_13.9 S05 M05C4	A052_13.9 S1 ME1SA4	299	A052_13.9 P71 BN71A4	A052_13.9 P71 BE71A4	299
112	20	5.0	12.3	2420	A052_12.3 S05 M05C4	A052_12.3 S1 ME1SA4	299	A052_12.3 P71 BN71A4	A052_12.3 P71 BE71A4	299
131	17.2	5.8	10.6	2310	A052_10.6 S05 M05C4	A052_10.6 S1 ME1SA4	299	A052_10.6 P71 BN71A4	A052_10.6 P71 BE71A4	299
144	15.7	6.4	9.6	2260	A052_9.6 S05 M05C4	A052_9.6 S1 ME1SA4	299	A052_9.6 P71 BN71A4	A052_9.6 P71 BE71A4	299
162	13.9	7.2	8.5	2180	A052_8.5 S05 M05C4	A052_8.5 S1 ME1SA4	299	A052_8.5 P71 BN71A4	A052_8.5 P71 BE71A4	299
191	11.7	8.5	7.2	2070	A052_7.2 S05 M05C4	A052_7.2 S1 ME1SA4	299	A052_7.2 P71 BN71A4	A052_7.2 P71 BE71A4	299
218	10.3	9.7	6.3	1990	A052_6.3 S05 M05C4	A052_6.3 S1 ME1SA4	299	A052_6.3 P71 BN71A4	A052_6.3 P71 BE71A4	299
252	8.9	10.7	5.5	1900	A052_5.5 S05 M05C4	A052_5.5 S1 ME1SA4	299	A052_5.5 P71 BN71A4	A052_5.5 P71 BE71A4	299
285	7.9	12.1	9.6	1820	A052_9.6 S05 M05B2		299	A052_9.6 P63 BN63B2		299
322	7.0	12.9	8.5	1750	A052_8.5 S05 M05B2		299	A052_8.5 P63 BN63B2		299
380	5.9	14.4	7.2	1660	A052_7.2 S05 M05B2		299	A052_7.2 P63 BN63B2		299
433	5.2	15.4	6.3	1590	A052_6.3 S05 M05B2		299	A052_6.3 P63 BN63B2		299
501	4.5	16.7	5.5	1520	A052_5.5 S05 M05B2		299	A052_5.5 P63 BN63B2		299

0.25 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3		 IEC 	
0.52	4051	1.2	1715	50000				
0.58	3680	2.2	1558	65000				
0.67	3165	2.5	1340	65000				
0.80	2642	1.9	1715	50000			A704_1715 P71 BXN71MA4	335
0.87	2439	2.1	1583	50000			A704_1583 P71 BXN71MA4	335
0.89	2400	3.3	1558	65000			A804_1558 P71 BXN71MA4	338
1.0	2073	2.4	1346	50000			A704_1346 P71 BXN71MA4	335
1.1	1914	2.6	1242	50000			A704_1242 P71 BXN71MA4	335
1.2	1789	2.8	1161	50000			A704_1161 P71 BXN71MA4	335
1.3	1652	3.0	1072	50000			A704_1072 P71 BXN71MA4	335
1.5	1427	3.5	926.5	50000			A704_926.5 P71 BXN71MA4	335
1.8	1199	1.3	778.2	20000			A504_778.2 P71 BXN71MA4	323
1.8	1164	2.4	755.4	30000			A604_755.4 P71 BXN71MA4	331
1.9	1091	1.4	707.9	20000			A504_707.9 P71 BXN71MA4	323
2.0	1074	2.6	697.3	30000			A604_697.3 P71 BXN71MA4	331
2.2	978	2.9	634.6	30000			A604_634.6 P71 BXN71MA4	331
2.2	972	1.5	631.2	20000			A504_631.2 P71 BXN71MA4	323
2.4	902	3.1	585.8	30000			A604_585.8 P71 BXN71MA4	331
2.4	885	1.7	574.2	20000			A504_574.2 P71 BXN71MA4	323
2.5	835	3.4	542.0	30000			A604_542.0 P71 BXN71MA4	331
2.6	816	1.8	529.5	20000			A504_529.5 P71 BXN71MA4	323
2.9	742	2.0	481.6	20000			A504_481.6 P71 BXN71MA4	323
3.1	688	2.2	446.8	20000			A504_446.8 P71 BXN71MA4	323
3.4	626	2.4	406.4	20000			A504_406.4 P71 BXN71MA4	323
3.6	611	1.4	376.8	15000	A413_376.8 S10 MXN10MA4	318	A413_376.8 P71 BXN71MA4	319







0.25 kW






n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IEC	 IE3	
3.8	563	2.7	365.6	20000			A504_365.6 P71 BXN71MA4	323
3.9	550	0.9	339.3	12000	A353_339.3 S10 MXN10MA4	314	A353_339.3 P71 BXN71MA4	315
4.1	526	1.6	324.2	15000	A413_324.2 S10 MXN10MA4	318	A413_324.2 P71 BXN71MA4	319
4.1	512	2.9	332.6	20000			A504_332.6 P71 BXN71MA4	323
4.4	495	1.2	305.4	12000	A353_305.4 S10 MXN10MA4	314	A353_305.4 P71 BXN71MA4	315
4.7	460	1.8	291.7	15000	A413_291.7 S10 MXN10MA4	318	A413_291.7 P71 BXN71MA4	319
4.8	442	3.4	286.8	20000			A504_286.8 P71 BXN71MA4	323
4.9	440	0.9	271.5	9600	A303_271.5 S10 MXN10MA4	310	A303_271.5 P71 BXN71MA4	311
5.0	439	1.4	270.7	12000	A353_270.7 S10 MXN10MA4	314	A353_270.7 P71 BXN71MA4	315
5.1	426	2.0	262.5	15000	A413_262.5 S10 MXN10MA4	318	A413_262.5 P71 BXN71MA4	319
5.4	403	1.5	248.1	12000	A353_248.1 S10 MXN10MA4	314	A353_248.1 P71 BXN71MA4	315
5.6	385	1.0	244.3	9600	A303_244.3 S10 MXN10MA4	310	A303_244.3 P71 BXN71MA4	311
5.7	379	2.2	240.6	15000	A413_240.6 S10 MXN10MA4	318	A413_240.6 P71 BXN71MA4	319
6.0	362	1.7	223.2	12000	A353_223.2 S10 MXN10MA4	314	A353_223.2 P71 BXN71MA4	315
6.2	353	2.4	217.4	15000	A413_217.4 S10 MXN10MA4	318	A413_217.4 P71 BXN71MA4	319
6.2	351	1.0	216.6	9600	A303_216.6 S10 MXN10MA4	310	A303_216.6 P71 BXN71MA4	311
6.6	327	1.8	201.8	12000	A353_201.8 S10 MXN10MA4	314	A353_201.8 P71 BXN71MA4	315
7.0	313	1.1	198.5	9600	A303_198.5 S10 MXN10MA4	310	A303_198.5 P71 BXN71MA4	311
7.0	311	2.7	197.5	15000	A413_197.5 S10 MXN10MA4	318	A413_197.5 P71 BXN71MA4	319
7.1	306	2.0	188.3	12000	A353_188.3 S10 MXN10MA4	314	A353_188.3 P71 BXN71MA4	315
7.3	299	2.8	184.4	15000	A413_184.4 S10 MXN10MA4	318	A413_184.4 P71 BXN71MA4	319
7.5	290	1.2	178.5	9600	A303_178.5 S10 MXN10MA4	310	A303_178.5 P71 BXN71MA4	311
7.8	279	2.2	171.8	12000	A353_171.8 S10 MXN10MA4	314	A353_171.8 P71 BXN71MA4	315
8.4	257	0.9	163.4	6200	A203_163.4 S10 MXN10MA4	306	A203_163.4 P71 BXN71MA4	307
8.5	254	1.3	161.4	9600	A303_161.4 S10 MXN10MA4	310	A303_161.4 P71 BXN71MA4	311
8.9	244	1.4	150.7	9600	A303_150.7 S10 MXN10MA4	310	A303_150.7 P71 BXN71MA4	311
8.9	244	2.5	150.6	12000	A353_150.6 S10 MXN10MA4	314	A353_150.6 P71 BXN71MA4	315
9.2	237	1.0	146.1	6200	A203_146.1 S10 MXN10MA4	306	A203_146.1 P71 BXN71MA4	307
9.8	221	2.6	136.3	12000	A353_136.3 S10 MXN10MA4	314	A353_136.3 P71 BXN71MA4	315
10.0	216	1.5	137.4	9600	A303_137.4 S10 MXN10MA4	310	A303_137.4 P71 BXN71MA4	311
10.7	203	1.1	129.1	6200	A203_129.1 S10 MXN10MA4	306	A203_129.1 P71 BXN71MA4	307
11.1	196	1.1	120.5	6200	A203_120.5 S10 MXN10MA4	306	A203_120.5 P71 BXN71MA4	307
11.1	195	1.5	120.5	9600	A303_120.5 S10 MXN10MA4	310	A303_120.5 P71 BXN71MA4	311
11.5	190	3.0	116.9	12000	A353_116.9 S10 MXN10MA4	314	A353_116.9 P71 BXN71MA4	315
12.6	172	1.2	109.2	6200	A203_109.2 S10 MXN10MA4	306	A203_109.2 P71 BXN71MA4	307
12.7	172	1.7	109.1	9600	A303_109.1 S10 MXN10MA4	310	A303_109.1 P71 BXN71MA4	311
12.7	171	3.1	105.5	12000	A353_105.5 S10 MXN10MA4	314	A353_105.5 P71 BXN71MA4	315
14.2	159	1.9	97.5	9600			A302_97.5 P71 BXN71MA4	311
14.4	156	3.5	95.6	12000			A352_95.6 P71 BXN71MA4	315
14.5	155	1.3	92.3	6200	A202_92.3 S10 MXN10MA4	306	A202_92.3 P71 BXN71MA4	307
15.9	141	2.3	86.7	9600			A302_86.7 P71 BXN71MA4	311
16.8	134	1.6	79.9	6200	A202_79.9 S10 MXN10MA4	306	A202_79.9 P71 BXN71MA4	307
17.5	128	1.2	76.4	5500	A102_76.4 S10 MXN10MA4	302	A102_76.4 P71 BXN71MA4	303
18.0	125	2.8	76.5	9600			A302_76.5 P71 BXN71MA4	311
19.4	116	1.8	71.0	6200	A202_71.0 S10 MXN10MA4	306	A202_71.0 P71 BXN71MA4	307
20.3	110	0.9	65.9	3610			A052_65.9 P71 BXN71MA4	299
20.3	110	1.4	65.9	5500	A102_65.9 S10 MXN10MA4	302	A102_65.9 P71 BXN71MA4	303
21.2	106	2.3	63.1	6200	A202_63.1 S10 MXN10MA4	306	A202_63.1 P71 BXN71MA4	307
22.9	98	1.0	58.6	3540			A052_58.6 P71 BXN71MA4	299
23.5	95	1.6	58.6	5500	A102_58.6 S10 MXN10MA4	302	A102_58.6 P71 BXN71MA4	303
25.0	90	2.8	53.7	6200	A202_53.7 S10 MXN10MA4	306	A202_53.7 P71 BXN71MA4	307
26.1	86	1.2	51.3	3450			A052_51.3 P71 BXN71MA4	299
26.1	86	1.7	51.3	5500	A102_51.3 S10 MXN10MA4	302	A102_51.3 P71 BXN71MA4	303
28.6	79	3.2	48.3	6180	A202_48.3 S10 MXN10MA4	306	A202_48.3 P71 BXN71MA4	307
29.5	76	1.3	45.4	3370			A052_45.4 P71 BXN71MA4	299
29.5	76	2.0	45.4	5500	A102_45.4 S10 MXN10MA4	302	A102_45.4 P71 BXN71MA4	303
33	68	1.5	40.9	3290	A052_40.9 S10 MXN10MA4	299	A052_40.9 P71 BXN71MA4	299
34	66	2.3	40.9	5500	A102_40.9 S10 MXN10MA4	302	A102_40.9 P71 BXN71MA4	303
38	59	1.7	35.1	3180			A052_35.1 P71 BXN71MA4	299
38	59	2.5	35.1	5260	A102_35.1 S10 MXN10MA4	302	A102_35.1 P71 BXN71MA4	303
42	54	1.9	32.2	3120			A052_32.2 P71 BXN71MA4	299
43	52	2.9	32.2	5500	A102_32.2 S10 MXN10MA4	302	A102_32.2 P71 BXN71MA4	303
47	48	2.1	28.6	3030			A052_28.6 P71 BXN71MA4	299
47	48	3.1	28.6	4970	A102_28.6 S10 MXN10MA4	302	A102_28.6 P71 BXN71MA4	303
53	43	2.3	25.5	2940			A052_25.5 P71 BXN71MA4	299



0.25 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3	
56	40	2.5	23.8	2890			A052_23.8 P71 BXXN71MA4	299
63	36	2.8	21.4	2810			A052_21.4 P71 BXXN71MA4	299
72	31	3.2	18.6	2710			A052_18.6 P71 BXXN71MA4	299
84	27	3.7	16.4	2620			A052_16.4 P71 BXXN71MA4	299
99	23	4.4	13.9	2500			A052_13.9 P71 BXXN71MA4	299
112	20	5.0	12.3	2420			A052_12.3 P71 BXXN71MA4	299
131	17.2	5.8	10.6	2310			A052_10.6 P71 BXXN71MA4	299
144	15.7	6.4	9.6	2260			A052_9.6 P71 BXXN71MA4	299
162	13.9	7.2	8.5	2180			A052_8.5 P71 BXXN71MA4	299
191	11.7	8.5	7.2	2070			A052_7.2 P71 BXXN71MA4	299
218	10.3	9.7	6.3	1990			A052_6.3 P71 BXXN71MA4	299
252	8.9	10.7	5.5	1900			A052_5.5 P71 BXXN71MA4	299
285	7.9	12.1	9.6	1820				
322	7.0	12.9	8.5	1750				
380	5.9	14.4	7.2	1660				
433	5.2	15.4	6.3	1590				
501	4.5	16.7	5.5	1520				

0.37 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1	 IE2	 IE1	 IE2	
0.56	5644	2.5	1632	75000	A904_1632 S1 M1LA6		340	A904_1632 P80 BN80A6	341
0.63	4972	1.6	1438	65000	A804_1438 S1 M1LA6		337	A804_1438 P80 BN80A6	338
0.74	4226	3.3	1222	75000	A904_1222 S1 M1LA6		340	A904_1222 P80 BN80A6	341
0.80	3939	1.3	1715	50000	A704_1715 S1 M1SD4	A704_1715 S1 ME1SB4	334	A704_1715 P71 BN71B4	335
0.87	3636	1.4	1583	50000	A704_1583 S1 M1SD4	A704_1583 S1 ME1SB4	334	A704_1583 P71 BN71B4	335
0.88	3577	2.2	1558	65000	A804_1558 S1 M1SD4	A804_1558 S1 ME1SB4	337	A804_1558 P71 BN71B4	338
0.95	3302	2.4	1438	65000	A804_1438 S1 M1SD4	A804_1438 S1 ME1SB4	337	A804_1438 P71 BN71B4	338
1.0	3091	1.6	1346	50000	A704_1346 S1 M1SD4	A704_1346 S1 ME1SB4	334	A704_1346 P71 BN71B4	335
1.0	3077	2.6	1340	65000	A804_1340 S1 M1SD4	A804_1340 S1 ME1SB4	337	A804_1340 P71 BN71B4	338
1.1	2853	1.8	1242	50000	A704_1242 S1 M1SD4	A704_1242 S1 ME1SB4	334	A704_1242 P71 BN71B4	335
1.1	2841	2.8	1237	65000	A804_1237 S1 M1SD4	A804_1237 S1 ME1SB4	337	A804_1237 P71 BN71B4	338
1.2	2668	1.9	1161	50000	A704_1161 S1 M1SD4	A704_1161 S1 ME1SB4	334	A704_1161 P71 BN71B4	335
1.3	2492	3.2	1085	65000	A804_1085 S1 M1SD4	A804_1085 S1 ME1SB4	337	A804_1085 P71 BN71B4	338
1.3	2462	2.0	1072	50000	A704_1072 S1 M1SD4	A704_1072 S1 ME1SB4	334	A704_1072 P71 BN71B4	335
1.4	2300	3.5	1001	65000	A804_1001 S1 M1SD4	A804_1001 S1 ME1SB4	337	A804_1001 P71 BN71B4	338
1.5	2128	2.3	926.5	50000	A704_926.5 S1 M1SD4	A704_926.5 S1 ME1SB4	334	A704_926.5 P71 BN71B4	335
1.6	1964	2.5	855.3	50000	A704_855.3 S1 M1SD4	A704_855.3 S1 ME1SB4	334	A704_855.3 P71 BN71B4	335
1.8	1754	2.8	763.9	50000	A704_763.9 S1 M1SD4	A704_763.9 S1 ME1SB4	334	A704_763.9 P71 BN71B4	335
1.8	1735	1.6	755.4	30000	A604_755.4 S1 M1SD4	A604_755.4 S1 ME1SB4	330	A604_755.4 P71 BN71B4	331
1.9	1626	0.9	707.9	20000	A504_707.9 S1 M1SD4	A504_707.9 S1 ME1SB4	322	A504_707.9 P71 BN71B4	323
1.9	1619	3.1	705.1	50000	A704_705.1 S1 M1SD4	A704_705.1 S1 ME1SB4	334	A704_705.1 P71 BN71B4	335
2.0	1601	1.7	697.3	30000	A604_697.3 S1 M1SD4	A604_697.3 S1 ME1SB4	330	A604_697.3 P71 BN71B4	331
2.1	1481	3.4	644.6	50000	A704_644.6 S1 M1SD4	A704_644.6 S1 ME1SB4	334	A704_644.6 P71 BN71B4	335
2.2	1457	1.9	634.6	30000	A604_634.6 S1 M1SD4	A604_634.6 S1 ME1SB4	330	A604_634.6 P71 BN71B4	331
2.2	1450	1.0	631.2	20000	A504_631.2 S1 M1SD4	A504_631.2 S1 ME1SB4	322	A504_631.2 P71 BN71B4	323
2.3	1345	2.1	585.8	30000	A604_585.8 S1 M1SD4	A604_585.8 S1 ME1SB4	330	A604_585.8 P71 BN71B4	331
2.4	1319	1.1	574.2	20000	A504_574.2 S1 M1SD4	A504_574.2 S1 ME1SB4	322	A504_574.2 P71 BN71B4	323
2.5	1245	2.2	542.0	30000	A604_542.0 S1 M1SD4	A604_542.0 S1 ME1SB4	330	A604_542.0 P71 BN71B4	331
2.6	1216	1.2	529.5	20000	A504_529.5 S1 M1SD4	A504_529.5 S1 ME1SB4	322	A504_529.5 P71 BN71B4	323
2.7	1149	2.4	500.3	30000	A604_500.3 S1 M1SD4	A604_500.3 S1 ME1SB4	330	A604_500.3 P71 BN71B4	331
2.8	1106	1.4	481.6	20000	A504_481.6 S1 M1SD4	A504_481.6 S1 ME1SB4	322	A504_481.6 P71 BN71B4	323
3.1	1026	1.5	446.8	20000	A504_446.8 S1 M1SD4	A504_446.8 S1 ME1SB4	322	A504_446.8 P71 BN71B4	323
3.1	1007	2.8	438.4	30000	A604_438.4 S1 M1SD4	A604_438.4 S1 ME1SB4	330	A604_438.4 P71 BN71B4	331
3.4	933	1.6	406.4	20000	A504_406.4 S1 M1SD4	A504_406.4 S1 ME1SB4	322	A504_406.4 P71 BN71B4	323
3.4	929	3.0	404.7	30000	A604_404.7 S1 M1SD4	A604_404.7 S1 ME1SB4	330	A604_404.7 P71 BN71B4	331
3.6	885	1.0	376.8	15000	A413_376.8 S1 M1SD4	A413_376.8 S1 ME1SB4	318	A413_376.8 P71 BN71B4	319
3.7	840	1.8	365.6	20000	A504_365.6 S1 M1SD4	A504_365.6 S1 ME1SB4	322	A504_365.6 P71 BN71B4	323
3.9	807	3.5	351.2	30000	A604_351.2 S1 M1SD4	A604_351.2 S1 ME1SB4	330	A604_351.2 P71 BN71B4	331
4.1	764	2.0	332.6	20000	A504_332.6 S1 M1SD4	A504_332.6 S1 ME1SB4	322	A504_332.6 P71 BN71B4	323
4.2	761	1.1	324.2	15000	A413_324.2 S1 M1SD4	A413_324.2 S1 ME1SB4	318	A413_324.2 P71 BN71B4	319







0.37 kW

n ₂	M ₂	S	i	R _{n2}						
min ⁻¹	Nm			N	IE1	IE2		IE1	IE2	
4.7	685	1.2	291.7	15000	A413_291.7 S1 M1SD4	A413_291.7 S1 ME1SB4	318	A413_291.7 P71 BN71B4	A413_291.7 P71 BE71B4	319
4.8	659	2.3	286.8	20000	A504_286.8 S1 M1SD4	A504_286.8 S1 ME1SB4	322	A504_286.8 P71 BN71B4	A504_286.8 P71 BE71B4	323
5.1	636	0.9	270.7	12000	A353_270.7 S1 M1SD4	A353_270.7 S1 ME1SB4	314	A353_270.7 P71 BN71B4	A353_270.7 P71 BE71B4	315
5.2	616	1.4	262.5	15000	A413_262.5 S1 M1SD4	A413_262.5 S1 ME1SB4	318	A413_262.5 P71 BN71B4	A413_262.5 P71 BE71B4	319
5.3	599	2.5	260.9	20000	A504_260.9 S1 M1SD4	A504_260.9 S1 ME1SB4	322	A504_260.9 P71 BN71B4	A504_260.9 P71 BE71B4	323
5.5	583	1.0	248.1	12000	A353_248.1 S1 M1SD4	A353_248.1 S1 ME1SB4	314	A353_248.1 P71 BN71B4	A353_248.1 P71 BE71B4	315
5.7	565	1.5	240.6	15000	A413_240.6 S1 M1SD4	A413_240.6 S1 ME1SB4	318	A413_240.6 P71 BN71B4	A413_240.6 P71 BE71B4	319
5.9	533	2.8	232.0	20000	A504_232.0 S1 M1SD4	A504_232.0 S1 ME1SB4	322	A504_232.0 P71 BN71B4	A504_232.0 P71 BE71B4	323
6.1	524	1.1	223.2	12000	A353_223.2 S1 M1SD4	A353_223.2 S1 ME1SB4	314	A353_223.2 P71 BN71B4	A353_223.2 P71 BE71B4	315
6.3	511	1.7	217.4	15000	A413_217.4 S1 M1SD4	A413_217.4 S1 ME1SB4	318	A413_217.4 P71 BN71B4	A413_217.4 P71 BE71B4	319
6.5	485	3.1	211.0	20000	A504_211.0 S1 M1SD4	A504_211.0 S1 ME1SB4	322	A504_211.0 P71 BN71B4	A504_211.0 P71 BE71B4	323
6.8	474	1.3	201.8	12000	A353_201.8 S1 M1SD4	A353_201.8 S1 ME1SB4	314	A353_201.8 P71 BN71B4	A353_201.8 P71 BE71B4	315
6.9	464	1.8	197.5	15000	A413_197.5 S1 M1SD4	A413_197.5 S1 ME1SB4	318	A413_197.5 P71 BN71B4	A413_197.5 P71 BE71B4	319
7.2	448	3.4	190.6	20000	A503_190.6 S1 M1SD4	A503_190.6 S1 ME1SB4	322	A503_190.6 P71 BN71B4	A503_190.6 P71 BE71B4	323
7.3	442	1.4	188.3	12000	A353_188.3 S1 M1SD4	A353_188.3 S1 ME1SB4	314	A353_188.3 P71 BN71B4	A353_188.3 P71 BE71B4	315
7.4	433	2.0	184.4	15000	A413_184.4 S1 M1SD4	A413_184.4 S1 ME1SB4	318	A413_184.4 P71 BN71B4	A413_184.4 P71 BE71B4	319
8.0	403	1.5	171.8	12000	A353_171.8 S1 M1SD4	A353_171.8 S1 ME1SB4	314	A353_171.8 P71 BN71B4	A353_171.8 P71 BE71B4	315
9.1	354	0.9	150.7	9600	A303_150.7 S1 M1SD4	A303_150.7 S1 ME1SB4	310	A303_150.7 P71 BN71B4	A303_150.7 P71 BE71B4	311
9.1	354	1.7	150.6	12000	A353_150.6 S1 M1SD4	A353_150.6 S1 ME1SB4	314	A353_150.6 P71 BN71B4	A353_150.6 P71 BE71B4	315
9.3	345	2.5	146.9	15000	A413_146.9 S1 M1SD4	A413_146.9 S1 ME1SB4	318	A413_146.9 P71 BN71B4	A413_146.9 P71 BE71B4	319
10.0	323	1.0	137.4	9600	A303_137.4 S1 M1SD4	A303_137.4 S1 ME1SB4	310	A303_137.4 P71 BN71B4	A303_137.4 P71 BE71B4	311
10.0	320	1.8	136.3	12000	A353_136.3 S1 M1SD4	A353_136.3 S1 ME1SB4	314	A353_136.3 P71 BN71B4	A353_136.3 P71 BE71B4	315
11.4	283	1.1	120.5	9600	A303_120.5 S1 M1SD4	A303_120.5 S1 ME1SB4	310	A303_120.5 P71 BN71B4	A303_120.5 P71 BE71B4	311
11.7	275	2.0	116.9	12000	A353_116.9 S1 M1SD4	A353_116.9 S1 ME1SB4	314	A353_116.9 P71 BN71B4	A353_116.9 P71 BE71B4	315
11.8	272	3.1	115.9	15000	A413_115.9 S1 M1SD4	A413_115.9 S1 ME1SB4	318	A413_115.9 P71 BN71B4	A413_115.9 P71 BE71B4	319
12.6	256	1.2	109.1	9600	A303_109.1 S1 M1SD4	A303_109.1 S1 ME1SB4	310	A303_109.1 P71 BN71B4	A303_109.1 P71 BE71B4	311
13.0	248	2.1	105.5	12000	A353_105.5 S1 M1SD4	A353_105.5 S1 ME1SB4	314	A353_105.5 P71 BN71B4	A353_105.5 P71 BE71B4	315
14.1	237	1.3	97.5	9600				A302_97.5 P71 BN71B4	A302_97.5 P71 BE71B4	311
14.3	232	2.3	95.6	12000	A352_95.6 S1 M1SD4	A352_95.6 S1 ME1SB4	314	A352_95.6 P71 BN71B4	A352_95.6 P71 BE71B4	315
15.8	210	1.5	86.7	9600				A302_86.7 P71 BN71B4	A302_86.7 P71 BE71B4	311
16.6	200	3.0	82.5	12000	A352_82.5 S1 M1SD4	A352_82.5 S1 ME1SB4	314	A352_82.5 P71 BN71B4	A352_82.5 P71 BE71B4	315
17.2	194	1.1	79.9	6200				A202_79.9 P71 BN71B4	A202_79.9 P71 BE71B4	307
17.9	186	1.9	76.5	9600	A302_76.5 S1 M1SD4	A302_76.5 S1 ME1SB4	310	A302_76.5 P71 BN71B4	A302_76.5 P71 BE71B4	311
18.4	180	3.3	74.3	12000	A352_74.3 S1 M1SD4	A352_74.3 S1 ME1SB4	314	A352_74.3 P71 BN71B4	A352_74.3 P71 BE71B4	315
19.3	172	1.2	71.0	6200				A202_71.0 P71 BN71B4	A202_71.0 P71 BE71B4	307
20.7	160	2.4	66.0	9350	A302_66.0 S1 M1SD4	A302_66.0 S1 ME1SB4	310	A302_66.0 P71 BN71B4	A302_66.0 P71 BE71B4	311
20.8	160	0.9	65.9	5500				A102_65.9 P71 BN71B4	A102_65.9 P71 BE71B4	303
21.7	153	1.6	63.1	6200	A202_63.1 S1 M1SD4	A202_63.1 S1 ME1SB4	306	A202_63.1 P71 BN71B4	A202_63.1 P71 BE71B4	307
23.1	144	2.8	59.4	9080	A302_59.4 S1 M1SD4	A302_59.4 S1 ME1SB4	310	A302_59.4 P71 BN71B4	A302_59.4 P71 BE71B4	311
23.4	142	1.1	58.6	5500				A102_58.6 P71 BN71B4	A102_58.6 P71 BE71B4	303
25.5	130	1.9	53.7	6090	A202_53.7 S1 M1SD4	A202_53.7 S1 ME1SB4	306	A202_53.7 P71 BN71B4	A202_53.7 P71 BE71B4	307
26.0	128	3.2	52.7	8790	A302_52.7 S1 M1SD4	A302_52.7 S1 ME1SB4	310	A302_52.7 P71 BN71B4	A302_52.7 P71 BE71B4	311
26.7	124	1.2	51.3	5490	A102_51.3 S1 M1SD4	A102_51.3 S1 ME1SB4	302	A102_51.3 P71 BN71B4	A102_51.3 P71 BE71B4	303
28.4	117	2.1	48.3	5940	A202_48.3 S1 M1SD4	A202_48.3 S1 ME1SB4	306	A202_48.3 P71 BN71B4	A202_48.3 P71 BE71B4	307
28.4	117	3.5	48.3	8580	A302_48.3 S1 M1SD4	A302_48.3 S1 ME1SB4	310	A302_48.3 P71 BN71B4	A302_48.3 P71 BE71B4	311
30	110	0.9	45.4	3060	A052_45.4 S1 M1SD4	A052_45.4 S1 ME1SB4	299	A052_45.4 P71 BN71B4	A052_45.4 P71 BE71B4	299
30	110	1.4	45.4	5350	A102_45.4 S1 M1SD4	A102_45.4 S1 ME1SB4	302	A102_45.4 P71 BN71B4	A102_45.4 P71 BE71B4	303
32	105	2.4	43.2	5780	A202_43.2 S1 M1SD4	A202_43.2 S1 ME1SB4	306	A202_43.2 P71 BN71B4	A202_43.2 P71 BE71B4	307
34	99	1.0	40.9	3020	A052_40.9 S1 M1SD4	A052_40.9 S1 ME1SB4	299	A052_40.9 P71 BN71B4	A052_40.9 P71 BE71B4	299
34	99	1.5	40.9	5500	A102_40.9 S1 M1SD4	A102_40.9 S1 ME1SB4	302	A102_40.9 P71 BN71B4	A102_40.9 P71 BE71B4	303
35	96	2.6	39.6	5650	A202_39.6 S1 M1SD4	A202_39.6 S1 ME1SB4	306	A202_39.6 P71 BN71B4	A202_39.6 P71 BE71B4	307
39	86	2.9	35.4	5480	A202_35.4 S1 M1SD4	A202_35.4 S1 ME1SB4	306	A202_35.4 P71 BN71B4	A202_35.4 P71 BE71B4	307
39	85	1.2	35.1	2950	A052_35.1 S1 M1SD4	A052_35.1 S1 ME1SB4	299	A052_35.1 P71 BN71B4	A052_35.1 P71 BE71B4	299
39	85	1.8	35.1	5040	A102_35.1 S1 M1SD4	A102_35.1 S1 ME1SB4	302	A102_35.1 P71 BN71B4	A102_35.1 P71 BE71B4	303
43	78	1.3	32.2	2900	A052_32.2 S1 M1SD4	A052_32.2 S1 ME1SB4	299	A052_32.2 P71 BN71B4	A052_32.2 P71 BE71B4	299
43	78	1.9	32.2	5500	A102_32.2 S1 M1SD4	A102_32.2 S1 ME1SB4	302	A102_32.2 P71 BN71B4	A102_32.2 P71 BE71B4	303
44	76	3.3	31.3	5310	A202_31.3 S1 M1SD4	A202_31.3 S1 ME1SB4	306	A202_31.3 P71 BN71B4	A202_31.3 P71 BE71B4	307
47	71	3.5	29.2	5210	A202_29.2 S1 M1SD4	A202_29.2 S1 ME1SB4	306	A202_29.2 P71 BN71B4	A202_29.2 P71 BE71B4	307
48	69	1.4	28.6	2840	A052_28.6 S1 M1SD4	A052_28.6 S1 ME1SB4	299	A052_28.6 P71 BN71B4	A052_28.6 P71 BE71B4	299
48	69	2.2	28.6	4790	A102_28.6 S1 M1SD4	A102_28.6 S1 ME1SB4	302	A102_28.6 P71 BN71B4	A102_28.6 P71 BE71B4	303
54	62	1.6	25.5	2770	A052_25.5 S1 M1SD4	A052_25.5 S1 ME1SB4	299	A052_25.5 P71 BN71B4	A052_25.5 P71 BE71B4	299
54	62	2.4	25.5	5500	A102_25.5 S1 M1SD4	A102_25.5 S1 ME1SB4	302	A102_25.5 P71 BN71B4	A102_25.5 P71 BE71B4	303
58	58	1.7	23.8	2730	A052_23.8 S1 M1SD4	A052_23.8 S1 ME1SB4	299	A052_23.8 P71 BN71B4	A052_23.8 P71 BE71B4	299
58	58	2.6	23.8	4570	A102_23.8 S1 M1SD4	A102_23.8 S1 ME1SB4	302	A102_23.8 P71 BN71B4	A102_23.8 P71 BE71B4	303
64	52	1.9	21.4	2670	A052_21.4 S1 M1SD4	A052_21.4 S1 ME1SB4	299	A052_21.4 P71 BN71B4	A052_21.4 P71 BE71B4	299



0.37 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				 IEC		
					IE1	IE2		IE1	IE2	
64	52	2.9	21.4	5270	A102_21.4 S1 M1SD4	A102_21.4 S1 ME1SB4	302	A102_21.4 P71 BN71B4	A102_21.4 P71 BE71B4	303
74	45	2.2	18.6	2590	A052_18.6 S1 M1SD4	A052_18.6 S1 ME1SB4	299	A052_18.6 P71 BN71B4	A052_18.6 P71 BE71B4	299
74	45	3.3	18.6	4270	A102_18.6 S1 M1SD4	A102_18.6 S1 ME1SB4	302	A102_18.6 P71 BN71B4	A102_18.6 P71 BE71B4	303
83	40	2.5	16.4	2510	A052_16.4 S1 M1SD4	A052_16.4 S1 ME1SB4	299	A052_16.4 P71 BN71B4	A052_16.4 P71 BE71B4	299
98	34	3.0	13.9	2410	A052_13.9 S1 M1SD4	A052_13.9 S1 ME1SB4	299	A052_13.9 P71 BN71B4	A052_13.9 P71 BE71B4	299
111	30	3.3	12.3	2350	A052_12.3 S1 M1SD4	A052_12.3 S1 ME1SB4	299	A052_12.3 P71 BN71B4	A052_12.3 P71 BE71B4	299
130	26	3.9	10.6	2240	A052_10.6 S1 M1SD4	A052_10.6 S1 ME1SB4	299	A052_10.6 P71 BN71B4	A052_10.6 P71 BE71B4	299
142	23	4.3	9.6	2190	A052_9.6 S1 M1SD4	A052_9.6 S1 ME1SB4	299	A052_9.6 P71 BN71B4	A052_9.6 P71 BE71B4	299
161	21	4.8	8.5	2120	A052_8.5 S1 M1SD4	A052_8.5 S1 ME1SB4	299	A052_8.5 P71 BN71B4	A052_8.5 P71 BE71B4	299
190	17.5	5.7	7.2	2030	A052_7.2 S1 M1SD4	A052_7.2 S1 ME1SB4	299	A052_7.2 P71 BN71B4	A052_7.2 P71 BE71B4	299
216	15.4	6.5	6.3	1950	A052_6.3 S1 M1SD4	A052_6.3 S1 ME1SB4	299	A052_6.3 P71 BN71B4	A052_6.3 P71 BE71B4	299
228	14.6	6.8	12.3	1920	A052_12.3 S05 M05C2	A052_5.5 S1 ME1SB4	299	A052_12.3 P71 BN71A2	A052_5.5 P71 BE71B4	299
251	13.3	7.2	5.5	1870	A052_5.5 S1 M1SD4		299	A052_5.5 P71 BN71B4		299
265	12.5	6.4	10.6	1830	A052_10.6 S05 M05C2		299	A052_10.6 P71 BN71A2		299
291	11.4	8.3	9.6	1790	A052_9.6 S05 M05C2		299	A052_9.6 P71 BN71A2		299
331	10.0	9.0	8.5	1720	A052_8.5 S05 M05C2		299	A052_8.5 P71 BN71A2		299
388	8.6	9.9	7.2	1640	A052_7.2 S05 M05C2		299	A052_7.2 P71 BN71A2		299
445	7.5	10.7	6.3	1570	A052_6.3 S05 M05C2		299	A052_6.3 P71 BN71A2		299
512	6.5	11.6	5.5	1500	A052_5.5 S05 M05C2		299			

0.37 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	IE3	IE3
0.56	5644	2.5	1632	75000		
0.63	4972	1.6	1438	65000		
0.74	4226	3.3	1222	75000		
0.80	3939	1.3	1715	50000		A704_1715 P71 BXN71MB4
0.87	3636	1.4	1583	50000		A704_1583 P71 BXN71MB4
0.88	3577	2.2	1558	65000		A804_1558 P71 BXN71MB4
0.95	3302	2.4	1438	65000		A804_1438 P71 BXN71MB4
1.0	3091	1.6	1346	50000		A704_1346 P71 BXN71MB4
1.0	3077	2.6	1340	65000		A804_1340 P71 BXN71MB4
1.1	2853	1.8	1242	50000		A704_1242 P71 BXN71MB4
1.1	2841	2.8	1237	65000		A804_1237 P71 BXN71MB4
1.2	2668	1.9	1161	50000		A704_1161 P71 BXN71MB4
1.3	2492	3.2	1085	65000		A804_1085 P71 BXN71MB4
1.3	2462	2.0	1072	50000		A704_1072 P71 BXN71MB4
1.4	2300	3.5	1001	65000		A804_1001 P71 BXN71MB4
1.5	2128	2.3	926.5	50000	A504_707.9 S10 MXN10MB4	A704_926.5 P71 BXN71MB4
1.6	1964	2.5	855.3	50000		A704_855.3 P71 BXN71MB4
1.8	1754	2.8	763.9	50000		A704_763.9 P71 BXN71MB4
1.8	1735	1.6	755.4	30000		A604_755.4 P71 BXN71MB4
1.9	1626	0.9	707.9	20000		A504_707.9 P71 BXN71MB4
1.9	1619	3.1	705.1	50000	A504_631.2 S10 MXN10MB4	A704_705.1 P71 BXN71MB4
2.0	1601	1.7	697.3	30000		A604_697.3 P71 BXN71MB4
2.1	1481	3.4	644.6	50000		A704_644.6 P71 BXN71MB4
2.2	1457	1.9	634.6	30000		A604_634.6 P71 BXN71MB4
2.2	1450	1.0	631.2	20000		A504_631.2 P71 BXN71MB4
2.3	1345	2.1	585.8	30000	A504_574.2 S10 MXN10MB4	A604_585.8 P71 BXN71MB4
2.4	1319	1.1	574.2	20000		A504_574.2 P71 BXN71MB4
2.5	1245	2.2	542.0	30000		A604_542.0 P71 BXN71MB4
2.6	1216	1.2	529.5	20000		A504_529.5 P71 BXN71MB4
2.7	1149	2.4	500.3	30000		A604_500.3 P71 BXN71MB4
2.8	1106	1.4	481.6	20000	A504_481.6 S10 MXN10MB4	A504_481.6 P71 BXN71MB4
3.1	1026	1.5	446.8	20000		A504_446.8 P71 BXN71MB4
3.1	1007	2.8	438.4	30000		A604_438.4 P71 BXN71MB4
3.4	933	1.6	406.4	20000		A504_406.4 P71 BXN71MB4
3.4	929	3.0	404.7	30000		A604_404.7 P71 BXN71MB4
3.6	885	1.0	376.8	15000	A413_376.8 S10 MXN10MB4	A413_376.8 P71 BXN71MB4
3.7	840	1.8	365.6	20000		A504_365.6 P71 BXN71MB4
3.9	807	3.5	351.2	30000		A604_351.2 P71 BXN71MB4







0.37 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IEC	 IE3	
4.1	764	2.0	332.6	20000	A504_332.6 S10 MXN10MB4	322	A504_332.6 P71 BXN71MB4	323
4.2	761	1.1	324.2	15000	A413_324.2 S10 MXN10MB4	318	A413_324.2 P71 BXN71MB4	319
4.7	685	1.2	291.7	15000	A413_291.7 S10 MXN10MB4	318	A413_291.7 P71 BXN71MB4	319
4.8	659	2.3	286.8	20000	A504_286.8 S10 MXN10MB4	322	A504_286.8 P71 BXN71MB4	323
5.1	636	0.9	270.7	12000	A353_270.7 S10 MXN10MB4	314	A353_270.7 P71 BXN71MB4	315
5.2	616	1.4	262.5	15000	A413_262.5 S10 MXN10MB4	318	A413_262.5 P71 BXN71MB4	319
5.3	599	2.5	260.9	20000	A504_260.9 S10 MXN10MB4	322	A504_260.9 P71 BXN71MB4	323
5.5	583	1.0	248.1	12000	A353_248.1 S10 MXN10MB4	314	A353_248.1 P71 BXN71MB4	315
5.7	565	1.5	240.6	15000	A413_240.6 S10 MXN10MB4	318	A413_240.6 P71 BXN71MB4	319
5.9	533	2.8	232.0	20000	A504_232.0 S10 MXN10MB4	322	A504_232.0 P71 BXN71MB4	323
6.1	524	1.1	223.2	12000	A353_223.2 S10 MXN10MB4	314	A353_223.2 P71 BXN71MB4	315
6.3	511	1.7	217.4	15000	A413_217.4 S10 MXN10MB4	318	A413_217.4 P71 BXN71MB4	319
6.5	485	3.1	211.0	20000	A504_211.0 S10 MXN10MB4	322	A504_211.0 P71 BXN71MB4	323
6.8	474	1.3	201.8	12000	A353_201.8 S10 MXN10MB4	314	A353_201.8 P71 BXN71MB4	315
6.9	464	1.8	197.5	15000	A413_197.5 S10 MXN10MB4	318	A413_197.5 P71 BXN71MB4	319
7.2	448	3.4	190.6	20000	A503_190.6 S10 MXN10MB4	322	A503_190.6 P71 BXN71MB4	323
7.3	442	1.4	188.3	12000	A353_188.3 S10 MXN10MB4	314	A353_188.3 P71 BXN71MB4	315
7.4	433	2.0	184.4	15000	A413_184.4 S10 MXN10MB4	318	A413_184.4 P71 BXN71MB4	319
8.0	403	1.5	171.8	12000	A353_171.8 S10 MXN10MB4	314	A353_171.8 P71 BXN71MB4	315
9.1	354	0.9	150.7	9600	A303_150.7 S10 MXN10MB4	310	A303_150.7 P71 BXN71MB4	311
9.1	354	1.7	150.6	12000	A353_150.6 S10 MXN10MB4	314	A353_150.6 P71 BXN71MB4	315
9.3	345	2.5	146.9	15000	A413_146.9 S10 MXN10MB4	318	A413_146.9 P71 BXN71MB4	319
10.0	323	1.0	137.4	9600	A303_137.4 S10 MXN10MB4	310	A303_137.4 P71 BXN71MB4	311
10.0	320	1.8	136.3	12000	A353_136.3 S10 MXN10MB4	314	A353_136.3 P71 BXN71MB4	315
11.4	283	1.1	120.5	9600	A303_120.5 S10 MXN10MB4	310	A303_120.5 P71 BXN71MB4	311
11.7	275	2.0	116.9	12000	A353_116.9 S10 MXN10MB4	314	A353_116.9 P71 BXN71MB4	315
11.8	272	3.1	115.9	15000	A413_115.9 S10 MXN10MB4	318	A413_115.9 P71 BXN71MB4	319
12.6	256	1.2	109.1	9600	A303_109.1 S10 MXN10MB4	310	A303_109.1 P71 BXN71MB4	311
13.0	248	2.1	105.5	12000	A353_105.5 S10 MXN10MB4	314	A353_105.5 P71 BXN71MB4	315
14.1	237	1.3	97.5	9600	A302_97.5 S10 MXN10MB4	314	A302_97.5 P71 BXN71MB4	311
14.3	232	2.3	95.6	12000	A352_95.6 S10 MXN10MB4	314	A352_95.6 P71 BXN71MB4	315
15.8	210	1.5	86.7	9600	A302_86.7 S10 MXN10MB4	314	A302_86.7 P71 BXN71MB4	311
16.6	200	3.0	82.5	12000	A352_82.5 S10 MXN10MB4	314	A352_82.5 P71 BXN71MB4	315
17.2	194	1.1	79.9	6200	A202_79.9 S10 MXN10MB4	310	A202_79.9 P71 BXN71MB4	307
17.9	186	1.9	76.5	9600	A302_76.5 S10 MXN10MB4	310	A302_76.5 P71 BXN71MB4	311
18.4	180	3.3	74.3	12000	A352_74.3 S10 MXN10MB4	314	A352_74.3 P71 BXN71MB4	315
19.3	172	1.2	71.0	6200	A202_71.0 S10 MXN10MB4	310	A202_71.0 P71 BXN71MB4	307
20.7	160	2.4	66.0	9350	A302_66.0 S10 MXN10MB4	310	A302_66.0 P71 BXN71MB4	311
20.8	160	0.9	65.9	5500	A102_65.9 S10 MXN10MB4	306	A102_65.9 P71 BXN71MB4	303
21.7	153	1.6	63.1	6200	A202_63.1 S10 MXN10MB4	306	A202_63.1 P71 BXN71MB4	307
23.1	144	2.8	59.4	9080	A302_59.4 S10 MXN10MB4	310	A302_59.4 P71 BXN71MB4	311
23.4	142	1.1	58.6	5500	A102_58.6 S10 MXN10MB4	310	A102_58.6 P71 BXN71MB4	303
25.5	130	1.9	53.7	6090	A202_53.7 S10 MXN10MB4	306	A202_53.7 P71 BXN71MB4	307
26.0	128	3.2	52.7	8790	A302_52.7 S10 MXN10MB4	310	A302_52.7 P71 BXN71MB4	311
26.7	124	1.2	51.3	5490	A102_51.3 S10 MXN10MB4	302	A102_51.3 P71 BXN71MB4	303
28.4	117	2.1	48.3	5940	A202_48.3 S10 MXN10MB4	306	A202_48.3 P71 BXN71MB4	307
28.4	117	3.5	48.3	8580	A302_48.3 S10 MXN10MB4	310	A302_48.3 P71 BXN71MB4	311
30	110	0.9	45.4	3060	A102_45.4 S10 MXN10MB4	302	A102_45.4 P71 BXN71MB4	299
30	110	1.4	45.4	5350	A202_43.2 S10 MXN10MB4	306	A202_43.2 P71 BXN71MB4	303
32	105	2.4	43.2	5780	A102_43.2 S10 MXN10MB4	306	A102_43.2 P71 BXN71MB4	307
34	99	1.0	40.9	3020	A052_40.9 S10 MXN10MB4	302	A052_40.9 P71 BXN71MB4	299
34	99	1.5	40.9	5500	A102_40.9 S10 MXN10MB4	302	A102_40.9 P71 BXN71MB4	303
35	96	2.6	39.6	5650	A202_39.6 S10 MXN10MB4	306	A202_39.6 P71 BXN71MB4	307
39	86	2.9	35.4	5480	A202_35.4 S10 MXN10MB4	306	A202_35.4 P71 BXN71MB4	307
39	85	1.2	35.1	2950	A102_35.1 S10 MXN10MB4	302	A102_35.1 P71 BXN71MB4	299
39	85	1.8	35.1	5040	A102_35.1 S10 MXN10MB4	302	A102_35.1 P71 BXN71MB4	303
43	78	1.3	32.2	2900	A052_32.2 S10 MXN10MB4	302	A052_32.2 P71 BXN71MB4	299
43	78	1.9	32.2	5500	A102_32.2 S10 MXN10MB4	302	A102_32.2 P71 BXN71MB4	303
44	76	3.3	31.3	5310	A202_31.3 S10 MXN10MB4	306	A202_31.3 P71 BXN71MB4	307
47	71	3.5	29.2	5210	A202_29.2 S10 MXN10MB4	306	A202_29.2 P71 BXN71MB4	307
48	69	1.4	28.6	2840	A052_28.6 S10 MXN10MB4	302	A052_28.6 P71 BXN71MB4	299
48	69	2.2	28.6	4790	A102_28.6 S10 MXN10MB4	302	A102_28.6 P71 BXN71MB4	303
54	62	1.6	25.5	2770	A052_25.5 S10 MXN10MB4	302	A052_25.5 P71 BXN71MB4	299
54	62	2.4	25.5	5500	A102_25.5 S10 MXN10MB4	302	A102_25.5 P71 BXN71MB4	303
58	58	1.7	23.8	2730	A052_23.8 S10 MXN10MB4	299	A052_23.8 P71 BXN71MB4	299



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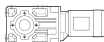




n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3	
58	58	2.6	23.8	4570	A102_23.8 S10 MXN10MB4	302	A102_23.8 P71 BXN71MB4	303
64	52	1.9	21.4	2670			A052_21.4 P71 BXN71MB4	299
64	52	2.9	21.4	5270	A102_21.4 S10 MXN10MB4	302	A102_21.4 P71 BXN71MB4	303
74	45	2.2	18.6	2590			A052_18.6 P71 BXN71MB4	299
74	45	3.3	18.6	4270	A102_18.6 S10 MXN10MB4	302	A102_18.6 P71 BXN71MB4	303
83	40	2.5	16.4	2510			A052_16.4 P71 BXN71MB4	299
98	34	3.0	13.9	2410			A052_13.9 P71 BXN71MB4	299
111	30	3.3	12.3	2350			A052_12.3 P71 BXN71MB4	299
130	26	3.9	10.6	2240			A052_10.6 P71 BXN71MB4	299
142	23	4.3	9.6	2190			A052_9.6 P71 BXN71MB4	299
161	21	4.8	8.5	2120			A052_8.5 P71 BXN71MB4	299
190	17.5	5.7	7.2	2030			A052_7.2 P71 BXN71MB4	299
216	15.4	6.5	6.3	1950			A052_6.3 P71 BXN71MB4	299
228	14.6	6.8	12.3	1920			A052_5.5 P71 BXN71MB4	299
251	13.3	7.2	5.5	1870				
265	12.5	6.4	10.6	1830				
291	11.4	8.3	9.6	1790				
331	10.0	9.0	8.5	1720			A052_6.3 P71 BN71A2	299
388	8.6	9.9	7.2	1640				
445	7.5	10.7	6.3	1570				
512	6.5	11.6	5.5	1500				

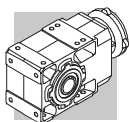
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n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE1	 IE2	 IE1	 IE2
0.56	8299	1.7	1632	75000	A904_1632 S2 M2SA6	340	A904_1632 P80 BN80B6	341
0.64	7310	1.1	1438	65000	A804_1438 S2 M2SA6	337	A804_1438 P80 BN80B6	338
0.75	6213	2.3	1222	75000	A904_1222 S2 M2SA6	340	A904_1222 P80 BN80B6	341
0.80	5813	0.9	1715	50000	A704_1715 S1 M1LA4	334	A704_1715 P80 BN80A4	335
0.85	5532	2.5	1632	75000	A904_1632 S1 M1LA4	340	A904_1632 P80 BN80A4	341
0.87	5365	0.9	1583	50000	A704_1583 S1 M1LA4	334	A704_1583 P80 BN80A4	335
0.89	5279	1.5	1558	65000	A804_1558 S1 M1LA4	337	A804_1558 P80 BN80A4	338
0.92	5070	2.8	1507	75000	A904_1507 S1 M1LA4	340	A904_1507 P80 BN80A4	341
0.96	4873	1.6	1438	65000	A804_1438 S1 M1LA4	337	A804_1438 P80 BN80A4	338
1.0	4561	1.1	1346	50000	A704_1346 S1 M1LA4	334	A704_1346 P80 BN80A4	335
1.0	4541	1.8	1340	65000	A804_1340 S1 M1LA4	337	A804_1340 P80 BN80A4	338
1.0	4455	3.1	1324	75000	A904_1324 S1 M1LA4	340	A904_1324 P80 BN80A4	341
1.1	4211	1.2	1242	50000	A704_1242 S1 M1LA4	334	A704_1242 P80 BN80A4	335
1.1	4192	1.9	1237	65000	A804_1237 S1 M1LA4	337	A804_1237 P80 BN80A4	338
1.1	4112	3.4	1222	75000	A904_1222 S1 M1LA4	340	A904_1222 P80 BN80A4	341
1.2	3937	1.3	1161	50000	A704_1161 S1 M1LA4	334	A704_1161 P80 BN80A4	335
1.3	3677	2.2	1085	65000	A804_1085 S1 M1LA4	337	A804_1085 P80 BN80A4	338
1.3	3634	1.4	1072	50000	A704_1072 S1 M1LA4	334	A704_1072 P80 BN80A4	335
1.4	3394	2.4	1001	65000	A804_1001 S1 M1LA4	337	A804_1001 P80 BN80A4	338
1.5	3140	1.6	926.5	50000	A704_926.5 S1 M1LA4	334	A704_926.5 P80 BN80A4	335
1.5	3046	2.6	898.7	65000	A804_898.7 S1 M1LA4	337	A804_898.7 P80 BN80A4	338
1.6	2899	1.7	855.3	50000	A704_855.3 S1 M1LA4	334	A704_855.3 P80 BN80A4	335
1.7	2811	2.8	829.5	65000	A804_829.5 S1 M1LA4	337	A804_829.5 P80 BN80A4	338
1.8	2589	1.9	763.9	50000	A704_763.9 S1 M1LA4	334	A704_763.9 P80 BN80A4	335
1.8	2583	3.1	762.1	65000	A804_762.1 S1 M1LA4	337	A804_762.1 P80 BN80A4	338
1.8	2560	1.1	755.4	30000	A604_755.4 S1 M1LA4	330	A604_755.4 P80 BN80A4	331
2.0	2390	2.1	705.1	50000	A704_705.1 S1 M1LA4	334	A704_705.1 P80 BN80A4	335
2.0	2384	3.4	703.5	65000	A804_703.5 S1 M1LA4	337	A804_703.5 P80 BN80A4	338
2.0	2363	1.2	697.3	30000	A604_697.3 S1 M1LA4	330	A604_697.3 P80 BN80A4	331
2.1	2185	2.3	644.6	50000	A704_644.6 S1 M1LA4	334	A704_644.6 P80 BN80A4	335
2.2	2151	1.3	634.6	30000	A604_634.6 S1 M1LA4	330	A604_634.6 P80 BN80A4	331
2.3	2017	2.5	595.0	50000	A704_595.0 S1 M1LA4	334	A704_595.0 P80 BN80A4	335
2.4	1985	1.4	585.8	30000	A604_585.8 S1 M1LA4	330	A604_585.8 P80 BN80A4	331
2.5	1837	1.5	542.0	30000	A604_542.0 S1 M1LA4	330	A604_542.0 P80 BN80A4	331
2.7	1747	2.9	515.4	50000	A704_515.4 S1 M1LA4	334	A704_515.4 P80 BN80A4	335
2.8	1696	1.7	500.3	30000	A604_500.3 S1 M1LA4	330	A604_500.3 P80 BN80A4	331

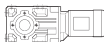





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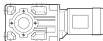


n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N							
					IE1	IE2			IE1	IE2	
2.9	1632	0.9	481.6	20000	A504_481.6 S1 M1LA4	A504_481.6 S2 ME2SA4	322	A504_481.6 P80 BN80A4	A504_481.6 P80 BE80A4	323	
2.9	1612	3.1	475.8	50000	A704_475.8 S1 M1LA4	A704_475.8 S2 ME2SA4	334	A704_475.8 P80 BN80A4	A704_475.8 P80 BE80A4	335	
3.1	1514	1.0	446.8	20000	A504_446.8 S1 M1LA4	A504_446.8 S2 ME2SA4	322	A504_446.8 P80 BN80A4	A504_446.8 P80 BE80A4	323	
3.1	1486	1.9	438.4	30000	A604_438.4 S1 M1LA4	A604_438.4 S2 ME2SA4	330	A604_438.4 P80 BN80A4	A604_438.4 P80 BE80A4	331	
3.4	1378	1.1	406.4	20000	A504_406.4 S1 M1LA4	A504_406.4 S2 ME2SA4	322	A504_406.4 P80 BN80A4	A504_406.4 P80 BE80A4	323	
3.4	1372	2.0	404.7	30000	A604_404.7 S1 M1LA4	A604_404.7 S2 ME2SA4	330	A604_404.7 P80 BN80A4	A604_404.7 P80 BE80A4	331	
3.8	1239	1.2	365.6	20000	A504_365.6 S1 M1LA4	A504_365.6 S2 ME2SA4	322	A504_365.6 P80 BN80A4	A504_365.6 P80 BE80A4	323	
3.9	1190	2.4	351.2	30000	A604_351.2 S1 M1LA4	A604_351.2 S2 ME2SA4	330	A604_351.2 P80 BN80A4	A604_351.2 P80 BE80A4	331	
4.1	1127	1.3	332.6	20000	A504_332.6 S1 M1LA4	A504_332.6 S2 ME2SA4	322	A504_332.6 P80 BN80A4	A504_332.6 P80 BE80A4	323	
4.3	1099	2.5	324.2	30000	A604_324.2 S1 M1LA4	A604_324.2 S2 ME2SA4	330	A604_324.2 P80 BN80A4	A604_324.2 P80 BE80A4	331	
4.8	972	1.5	286.8	20000	A504_286.8 S1 M1LA4	A504_286.8 S2 ME2SA4	322	A504_286.8 P80 BN80A4	A504_286.8 P80 BE80A4	323	
4.8	970	2.9	286.3	30000	A604_286.3 S1 M1LA4	A604_286.3 S2 ME2SA4	330	A604_286.3 P80 BN80A4	A604_286.3 P80 BE80A4	331	
5.2	896	3.1	264.3	30000	A604_264.3 S1 M1LA4	A604_264.3 S2 ME2SA4	330	A604_264.3 P80 BN80A4	A604_264.3 P80 BE80A4	331	
5.3	910	0.9	262.5	15000	A413_262.5 S1 M1LA4	A413_262.5 S2 ME2SA4	318	A413_262.5 P80 BN80A4	A413_262.5 P80 BE80A4	319	
5.3	884	1.7	260.9	20000	A504_260.9 S1 M1LA4	A504_260.9 S2 ME2SA4	322	A504_260.9 P80 BN80A4	A504_260.9 P80 BE80A4	323	
5.7	834	1.0	240.6	15000	A413_240.6 S1 M1LA4	A413_240.6 S2 ME2SA4	318	A413_240.6 P80 BN80A4	A413_240.6 P80 BE80A4	319	
5.9	786	1.9	232.0	20000	A504_232.0 S1 M1LA4	A504_232.0 S2 ME2SA4	322	A504_232.0 P80 BN80A4	A504_232.0 P80 BE80A4	323	
6.3	753	1.1	217.4	15000	A413_217.4 S1 M1LA4	A413_217.4 S2 ME2SA4	318	A413_217.4 P80 BN80A4	A413_217.4 P80 BE80A4	319	
6.5	715	2.1	211.0	20000	A504_211.0 S1 M1LA4	A504_211.0 S2 ME2SA4	322	A504_211.0 P80 BN80A4	A504_211.0 P80 BE80A4	323	
7.0	685	1.2	197.5	15000	A413_197.5 S1 M1LA4	A413_197.5 S2 ME2SA4	318	A413_197.5 P80 BN80A4	A413_197.5 P80 BE80A4	319	
7.1	673	3.0	194.2	30000	A553_194.2 S1 M1LA4	A553_194.2 S2 ME2SA4	326	A553_194.2 P80 BN80A4	A553_194.2 P80 BE80A4	327	
7.2	660	2.3	190.6	20000	A503_190.6 S1 M1LA4	A503_190.6 S2 ME2SA4	322	A503_190.6 P80 BN80A4	A503_190.6 P80 BE80A4	323	
7.3	653	0.9	188.3	12000	A353_188.3 S1 M1LA4	A353_188.3 S2 ME2SA4	314	A353_188.3 P80 BN80A4	A353_188.3 P80 BE80A4	315	
7.5	639	1.3	184.4	15000	A413_184.4 S1 M1LA4	A413_184.4 S2 ME2SA4	318	A413_184.4 P80 BN80A4	A413_184.4 P80 BE80A4	319	
7.9	607	3.3	175.0	30000	A553_175.0 S1 M1LA4	A553_175.0 S2 ME2SA4	326	A553_175.0 P80 BN80A4	A553_175.0 P80 BE80A4	327	
8.0	601	2.5	173.4	20000	A503_173.4 S1 M1LA4	A503_173.4 S2 ME2SA4	322	A503_173.4 P80 BN80A4	A503_173.4 P80 BE80A4	323	
8.0	595	1.0	171.8	12000	A353_171.8 S1 M1LA4	A353_171.8 S2 ME2SA4	314	A353_171.8 P80 BN80A4	A353_171.8 P80 BE80A4	315	
9.0	532	2.8	154.6	20000	A503_154.6 S1 M1LA4	A503_154.6 S2 ME2SA4	322	A503_154.6 P80 BN80A4	A503_154.6 P80 BE80A4	323	
9.2	522	1.1	150.6	12000	A353_150.6 S1 M1LA4	A353_150.6 S2 ME2SA4	314	A353_150.6 P80 BN80A4	A353_150.6 P80 BE80A4	315	
9.4	509	1.7	146.9	15000	A413_146.9 S1 M1LA4	A413_146.9 S2 ME2SA4	318	A413_146.9 P80 BN80A4	A413_146.9 P80 BE80A4	319	
9.9	484	3.1	140.6	20000	A503_140.6 S1 M1LA4	A503_140.6 S2 ME2SA4	322	A503_140.6 P80 BN80A4	A503_140.6 P80 BE80A4	323	
10.1	472	1.2	136.3	12000	A353_136.3 S1 M1LA4	A353_136.3 S2 ME2SA4	314	A353_136.3 P80 BN80A4	A353_136.3 P80 BE80A4	315	
10.7	446	3.4	129.7	20000	A503_129.7 S1 M1LA4	A503_129.7 S2 ME2SA4	322	A503_129.7 P80 BN80A4	A503_129.7 P80 BE80A4	323	
11.8	405	1.4	116.9	12000	A353_116.9 S1 M1LA4	A353_116.9 S2 ME2SA4	314	A353_116.9 P80 BN80A4	A353_116.9 P80 BE80A4	315	
11.9	402	2.1	115.9	15000	A413_115.9 S1 M1LA4	A413_115.9 S2 ME2SA4	318	A413_115.9 P80 BN80A4	A413_115.9 P80 BE80A4	319	
13.1	366	1.4	105.5	12000	A353_105.5 S1 M1LA4	A353_105.5 S2 ME2SA4	314	A353_105.5 P80 BN80A4	A353_105.5 P80 BE80A4	315	
14.2	349	0.9	97.5	9600				A302_97.5 P80 BN80A4	A302_97.5 P80 BE80A4	311	
14.4	342	1.6	95.6	12000	A352_95.6 S1 M1LA4	A352_95.6 S2 ME2SA4	314	A352_95.6 P80 BN80A4	A352_95.6 P80 BE80A4	315	
14.9	321	2.5	92.8	15000	A413_92.8 S1 M1LA4	A413_92.8 S2 ME2SA4	318	A413_92.8 P80 BN80A4	A413_92.8 P80 BE80A4	319	
15.9	310	1.0	86.7	9420				A302_86.7 P80 BN80A4	A302_86.7 P80 BE80A4	311	
16.7	295	2.0	82.5	12000	A352_82.5 S1 M1LA4	A352_82.5 S2 ME2SA4	314	A352_82.5 P80 BN80A4	A352_82.5 P80 BE80A4	315	
17.4	284	3.0	79.2	15000	A412_79.2 S1 M1LA4	A412_79.2 S2 ME2SA4	318	A412_79.2 P80 BN80A4	A412_79.2 P80 BE80A4	319	
18.0	274	1.3	76.5	9180	A302_76.5 S1 M1LA4	A302_76.5 S2 ME2SA4	310	A302_76.5 P80 BN80A4	A302_76.5 P80 BE80A4	311	
18.6	266	2.3	74.3	12000	A352_74.3 S1 M1LA4	A352_74.3 S2 ME2SA4	314	A352_74.3 P80 BN80A4	A352_74.3 P80 BE80A4	315	
19.4	255	3.3	71.3	15000	A412_71.3 S1 M1LA4	A412_71.3 S2 ME2SA4	318	A412_71.3 P80 BN80A4	A412_71.3 P80 BE80A4	319	
20.9	236	1.6	66.0	8880	A302_66.0 S1 M1LA4	A302_66.0 S2 ME2SA4	310	A302_66.0 P80 BN80A4	A302_66.0 P80 BE80A4	311	
21.0	236	2.5	65.8	12000	A352_65.8 S1 M1LA4	A352_65.8 S2 ME2SA4	314	A352_65.8 P80 BN80A4	A352_65.8 P80 BE80A4	315	
21.9	226	1.1	63.1	5840	A202_63.1 S1 M1LA4	A202_63.1 S2 ME2SA4	306	A202_63.1 P80 BN80A4	A202_63.1 P80 BE80A4	307	
22.9	216	2.8	60.4	12000	A352_60.4 S1 M1LA4	A352_60.4 S2 ME2SA4	314	A352_60.4 P80 BN80A4	A352_60.4 P80 BE80A4	315	
23.2	213	1.9	59.4	8660	A302_59.4 S1 M1LA4	A302_59.4 S2 ME2SA4	310	A302_59.4 P80 BN80A4	A302_59.4 P80 BE80A4	311	
25.4	194	3.1	54.3	12000	A352_54.3 S1 M1LA4	A352_54.3 S2 ME2SA4	314	A352_54.3 P80 BN80A4	A352_54.3 P80 BE80A4	315	
25.7	192	1.3	53.7	5670	A202_53.7 S1 M1LA4	A202_53.7 S2 ME2SA4	306	A202_53.7 P80 BN80A4	A202_53.7 P80 BE80A4	307	
26.2	189	2.2	52.7	8410	A302_52.7 S1 M1LA4	A302_52.7 S2 ME2SA4	310	A302_52.7 P80 BN80A4	A302_52.7 P80 BE80A4	311	
28.1	176	3.4	49.1	12000	A352_49.1 S1 M1LA4	A352_49.1 S2 ME2SA4	314	A352_49.1 P80 BN80A4	A352_49.1 P80 BE80A4	315	
28.6	173	1.4	48.3	5560	A202_48.3 S1 M1LA4	A202_48.3 S2 ME2SA4	306	A202_48.3 P80 BN80A4	A202_48.3 P80 BE80A4	307	
28.6	173	2.4	48.3	8230	A302_48.3 S1 M1LA4	A302_48.3 S2 ME2SA4	310	A302_48.3 P80 BN80A4	A302_48.3 P80 BE80A4	311	
30	163	0.9	45.4	4910	A102_45.4 S1 M1LA4	A102_45.4 S2 ME2SA4	302	A102_45.4 P80 BN80A4	A102_45.4 P80 BE80A4	303	
32	155	2.6	43.4	8010	A302_43.4 S1 M1LA4	A302_43.4 S2 ME2SA4	310	A302_43.4 P80 BN80A4	A302_43.4 P80 BE80A4	311	
32	155	1.6	43.2	5440	A202_43.2 S1 M1LA4	A202_43.2 S2 ME2SA4	306	A202_43.2 P80 BN80A4	A202_43.2 P80 BE80A4	307	
34	146	1.0	40.9	5500	A102_40.9 S1 M1LA4	A102_40.9 S2 ME2SA4	302	A102_40.9 P80 BN80A4	A102_40.9 P80 BE80A4	303	
35	142	1.8	39.6	5340	A202_39.6 S1 M1LA4	A202_39.6 S2 ME2SA4	306	A202_39.6 P80 BN80A4	A202_39.6 P80 BE80A4	307	
35	141	2.9	39.3	7800	A302_39.3 S1 M1LA4	A302_39.3 S2 ME2SA4	310	A302_39.3 P80 BN80A4	A302_39.3 P80 BE80A4	311	
38	131	3.1	36.6	7660	A302_36.6 S1 M1LA4	A302_36.6 S2 ME2SA4	310	A302_36.6 P80 BN80A4	A302_36.6 P80 BE80A4	311	
39	127	2.0	35.4	5200	A202_35.4 S1 M1LA4	A202_35.4 S2 ME2SA4	306	A202_35.4 P80 BN80A4	A202_35.4 P80 BE80A4	307	
39	126	1.2	35.1	4700	A102_35.1 S1 M1LA4	A102_35.1 S2 ME2SA4	302	A102_35.1 P80 BN80A4	A102_35.1 P80 BE80A4	303	



0.55 kW





n ₂	M ₂	S	i	R _{n2}						
min ⁻¹	Nm			N	IE1	IE2		IE1	IE2	
41	120	3.4	33.4	7480	A302_33.4 S1 M1LA4	A302_33.4 S2 ME2SA4	310	A302_33.4 P80 BN80A4	A302_33.4 P80 BE80A4	311
43	115	1.3	32.2	5490	A102_32.2 S1 M1LA4	A102_32.2 S2 ME2SA4	302	A102_32.2 P80 BN80A4	A102_32.2 P80 BE80A4	303
44	112	2.2	31.3	5060	A202_31.3 S1 M1LA4	A202_31.3 S2 ME2SA4	306	A202_31.3 P80 BN80A4	A202_31.3 P80 BE80A4	307
47	105	2.4	29.2	4970	A202_29.2 S1 M1LA4	A202_29.2 S2 ME2SA4	306	A202_29.2 P80 BN80A4	A202_29.2 P80 BE80A4	307
48	102	1.0	28.6	2550	A052_28.6 S1 M1LA4	A052_28.6 S2 ME2SA4	299	A052_28.6 P80 BN80A4	A052_28.6 P80 BE80A4	299
48	102	1.5	28.6	4510	A102_28.6 S1 M1LA4	A102_28.6 S2 ME2SA4	302	A102_28.6 P80 BN80A4	A102_28.6 P80 BE80A4	303
52	95	2.6	26.5	4850	A202_26.5 S1 M1LA4	A202_26.5 S2 ME2SA4	306	A202_26.5 P80 BN80A4	A202_26.5 P80 BE80A4	307
54	91	1.1	25.5	2510	A052_25.5 S1 M1LA4	A052_25.5 S2 ME2SA4	299	A052_25.5 P80 BN80A4	A052_25.5 P80 BE80A4	299
54	91	1.6	25.5	5230	A102_25.5 S1 M1LA4	A102_25.5 S2 ME2SA4	302	A102_25.5 P80 BN80A4	A102_25.5 P80 BE80A4	303
58	85	1.2	23.8	2490	A052_23.8 S1 M1LA4	A052_23.8 S2 ME2SA4	299	A052_23.8 P80 BN80A4	A052_23.8 P80 BE80A4	299
58	85	1.8	23.8	4330	A102_23.8 S1 M1LA4	A102_23.8 S2 ME2SA4	302	A102_23.8 P80 BN80A4	A102_23.8 P80 BE80A4	303
60	83	3.0	23.1	4690	A202_23.1 S1 M1LA4	A202_23.1 S2 ME2SA4	306	A202_23.1 P80 BN80A4	A202_23.1 P80 BE80A4	307
65	76	1.3	21.4	2450	A052_21.4 S1 M1LA4	A052_21.4 S2 ME2SA4	299	A052_21.4 P80 BN80A4	A052_21.4 P80 BE80A4	299
65	76	2.0	21.4	5020	A102_21.4 S1 M1LA4	A102_21.4 S2 ME2SA4	302	A102_21.4 P80 BN80A4	A102_21.4 P80 BE80A4	303
65	76	3.3	21.2	4590	A202_21.2 S1 M1LA4	A202_21.2 S2 ME2SA4	306	A202_21.2 P80 BN80A4	A202_21.2 P80 BE80A4	307
74	66	1.5	18.6	2400	A052_18.6 S1 M1LA4	A052_18.6 S2 ME2SA4	299	A052_18.6 P80 BN80A4	A052_18.6 P80 BE80A4	299
74	66	2.3	18.6	4090	A102_18.6 S1 M1LA4	A102_18.6 S2 ME2SA4	302	A102_18.6 P80 BN80A4	A102_18.6 P80 BE80A4	303
84	59	1.7	16.4	2340	A052_16.4 S1 M1LA4	A052_16.4 S2 ME2SA4	299	A052_16.4 P80 BN80A4	A052_16.4 P80 BE80A4	299
84	59	2.5	16.4	4710	A102_16.4 S1 M1LA4	A102_16.4 S2 ME2SA4	302	A102_16.4 P80 BN80A4	A102_16.4 P80 BE80A4	303
99	50	2.0	13.9	2270	A052_13.9 S1 M1LA4	A052_13.9 S2 ME2SA4	299	A052_13.9 P80 BN80A4	A052_13.9 P80 BE80A4	299
99	50	3.0	13.9	3800	A102_13.9 S1 M1LA4	A102_13.9 S2 ME2SA4	302	A102_13.9 P80 BN80A4	A102_13.9 P80 BE80A4	303
112	44	2.3	12.3	2220	A052_12.3 S1 M1LA4	A052_12.3 S2 ME2SA4	299	A052_12.3 P80 BN80A4	A052_12.3 P80 BE80A4	299
112	44	3.2	12.3	3670	A102_12.3 S1 M1LA4	A102_12.3 S2 ME2SA4	302	A102_12.3 P80 BN80A4	A102_12.3 P80 BE80A4	303
131	38	2.6	10.6	2130	A052_10.6 S1 M1LA4	A052_10.6 S2 ME2SA4	299	A052_10.6 P80 BN80A4	A052_10.6 P80 BE80A4	299
144	34	2.9	9.6	2100	A052_9.6 S1 M1LA4	A052_9.6 S2 ME2SA4	299	A052_9.6 P80 BN80A4	A052_9.6 P80 BE80A4	299
162	30	3.3	8.5	2030	A052_8.5 S1 M1LA4	A052_8.5 S2 ME2SA4	299	A052_8.5 P80 BN80A4	A052_8.5 P80 BE80A4	299
171	29	3.1	16.4	2000	A052_16.4 S1 M1SD2		299	A052_16.4 P71 BN71B2		299
191	26	3.9	7.2	1950	A052_7.2 S1 M1LA4	A052_7.2 S2 ME2SA4	299	A052_7.2 P80 BN80A4	A052_7.2 P80 BE80A4	299
218	23	4.4	6.3	1880	A052_6.3 S1 M1LA4	A052_6.3 S2 ME2SA4	299	A052_6.3 P80 BN80A4	A052_6.3 P80 BE80A4	299
229	22	4.6	12.3	1860	A052_12.3 S1 M1SD2		299	A052_12.3 P71 BN71B2		299
252	19.6	4.9	5.5	1810	A052_5.5 S1 M1LA4	A052_5.5 S2 ME2SA4	299	A052_5.5 P80 BN80A4	A052_5.5 P80 BE80A4	299
267	18.5	4.3	10.6	1780	A052_10.6 S1 M1SD2		299	A052_10.6 P71 BN71B2		299
293	16.8	5.6	9.6	1740	A052_9.6 S1 M1SD2		299	A052_9.6 P71 BN71B2		299
331	14.9	6.0	8.5	1680	A052_8.5 S1 M1SD2		299	A052_8.5 P71 BN71B2		299
391	12.6	6.7	7.2	1600	A052_7.2 S1 M1SD2		299	A052_7.2 P71 BN71B2		299
445	11.1	7.2	6.3	1540	A052_6.3 S1 M1SD2		299	A052_6.3 P71 BN71B2		299
516	9.6	7.8	5.5	1480	A052_5.5 S1 M1SD2		299	A052_5.5 P71 BN71B2		299

0.55 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3
0.56	8299	1.7	1632	75000			
0.64	7310	1.1	1438	65000			
0.75	6213	2.3	1222	75000			
0.80	5813	0.9	1715	50000		A704_1715 P80 BXN80MA4	335
0.85	5532	2.5	1632	75000		A904_1632 P80 BXN80MA4	341
0.87	5365	0.9	1583	50000		A704_1583 P80 BXN80MA4	335
0.89	5279	1.5	1558	65000		A804_1558 P80 BXN80MA4	338
0.92	5070	2.8	1507	75000		A904_1507 P80 BXN80MA4	341
0.96	4873	1.6	1438	65000		A804_1438 P80 BXN80MA4	338
1.0	4561	1.1	1346	50000		A704_1346 P80 BXN80MA4	335
1.0	4541	1.8	1340	65000		A804_1340 P80 BXN80MA4	338
1.0	4455	3.1	1324	75000		A904_1324 P80 BXN80MA4	341
1.1	4211	1.2	1242	50000		A704_1242 P80 BXN80MA4	335
1.1	4192	1.9	1237	65000		A804_1237 P80 BXN80MA4	338
1.1	4112	3.4	1222	75000		A904_1222 P80 BXN80MA4	341
1.2	3937	1.3	1161	50000		A704_1161 P80 BXN80MA4	335
1.3	3677	2.2	1085	65000		A804_1085 P80 BXN80MA4	338
1.3	3634	1.4	1072	50000		A704_1072 P80 BXN80MA4	335
1.4	3394	2.4	1001	65000		A804_1001 P80 BXN80MA4	338
1.5	3140	1.6	926.5	50000		A704_926.5 P80 BXN80MA4	335







0.55 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IEC  IE3		
1.5	3046	2.6	898.7	65000		A804_898.7 P80 BXN80MA4	338	
1.6	2899	1.7	855.3	50000		A704_855.3 P80 BXN80MA4	335	
1.7	2811	2.8	829.5	65000		A804_829.5 P80 BXN80MA4	338	
1.8	2589	1.9	763.9	50000		A704_763.9 P80 BXN80MA4	335	
1.8	2583	3.1	762.1	65000		A804_762.1 P80 BXN80MA4	338	
1.8	2560	1.1	755.4	30000		A604_755.4 P80 BXN80MA4	331	
2.0	2390	2.1	705.1	50000		A704_705.1 P80 BXN80MA4	335	
2.0	2384	3.4	703.5	65000		A804_703.5 P80 BXN80MA4	338	
2.0	2363	1.2	697.3	30000		A604_697.3 P80 BXN80MA4	331	
2.1	2185	2.3	644.6	50000		A704_644.6 P80 BXN80MA4	335	
2.2	2151	1.3	634.6	30000		A604_634.6 P80 BXN80MA4	331	
2.3	2017	2.5	595.0	50000		A704_595.0 P80 BXN80MA4	335	
2.4	1985	1.4	585.8	30000		A604_585.8 P80 BXN80MA4	331	
2.5	1837	1.5	542.0	30000		A604_542.0 P80 BXN80MA4	331	
2.7	1747	2.9	515.4	50000		A704_515.4 P80 BXN80MA4	335	
2.8	1696	1.7	500.3	30000		A604_500.3 P80 BXN80MA4	331	
2.9	1632	0.9	481.6	20000		A504_481.6 P80 BXN80MA4	323	
2.9	1612	3.1	475.8	50000		A704_475.8 P80 BXN80MA4	335	
3.1	1514	1.0	446.8	20000		A504_446.8 P80 BXN80MA4	323	
3.1	1486	1.9	438.4	30000		A604_438.4 P80 BXN80MA4	331	
3.4	1378	1.1	406.4	20000		A504_406.4 P80 BXN80MA4	323	
3.4	1372	2.0	404.7	30000		A604_404.7 P80 BXN80MA4	331	
3.8	1239	1.2	365.6	20000		A504_365.6 P80 BXN80MA4	323	
3.9	1190	2.4	351.2	30000		A604_351.2 P80 BXN80MA4	331	
4.1	1127	1.3	332.6	20000		A504_332.6 P80 BXN80MA4	323	
4.3	1099	2.5	324.2	30000		A604_324.2 P80 BXN80MA4	331	
4.8	972	1.5	286.8	20000		A504_286.8 P80 BXN80MA4	323	
4.8	970	2.9	286.3	30000		A604_286.3 P80 BXN80MA4	331	
5.2	896	3.1	264.3	30000		A604_264.3 P80 BXN80MA4	331	
5.3	910	0.9	262.5	15000		A413_262.5 S20 MXN20MA4	318	
5.3	884	1.7	260.9	20000	A413_240.6 S20 MXN20MA4	A504_260.9 P80 BXN80MA4	323	
5.7	834	1.0	240.6	15000		A413_240.6 P80 BXN80MA4	319	
5.9	786	1.9	232.0	20000		A504_232.0 P80 BXN80MA4	323	
6.3	753	1.1	217.4	15000	A413_217.4 S20 MXN20MA4	318	A413_217.4 P80 BXN80MA4	319
6.5	715	2.1	211.0	20000		A504_211.0 P80 BXN80MA4	323	
7.0	685	1.2	197.5	15000	A413_197.5 S20 MXN20MA4	318	A413_197.5 P80 BXN80MA4	319
7.1	673	3.0	194.2	30000	A353_188.3 S20 MXN20MA4	A553_194.2 P80 BXN80MA4	327	
7.2	660	2.3	190.6	20000		A503_190.6 P80 BXN80MA4	323	
7.3	653	0.9	188.3	12000		A353_188.3 P80 BXN80MA4	315	
7.5	639	1.3	184.4	15000		A413_184.4 S20 MXN20MA4	318	
7.9	607	3.3	175.0	30000		A553_175.0 P80 BXN80MA4	327	
8.0	601	2.5	173.4	20000	A353_171.8 S20 MXN20MA4	A503_173.4 P80 BXN80MA4	323	
8.0	595	1.0	171.8	12000		A353_171.8 P80 BXN80MA4	315	
9.0	532	2.8	154.6	20000		A503_154.6 P80 BXN80MA4	323	
9.2	522	1.1	150.6	12000		A353_150.6 P80 BXN80MA4	315	
9.4	509	1.7	146.9	15000	A413_146.9 S20 MXN20MA4	318	A413_146.9 P80 BXN80MA4	319
9.9	484	3.1	140.6	20000	A353_136.3 S20 MXN20MA4	A503_140.6 P80 BXN80MA4	323	
10.1	472	1.2	136.3	12000		A353_136.3 P80 BXN80MA4	315	
10.7	446	3.4	129.7	20000		A503_129.7 P80 BXN80MA4	323	
11.8	405	1.4	116.9	12000		A353_116.9 P80 BXN80MA4	315	
11.9	402	2.1	115.9	15000	A413_115.9 S20 MXN20MA4	318	A413_115.9 P80 BXN80MA4	319
13.1	366	1.4	105.5	12000	A353_105.5 S20 MXN20MA4	314	A353_105.5 P80 BXN80MA4	315
14.2	349	0.9	97.5	9600	A413_92.8 S20 MXN20MA4	A302_97.5 P80 BXN80MA4	311	
14.4	342	1.6	95.6	12000		A352_95.6 P80 BXN80MA4	315	
14.9	321	2.5	92.8	15000		A413_92.8 P80 BXN80MA4	319	
15.9	310	1.0	86.7	9420		A302_86.7 P80 BXN80MA4	311	
16.7	295	2.0	82.5	12000		A352_82.5 P80 BXN80MA4	315	
17.4	284	3.0	79.2	15000	A202_63.1 S20 MXN20MA4	A412_79.2 P80 BXN80MA4	319	
18.0	274	1.3	76.5	9180		A302_76.5 P80 BXN80MA4	311	
18.6	266	2.3	74.3	12000		A352_74.3 P80 BXN80MA4	315	
19.4	255	3.3	71.3	15000		A412_71.3 P80 BXN80MA4	319	
20.9	236	1.6	66.0	8880		A302_66.0 P80 BXN80MA4	311	
21.0	236	2.5	65.8	12000	A202_63.1 S20 MXN20MA4	A352_65.8 P80 BXN80MA4	315	
21.9	226	1.1	63.1	5840		A202_63.1 P80 BXN80MA4	307	
22.9	216	2.8	60.4	12000		A352_60.4 P80 BXN80MA4	315	



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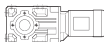




n2 min-1	M2 Nm	S	i	Rn2 N	 IE3	 IE3	 IE3	
23.2	213	1.9	59.4	8660	A202_53.7 S20 MXN20MA4	306	A302_59.4 P80 BXN80MA4	311
25.4	194	3.1	54.3	12000			A352_54.3 P80 BXN80MA4	315
25.7	192	1.3	53.7	5670			A202_53.7 P80 BXN80MA4	307
26.2	189	2.2	52.7	8410			A302_52.7 P80 BXN80MA4	311
28.1	176	3.4	49.1	12000			A352_49.1 P80 BXN80MA4	315
28.6	173	1.4	48.3	5560	A202_48.3 S20 MXN20MA4	306	A202_48.3 P80 BXN80MA4	307
28.6	173	2.4	48.3	8230	A102_45.4 S20 MXN20MA4	302	A302_48.3 P80 BXN80MA4	311
30	163	0.9	45.4	4910			A102_45.4 P80 BXN80MA4	303
32	155	2.6	43.4	8010			A302_43.4 P80 BXN80MA4	311
32	155	1.6	43.2	5440	A202_43.2 S20 MXN20MA4	306	A202_43.2 P80 BXN80MA4	307
34	146	1.0	40.9	5500	A102_40.9 S20 MXN20MA4	302	A102_40.9 P80 BXN80MA4	303
35	142	1.8	39.6	5340	A202_39.6 S20 MXN20MA4	306	A202_39.6 P80 BXN80MA4	307
35	141	2.9	39.3	7800	A202_39.6 S20 MXN20MA4	306	A302_39.3 P80 BXN80MA4	311
38	131	3.1	36.6	7660			A302_36.6 P80 BXN80MA4	311
39	127	2.0	35.4	5200			A202_35.4 P80 BXN80MA4	307
39	126	1.2	35.1	4700	A102_35.1 S20 MXN20MA4	302	A102_35.1 P80 BXN80MA4	303
41	120	3.4	33.4	7480	A102_32.2 S20 MXN20MA4	302	A302_33.4 P80 BXN80MA4	311
43	115	1.3	32.2	5490			A102_32.2 P80 BXN80MA4	303
44	112	2.2	31.3	5060			A202_31.3 P80 BXN80MA4	307
47	105	2.4	29.2	4970	A202_29.2 S20 MXN20MA4	306	A202_29.2 P80 BXN80MA4	307
48	102	1.0	28.6	2550	A102_28.6 S20 MXN20MA4	302	A052_28.6 P80 BXN80MA4	299
48	102	1.5	28.6	4510			A102_28.6 P80 BXN80MA4	303
52	95	2.6	26.5	4850			A202_26.5 P80 BXN80MA4	307
54	91	1.1	25.5	2510	A102_25.5 S20 MXN20MA4	302	A052_25.5 P80 BXN80MA4	299
54	91	1.6	25.5	5230			A102_25.5 P80 BXN80MA4	303
58	85	1.2	23.8	2490	A102_23.8 S20 MXN20MA4	302	A052_23.8 P80 BXN80MA4	299
58	85	1.8	23.8	4330			A102_23.8 P80 BXN80MA4	303
60	83	3.0	23.1	4690			A202_23.1 P80 BXN80MA4	307
65	76	1.3	21.4	2450	A102_21.4 S20 MXN20MA4	302	A052_21.4 P80 BXN80MA4	299
65	76	2.0	21.4	5020			A102_21.4 P80 BXN80MA4	303
65	76	3.3	21.2	4590	A202_21.2 S20 MXN20MA4	306	A202_21.2 P80 BXN80MA4	307
74	66	1.5	18.6	2400	A102_18.6 S20 MXN20MA4	302	A052_18.6 P80 BXN80MA4	299
74	66	2.3	18.6	4090			A102_18.6 P80 BXN80MA4	303
84	59	1.7	16.4	2340			A052_16.4 P80 BXN80MA4	299
84	59	2.5	16.4	4710	A102_16.4 S20 MXN20MA4	302	A102_16.4 P80 BXN80MA4	303
99	50	2.0	13.9	2270	A102_13.9 S20 MXN20MA4	302	A052_13.9 P80 BXN80MA4	299
99	50	3.0	13.9	3800			A102_13.9 P80 BXN80MA4	303
112	44	2.3	12.3	2220			A052_12.3 P80 BXN80MA4	299
112	44	3.2	12.3	3670	A102_12.3 S20 MXN20MA4	302	A102_12.3 P80 BXN80MA4	303
131	38	2.6	10.6	2130			A052_10.6 P80 BXN80MA4	299
144	34	2.9	9.6	2100			A052_9.6 P80 BXN80MA4	299
162	30	3.3	8.5	2030			A052_8.5 P80 BXN80MA4	299
171	29	3.1	16.4	2000			A052_7.2 P80 BXN80MA4	299
191	26	3.9	7.2	1950				
218	23	4.4	6.3	1880				
229	22	4.6	12.3	1860			A052_5.5 P80 BXN80MA4	299
252	19.6	4.9	5.5	1810				
267	18.5	4.3	10.6	1780				
293	16.8	5.6	9.6	1740				
331	14.9	6.0	8.5	1680				
391	12.6	6.7	7.2	1600				
445	11.1	7.2	6.3	1540				
516	9.6	7.8	5.5	1480				

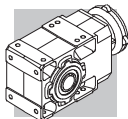
0.75 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IE2	 IE3
0.58	11068	1.3	1632	75000	A904_1632 S3 ME3SA6	340	A904_1632 P90 BE90S6	341
0.62	10220	1.4	1507	75000	A904_1507 S3 ME3SA6	340	A904_1507 P90 BE90S6	341
0.71	8979	1.6	1324	75000	A904_1324 S3 ME3SA6	340	A904_1324 P90 BE90S6	341
0.77	8287	1.7	1222	75000	A904_1222 S3 ME3SA6	340	A904_1222 P90 BE90S6	341

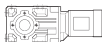





0.75 kW

n ₂	M ₂	S	i	R _{n2}						
min ⁻¹	Nm			N	IE2	IE3	IE2	IE3		
0.88	7264	1.9	1632	75000	A904_1632 S2 ME2SB4	A904_1632 S2 MX2SB4	340	A904_1632 P80 BE80B4	A904_1632 P80 BX80B4	341
0.92	6932	1.2	1558	65000	A804_1558 S2 ME2SB4	A804_1558 S2 MX2SB4	337	A804_1558 P80 BE80B4	A804_1558 P80 BX80B4	338
0.95	6705	2.1	1507	75000	A904_1507 S2 ME2SB4	A904_1507 S2 MX2SB4	340	A904_1507 P80 BE80B4	A904_1507 P80 BX80B4	341
0.99	6398	1.3	1438	65000	A804_1438 S2 ME2SB4	A804_1438 S2 MX2SB4	337	A804_1438 P80 BE80B4	A804_1438 P80 BX80B4	338
1.1	5963	1.3	1340	65000	A804_1340 S2 ME2SB4	A804_1340 S2 MX2SB4	337	A804_1340 P80 BE80B4	A804_1340 P80 BX80B4	338
1.1	5892	2.4	1324	75000	A904_1324 S2 ME2SB4	A904_1324 S2 MX2SB4	340	A904_1324 P80 BE80B4	A904_1324 P80 BX80B4	341
1.2	5528	0.9	1242	50000	A704_1242 S2 ME2SB4	A704_1242 S2 MX2SB4	334	A704_1242 P80 BE80B4	A704_1242 P80 BX80B4	335
1.2	5504	1.5	1237	65000	A804_1237 S2 ME2SB4	A804_1237 S2 MX2SB4	337	A804_1237 P80 BE80B4	A804_1237 P80 BX80B4	338
1.2	5439	2.6	1222	75000	A904_1222 S2 ME2SB4	A904_1222 S2 MX2SB4	340	A904_1222 P80 BE80B4	A904_1222 P80 BX80B4	341
1.2	5169	1.0	1161	50000	A704_1161 S2 ME2SB4	A704_1161 S2 MX2SB4	334	A704_1161 P80 BE80B4	A704_1161 P80 BX80B4	335
1.3	4942	2.8	1111	75000	A904_1111 S2 ME2SB4	A904_1111 S2 MX2SB4	340	A904_1111 P80 BE80B4	A904_1111 P80 BX80B4	341
1.3	4828	1.7	1085	65000	A804_1085 S2 ME2SB4	A804_1085 S2 MX2SB4	337	A804_1085 P80 BE80B4	A804_1085 P80 BX80B4	338
1.3	4771	1.0	1072	50000	A704_1072 S2 ME2SB4	A704_1072 S2 MX2SB4	334	A704_1072 P80 BE80B4	A704_1072 P80 BX80B4	335
1.4	4562	3.1	1025	75000	A904_1025 S2 ME2SB4	A904_1025 S2 MX2SB4	340	A904_1025 P80 BE80B4	A904_1025 P80 BX80B4	341
1.4	4456	1.8	1001	65000	A804_1001 S2 ME2SB4	A804_1001 S2 MX2SB4	337	A804_1001 P80 BE80B4	A804_1001 P80 BX80B4	338
1.5	4170	3.4	937.2	75000	A904_937.2 S2 ME2SB4	A904_937.2 S2 MX2SB4	340	A904_937.2 P80 BE80B4	A904_937.2 P80 BX80B4	341
1.5	4123	1.2	926.5	50000	A704_926.5 S2 ME2SB4	A704_926.5 S2 MX2SB4	334	A704_926.5 P80 BE80B4	A704_926.5 P80 BX80B4	335
1.6	3999	2.0	898.7	65000	A804_898.7 S2 ME2SB4	A804_898.7 S2 MX2SB4	337	A804_898.7 P80 BE80B4	A804_898.7 P80 BX80B4	338
1.7	3806	1.3	855.3	50000	A704_855.3 S2 ME2SB4	A704_855.3 S2 MX2SB4	334	A704_855.3 P80 BE80B4	A704_855.3 P80 BX80B4	335
1.7	3691	2.2	829.5	65000	A804_829.5 S2 ME2SB4	A804_829.5 S2 MX2SB4	337	A804_829.5 P80 BE80B4	A804_829.5 P80 BX80B4	338
1.9	3399	1.5	763.9	50000	A704_763.9 S2 ME2SB4	A704_763.9 S2 MX2SB4	334	A704_763.9 P80 BE80B4	A704_763.9 P80 BX80B4	335
1.9	3391	2.4	762.1	65000	A804_762.1 S2 ME2SB4	A804_762.1 S2 MX2SB4	337	A804_762.1 P80 BE80B4	A804_762.1 P80 BX80B4	338
2.0	3138	1.6	705.1	50000	A704_705.1 S2 ME2SB4	A704_705.1 S2 MX2SB4	334	A704_705.1 P80 BE80B4	A704_705.1 P80 BX80B4	335
2.0	3130	2.6	703.5	65000	A804_703.5 S2 ME2SB4	A804_703.5 S2 MX2SB4	337	A804_703.5 P80 BE80B4	A804_703.5 P80 BX80B4	338
2.1	3103	0.9	697.3	30000	A604_697.3 S2 ME2SB4	A604_697.3 S2 MX2SB4	330	A604_697.3 P80 BE80B4	A604_697.3 P80 BX80B4	331
2.2	2869	1.7	644.6	50000	A704_644.6 S2 ME2SB4	A704_644.6 S2 MX2SB4	334	A704_644.6 P80 BE80B4	A704_644.6 P80 BX80B4	335
2.3	2824	1.0	634.6	30000	A604_634.6 S2 ME2SB4	A604_634.6 S2 MX2SB4	330	A604_634.6 P80 BE80B4	A604_634.6 P80 BX80B4	331
2.4	2702	3.0	607.2	65000	A804_607.2 S2 ME2SB4	A804_607.2 S2 MX2SB4	337	A804_607.2 P80 BE80B4	A804_607.2 P80 BX80B4	338
2.4	2648	1.9	595.0	50000	A704_595.0 S2 ME2SB4	A704_595.0 S2 MX2SB4	334	A704_595.0 P80 BE80B4	A704_595.0 P80 BX80B4	335
2.4	2607	1.1	585.8	30000	A604_585.8 S2 ME2SB4	A604_585.8 S2 MX2SB4	330	A604_585.8 P80 BE80B4	A604_585.8 P80 BX80B4	331
2.6	2494	3.2	560.5	65000	A804_560.5 S2 ME2SB4	A804_560.5 S2 MX2SB4	337	A804_560.5 P80 BE80B4	A804_560.5 P80 BX80B4	338
2.6	2412	1.2	542.0	30000	A604_542.0 S2 ME2SB4	A604_542.0 S2 MX2SB4	330	A604_542.0 P80 BE80B4	A604_542.0 P80 BX80B4	331
2.8	2294	2.2	515.4	50000	A704_515.4 S2 ME2SB4	A704_515.4 S2 MX2SB4	334	A704_515.4 P80 BE80B4	A704_515.4 P80 BX80B4	335
2.9	2226	1.3	500.3	30000	A604_500.3 S2 ME2SB4	A604_500.3 S2 MX2SB4	330	A604_500.3 P80 BE80B4	A604_500.3 P80 BX80B4	331
3.0	2117	2.4	475.8	50000	A704_475.8 S2 ME2SB4	A704_475.8 S2 MX2SB4	334	A704_475.8 P80 BE80B4	A704_475.8 P80 BX80B4	335
3.3	1951	1.4	438.4	30000	A604_438.4 S2 ME2SB4	A604_438.4 S2 MX2SB4	330	A604_438.4 P80 BE80B4	A604_438.4 P80 BX80B4	331
3.5	1842	1.1	414.0	30000	A554_414.0 S2 ME2SB4	A554_414.0 S2 MX2SB4	326	A554_414.0 P80 BE80B4	A554_414.0 P80 BX80B4	327
3.5	1801	1.6	404.7	30000	A604_404.7 S2 ME2SB4	A604_404.7 S2 MX2SB4	330	A604_404.7 P80 BE80B4	A604_404.7 P80 BX80B4	331
3.6	1781	2.8	400.2	50000	A704_400.2 S2 ME2SB4	A704_400.2 S2 MX2SB4	334	A704_400.2 P80 BE80B4	A704_400.2 P80 BX80B4	335
3.9	1644	3.0	369.4	50000	A704_369.4 S2 ME2SB4	A704_369.4 S2 MX2SB4	334	A704_369.4 P80 BE80B4	A704_369.4 P80 BX80B4	335
3.9	1627	0.9	365.6	20000	A504_365.6 S2 ME2SB4	A504_365.6 S2 MX2SB4	322	A504_365.6 P80 BE80B4	A504_365.6 P80 BX80B4	323
4.1	1563	1.8	351.2	30000	A604_351.2 S2 ME2SB4	A604_351.2 S2 MX2SB4	330	A604_351.2 P80 BE80B4	A604_351.2 P80 BX80B4	331
4.3	1480	1.0	332.6	20000	A504_332.6 S2 ME2SB4	A504_332.6 S2 MX2SB4	322	A504_332.6 P80 BE80B4	A504_332.6 P80 BX80B4	323
4.4	1445	1.4	324.7	30000	A554_324.7 S2 ME2SB4	A554_324.7 S2 MX2SB4	326	A554_324.7 P80 BE80B4	A554_324.7 P80 BX80B4	327
4.4	1443	1.9	324.2	30000	A604_324.2 S2 ME2SB4	A604_324.2 S2 MX2SB4	330	A604_324.2 P80 BE80B4	A604_324.2 P80 BX80B4	331
4.5	1408	3.6	316.4	50000	A704_316.4 S2 ME2SB4	A704_316.4 S2 MX2SB4	334	A704_316.4 P80 BE80B4	A704_316.4 P80 BX80B4	335
5.0	1276	1.2	286.8	20000	A504_286.8 S2 ME2SB4	A504_286.8 S2 MX2SB4	322	A504_286.8 P80 BE80B4	A504_286.8 P80 BX80B4	323
5.0	1274	2.2	286.3	30000	A604_286.3 S2 ME2SB4	A604_286.3 S2 MX2SB4	330	A604_286.3 P80 BE80B4	A604_286.3 P80 BX80B4	331
5.4	1176	2.4	264.3	30000	A604_264.3 S2 ME2SB4	A604_264.3 S2 MX2SB4	330	A604_264.3 P80 BE80B4	A604_264.3 P80 BX80B4	331
5.4	1169	1.7	262.6	30000	A554_262.6 S2 ME2SB4	A554_262.6 S2 MX2SB4	326	A554_262.6 P80 BE80B4	A554_262.6 P80 BX80B4	327
5.5	1161	1.3	260.9	20000	A504_260.9 S2 ME2SB4	A504_260.9 S2 MX2SB4	322	A504_260.9 P80 BE80B4	A504_260.9 P80 BX80B4	323
6.2	1032	1.5	232.0	20000	A504_232.0 S2 ME2SB4	A504_232.0 S2 MX2SB4	322	A504_232.0 P80 BE80B4	A504_232.0 P80 BX80B4	323
6.3	1006	2.8	226.1	30000	A604_226.1 S2 ME2SB4	A604_226.1 S2 MX2SB4	330	A604_226.1 P80 BE80B4	A604_226.1 P80 BX80B4	331
6.8	939	1.6	211.0	20000	A504_211.0 S2 ME2SB4	A504_211.0 S2 MX2SB4	322	A504_211.0 P80 BE80B4	A504_211.0 P80 BX80B4	323
6.9	929	3.0	208.7	30000	A604_208.7 S2 ME2SB4	A604_208.7 S2 MX2SB4	330	A604_208.7 P80 BE80B4	A604_208.7 P80 BX80B4	331
6.9	926	2.1	208.1	30000	A554_208.1 S2 ME2SB4	A554_208.1 S2 MX2SB4	326	A554_208.1 P80 BE80B4	A554_208.1 P80 BX80B4	327
7.2	899	0.9	197.5	15000	A413_197.5 S2 ME2SB4	A413_197.5 S2 MX2SB4	318	A413_197.5 P80 BE80B4	A413_197.5 P80 BX80B4	319
7.4	884	2.3	194.2	30000	A553_194.2 S2 ME2SB4	A553_194.2 S2 MX2SB4	326	A553_194.2 P80 BE80B4	A553_194.2 P80 BX80B4	327
7.5	867	1.7	190.6	20000	A503_190.6 S2 ME2SB4	A503_190.6 S2 MX2SB4	322	A503_190.6 P80 BE80B4	A503_190.6 P80 BX80B4	323
7.7	845	3.3	185.8	30000	A603_185.8 S2 ME2SB4	A603_185.8 S2 MX2SB4	330	A603_185.8 P80 BE80B4	A603_185.8 P80 BX80B4	331
7.8	839	1.0	184.4	15000	A413_184.4 S2 ME2SB4	A413_184.4 S2 MX2SB4	318	A413_184.4 P80 BE80B4	A413_184.4 P80 BX80B4	319
8.2	796	2.5	175.0	30000	A553_175.0 S2 ME2SB4	A553_175.0 S2 MX2SB4	326	A553_175.0 P80 BE80B4	A553_175.0 P80 BX80B4	327
8.2	789	1.9	173.4	20000	A503_173.4 S2 ME2SB4	A503_173.4 S2 MX2SB4	322	A503_173.4 P80 BE80B4	A503_173.4 P80 BX80B4	323
8.3	780	3.6	171.5	30000	A603_171.5 S2 ME2SB4	A603_171.5 S2 MX2SB4	330	A603_171.5 P80 BE80B4	A603_171.5 P80 BX80B4	331
8.9	730	2.7	160.4	30000	A553_160.4 S2 ME2SB4	A553_160.4 S2 MX2SB4	326	A553_160.4 P80 BE80B4	A553_160.4 P80 BX80B4	327







0.75 kW



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE2	IE3	IE2	IE3		
9.3	703	2.1	154.6	20000	A503_154.6 S2 ME2SB4	A503_154.6 S2 MX2SB4	322	A503_154.6 P80 BE80B4	A503_154.6 P80 BX80B4	323
9.7	668	1.3	146.9	15000	A413_146.9 S2 ME2SB4	A413_146.9 S2 MX2SB4	318	A413_146.9 P80 BE80B4	A413_146.9 P80 BX80B4	319
9.7	668	3.0	146.8	30000	A553_146.8 S2 ME2SB4	A553_146.8 S2 MX2SB4	326	A553_146.8 P80 BE80B4	A553_146.8 P80 BX80B4	327
10.2	640	2.3	140.6	20000	A503_140.6 S2 ME2SB4	A503_140.6 S2 MX2SB4	322	A503_140.6 P80 BE80B4	A503_140.6 P80 BX80B4	323
10.5	620	0.9	136.3	12000	A353_136.3 S2 ME2SB4	A353_136.3 S2 MX2SB4	314	A353_136.3 P80 BE80B4	A353_136.3 P80 BX80B4	315
10.8	604	3.3	132.7	30000	A553_132.7 S2 ME2SB4	A553_132.7 S2 MX2SB4	326	A553_132.7 P80 BE80B4	A553_132.7 P80 BX80B4	327
11.0	590	2.5	129.7	20000	A503_129.7 S2 ME2SB4	A503_129.7 S2 MX2SB4	322	A503_129.7 P80 BE80B4	A503_129.7 P80 BX80B4	323
11.5	564	3.5	123.9	30000	A553_123.9 S2 ME2SB4	A553_123.9 S2 MX2SB4	326	A553_123.9 P80 BE80B4	A553_123.9 P80 BX80B4	327
12.1	537	2.8	118.0	20000	A503_118.0 S2 ME2SB4	A503_118.0 S2 MX2SB4	322	A503_118.0 P80 BE80B4	A503_118.0 P80 BX80B4	323
12.2	532	1.1	116.9	12000	A353_116.9 S2 ME2SB4	A353_116.9 S2 MX2SB4	314	A353_116.9 P80 BE80B4	A353_116.9 P80 BX80B4	315
12.3	527	1.6	115.9	15000	A413_115.9 S2 ME2SB4	A413_115.9 S2 MX2SB4	318	A413_115.9 P80 BE80B4	A413_115.9 P80 BX80B4	319
13.1	498	3.0	109.4	20000	A503_109.4 S2 ME2SB4	A503_109.4 S2 MX2SB4	322	A503_109.4 P80 BE80B4	A503_109.4 P80 BX80B4	323
13.5	480	1.1	105.5	12000	A353_105.5 S2 ME2SB4	A353_105.5 S2 MX2SB4	314	A353_105.5 P80 BE80B4	A353_105.5 P80 BX80B4	315
14.4	453	3.3	99.5	20000	A503_99.5 S2 ME2SB4	A503_99.5 S2 MX2SB4	322	A503_99.5 P80 BE80B4	A503_99.5 P80 BX80B4	323
15.0	450	1.2	95.6	12000	A352_95.6 S2 ME2SB4	A352_95.6 S2 MX2SB4	314	A352_95.6 P80 BE80B4	A352_95.6 P80 BX80B4	315
15.4	422	1.9	92.8	15000	A413_92.8 S2 ME2SB4	A413_92.8 S2 MX2SB4	318	A413_92.8 P80 BE80B4	A413_92.8 P80 BX80B4	319
17.3	388	1.5	82.5	12000	A352_82.5 S2 ME2SB4	A352_82.5 S2 MX2SB4	314	A352_82.5 P80 BE80B4	A352_82.5 P80 BX80B4	315
18.0	372	2.3	79.2	15000	A412_79.2 S2 ME2SB4	A412_79.2 S2 MX2SB4	318	A412_79.2 P80 BE80B4	A412_79.2 P80 BX80B4	319
18.7	360	1.0	76.5	8580	A302_76.5 S2 ME2SB4	A302_76.5 S2 MX2SB4	310	A302_76.5 P80 BE80B4	A302_76.5 P80 BX80B4	311
19.3	349	1.7	74.3	12000	A352_74.3 S2 ME2SB4	A352_74.3 S2 MX2SB4	314	A352_74.3 P80 BE80B4	A352_74.3 P80 BX80B4	315
20.1	335	2.5	71.3	15000	A412_71.3 S2 ME2SB4	A412_71.3 S2 MX2SB4	318	A412_71.3 P80 BE80B4	A412_71.3 P80 BX80B4	319
21.7	310	1.3	66.0	8360	A302_66.0 S2 ME2SB4	A302_66.0 S2 MX2SB4	310	A302_66.0 P80 BE80B4	A302_66.0 P80 BX80B4	311
21.7	309	1.9	65.8	12000	A352_65.8 S2 ME2SB4	A352_65.8 S2 MX2SB4	314	A352_65.8 P80 BE80B4	A352_65.8 P80 BX80B4	315
22.3	302	2.8	64.2	15000	A412_64.2 S2 ME2SB4	A412_64.2 S2 MX2SB4	318	A412_64.2 P80 BE80B4	A412_64.2 P80 BX80B4	319
23.7	284	2.1	60.4	12000	A352_60.4 S2 ME2SB4	A352_60.4 S2 MX2SB4	314	A352_60.4 P80 BE80B4	A352_60.4 P80 BX80B4	315
24.1	279	1.4	59.4	8190	A302_59.4 S2 ME2SB4	A302_59.4 S2 MX2SB4	310	A302_59.4 P80 BE80B4	A302_59.4 P80 BX80B4	311
24.3	276	3.1	58.8	15000	A412_58.8 S2 ME2SB4	A412_58.8 S2 MX2SB4	318	A412_58.8 P80 BE80B4	A412_58.8 P80 BX80B4	319
26.3	255	2.4	54.3	12000	A352_54.3 S2 ME2SB4	A352_54.3 S2 MX2SB4	314	A352_54.3 P80 BE80B4	A352_54.3 P80 BX80B4	315
26.7	252	1.0	53.7	5210	A202_53.7 S2 ME2SB4	A202_53.7 S2 MX2SB4	306	A202_53.7 P80 BE80B4	A202_53.7 P80 BX80B4	307
26.9	250	3.4	53.1	15000	A412_53.1 S2 ME2SB4	A412_53.1 S2 MX2SB4	318	A412_53.1 P80 BE80B4	A412_53.1 P80 BX80B4	319
27.1	248	1.7	52.7	7990	A302_52.7 S2 ME2SB4	A302_52.7 S2 MX2SB4	310	A302_52.7 P80 BE80B4	A302_52.7 P80 BX80B4	311
29.1	231	2.6	49.1	12000	A352_49.1 S2 ME2SB4	A352_49.1 S2 MX2SB4	314	A352_49.1 P80 BE80B4	A352_49.1 P80 BX80B4	315
29.6	227	1.1	48.3	5140	A202_48.3 S2 ME2SB4	A202_48.3 S2 MX2SB4	306	A202_48.3 P80 BE80B4	A202_48.3 P80 BX80B4	307
29.6	227	1.8	48.3	7840	A302_48.3 S2 ME2SB4	A302_48.3 S2 MX2SB4	310	A302_48.3 P80 BE80B4	A302_48.3 P80 BX80B4	311
31	215	2.8	45.8	12000	A352_45.8 S2 ME2SB4	A352_45.8 S2 MX2SB4	314	A352_45.8 P80 BE80B4	A352_45.8 P80 BX80B4	315
33	204	2.0	43.4	7660	A302_43.4 S2 ME2SB4	A302_43.4 S2 MX2SB4	310	A302_43.4 P80 BE80B4	A302_43.4 P80 BX80B4	311
33	203	1.2	43.2	5060	A202_43.2 S2 ME2SB4	A202_43.2 S2 MX2SB4	306	A202_43.2 P80 BE80B4	A202_43.2 P80 BX80B4	307
34	196	3.1	41.8	11900	A352_41.8 S2 ME2SB4	A352_41.8 S2 MX2SB4	314	A352_41.8 P80 BE80B4	A352_41.8 P80 BX80B4	315
36	186	1.3	39.6	4990	A202_39.6 S2 ME2SB4	A202_39.6 S2 MX2SB4	306	A202_39.6 P80 BE80B4	A202_39.6 P80 BX80B4	307
36	185	2.2	39.3	7480	A302_39.3 S2 ME2SB4	A302_39.3 S2 MX2SB4	310	A302_39.3 P80 BE80B4	A302_39.3 P80 BX80B4	311
39	172	2.4	36.6	7360	A302_36.6 S2 ME2SB4	A302_36.6 S2 MX2SB4	310	A302_36.6 P80 BE80B4	A302_36.6 P80 BX80B4	311
39	172	3.5	36.6	11500	A352_36.6 S2 ME2SB4	A352_36.6 S2 MX2SB4	314	A352_36.6 P80 BE80B4	A352_36.6 P80 BX80B4	315
40	167	1.5	35.4	4890	A202_35.4 S2 ME2SB4	A202_35.4 S2 MX2SB4	306	A202_35.4 P80 BE80B4	A202_35.4 P80 BX80B4	307
41	165	0.9	35.1	4320	A102_35.1 S2 ME2SB4	A102_35.1 S2 MX2SB4	302	A102_35.1 P80 BE80B4	A102_35.1 P80 BX80B4	303
43	157	2.6	33.4	7200	A302_33.4 S2 ME2SB4	A302_33.4 S2 MX2SB4	310	A302_33.4 P80 BE80B4	A302_33.4 P80 BX80B4	311
44	151	1.0	32.2	5080	A102_32.2 S2 ME2SB4	A102_32.2 S2 MX2SB4	302	A102_32.2 P80 BE80B4	A102_32.2 P80 BX80B4	303
46	147	1.7	31.3	4780	A202_31.3 S2 ME2SB4	A202_31.3 S2 MX2SB4	306	A202_31.3 P80 BE80B4	A202_31.3 P80 BX80B4	307
49	138	3.0	29.3	6960	A302_29.3 S2 ME2SB4	A302_29.3 S2 MX2SB4	310	A302_29.3 P80 BE80B4	A302_29.3 P80 BX80B4	311
49	137	1.8	29.2	4710	A202_29.2 S2 ME2SB4	A202_29.2 S2 MX2SB4	306	A202_29.2 P80 BE80B4	A202_29.2 P80 BX80B4	307
50	134	1.1	28.6	4200	A102_28.6 S2 ME2SB4	A102_28.6 S2 MX2SB4	302	A102_28.6 P80 BE80B4	A102_28.6 P80 BX80B4	303
54	125	3.3	26.5	6790	A302_26.5 S2 ME2SB4	A302_26.5 S2 MX2SB4	310	A302_26.5 P80 BE80B4	A302_26.5 P80 BX80B4	311
54	124	2.0	26.5	4620	A202_26.5 S2 ME2SB4	A202_26.5 S2 MX2SB4	306	A202_26.5 P80 BE80B4	A202_26.5 P80 BX80B4	307
56	120	1.3	25.5	4900	A102_25.5 S2 ME2SB4	A102_25.5 S2 MX2SB4	302	A102_25.5 P80 BE80B4	A102_25.5 P80 BX80B4	303
60	112	0.9	23.8	2200	A052_23.8 S2 ME2SB4	A052_23.8 S2 MX2SB4	299	A052_23.8 P80 BE80B4	A052_23.8 P80 BX80B4	299
60	112	1.3	23.8	4070	A102_23.8 S2 ME2SB4	A102_23.8 S2 MX2SB4	302	A102_23.8 P80 BE80B4	A102_23.8 P80 BX80B4	303
62	109	2.3	23.1	4480	A202_23.1 S2 ME2SB4	A202_23.1 S2 MX2SB4	306	A202_23.1 P80 BE80B4	A202_23.1 P80 BX80B4	307
67	100	1.0	21.4	2210	A052_21.4 S2 ME2SB4	A052_21.4 S2 MX2SB4	299	A052_21.4 P80 BE80B4	A052_21.4 P80 BX80B4	299
67	100	1.5	21.4	4740	A102_21.4 S2 ME2SB4	A102_21.4 S2 MX2SB4	302	A102_21.4 P80 BE80B4	A102_21.4 P80 BX80B4	303
67	100	2.5	21.2	4390	A202_21.2 S2 ME2SB4	A202_21.2 S2 MX2SB4	306	A202_21.2 P80 BE80B4	A202_21.2 P80 BX80B4	307
77	87	1.1	18.6	2190	A052_18.6 S2 ME2SB4	A052_18.6 S2 MX2SB4	299	A052_18.6 P80 BE80B4	A052_18.6 P80 BX80B4	299
77	87	1.7	18.6	3880	A102_18.6 S2 ME2SB4	A102_18.6 S2 MX2SB4	302	A102_18.6 P80 BE80B4	A102_18.6 P80 BX80B4	303
79	85	2.9	18.1	4230	A202_18.1 S2 ME2SB4	A202_18.1 S2 MX2SB4	306	A202_18.1 P80 BE80B4	A202_18.1 P80 BX80B4	307
87	77	1.3	16.4	2160	A052_16.4 S2 ME2SB4	A052_16.4 S2 MX2SB4	299	A052_16.4 P80 BE80B4	A052_16.4 P80 BX80B4	299
87	77	1.9	16.4	4490	A102_16.4 S2 ME2SB4	A102_16.4 S2 MX2SB4	302	A102_16.4 P80 BE80B4	A102_16.4 P80 BX80B4	303
88	76	3.3	16.2	4110	A202_16.2 S2 ME2SB4	A202_16.2 S2 MX2SB4	306	A202_16.2 P80 BE80B4	A202_16.2 P80 BX80B4	307



0.75 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IE2	 IE3
103	65	1.5	13.9	2110	A052_13.9 S2 ME2SB4	A052_13.9 S2 MX2SB4	A052_13.9 P80 BE80B4	A052_13.9 P80 BX80B4
103	65	2.3	13.9	3640	A102_13.9 S2 ME2SB4	A102_13.9 S2 MX2SB4	A102_13.9 P80 BE80B4	A102_13.9 P80 BX80B4
116	58	1.7	12.3	2080	A052_12.3 S2 ME2SB4	A052_12.3 S2 MX2SB4	A052_12.3 P80 BE80B4	A052_12.3 P80 BX80B4
116	58	2.4	12.3	3530	A102_12.3 S2 ME2SB4	A102_12.3 S2 MX2SB4	A102_12.3 P80 BE80B4	A102_12.3 P80 BX80B4
135	50	2.0	10.6	2010	A052_10.6 S2 ME2SB4	A052_10.6 S2 MX2SB4	A052_10.6 P80 BE80B4	A052_10.6 P80 BX80B4
135	50	3.0	10.6	3400	A102_10.6 S2 ME2SB4	A102_10.6 S2 MX2SB4	A102_10.6 P80 BE80B4	A102_10.6 P80 BX80B4
149	45	2.2	9.6	1990	A052_9.6 S2 ME2SB4	A052_9.6 S2 MX2SB4	A052_9.6 P80 BE80B4	A052_9.6 P80 BX80B4
149	45	3.1	9.6	3320	A102_9.6 S2 ME2SB4	A102_9.6 S2 MX2SB4	A102_9.6 P80 BE80B4	A102_9.6 P80 BX80B4
168	40	2.5	8.5	1940	A052_8.5 S2 ME2SB4	A052_8.5 S2 MX2SB4	A052_8.5 P80 BE80B4	A052_8.5 P80 BX80B4
168	40	3.5	8.5	3820	A102_8.5 S2 ME2SB4	A102_8.5 S2 MX2SB4	A102_8.5 P80 BE80B4	A102_8.5 P80 BX80B4
198	34	3.0	7.2	1870	A052_7.2 S2 ME2SB4	A052_7.2 S2 MX2SB4	A052_7.2 P80 BE80B4	A052_7.2 P80 BX80B4
226	30	3.4	6.3	1810	A052_6.3 S2 ME2SB4	A052_6.3 S2 MX2SB4	A052_6.3 P80 BE80B4	A052_6.3 P80 BX80B4
262	26	3.7	5.5	1750	A052_5.5 S2 ME2SB4	A052_5.5 S2 MX2SB4	A052_5.5 P80 BE80B4	A052_5.5 P80 BX80B4
270	25	3.2	10.6	1720	A052_10.6 S2 ME2SA2		A052_10.6 P80 BE80A2	
296	23	4.2	9.6	1690	A052_9.6 S2 ME2SA2		A052_9.6 P80 BE80A2	
335	20	4.5	8.5	1640	A052_8.5 S2 ME2SA2		A052_8.5 P80 BE80A2	
395	17.0	5.0	7.2	1570	A052_7.2 S2 ME2SA2		A052_7.2 P80 BE80A2	
450	15.0	5.3	6.3	1510	A052_6.3 S2 ME2SA2		A052_6.3 P80 BE80A2	
521	12.9	5.8	5.5	1450	A052_5.5 S2 ME2SA2		A052_5.5 P80 BE80A2	

0.75 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3
0.58	11068	1.3	1632	75000		
0.62	10220	1.4	1507	75000		
0.71	8979	1.6	1324	75000		
0.77	8287	1.7	1222	75000		
0.88	7264	1.9	1632	75000		A904_1632 P80 BXN80MB4
0.92	6932	1.2	1558	65000		A804_1558 P80 BXN80MB4
0.95	6705	2.1	1507	75000		A904_1507 P80 BXN80MB4
0.99	6398	1.3	1438	65000		A804_1438 P80 BXN80MB4
1.1	5963	1.3	1340	65000		A804_1340 P80 BXN80MB4
1.1	5892	2.4	1324	75000		A904_1324 P80 BXN80MB4
1.2	5528	0.9	1242	50000		A704_1242 P80 BXN80MB4
1.2	5504	1.5	1237	65000		A804_1237 P80 BXN80MB4
1.2	5439	2.6	1222	75000		A904_1222 P80 BXN80MB4
1.2	5169	1.0	1161	50000		A704_1161 P80 BXN80MB4
1.3	4942	2.8	1111	75000		A904_1111 P80 BXN80MB4
1.3	4828	1.7	1085	65000		A804_1085 P80 BXN80MB4
1.3	4771	1.0	1072	50000		A704_1072 P80 BXN80MB4
1.4	4562	3.1	1025	75000		A904_1025 P80 BXN80MB4
1.4	4456	1.8	1001	65000		A804_1001 P80 BXN80MB4
1.5	4170	3.4	937.2	75000		A904_937.2 P80 BXN80MB4
1.5	4123	1.2	926.5	50000		A704_926.5 P80 BXN80MB4
1.6	3999	2.0	898.7	65000		A804_898.7 P80 BXN80MB4
1.7	3806	1.3	855.3	50000		A704_855.3 P80 BXN80MB4
1.7	3691	2.2	829.5	65000		A804_829.5 P80 BXN80MB4
1.9	3399	1.5	763.9	50000		A704_763.9 P80 BXN80MB4
1.9	3391	2.4	762.1	65000		A804_762.1 P80 BXN80MB4
2.0	3138	1.6	705.1	50000		A704_705.1 P80 BXN80MB4
2.0	3130	2.6	703.5	65000		A804_703.5 P80 BXN80MB4
2.1	3103	0.9	697.3	30000		A604_697.3 P80 BXN80MB4
2.2	2869	1.7	644.6	50000		A704_644.6 P80 BXN80MB4
2.3	2824	1.0	634.6	30000		A604_634.6 P80 BXN80MB4
2.4	2702	3.0	607.2	65000		A804_607.2 P80 BXN80MB4
2.4	2648	1.9	595.0	50000		A704_595.0 P80 BXN80MB4
2.4	2607	1.1	585.8	30000		A604_585.8 P80 BXN80MB4
2.6	2494	3.2	560.5	65000		A804_560.5 P80 BXN80MB4
2.6	2412	1.2	542.0	30000		A604_542.0 P80 BXN80MB4
2.8	2294	2.2	515.4	50000		A704_515.4 P80 BXN80MB4
2.9	2226	1.3	500.3	30000		A604_500.3 P80 BXN80MB4







0.75 kW






n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IEC	 IE3	
3.0	2117	2.4	475.8	50000			A704_475.8 P80 BXN80MB4	335
3.3	1951	1.4	438.4	30000			A604_438.4 P80 BXN80MB4	331
3.5	1842	1.1	414.0	30000			A554_414.0 P80 BXN80MB4	327
3.5	1801	1.6	404.7	30000			A604_404.7 P80 BXN80MB4	331
3.6	1781	2.8	400.2	50000			A704_400.2 P80 BXN80MB4	335
3.9	1644	3.0	369.4	50000			A704_369.4 P80 BXN80MB4	335
3.9	1627	0.9	365.6	20000			A504_365.6 P80 BXN80MB4	323
4.1	1563	1.8	351.2	30000			A604_351.2 P80 BXN80MB4	331
4.3	1480	1.0	332.6	20000			A504_332.6 P80 BXN80MB4	323
4.4	1445	1.4	324.7	30000			A554_324.7 P80 BXN80MB4	327
4.4	1443	1.9	324.2	30000			A604_324.2 P80 BXN80MB4	331
4.5	1408	3.6	316.4	50000			A704_316.4 P80 BXN80MB4	335
5.0	1276	1.2	286.8	20000			A504_286.8 P80 BXN80MB4	323
5.0	1274	2.2	286.3	30000			A604_286.3 P80 BXN80MB4	331
5.4	1176	2.4	264.3	30000			A604_264.3 P80 BXN80MB4	331
5.4	1169	1.7	262.6	30000			A554_262.6 P80 BXN80MB4	327
5.5	1161	1.3	260.9	20000			A504_260.9 P80 BXN80MB4	323
6.2	1032	1.5	232.0	20000			A504_232.0 P80 BXN80MB4	323
6.3	1006	2.8	226.1	30000			A604_226.1 P80 BXN80MB4	331
6.8	939	1.6	211.0	20000			A504_211.0 P80 BXN80MB4	323
6.9	929	3.0	208.7	30000			A604_208.7 P80 BXN80MB4	331
6.9	926	2.1	208.1	30000			A554_208.1 P80 BXN80MB4	327
7.2	899	0.9	197.5	15000	A413_197.5 S20 MXN20MB4	318	A413_197.5 P80 BXN80MB4	319
7.4	884	2.3	194.2	30000			A553_194.2 P80 BXN80MB4	327
7.5	867	1.7	190.6	20000			A503_190.6 P80 BXN80MB4	323
7.7	845	3.3	185.8	30000			A603_185.8 P80 BXN80MB4	331
7.8	839	1.0	184.4	15000	A413_184.4 S20 MXN20MB4	318	A413_184.4 P80 BXN80MB4	319
8.2	796	2.5	175.0	30000			A553_175.0 P80 BXN80MB4	327
8.2	789	1.9	173.4	20000			A503_173.4 P80 BXN80MB4	323
8.3	780	3.6	171.5	30000			A603_171.5 P80 BXN80MB4	331
8.9	730	2.7	160.4	30000			A553_160.4 P80 BXN80MB4	327
9.3	703	2.1	154.6	20000			A503_154.6 P80 BXN80MB4	323
9.7	668	1.3	146.9	15000	A413_146.9 S20 MXN20MB4	318	A413_146.9 P80 BXN80MB4	319
9.7	668	3.0	146.8	30000			A553_146.8 P80 BXN80MB4	327
10.2	640	2.3	140.6	20000			A503_140.6 P80 BXN80MB4	323
10.5	620	0.9	136.3	12000	A353_136.3 S20 MXN20MB4	314	A353_136.3 P80 BXN80MB4	315
10.8	604	3.3	132.7	30000			A553_132.7 P80 BXN80MB4	327
11.0	590	2.5	129.7	20000			A503_129.7 P80 BXN80MB4	323
11.5	564	3.5	123.9	30000			A553_123.9 P80 BXN80MB4	327
12.1	537	2.8	118.0	20000			A503_118.0 P80 BXN80MB4	323
12.2	532	1.1	116.9	12000	A353_116.9 S20 MXN20MB4	314	A353_116.9 P80 BXN80MB4	315
12.3	527	1.6	115.9	15000	A413_115.9 S20 MXN20MB4	318	A413_115.9 P80 BXN80MB4	319
13.1	498	3.0	109.4	20000			A503_109.4 P80 BXN80MB4	323
13.5	480	1.1	105.5	12000	A353_105.5 S20 MXN20MB4	314	A353_105.5 P80 BXN80MB4	315
14.4	453	3.3	99.5	20000			A503_99.5 P80 BXN80MB4	323
15.0	450	1.2	95.6	12000			A352_95.6 P80 BXN80MB4	315
15.4	422	1.9	92.8	15000	A413_92.8 S20 MXN20MB4	318	A413_92.8 P80 BXN80MB4	319
17.3	388	1.5	82.5	12000			A352_82.5 P80 BXN80MB4	315
18.0	372	2.3	79.2	15000			A412_79.2 P80 BXN80MB4	319
18.7	360	1.0	76.5	8580			A302_76.5 P80 BXN80MB4	311
19.3	349	1.7	74.3	12000			A352_74.3 P80 BXN80MB4	315
20.1	335	2.5	71.3	15000			A412_71.3 P80 BXN80MB4	319
21.7	310	1.3	66.0	8360			A302_66.0 P80 BXN80MB4	311
21.7	309	1.9	65.8	12000			A352_65.8 P80 BXN80MB4	315
22.3	302	2.8	64.2	15000			A412_64.2 P80 BXN80MB4	319
23.7	284	2.1	60.4	12000			A352_60.4 P80 BXN80MB4	315
24.1	279	1.4	59.4	8190			A302_59.4 P80 BXN80MB4	311
24.3	276	3.1	58.8	15000			A412_58.8 P80 BXN80MB4	319
26.3	255	2.4	54.3	12000			A352_54.3 P80 BXN80MB4	315
26.7	252	1.0	53.7	5210	A202_53.7 S20 MXN20MB4	306	A202_53.7 P80 BXN80MB4	307
26.9	250	3.4	53.1	15000			A412_53.1 P80 BXN80MB4	319
27.1	248	1.7	52.7	7990			A302_52.7 P80 BXN80MB4	311
29.1	231	2.6	49.1	12000			A352_49.1 P80 BXN80MB4	315
29.6	227	1.1	48.3	5140	A202_48.3 S20 MXN20MB4	306	A202_48.3 P80 BXN80MB4	307
29.6	227	1.8	48.3	7840			A302_48.3 P80 BXN80MB4	311

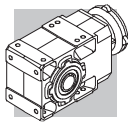


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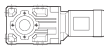

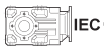

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3	
31	215	2.8	45.8	12000			A352_45.8 P80 BXN80MB4	315
33	204	2.0	43.4	7660			A302_43.4 P80 BXN80MB4	311
33	203	1.2	43.2	5060	A202_43.2 S20 MXN20MB4	306	A202_43.2 P80 BXN80MB4	307
34	196	3.1	41.8	11900			A352_41.8 P80 BXN80MB4	315
36	186	1.3	39.6	4990	A202_39.6 S20 MXN20MB4	306	A202_39.6 P80 BXN80MB4	307
36	185	2.2	39.3	7480			A302_39.3 P80 BXN80MB4	311
39	172	2.4	36.6	7360			A302_36.6 P80 BXN80MB4	311
39	172	3.5	36.6	11500			A352_36.6 P80 BXN80MB4	315
40	167	1.5	35.4	4890	A202_35.4 S20 MXN20MB4	306	A202_35.4 P80 BXN80MB4	307
41	165	0.9	35.1	4320	A102_35.1 S20 MXN20MB4	302	A102_35.1 P80 BXN80MB4	303
43	157	2.6	33.4	7200			A302_33.4 P80 BXN80MB4	311
44	151	1.0	32.2	5080	A102_32.2 S20 MXN20MB4	302	A102_32.2 P80 BXN80MB4	303
46	147	1.7	31.3	4780	A202_31.3 S20 MXN20MB4	306	A202_31.3 P80 BXN80MB4	307
49	138	3.0	29.3	6960			A302_29.3 P80 BXN80MB4	311
49	137	1.8	29.2	4710	A202_29.2 S20 MXN20MB4	306	A202_29.2 P80 BXN80MB4	307
50	134	1.1	28.6	4200	A102_28.6 S20 MXN20MB4	302	A102_28.6 P80 BXN80MB4	303
54	125	3.3	26.5	6790			A302_26.5 P80 BXN80MB4	311
54	124	2.0	26.5	4620	A202_26.5 S20 MXN20MB4	306	A202_26.5 P80 BXN80MB4	307
56	120	1.3	25.5	4900	A102_25.5 S20 MXN20MB4	302	A102_25.5 P80 BXN80MB4	303
60	112	0.9	23.8	2200			A052_23.8 P80 BXN80MB4	299
60	112	1.3	23.8	4070	A102_23.8 S20 MXN20MB4	302	A102_23.8 P80 BXN80MB4	303
62	109	2.3	23.1	4480	A202_23.1 S20 MXN20MB4	306	A202_23.1 P80 BXN80MB4	307
67	100	1.0	21.4	2210			A052_21.4 P80 BXN80MB4	299
67	100	1.5	21.4	4740	A102_21.4 S20 MXN20MB4	302	A102_21.4 P80 BXN80MB4	303
67	100	2.5	21.2	4390	A202_21.2 S20 MXN20MB4	306	A202_21.2 P80 BXN80MB4	307
77	87	1.1	18.6	2190			A052_18.6 P80 BXN80MB4	299
77	87	1.7	18.6	3880	A102_18.6 S20 MXN20MB4	302	A102_18.6 P80 BXN80MB4	303
79	85	2.9	18.1	4230	A202_18.1 S20 MXN20MB4	306	A202_18.1 P80 BXN80MB4	307
87	77	1.3	16.4	2160			A052_16.4 P80 BXN80MB4	299
87	77	1.9	16.4	4490	A102_16.4 S20 MXN20MB4	302	A102_16.4 P80 BXN80MB4	303
88	76	3.3	16.2	4110	A202_16.2 S20 MXN20MB4	306	A202_16.2 P80 BXN80MB4	307
103	65	1.5	13.9	2110			A052_13.9 P80 BXN80MB4	299
103	65	2.3	13.9	3640	A102_13.9 S20 MXN20MB4	302	A102_13.9 P80 BXN80MB4	303
116	58	1.7	12.3	2080			A052_12.3 P80 BXN80MB4	299
116	58	2.4	12.3	3530	A102_12.3 S20 MXN20MB4	302	A102_12.3 P80 BXN80MB4	303
135	50	2.0	10.6	2010			A052_10.6 P80 BXN80MB4	299
135	50	3.0	10.6	3400	A102_10.6 S20 MXN20MB4	302	A102_10.6 P80 BXN80MB4	303
149	45	2.2	9.6	1990			A052_9.6 P80 BXN80MB4	299
149	45	3.1	9.6	3320	A102_9.6 S20 MXN20MB4	302	A102_9.6 P80 BXN80MB4	303
168	40	2.5	8.5	1940			A052_8.5 P80 BXN80MB4	299
168	40	3.5	8.5	3820	A102_8.5 S20 MXN20MB4	302	A102_8.5 P80 BXN80MB4	303
198	34	3.0	7.2	1870			A052_7.2 P80 BXN80MB4	299
226	30	3.4	6.3	1810			A052_6.3 P80 BXN80MB4	299
262	26	3.7	5.5	1750			A052_5.5 P80 BXN80MB4	299
270	25	3.2	10.6	1720				
296	23	4.2	9.6	1690				
335	20	4.5	8.5	1640				
395	17.0	5.0	7.2	1570				
450	15.0	5.3	6.3	1510				
521	12.9	5.8	5.5	1450				

1.1 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IE2	 IE3	
0.63	14914	0.9	1507	75000	A904_1507 S3 ME3LA6		A904_1507 P100 BE100M6		341
0.71	13103	1.1	1324	75000	A904_1324 S3 ME3LA6		A904_1324 P100 BE100M6		341
0.77	12094	1.2	1222	75000	A904_1222 S3 ME3LA6		A904_1222 P100 BE100M6		341
0.88	10751	1.3	1632	75000	A904_1632 S3 ME3SA4	A904_1632 S3 MX3SA4	A904_1632 P90 BE90S4	A904_1632 P90 BX90S4	341
0.95	9924	1.4	1507	75000	A904_1507 S3 ME3SA4	A904_1507 S3 MX3SA4	A904_1507 P90 BE90S4	A904_1507 P90 BX90S4	341
1.1	8825	0.9	1340	65000	A804_1340 S3 ME3SA4	A804_1340 S3 MX3SA4	A804_1340 P90 BE90S4	A804_1340 P90 BX90S4	338
1.1	8720	1.6	1324	75000	A904_1324 S3 ME3SA4	A904_1324 S3 MX3SA4	A904_1324 P90 BE90S4	A904_1324 P90 BX90S4	341

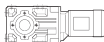





1.1 kW

n2	M2	S	i	Rn2						
min-1	Nm			N	IE2	IE3		IE2	IE3	
1.2	8146	1.0	1237	65000	A804_1237 S3 ME3SA4	A804_1237 S3 MX3SA4	337	A804_1237 P90 BE90S4	A804_1237 P90 BX90S4	338
1.2	8049	1.7	1222	75000	A904_1222 S3 ME3SA4	A904_1222 S3 MX3SA4	340	A904_1222 P90 BE90S4	A904_1222 P90 BX90S4	341
1.3	7314	1.9	1111	75000	A904_1111 S3 ME3SA4	A904_1111 S3 MX3SA4	340	A904_1111 P90 BE90S4	A904_1111 P90 BX90S4	341
1.3	7145	1.1	1085	65000	A804_1085 S3 ME3SA4	A804_1085 S3 MX3SA4	337	A804_1085 P90 BE90S4	A804_1085 P90 BX90S4	338
1.4	6752	2.1	1025	75000	A904_1025 S3 ME3SA4	A904_1025 S3 MX3SA4	340	A904_1025 P90 BE90S4	A904_1025 P90 BX90S4	341
1.4	6595	1.2	1001	65000	A804_1001 S3 ME3SA4	A804_1001 S3 MX3SA4	337	A804_1001 P90 BE90S4	A804_1001 P90 BX90S4	338
1.5	6172	2.3	937.2	75000	A904_937.2 S3 ME3SA4	A904_937.2 S3 MX3SA4	340	A904_937.2 P90 BE90S4	A904_937.2 P90 BX90S4	341
1.6	5919	1.4	898.7	65000	A804_898.7 S3 ME3SA4	A804_898.7 S3 MX3SA4	337	A804_898.7 P90 BE90S4	A804_898.7 P90 BX90S4	338
1.7	5697	2.5	865.1	75000	A904_865.1 S3 ME3SA4	A904_865.1 S3 MX3SA4	340	A904_865.1 P90 BE90S4	A904_865.1 P90 BX90S4	341
1.7	5633	0.9	855.3	50000	A704_855.3 S3 ME3SA4	A704_855.3 S3 MX3SA4	334	A704_855.3 P90 BE90S4	A704_855.3 P90 BX90S4	335
1.7	5463	1.5	829.5	65000	A804_829.5 S3 ME3SA4	A804_829.5 S3 MX3SA4	337	A804_829.5 P90 BE90S4	A804_829.5 P90 BX90S4	338
1.9	5051	2.8	766.9	75000	A904_766.9 S3 ME3SA4	A904_766.9 S3 MX3SA4	340	A904_766.9 P90 BE90S4	A904_766.9 P90 BX90S4	341
1.9	5031	1.0	763.9	50000	A704_763.9 S3 ME3SA4	A704_763.9 S3 MX3SA4	334	A704_763.9 P90 BE90S4	A704_763.9 P90 BX90S4	335
1.9	5019	1.6	762.1	65000	A804_762.1 S3 ME3SA4	A804_762.1 S3 MX3SA4	337	A804_762.1 P90 BE90S4	A804_762.1 P90 BX90S4	338
2.0	4662	3.0	707.9	75000	A904_707.9 S3 ME3SA4	A904_707.9 S3 MX3SA4	340	A904_707.9 P90 BE90S4	A904_707.9 P90 BX90S4	341
2.0	4644	1.1	705.1	50000	A704_705.1 S3 ME3SA4	A704_705.1 S3 MX3SA4	334	A704_705.1 P90 BE90S4	A704_705.1 P90 BX90S4	335
2.0	4633	1.7	703.5	65000	A804_703.5 S3 ME3SA4	A804_703.5 S3 MX3SA4	337	A804_703.5 P90 BE90S4	A804_703.5 P90 BX90S4	338
2.2	4245	1.2	644.6	50000	A704_644.6 S3 ME3SA4	A704_644.6 S3 MX3SA4	334	A704_644.6 P90 BE90S4	A704_644.6 P90 BX90S4	335
2.4	3999	2.0	607.2	65000	A804_607.2 S3 ME3SA4	A804_607.2 S3 MX3SA4	337	A804_607.2 P90 BE90S4	A804_607.2 P90 BX90S4	338
2.4	3962	3.5	601.6	75000	A904_601.6 S3 ME3SA4	A904_601.6 S3 MX3SA4	340	A904_601.6 P90 BE90S4	A904_601.6 P90 BX90S4	341
2.4	3919	1.3	595.0	50000	A704_595.0 S3 ME3SA4	A704_595.0 S3 MX3SA4	334	A704_595.0 P90 BE90S4	A704_595.0 P90 BX90S4	335
2.6	3691	2.2	560.5	65000	A804_560.5 S3 ME3SA4	A804_560.5 S3 MX3SA4	337	A804_560.5 P90 BE90S4	A804_560.5 P90 BX90S4	338
2.8	3394	1.5	515.4	50000	A704_515.4 S3 ME3SA4	A704_515.4 S3 MX3SA4	334	A704_515.4 P90 BE90S4	A704_515.4 P90 BX90S4	335
3.0	3154	2.5	478.9	65000	A804_478.9 S3 ME3SA4	A804_478.9 S3 MX3SA4	337	A804_478.9 P90 BE90S4	A804_478.9 P90 BX90S4	338
3.0	3133	1.6	475.8	50000	A704_475.8 S3 ME3SA4	A704_475.8 S3 MX3SA4	334	A704_475.8 P90 BE90S4	A704_475.8 P90 BX90S4	335
3.2	2912	2.7	442.1	65000	A804_442.1 S3 ME3SA4	A804_442.1 S3 MX3SA4	337	A804_442.1 P90 BE90S4	A804_442.1 P90 BX90S4	338
3.3	2887	1.0	438.4	30000	A604_438.4 S3 ME3SA4	A604_438.4 S3 MX3SA4	330	A604_438.4 P90 BE90S4	A604_438.4 P90 BX90S4	331
3.5	2665	1.1	404.7	30000	A604_404.7 S3 ME3SA4	A604_404.7 S3 MX3SA4	330	A604_404.7 P90 BE90S4	A604_404.7 P90 BX90S4	331
3.6	2635	1.9	400.2	50000	A704_400.2 S3 ME3SA4	A704_400.2 S3 MX3SA4	334	A704_400.2 P90 BE90S4	A704_400.2 P90 BX90S4	335
3.7	2526	3.2	383.5	65000	A804_383.5 S3 ME3SA4	A804_383.5 S3 MX3SA4	337	A804_383.5 P90 BE90S4	A804_383.5 P90 BX90S4	338
3.9	2433	2.1	369.4	50000	A704_369.4 S3 ME3SA4	A704_369.4 S3 MX3SA4	334	A704_369.4 P90 BE90S4	A704_369.4 P90 BX90S4	335
4.0	2331	3.4	354.0	65000	A804_354.0 S3 ME3SA4	A804_354.0 S3 MX3SA4	337	A804_354.0 P90 BE90S4	A804_354.0 P90 BX90S4	338
4.1	2313	1.2	351.2	30000	A604_351.2 S3 ME3SA4	A604_351.2 S3 MX3SA4	330	A604_351.2 P90 BE90S4	A604_351.2 P90 BX90S4	331
4.4	2139	0.9	324.7	30000	A554_324.7 S3 ME3SA4	A554_324.7 S3 MX3SA4	326	A554_324.7 P90 BE90S4	A554_324.7 P90 BX90S4	327
4.4	2135	1.3	324.2	30000	A604_324.2 S3 ME3SA4	A604_324.2 S3 MX3SA4	330	A604_324.2 P90 BE90S4	A604_324.2 P90 BX90S4	331
4.5	2083	2.4	316.4	50000	A704_316.4 S3 ME3SA4	A704_316.4 S3 MX3SA4	334	A704_316.4 P90 BE90S4	A704_316.4 P90 BX90S4	335
4.9	1923	2.6	292.0	50000	A704_292.0 S3 ME3SA4	A704_292.0 S3 MX3SA4	334	A704_292.0 P90 BE90S4	A704_292.0 P90 BX90S4	335
5.0	1886	1.5	286.3	30000	A604_286.3 S3 ME3SA4	A604_286.3 S3 MX3SA4	330	A604_286.3 P90 BE90S4	A604_286.3 P90 BX90S4	331
5.4	1741	1.6	264.3	30000	A604_264.3 S3 ME3SA4	A604_264.3 S3 MX3SA4	330	A604_264.3 P90 BE90S4	A604_264.3 P90 BX90S4	331
5.4	1730	1.2	262.6	30000	A554_262.6 S3 ME3SA4	A554_262.6 S3 MX3SA4	326	A554_262.6 P90 BE90S4	A554_262.6 P90 BX90S4	327
5.5	1718	0.9	260.9	20000	A504_260.9 S3 ME3SA4	A504_260.9 S3 MX3SA4	322	A504_260.9 P90 BE90S4	A504_260.9 P90 BX90S4	323
6.0	1571	3.2	238.6	50000	A704_238.6 S3 ME3SA4	A704_238.6 S3 MX3SA4	334	A704_238.6 P90 BE90S4	A704_238.6 P90 BX90S4	335
6.2	1528	1.0	232.0	20000	A504_232.0 S3 ME3SA4	A504_232.0 S3 MX3SA4	322	A504_232.0 P90 BE90S4	A504_232.0 P90 BX90S4	323
6.3	1489	1.9	226.1	30000	A604_226.1 S3 ME3SA4	A604_226.1 S3 MX3SA4	330	A604_226.1 P90 BE90S4	A604_226.1 P90 BX90S4	331
6.5	1451	3.4	220.3	50000	A704_220.3 S3 ME3SA4	A704_220.3 S3 MX3SA4	334	A704_220.3 P90 BE90S4	A704_220.3 P90 BX90S4	335
6.8	1390	1.1	211.0	20000	A504_211.0 S3 ME3SA4	A504_211.0 S3 MX3SA4	322	A504_211.0 P90 BE90S4	A504_211.0 P90 BX90S4	323
6.9	1375	2.0	208.7	30000	A604_208.7 S3 ME3SA4	A604_208.7 S3 MX3SA4	330	A604_208.7 P90 BE90S4	A604_208.7 P90 BX90S4	331
6.9	1370	1.4	208.1	30000	A554_208.1 S3 ME3SA4	A554_208.1 S3 MX3SA4	326	A554_208.1 P90 BE90S4	A554_208.1 P90 BX90S4	327
7.4	1308	1.5	194.2	30000	A553_194.2 S3 ME3SA4	A553_194.2 S3 MX3SA4	326	A553_194.2 P90 BE90S4	A553_194.2 P90 BX90S4	327
7.5	1283	1.2	190.6	20000	A503_190.6 S3 ME3SA4	A503_190.6 S3 MX3SA4	322	A503_190.6 P90 BE90S4	A503_190.6 P90 BX90S4	323
7.7	1251	2.2	185.8	30000	A603_185.8 S3 ME3SA4	A603_185.8 S3 MX3SA4	330	A603_185.8 P90 BE90S4	A603_185.8 P90 BX90S4	331
8.2	1179	1.7	175.0	30000	A553_175.0 S3 ME3SA4	A553_175.0 S3 MX3SA4	326	A553_175.0 P90 BE90S4	A553_175.0 P90 BX90S4	327
8.2	1167	1.3	173.4	20000	A503_173.4 S3 ME3SA4	A503_173.4 S3 MX3SA4	322	A503_173.4 P90 BE90S4	A503_173.4 P90 BX90S4	323
8.3	1155	2.4	171.5	30000	A603_171.5 S3 ME3SA4	A603_171.5 S3 MX3SA4	330	A603_171.5 P90 BE90S4	A603_171.5 P90 BX90S4	331
8.9	1080	1.9	160.4	30000	A553_160.4 S3 ME3SA4	A553_160.4 S3 MX3SA4	326	A553_160.4 P90 BE90S4	A553_160.4 P90 BX90S4	327
9.2	1051	2.7	156.0	30000	A603_156.0 S3 ME3SA4	A603_156.0 S3 MX3SA4	330	A603_156.0 P90 BE90S4	A603_156.0 P90 BX90S4	331
9.3	1041	1.4	154.6	20000	A503_154.6 S3 ME3SA4	A503_154.6 S3 MX3SA4	322	A503_154.6 P90 BE90S4	A503_154.6 P90 BX90S4	323
9.7	989	2.0	146.8	30000	A553_146.8 S3 ME3SA4	A553_146.8 S3 MX3SA4	326	A553_146.8 P90 BE90S4	A553_146.8 P90 BX90S4	327
9.9	970	2.9	144.0	30000	A603_144.0 S3 ME3SA4	A603_144.0 S3 MX3SA4	330	A603_144.0 P90 BE90S4	A603_144.0 P90 BX90S4	331
10.2	947	1.6	140.6	20000	A503_140.6 S3 ME3SA4	A503_140.6 S3 MX3SA4	322	A503_140.6 P90 BE90S4	A503_140.6 P90 BX90S4	323
10.7	898	3.1	133.3	30000	A603_133.3 S3 ME3SA4	A603_133.3 S3 MX3SA4	330	A603_133.3 P90 BE90S4	A603_133.3 P90 BX90S4	331
10.8	894	2.2	132.7	30000	A553_132.7 S3 ME3SA4	A553_132.7 S3 MX3SA4	326	A553_132.7 P90 BE90S4	A553_132.7 P90 BX90S4	327
11.0	873	1.7	129.7	20000	A503_129.7 S3 ME3SA4	A503_129.7 S3 MX3SA4	322	A503_129.7 P90 BE90S4	A503_129.7 P90 BX90S4	323
11.5	834	2.4	123.9	30000	A553_123.9 S3 ME3SA4	A553_123.9 S3 MX3SA4	326	A553_123.9 P90 BE90S4	A553_123.9 P90 BX90S4	327
11.6	828	3.4	123.0	30000	A603_123.0 S3 ME3SA4	A603_123.0 S3 MX3SA4	330	A603_123.0 P90 BE90S4	A603_123.0 P90 BX90S4	331







1.1 kW

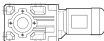

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE2	IE3	IE2	IE3		
12.1	794	1.9	118.0	20000	A503_118.0 S3 ME3SA4	A503_118.0 S3 MX3SA4	322	A503_118.0 P90 BE90S4	A503_118.0 P90 BX90S4	323
12.3	780	1.1	115.9	15000	A413_115.9 S3 ME3SA4	A413_115.9 S3 MX3SA4	318	A413_115.9 P90 BE90S4	A413_115.9 P90 BX90S4	319
13.1	737	2.0	109.4	20000	A503_109.4 S3 ME3SA4	A503_109.4 S3 MX3SA4	322	A503_109.4 P90 BE90S4	A503_109.4 P90 BX90S4	323
14.1	683	2.9	101.4	30000	A553_101.4 S3 ME3SA4	A553_101.4 S3 MX3SA4	326	A553_101.4 P90 BE90S4	A553_101.4 P90 BX90S4	327
14.4	670	2.2	99.5	20000	A503_99.5 S3 ME3SA4	A503_99.5 S3 MX3SA4	322	A503_99.5 P90 BE90S4	A503_99.5 P90 BX90S4	323
15.4	625	1.3	92.8	15000	A413_92.8 S3 ME3SA4	A413_92.8 S3 MX3SA4	318	A413_92.8 P90 BE90S4	A413_92.8 P90 BX90S4	319
16.0	603	2.5	89.5	20000	A503_89.5 S3 ME3SA4	A503_89.5 S3 MX3SA4	322	A503_89.5 P90 BE90S4	A503_89.5 P90 BX90S4	323
17.3	574	1.0	82.5	12000	A352_82.5 S3 ME3SA4	A352_82.5 S3 MX3SA4	314	A352_82.5 P90 BE90S4	A352_82.5 P90 BX90S4	315
17.6	548	2.7	81.5	20000	A503_81.5 S3 ME3SA4	A503_81.5 S3 MX3SA4	322	A503_81.5 P90 BE90S4	A503_81.5 P90 BX90S4	323
18.0	551	1.5	79.2	15000	A412_79.2 S3 ME3SA4	A412_79.2 S3 MX3SA4	318	A412_79.2 P90 BE90S4	A412_79.2 P90 BX90S4	319
19.3	517	1.2	74.3	12000	A352_74.3 S3 ME3SA4	A352_74.3 S3 MX3SA4	314	A352_74.3 P90 BE90S4	A352_74.3 P90 BX90S4	315
20.1	496	1.7	71.3	15000	A412_71.3 S3 ME3SA4	A412_71.3 S3 MX3SA4	318	A412_71.3 P90 BE90S4	A412_71.3 P90 BX90S4	319
20.4	473	3.2	70.2	20000	A503_70.2 S3 ME3SA4	A503_70.2 S3 MX3SA4	322	A503_70.2 P90 BE90S4	A503_70.2 P90 BX90S4	323
21.7	458	1.3	65.8	12000	A352_65.8 S3 ME3SA4	A352_65.8 S3 MX3SA4	314	A352_65.8 P90 BE90S4	A352_65.8 P90 BX90S4	315
22.3	446	1.9	64.2	15000	A412_64.2 S3 ME3SA4	A412_64.2 S3 MX3SA4	318	A412_64.2 P90 BE90S4	A412_64.2 P90 BX90S4	319
22.4	430	3.5	63.9	20000	A503_63.9 S3 ME3SA4	A503_63.9 S3 MX3SA4	322	A503_63.9 P90 BE90S4	A503_63.9 P90 BX90S4	323
23.7	420	1.4	60.4	12000	A352_60.4 S3 ME3SA4	A352_60.4 S3 MX3SA4	314	A352_60.4 P90 BE90S4	A352_60.4 P90 BX90S4	315
24.1	413	1.0	59.4	7420	A302_59.4 S3 ME3SA4	A302_59.4 S3 MX3SA4	310	A302_59.4 P90 BE90S4	A302_59.4 P90 BX90S4	311
24.3	409	2.1	58.8	15000	A412_58.8 S3 ME3SA4	A412_58.8 S3 MX3SA4	318	A412_58.8 P90 BE90S4	A412_58.8 P90 BX90S4	319
26.3	378	1.6	54.3	12000	A352_54.3 S3 ME3SA4	A352_54.3 S3 MX3SA4	314	A352_54.3 P90 BE90S4	A352_54.3 P90 BX90S4	315
26.9	370	2.3	53.1	15000	A412_53.1 S3 ME3SA4	A412_53.1 S3 MX3SA4	318	A412_53.1 P90 BE90S4	A412_53.1 P90 BX90S4	319
27.1	366	1.1	52.7	7310	A302_52.7 S3 ME3SA4	A302_52.7 S3 MX3SA4	310	A302_52.7 P90 BE90S4	A302_52.7 P90 BX90S4	311
29.1	341	1.8	49.1	11800	A352_49.1 S3 ME3SA4	A352_49.1 S3 MX3SA4	314	A352_49.1 P90 BE90S4	A352_49.1 P90 BX90S4	315
29.6	336	1.2	48.3	7220	A302_48.3 S3 ME3SA4	A302_48.3 S3 MX3SA4	310	A302_48.3 P90 BE90S4	A302_48.3 P90 BX90S4	311
29.6	336	2.5	48.3	15000	A412_48.3 S3 ME3SA4	A412_48.3 S3 MX3SA4	318	A412_48.3 P90 BE90S4	A412_48.3 P90 BX90S4	319
31	319	1.9	45.8	11700	A352_45.8 S3 ME3SA4	A352_45.8 S3 MX3SA4	314	A352_45.8 P90 BE90S4	A352_45.8 P90 BX90S4	315
32	313	2.6	45.1	15000	A412_45.1 S3 ME3SA4	A412_45.1 S3 MX3SA4	318	A412_45.1 P90 BE90S4	A412_45.1 P90 BX90S4	319
33	302	1.4	43.4	7100	A302_43.4 S3 ME3SA4	A302_43.4 S3 MX3SA4	310	A302_43.4 P90 BE90S4	A302_43.4 P90 BX90S4	311
34	291	2.1	41.8	11400	A352_41.8 S3 ME3SA4	A352_41.8 S3 MX3SA4	314	A352_41.8 P90 BE90S4	A352_41.8 P90 BX90S4	315
36	276	0.9	39.6	4500	A202_39.6 S3 ME3SA4	A202_39.6 S3 MX3SA4	306	A202_39.6 P90 BE90S4	A202_39.6 P90 BX90S4	307
36	273	1.5	39.3	6970	A302_39.3 S3 ME3SA4	A302_39.3 S3 MX3SA4	310	A302_39.3 P90 BE90S4	A302_39.3 P90 BX90S4	311
39	255	1.6	36.6	6880	A302_36.6 S3 ME3SA4	A302_36.6 S3 MX3SA4	310	A302_36.6 P90 BE90S4	A302_36.6 P90 BX90S4	311
39	255	2.4	36.6	11100	A352_36.6 S3 ME3SA4	A352_36.6 S3 MX3SA4	314	A352_36.6 P90 BE90S4	A352_36.6 P90 BX90S4	315
40	250	3.1	35.9	14300	A412_35.9 S3 ME3SA4	A412_35.9 S3 MX3SA4	318	A412_35.9 P90 BE90S4	A412_35.9 P90 BX90S4	319
40	246	1.0	35.4	4380	A202_35.4 S3 ME3SA4	A202_35.4 S3 MX3SA4	306	A202_35.4 P90 BE90S4	A202_35.4 P90 BX90S4	307
43	233	1.8	33.4	6760	A302_33.4 S3 ME3SA4	A302_33.4 S3 MX3SA4	310	A302_33.4 P90 BE90S4	A302_33.4 P90 BX90S4	311
43	231	2.6	33.2	10800	A352_33.2 S3 ME3SA4	A352_33.2 S3 MX3SA4	314	A352_33.2 P90 BE90S4	A352_33.2 P90 BX90S4	315
46	218	1.1	31.3	4320	A202_31.3 S3 ME3SA4	A202_31.3 S3 MX3SA4	306	A202_31.3 P90 BE90S4	A202_31.3 P90 BX90S4	307
49	204	2.0	29.3	6580	A302_29.3 S3 ME3SA4	A302_29.3 S3 MX3SA4	310	A302_29.3 P90 BE90S4	A302_29.3 P90 BX90S4	311
49	203	1.2	29.2	4290	A202_29.2 S3 ME3SA4	A202_29.2 S3 MX3SA4	306	A202_29.2 P90 BE90S4	A202_29.2 P90 BX90S4	307
50	198	3.0	28.4	10400	A352_28.4 S3 ME3SA4	A352_28.4 S3 MX3SA4	314	A352_28.4 P90 BE90S4	A352_28.4 P90 BX90S4	315
54	185	2.2	26.5	6440	A302_26.5 S3 ME3SA4	A302_26.5 S3 MX3SA4	310	A302_26.5 P90 BE90S4	A302_26.5 P90 BX90S4	311
54	184	1.4	26.5	4230	A202_26.5 S3 ME3SA4	A202_26.5 S3 MX3SA4	306	A202_26.5 P90 BE90S4	A202_26.5 P90 BX90S4	307
56	179	3.4	25.7	10100	A352_25.7 S3 ME3SA4	A352_25.7 S3 MX3SA4	314	A352_25.7 P90 BE90S4	A352_25.7 P90 BX90S4	315
60	165	0.9	23.8	3640	A102_23.8 S3 ME3SA4	A102_23.8 S3 MX3SA4	302	A102_23.8 P90 BE90S4	A102_23.8 P90 BX90S4	303
62	161	1.6	23.1	4140	A202_23.1 S3 ME3SA4	A202_23.1 S3 MX3SA4	306	A202_23.1 P90 BE90S4	A202_23.1 P90 BX90S4	307
63	158	2.6	22.8	6220	A302_22.8 S3 ME3SA4	A302_22.8 S3 MX3SA4	310	A302_22.8 P90 BE90S4	A302_22.8 P90 BX90S4	311
67	149	1.0	21.4	4280	A102_21.4 S3 ME3SA4	A102_21.4 S3 MX3SA4	302	A102_21.4 P90 BE90S4	A102_21.4 P90 BX90S4	303
67	148	1.7	21.2	4080	A202_21.2 S3 ME3SA4	A202_21.2 S3 MX3SA4	306	A202_21.2 P90 BE90S4	A202_21.2 P90 BX90S4	307
70	143	2.9	20.5	6070	A302_20.5 S3 ME3SA4	A302_20.5 S3 MX3SA4	310	A302_20.5 P90 BE90S4	A302_20.5 P90 BX90S4	311
77	129	1.2	18.6	3540	A102_18.6 S3 ME3SA4	A102_18.6 S3 MX3SA4	302	A102_18.6 P90 BE90S4	A102_18.6 P90 BX90S4	303
79	126	2.0	18.1	3970	A202_18.1 S3 ME3SA4	A202_18.1 S3 MX3SA4	306	A202_18.1 P90 BE90S4	A202_18.1 P90 BX90S4	307
80	125	3.2	18.0	5880	A302_18.0 S3 ME3SA4	A302_18.0 S3 MX3SA4	310	A302_18.0 P90 BE90S4	A302_18.0 P90 BX90S4	311
87	114	1.3	16.4	4130	A102_16.4 S3 ME3SA4	A102_16.4 S3 MX3SA4	302	A102_16.4 P90 BE90S4	A102_16.4 P90 BX90S4	303
88	114	3.4	16.3	5740	A302_16.3 S3 ME3SA4	A302_16.3 S3 MX3SA4	310	A302_16.3 P90 BE90S4	A302_16.3 P90 BX90S4	311
88	112	2.2	16.2	3880	A202_16.2 S3 ME3SA4	A202_16.2 S3 MX3SA4	306	A202_16.2 P90 BE90S4	A202_16.2 P90 BX90S4	307
102	98	2.5	14.1	3770	A202_14.1 S3 ME3SA4	A202_14.1 S3 MX3SA4	306	A202_14.1 P90 BE90S4	A202_14.1 P90 BX90S4	307
103	97	1.5	13.9	3380	A102_13.9 S3 ME3SA4	A102_13.9 S3 MX3SA4	302	A102_13.9 P90 BE90S4	A102_13.9 P90 BX90S4	303
116	86	1.6	12.3	3300	A102_12.3 S3 ME3SA4	A102_12.3 S3 MX3SA4	302	A102_12.3 P90 BE90S4	A102_12.3 P90 BX90S4	303
120	83	2.5	12.0	3620	A202_12.0 S3 ME3SA4	A202_12.0 S3 MX3SA4	306	A202_12.0 P90 BE90S4	A202_12.0 P90 BX90S4	307
135	73	2.0	10.6	3210	A102_10.6 S3 ME3SA4	A102_10.6 S3 MX3SA4	302	A102_10.6 P90 BE90S4	A102_10.6 P90 BX90S4	303
138	72	3.1	10.3	3510	A202_10.3 S3 ME3SA4	A202_10.3 S3 MX3SA4	306	A202_10.3 P90 BE90S4	A202_10.3 P90 BX90S4	307
149	67	2.1	9.6	3140	A102_9.6 S3 ME3SA4	A102_9.6 S3 MX3SA4	302	A102_9.6 P90 BE90S4	A102_9.6 P90 BX90S4	303
153	65	3.2	9.4	3420	A202_9.4 S3 ME3SA4	A202_9.4 S3 MX3SA4	306	A202_9.4 P90 BE90S4	A202_9.4 P90 BX90S4	307
168	59	2.4	8.5	3630	A102_8.5 S3 ME3SA4	A102_8.5 S3 MX3SA4	302	A102_8.5 P90 BE90S4	A102_8.5 P90 BX90S4	303



1.1 kW



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IEC	
198	50	2.8	7.2	2940	A102_7.2 S3 ME3SA4	A102_7.2 S3 MX3SA4	A102_7.2 P90 BE90S4	A102_7.2 P90 BX90S4
226	44	3.2	6.3	3390	A102_6.3 S3 ME3SA4	A102_6.3 S3 MX3SA4	A102_6.3 P90 BE90S4	A102_6.3 P90 BX90S4
230	43	3.3	12.3	2830	A102_12.3 S2 ME2SB2		A102_12.3 P80 BE80B2	
294	34	2.8	9.6	1600	A052_9.6 S2 ME2SB2		A052_9.6 P80 BE80B2	
332	30	3.0	8.5	1560	A052_8.5 S2 ME2SB2		A052_8.5 P80 BE80B2	
392	25	3.4	7.2	1500	A052_7.2 S2 ME2SB2		A052_7.2 P80 BE80B2	
447	22	3.6	6.3	1450	A052_6.3 S2 ME2SB2		A052_6.3 P80 BE80B2	
518	19.1	3.9	5.5	1400	A052_5.5 S2 ME2SB2		A052_5.5 P80 BE80B2	

1.1 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	
0.63	14914	0.9	1507	75000		
0.71	13103	1.1	1324	75000		
0.77	12094	1.2	1222	75000		
0.88	10751	1.3	1632	75000		A904_1632 P90 BXN90S4
0.95	9924	1.4	1507	75000		A904_1507 P90 BXN90S4
1.1	8825	0.9	1340	65000		A804_1340 P90 BXN90S4
1.1	8720	1.6	1324	75000		A904_1324 P90 BXN90S4
1.2	8146	1.0	1237	65000		A804_1237 P90 BXN90S4
1.2	8049	1.7	1222	75000		A904_1222 P90 BXN90S4
1.3	7314	1.9	1111	75000		A904_1111 P90 BXN90S4
1.3	7145	1.1	1085	65000		A804_1085 P90 BXN90S4
1.4	6752	2.1	1025	75000		A904_1025 P90 BXN90S4
1.4	6595	1.2	1001	65000		A804_1001 P90 BXN90S4
1.5	6172	2.3	937.2	75000		A904_937.2 P90 BXN90S4
1.6	5919	1.4	898.7	65000		A804_898.7 P90 BXN90S4
1.7	5697	2.5	865.1	75000		A904_865.1 P90 BXN90S4
1.7	5633	0.9	855.3	50000		A704_855.3 P90 BXN90S4
1.7	5463	1.5	829.5	65000		A804_829.5 P90 BXN90S4
1.9	5051	2.8	766.9	75000		A904_766.9 P90 BXN90S4
1.9	5031	1.0	763.9	50000		A704_763.9 P90 BXN90S4
1.9	5019	1.6	762.1	65000		A804_762.1 P90 BXN90S4
2.0	4662	3.0	707.9	75000		A904_707.9 P90 BXN90S4
2.0	4644	1.1	705.1	50000		A704_705.1 P90 BXN90S4
2.0	4633	1.7	703.5	65000		A804_703.5 P90 BXN90S4
2.2	4245	1.2	644.6	50000		A704_644.6 P90 BXN90S4
2.4	3999	2.0	607.2	65000		A804_607.2 P90 BXN90S4
2.4	3962	3.5	601.6	75000		A904_601.6 P90 BXN90S4
2.4	3919	1.3	595.0	50000		A704_595.0 P90 BXN90S4
2.6	3691	2.2	560.5	65000		A804_560.5 P90 BXN90S4
2.8	3394	1.5	515.4	50000		A704_515.4 P90 BXN90S4
3.0	3154	2.5	478.9	65000		A804_478.9 P90 BXN90S4
3.0	3133	1.6	475.8	50000		A704_475.8 P90 BXN90S4
3.2	2912	2.7	442.1	65000		A804_442.1 P90 BXN90S4
3.3	2887	1.0	438.4	30000		A604_438.4 P90 BXN90S4
3.5	2665	1.1	404.7	30000		A604_404.7 P90 BXN90S4
3.6	2635	1.9	400.2	50000		A704_400.2 P90 BXN90S4
3.7	2526	3.2	383.5	65000		A804_383.5 P90 BXN90S4
3.9	2433	2.1	369.4	50000		A704_369.4 P90 BXN90S4
4.0	2331	3.4	354.0	65000		A804_354.0 P90 BXN90S4
4.1	2313	1.2	351.2	30000		A604_351.2 P90 BXN90S4
4.4	2139	0.9	324.7	30000		A554_324.7 P90 BXN90S4
4.4	2135	1.3	324.2	30000		A604_324.2 P90 BXN90S4
4.5	2083	2.4	316.4	50000		A704_316.4 P90 BXN90S4
4.9	1923	2.6	292.0	50000		A704_292.0 P90 BXN90S4
5.0	1886	1.5	286.3	30000		A604_286.3 P90 BXN90S4
5.4	1741	1.6	264.3	30000		A604_264.3 P90 BXN90S4
5.4	1730	1.2	262.6	30000		A554_262.6 P90 BXN90S4
5.5	1718	0.9	260.9	20000		A504_260.9 P90 BXN90S4
6.0	1571	3.2	238.6	50000		A704_238.6 P90 BXN90S4







1.1 kW






n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IEC
6.2	1528	1.0	232.0	20000		A504_232.0 P90 BXN90S4 323
6.3	1489	1.9	226.1	30000		A604_226.1 P90 BXN90S4 331
6.5	1451	3.4	220.3	50000		A704_220.3 P90 BXN90S4 335
6.8	1390	1.1	211.0	20000		A504_211.0 P90 BXN90S4 323
6.9	1375	2.0	208.7	30000		A604_208.7 P90 BXN90S4 331
6.9	1370	1.4	208.1	30000		A554_208.1 P90 BXN90S4 327
7.4	1308	1.5	194.2	30000		A553_194.2 P90 BXN90S4 327
7.5	1283	1.2	190.6	20000		A503_190.6 P90 BXN90S4 323
7.7	1251	2.2	185.8	30000		A603_185.8 P90 BXN90S4 331
8.2	1179	1.7	175.0	30000		A553_175.0 P90 BXN90S4 327
8.2	1167	1.3	173.4	20000		A503_173.4 P90 BXN90S4 323
8.3	1155	2.4	171.5	30000		A603_171.5 P90 BXN90S4 331
8.9	1080	1.9	160.4	30000		A553_160.4 P90 BXN90S4 327
9.2	1051	2.7	156.0	30000		A603_156.0 P90 BXN90S4 331
9.3	1041	1.4	154.6	20000		A503_154.6 P90 BXN90S4 323
9.7	989	2.0	146.8	30000		A553_146.8 P90 BXN90S4 327
9.9	970	2.9	144.0	30000		A603_144.0 P90 BXN90S4 331
10.2	947	1.6	140.6	20000		A503_140.6 P90 BXN90S4 323
10.7	898	3.1	133.3	30000		A603_133.3 P90 BXN90S4 331
10.8	894	2.2	132.7	30000		A553_132.7 P90 BXN90S4 327
11.0	873	1.7	129.7	20000		A503_129.7 P90 BXN90S4 323
11.5	834	2.4	123.9	30000		A553_123.9 P90 BXN90S4 327
11.6	828	3.4	123.0	30000		A603_123.0 P90 BXN90S4 331
12.1	794	1.9	118.0	20000		A503_118.0 P90 BXN90S4 323
12.3	780	1.1	115.9	15000		A413_115.9 P90 BXN90S4 319
13.1	737	2.0	109.4	20000		A503_109.4 P90 BXN90S4 323
14.1	683	2.9	101.4	30000		A553_101.4 P90 BXN90S4 327
14.4	670	2.2	99.5	20000		A503_99.5 P90 BXN90S4 323
15.4	625	1.3	92.8	15000		A413_92.8 P90 BXN90S4 319
16.0	603	2.5	89.5	20000		A503_89.5 P90 BXN90S4 323
17.3	574	1.0	82.5	12000		A352_82.5 P90 BXN90S4 315
17.6	548	2.7	81.5	20000		A503_81.5 P90 BXN90S4 323
18.0	551	1.5	79.2	15000		A412_79.2 P90 BXN90S4 319
19.3	517	1.2	74.3	12000		A352_74.3 P90 BXN90S4 315
20.1	496	1.7	71.3	15000		A412_71.3 P90 BXN90S4 319
20.4	473	3.2	70.2	20000		A503_70.2 P90 BXN90S4 323
21.7	458	1.3	65.8	12000		A352_65.8 P90 BXN90S4 315
22.3	446	1.9	64.2	15000		A412_64.2 P90 BXN90S4 319
22.4	430	3.5	63.9	20000		A503_63.9 P90 BXN90S4 323
23.7	420	1.4	60.4	12000		A352_60.4 P90 BXN90S4 315
24.1	413	1.0	59.4	7420		A302_59.4 P90 BXN90S4 311
24.3	409	2.1	58.8	15000		A412_58.8 P90 BXN90S4 319
26.3	378	1.6	54.3	12000		A352_54.3 P90 BXN90S4 315
26.9	370	2.3	53.1	15000		A412_53.1 P90 BXN90S4 319
27.1	366	1.1	52.7	7310		A302_52.7 P90 BXN90S4 311
29.1	341	1.8	49.1	11800		A352_49.1 P90 BXN90S4 315
29.6	336	1.2	48.3	7220		A302_48.3 P90 BXN90S4 311
29.6	336	2.5	48.3	15000		A412_48.3 P90 BXN90S4 319
31	319	1.9	45.8	11700		A352_45.8 P90 BXN90S4 315
32	313	2.6	45.1	15000		A412_45.1 P90 BXN90S4 319
33	302	1.4	43.4	7100		A302_43.4 P90 BXN90S4 311
34	291	2.1	41.8	11400		A352_41.8 P90 BXN90S4 315
36	276	0.9	39.6	4500		A202_39.6 P90 BXN90S4 307
36	273	1.5	39.3	6970		A302_39.3 P90 BXN90S4 311
39	255	1.6	36.6	6880		A302_36.6 P90 BXN90S4 311
39	255	2.4	36.6	11100		A352_36.6 P90 BXN90S4 315
40	250	3.1	35.9	14300		A412_35.9 P90 BXN90S4 319
40	246	1.0	35.4	4380		A202_35.4 P90 BXN90S4 307
43	233	1.8	33.4	6760		A302_33.4 P90 BXN90S4 311
43	231	2.6	33.2	10800		A352_33.2 P90 BXN90S4 315
46	218	1.1	31.3	4320		A202_31.3 P90 BXN90S4 307
49	204	2.0	29.3	6580		A302_29.3 P90 BXN90S4 311
49	203	1.2	29.2	4290		A202_29.2 P90 BXN90S4 307
50	198	3.0	28.4	10400		A352_28.4 P90 BXN90S4 315
54	185	2.2	26.5	6440		A302_26.5 P90 BXN90S4 311



1.1 kW

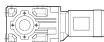



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	 IE3	
54	184	1.4	26.5	4230			A202_26.5 P90 BXN90S4	307
56	179	3.4	25.7	10100			A352_25.7 P90 BXN90S4	315
60	165	0.9	23.8	3640			A102_23.8 P90 BXN90S4	303
62	161	1.6	23.1	4140			A202_23.1 P90 BXN90S4	307
63	158	2.6	22.8	6220			A302_22.8 P90 BXN90S4	311
67	149	1.0	21.4	4280			A102_21.4 P90 BXN90S4	303
67	148	1.7	21.2	4080			A202_21.2 P90 BXN90S4	307
70	143	2.9	20.5	6070			A302_20.5 P90 BXN90S4	311
77	129	1.2	18.6	3540			A102_18.6 P90 BXN90S4	303
79	126	2.0	18.1	3970			A202_18.1 P90 BXN90S4	307
80	125	3.2	18.0	5880			A302_18.0 P90 BXN90S4	311
87	114	1.3	16.4	4130			A102_16.4 P90 BXN90S4	303
88	114	3.4	16.3	5740			A302_16.3 P90 BXN90S4	311
88	112	2.2	16.2	3880			A202_16.2 P90 BXN90S4	307
102	98	2.5	14.1	3770			A202_14.1 P90 BXN90S4	307
103	97	1.5	13.9	3380			A102_13.9 P90 BXN90S4	303
116	86	1.6	12.3	3300			A102_12.3 P90 BXN90S4	303
120	83	2.5	12.0	3620			A202_12.0 P90 BXN90S4	307
135	73	2.0	10.6	3210			A102_10.6 P90 BXN90S4	303
138	72	3.1	10.3	3510			A202_10.3 P90 BXN90S4	307
149	67	2.1	9.6	3140			A102_9.6 P90 BXN90S4	303
153	65	3.2	9.4	3420			A202_9.4 P90 BXN90S4	307
168	59	2.4	8.5	3630			A102_8.5 P90 BXN90S4	303
198	50	2.8	7.2	2940			A102_7.2 P90 BXN90S4	303
226	44	3.2	6.3	3390			A102_6.3 P90 BXN90S4	303
230	43	3.3	12.3	2830				
294	34	2.8	9.6	1600				
332	30	3.0	8.5	1560				
392	25	3.4	7.2	1500				
447	22	3.6	6.3	1450				
518	19.1	3.9	5.5	1400				

1.5 kW

n ₂	M ₂	S	i	R _{n2}					
min ⁻¹	Nm			N	IE2	IE3		IE2	IE3
0.88	14528	1.0	1632	75000	A904_1632 S3 ME3SB4	A904_1632 S3 MX3SB4	340	A904_1632 P90 BE90LA4	A904_1632 P90 BX90LA4
0.95	13410	1.0	1507	75000	A904_1507 S3 ME3SB4	A904_1507 S3 MX3SB4	340	A904_1507 P90 BE90LA4	A904_1507 P90 BX90LA4
1.1	11784	1.2	1324	75000	A904_1324 S3 ME3SB4	A904_1324 S3 MX3SB4	340	A904_1324 P90 BE90LA4	A904_1324 P90 BX90LA4
1.2	10877	1.3	1222	75000	A904_1222 S3 ME3SB4	A904_1222 S3 MX3SB4	340	A904_1222 P90 BE90LA4	A904_1222 P90 BX90LA4
1.3	9884	1.4	1111	75000	A904_1111 S3 ME3SB4	A904_1111 S3 MX3SB4	340	A904_1111 P90 BE90LA4	A904_1111 P90 BX90LA4
1.4	9124	1.5	1025	75000	A904_1025 S3 ME3SB4	A904_1025 S3 MX3SB4	340	A904_1025 P90 BE90LA4	A904_1025 P90 BX90LA4
1.4	8913	0.9	1001	65000	A804_1001 S3 ME3SB4	A804_1001 S3 MX3SB4	337	A804_1001 P90 BE90LA4	A804_1001 P90 BX90LA4
1.5	8341	1.7	937.2	75000	A904_937.2 S3 ME3SB4	A904_937.2 S3 MX3SB4	340	A904_937.2 P90 BE90LA4	A904_937.2 P90 BX90LA4
1.6	7998	1.0	898.7	65000	A804_898.7 S3 ME3SB4	A804_898.7 S3 MX3SB4	337	A804_898.7 P90 BE90LA4	A804_898.7 P90 BX90LA4
1.7	7699	1.8	865.1	75000	A904_865.1 S3 ME3SB4	A904_865.1 S3 MX3SB4	340	A904_865.1 P90 BE90LA4	A904_865.1 P90 BX90LA4
1.7	7383	1.1	829.5	65000	A804_829.5 S3 ME3SB4	A804_829.5 S3 MX3SB4	337	A804_829.5 P90 BE90LA4	A804_829.5 P90 BX90LA4
1.9	6826	2.1	766.9	75000	A904_766.9 S3 ME3SB4	A904_766.9 S3 MX3SB4	340	A904_766.9 P90 BE90LA4	A904_766.9 P90 BX90LA4
1.9	6783	1.2	762.1	65000	A804_762.1 S3 ME3SB4	A804_762.1 S3 MX3SB4	337	A804_762.1 P90 BE90LA4	A804_762.1 P90 BX90LA4
2.0	6300	2.2	707.9	75000	A904_707.9 S3 ME3SB4	A904_707.9 S3 MX3SB4	340	A904_707.9 P90 BE90LA4	A904_707.9 P90 BX90LA4
2.0	6261	1.3	703.5	65000	A804_703.5 S3 ME3SB4	A804_703.5 S3 MX3SB4	337	A804_703.5 P90 BE90LA4	A804_703.5 P90 BX90LA4
2.2	5737	0.9	644.6	50000	A704_644.6 S3 ME3SB4	A704_644.6 S3 MX3SB4	334	A704_644.6 P90 BE90LA4	A704_644.6 P90 BX90LA4
2.4	5404	1.5	607.2	65000	A804_607.2 S3 ME3SB4	A804_607.2 S3 MX3SB4	337	A804_607.2 P90 BE90LA4	A804_607.2 P90 BX90LA4
2.4	5354	2.6	601.6	75000	A904_601.6 S3 ME3SB4	A904_601.6 S3 MX3SB4	340	A904_601.6 P90 BE90LA4	A904_601.6 P90 BX90LA4
2.4	5296	0.9	595.0	50000	A704_595.0 S3 ME3SB4	A704_595.0 S3 MX3SB4	334	A704_595.0 P90 BE90LA4	A704_595.0 P90 BX90LA4
2.6	4988	1.6	560.5	65000	A804_560.5 S3 ME3SB4	A804_560.5 S3 MX3SB4	337	A804_560.5 P90 BE90LA4	A804_560.5 P90 BX90LA4
2.6	4942	2.8	555.3	75000	A904_555.3 S3 ME3SB4	A904_555.3 S3 MX3SB4	340	A904_555.3 P90 BE90LA4	A904_555.3 P90 BX90LA4
2.8	4587	1.1	515.4	50000	A704_515.4 S3 ME3SB4	A704_515.4 S3 MX3SB4	334	A704_515.4 P90 BE90LA4	A704_515.4 P90 BX90LA4
2.9	4331	3.2	486.6	75000	A904_486.6 S3 ME3SB4	A904_486.6 S3 MX3SB4	340	A904_486.6 P90 BE90LA4	A904_486.6 P90 BX90LA4
3.0	4262	1.9	478.9	65000	A804_478.9 S3 ME3SB4	A804_478.9 S3 MX3SB4	337	A804_478.9 P90 BE90LA4	A804_478.9 P90 BX90LA4
3.0	4234	1.2	475.8	50000	A704_475.8 S3 ME3SB4	A704_475.8 S3 MX3SB4	334	A704_475.8 P90 BE90LA4	A704_475.8 P90 BX90LA4
3.2	3998	3.5	449.2	75000	A904_449.2 S3 ME3SB4	A904_449.2 S3 MX3SB4	340	A904_449.2 P90 BE90LA4	A904_449.2 P90 BX90LA4

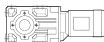





1.5 kW

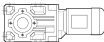


n2	M2	S	i	Rn2												
min-1	Nm			N	IE2	IE3		IE2	IE3		IE2	IE3		IE2	IE3	
3.2	3935	2.0	442.1	65000	A804_442.1 S3 ME3SB4	A804_442.1 S3 MX3SB4	337	A804_442.1 P90 BE90LA4	A804_442.1 P90 BX90LA4	338						
3.6	3561	1.4	400.2	50000	A704_400.2 S3 ME3SB4	A704_400.2 S3 MX3SB4	334	A704_400.2 P90 BE90LA4	A704_400.2 P90 BX90LA4	335						
3.7	3413	2.3	383.5	65000	A804_383.5 S3 ME3SB4	A804_383.5 S3 MX3SB4	337	A804_383.5 P90 BE90LA4	A804_383.5 P90 BX90LA4	338						
3.9	3288	1.5	369.4	50000	A704_369.4 S3 ME3SB4	A704_369.4 S3 MX3SB4	334	A704_369.4 P90 BE90LA4	A704_369.4 P90 BX90LA4	335						
4.0	3150	2.5	354.0	65000	A804_354.0 S3 ME3SB4	A804_354.0 S3 MX3SB4	337	A804_354.0 P90 BE90LA4	A804_354.0 P90 BX90LA4	338						
4.1	3126	0.9	351.2	30000	A604_351.2 S3 ME3SB4	A604_351.2 S3 MX3SB4	330	A604_351.2 P90 BE90LA4	A604_351.2 P90 BX90LA4	331						
4.4	2885	1.0	324.2	30000	A604_324.2 S3 ME3SB4	A604_324.2 S3 MX3SB4	330	A604_324.2 P90 BE90LA4	A604_324.2 P90 BX90LA4	331						
4.5	2816	1.8	316.4	50000	A704_316.4 S3 ME3SB4	A704_316.4 S3 MX3SB4	334	A704_316.4 P90 BE90LA4	A704_316.4 P90 BX90LA4	335						
4.8	2673	3.0	300.4	65000	A804_300.4 S3 ME3SB4	A804_300.4 S3 MX3SB4	337	A804_300.4 P90 BE90LA4	A804_300.4 P90 BX90LA4	338						
4.9	2599	1.9	292.0	50000	A704_292.0 S3 ME3SB4	A704_292.0 S3 MX3SB4	334	A704_292.0 P90 BE90LA4	A704_292.0 P90 BX90LA4	335						
5.0	2548	1.1	286.3	30000	A604_286.3 S3 ME3SB4	A604_286.3 S3 MX3SB4	330	A604_286.3 P90 BE90LA4	A604_286.3 P90 BX90LA4	331						
5.2	2468	3.2	277.3	65000	A804_277.3 S3 ME3SB4	A804_277.3 S3 MX3SB4	337	A804_277.3 P90 BE90LA4	A804_277.3 P90 BX90LA4	338						
5.4	2352	1.2	264.3	30000	A604_264.3 S3 ME3SB4	A604_264.3 S3 MX3SB4	330	A604_264.3 P90 BE90LA4	A604_264.3 P90 BX90LA4	331						
6.0	2124	2.4	238.6	50000	A704_238.6 S3 ME3SB4	A704_238.6 S3 MX3SB4	334	A704_238.6 P90 BE90LA4	A704_238.6 P90 BX90LA4	335						
6.3	2013	1.4	226.1	30000	A604_226.1 S3 ME3SB4	A604_226.1 S3 MX3SB4	330	A604_226.1 P90 BE90LA4	A604_226.1 P90 BX90LA4	331						
6.5	1960	2.6	220.3	50000	A704_220.3 S3 ME3SB4	A704_220.3 S3 MX3SB4	334	A704_220.3 P90 BE90LA4	A704_220.3 P90 BX90LA4	335						
6.9	1858	1.5	208.7	30000	A604_208.7 S3 ME3SB4	A604_208.7 S3 MX3SB4	330	A604_208.7 P90 BE90LA4	A604_208.7 P90 BX90LA4	331						
6.9	1852	1.1	208.1	30000	A554_208.1 S3 ME3SB4	A554_208.1 S3 MX3SB4	326	A554_208.1 P90 BE90LA4	A554_208.1 P90 BX90LA4	327						
7.4	1767	1.1	194.2	30000	A553_194.2 S3 ME3SB4	A553_194.2 S3 MX3SB4	326	A553_194.2 P90 BE90LA4	A553_194.2 P90 BX90LA4	327						
7.7	1690	1.7	185.8	30000	A603_185.8 S3 ME3SB4	A603_185.8 S3 MX3SB4	330	A603_185.8 P90 BE90LA4	A603_185.8 P90 BX90LA4	331						
7.8	1637	3.1	183.9	50000	A704_183.9 S3 ME3SB4	A704_183.9 S3 MX3SB4	334	A704_183.9 P90 BE90LA4	A704_183.9 P90 BX90LA4	335						
8.2	1593	1.3	175.0	30000	A553_175.0 S3 ME3SB4	A553_175.0 S3 MX3SB4	326	A553_175.0 P90 BE90LA4	A553_175.0 P90 BX90LA4	327						
8.2	1578	1.0	173.4	20000	A503_173.4 S3 ME3SB4	A503_173.4 S3 MX3SB4	322	A503_173.4 P90 BE90LA4	A503_173.4 P90 BX90LA4	323						
8.3	1560	1.8	171.5	30000	A603_171.5 S3 ME3SB4	A603_171.5 S3 MX3SB4	330	A603_171.5 P90 BE90LA4	A603_171.5 P90 BX90LA4	331						
8.4	1511	3.3	169.8	50000	A704_169.8 S3 ME3SB4	A704_169.8 S3 MX3SB4	334	A704_169.8 P90 BE90LA4	A704_169.8 P90 BX90LA4	335						
8.9	1460	1.4	160.4	30000	A553_160.4 S3 ME3SB4	A553_160.4 S3 MX3SB4	326	A553_160.4 P90 BE90LA4	A553_160.4 P90 BX90LA4	327						
9.2	1420	2.0	156.0	30000	A603_156.0 S3 ME3SB4	A603_156.0 S3 MX3SB4	330	A603_156.0 P90 BE90LA4	A603_156.0 P90 BX90LA4	331						
9.3	1407	1.1	154.6	20000	A503_154.6 S3 ME3SB4	A503_154.6 S3 MX3SB4	322	A503_154.6 P90 BE90LA4	A503_154.6 P90 BX90LA4	323						
9.3	1399	2.9	153.7	50000	A703_153.7 S3 ME3SB4	A703_153.7 S3 MX3SB4	334	A703_153.7 P90 BE90LA4	A703_153.7 P90 BX90LA4	335						
9.7	1336	1.5	146.8	30000	A553_146.8 S3 ME3SB4	A553_146.8 S3 MX3SB4	326	A553_146.8 P90 BE90LA4	A553_146.8 P90 BX90LA4	327						
9.9	1311	2.1	144.0	30000	A603_144.0 S3 ME3SB4	A603_144.0 S3 MX3SB4	330	A603_144.0 P90 BE90LA4	A603_144.0 P90 BX90LA4	331						
10.2	1280	1.2	140.6	20000	A503_140.6 S3 ME3SB4	A503_140.6 S3 MX3SB4	322	A503_140.6 P90 BE90LA4	A503_140.6 P90 BX90LA4	323						
10.7	1213	2.3	133.3	30000	A603_133.3 S3 ME3SB4	A603_133.3 S3 MX3SB4	330	A603_133.3 P90 BE90LA4	A603_133.3 P90 BX90LA4	331						
10.8	1208	1.7	132.7	30000	A553_132.7 S3 ME3SB4	A553_132.7 S3 MX3SB4	326	A553_132.7 P90 BE90LA4	A553_132.7 P90 BX90LA4	327						
11.0	1180	1.3	129.7	20000	A503_129.7 S3 ME3SB4	A503_129.7 S3 MX3SB4	322	A503_129.7 P90 BE90LA4	A503_129.7 P90 BX90LA4	323						
11.5	1127	1.8	123.9	30000	A553_123.9 S3 ME3SB4	A553_123.9 S3 MX3SB4	326	A553_123.9 P90 BE90LA4	A553_123.9 P90 BX90LA4	327						
11.6	1120	2.5	123.0	30000	A603_123.0 S3 ME3SB4	A603_123.0 S3 MX3SB4	330	A603_123.0 P90 BE90LA4	A603_123.0 P90 BX90LA4	331						
12.1	1073	1.4	118.0	20000	A503_118.0 S3 ME3SB4	A503_118.0 S3 MX3SB4	322	A503_118.0 P90 BE90LA4	A503_118.0 P90 BX90LA4	323						
13.1	996	1.5	109.4	20000	A503_109.4 S3 ME3SB4	A503_109.4 S3 MX3SB4	322	A503_109.4 P90 BE90LA4	A503_109.4 P90 BX90LA4	323						
13.3	981	2.9	107.8	30000	A603_107.8 S3 ME3SB4	A603_107.8 S3 MX3SB4	330	A603_107.8 P90 BE90LA4	A603_107.8 P90 BX90LA4	331						
14.1	923	2.2	101.4	30000	A553_101.4 S3 ME3SB4	A553_101.4 S3 MX3SB4	326	A553_101.4 P90 BE90LA4	A553_101.4 P90 BX90LA4	327						
14.4	906	1.7	99.5	20000	A503_99.5 S3 ME3SB4	A503_99.5 S3 MX3SB4	322	A503_99.5 P90 BE90LA4	A503_99.5 P90 BX90LA4	323						
14.4	906	3.1	99.5	30000	A603_99.5 S3 ME3SB4	A603_99.5 S3 MX3SB4	330	A603_99.5 P90 BE90LA4	A603_99.5 P90 BX90LA4	331						
15.4	844	0.9	92.8	15000	A413_92.8 S3 ME3SB4	A413_92.8 S3 MX3SB4	318	A413_92.8 P90 BE90LA4	A413_92.8 P90 BX90LA4	319						
16.0	815	1.8	89.5	20000	A503_89.5 S3 ME3SB4	A503_89.5 S3 MX3SB4	322	A503_89.5 P90 BE90LA4	A503_89.5 P90 BX90LA4	323						
16.6	786	3.6	86.4	30000	A603_86.4 S3 ME3SB4	A603_86.4 S3 MX3SB4	330	A603_86.4 P90 BE90LA4	A603_86.4 P90 BX90LA4	331						
17.6	741	2.0	81.5	20000	A503_81.5 S3 ME3SB4	A503_81.5 S3 MX3SB4	322	A503_81.5 P90 BE90LA4	A503_81.5 P90 BX90LA4	323						
18.0	724	2.8	79.5	30000	A553_79.5 S3 ME3SB4	A553_79.5 S3 MX3SB4	326	A553_79.5 P90 BE90LA4	A553_79.5 P90 BX90LA4	327						
18.0	745	1.1	79.2	15000	A412_79.2 S3 ME3SB4	A412_79.2 S3 MX3SB4	318	A412_79.2 P90 BE90LA4	A412_79.2 P90 BX90LA4	319						
20.1	670	1.3	71.3	15000	A412_71.3 S3 ME3SB4	A412_71.3 S3 MX3SB4	318	A412_71.3 P90 BE90LA4	A412_71.3 P90 BX90LA4	319						
20.4	639	2.3	70.2	20000	A503_70.2 S3 ME3SB4	A503_70.2 S3 MX3SB4	322	A503_70.2 P90 BE90LA4	A503_70.2 P90 BX90LA4	323						
21.7	619	1.0	65.8	11600	A352_65.8 S3 ME3SB4	A352_65.8 S3 MX3SB4	314	A352_65.8 P90 BE90LA4	A352_65.8 P90 BX90LA4	315						
22.2	585	3.4	64.3	30000	A553_64.3 S3 ME3SB4	A553_64.3 S3 MX3SB4	326	A553_64.3 P90 BE90LA4	A553_64.3 P90 BX90LA4	327						
22.3	603	1.4	64.2	15000	A412_64.2 S3 ME3SB4	A412_64.2 S3 MX3SB4	318	A412_64.2 P90 BE90LA4	A412_64.2 P90 BX90LA4	319						
22.4	581	2.6	63.9	20000	A503_63.9 S3 ME3SB4	A503_63.9 S3 MX3SB4	322	A503_63.9 P90 BE90LA4	A503_63.9 P90 BX90LA4	323						
23.7	567	1.1	60.4	11500	A352_60.4 S3 ME3SB4	A352_60.4 S3 MX3SB4	314	A352_60.4 P90 BE90LA4	A352_60.4 P90 BX90LA4	315						
24.3	553	1.5	58.8	15000	A412_58.8 S3 ME3SB4	A412_58.8 S3 MX3SB4	318	A412_58.8 P90 BE90LA4	A412_58.8 P90 BX90LA4	319						
25.2	517	2.9	56.8	20000	A503_56.8 S3 ME3SB4	A503_56.8 S3 MX3SB4	322	A503_56.8 P90 BE90LA4	A503_56.8 P90 BX90LA4	323						
26.3	510	1.2	54.3	11300	A352_54.3 S3 ME3SB4	A352_54.3 S3 MX3SB4	314	A352_54.3 P90 BE90LA4	A352_54.3 P90 BX90LA4	315						
26.9	500	1.7	53.1	15000	A412_53.1 S3 ME3SB4	A412_53.1 S3 MX3SB4	318	A412_53.1 P90 BE90LA4	A412_53.1 P90 BX90LA4	319						
27.7	470	3.2	51.7	19700	A503_51.7 S3 ME3SB4	A503_51.7 S3 MX3SB4	322	A503_51.7 P90 BE90LA4	A503_51.7 P90 BX90LA4	323						
29.1	461	1.3	49.1	11100	A352_49.1 S3 ME3SB4	A352_49.1 S3 MX3SB4	314	A352_49.1 P90 BE90LA4	A352_49.1 P90 BX90LA4	315						
29.6	454	0.9	48.3	6680	A302_48.3 S3 ME3SB4	A302_48.3 S3 MX3SB4	310	A302_48.3 P90 BE90LA4	A302_48.3 P90 BX90LA4	311						
29.6	454	1.9	48.3	14900	A412_48.3 S3 ME3SB4	A412_48.3 S3 MX3SB4	318	A412_48.3 P90 BE90LA4	A412_48.3 P90 BX90LA4	319						
31	431	1.4	45.8	11000	A352_45.8 S3 ME3SB4	A352_45.8 S3 MX3SB4	314	A352_45.8 P90 BE90LA4	A352_45.8 P90 BX90LA4	315						
32	424	2.0	45.1	14600	A412_45.1 S3 ME3SB4	A412_45.1 S3 MX3SB4	318	A412_45.1 P90 BE90LA4	A412_45.1 P90 BX90LA4	319						
33	408	1.0	43.4	6450	A302_43.4 S3 ME3SB4	A302_43.4 S3 MX3SB4	310	A302_43.4 P90 BE90LA4	A302_43.4 P90 BX90LA4	311						



1.5 kW



n ₂	M ₂	S	i	R _{n2}						
min ⁻¹	Nm			N	IE2	IE3		IE2	IE3	
34	393	1.5	41.8	10800	A352_41.8 S3 ME3SB4	A352_41.8 S3 MX3SB4	314	A352_41.8 P90 BE90LA4	A352_41.8 P90 BX90LA4	315
36	369	1.1	39.3	6380	A302_39.3 S3 ME3SB4	A302_39.3 S3 MX3SB4	310	A302_39.3 P90 BE90LA4	A302_39.3 P90 BX90LA4	311
39	344	1.2	36.6	6330	A302_36.6 S3 ME3SB4	A302_36.6 S3 MX3SB4	310	A302_36.6 P90 BE90LA4	A302_36.6 P90 BX90LA4	311
39	344	1.7	36.6	10500	A352_36.6 S3 ME3SB4	A352_36.6 S3 MX3SB4	314	A352_36.6 P90 BE90LA4	A352_36.6 P90 BX90LA4	315
40	338	2.3	35.9	13800	A412_35.9 S3 ME3SB4	A412_35.9 S3 MX3SB4	318	A412_35.9 P90 BE90LA4	A412_35.9 P90 BX90LA4	319
43	314	1.3	33.4	6260	A302_33.4 S3 ME3SB4	A302_33.4 S3 MX3SB4	310	A302_33.4 P90 BE90LA4	A302_33.4 P90 BX90LA4	311
43	312	1.9	33.2	10300	A352_33.2 S3 ME3SB4	A352_33.2 S3 MX3SB4	314	A352_33.2 P90 BE90LA4	A352_33.2 P90 BX90LA4	315
49	275	1.5	29.3	6140	A302_29.3 S3 ME3SB4	A302_29.3 S3 MX3SB4	310	A302_29.3 P90 BE90LA4	A302_29.3 P90 BX90LA4	311
49	275	0.9	29.2	3820	A202_29.2 S3 ME3SB4	A202_29.2 S3 MX3SB4	306	A202_29.2 P90 BE90LA4	A202_29.2 P90 BX90LA4	307
50	267	2.2	28.4	9940	A352_28.4 S3 ME3SB4	A352_28.4 S3 MX3SB4	314	A352_28.4 P90 BE90LA4	A352_28.4 P90 BX90LA4	315
50	266	2.7	28.3	13000	A412_28.3 S3 ME3SB4	A412_28.3 S3 MX3SB4	318	A412_28.3 P90 BE90LA4	A412_28.3 P90 BX90LA4	319
54	249	1.6	26.5	6040	A302_26.5 S3 ME3SB4	A302_26.5 S3 MX3SB4	310	A302_26.5 P90 BE90LA4	A302_26.5 P90 BX90LA4	311
54	249	1.0	26.5	3790	A202_26.5 S3 ME3SB4	A202_26.5 S3 MX3SB4	306	A202_26.5 P90 BE90LA4	A202_26.5 P90 BX90LA4	307
56	241	2.5	25.7	9710	A352_25.7 S3 ME3SB4	A352_25.7 S3 MX3SB4	314	A352_25.7 P90 BE90LA4	A352_25.7 P90 BX90LA4	315
62	217	1.2	23.1	3760	A202_23.1 S3 ME3SB4	A202_23.1 S3 MX3SB4	306	A202_23.1 P90 BE90LA4	A202_23.1 P90 BX90LA4	307
63	214	1.9	22.8	5870	A302_22.8 S3 ME3SB4	A302_22.8 S3 MX3SB4	310	A302_22.8 P90 BE90LA4	A302_22.8 P90 BX90LA4	311
63	213	3.2	22.7	12200	A412_22.7 S3 ME3SB4	A412_22.7 S3 MX3SB4	318	A412_22.7 P90 BE90LA4	A412_22.7 P90 BX90LA4	319
64	211	2.8	22.5	9400	A352_22.5 S3 ME3SB4	A352_22.5 S3 MX3SB4	314	A352_22.5 P90 BE90LA4	A352_22.5 P90 BX90LA4	315
67	200	1.3	21.2	3730	A202_21.2 S3 ME3SB4	A202_21.2 S3 MX3SB4	306	A202_21.2 P90 BE90LA4	A202_21.2 P90 BX90LA4	307
70	193	2.1	20.5	5760	A302_20.5 S3 ME3SB4	A302_20.5 S3 MX3SB4	310	A302_20.5 P90 BE90LA4	A302_20.5 P90 BX90LA4	311
70	192	3.1	20.4	9170	A352_20.4 S3 ME3SB4	A352_20.4 S3 MX3SB4	314	A352_20.4 P90 BE90LA4	A352_20.4 P90 BX90LA4	315
79	170	1.5	18.1	3660	A202_18.1 S3 ME3SB4	A202_18.1 S3 MX3SB4	306	A202_18.1 P90 BE90LA4	A202_18.1 P90 BX90LA4	307
80	169	2.4	18.0	5600	A302_18.0 S3 ME3SB4	A302_18.0 S3 MX3SB4	310	A302_18.0 P90 BE90LA4	A302_18.0 P90 BX90LA4	311
87	155	1.0	16.4	3720	A102_16.4 S3 ME3SB4	A102_16.4 S3 MX3SB4	302	A102_16.4 P90 BE90LA4	A102_16.4 P90 BX90LA4	303
88	154	2.5	16.3	5480	A302_16.3 S3 ME3SB4	A302_16.3 S3 MX3SB4	310	A302_16.3 P90 BE90LA4	A302_16.3 P90 BX90LA4	311
88	152	1.6	16.2	3600	A202_16.2 S3 ME3SB4	A202_16.2 S3 MX3SB4	306	A202_16.2 P90 BE90LA4	A202_16.2 P90 BX90LA4	307
102	132	1.9	14.1	3530	A202_14.1 S3 ME3SB4	A202_14.1 S3 MX3SB4	306	A202_14.1 P90 BE90LA4	A202_14.1 P90 BX90LA4	307
103	131	1.1	13.9	3090	A102_13.9 S3 ME3SB4	A102_13.9 S3 MX3SB4	302	A102_13.9 P90 BE90LA4	A102_13.9 P90 BX90LA4	303
105	128	2.9	13.6	5250	A302_13.6 S3 ME3SB4	A302_13.6 S3 MX3SB4	310	A302_13.6 P90 BE90LA4	A302_13.6 P90 BX90LA4	311
116	116	1.2	12.3	3040	A102_12.3 S3 ME3SB4	A102_12.3 S3 MX3SB4	302	A102_12.3 P90 BE90LA4	A102_12.3 P90 BX90LA4	303
120	112	1.9	12.0	3420	A202_12.0 S3 ME3SB4	A202_12.0 S3 MX3SB4	306	A202_12.0 P90 BE90LA4	A202_12.0 P90 BX90LA4	307
121	111	2.7	11.8	5060	A302_11.8 S3 ME3SB4	A302_11.8 S3 MX3SB4	310	A302_11.8 P90 BE90LA4	A302_11.8 P90 BX90LA4	311
125	107	3.3	22.8	5040	A302_22.8 S3 ME3SA2		310	A302_22.8 P90 BE90SA2		311
135	99	1.5	10.6	2990	A102_10.6 S3 ME3SB4	A102_10.6 S3 MX3SB4	302	A102_10.6 P90 BE90LA4	A102_10.6 P90 BX90LA4	303
137	98	3.5	10.5	4930	A302_10.5 S3 ME3SB4	A302_10.5 S3 MX3SB4	310	A302_10.5 P90 BE90LA4	A302_10.5 P90 BX90LA4	311
138	97	2.3	10.3	3330	A202_10.3 S3 ME3SB4	A202_10.3 S3 MX3SB4	306	A202_10.3 P90 BE90LA4	A202_10.3 P90 BX90LA4	307
149	90	1.5	9.6	2940	A102_9.6 S3 ME3SB4	A102_9.6 S3 MX3SB4	302	A102_9.6 P90 BE90LA4	A102_9.6 P90 BX90LA4	303
153	88	2.4	9.4	3250	A202_9.4 S3 ME3SB4	A202_9.4 S3 MX3SB4	306	A202_9.4 P90 BE90LA4	A202_9.4 P90 BX90LA4	307
154	88	3.4	9.3	4770	A302_9.3 S3 ME3SB4	A302_9.3 S3 MX3SB4	310	A302_9.3 P90 BE90LA4	A302_9.3 P90 BX90LA4	311
168	80	1.7	8.5	3420	A102_8.5 S3 ME3SB4	A102_8.5 S3 MX3SB4	302	A102_8.5 P90 BE90LA4	A102_8.5 P90 BX90LA4	303
171	79	2.7	8.4	3180	A202_8.4 S3 ME3SB4	A202_8.4 S3 MX3SB4	306	A202_8.4 P90 BE90LA4	A202_8.4 P90 BX90LA4	307
196	69	3.1	7.3	3080	A202_7.3 S3 ME3SB4	A202_7.3 S3 MX3SB4	306	A202_7.3 P90 BE90LA4	A202_7.3 P90 BX90LA4	307
198	68	2.1	7.2	2790	A102_7.2 S3 ME3SB4	A102_7.2 S3 MX3SB4	302	A102_7.2 P90 BE90LA4	A102_7.2 P90 BX90LA4	303
219	61	3.4	6.5	3000	A202_6.5 S3 ME3SB4	A202_6.5 S3 MX3SB4	306	A202_6.5 P90 BE90LA4	A202_6.5 P90 BX90LA4	307
226	60	2.4	6.3	3220	A102_6.3 S3 ME3SB4	A102_6.3 S3 MX3SB4	302	A102_6.3 P90 BE90LA4	A102_6.3 P90 BX90LA4	303
262	51	2.7	5.5	2630	A102_5.5 S3 ME3SB4	A102_5.5 S3 MX3SB4	302	A102_5.5 P90 BE90LA4	A102_5.5 P90 BX90LA4	303
297	45	3.1	9.6	2560	A102_9.6 S3 ME3SA2		302	A102_9.6 P90 BE90SA2		303
335	40	3.5	8.5	2950	A102_8.5 S3 ME3SA2		302	A102_8.5 P90 BE90SA2		303

1.5 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	
0.88	14528	1.0	1632	75000		A904_1632 P90 BXN90L4	341
0.95	13410	1.0	1507	75000		A904_1507 P90 BXN90L4	341
1.1	11784	1.2	1324	75000		A904_1324 P90 BXN90L4	341
1.2	10877	1.3	1222	75000		A904_1222 P90 BXN90L4	341
1.3	9884	1.4	1111	75000		A904_1111 P90 BXN90L4	341
1.4	9124	1.5	1025	75000		A904_1025 P90 BXN90L4	341
1.4	8913	0.9	1001	65000		A804_1001 P90 BXN90L4	338
1.5	8341	1.7	937.2	75000		A904_937.2 P90 BXN90L4	341
1.6	7998	1.0	898.7	65000		A804_898.7 P90 BXN90L4	338
1.7	7699	1.8	865.1	75000		A904_865.1 P90 BXN90L4	341
1.7	7383	1.1	829.5	65000		A804_829.5 P90 BXN90L4	338






1.5 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IEC
1.9	6826	2.1	766.9	75000		A904_766.9 P90 BXN90L4 341
1.9	6783	1.2	762.1	65000		A804_762.1 P90 BXN90L4 338
2.0	6300	2.2	707.9	75000		A904_707.9 P90 BXN90L4 341
2.0	6261	1.3	703.5	65000		A804_703.5 P90 BXN90L4 338
2.2	5737	0.9	644.6	50000		A704_644.6 P90 BXN90L4 335
2.4	5404	1.5	607.2	65000		A804_607.2 P90 BXN90L4 338
2.4	5354	2.6	601.6	75000		A904_601.6 P90 BXN90L4 341
2.4	5296	0.9	595.0	50000		A704_595.0 P90 BXN90L4 335
2.6	4988	1.6	560.5	65000		A804_560.5 P90 BXN90L4 338
2.6	4942	2.8	555.3	75000		A904_555.3 P90 BXN90L4 341
2.8	4587	1.1	515.4	50000		A704_515.4 P90 BXN90L4 335
2.9	4331	3.2	486.6	75000		A904_486.6 P90 BXN90L4 341
3.0	4262	1.9	478.9	65000		A804_478.9 P90 BXN90L4 338
3.0	4234	1.2	475.8	50000		A704_475.8 P90 BXN90L4 335
3.2	3998	3.5	449.2	75000		A904_449.2 P90 BXN90L4 341
3.2	3935	2.0	442.1	65000		A804_442.1 P90 BXN90L4 338
3.6	3561	1.4	400.2	50000		A704_400.2 P90 BXN90L4 335
3.7	3413	2.3	383.5	65000		A804_383.5 P90 BXN90L4 338
3.9	3288	1.5	369.4	50000		A704_369.4 P90 BXN90L4 335
4.0	3150	2.5	354.0	65000		A804_354.0 P90 BXN90L4 338
4.1	3126	0.9	351.2	30000		A604_351.2 P90 BXN90L4 331
4.4	2885	1.0	324.2	30000		A604_324.2 P90 BXN90L4 331
4.5	2816	1.8	316.4	50000		A704_316.4 P90 BXN90L4 335
4.8	2673	3.0	300.4	65000		A804_300.4 P90 BXN90L4 338
4.9	2599	1.9	292.0	50000		A704_292.0 P90 BXN90L4 335
5.0	2548	1.1	286.3	30000		A604_286.3 P90 BXN90L4 331
5.2	2468	3.2	277.3	65000		A804_277.3 P90 BXN90L4 338
5.4	2352	1.2	264.3	30000		A604_264.3 P90 BXN90L4 331
6.0	2124	2.4	238.6	50000		A704_238.6 P90 BXN90L4 335
6.3	2013	1.4	226.1	30000		A604_226.1 P90 BXN90L4 331
6.5	1960	2.6	220.3	50000		A704_220.3 P90 BXN90L4 335
6.9	1858	1.5	208.7	30000		A604_208.7 P90 BXN90L4 331
6.9	1852	1.1	208.1	30000		A554_208.1 P90 BXN90L4 327
7.4	1767	1.1	194.2	30000		A553_194.2 P90 BXN90L4 327
7.7	1690	1.7	185.8	30000		A603_185.8 P90 BXN90L4 331
7.8	1637	3.1	183.9	50000		A704_183.9 P90 BXN90L4 335
8.2	1593	1.3	175.0	30000		A553_175.0 P90 BXN90L4 327
8.2	1578	1.0	173.4	20000		A503_173.4 P90 BXN90L4 323
8.3	1560	1.8	171.5	30000		A603_171.5 P90 BXN90L4 331
8.4	1511	3.3	169.8	50000		A704_169.8 P90 BXN90L4 335
8.9	1460	1.4	160.4	30000		A553_160.4 P90 BXN90L4 327
9.2	1420	2.0	156.0	30000		A603_156.0 P90 BXN90L4 331
9.3	1407	1.1	154.6	20000		A503_154.6 P90 BXN90L4 323
9.3	1399	2.9	153.7	50000		A703_153.7 P90 BXN90L4 335
9.7	1336	1.5	146.8	30000		A553_146.8 P90 BXN90L4 327
9.9	1311	2.1	144.0	30000		A603_144.0 P90 BXN90L4 331
10.2	1280	1.2	140.6	20000		A503_140.6 P90 BXN90L4 323
10.7	1213	2.3	133.3	30000		A603_133.3 P90 BXN90L4 331
10.8	1208	1.7	132.7	30000		A553_132.7 P90 BXN90L4 327
11.0	1180	1.3	129.7	20000		A503_129.7 P90 BXN90L4 323
11.5	1127	1.8	123.9	30000		A553_123.9 P90 BXN90L4 327
11.6	1120	2.5	123.0	30000		A603_123.0 P90 BXN90L4 331
12.1	1073	1.4	118.0	20000		A503_118.0 P90 BXN90L4 323
13.1	996	1.5	109.4	20000		A503_109.4 P90 BXN90L4 323
13.3	981	2.9	107.8	30000		A603_107.8 P90 BXN90L4 331
14.1	923	2.2	101.4	30000		A553_101.4 P90 BXN90L4 327
14.4	906	1.7	99.5	20000		A503_99.5 P90 BXN90L4 323
14.4	906	3.1	99.5	30000		A603_99.5 P90 BXN90L4 331
15.4	844	0.9	92.8	15000		A413_92.8 P90 BXN90L4 319
16.0	815	1.8	89.5	20000		A503_89.5 P90 BXN90L4 323
16.6	786	3.6	86.4	30000		A603_86.4 P90 BXN90L4 331
17.6	741	2.0	81.5	20000		A503_81.5 P90 BXN90L4 323
18.0	724	2.8	79.5	30000		A553_79.5 P90 BXN90L4 327
18.0	745	1.1	79.2	15000		A412_79.2 P90 BXN90L4 319
20.1	670	1.3	71.3	15000		A412_71.3 P90 BXN90L4 319
20.4	639	2.3	70.2	20000		A503_70.2 P90 BXN90L4 323
21.7	619	1.0	65.8	11600		A352_65.8 P90 BXN90L4 315

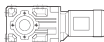






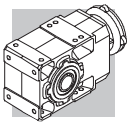
1.5 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE3	 IE3	
22.2	585	3.4	64.3	30000		A553_64.3 P90 BXN90L4	327
22.3	603	1.4	64.2	15000		A412_64.2 P90 BXN90L4	319
22.4	581	2.6	63.9	20000		A503_63.9 P90 BXN90L4	323
23.7	567	1.1	60.4	11500		A352_60.4 P90 BXN90L4	315
24.3	553	1.5	58.8	15000		A412_58.8 P90 BXN90L4	319
25.2	517	2.9	56.8	20000		A503_56.8 P90 BXN90L4	323
26.3	510	1.2	54.3	11300		A352_54.3 P90 BXN90L4	315
26.9	500	1.7	53.1	15000		A412_53.1 P90 BXN90L4	319
27.7	470	3.2	51.7	19700		A503_51.7 P90 BXN90L4	323
29.1	461	1.3	49.1	11100		A352_49.1 P90 BXN90L4	315
29.6	454	0.9	48.3	6680		A302_48.3 P90 BXN90L4	311
29.6	454	1.9	48.3	14900		A412_48.3 P90 BXN90L4	319
31	431	1.4	45.8	11000		A352_45.8 P90 BXN90L4	315
32	424	2.0	45.1	14600		A412_45.1 P90 BXN90L4	319
33	408	1.0	43.4	6450		A302_43.4 P90 BXN90L4	311
34	393	1.5	41.8	10800		A352_41.8 P90 BXN90L4	315
36	369	1.1	39.3	6380		A302_39.3 P90 BXN90L4	311
39	344	1.2	36.6	6330		A302_36.6 P90 BXN90L4	311
39	344	1.7	36.6	10500		A352_36.6 P90 BXN90L4	315
40	338	2.3	35.9	13800		A412_35.9 P90 BXN90L4	319
43	314	1.3	33.4	6260		A302_33.4 P90 BXN90L4	311
43	312	1.9	33.2	10300		A352_33.2 P90 BXN90L4	315
49	275	1.5	29.3	6140		A302_29.3 P90 BXN90L4	311
49	275	0.9	29.2	3820		A202_29.2 P90 BXN90L4	307
50	267	2.2	28.4	9940		A352_28.4 P90 BXN90L4	315
50	266	2.7	28.3	13000		A412_28.3 P90 BXN90L4	319
54	249	1.6	26.5	6040		A302_26.5 P90 BXN90L4	311
54	249	1.0	26.5	3790		A202_26.5 P90 BXN90L4	307
56	241	2.5	25.7	9710		A352_25.7 P90 BXN90L4	315
62	217	1.2	23.1	3760		A202_23.1 P90 BXN90L4	307
63	214	1.9	22.8	5870		A302_22.8 P90 BXN90L4	311
63	213	3.2	22.7	12200		A412_22.7 P90 BXN90L4	319
64	211	2.8	22.5	9400		A352_22.5 P90 BXN90L4	315
67	200	1.3	21.2	3730		A202_21.2 P90 BXN90L4	307
70	193	2.1	20.5	5760		A302_20.5 P90 BXN90L4	311
70	192	3.1	20.4	9170		A352_20.4 P90 BXN90L4	315
79	170	1.5	18.1	3660		A202_18.1 P90 BXN90L4	307
80	169	2.4	18.0	5600		A302_18.0 P90 BXN90L4	311
87	155	1.0	16.4	3720		A102_16.4 P90 BXN90L4	303
88	154	2.5	16.3	5480		A302_16.3 P90 BXN90L4	311
88	152	1.6	16.2	3600		A202_16.2 P90 BXN90L4	307
102	132	1.9	14.1	3530		A202_14.1 P90 BXN90L4	307
103	131	1.1	13.9	3090		A102_13.9 P90 BXN90L4	303
105	128	2.9	13.6	5250		A302_13.6 P90 BXN90L4	311
116	116	1.2	12.3	3040		A102_12.3 P90 BXN90L4	303
120	112	1.9	12.0	3420		A202_12.0 P90 BXN90L4	307
121	111	2.7	11.8	5060		A302_11.8 P90 BXN90L4	311
125	107	3.3	22.8	5040			
135	99	1.5	10.6	2990		A102_10.6 P90 BXN90L4	303
137	98	3.5	10.5	4930		A302_10.5 P90 BXN90L4	311
138	97	2.3	10.3	3330		A202_10.3 P90 BXN90L4	307
149	90	1.5	9.6	2940		A102_9.6 P90 BXN90L4	303
153	88	2.4	9.4	3250		A202_9.4 P90 BXN90L4	307
154	88	3.4	9.3	4770		A302_9.3 P90 BXN90L4	311
168	80	1.7	8.5	3420		A102_8.5 P90 BXN90L4	303
171	79	2.7	8.4	3180		A202_8.4 P90 BXN90L4	307
196	69	3.1	7.3	3080		A202_7.3 P90 BXN90L4	307
198	68	2.1	7.2	2790		A102_7.2 P90 BXN90L4	303
219	61	3.4	6.5	3000		A202_6.5 P90 BXN90L4	307
226	60	2.4	6.3	3220		A102_6.3 P90 BXN90L4	303
262	51	2.7	5.5	2630		A102_5.5 P90 BXN90L4	303
297	45	3.1	9.6	2560			
335	40	3.5	8.5	2950			

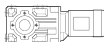





2.2 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N							
					IE2	IE3			IE2	IE3	
1.2	15990	0.9	1222	75000	A904_1222 S3 ME3LA4	A904_1222 S3 MX3LA4	340	A904_1222 P100 BE100LA4	A904_1222 P100 BX100LA4	341	
1.3	14530	1.0	1111	75000	A904_1111 S3 ME3LA4	A904_1111 S3 MX3LA4	340	A904_1111 P100 BE100LA4	A904_1111 P100 BX100LA4	341	
1.4	13412	1.0	1025	75000	A904_1025 S3 ME3LA4	A904_1025 S3 MX3LA4	340	A904_1025 P100 BE100LA4	A904_1025 P100 BX100LA4	341	
1.5	12261	1.1	937.2	75000	A904_937.2 S3 ME3LA4	A904_937.2 S3 MX3LA4	340	A904_937.2 P100 BE100LA4	A904_937.2 P100 BX100LA4	341	
1.7	11318	1.2	865.1	75000	A904_865.1 S3 ME3LA4	A904_865.1 S3 MX3LA4	340	A904_865.1 P100 BE100LA4	A904_865.1 P100 BX100LA4	341	
1.9	10034	1.4	766.9	75000	A904_766.9 S3 ME3LA4	A904_766.9 S3 MX3LA4	340	A904_766.9 P100 BE100LA4	A904_766.9 P100 BX100LA4	341	
2.0	9262	1.5	707.9	75000	A904_707.9 S3 ME3LA4	A904_707.9 S3 MX3LA4	340	A904_707.9 P100 BE100LA4	A904_707.9 P100 BX100LA4	341	
2.0	9203	0.9	703.5	65000	A804_703.5 S3 ME3LA4	A804_703.5 S3 MX3LA4	337	A804_703.5 P100 BE100LA4	A804_703.5 P100 BX100LA4	338	
2.4	7943	1.0	607.2	65000	A804_607.2 S3 ME3LA4	A804_607.2 S3 MX3LA4	337	A804_607.2 P100 BE100LA4	A804_607.2 P100 BX100LA4	338	
2.4	7870	1.8	601.6	75000	A904_601.6 S3 ME3LA4	A904_601.6 S3 MX3LA4	340	A904_601.6 P100 BE100LA4	A904_601.6 P100 BX100LA4	341	
2.6	7332	1.1	560.5	65000	A804_560.5 S3 ME3LA4	A804_560.5 S3 MX3LA4	337	A804_560.5 P100 BE100LA4	A804_560.5 P100 BX100LA4	338	
2.6	7265	1.9	555.3	75000	A904_555.3 S3 ME3LA4	A904_555.3 S3 MX3LA4	340	A904_555.3 P100 BE100LA4	A904_555.3 P100 BX100LA4	341	
2.9	6366	2.2	486.6	75000	A904_486.6 S3 ME3LA4	A904_486.6 S3 MX3LA4	340	A904_486.6 P100 BE100LA4	A904_486.6 P100 BX100LA4	341	
3.0	6266	1.3	478.9	65000	A804_478.9 S3 ME3LA4	A804_478.9 S3 MX3LA4	337	A804_478.9 P100 BE100LA4	A804_478.9 P100 BX100LA4	338	
3.2	5876	2.4	449.2	75000	A904_449.2 S3 ME3LA4	A904_449.2 S3 MX3LA4	340	A904_449.2 P100 BE100LA4	A904_449.2 P100 BX100LA4	341	
3.2	5784	1.4	442.1	65000	A804_442.1 S3 ME3LA4	A804_442.1 S3 MX3LA4	337	A804_442.1 P100 BE100LA4	A804_442.1 P100 BX100LA4	338	
3.6	5235	1.0	400.2	50000	A704_400.2 S3 ME3LA4	A704_400.2 S3 MX3LA4	334	A704_400.2 P100 BE100LA4	A704_400.2 P100 BX100LA4	335	
3.7	5043	2.8	385.4	75000	A904_385.4 S3 ME3LA4	A904_385.4 S3 MX3LA4	340	A904_385.4 P100 BE100LA4	A904_385.4 P100 BX100LA4	341	
3.7	5017	1.6	383.5	65000	A804_383.5 S3 ME3LA4	A804_383.5 S3 MX3LA4	337	A804_383.5 P100 BE100LA4	A804_383.5 P100 BX100LA4	338	
3.9	4833	1.0	369.4	50000	A704_369.4 S3 ME3LA4	A704_369.4 S3 MX3LA4	334	A704_369.4 P100 BE100LA4	A704_369.4 P100 BX100LA4	335	
4.0	4655	3.0	355.8	75000	A904_355.8 S3 ME3LA4	A904_355.8 S3 MX3LA4	340	A904_355.8 P100 BE100LA4	A904_355.8 P100 BX100LA4	341	
4.0	4631	1.7	354.0	65000	A804_354.0 S3 ME3LA4	A804_354.0 S3 MX3LA4	337	A804_354.0 P100 BE100LA4	A804_354.0 P100 BX100LA4	338	
4.5	4139	1.2	316.4	50000	A704_316.4 S3 ME3LA4	A704_316.4 S3 MX3LA4	334	A704_316.4 P100 BE100LA4	A704_316.4 P100 BX100LA4	335	
4.7	3989	3.5	304.9	75000	A904_304.9 S3 ME3LA4	A904_304.9 S3 MX3LA4	340	A904_304.9 P100 BE100LA4	A904_304.9 P100 BX100LA4	341	
4.8	3930	2.0	300.4	65000	A804_300.4 S3 ME3LA4	A804_300.4 S3 MX3LA4	337	A804_300.4 P100 BE100LA4	A804_300.4 P100 BX100LA4	338	
4.9	3820	1.3	292.0	50000	A704_292.0 S3 ME3LA4	A704_292.0 S3 MX3LA4	334	A704_292.0 P100 BE100LA4	A704_292.0 P100 BX100LA4	335	
5.2	3628	2.2	277.3	65000	A804_277.3 S3 ME3LA4	A804_277.3 S3 MX3LA4	337	A804_277.3 P100 BE100LA4	A804_277.3 P100 BX100LA4	338	
6.0	3122	1.6	238.6	50000	A704_238.6 S3 ME3LA4	A704_238.6 S3 MX3LA4	334	A704_238.6 P100 BE100LA4	A704_238.6 P100 BX100LA4	335	
6.1	3043	2.6	232.6	65000	A804_232.6 S3 ME3LA4	A804_232.6 S3 MX3LA4	337	A804_232.6 P100 BE100LA4	A804_232.6 P100 BX100LA4	338	
6.3	2958	0.9	226.1	30000	A604_226.1 S3 ME3LA4	A604_226.1 S3 MX3LA4	330	A604_226.1 P100 BE100LA4	A604_226.1 P100 BX100LA4	331	
6.5	2882	1.7	220.3	50000	A704_220.3 S3 ME3LA4	A704_220.3 S3 MX3LA4	334	A704_220.3 P100 BE100LA4	A704_220.3 P100 BX100LA4	335	
6.7	2809	2.8	214.7	65000	A804_214.7 S3 ME3LA4	A804_214.7 S3 MX3LA4	337	A804_214.7 P100 BE100LA4	A804_214.7 P100 BX100LA4	338	
6.9	2731	1.0	208.7	30000	A604_208.7 S3 ME3LA4	A604_208.7 S3 MX3LA4	330	A604_208.7 P100 BE100LA4	A604_208.7 P100 BX100LA4	331	
7.7	2485	1.1	185.8	30000	A603_185.8 S3 ME3LA4	A603_185.8 S3 MX3LA4	330	A603_185.8 P100 BE100LA4	A603_185.8 P100 BX100LA4	331	
7.8	2406	2.1	183.9	50000	A704_183.9 S3 ME3LA4	A704_183.9 S3 MX3LA4	334	A704_183.9 P100 BE100LA4	A704_183.9 P100 BX100LA4	335	
8.3	2294	1.2	171.5	30000	A603_171.5 S3 ME3LA4	A603_171.5 S3 MX3LA4	330	A603_171.5 P100 BE100LA4	A603_171.5 P100 BX100LA4	331	
8.3	2241	3.6	171.3	65000	A804_171.3 S3 ME3LA4	A804_171.3 S3 MX3LA4	337	A804_171.3 P100 BE100LA4	A804_171.3 P100 BX100LA4	338	
8.4	2221	2.3	169.8	50000	A704_169.8 S3 ME3LA4	A704_169.8 S3 MX3LA4	334	A704_169.8 P100 BE100LA4	A704_169.8 P100 BX100LA4	335	
8.9	2146	0.9	160.4	30000	A553_160.4 S3 ME3LA4	A553_160.4 S3 MX3LA4	326	A553_160.4 P100 BE100LA4	A553_160.4 P100 BX100LA4	327	
9.2	2087	1.3	156.0	30000	A603_156.0 S3 ME3LA4	A603_156.0 S3 MX3LA4	330	A603_156.0 P100 BE100LA4	A603_156.0 P100 BX100LA4	331	
9.3	2056	2.0	153.7	50000	A703_153.7 S3 ME3LA4	A703_153.7 S3 MX3LA4	334	A703_153.7 P100 BE100LA4	A703_153.7 P100 BX100LA4	335	
9.7	1964	1.0	146.8	30000	A553_146.8 S3 ME3LA4	A553_146.8 S3 MX3LA4	326	A553_146.8 P100 BE100LA4	A553_146.8 P100 BX100LA4	327	
9.9	1927	1.5	144.0	30000	A603_144.0 S3 ME3LA4	A603_144.0 S3 MX3LA4	330	A603_144.0 P100 BE100LA4	A603_144.0 P100 BX100LA4	331	
10.1	1898	2.6	141.9	50000	A703_141.9 S3 ME3LA4	A703_141.9 S3 MX3LA4	334	A703_141.9 P100 BE100LA4	A703_141.9 P100 BX100LA4	335	
10.7	1783	1.6	133.3	30000	A603_133.3 S3 ME3LA4	A603_133.3 S3 MX3LA4	330	A603_133.3 P100 BE100LA4	A603_133.3 P100 BX100LA4	331	
10.8	1776	1.1	132.7	30000	A553_132.7 S3 ME3LA4	A553_132.7 S3 MX3LA4	326	A553_132.7 P100 BE100LA4	A553_132.7 P100 BX100LA4	327	
10.9	1748	2.9	130.7	50000	A703_130.7 S3 ME3LA4	A703_130.7 S3 MX3LA4	334	A703_130.7 P100 BE100LA4	A703_130.7 P100 BX100LA4	335	
11.5	1657	1.2	123.9	30000	A553_123.9 S3 ME3LA4	A553_123.9 S3 MX3LA4	326	A553_123.9 P100 BE100LA4	A553_123.9 P100 BX100LA4	327	
11.6	1646	1.7	123.0	30000	A603_123.0 S3 ME3LA4	A603_123.0 S3 MX3LA4	330	A603_123.0 P100 BE100LA4	A603_123.0 P100 BX100LA4	331	
11.9	1613	3.1	120.6	50000	A703_120.6 S3 ME3LA4	A703_120.6 S3 MX3LA4	334	A703_120.6 P100 BE100LA4	A703_120.6 P100 BX100LA4	335	
12.1	1578	1.0	118.0	20000	A503_118.0 S3 ME3LA4	A503_118.0 S3 MX3LA4	322	A503_118.0 P100 BE100LA4	A503_118.0 P100 BX100LA4	323	
13.1	1464	1.0	109.4	20000	A503_109.4 S3 ME3LA4	A503_109.4 S3 MX3LA4	322	A503_109.4 P100 BE100LA4	A503_109.4 P100 BX100LA4	323	
13.3	1442	1.9	107.8	30000	A603_107.8 S3 ME3LA4	A603_107.8 S3 MX3LA4	330	A603_107.8 P100 BE100LA4	A603_107.8 P100 BX100LA4	331	
13.7	1394	3.6	104.2	50000	A703_104.2 S3 ME3LA4	A703_104.2 S3 MX3LA4	334	A703_104.2 P100 BE100LA4	A703_104.2 P100 BX100LA4	335	
14.1	1356	1.5	101.4	30000	A553_101.4 S3 ME3LA4	A553_101.4 S3 MX3LA4	326	A553_101.4 P100 BE100LA4	A553_101.4 P100 BX100LA4	327	
14.4	1331	1.1	99.5	20000	A503_99.5 S3 ME3LA4	A503_99.5 S3 MX3LA4	322	A503_99.5 P100 BE100LA4	A503_99.5 P100 BX100LA4	323	
14.4	1331	2.1	99.5	30000	A603_99.5 S3 ME3LA4	A603_99.5 S3 MX3LA4	330	A603_99.5 P100 BE100LA4	A603_99.5 P100 BX100LA4	331	

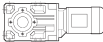






2.2 kW






n2	M2	S	i	Rn2						
min-1	Nm			N	IE2	IE3		IE2	IE3	
16.0	1198	1.3	89.5	19800	A503_89.5 S3 ME3LA4	A503_89.5 S3 MX3LA4	322	A503_89.5 P100 BE100LA4	A503_89.5 P100 BX100LA4	323
16.6	1155	2.4	86.4	30000	A603_86.4 S3 ME3LA4	A603_86.4 S3 MX3LA4	330	A603_86.4 P100 BE100LA4	A603_86.4 P100 BX100LA4	331
17.6	1090	1.4	81.5	19600	A503_81.5 S3 ME3LA4	A503_81.5 S3 MX3LA4	322	A503_81.5 P100 BE100LA4	A503_81.5 P100 BX100LA4	323
17.9	1066	2.6	79.7	30000	A603_79.7 S3 ME3LA4	A603_79.7 S3 MX3LA4	330	A603_79.7 P100 BE100LA4	A603_79.7 P100 BX100LA4	331
18.0	1064	1.9	79.5	30000	A553_79.5 S3 ME3LA4	A553_79.5 S3 MX3LA4	326	A553_79.5 P100 BE100LA4	A553_79.5 P100 BX100LA4	327
20.3	942	3.0	70.4	30000	A603_70.4 S3 ME3LA4	A603_70.4 S3 MX3LA4	330	A603_70.4 P100 BE100LA4	A603_70.4 P100 BX100LA4	331
20.4	940	1.6	70.2	19300	A503_70.2 S3 ME3LA4	A503_70.2 S3 MX3LA4	322	A503_70.2 P100 BE100LA4	A503_70.2 P100 BX100LA4	323
22.0	869	3.2	65.0	30000	A603_65.0 S3 ME3LA4	A603_65.0 S3 MX3LA4	330	A603_65.0 P100 BE100LA4	A603_65.0 P100 BX100LA4	331
22.2	860	2.3	64.3	30000	A553_64.3 S3 ME3LA4	A553_64.3 S3 MX3LA4	326	A553_64.3 P100 BE100LA4	A553_64.3 P100 BX100LA4	327
22.3	887	1.0	64.2	14500	A412_64.2 S3 ME3LA4	A412_64.2 S3 MX3LA4	318	A412_64.2 P100 BE100LA4	A412_64.2 P100 BX100LA4	319
22.4	855	1.8	63.9	19000	A503_63.9 S3 ME3LA4	A503_63.9 S3 MX3LA4	322	A503_63.9 P100 BE100LA4	A503_63.9 P100 BX100LA4	323
24.3	813	1.0	58.8	14400	A412_58.8 S3 ME3LA4	A412_58.8 S3 MX3LA4	318	A412_58.8 P100 BE100LA4	A412_58.8 P100 BX100LA4	319
25.2	760	2.0	56.8	18600	A503_56.8 S3 ME3LA4	A503_56.8 S3 MX3LA4	322	A503_56.8 P100 BE100LA4	A503_56.8 P100 BX100LA4	323
26.9	734	1.2	53.1	14100	A412_53.1 S3 ME3LA4	A412_53.1 S3 MX3LA4	318	A412_53.1 P100 BE100LA4	A412_53.1 P100 BX100LA4	319
27.7	691	2.2	51.7	18300	A503_51.7 S3 ME3LA4	A503_51.7 S3 MX3LA4	322	A503_51.7 P100 BE100LA4	A503_51.7 P100 BX100LA4	323
28.1	682	2.9	51.0	30000	A553_51.0 S3 ME3LA4	A553_51.0 S3 MX3LA4	326	A553_51.0 P100 BE100LA4	A553_51.0 P100 BX100LA4	327
29.1	678	0.9	49.1	9900	A352_49.1 S3 ME3LA4	A352_49.1 S3 MX3LA4	314	A352_49.1 P100 BE100LA4	A352_49.1 P100 BX100LA4	315
29.6	667	1.3	48.3	13900	A412_48.3 S3 ME3LA4	A412_48.3 S3 MX3LA4	318	A412_48.3 P100 BE100LA4	A412_48.3 P100 BX100LA4	319
31	633	0.9	45.8	9840	A352_45.8 S3 ME3LA4	A352_45.8 S3 MX3LA4	314	A352_45.8 P100 BE100LA4	A352_45.8 P100 BX100LA4	315
32	623	1.3	45.1	13700	A412_45.1 S3 ME3LA4	A412_45.1 S3 MX3LA4	318	A412_45.1 P100 BE100LA4	A412_45.1 P100 BX100LA4	319
32	602	2.5	45.0	17900	A503_45.0 S3 ME3LA4	A503_45.0 S3 MX3LA4	322	A503_45.0 P100 BE100LA4	A503_45.0 P100 BX100LA4	323
34	577	1.0	41.8	9750	A352_41.8 S3 ME3LA4	A352_41.8 S3 MX3LA4	314	A352_41.8 P100 BE100LA4	A352_41.8 P100 BX100LA4	315
35	548	2.7	40.9	17500	A503_40.9 S3 ME3LA4	A503_40.9 S3 MX3LA4	322	A503_40.9 P100 BE100LA4	A503_40.9 P100 BX100LA4	323
39	506	1.2	36.6	9600	A352_36.6 S3 ME3LA4	A352_36.6 S3 MX3LA4	314	A352_36.6 P100 BE100LA4	A352_36.6 P100 BX100LA4	315
40	496	1.6	35.9	13100	A412_35.9 S3 ME3LA4	A412_35.9 S3 MX3LA4	318	A412_35.9 P100 BE100LA4	A412_35.9 P100 BX100LA4	319
40	476	3.1	35.6	17000	A503_35.6 S3 ME3LA4	A503_35.6 S3 MX3LA4	322	A503_35.6 P100 BE100LA4	A503_35.6 P100 BX100LA4	323
43	462	0.9	33.4	5050	A302_33.4 S3 ME3LA4	A302_33.4 S3 MX3LA4	310	A302_33.4 P100 BE100LA4	A302_33.4 P100 BX100LA4	311
43	458	1.3	33.2	9460	A352_33.2 S3 ME3LA4	A352_33.2 S3 MX3LA4	314	A352_33.2 P100 BE100LA4	A352_33.2 P100 BX100LA4	315
44	433	3.5	32.4	16600	A503_32.4 S3 ME3LA4	A503_32.4 S3 MX3LA4	322	A503_32.4 P100 BE100LA4	A503_32.4 P100 BX100LA4	323
49	405	1.0	29.3	5380	A302_29.3 S3 ME3LA4	A302_29.3 S3 MX3LA4	310	A302_29.3 P100 BE100LA4	A302_29.3 P100 BX100LA4	311
50	393	1.5	28.4	9230	A352_28.4 S3 ME3LA4	A352_28.4 S3 MX3LA4	314	A352_28.4 P100 BE100LA4	A352_28.4 P100 BX100LA4	315
50	391	1.9	28.3	12400	A412_28.3 S3 ME3LA4	A412_28.3 S3 MX3LA4	318	A412_28.3 P100 BE100LA4	A412_28.3 P100 BX100LA4	319
54	367	1.1	26.5	5350	A302_26.5 S3 ME3LA4	A302_26.5 S3 MX3LA4	310	A302_26.5 P100 BE100LA4	A302_26.5 P100 BX100LA4	311
56	355	1.7	25.7	9070	A352_25.7 S3 ME3LA4	A352_25.7 S3 MX3LA4	314	A352_25.7 P100 BE100LA4	A352_25.7 P100 BX100LA4	315
63	314	1.3	22.8	5290	A302_22.8 S3 ME3LA4	A302_22.8 S3 MX3LA4	310	A302_22.8 P100 BE100LA4	A302_22.8 P100 BX100LA4	311
63	313	2.2	22.7	11700	A412_22.7 S3 ME3LA4	A412_22.7 S3 MX3LA4	318	A412_22.7 P100 BE100LA4	A412_22.7 P100 BX100LA4	319
64	311	1.9	22.5	8840	A352_22.5 S3 ME3LA4	A352_22.5 S3 MX3LA4	314	A352_22.5 P100 BE100LA4	A352_22.5 P100 BX100LA4	315
70	284	1.4	20.5	5230	A302_20.5 S3 ME3LA4	A302_20.5 S3 MX3LA4	310	A302_20.5 P100 BE100LA4	A302_20.5 P100 BX100LA4	311
70	282	2.1	20.4	8660	A352_20.4 S3 ME3LA4	A352_20.4 S3 MX3LA4	314	A352_20.4 P100 BE100LA4	A352_20.4 P100 BX100LA4	315
79	250	1.0	18.1	3140	A202_18.1 S3 ME3LA4	A202_18.1 S3 MX3LA4	306	A202_18.1 P100 BE100LA4	A202_18.1 P100 BX100LA4	307
80	249	1.6	18.0	5140	A302_18.0 S3 ME3LA4	A302_18.0 S3 MX3LA4	310	A302_18.0 P100 BE100LA4	A302_18.0 P100 BX100LA4	311
81	245	2.6	17.8	11000	A412_17.8 S3 ME3LA4	A412_17.8 S3 MX3LA4	318	A412_17.8 P100 BE100LA4	A412_17.8 P100 BX100LA4	319
84	234	2.6	17.0	8320	A352_17.0 S3 ME3LA4	A352_17.0 S3 MX3LA4	314	A352_17.0 P100 BE100LA4	A352_17.0 P100 BX100LA4	315
88	226	1.7	16.3	5060	A302_16.3 S3 ME3LA4	A302_16.3 S3 MX3LA4	310	A302_16.3 P100 BE100LA4	A302_16.3 P100 BX100LA4	311
88	223	1.1	16.2	3140	A202_16.2 S3 ME3LA4	A202_16.2 S3 MX3LA4	306	A202_16.2 P100 BE100LA4	A202_16.2 P100 BX100LA4	307
89	222	2.7	16.1	10800	A412_16.1 S3 ME3LA4	A412_16.1 S3 MX3LA4	318	A412_16.1 P100 BE100LA4	A412_16.1 P100 BX100LA4	319
92	214	2.8	15.5	8150	A352_15.5 S3 ME3LA4	A352_15.5 S3 MX3LA4	314	A352_15.5 P100 BE100LA4	A352_15.5 P100 BX100LA4	315
102	194	1.3	14.1	3120	A202_14.1 S3 ME3LA4	A202_14.1 S3 MX3LA4	306	A202_14.1 P100 BE100LA4	A202_14.1 P100 BX100LA4	307
104	190	3.1	13.8	10300	A412_13.8 S3 ME3LA4	A412_13.8 S3 MX3LA4	318	A412_13.8 P100 BE100LA4	A412_13.8 P100 BX100LA4	319
105	187	2.0	13.6	4900	A302_13.6 S3 ME3LA4	A302_13.6 S3 MX3LA4	310	A302_13.6 P100 BE100LA4	A302_13.6 P100 BX100LA4	311
109	181	3.3	13.1	7820	A352_13.1 S3 ME3LA4	A352_13.1 S3 MX3LA4	314	A352_13.1 P100 BE100LA4	A352_13.1 P100 BX100LA4	315
120	165	1.3	12.0	3070	A202_12.0 S3 ME3LA4	A202_12.0 S3 MX3LA4	306	A202_12.0 P100 BE100LA4	A202_12.0 P100 BX100LA4	307
121	163	1.8	11.8	4750	A302_11.8 S3 ME3LA4	A302_11.8 S3 MX3LA4	310	A302_11.8 P100 BE100LA4	A302_11.8 P100 BX100LA4	311
121	163	2.5	11.8	7710	A352_11.8 S3 ME3LA4	A352_11.8 S3 MX3LA4	314	A352_11.8 P100 BE100LA4	A352_11.8 P100 BX100LA4	315
122	162	3.4	11.7	9870	A412_11.7 S3 ME3LA4	A412_11.7 S3 MX3LA4	318	A412_11.7 P100 BE100LA4	A412_11.7 P100 BX100LA4	319
124	159	2.0	23.1	3070	A202_23.1 S3 ME3LA2		306	A202_23.1 P90 BE90L2		307
134	147	2.7	10.6	7510	A352_10.6 S3 ME3LA4	A352_10.6 S3 MX3LA4	314	A352_10.6 P100 BE100LA4	A352_10.6 P100 BX100LA4	315



2.2 kW

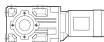



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				 IEC 		
					IE2	IE3		IE2	IE3	
135	146	1.0	10.6	2600	A102_10.6 S3 ME3LA4	A102_10.6 S3 MX3LA4	302	A102_10.6 P100 BE100LA4	A102_10.6 P100 BX100LA4	303
137	144	2.4	10.5	4660	A302_10.5 S3 ME3LA4	A302_10.5 S3 MX3LA4	310	A302_10.5 P100 BE100LA4	A302_10.5 P100 BX100LA4	311
138	143	1.6	10.3	3030	A202_10.3 S3 ME3LA4	A202_10.3 S3 MX3LA4	306	A202_10.3 P100 BE100LA4	A202_10.3 P100 BX100LA4	307
149	133	1.1	9.6	2580	A102_9.6 S3 ME3LA4	A102_9.6 S3 MX3LA4	302	A102_9.6 P100 BE100LA4	A102_9.6 P100 BX100LA4	303
153	130	1.6	9.4	2980	A202_9.4 S3 ME3LA4	A202_9.4 S3 MX3LA4	306	A202_9.4 P100 BE100LA4	A202_9.4 P100 BX100LA4	307
154	129	2.3	9.3	4530	A302_9.3 S3 ME3LA4	A302_9.3 S3 MX3LA4	310	A302_9.3 P100 BE100LA4	A302_9.3 P100 BX100LA4	311
154	129	3.1	9.3	7240	A352_9.3 S3 ME3LA4	A352_9.3 S3 MX3LA4	314	A352_9.3 P100 BE100LA4	A352_9.3 P100 BX100LA4	315
168	118	1.2	8.5	3050	A102_8.5 S3 ME3LA4	A102_8.5 S3 MX3LA4	302	A102_8.5 P100 BE100LA4	A102_8.5 P100 BX100LA4	303
169	117	2.6	8.5	4430	A302_8.5 S3 ME3LA4	A302_8.5 S3 MX3LA4	310	A302_8.5 P100 BE100LA4	A302_8.5 P100 BX100LA4	311
169	117	3.3	8.5	7060	A352_8.5 S3 ME3LA4	A352_8.5 S3 MX3LA4	314	A352_8.5 P100 BE100LA4	A352_8.5 P100 BX100LA4	315
171	116	1.8	8.4	2930	A202_8.4 S3 ME3LA4	A202_8.4 S3 MX3LA4	306	A202_8.4 P100 BE100LA4	A202_8.4 P100 BX100LA4	307
196	101	2.1	7.3	2860	A202_7.3 S3 ME3LA4	A202_7.3 S3 MX3LA4	306	A202_7.3 P100 BE100LA4	A202_7.3 P100 BX100LA4	307
198	100	1.4	7.2	2520	A102_7.2 S3 ME3LA4	A102_7.2 S3 MX3LA4	302	A102_7.2 P100 BE100LA4	A102_7.2 P100 BX100LA4	303
204	97	3.1	7.0	4240	A302_7.0 S3 ME3LA4	A302_7.0 S3 MX3LA4	310	A302_7.0 P100 BE100LA4	A302_7.0 P100 BX100LA4	311
219	90	2.3	6.5	2810	A202_6.5 S3 ME3LA4	A202_6.5 S3 MX3LA4	306	A202_6.5 P100 BE100LA4	A202_6.5 P100 BX100LA4	307
223	89	3.4	6.4	4150	A302_6.4 S3 ME3LA4	A302_6.4 S3 MX3LA4	310	A302_6.4 P100 BE100LA4	A302_6.4 P100 BX100LA4	311
226	88	1.6	6.3	2950	A102_6.3 S3 ME3LA4	A102_6.3 S3 MX3LA4	302	A102_6.3 P100 BE100LA4	A102_6.3 P100 BX100LA4	303
262	76	1.9	5.5	2430	A102_5.5 S3 ME3LA4	A102_5.5 S3 MX3LA4	302	A102_5.5 P100 BE100LA4	A102_5.5 P100 BX100LA4	303
267	74	2.8	5.4	2700	A202_5.4 S3 ME3LA4	A202_5.4 S3 MX3LA4	306	A202_5.4 P100 BE100LA4	A202_5.4 P100 BX100LA4	307
306	65	3.2	9.4	2620	A202_9.4 S3 ME3LA2		306	A202_9.4 P90 BE90L2		307

3 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				 IEC 		
					IE2	IE3		IE2	IE3	
1.7	15399	0.9	865.1	75000	A904_865.1 S3 ME3LB4	A904_865.1 S3 MX3LB4	340	A904_865.1 P100 BE100LB4	A904_865.1 P100 BX100LB4	341
1.9	13651	1.0	766.9	75000	A904_766.9 S3 ME3LB4	A904_766.9 S3 MX3LB4	340	A904_766.9 P100 BE100LB4	A904_766.9 P100 BX100LB4	341
2.0	12601	1.1	707.9	75000	A904_707.9 S3 ME3LB4	A904_707.9 S3 MX3LB4	340	A904_707.9 P100 BE100LB4	A904_707.9 P100 BX100LB4	341
2.4	10708	1.3	601.6	75000	A904_601.6 S3 ME3LB4	A904_601.6 S3 MX3LB4	340	A904_601.6 P100 BE100LB4	A904_601.6 P100 BX100LB4	341
2.6	9884	1.4	555.3	75000	A904_555.3 S3 ME3LB4	A904_555.3 S3 MX3LB4	340	A904_555.3 P100 BE100LB4	A904_555.3 P100 BX100LB4	341
3.0	8661	1.6	486.6	75000	A904_486.6 S3 ME3LB4	A904_486.6 S3 MX3LB4	340	A904_486.6 P100 BE100LB4	A904_486.6 P100 BX100LB4	341
3.0	8525	0.9	478.9	65000	A804_478.9 S3 ME3LB4	A804_478.9 S3 MX3LB4	337	A804_478.9 P100 BE100LB4	A804_478.9 P100 BX100LB4	338
3.2	7995	1.8	449.2	75000	A904_449.2 S3 ME3LB4	A904_449.2 S3 MX3LB4	340	A904_449.2 P100 BE100LB4	A904_449.2 P100 BX100LB4	341
3.3	7869	1.0	442.1	65000	A804_442.1 S3 ME3LB4	A804_442.1 S3 MX3LB4	337	A804_442.1 P100 BE100LB4	A804_442.1 P100 BX100LB4	338
3.7	6861	2.0	385.4	75000	A904_385.4 S3 ME3LB4	A904_385.4 S3 MX3LB4	340	A904_385.4 P100 BE100LB4	A904_385.4 P100 BX100LB4	341
3.8	6826	1.2	383.5	65000	A804_383.5 S3 ME3LB4	A804_383.5 S3 MX3LB4	337	A804_383.5 P100 BE100LB4	A804_383.5 P100 BX100LB4	338
4.0	6333	2.2	355.8	75000	A904_355.8 S3 ME3LB4	A904_355.8 S3 MX3LB4	340	A904_355.8 P100 BE100LB4	A904_355.8 P100 BX100LB4	341
4.1	6301	1.3	354.0	65000	A804_354.0 S3 ME3LB4	A804_354.0 S3 MX3LB4	337	A804_354.0 P100 BE100LB4	A804_354.0 P100 BX100LB4	338
4.6	5631	0.9	316.4	50000	A704_316.4 S3 ME3LB4	A704_316.4 S3 MX3LB4	334	A704_316.4 P100 BE100LB4	A704_316.4 P100 BX100LB4	335
4.7	5427	2.6	304.9	75000	A904_304.9 S3 ME3LB4	A904_304.9 S3 MX3LB4	340	A904_304.9 P100 BE100LB4	A904_304.9 P100 BX100LB4	341
4.8	5347	1.5	300.4	65000	A804_300.4 S3 ME3LB4	A804_300.4 S3 MX3LB4	337	A804_300.4 P100 BE100LB4	A804_300.4 P100 BX100LB4	338
4.9	5198	1.0	292.0	50000	A704_292.0 S3 ME3LB4	A704_292.0 S3 MX3LB4	334	A704_292.0 P100 BE100LB4	A704_292.0 P100 BX100LB4	335
5.1	5010	2.8	281.4	75000	A904_281.4 S3 ME3LB4	A904_281.4 S3 MX3LB4	340	A904_281.4 P100 BE100LB4	A904_281.4 P100 BX100LB4	341
5.2	4936	1.6	277.3	65000	A804_277.3 S3 ME3LB4	A804_277.3 S3 MX3LB4	337	A804_277.3 P100 BE100LB4	A804_277.3 P100 BX100LB4	338
6.0	4247	1.2	238.6	50000	A704_238.6 S3 ME3LB4	A704_238.6 S3 MX3LB4	334	A704_238.6 P100 BE100LB4	A704_238.6 P100 BX100LB4	335
6.2	4141	1.9	232.6	65000	A804_232.6 S3 ME3LB4	A804_232.6 S3 MX3LB4	337	A804_232.6 P100 BE100LB4	A804_232.6 P100 BX100LB4	338
6.4	4030	3.5	226.4	75000	A904_226.4 S3 ME3LB4	A904_226.4 S3 MX3LB4	340	A904_226.4 P100 BE100LB4	A904_226.4 P100 BX100LB4	341
6.5	3921	1.3	220.3	50000	A704_220.3 S3 ME3LB4	A704_220.3 S3 MX3LB4	334	A704_220.3 P100 BE100LB4	A704_220.3 P100 BX100LB4	335
6.7	3822	2.1	214.7	65000	A804_214.7 S3 ME3LB4	A804_214.7 S3 MX3LB4	337	A804_214.7 P100 BE100LB4	A804_214.7 P100 BX100LB4	338
7.8	3273	1.5	183.9	50000	A704_183.9 S3 ME3LB4	A704_183.9 S3 MX3LB4	334	A704_183.9 P100 BE100LB4	A704_183.9 P100 BX100LB4	335
8.4	3121	0.9	171.5	30000	A603_171.5 S3 ME3LB4	A603_171.5 S3 MX3LB4	330	A603_171.5 P100 BE100LB4	A603_171.5 P100 BX100LB4	331
8.4	3049	2.6	171.3	65000	A804_171.3 S3 ME3LB4	A804_171.3 S3 MX3LB4	337	A804_171.3 P100 BE100LB4	A804_171.3 P100 BX100LB4	338
8.5	3022	1.7	169.8	50000	A704_169.8 S3 ME3LB4	A704_169.8 S3 MX3LB4	334	A704_169.8 P100 BE100LB4	A704_169.8 P100 BX100LB4	335







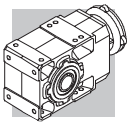
3 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE2	IE3	IE2	IE3		
9.2	2854	2.8	156.8	65000	A803_156.8 S3 ME3LB4	A803_156.8 S3 MX3LB4	337	A803_156.8 P100 BE100LB4	A803_156.8 P100 BX100LB4	338
9.2	2840	1.0	156.0	30000	A603_156.0 S3 ME3LB4	A603_156.0 S3 MX3LB4	330	A603_156.0 P100 BE100LB4	A603_156.0 P100 BX100LB4	331
9.4	2797	1.4	153.7	50000	A703_153.7 S3 ME3LB4	A703_153.7 S3 MX3LB4	334	A703_153.7 P100 BE100LB4	A703_153.7 P100 BX100LB4	335
9.9	2634	3.0	144.7	65000	A803_144.7 S3 ME3LB4	A803_144.7 S3 MX3LB4	337	A803_144.7 P100 BE100LB4	A803_144.7 P100 BX100LB4	338
10.0	2622	1.1	144.0	30000	A603_144.0 S3 ME3LB4	A603_144.0 S3 MX3LB4	330	A603_144.0 P100 BE100LB4	A603_144.0 P100 BX100LB4	331
10.2	2582	1.9	141.9	50000	A703_141.9 S3 ME3LB4	A703_141.9 S3 MX3LB4	334	A703_141.9 P100 BE100LB4	A703_141.9 P100 BX100LB4	335
10.8	2426	1.2	133.3	30000	A603_133.3 S3 ME3LB4	A603_133.3 S3 MX3LB4	330	A603_133.3 P100 BE100LB4	A603_133.3 P100 BX100LB4	331
11.0	2378	2.1	130.7	50000	A703_130.7 S3 ME3LB4	A703_130.7 S3 MX3LB4	334	A703_130.7 P100 BE100LB4	A703_130.7 P100 BX100LB4	335
11.5	2286	3.5	125.6	65000	A803_125.6 S3 ME3LB4	A803_125.6 S3 MX3LB4	337	A803_125.6 P100 BE100LB4	A803_125.6 P100 BX100LB4	338
11.6	2255	0.9	123.9	30000	A553_123.9 S3 ME3LB4	A553_123.9 S3 MX3LB4	326	A553_123.9 P100 BE100LB4	A553_123.9 P100 BX100LB4	327
11.7	2239	1.3	123.0	30000	A603_123.0 S3 ME3LB4	A603_123.0 S3 MX3LB4	330	A603_123.0 P100 BE100LB4	A603_123.0 P100 BX100LB4	331
11.9	2195	2.3	120.6	50000	A703_120.6 S3 ME3LB4	A703_120.6 S3 MX3LB4	334	A703_120.6 P100 BE100LB4	A703_120.6 P100 BX100LB4	335
13.4	1962	1.4	107.8	30000	A603_107.8 S3 ME3LB4	A603_107.8 S3 MX3LB4	330	A603_107.8 P100 BE100LB4	A603_107.8 P100 BX100LB4	331
13.8	1897	2.6	104.2	50000	A703_104.2 S3 ME3LB4	A703_104.2 S3 MX3LB4	334	A703_104.2 P100 BE100LB4	A703_104.2 P100 BX100LB4	335
14.2	1845	1.1	101.4	30000	A553_101.4 S3 ME3LB4	A553_101.4 S3 MX3LB4	326	A553_101.4 P100 BE100LB4	A553_101.4 P100 BX100LB4	327
14.5	1811	1.5	99.5	30000	A603_99.5 S3 ME3LB4	A603_99.5 S3 MX3LB4	330	A603_99.5 P100 BE100LB4	A603_99.5 P100 BX100LB4	331
15.0	1751	2.9	96.2	50000	A703_96.2 S3 ME3LB4	A703_96.2 S3 MX3LB4	334	A703_96.2 P100 BE100LB4	A703_96.2 P100 BX100LB4	335
16.1	1630	0.9	89.5	17100	A503_89.5 S3 ME3LB4	A503_89.5 S3 MX3LB4	322	A503_89.5 P100 BE100LB4	A503_89.5 P100 BX100LB4	323
16.7	1572	1.8	86.4	30000	A603_86.4 S3 ME3LB4	A603_86.4 S3 MX3LB4	330	A603_86.4 P100 BE100LB4	A603_86.4 P100 BX100LB4	331
16.8	1564	3.2	85.9	50000	A703_85.9 S3 ME3LB4	A703_85.9 S3 MX3LB4	334	A703_85.9 P100 BE100LB4	A703_85.9 P100 BX100LB4	335
17.7	1482	1.0	81.5	17200	A503_81.5 S3 ME3LB4	A503_81.5 S3 MX3LB4	322	A503_81.5 P100 BE100LB4	A503_81.5 P100 BX100LB4	323
18.1	1451	1.9	79.7	30000	A603_79.7 S3 ME3LB4	A603_79.7 S3 MX3LB4	330	A603_79.7 P100 BE100LB4	A603_79.7 P100 BX100LB4	331
18.1	1447	1.4	79.5	30000	A553_79.5 S3 ME3LB4	A553_79.5 S3 MX3LB4	326	A553_79.5 P100 BE100LB4	A553_79.5 P100 BX100LB4	327
18.2	1444	3.5	79.3	50000	A703_79.3 S3 ME3LB4	A703_79.3 S3 MX3LB4	334	A703_79.3 P100 BE100LB4	A703_79.3 P100 BX100LB4	335
20.5	1281	2.2	70.4	30000	A603_70.4 S3 ME3LB4	A603_70.4 S3 MX3LB4	330	A603_70.4 P100 BE100LB4	A603_70.4 P100 BX100LB4	331
20.5	1278	1.2	70.2	17200	A503_70.2 S3 ME3LB4	A503_70.2 S3 MX3LB4	322	A503_70.2 P100 BE100LB4	A503_70.2 P100 BX100LB4	323
22.2	1183	2.4	65.0	30000	A603_65.0 S3 ME3LB4	A603_65.0 S3 MX3LB4	330	A603_65.0 P100 BE100LB4	A603_65.0 P100 BX100LB4	331
22.4	1171	1.7	64.3	30000	A553_64.3 S3 ME3LB4	A553_64.3 S3 MX3LB4	326	A553_64.3 P100 BE100LB4	A553_64.3 P100 BX100LB4	327
22.5	1163	1.3	63.9	17100	A503_63.9 S3 ME3LB4	A503_63.9 S3 MX3LB4	322	A503_63.9 P100 BE100LB4	A503_63.9 P100 BX100LB4	323
25.3	1034	1.5	56.8	17000	A503_56.8 S3 ME3LB4	A503_56.8 S3 MX3LB4	322	A503_56.8 P100 BE100LB4	A503_56.8 P100 BX100LB4	323
25.9	1012	2.8	55.6	30000	A603_55.6 S3 ME3LB4	A603_55.6 S3 MX3LB4	330	A603_55.6 P100 BE100LB4	A603_55.6 P100 BX100LB4	331
27.9	941	1.6	51.7	16800	A503_51.7 S3 ME3LB4	A503_51.7 S3 MX3LB4	322	A503_51.7 P100 BE100LB4	A503_51.7 P100 BX100LB4	323
28.1	934	3.0	51.3	30000	A603_51.3 S3 ME3LB4	A603_51.3 S3 MX3LB4	330	A603_51.3 P100 BE100LB4	A603_51.3 P100 BX100LB4	331
28.3	927	2.2	51.0	30000	A553_51.0 S3 ME3LB4	A553_51.0 S3 MX3LB4	326	A553_51.0 P100 BE100LB4	A553_51.0 P100 BX100LB4	327
29.8	908	0.9	48.3	12700	A412_48.3 S3 ME3LB4	A412_48.3 S3 MX3LB4	318	A412_48.3 P100 BE100LB4	A412_48.3 P100 BX100LB4	319
32	822	3.4	45.2	30000	A603_45.2 S3 ME3LB4	A603_45.2 S3 MX3LB4	330	A603_45.2 P100 BE100LB4	A603_45.2 P100 BX100LB4	331
32	847	1.0	45.1	12600	A412_45.1 S3 ME3LB4	A412_45.1 S3 MX3LB4	318	A412_45.1 P100 BE100LB4	A412_45.1 P100 BX100LB4	319
32	819	1.8	45.0	16500	A503_45.0 S3 ME3LB4	A503_45.0 S3 MX3LB4	322	A503_45.0 P100 BE100LB4	A503_45.0 P100 BX100LB4	323
35	745	2.0	40.9	16300	A503_40.9 S3 ME3LB4	A503_40.9 S3 MX3LB4	322	A503_40.9 P100 BE100LB4	A503_40.9 P100 BX100LB4	323
36	734	2.7	40.3	30000	A553_40.3 S3 ME3LB4	A553_40.3 S3 MX3LB4	326	A553_40.3 P100 BE100LB4	A553_40.3 P100 BX100LB4	327
39	689	0.9	36.6	8550	A352_36.6 S3 ME3LB4	A352_36.6 S3 MX3LB4	314	A352_36.6 P100 BE100LB4	A352_36.6 P100 BX100LB4	315
40	675	1.2	35.9	12200	A412_35.9 S3 ME3LB4	A412_35.9 S3 MX3LB4	318	A412_35.9 P100 BE100LB4	A412_35.9 P100 BX100LB4	319
40	648	2.3	35.6	16000	A503_35.6 S3 ME3LB4	A503_35.6 S3 MX3LB4	322	A503_35.6 P100 BE100LB4	A503_35.6 P100 BX100LB4	323
43	623	1.0	33.2	8520	A352_33.2 S3 ME3LB4	A352_33.2 S3 MX3LB4	314	A352_33.2 P100 BE100LB4	A352_33.2 P100 BX100LB4	315
44	589	2.5	32.4	15700	A503_32.4 S3 ME3LB4	A503_32.4 S3 MX3LB4	322	A503_32.4 P100 BE100LB4	A503_32.4 P100 BX100LB4	323
51	535	1.1	28.4	8420	A352_28.4 S3 ME3LB4	A352_28.4 S3 MX3LB4	314	A352_28.4 P100 BE100LB4	A352_28.4 P100 BX100LB4	315
51	532	1.4	28.3	11700	A412_28.3 S3 ME3LB4	A412_28.3 S3 MX3LB4	318	A412_28.3 P100 BE100LB4	A412_28.3 P100 BX100LB4	319
54	481	3.1	26.4	15100	A503_26.4 S3 ME3LB4	A503_26.4 S3 MX3LB4	322	A503_26.4 P100 BE100LB4	A503_26.4 P100 BX100LB4	323
56	483	1.2	25.7	8330	A352_25.7 S3 ME3LB4	A352_25.7 S3 MX3LB4	314	A352_25.7 P100 BE100LB4	A352_25.7 P100 BX100LB4	315
60	438	3.4	24.0	14800	A503_24.0 S3 ME3LB4	A503_24.0 S3 MX3LB4	322	A503_24.0 P100 BE100LB4	A503_24.0 P100 BX100LB4	323
63	428	1.0	22.8	4610	A302_22.8 S3 ME3LB4	A302_22.8 S3 MX3LB4	310	A302_22.8 P100 BE100LB4	A302_22.8 P100 BX100LB4	311
64	426	1.6	22.7	11200	A412_22.7 S3 ME3LB4	A412_22.7 S3 MX3LB4	318	A412_22.7 P100 BE100LB4	A412_22.7 P100 BX100LB4	319
64	423	1.4	22.5	8190	A352_22.5 S3 ME3LB4	A352_22.5 S3 MX3LB4	314	A352_22.5 P100 BE100LB4	A352_22.5 P100 BX100LB4	315
69	393	3.1	20.9	15500	A502_20.9 S3 ME3LB4	A502_20.9 S3 MX3LB4	322	A502_20.9 P100 BE100LB4	A502_20.9 P100 BX100LB4	323
70	386	1.1	20.5	4620	A302_20.5 S3 ME3LB4	A302_20.5 S3 MX3LB4	310	A302_20.5 P100 BE100LB4	A302_20.5 P100 BX100LB4	311

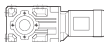





3 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE2	IE3	IE2	IE3		
70	384	1.6	20.4	8080	A352_20.4 S3 ME3LB4	A352_20.4 S3 MX3LB4	314	A352_20.4 P100 BE100LB4	A352_20.4 P100 BX100LB4	315
80	338	1.2	18.0	4600	A302_18.0 S3 ME3LB4	A302_18.0 S3 MX3LB4	310	A302_18.0 P100 BE100LB4	A302_18.0 P100 BX100LB4	311
81	334	1.9	17.8	10600	A412_17.8 S3 ME3LB4	A412_17.8 S3 MX3LB4	318	A412_17.8 P100 BE100LB4	A412_17.8 P100 BX100LB4	319
85	319	1.9	17.0	7830	A352_17.0 S3 ME3LB4	A352_17.0 S3 MX3LB4	314	A352_17.0 P100 BE100LB4	A352_17.0 P100 BX100LB4	315
88	307	1.3	16.3	4580	A302_16.3 S3 ME3LB4	A302_16.3 S3 MX3LB4	310	A302_16.3 P100 BE100LB4	A302_16.3 P100 BX100LB4	311
89	303	2.0	16.1	10400	A412_16.1 S3 ME3LB4	A412_16.1 S3 MX3LB4	318	A412_16.1 P100 BE100LB4	A412_16.1 P100 BX100LB4	319
93	291	2.1	15.5	7700	A352_15.5 S3 ME3LB4	A352_15.5 S3 MX3LB4	314	A352_15.5 P100 BE100LB4	A352_15.5 P100 BX100LB4	315
102	265	0.9	14.1	2650	A202_14.1 S3 ME3LB4	A202_14.1 S3 MX3LB4	306	A202_14.1 P100 BE100LB4	A202_14.1 P100 BX100LB4	307
105	259	2.3	13.8	9990	A412_13.8 S3 ME3LB4	A412_13.8 S3 MX3LB4	318	A412_13.8 P100 BE100LB4	A412_13.8 P100 BX100LB4	319
106	255	1.5	13.6	4500	A302_13.6 S3 ME3LB4	A302_13.6 S3 MX3LB4	310	A302_13.6 P100 BE100LB4	A302_13.6 P100 BX100LB4	311
110	246	2.4	13.1	7450	A352_13.1 S3 ME3LB4	A352_13.1 S3 MX3LB4	314	A352_13.1 P100 BE100LB4	A352_13.1 P100 BX100LB4	315
120	225	0.9	12.0	2670	A202_12.0 S3 ME3LB4	A202_12.0 S3 MX3LB4	306	A202_12.0 P100 BE100LB4	A202_12.0 P100 BX100LB4	307
122	221	1.4	11.8	4400	A302_11.8 S3 ME3LB4	A302_11.8 S3 MX3LB4	310	A302_11.8 P100 BE100LB4	A302_11.8 P100 BX100LB4	311
122	221	1.8	11.8	7410	A352_11.8 S3 ME3LB4	A352_11.8 S3 MX3LB4	314	A352_11.8 P100 BE100LB4	A352_11.8 P100 BX100LB4	315
123	221	2.5	11.7	9580	A412_11.7 S3 ME3LB4	A412_11.7 S3 MX3LB4	318	A412_11.7 P100 BE100LB4	A412_11.7 P100 BX100LB4	319
125	216	1.5	23.1	2690	A202_23.1 S3 ME3LB2		306	A202_23.1 P100 BE100L2		307
135	200	2.0	10.6	7230	A352_10.6 S3 ME3LB4	A352_10.6 S3 MX3LB4	314	A352_10.6 P100 BE100LB4	A352_10.6 P100 BX100LB4	315
138	197	1.7	10.5	4350	A302_10.5 S3 ME3LB4	A302_10.5 S3 MX3LB4	310	A302_10.5 P100 BE100LB4	A302_10.5 P100 BX100LB4	311
139	194	1.2	10.3	2690	A202_10.3 S3 ME3LB4	A202_10.3 S3 MX3LB4	306	A202_10.3 P100 BE100LB4	A202_10.3 P100 BX100LB4	307
142	190	2.8	10.1	9230	A412_10.1 S3 ME3LB4	A412_10.1 S3 MX3LB4	318	A412_10.1 P100 BE100LB4	A412_10.1 P100 BX100LB4	319
154	176	1.2	9.4	2670	A202_9.4 S3 ME3LB4	A202_9.4 S3 MX3LB4	306	A202_9.4 P100 BE100LB4	A202_9.4 P100 BX100LB4	307
155	175	1.7	9.3	4240	A302_9.3 S3 ME3LB4	A302_9.3 S3 MX3LB4	310	A302_9.3 P100 BE100LB4	A302_9.3 P100 BX100LB4	311
155	175	2.3	9.3	7000	A352_9.3 S3 ME3LB4	A352_9.3 S3 MX3LB4	314	A352_9.3 P100 BE100LB4	A352_9.3 P100 BX100LB4	315
157	173	3.2	9.2	8980	A412_9.2 S3 ME3LB4	A412_9.2 S3 MX3LB4	318	A412_9.2 P100 BE100LB4	A412_9.2 P100 BX100LB4	319
170	159	1.9	8.5	4170	A302_8.5 S3 ME3LB4	A302_8.5 S3 MX3LB4	310	A302_8.5 P100 BE100LB4	A302_8.5 P100 BX100LB4	311
170	159	2.4	8.5	6840	A352_8.5 S3 ME3LB4	A352_8.5 S3 MX3LB4	314	A352_8.5 P100 BE100LB4	A352_8.5 P100 BX100LB4	315
172	157	1.3	8.4	2650	A202_8.4 S3 ME3LB4	A202_8.4 S3 MX3LB4	306	A202_8.4 P100 BE100LB4	A202_8.4 P100 BX100LB4	307
173	157	3.5	8.3	8740	A412_8.3 S3 ME3LB4	A412_8.3 S3 MX3LB4	318	A412_8.3 P100 BE100LB4	A412_8.3 P100 BX100LB4	319
198	137	1.5	7.3	2620	A202_7.3 S3 ME3LB4	A202_7.3 S3 MX3LB4	306	A202_7.3 P100 BE100LB4	A202_7.3 P100 BX100LB4	307
200	136	1.0	7.2	2220	A102_7.2 S3 ME3LB4	A102_7.2 S3 MX3LB4	302	A102_7.2 P100 BE100LB4	A102_7.2 P100 BX100LB4	303
205	132	2.3	7.0	4030	A302_7.0 S3 ME3LB4	A302_7.0 S3 MX3LB4	310	A302_7.0 P100 BE100LB4	A302_7.0 P100 BX100LB4	311
205	132	2.8	7.0	6520	A352_7.0 S3 ME3LB4	A352_7.0 S3 MX3LB4	314	A352_7.0 P100 BE100LB4	A352_7.0 P100 BX100LB4	315
220	123	1.7	6.5	2590	A202_6.5 S3 ME3LB4	A202_6.5 S3 MX3LB4	306	A202_6.5 P100 BE100LB4	A202_6.5 P100 BX100LB4	307
225	121	2.5	6.4	3950	A302_6.4 S3 ME3LB4	A302_6.4 S3 MX3LB4	310	A302_6.4 P100 BE100LB4	A302_6.4 P100 BX100LB4	311
225	121	2.9	6.4	6360	A352_6.4 S3 ME3LB4	A352_6.4 S3 MX3LB4	314	A352_6.4 P100 BE100LB4	A352_6.4 P100 BX100LB4	315
227	119	1.2	6.3	2640	A102_6.3 S3 ME3LB4	A102_6.3 S3 MX3LB4	302	A102_6.3 P100 BE100LB4	A102_6.3 P100 BX100LB4	303
245	110	2.7	11.8	3870	A302_11.8 S3 ME3LB2		310	A302_11.8 P100 BE100L2		311
263	103	1.4	5.5	2200	A102_5.5 S3 ME3LB4	A102_5.5 S3 MX3LB4	302	A102_5.5 P100 BE100LB4	A102_5.5 P100 BX100LB4	303
266	102	2.9	5.4	3810	A302_5.4 S3 ME3LB4	A302_5.4 S3 MX3LB4	310	A302_5.4 P100 BE100LB4	A302_5.4 P100 BX100LB4	311
266	102	3.3	5.4	6070	A352_5.4 S3 ME3LB4	A352_5.4 S3 MX3LB4	314	A352_5.4 P100 BE100LB4	A352_5.4 P100 BX100LB4	315
269	101	2.1	5.4	2520	A202_5.4 S3 ME3LB4	A202_5.4 S3 MX3LB4	306	A202_5.4 P100 BE100LB4	A202_5.4 P100 BX100LB4	307
279	97	1.9	10.3	2500	A202_10.3 S3 ME3LB2		306	A202_10.3 P100 BE100L2		307
309	87	3.4	9.3	3670	A302_9.3 S3 ME3LB2		310	A302_9.3 P100 BE100L2		311
344	78	2.7	8.4	2410	A202_8.4 S3 ME3LB2		306	A202_8.4 P100 BE100L2		307
399	67	2.1	7.2	2090	A102_7.2 S3 ME3LB2		302	A102_7.2 P100 BE100L2		303
455	59	2.3	6.3	2430	A102_6.3 S3 ME3LB2		302	A102_6.3 P100 BE100L2		303
527	51	2.6	5.5	1990	A102_5.5 S3 ME3LB2		302	A102_5.5 P100 BE100L2		303

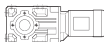





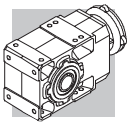
4 kW

n ₂	M ₂	S	i	R _{n2}						
min ⁻¹	Nm			N	IE2	IE3		IE2	IE3	
2.4	14456	1.0	601.6	75000	A904_601.6 S4 ME4SA4	A904_601.6 S4 MX4SA4	340	A904_601.6 P112 BE112M4	A904_601.6 P112 BX112M4	341
2.6	13344	1.0	555.3	75000	A904_555.3 S4 ME4SA4	A904_555.3 S4 MX4SA4	340	A904_555.3 P112 BE112M4	A904_555.3 P112 BX112M4	341
3.0	11693	1.2	486.6	75000	A904_486.6 S4 ME4SA4	A904_486.6 S4 MX4SA4	340	A904_486.6 P112 BE112M4	A904_486.6 P112 BX112M4	341
3.2	10793	1.3	449.2	75000	A904_449.2 S4 ME4SA4	A904_449.2 S4 MX4SA4	340	A904_449.2 P112 BE112M4	A904_449.2 P112 BX112M4	341
3.7	9262	1.5	385.4	75000	A904_385.4 S4 ME4SA4	A904_385.4 S4 MX4SA4	340	A904_385.4 P112 BE112M4	A904_385.4 P112 BX112M4	341
3.8	9215	0.9	383.5	65000	A804_383.5 S4 ME4SA4	A804_383.5 S4 MX4SA4	337	A804_383.5 P112 BE112M4	A804_383.5 P112 BX112M4	338
4.0	8550	1.6	355.8	75000	A904_355.8 S4 ME4SA4	A904_355.8 S4 MX4SA4	340	A904_355.8 P112 BE112M4	A904_355.8 P112 BX112M4	341
4.1	8506	0.9	354.0	65000	A804_354.0 S4 ME4SA4	A804_354.0 S4 MX4SA4	337	A804_354.0 P112 BE112M4	A804_354.0 P112 BX112M4	338
4.7	7326	1.9	304.9	75000	A904_304.9 S4 ME4SA4	A904_304.9 S4 MX4SA4	340	A904_304.9 P112 BE112M4	A904_304.9 P112 BX112M4	341
4.8	7218	1.1	300.4	65000	A804_300.4 S4 ME4SA4	A804_300.4 S4 MX4SA4	337	A804_300.4 P112 BE112M4	A804_300.4 P112 BX112M4	338
5.1	6763	2.1	281.4	75000	A904_281.4 S4 ME4SA4	A904_281.4 S4 MX4SA4	340	A904_281.4 P112 BE112M4	A904_281.4 P112 BX112M4	341
5.2	6663	1.2	277.3	65000	A804_277.3 S4 ME4SA4	A804_277.3 S4 MX4SA4	337	A804_277.3 P112 BE112M4	A804_277.3 P112 BX112M4	338
6.0	5734	0.9	238.6	50000	A704_238.6 S4 ME4SA4	A704_238.6 S4 MX4SA4	334	A704_238.6 P112 BE112M4	A704_238.6 P112 BX112M4	335
6.2	5590	1.4	232.6	65000	A804_232.6 S4 ME4SA4	A804_232.6 S4 MX4SA4	337	A804_232.6 P112 BE112M4	A804_232.6 P112 BX112M4	338
6.4	5441	2.6	226.4	75000	A904_226.4 S4 ME4SA4	A904_226.4 S4 MX4SA4	340	A904_226.4 P112 BE112M4	A904_226.4 P112 BX112M4	341
6.5	5293	0.9	220.3	50000	A704_220.3 S4 ME4SA4	A704_220.3 S4 MX4SA4	334	A704_220.3 P112 BE112M4	A704_220.3 P112 BX112M4	335
6.7	5160	1.6	214.7	65000	A804_214.7 S4 ME4SA4	A804_214.7 S4 MX4SA4	337	A804_214.7 P112 BE112M4	A804_214.7 P112 BX112M4	338
6.9	5023	2.8	209.0	75000	A904_209.0 S4 ME4SA4	A904_209.0 S4 MX4SA4	340	A904_209.0 P112 BE112M4	A904_209.0 P112 BX112M4	341
7.8	4419	1.1	183.9	50000	A704_183.9 S4 ME4SA4	A704_183.9 S4 MX4SA4	334	A704_183.9 P112 BE112M4	A704_183.9 P112 BX112M4	335
8.0	4325	3.2	180.0	75000	A904_180.0 S4 ME4SA4	A904_180.0 S4 MX4SA4	340	A904_180.0 P112 BE112M4	A904_180.0 P112 BX112M4	341
8.4	4116	1.9	171.3	65000	A804_171.3 S4 ME4SA4	A804_171.3 S4 MX4SA4	337	A804_171.3 P112 BE112M4	A804_171.3 P112 BX112M4	338
8.5	4079	1.2	169.8	50000	A704_169.8 S4 ME4SA4	A704_169.8 S4 MX4SA4	334	A704_169.8 P112 BE112M4	A704_169.8 P112 BX112M4	335
8.7	3992	3.5	166.1	75000	A904_166.1 S4 ME4SA4	A904_166.1 S4 MX4SA4	340	A904_166.1 P112 BE112M4	A904_166.1 P112 BX112M4	341
9.2	3853	2.1	156.8	65000	A803_156.8 S4 ME4SA4	A803_156.8 S4 MX4SA4	337	A803_156.8 P112 BE112M4	A803_156.8 P112 BX112M4	338
9.4	3776	1.1	153.7	50000	A703_153.7 S4 ME4SA4	A703_153.7 S4 MX4SA4	334	A703_153.7 P112 BE112M4	A703_153.7 P112 BX112M4	335
9.9	3556	2.2	144.7	65000	A803_144.7 S4 ME4SA4	A803_144.7 S4 MX4SA4	337	A803_144.7 P112 BE112M4	A803_144.7 P112 BX112M4	338
10.2	3486	1.4	141.9	50000	A703_141.9 S4 ME4SA4	A703_141.9 S4 MX4SA4	334	A703_141.9 P112 BE112M4	A703_141.9 P112 BX112M4	335
11.0	3210	1.6	130.7	50000	A703_130.7 S4 ME4SA4	A703_130.7 S4 MX4SA4	334	A703_130.7 P112 BE112M4	A703_130.7 P112 BX112M4	335
11.5	3086	2.6	125.6	65000	A803_125.6 S4 ME4SA4	A803_125.6 S4 MX4SA4	337	A803_125.6 P112 BE112M4	A803_125.6 P112 BX112M4	338
11.7	3023	0.9	123.0	30000	A603_123.0 S4 ME4SA4	A603_123.0 S4 MX4SA4	330	A603_123.0 P112 BE112M4	A603_123.0 P112 BX112M4	331
11.9	2964	1.7	120.6	50000	A703_120.6 S4 ME4SA4	A703_120.6 S4 MX4SA4	334	A703_120.6 P112 BE112M4	A703_120.6 P112 BX112M4	335
12.4	2849	2.8	116.0	65000	A803_116.0 S4 ME4SA4	A803_116.0 S4 MX4SA4	337	A803_116.0 P112 BE112M4	A803_116.0 P112 BX112M4	338
13.4	2649	1.1	107.8	30000	A603_107.8 S4 ME4SA4	A603_107.8 S4 MX4SA4	330	A603_107.8 P112 BE112M4	A603_107.8 P112 BX112M4	331
13.8	2561	2.0	104.2	50000	A703_104.2 S4 ME4SA4	A703_104.2 S4 MX4SA4	334	A703_104.2 P112 BE112M4	A703_104.2 P112 BX112M4	335
13.8	2556	3.1	104.0	65000	A803_104.0 S4 ME4SA4	A803_104.0 S4 MX4SA4	337	A803_104.0 P112 BE112M4	A803_104.0 P112 BX112M4	338
14.5	2445	1.1	99.5	30000	A603_99.5 S4 ME4SA4	A603_99.5 S4 MX4SA4	330	A603_99.5 P112 BE112M4	A603_99.5 P112 BX112M4	331
15.0	2364	2.1	96.2	50000	A703_96.2 S4 ME4SA4	A703_96.2 S4 MX4SA4	334	A703_96.2 P112 BE112M4	A703_96.2 P112 BX112M4	335
15.0	2359	3.4	96.0	65000	A803_96.0 S4 ME4SA4	A803_96.0 S4 MX4SA4	337	A803_96.0 P112 BE112M4	A803_96.0 P112 BX112M4	338
16.7	2122	1.3	86.4	30000	A603_86.4 S4 ME4SA4	A603_86.4 S4 MX4SA4	330	A603_86.4 P112 BE112M4	A603_86.4 P112 BX112M4	331
16.8	2112	2.4	85.9	50000	A703_85.9 S4 ME4SA4	A703_85.9 S4 MX4SA4	334	A703_85.9 P112 BE112M4	A703_85.9 P112 BX112M4	335
18.1	1959	1.4	79.7	30000	A603_79.7 S4 ME4SA4	A603_79.7 S4 MX4SA4	330	A603_79.7 P112 BE112M4	A603_79.7 P112 BX112M4	331
18.1	1954	1.0	79.5	30000	A553_79.5 S4 ME4SA4	A553_79.5 S4 MX4SA4	326	A553_79.5 P112 BE112M4	A553_79.5 P112 BX112M4	327
18.2	1949	2.6	79.3	50000	A703_79.3 S4 ME4SA4	A703_79.3 S4 MX4SA4	334	A703_79.3 P112 BE112M4	A703_79.3 P112 BX112M4	335
19.9	1782	2.8	72.5	50000	A703_72.5 S4 ME4SA4	A703_72.5 S4 MX4SA4	334	A703_72.5 P112 BE112M4	A703_72.5 P112 BX112M4	335
20.5	1730	1.6	70.4	30000	A603_70.4 S4 ME4SA4	A603_70.4 S4 MX4SA4	330	A603_70.4 P112 BE112M4	A603_70.4 P112 BX112M4	331
21.5	1645	3.0	66.9	50000	A703_66.9 S4 ME4SA4	A703_66.9 S4 MX4SA4	334	A703_66.9 P112 BE112M4	A703_66.9 P112 BX112M4	335
22.2	1597	1.8	65.0	30000	A603_65.0 S4 ME4SA4	A603_65.0 S4 MX4SA4	330	A603_65.0 P112 BE112M4	A603_65.0 P112 BX112M4	331
22.4	1580	1.3	64.3	30000	A553_64.3 S4 ME4SA4	A553_64.3 S4 MX4SA4	326	A553_64.3 P112 BE112M4	A553_64.3 P112 BX112M4	327
22.5	1570	1.0	63.9	14700	A503_63.9 S4 ME4SA4	A503_63.9 S4 MX4SA4	322	A503_63.9 P112 BE112M4	A503_63.9 P112 BX112M4	323
25.3	1396	1.1	56.8	14800	A503_56.8 S4 ME4SA4	A503_56.8 S4 MX4SA4	322	A503_56.8 P112 BE112M4	A503_56.8 P112 BX112M4	323
25.9	1366	2.0	55.6	30000	A603_55.6 S4 ME4SA4	A603_55.6 S4 MX4SA4	330	A603_55.6 P112 BE112M4	A603_55.6 P112 BX112M4	331
27.9	1270	1.2	51.7	14900	A503_51.7 S4 ME4SA4	A503_51.7 S4 MX4SA4	322	A503_51.7 P112 BE112M4	A503_51.7 P112 BX112M4	323
28.1	1261	2.2	51.3	30000	A603_51.3 S4 ME4SA4	A603_51.3 S4 MX4SA4	330	A603_51.3 P112 BE112M4	A603_51.3 P112 BX112M4	331
28.3	1252	1.6	51.0	30000	A553_51.0 S4 ME4SA4	A553_51.0 S4 MX4SA4	326	A553_51.0 P112 BE112M4	A553_51.0 P112 BX112M4	327
32	1110	2.5	45.2	30000	A603_45.2 S4 ME4SA4	A603_45.2 S4 MX4SA4	330	A603_45.2 P112 BE112M4	A603_45.2 P112 BX112M4	331
32	1106	1.4	45.0	14900	A503_45.0 S4 ME4SA4	A503_45.0 S4 MX4SA4	322	A503_45.0 P112 BE112M4	A503_45.0 P112 BX112M4	323
35	1025	2.7	41.7	30000	A603_41.7 S4 ME4SA4	A603_41.7 S4 MX4SA4	330	A603_41.7 P112 BE112M4	A603_41.7 P112 BX112M4	331

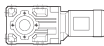

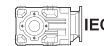



4 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IEC			
35	1006	1.5	40.9	14800	A503_40.9 S4 ME4SA4	A503_40.9 S4 MX4SA4	322	A503_40.9 P112 BE112M4	A503_40.9 P112 BX112M4	323
36	990	2.0	40.3	30000	A553_40.3 S4 ME4SA4	A553_40.3 S4 MX4SA4	326	A553_40.3 P112 BE112M4	A553_40.3 P112 BX112M4	327
40	875	1.7	35.6	14700	A503_35.6 S4 ME4SA4	A503_35.6 S4 MX4SA4	322	A503_35.6 P112 BE112M4	A503_35.6 P112 BX112M4	323
42	843	3.3	34.3	30000	A603_34.3 S4 ME4SA4	A603_34.3 S4 MX4SA4	330	A603_34.3 P112 BE112M4	A603_34.3 P112 BX112M4	331
44	796	1.9	32.4	14500	A503_32.4 S4 ME4SA4	A503_32.4 S4 MX4SA4	322	A503_32.4 P112 BE112M4	A503_32.4 P112 BX112M4	323
48	735	2.7	29.9	30000	A553_29.9 S4 ME4SA4	A553_29.9 S4 MX4SA4	326	A553_29.9 P112 BE112M4	A553_29.9 P112 BX112M4	327
51	719	1.0	28.3	10900	A412_28.3 S4 ME4SA4	A412_28.3 S4 MX4SA4	318	A412_28.3 P112 BE112M4	A412_28.3 P112 BX112M4	319
54	650	2.3	26.4	14100	A503_26.4 S4 ME4SA4	A503_26.4 S4 MX4SA4	322	A503_26.4 P112 BE112M4	A503_26.4 P112 BX112M4	323
56	652	0.9	25.7	7420				A352_25.7 P112 BE112M4	A352_25.7 P112 BX112M4	315
60	591	2.5	24.0	13900	A503_24.0 S4 ME4SA4	A503_24.0 S4 MX4SA4	322	A503_24.0 P112 BE112M4	A503_24.0 P112 BX112M4	323
61	585	3.3	23.8	30000	A553_23.8 S4 ME4SA4	A553_23.8 S4 MX4SA4	326	A553_23.8 P112 BE112M4	A553_23.8 P112 BX112M4	327
64	576	1.2	22.7	10500	A412_22.7 S4 ME4SA4	A412_22.7 S4 MX4SA4	318	A412_22.7 P112 BE112M4	A412_22.7 P112 BX112M4	319
64	571	1.1	22.5	7400				A352_22.5 P112 BE112M4	A352_22.5 P112 BX112M4	315
69	531	2.3	20.9	15100	A502_20.9 S4 ME4SA4	A502_20.9 S4 MX4SA4	322	A502_20.9 P112 BE112M4	A502_20.9 P112 BX112M4	323
70	518	1.2	20.4	7360				A352_20.4 P112 BE112M4	A352_20.4 P112 BX112M4	315
80	456	0.9	18.0	3930				A302_18.0 P112 BE112M4	A302_18.0 P112 BX112M4	311
81	451	1.4	17.8	10100	A412_17.8 S4 ME4SA4	A412_17.8 S4 MX4SA4	318	A412_17.8 P112 BE112M4	A412_17.8 P112 BX112M4	319
85	430	1.4	17.0	7240				A352_17.0 P112 BE112M4	A352_17.0 P112 BX112M4	315
87	421	2.9	16.6	14200	A502_16.6 S4 ME4SA4	A502_16.6 S4 MX4SA4	322	A502_16.6 P112 BE112M4	A502_16.6 P112 BX112M4	323
88	415	0.9	16.3	3970				A302_16.3 P112 BE112M4	A302_16.3 P112 BX112M4	311
89	408	1.5	16.1	9940	A412_16.1 S4 ME4SA4	A412_16.1 S4 MX4SA4	318	A412_16.1 P112 BE112M4	A412_16.1 P112 BX112M4	319
93	393	1.5	15.5	7160				A352_15.5 P112 BE112M4	A352_15.5 P112 BX112M4	315
105	349	1.7	13.8	9610	A412_13.8 S4 ME4SA4	A412_13.8 S4 MX4SA4	318	A412_13.8 P112 BE112M4	A412_13.8 P112 BX112M4	319
106	344	1.1	13.6	4000				A302_13.6 P112 BE112M4	A302_13.6 P112 BX112M4	311
110	333	3.3	13.1	13300	A502_13.1 S4 ME4SA4	A502_13.1 S4 MX4SA4	322	A502_13.1 P112 BE112M4	A502_13.1 P112 BX112M4	323
110	332	1.8	13.1	7000				A352_13.1 P112 BE112M4	A352_13.1 P112 BX112M4	315
122	299	1.0	11.8	3960				A302_11.8 P112 BE112M4	A302_11.8 P112 BX112M4	311
122	299	1.3	11.8	7050	A352_11.8 S4 ME4SA4	A352_11.8 S4 MX4SA4	314	A352_11.8 P112 BE112M4	A352_11.8 P112 BX112M4	315
123	298	1.8	11.7	9260	A412_11.7 S4 ME4SA4	A412_11.7 S4 MX4SA4	318	A412_11.7 P112 BE112M4	A412_11.7 P112 BX112M4	319
127	282	1.2	22.8	3980				A302_22.8 P112 BE112M2		311
135	270	1.5	10.6	6910	A352_10.6 S4 ME4SA4	A352_10.6 S4 MX4SA4	314	A352_10.6 P112 BE112M4	A352_10.6 P112 BX112M4	315
138	265	1.3	10.5	3970				A302_10.5 P112 BE112M4	A302_10.5 P112 BX112M4	311
142	257	2.1	10.1	8960	A412_10.1 S4 ME4SA4	A412_10.1 S4 MX4SA4	318	A412_10.1 P112 BE112M4	A412_10.1 P112 BX112M4	319
155	236	1.3	9.3	3900				A302_9.3 P112 BE112M4	A302_9.3 P112 BX112M4	311
155	236	1.7	9.3	6730	A352_9.3 S4 ME4SA4	A352_9.3 S4 MX4SA4	314	A352_9.3 P112 BE112M4	A352_9.3 P112 BX112M4	315
157	233	2.4	9.2	8740	A412_9.2 S4 ME4SA4	A412_9.2 S4 MX4SA4	318	A412_9.2 P112 BE112M4	A412_9.2 P112 BX112M4	319
170	215	1.4	8.5	3860				A302_8.5 P112 BE112M4	A302_8.5 P112 BX112M4	311
170	215	1.8	8.5	6590	A352_8.5 S4 ME4SA4	A352_8.5 S4 MX4SA4	314	A352_8.5 P112 BE112M4	A352_8.5 P112 BX112M4	315
172	212	1.0	8.4	2300				A202_8.4 P112 BE112M4	A202_8.4 P112 BX112M4	307
173	211	2.6	8.3	8520	A412_8.3 S4 ME4SA4	A412_8.3 S4 MX4SA4	318	A412_8.3 P112 BE112M4	A412_8.3 P112 BX112M4	319
198	185	1.1	7.3	2310				A202_7.3 P112 BE112M4	A202_7.3 P112 BX112M4	307
202	181	3.0	7.1	8180	A412_7.1 S4 ME4SA4	A412_7.1 S4 MX4SA4	318	A412_7.1 P112 BE112M4	A412_7.1 P112 BX112M4	319
205	178	1.7	7.0	3770				A302_7.0 P112 BE112M4	A302_7.0 P112 BX112M4	311
205	178	2.1	7.0	6310	A352_7.0 S4 ME4SA4	A352_7.0 S4 MX4SA4	314	A352_7.0 P112 BE112M4	A352_7.0 P112 BX112M4	315
220	166	1.3	6.5	2310				A202_6.5 P112 BE112M4	A202_6.5 P112 BX112M4	307
225	163	1.8	6.4	3720				A302_6.4 P112 BE112M4	A302_6.4 P112 BX112M4	311
225	163	2.2	6.4	6180	A352_6.4 S4 ME4SA4	A352_6.4 S4 MX4SA4	314	A352_6.4 P112 BE112M4	A352_6.4 P112 BX112M4	315
263	139	1.0	5.5	1910	A102_5.5 S4 ME4SA4	A102_5.5 S4 MX4SA4	302	A102_5.5 P112 BE112M4	A102_5.5 P112 BX112M4	303
266	137	2.2	5.4	3610				A302_5.4 P112 BE112M4	A302_5.4 P112 BX112M4	311
266	137	2.5	5.4	5920	A352_5.4 S4 ME4SA4	A352_5.4 S4 MX4SA4	314	A352_5.4 P112 BE112M4	A352_5.4 P112 BX112M4	315
269	136	1.5	5.4	2300				A202_5.4 P112 BE112M4	A202_5.4 P112 BX112M4	307
273	132	3.0	10.6	5850	A352_10.6 S4 ME4SA2		314	A352_10.6 P112 BE112M2		315
311	115	3.5	9.3	5650	A352_9.3 S4 ME4SA2		314	A352_9.3 P112 BE112M2		315
346	104	2.1	8.4	2230				A202_8.4 P112 BE112M2		307
413	87	3.4	7.0	3280				A302_7.0 P112 BE112M2		311
458	78	1.8	6.3	2240				A102_6.3 P112 BE112M2		303
542	66	2.9	5.4	2080				A202_5.4 P112 BE112M2		307








5.5 kW

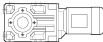




n ₂	M ₂	S	i	R _{n2}						
min-1	Nm			N	IE2	IE3		IE2	IE3	
3.0	15590	0.9	486.6	75000	A904_486.6 S4 ME4SB4	A904_486.6 S4 MX4SB4	340	A904_486.6 P132 BE132S4	A904_486.6 P132 BX132SB4	341
3.3	14391	1.0	449.2	75000	A904_449.2 S4 ME4SB4	A904_449.2 S4 MX4SB4	340	A904_449.2 P132 BE132S4	A904_449.2 P132 BX132SB4	341
3.8	12350	1.1	385.4	75000	A904_385.4 S4 ME4SB4	A904_385.4 S4 MX4SB4	340	A904_385.4 P132 BE132S4	A904_385.4 P132 BX132SB4	341
4.1	11400	1.2	355.8	75000	A904_355.8 S4 ME4SB4	A904_355.8 S4 MX4SB4	340	A904_355.8 P132 BE132S4	A904_355.8 P132 BX132SB4	341
4.8	9769	1.4	304.9	75000	A904_304.9 S4 ME4SB4	A904_304.9 S4 MX4SB4	340	A904_304.9 P132 BE132S4	A904_304.9 P132 BX132SB4	341
5.2	9017	1.6	281.4	75000	A904_281.4 S4 ME4SB4	A904_281.4 S4 MX4SB4	340	A904_281.4 P132 BE132S4	A904_281.4 P132 BX132SB4	341
5.3	8884	0.9	277.3	65000	A804_277.3 S4 ME4SB4	A804_277.3 S4 MX4SB4	337	A804_277.3 P132 BE132S4	A804_277.3 P132 BX132SB4	338
6.3	7453	1.1	232.6	65000	A804_232.6 S4 ME4SB4	A804_232.6 S4 MX4SB4	337	A804_232.6 P132 BE132S4	A804_232.6 P132 BX132SB4	338
6.4	7255	1.9	226.4	75000	A904_226.4 S4 ME4SB4	A904_226.4 S4 MX4SB4	340	A904_226.4 P132 BE132S4	A904_226.4 P132 BX132SB4	341
6.8	6880	1.2	214.7	65000	A804_214.7 S4 ME4SB4	A804_214.7 S4 MX4SB4	337	A804_214.7 P132 BE132S4	A804_214.7 P132 BX132SB4	338
7.0	6697	2.1	209.0	75000	A904_209.0 S4 ME4SB4	A904_209.0 S4 MX4SB4	340	A904_209.0 P132 BE132S4	A904_209.0 P132 BX132SB4	341
8.1	5766	2.4	180.0	75000	A904_180.0 S4 ME4SB4	A904_180.0 S4 MX4SB4	340	A904_180.0 P132 BE132S4	A904_180.0 P132 BX132SB4	341
8.5	5488	1.5	171.3	65000	A804_171.3 S4 ME4SB4	A804_171.3 S4 MX4SB4	337	A804_171.3 P132 BE132S4	A804_171.3 P132 BX132SB4	338
8.6	5439	0.9	169.8	50000	A704_169.8 S4 ME4SB4	A704_169.8 S4 MX4SB4	334	A704_169.8 P132 BE132S4	A704_169.8 P132 BX132SB4	335
8.8	5323	2.6	166.1	75000	A904_166.1 S4 ME4SB4	A904_166.1 S4 MX4SB4	340	A904_166.1 P132 BE132S4	A904_166.1 P132 BX132SB4	341
9.3	5137	1.6	156.8	65000	A803_156.8 S4 ME4SB4	A803_156.8 S4 MX4SB4	337	A803_156.8 P132 BE132S4	A803_156.8 P132 BX132SB4	338
9.7	4947	2.8	151.0	75000	A903_151.0 S4 ME4SB4	A903_151.0 S4 MX4SB4	340	A903_151.0 P132 BE132S4	A903_151.0 P132 BX132SB4	341
10.1	4742	1.7	144.7	65000	A803_144.7 S4 ME4SB4	A803_144.7 S4 MX4SB4	337	A803_144.7 P132 BE132S4	A803_144.7 P132 BX132SB4	338
10.3	4647	1.1	141.9	50000	A703_141.9 S4 ME4SB4	A703_141.9 S4 MX4SB4	334	A703_141.9 P132 BE132S4	A703_141.9 P132 BX132SB4	335
10.5	4567	2.8	139.4	75000	A903_139.4 S4 ME4SB4	A903_139.4 S4 MX4SB4	340	A903_139.4 P132 BE132S4	A903_139.4 P132 BX132SB4	341
11.2	4281	1.2	130.7	50000	A703_130.7 S4 ME4SB4	A703_130.7 S4 MX4SB4	334	A703_130.7 P132 BE132S4	A703_130.7 P132 BX132SB4	335
11.5	4149	3.2	126.6	75000	A903_126.6 S4 ME4SB4	A903_126.6 S4 MX4SB4	340	A903_126.6 P132 BE132S4	A903_126.6 P132 BX132SB4	341
11.6	4115	1.9	125.6	65000	A803_125.6 S4 ME4SB4	A803_125.6 S4 MX4SB4	337	A803_125.6 P132 BE132S4	A803_125.6 P132 BX132SB4	338
12.1	3951	1.3	120.6	50000	A703_120.6 S4 ME4SB4	A703_120.6 S4 MX4SB4	334	A703_120.6 P132 BE132S4	A703_120.6 P132 BX132SB4	335
12.6	3799	2.1	116.0	65000	A803_116.0 S4 ME4SB4	A803_116.0 S4 MX4SB4	337	A803_116.0 P132 BE132S4	A803_116.0 P132 BX132SB4	338
14.0	3415	1.5	104.2	50000	A703_104.2 S4 ME4SB4	A703_104.2 S4 MX4SB4	334	A703_104.2 P132 BE132S4	A703_104.2 P132 BX132SB4	335
14.0	3408	2.3	104.0	65000	A803_104.0 S4 ME4SB4	A803_104.0 S4 MX4SB4	337	A803_104.0 P132 BE132S4	A803_104.0 P132 BX132SB4	338
15.2	3152	1.6	96.2	50000	A703_96.2 S4 ME4SB4	A703_96.2 S4 MX4SB4	334	A703_96.2 P132 BE132S4	A703_96.2 P132 BX132SB4	335
15.2	3146	2.5	96.0	65000	A803_96.0 S4 ME4SB4	A803_96.0 S4 MX4SB4	337	A803_96.0 P132 BE132S4	A803_96.0 P132 BX132SB4	338
16.4	2922	2.7	89.2	65000	A803_89.2 S4 ME4SB4	A803_89.2 S4 MX4SB4	337	A803_89.2 P132 BE132S4	A803_89.2 P132 BX132SB4	338
16.9	2829	1.0	86.4	30000	A603_86.4 S4 ME4SB4	A603_86.4 S4 MX4SB4	330	A603_86.4 P132 BE132S4	A603_86.4 P132 BX132SB4	331
17.0	2815	1.8	85.9	50000	A703_85.9 S4 ME4SB4	A703_85.9 S4 MX4SB4	334	A703_85.9 P132 BE132S4	A703_85.9 P132 BX132SB4	335
17.7	2697	3.0	82.3	65000	A803_82.3 S4 ME4SB4	A803_82.3 S4 MX4SB4	337	A803_82.3 P132 BE132S4	A803_82.3 P132 BX132SB4	338
18.3	2612	1.1	79.7	30000	A603_79.7 S4 ME4SB4	A603_79.7 S4 MX4SB4	330	A603_79.7 P132 BE132S4	A603_79.7 P132 BX132SB4	331
18.4	2599	1.9	79.3	50000	A703_79.3 S4 ME4SB4	A703_79.3 S4 MX4SB4	334	A703_79.3 P132 BE132S4	A703_79.3 P132 BX132SB4	335
20.1	2376	2.1	72.5	50000	A703_72.5 S4 ME4SB4	A703_72.5 S4 MX4SB4	334	A703_72.5 P132 BE132S4	A703_72.5 P132 BX132SB4	335
20.2	2371	3.4	72.4	65000	A803_72.4 S4 ME4SB4	A803_72.4 S4 MX4SB4	337	A803_72.4 P132 BE132S4	A803_72.4 P132 BX132SB4	338
20.7	2306	1.2	70.4	30000	A603_70.4 S4 ME4SB4	A603_70.4 S4 MX4SB4	330	A603_70.4 P132 BE132S4	A603_70.4 P132 BX132SB4	331
21.8	2193	2.3	66.9	50000	A703_66.9 S4 ME4SB4	A703_66.9 S4 MX4SB4	334	A703_66.9 P132 BE132S4	A703_66.9 P132 BX132SB4	335
22.5	2129	1.3	65.0	30000	A603_65.0 S4 ME4SB4	A603_65.0 S4 MX4SB4	330	A603_65.0 P132 BE132S4	A603_65.0 P132 BX132SB4	331
22.7	2107	0.9	64.3	30000	A553_64.3 S4 ME4SB4	A553_64.3 S4 MX4SB4	326	A553_64.3 P132 BE132S4	A553_64.3 P132 BX132SB4	327
25.3	1889	2.6	57.7	50000	A703_57.7 S4 ME4SB4	A703_57.7 S4 MX4SB4	334	A703_57.7 P132 BE132S4	A703_57.7 P132 BX132SB4	335
26.3	1822	1.5	55.6	30000	A603_55.6 S4 ME4SB4	A603_55.6 S4 MX4SB4	330	A603_55.6 P132 BE132S4	A603_55.6 P132 BX132SB4	331
27.4	1744	2.9	53.2	50000	A703_53.2 S4 ME4SB4	A703_53.2 S4 MX4SB4	334	A703_53.2 P132 BE132S4	A703_53.2 P132 BX132SB4	335
28.4	1681	1.7	51.3	30000	A603_51.3 S4 ME4SB4	A603_51.3 S4 MX4SB4	330	A603_51.3 P132 BE132S4	A603_51.3 P132 BX132SB4	331
28.7	1669	1.2	51.0	30000	A553_51.0 S4 ME4SB4	A553_51.0 S4 MX4SB4	326	A553_51.0 P132 BE132S4	A553_51.0 P132 BX132SB4	327
29.8	1605	3.1	49.0	50000	A703_49.0 S4 ME4SB4	A703_49.0 S4 MX4SB4	334	A703_49.0 P132 BE132S4	A703_49.0 P132 BX132SB4	335
32	1482	3.2	45.2	50000	A703_45.2 S4 ME4SB4	A703_45.2 S4 MX4SB4	334	A703_45.2 P132 BE132S4	A703_45.2 P132 BX132SB4	335
32	1480	1.9	45.2	30000	A603_45.2 S4 ME4SB4	A603_45.2 S4 MX4SB4	330	A603_45.2 P132 BE132S4	A603_45.2 P132 BX132SB4	331
32	1474	1.0	45.0	12400	A503_45.0 S4 ME4SB4	A503_45.0 S4 MX4SB4	322	A503_45.0 P132 BE132S4	A503_45.0 P132 BX132SB4	323
35	1367	2.0	41.7	30000	A603_41.7 S4 ME4SB4	A603_41.7 S4 MX4SB4	330	A603_41.7 P132 BE132S4	A603_41.7 P132 BX132SB4	331
36	1341	1.1	40.9	12600	A503_40.9 S4 ME4SB4	A503_40.9 S4 MX4SB4	322	A503_40.9 P132 BE132S4	A503_40.9 P132 BX132SB4	323
36	1320	1.5	40.3	30000	A553_40.3 S4 ME4SB4	A553_40.3 S4 MX4SB4	326	A553_40.3 P132 BE132S4	A553_40.3 P132 BX132SB4	327
41	1166	1.3	35.6	12700	A503_35.6 S4 ME4SB4	A503_35.6 S4 MX4SB4	322	A503_35.6 P132 BE132S4	A503_35.6 P132 BX132SB4	323
43	1124	2.5	34.3	30000	A603_34.3 S4 ME4SB4	A603_34.3 S4 MX4SB4	330	A603_34.3 P132 BE132S4	A603_34.3 P132 BX132SB4	331
45	1061	1.4	32.4	12700	A503_32.4 S4 ME4SB4	A503_32.4 S4 MX4SB4	322	A503_32.4 P132 BE132S4	A503_32.4 P132 BX132SB4	323
46	1037	2.7	31.7	30000	A603_31.7 S4 ME4SB4	A603_31.7 S4 MX4SB4	330	A603_31.7 P132 BE132S4	A603_31.7 P132 BX132SB4	331

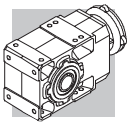


5.5 kW

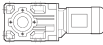





n ₂ min-1	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3		 IEC	
					IE2	IE3		IE2	IE3
49	981	2.0	29.9	30000	A553_29.9 S4 ME4SB4	A553_29.9 S4 MX4SB4	326	A553_29.9 P132 BE132S4	A553_29.9 P132 BX132SB4
52	912	3.1	27.9	30000	A603_27.9 S4 ME4SB4	A603_27.9 S4 MX4SB4	330	A603_27.9 P132 BE132S4	A603_27.9 P132 BX132SB4
55	866	1.7	26.4	12600	A503_26.4 S4 ME4SB4	A503_26.4 S4 MX4SB4	322	A503_26.4 P132 BE132S4	A503_26.4 P132 BX132SB4
57	842	3.3	25.7	30000	A603_25.7 S4 ME4SB4	A603_25.7 S4 MX4SB4	330	A603_25.7 P132 BE132S4	A603_25.7 P132 BX132SB4
61	788	1.9	24.0	12500	A503_24.0 S4 ME4SB4	A503_24.0 S4 MX4SB4	322	A503_24.0 P132 BE132S4	A503_24.0 P132 BX132SB4
61	779	2.5	23.8	29800	A553_23.8 S4 ME4SB4	A553_23.8 S4 MX4SB4	326	A553_23.8 P132 BE132S4	A553_23.8 P132 BX132SB4
70	708	1.7	20.9	14400	A502_20.9 S4 ME4SB4	A502_20.9 S4 MX4SB4	322	A502_20.9 P132 BE132S4	A502_20.9 P132 BX132SB4
71	697	2.9	20.6	30000	A602_20.6 S4 ME4SB4	A602_20.6 S4 MX4SB4	330	A602_20.6 P132 BE132S4	A602_20.6 P132 BX132SB4
76	651	2.8	19.2	29300	A552_19.2 S4 ME4SB4	A552_19.2 S4 MX4SB4	326	A552_19.2 P132 BE132S4	A552_19.2 P132 BX132SB4
82	601	1.0	17.8	9280	A412_17.8 S4 ME4SB4	A412_17.8 S4 MX4SB4	318	A412_17.8 P132 BE132S4	A412_17.8 P132 BX132SB4
87	566	3.5	16.7	30000	A602_16.7 S4 ME4SB4	A602_16.7 S4 MX4SB4	330	A602_16.7 P132 BE132S4	A602_16.7 P132 BX132SB4
88	561	2.1	16.6	13600	A502_16.6 S4 ME4SB4	A502_16.6 S4 MX4SB4	322	A502_16.6 P132 BE132S4	A502_16.6 P132 BX132SB4
91	545	1.1	16.1	9160	A412_16.1 S4 ME4SB4	A412_16.1 S4 MX4SB4	318	A412_16.1 P132 BE132S4	A412_16.1 P132 BX132SB4
93	531	3.4	15.7	27700	A552_15.7 S4 ME4SB4	A552_15.7 S4 MX4SB4	326	A552_15.7 P132 BE132S4	A552_15.7 P132 BX132SB4
106	466	1.3	13.8	8940	A412_13.8 S4 ME4SB4	A412_13.8 S4 MX4SB4	318	A412_13.8 P132 BE132S4	A412_13.8 P132 BX132SB4
111	444	2.5	13.1	12800	A502_13.1 S4 ME4SB4	A502_13.1 S4 MX4SB4	322	A502_13.1 P132 BE132S4	A502_13.1 P132 BX132SB4
124	397	1.4	11.7	8670	A412_11.7 S4 ME4SB4	A412_11.7 S4 MX4SB4	318	A412_11.7 P132 BE132S4	A412_11.7 P132 BX132SB4
124	399	1.0	11.8	6450	A352_11.8 S4 ME4SB4	A352_11.8 S4 MX4SB4	314	A352_11.8 P132 BE132S4	A352_11.8 P132 BX132SB4
138	360	1.1	10.6	6360	A352_10.6 S4 ME4SB4	A352_10.6 S4 MX4SB4	314	A352_10.6 P132 BE132S4	A352_10.6 P132 BX132SB4
144	343	1.6	10.1	8440	A412_10.1 S4 ME4SB4	A412_10.1 S4 MX4SB4	318	A412_10.1 P132 BE132S4	A412_10.1 P132 BX132SB4
150	329	3.0	9.7	11800	A502_9.7 S4 ME4SB4	A502_9.7 S4 MX4SB4	322	A502_9.7 P132 BE132S4	A502_9.7 P132 BX132SB4
157	315	1.3	9.3	6240	A352_9.3 S4 ME4SB4	A352_9.3 S4 MX4SB4	314	A352_9.3 P132 BE132S4	A352_9.3 P132 BX132SB4
159	311	1.8	9.2	8250	A412_9.2 S4 ME4SB4	A412_9.2 S4 MX4SB4	318	A412_9.2 P132 BE132S4	A412_9.2 P132 BX132SB4
173	286	1.3	8.5	6140	A352_8.5 S4 ME4SB4	A352_8.5 S4 MX4SB4	314	A352_8.5 P132 BE132S4	A352_8.5 P132 BX132SB4
175	282	2.0	8.3	8080	A412_8.3 S4 ME4SB4	A412_8.3 S4 MX4SB4	318	A412_8.3 P132 BE132S4	A412_8.3 P132 BX132SB4
205	241	2.3	7.1	7790	A412_7.1 S4 ME4SB4	A412_7.1 S4 MX4SB4	318	A412_7.1 P132 BE132S4	A412_7.1 P132 BX132SB4
208	238	1.6	7.0	5930	A352_7.0 S4 ME4SB4	A352_7.0 S4 MX4SB4	314	A352_7.0 P132 BE132S4	A352_7.0 P132 BX132SB4
228	217	1.6	6.4	5820	A352_6.4 S4 ME4SB4	A352_6.4 S4 MX4SB4	314	A352_6.4 P132 BE132S4	A352_6.4 P132 BX132SB4
249	198	2.8	11.7	7430	A412_11.7 S4 ME4SB2	A352_5.4 S4 MX4SB4	318	A412_11.7 P132 BE132SA2	
270	183	1.9	5.4	5610	A352_5.4 S4 ME4SB4		314	A352_5.4 P132 BE132S4	A352_5.4 P132 BX132SB4
289	171	2.5	10.1	7170	A412_10.1 S4 ME4SB2		318	A412_10.1 P132 BE132SA2	
416	119	3.1	7.0	5060	A352_7.0 S4 ME4SB2		314	A352_7.0 P132 BE132SA2	

7.5 kW

n ₂ min-1	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3		 IEC	
					IE2	IE3		IE2	IE3
4.1	15516	0.9	355.8	75000	A904_355.8 S4 ME4LA4	A904_355.8 S4 MX4LA4	340	A904_355.8 P132 BE132MA4	A904_355.8 P132 BX132MA4
4.8	13296	1.1	304.9	75000	A904_304.9 S4 ME4LA4	A904_304.9 S4 MX4LA4	340	A904_304.9 P132 BE132MA4	A904_304.9 P132 BX132MA4
5.2	12273	1.1	281.4	75000	A904_281.4 S4 ME4LA4	A904_281.4 S4 MX4LA4	340	A904_281.4 P132 BE132MA4	A904_281.4 P132 BX132MA4
6.4	9875	1.4	226.4	75000	A904_226.4 S4 ME4LA4	A904_226.4 S4 MX4LA4	340	A904_226.4 P132 BE132MA4	A904_226.4 P132 BX132MA4
7.0	9115	1.5	209.0	75000	A904_209.0 S4 ME4LA4	A904_209.0 S4 MX4LA4	340	A904_209.0 P132 BE132MA4	A904_209.0 P132 BX132MA4
8.1	7849	1.8	180.0	75000	A904_180.0 S4 ME4LA4	A904_180.0 S4 MX4LA4	340	A904_180.0 P132 BE132MA4	A904_180.0 P132 BX132MA4
8.5	7470	1.1	171.3	65000	A804_171.3 S4 ME4LA4	A804_171.3 S4 MX4LA4	337	A804_171.3 P132 BE132MA4	A804_171.3 P132 BX132MA4
8.8	7245	1.9	166.1	75000	A904_166.1 S4 ME4LA4	A904_166.1 S4 MX4LA4	340	A904_166.1 P132 BE132MA4	A904_166.1 P132 BX132MA4
9.3	6992	1.1	156.8	65000	A803_156.8 S4 ME4LA4	A803_156.8 S4 MX4LA4	337	A803_156.8 P132 BE132MA4	A803_156.8 P132 BX132MA4
9.6	6733	2.0	151.0	75000	A903_151.0 S4 ME4LA4	A903_151.0 S4 MX4LA4	340	A903_151.0 P132 BE132MA4	A903_151.0 P132 BX132MA4
10.1	6454	1.2	144.7	65000	A803_144.7 S4 ME4LA4	A803_144.7 S4 MX4LA4	337	A803_144.7 P132 BE132MA4	A803_144.7 P132 BX132MA4
10.4	6216	2.1	139.4	75000	A903_139.4 S4 ME4LA4	A903_139.4 S4 MX4LA4	340	A903_139.4 P132 BE132MA4	A903_139.4 P132 BX132MA4
11.5	5647	2.3	126.6	75000	A903_126.6 S4 ME4LA4	A903_126.6 S4 MX4LA4	340	A903_126.6 P132 BE132MA4	A903_126.6 P132 BX132MA4
11.6	5601	1.4	125.6	65000	A803_125.6 S4 ME4LA4	A803_125.6 S4 MX4LA4	337	A803_125.6 P132 BE132MA4	A803_125.6 P132 BX132MA4
12.1	5378	0.9	120.6	50000	A703_120.6 S4 ME4LA4	A703_120.6 S4 MX4LA4	334	A703_120.6 P132 BE132MA4	A703_120.6 P132 BX132MA4
12.4	5213	2.7	116.9	75000	A903_116.9 S4 ME4LA4	A903_116.9 S4 MX4LA4	340	A903_116.9 P132 BE132MA4	A903_116.9 P132 BX132MA4
12.5	5170	1.5	116.0	65000	A803_116.0 S4 ME4LA4	A803_116.0 S4 MX4LA4	337	A803_116.0 P132 BE132MA4	A803_116.0 P132 BX132MA4
13.6	4763	2.9	106.8	75000	A903_106.8 S4 ME4LA4	A903_106.8 S4 MX4LA4	340	A903_106.8 P132 BE132MA4	A903_106.8 P132 BX132MA4








7.5 kW

n ₂ min-1	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3		 IE2	 IE3	
14.0	4648	1.1	104.2	50000	A703_104.2 S4 ME4LA4	A703_104.2 S4 MX4LA4	334	A703_104.2 P132 BE132MA4	A703_104.2 P132 BX132MA4	335
14.0	4639	1.7	104.0	65000	A803_104.0 S4 ME4LA4	A803_104.0 S4 MX4LA4	337	A803_104.0 P132 BE132MA4	A803_104.0 P132 BX132MA4	338
14.8	4397	3.2	98.6	75000	A903_98.6 S4 ME4LA4	A903_98.6 S4 MX4LA4	340	A903_98.6 P132 BE132MA4	A903_98.6 P132 BX132MA4	341
15.1	4290	1.2	96.2	50000	A703_96.2 S4 ME4LA4	A703_96.2 S4 MX4LA4	334	A703_96.2 P132 BE132MA4	A703_96.2 P132 BX132MA4	335
15.2	4282	1.9	96.0	65000	A803_96.0 S4 ME4LA4	A803_96.0 S4 MX4LA4	337	A803_96.0 P132 BE132MA4	A803_96.0 P132 BX132MA4	338
16.3	3977	2.0	89.2	65000	A803_89.2 S4 ME4LA4	A803_89.2 S4 MX4LA4	337	A803_89.2 P132 BE132MA4	A803_89.2 P132 BX132MA4	338
16.9	3832	1.3	85.9	50000	A703_85.9 S4 ME4LA4	A703_85.9 S4 MX4LA4	334	A703_85.9 P132 BE132MA4	A703_85.9 P132 BX132MA4	335
17.7	3671	2.2	82.3	65000	A803_82.3 S4 ME4LA4	A803_82.3 S4 MX4LA4	337	A803_82.3 P132 BE132MA4	A803_82.3 P132 BX132MA4	338
18.3	3537	1.4	79.3	50000	A703_79.3 S4 ME4LA4	A703_79.3 S4 MX4LA4	334	A703_79.3 P132 BE132MA4	A703_79.3 P132 BX132MA4	335
20.1	3234	1.5	72.5	50000	A703_72.5 S4 ME4LA4	A703_72.5 S4 MX4LA4	334	A703_72.5 P132 BE132MA4	A703_72.5 P132 BX132MA4	335
20.1	3227	2.5	72.4	65000	A803_72.4 S4 ME4LA4	A803_72.4 S4 MX4LA4	337	A803_72.4 P132 BE132MA4	A803_72.4 P132 BX132MA4	338
20.7	3139	0.9	70.4	30000	A603_70.4 S4 ME4LA4	A603_70.4 S4 MX4LA4	330	A603_70.4 P132 BE132MA4	A603_70.4 P132 BX132MA4	331
21.7	2985	1.7	66.9	50000	A703_66.9 S4 ME4LA4	A703_66.9 S4 MX4LA4	334	A703_66.9 P132 BE132MA4	A703_66.9 P132 BX132MA4	335
21.8	2979	2.7	66.8	65000	A803_66.8 S4 ME4LA4	A803_66.8 S4 MX4LA4	337	A803_66.8 P132 BE132MA4	A803_66.8 P132 BX132MA4	338
22.4	2898	1.0	65.0	30000	A603_65.0 S4 ME4LA4	A603_65.0 S4 MX4LA4	330	A603_65.0 P132 BE132MA4	A603_65.0 P132 BX132MA4	331
24.3	2666	3.0	59.8	63800	A803_59.8 S4 ME4LA4	A803_59.8 S4 MX4LA4	337	A803_59.8 P132 BE132MA4	A803_59.8 P132 BX132MA4	338
25.2	2571	1.9	57.7	50000	A703_57.7 S4 ME4LA4	A703_57.7 S4 MX4LA4	334	A703_57.7 P132 BE132MA4	A703_57.7 P132 BX132MA4	335
26.2	2479	1.1	55.6	30000	A603_55.6 S4 ME4LA4	A603_55.6 S4 MX4LA4	330	A603_55.6 P132 BE132MA4	A603_55.6 P132 BX132MA4	331
26.4	2461	3.2	55.2	62600	A803_55.2 S4 ME4LA4	A803_55.2 S4 MX4LA4	337	A803_55.2 P132 BE132MA4	A803_55.2 P132 BX132MA4	338
27.3	2374	2.1	53.2	50000	A703_53.2 S4 ME4LA4	A703_53.2 S4 MX4LA4	334	A703_53.2 P132 BE132MA4	A703_53.2 P132 BX132MA4	335
28.3	2289	1.2	51.3	30000	A603_51.3 S4 ME4LA4	A603_51.3 S4 MX4LA4	330	A603_51.3 P132 BE132MA4	A603_51.3 P132 BX132MA4	331
29.7	2185	2.3	49.0	50000	A703_49.0 S4 ME4LA4	A703_49.0 S4 MX4LA4	334	A703_49.0 P132 BE132MA4	A703_49.0 P132 BX132MA4	335
32	2017	2.4	45.2	50000	A703_45.2 S4 ME4LA4	A703_45.2 S4 MX4LA4	334	A703_45.2 P132 BE132MA4	A703_45.2 P132 BX132MA4	335
32	2015	1.4	45.2	30000	A603_45.2 S4 ME4LA4	A603_45.2 S4 MX4LA4	330	A603_45.2 P132 BE132MA4	A603_45.2 P132 BX132MA4	331
35	1860	1.5	41.7	30000	A603_41.7 S4 ME4LA4	A603_41.7 S4 MX4LA4	330	A603_41.7 P132 BE132MA4	A603_41.7 P132 BX132MA4	331
36	1797	1.1	40.3	30000	A553_40.3 S4 ME4LA4	A553_40.3 S4 MX4LA4	326	A553_40.3 P132 BE132MA4	A553_40.3 P132 BX132MA4	327
38	1712	2.8	38.4	50000	A703_38.4 S4 ME4LA4	A703_38.4 S4 MX4LA4	334	A703_38.4 P132 BE132MA4	A703_38.4 P132 BX132MA4	335
41	1587	0.9	35.6	10100	A503_35.6 S4 ME4LA4	A503_35.6 S4 MX4LA4	322	A503_35.6 P132 BE132MA4	A503_35.6 P132 BX132MA4	323
41	1580	2.8	35.4	50000	A703_35.4 S4 ME4LA4	A703_35.4 S4 MX4LA4	334	A703_35.4 P132 BE132MA4	A703_35.4 P132 BX132MA4	335
42	1529	1.8	34.3	30000	A603_34.3 S4 ME4LA4	A603_34.3 S4 MX4LA4	330	A603_34.3 P132 BE132MA4	A603_34.3 P132 BX132MA4	331
45	1444	1.0	32.4	10300	A503_32.4 S4 ME4LA4	A503_32.4 S4 MX4LA4	322	A503_32.4 P132 BE132MA4	A503_32.4 P132 BX132MA4	323
46	1412	2.0	31.7	30000	A603_31.7 S4 ME4LA4	A603_31.7 S4 MX4LA4	330	A603_31.7 P132 BE132MA4	A603_31.7 P132 BX132MA4	331
49	1335	1.5	29.9	30000	A553_29.9 S4 ME4LA4	A553_29.9 S4 MX4LA4	326	A553_29.9 P132 BE132MA4	A553_29.9 P132 BX132MA4	327
52	1242	2.3	27.9	30000	A603_27.9 S4 ME4LA4	A603_27.9 S4 MX4LA4	330	A603_27.9 P132 BE132MA4	A603_27.9 P132 BX132MA4	331
55	1179	1.3	26.4	10700	A503_26.4 S4 ME4LA4	A503_26.4 S4 MX4LA4	322	A503_26.4 P132 BE132MA4	A503_26.4 P132 BX132MA4	323
57	1146	2.4	25.7	30000	A603_25.7 S4 ME4LA4	A603_25.7 S4 MX4LA4	330	A603_25.7 P132 BE132MA4	A603_25.7 P132 BX132MA4	331
61	1072	1.4	24.0	10800	A503_24.0 S4 ME4LA4	A503_24.0 S4 MX4LA4	322	A503_24.0 P132 BE132MA4	A503_24.0 P132 BX132MA4	323
61	1061	1.8	23.8	28800	A553_23.8 S4 ME4LA4	A553_23.8 S4 MX4LA4	326	A553_23.8 P132 BE132MA4	A553_23.8 P132 BX132MA4	327
70	963	1.2	20.9	13700	A502_20.9 S4 ME4LA4	A502_20.9 S4 MX4LA4	322	A502_20.9 P132 BE132MA4	A502_20.9 P132 BX132MA4	323
71	949	2.1	20.6	30000	A602_20.6 S4 ME4LA4	A602_20.6 S4 MX4LA4	330	A602_20.6 P132 BE132MA4	A602_20.6 P132 BX132MA4	331
76	886	2.0	19.2	28800	A552_19.2 S4 ME4LA4	A552_19.2 S4 MX4LA4	326	A552_19.2 P132 BE132MA4	A552_19.2 P132 BX132MA4	327
87	771	2.6	16.7	30000	A602_16.7 S4 ME4LA4	A602_16.7 S4 MX4LA4	330	A602_16.7 P132 BE132MA4	A602_16.7 P132 BX132MA4	331
88	763	1.6	16.6	13000	A502_16.6 S4 ME4LA4	A502_16.6 S4 MX4LA4	322	A502_16.6 P132 BE132MA4	A502_16.6 P132 BX132MA4	323
93	722	2.5	15.7	27300	A552_15.7 S4 ME4LA4	A552_15.7 S4 MX4LA4	326	A552_15.7 P132 BE132MA4	A552_15.7 P132 BX132MA4	327
106	634	0.9	13.8	8130	A412_13.8 S4 ME4LA4	A412_13.8 S4 MX4LA4	318	A412_13.8 P132 BE132MA4	A412_13.8 P132 BX132MA4	319
111	604	1.8	13.1	12300	A502_13.1 S4 ME4LA4	A502_13.1 S4 MX4LA4	322	A502_13.1 P132 BE132MA4	A502_13.1 P132 BX132MA4	323
111	602	3.0	13.1	26100	A552_13.1 S4 ME4LA4	A552_13.1 S4 MX4LA4	326	A552_13.1 P132 BE132MA4	A552_13.1 P132 BX132MA4	327
115	585	3.4	12.7	30000	A602_12.7 S4 ME4LA4	A602_12.7 S4 MX4LA4	330	A602_12.7 P132 BE132MA4	A602_12.7 P132 BX132MA4	331
124	541	1.0	11.7	7970	A412_11.7 S4 ME4LA4	A412_11.7 S4 MX4LA4	318	A412_11.7 P132 BE132MA4	A412_11.7 P132 BX132MA4	319
144	467	1.1	10.1	7850	A412_10.1 S4 ME4LA4	A412_10.1 S4 MX4LA4	318	A412_10.1 P132 BE132MA4	A412_10.1 P132 BX132MA4	319
149	448	2.2	9.7	11500	A502_9.7 S4 ME4LA4	A502_9.7 S4 MX4LA4	322	A502_9.7 P132 BE132MA4	A502_9.7 P132 BX132MA4	323
156	429	0.9	9.3	5650	A352_9.3 S4 ME4LA4	A352_9.3 S4 MX4LA4	314	A352_9.3 P132 BE132MA4	A352_9.3 P132 BX132MA4	315
158	424	1.3	9.2	7710	A412_9.2 S4 ME4LA4	A412_9.2 S4 MX4LA4	318	A412_9.2 P132 BE132MA4	A412_9.2 P132 BX132MA4	319
172	390	1.0	8.5	5600	A352_8.5 S4 ME4LA4	A352_8.5 S4 MX4LA4	314	A352_8.5 P132 BE132MA4	A352_8.5 P132 BX132MA4	315
175	384	1.4	8.3	7590	A412_8.3 S4 ME4LA4	A412_8.3 S4 MX4LA4	318	A412_8.3 P132 BE132MA4	A412_8.3 P132 BX132MA4	319
188	356	2.7	7.7	10800	A502_7.7 S4 ME4LA4	A502_7.7 S4 MX4LA4	322	A502_7.7 P132 BE132MA4	A502_7.7 P132 BX132MA4	323
204	328	1.7	7.1	7370	A412_7.1 S4 ME4LA4	A412_7.1 S4 MX4LA4	318	A412_7.1 P132 BE132MA4	A412_7.1 P132 BX132MA4	319
207	323	1.1	7.0	5490	A352_7.0 S4 ME4LA4	A352_7.0 S4 MX4LA4	314	A352_7.0 P132 BE132MA4	A352_7.0 P132 BX132MA4	315
227	295	1.2	6.4	5420	A352_6.4 S4 ME4LA4	A352_6.4 S4 MX4LA4	314	A352_6.4 P132 BE132MA4	A352_6.4 P132 BX132MA4	315
269	249	1.4	5.4	5270	A352_5.4 S4 ME4LA4	A352_5.4 S4 MX4LA4	314	A352_5.4 P132 BE132MA4	A352_5.4 P132 BX132MA4	315
277	242	2.3	5.2	6920	A412_5.2 S4 ME4LA4	A412_5.2 S4 MX4LA4	318	A412_5.2 P132 BE132MA4	A412_5.2 P132 BX132MA4	319
318	212	2.5	9.2	6710	A412_9.2 S4 ME4LA2		318	A412_9.2 P132 BE132SB2		319
351	192	2.7	8.3	6550	A412_8.3 S4 ME4LA2		318	A412_8.3 P132 BE132SB2		319
416	162	2.3	7.0	4830	A352_7.0 S4 ME4LA2		314	A352_7.0 P132 BE132SB2		315
540	125	2.7	5.4	4550	A352_5.4 S4 ME4LA2		314	A352_5.4 P132 BE132SB2		315







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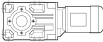



n ₂ min-1	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IE2	 IE3	
5.2	15279	0.9	281.4	75000	A904_281.4 S4 ME4LB4		340 A904_281.4 P132 BE132MB4	A904_281.4 P160 BX160MA4	341
6.4	12293	1.1	226.4	75000	A904_226.4 S4 ME4LB4		340 A904_226.4 P132 BE132MB4	A904_226.4 P160 BX160MA4	341
6.9	11347	1.2	209.0	75000	A904_209.0 S4 ME4LB4		340 A904_209.0 P132 BE132MB4	A904_209.0 P160 BX160MA4	341
8.1	9771	1.4	180.0	75000	A904_180.0 S4 ME4LB4		340 A904_180.0 P132 BE132MB4	A904_180.0 P160 BX160MA4	341
8.5	9300	0.9	171.3	65000	A804_171.3 S4 ME4LB4		337 A804_171.3 P132 BE132MB4		338
8.7	9019	1.6	166.1	75000	A904_166.1 S4 ME4LB4		340 A904_166.1 P132 BE132MB4	A904_166.1 P160 BX160MA4	341
9.2	8704	0.9	156.8	65000	A803_156.8 S4 ME4LB4	A803_156.8 S5 MX5SA4	337 A803_156.8 P132 BE132MB4	A803_156.8 P160 BX160MA4	338
9.6	8383	1.6	151.0	75000	A903_151.0 S4 ME4LB4	A903_151.0 S5 MX5SA4	340 A903_151.0 P132 BE132MB4	A903_151.0 P160 BX160MA4	341
10.0	8034	1.0	144.7	65000	A803_144.7 S4 ME4LB4	A803_144.7 S5 MX5SA4	337 A803_144.7 P132 BE132MB4	A803_144.7 P160 BX160MA4	338
10.4	7738	1.6	139.4	75000	A903_139.4 S4 ME4LB4	A903_139.4 S5 MX5SA4	340 A903_139.4 P132 BE132MB4	A903_139.4 P160 BX160MA4	341
11.4	7030	1.9	126.6	75000	A903_126.6 S4 ME4LB4	A903_126.6 S5 MX5SA4	340 A903_126.6 P132 BE132MB4	A903_126.6 P160 BX160MA4	341
11.5	6973	1.1	125.6	65000	A803_125.6 S4 ME4LB4	A803_125.6 S5 MX5SA4	337 A803_125.6 P132 BE132MB4	A803_125.6 P160 BX160MA4	338
12.4	6489	2.2	116.9	75000	A903_116.9 S4 ME4LB4	A903_116.9 S5 MX5SA4	340 A903_116.9 P132 BE132MB4	A903_116.9 P160 BX160MA4	341
12.5	6437	1.2	116.0	65000	A803_116.0 S4 ME4LB4	A803_116.0 S5 MX5SA4	337 A803_116.0 P132 BE132MB4	A803_116.0 P160 BX160MA4	338
13.6	5930	2.4	106.8	75000	A903_106.8 S4 ME4LB4	A903_106.8 S5 MX5SA4	340 A903_106.8 P132 BE132MB4	A903_106.8 P160 BX160MA4	341
13.9	5775	1.4	104.0	65000	A803_104.0 S4 ME4LB4	A803_104.0 S5 MX5SA4	337 A803_104.0 P132 BE132MB4	A803_104.0 P160 BX160MA4	338
14.7	5473	2.6	98.6	75000	A903_98.6 S4 ME4LB4	A903_98.6 S5 MX5SA4	340 A903_98.6 P132 BE132MB4	A903_98.6 P160 BX160MA4	341
15.1	5341	0.9	96.2	50000	A703_96.2 S4 ME4LB4	A703_96.2 S5 MX5SA4	334 A703_96.2 P132 BE132MB4	A703_96.2 P160 BX160MA4	335
15.1	5331	1.5	96.0	65000	A803_96.0 S4 ME4LB4	A803_96.0 S5 MX5SA4	337 A803_96.0 P132 BE132MB4	A803_96.0 P160 BX160MA4	338
16.3	4950	1.6	89.2	65000	A803_89.2 S4 ME4LB4	A803_89.2 S5 MX5SA4	337 A803_89.2 P132 BE132MB4	A803_89.2 P160 BX160MA4	338
16.7	4833	2.9	87.1	75000	A903_87.1 S4 ME4LB4	A903_87.1 S5 MX5SA4	340 A903_87.1 P132 BE132MB4	A903_87.1 P160 BX160MA4	341
16.9	4770	1.0	85.9	50000	A703_85.9 S4 ME4LB4	A703_85.9 S5 MX5SA4	334 A703_85.9 P132 BE132MB4	A703_85.9 P160 BX160MA4	335
17.6	4570	1.8	82.3	65000	A803_82.3 S4 ME4LB4	A803_82.3 S5 MX5SA4	337 A803_82.3 P132 BE132MB4	A803_82.3 P160 BX160MA4	338
18.0	4461	3.1	80.4	75000	A903_80.4 S4 ME4LB4	A903_80.4 S5 MX5SA4	340 A903_80.4 P132 BE132MB4	A903_80.4 P160 BX160MA4	341
18.3	4403	1.1	79.3	50000	A703_79.3 S4 ME4LB4	A703_79.3 S5 MX5SA4	334 A703_79.3 P132 BE132MB4	A703_79.3 P160 BX160MA4	335
19.5	4134	3.4	74.5	75000	A903_74.5 S4 ME4LB4	A903_74.5 S5 MX5SA4	340 A903_74.5 P132 BE132MB4	A903_74.5 P160 BX160MA4	341
20.0	4026	1.2	72.5	50000	A703_72.5 S4 ME4LB4	A703_72.5 S5 MX5SA4	334 A703_72.5 P132 BE132MB4	A703_72.5 P160 BX160MA4	335
20.0	4017	2.0	72.4	65000	A803_72.4 S4 ME4LB4	A803_72.4 S5 MX5SA4	337 A803_72.4 P132 BE132MB4	A803_72.4 P160 BX160MA4	338
21.7	3716	1.3	66.9	50000	A703_66.9 S4 ME4LB4	A703_66.9 S5 MX5SA4	334 A703_66.9 P132 BE132MB4	A703_66.9 P160 BX160MA4	335
21.7	3708	2.2	66.8	63800	A803_66.8 S4 ME4LB4	A803_66.8 S5 MX5SA4	337 A803_66.8 P132 BE132MB4	A803_66.8 P160 BX160MA4	338
24.3	3318	2.4	59.8	62400	A803_59.8 S4 ME4LB4	A803_59.8 S5 MX5SA4	337 A803_59.8 P132 BE132MB4	A803_59.8 P160 BX160MA4	338
25.1	3201	1.6	57.7	50000	A703_57.7 S4 ME4LB4	A703_57.7 S5 MX5SA4	334 A703_57.7 P132 BE132MB4	A703_57.7 P160 BX160MA4	335
26.1	3087	0.9	55.6	30000	A603_55.6 S4 ME4LB4	A603_55.6 S5 MX5SA4	330 A603_55.6 P132 BE132MB4	A603_55.6 P160 BX160MA4	331
26.3	3063	2.6	55.2	61300	A803_55.2 S4 ME4LB4	A803_55.2 S5 MX5SA4	337 A803_55.2 P132 BE132MB4	A803_55.2 P160 BX160MA4	338
27.2	2955	1.7	53.2	50000	A703_53.2 S4 ME4LB4	A703_53.2 S5 MX5SA4	334 A703_53.2 P132 BE132MB4	A703_53.2 P160 BX160MA4	335
28.3	2849	1.0	51.3	30000	A603_51.3 S4 ME4LB4	A603_51.3 S5 MX5SA4	330 A603_51.3 P132 BE132MB4	A603_51.3 P160 BX160MA4	331
29.6	2720	1.8	49.0	50000	A703_49.0 S4 ME4LB4	A703_49.0 S5 MX5SA4	334 A703_49.0 P132 BE132MB4	A703_49.0 P160 BX160MA4	335
30	2675	3.0	48.2	59500	A803_48.2 S4 ME4LB4	A803_48.2 S5 MX5SA4	337 A803_48.2 P132 BE132MB4	A803_48.2 P160 BX160MA4	338
32	2511	1.9	45.2	50000	A703_45.2 S4 ME4LB4	A703_45.2 S5 MX5SA4	334 A703_45.2 P132 BE132MB4	A703_45.2 P160 BX160MA4	335
32	2508	1.1	45.2	30000	A603_45.2 S4 ME4LB4	A603_45.2 S5 MX5SA4	330 A603_45.2 P132 BE132MB4	A603_45.2 P160 BX160MA4	331
33	2469	3.0	44.5	58400	A803_44.5 S4 ME4LB4	A803_44.5 S5 MX5SA4	337 A803_44.5 P132 BE132MB4	A803_44.5 P160 BX160MA4	338
35	2315	1.2	41.7	30000	A603_41.7 S4 ME4LB4	A603_41.7 S5 MX5SA4	330 A603_41.7 P132 BE132MB4	A603_41.7 P160 BX160MA4	331
38	2131	2.3	38.4	50000	A703_38.4 S4 ME4LB4	A703_38.4 S5 MX5SA4	334 A703_38.4 P132 BE132MB4	A703_38.4 P160 BX160MA4	335
41	1967	2.3	35.4	50000	A703_35.4 S4 ME4LB4	A703_35.4 S5 MX5SA4	334 A703_35.4 P132 BE132MB4	A703_35.4 P160 BX160MA4	335
42	1904	1.5	34.3	30000	A603_34.3 S4 ME4LB4	A603_34.3 S5 MX5SA4	330 A603_34.3 P132 BE132MB4	A603_34.3 P160 BX160MA4	331
46	1758	1.6	31.7	30000	A603_31.7 S4 ME4LB4	A603_31.7 S5 MX5SA4	330 A603_31.7 P132 BE132MB4	A603_31.7 P160 BX160MA4	331
48	1661	1.2	29.9	29100	A553_29.9 S4 ME4LB4	A553_29.9 S5 MX5SA4	326 A553_29.9 P132 BE132MB4	A553_29.9 P160 BX160MA4	327
52	1546	1.8	27.9	30000	A603_27.9 S4 ME4LB4	A603_27.9 S5 MX5SA4	330 A603_27.9 P132 BE132MB4	A603_27.9 P160 BX160MA4	331
55	1468	1.0	26.4	9130	A503_26.4 S4 ME4LB4	A503_26.4 S5 MX5SA4	322 A503_26.4 P132 BE132MB4	A503_26.4 P160 BX160MA4	323
56	1427	2.0	25.7	30000	A603_25.7 S4 ME4LB4	A603_25.7 S5 MX5SA4	330 A603_25.7 P132 BE132MB4	A603_25.7 P160 BX160MA4	331
60	1335	1.1	24.0	9370	A503_24.0 S4 ME4LB4	A503_24.0 S5 MX5SA4	322 A503_24.0 P132 BE132MB4	A503_24.0 P160 BX160MA4	323
61	1321	1.5	23.8	27900	A553_23.8 S4 ME4LB4	A553_23.8 S5 MX5SA4	326 A553_23.8 P132 BE132MB4	A553_23.8 P160 BX160MA4	327
68	1183	3.4	21.3	46000	A703_21.3 S4 ME4LB4	A703_21.3 S5 MX5SA4	334 A703_21.3 P132 BE132MB4	A703_21.3 P160 BX160MA4	335
69	1199	1.0	20.9	13000	A502_20.9 S4 ME4LB4	A502_20.9 S5 MX5SA4	322 A502_20.9 P132 BE132MB4	A502_20.9 P160 BX160MA4	323
70	1181	1.7	20.6	30000	A602_20.6 S4 ME4LB4	A602_20.6 S5 MX5SA4	330 A602_20.6 P132 BE132MB4	A602_20.6 P160 BX160MA4	331
74	1092	3.4	19.7	45100	A703_19.7 S4 ME4LB4	A703_19.7 S5 MX5SA4	334 A703_19.7 P132 BE132MB4	A703_19.7 P160 BX160MA4	335
75	1103	1.6	19.2	28400	A552_19.2 S4 ME4LB4	A552_19.2 S5 MX5SA4	326 A552_19.2 P132 BE132MB4	A552_19.2 P160 BX160MA4	327



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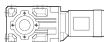



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE2	IE3		IE2	IE3	
87	960	2.1	16.7	30000	A602_16.7 S4 ME4LB4	A602_16.7 S5 MX5SA4	330	A602_16.7 P132 BE132MB4	A602_16.7 P160 BX160MA4	331
88	950	1.3	16.6	12500	A502_16.6 S4 ME4LB4	A502_16.6 S5 MX5SA4	322	A502_16.6 P132 BE132MB4	A502_16.6 P160 BX160MA4	323
92	899	2.0	15.7	27000	A552_15.7 S4 ME4LB4	A552_15.7 S5 MX5SA4	326	A552_15.7 P132 BE132MB4	A552_15.7 P160 BX160MA4	327
111	752	1.5	13.1	11900	A502_13.1 S4 ME4LB4	A502_13.1 S5 MX5SA4	322	A502_13.1 P132 BE132MB4	A502_13.1 P160 BX160MA4	323
111	750	2.4	13.1	25800	A552_13.1 S4 ME4LB4	A552_13.1 S5 MX5SA4	326	A552_13.1 P132 BE132MB4	A552_13.1 P160 BX160MA4	327
114	728	2.7	12.7	30000	A602_12.7 S4 ME4LB4	A602_12.7 S5 MX5SA4	330	A602_12.7 P132 BE132MB4	A602_12.7 P160 BX160MA4	331
123	651	2.5	23.8	24100	A553_23.8 S4 ME4LB2	A553_23.8 S5 ME4LB2	326	A553_23.8 P132 BE132MB2	A553_23.8 P160 BE132MB2	327
140	594	3.0	10.4	24200	A552_10.4 S4 ME4LB4	A552_10.4 S5 MX5SA4	326	A552_10.4 P132 BE132MB4	A552_10.4 P160 BX160MA4	327
141	592	3.4	10.3	30000	A602_10.3 S4 ME4LB4	A602_10.3 S5 MX5SA4	330	A602_10.3 P132 BE132MB4	A602_10.3 P160 BX160MA4	331
143	581	0.9	10.1	7340	A412_10.1 S4 ME4LB4	A502_9.7 S5 MX5SA4	318	A412_10.1 P132 BE132MB4	A502_9.7 P160 BX160MA4	319
149	558	1.8	9.7	11200	A502_9.7 S4 ME4LB4		322	A502_9.7 P132 BE132MB4		323
158	527	1.0	9.2	7250	A412_9.2 S4 ME4LB4		318	A412_9.2 P132 BE132MB4		319
174	478	1.2	8.3	7170	A412_8.3 S4 ME4LB4	A502_7.7 S5 MX5SA4	318	A412_8.3 P132 BE132MB4	A502_7.7 P160 BX160MA4	319
187	444	2.1	7.7	10600	A502_7.7 S4 ME4LB4		322	A502_7.7 P132 BE132MB4		323
204	408	1.3	7.1	7020	A412_7.1 S4 ME4LB4		318	A412_7.1 P132 BE132MB4		319
206	403	0.9	7.0	5110	A352_7.0 S4 ME4LB4		314	A352_7.0 P132 BE132MB4		315
226	368	1.0	6.4	5070	A352_6.4 S4 ME4LB4		314	A352_6.4 P132 BE132MB4		315
268	310	1.1	5.4	4980	A352_5.4 S4 ME4LB4		314	A352_5.4 P132 BE132MB4		315
276	301	1.8	5.2	6660	A412_5.2 S4 ME4LB4		318	A412_5.2 P132 BE132MB4		319
317	260	2.0	9.2	6480	A412_9.2 S4 ME4LB2		318	A412_9.2 P132 BE132MB2		319
377	219	3.4	7.7	8780	A502_7.7 S4 ME4LB2		322	A502_7.7 P132 BE132MB2		323
539	153	2.2	5.4	4410	A352_5.4 S4 ME4LB2		314	A352_5.4 P132 BE132MB2		315
557	148	3.0	5.2	5690	A412_5.2 S4 ME4LB2		318	A412_5.2 P132 BE132MB2		319

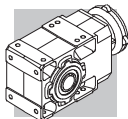
11 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N						
					IE2	IE3		IE2	IE3	
6.5	14510	1.0	226.4	75000	A904_226.4 S5 ME5SA4	A904_226.4 S5 MX5SB4	340	A904_226.4 P160 BE160M4	A904_226.4 P160 BX160MB4	341
7.0	13393	1.0	209.0	75000	A904_209.0 S5 ME5SA4	A904_209.0 S5 MX5SB4	340	A904_209.0 P160 BE160M4	A904_209.0 P160 BX160MB4	341
8.2	11533	1.2	180.0	75000	A904_180.0 S5 ME5SA4	A904_180.0 S5 MX5SB4	340	A904_180.0 P160 BE160M4	A904_180.0 P160 BX160MB4	341
8.8	10645	1.3	166.1	75000	A904_166.1 S5 ME5SA4	A904_166.1 S5 MX5SB4	340	A904_166.1 P160 BE160M4	A904_166.1 P160 BX160MB4	341
9.7	9894	1.4	151.0	75000	A903_151.0 S5 ME5SA4	A903_151.0 S5 MX5SB4	340	A903_151.0 P160 BE160M4	A903_151.0 P160 BX160MB4	341
10.5	9133	1.4	139.4	75000	A903_139.4 S5 ME5SA4	A903_139.4 S5 MX5SB4	340	A903_139.4 P160 BE160M4	A903_139.4 P160 BX160MB4	341
11.6	8298	1.6	126.6	75000	A903_126.6 S5 ME5SA4	A903_126.6 S5 MX5SB4	340	A903_126.6 P160 BE160M4	A903_126.6 P160 BX160MB4	341
11.7	8231	1.0	125.6	65000	A803_125.6 S5 ME5SA4	A803_125.6 S5 MX5SB4	337	A803_125.6 P160 BE160M4	A803_125.6 P160 BX160MB4	338
12.6	7660	1.8	116.9	75000	A903_116.9 S5 ME5SA4	A903_116.9 S5 MX5SB4	340	A903_116.9 P160 BE160M4	A903_116.9 P160 BX160MB4	341
12.7	7597	1.1	116.0	65000	A803_116.0 S5 ME5SA4	A803_116.0 S5 MX5SB4	337	A803_116.0 P160 BE160M4	A803_116.0 P160 BX160MB4	338
13.8	6999	2.0	106.8	75000	A903_106.8 S5 ME5SA4	A903_106.8 S5 MX5SB4	340	A903_106.8 P160 BE160M4	A903_106.8 P160 BX160MB4	341
14.1	6816	1.2	104.0	65000	A803_104.0 S5 ME5SA4	A803_104.0 S5 MX5SB4	337	A803_104.0 P160 BE160M4	A803_104.0 P160 BX160MB4	338
14.9	6460	2.2	98.6	75000	A903_98.6 S5 ME5SA4	A903_98.6 S5 MX5SB4	340	A903_98.6 P160 BE160M4	A903_98.6 P160 BX160MB4	341
15.3	6292	1.3	96.0	65000	A803_96.0 S5 ME5SA4	A803_96.0 S5 MX5SB4	337	A803_96.0 P160 BE160M4	A803_96.0 P160 BX160MB4	338
16.5	5843	1.4	89.2	65000	A803_89.2 S5 ME5SA4	A803_89.2 S5 MX5SB4	337	A803_89.2 P160 BE160M4	A803_89.2 P160 BX160MB4	338
16.9	5705	2.5	87.1	75000	A903_87.1 S5 ME5SA4	A903_87.1 S5 MX5SB4	340	A903_87.1 P160 BE160M4	A903_87.1 P160 BX160MB4	341
17.9	5394	1.5	82.3	64500	A803_82.3 S5 ME5SA4	A803_82.3 S5 MX5SB4	337	A803_82.3 P160 BE160M4	A803_82.3 P160 BX160MB4	338
18.3	5266	2.7	80.4	75000	A903_80.4 S5 ME5SA4	A903_80.4 S5 MX5SB4	340	A903_80.4 P160 BE160M4	A903_80.4 P160 BX160MB4	341
18.5	5198	1.0	79.3	50000	A703_79.3 S5 ME5SA4	A703_79.3 S5 MX5SB4	334	A703_79.3 P160 BE160M4	A703_79.3 P160 BX160MB4	335
19.7	4880	2.9	74.5	75000	A903_74.5 S5 ME5SA4	A903_74.5 S5 MX5SB4	340	A903_74.5 P160 BE160M4	A903_74.5 P160 BX160MB4	341
20.3	4752	1.1	72.5	50000	A703_72.5 S5 ME5SA4	A703_72.5 S5 MX5SB4	334	A703_72.5 P160 BE160M4	A703_72.5 P160 BX160MB4	335
20.3	4742	1.7	72.4	63200	A803_72.4 S5 ME5SA4	A803_72.4 S5 MX5SB4	337	A803_72.4 P160 BE160M4	A803_72.4 P160 BX160MB4	338
21.4	4505	3.1	68.8	75000	A903_68.8 S5 ME5SA4	A903_68.8 S5 MX5SB4	340	A903_68.8 P160 BE160M4	A903_68.8 P160 BX160MB4	341
22.0	4386	1.1	66.9	50000	A703_66.9 S5 ME5SA4	A703_66.9 S5 MX5SB4	334	A703_66.9 P160 BE160M4	A703_66.9 P160 BX160MB4	335

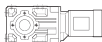




11 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE2	 IE3	 IE2	 IE3	
22.0	4377	1.8	66.8	62200	A803_66.8 S5 ME5SA4	A803_66.8 S5 MX5SB4	337	A803_66.8 P160 BE160M4	A803_66.8 P160 BX160MB4
24.6	3917	2.0	59.8	60900	A803_59.8 S5 ME5SA4	A803_59.8 S5 MX5SB4	337	A803_59.8 P160 BE160M4	A803_59.8 P160 BX160MB4
24.7	3906	3.6	59.6	75000	A903_59.6 S5 ME5SA4	A903_59.6 S5 MX5SB4	340	A903_59.6 P160 BE160M4	A903_59.6 P160 BX160MB4
25.5	3778	1.3	57.7	50000	A703_57.7 S5 ME5SA4	A703_57.7 S5 MX5SB4	334	A703_57.7 P160 BE160M4	A703_57.7 P160 BX160MB4
26.6	3615	2.2	55.2	59900	A803_55.2 S5 ME5SA4	A803_55.2 S5 MX5SB4	337	A803_55.2 P160 BE160M4	A803_55.2 P160 BX160MB4
27.6	3488	1.4	53.2	50000	A703_53.2 S5 ME5SA4	A703_53.2 S5 MX5SB4	334	A703_53.2 P160 BE160M4	A703_53.2 P160 BX160MB4
30	3210	1.6	49.0	50000	A703_49.0 S5 ME5SA4	A703_49.0 S5 MX5SB4	334	A703_49.0 P160 BE160M4	A703_49.0 P160 BX160MB4
31	3157	2.5	48.2	58300	A803_48.2 S5 ME5SA4	A803_48.2 S5 MX5SB4	337	A803_48.2 P160 BE160M4	A803_48.2 P160 BX160MB4
33	2964	1.6	45.2	50000	A703_45.2 S5 ME5SA4	A703_45.2 S5 MX5SB4	334	A703_45.2 P160 BE160M4	A703_45.2 P160 BX160MB4
33	2961	0.9	45.2	30000	A603_45.2 S5 ME5SA4	A603_45.2 S5 MX5SB4	330	A603_45.2 P160 BE160M4	A603_45.2 P160 BX160MB4
33	2914	2.6	44.5	57300	A803_44.5 S5 ME5SA4	A803_44.5 S5 MX5SB4	337	A803_44.5 P160 BE160M4	A803_44.5 P160 BX160MB4
35	2733	1.0	41.7	30000	A603_41.7 S5 ME5SA4	A603_41.7 S5 MX5SB4	330	A603_41.7 P160 BE160M4	A603_41.7 P160 BX160MB4
38	2523	3.0	38.5	55500	A703_38.4 S5 ME5SA4	A703_38.4 S5 MX5SB4	334	A803_38.5 P160 BE160M4	A803_38.5 P160 BX160MB4
38	2515	1.9	38.4	50000		A703_38.4 P160 BE160M4	A703_38.4 P160 BX160MB4		
41	2328	3.0	35.5	54500		A803_35.5 P160 BE160M4	A803_35.5 P160 BX160MB4		
41	2321	1.9	35.4	50000		A703_35.4 P160 BE160M4	A703_35.4 P160 BX160MB4		
43	2247	1.2	34.3	30000	A603_34.3 S5 ME5SA4	A603_34.3 S5 MX5SB4	330	A603_34.3 P160 BE160M4	A603_34.3 P160 BX160MB4
46	2074	1.3	31.7	30000	A603_31.7 S5 ME5SA4	A603_31.7 S5 MX5SB4	330	A603_31.7 P160 BE160M4	A603_31.7 P160 BX160MB4
48	2003	3.2	30.6	52600	A553_29.9 S5 ME5SA4	A553_29.9 S5 MX5SB4	326	A803_30.6 P160 BE160M4	A803_30.6 P160 BX160MB4
49	1972	2.3	30.1	49400			A703_30.1 P160 BE160M4	A703_30.1 P160 BX160MB4	
49	1961	1.0	29.9	28200			A553_29.9 P160 BE160M4	A553_29.9 P160 BX160MB4	
52	1849	3.6	28.2	51600	A603_27.9 S5 ME5SA4	A603_27.9 S5 MX5SB4	330	A803_28.2 P160 BE160M4	A803_28.2 P160 BX160MB4
53	1825	1.5	27.9	30000			A603_27.9 P160 BE160M4	A603_27.9 P160 BX160MB4	
53	1820	2.3	27.8	48500			A703_27.8 P160 BE160M4	A703_27.8 P160 BX160MB4	
57	1685	1.7	25.7	30000			A603_25.7 P160 BE160M4	A603_25.7 P160 BX160MB4	
61	1576	1.0	24.0	7800	A503_24.0 S5 ME5SA4	A503_24.0 S5 MX5SB4	322	A503_24.0 P160 BE160M4	A503_24.0 P160 BX160MB4
62	1559	1.3	23.8	26000	A553_23.8 S5 ME5SA4	A553_23.8 S5 MX5SB4	326	A553_23.8 P160 BE160M4	A553_23.8 P160 BX160MB4
63	1541	2.8	23.5	46600	A703_21.3 S5 ME5SA4	A703_21.3 S5 MX5SB4	334	A703_23.5 P160 BE160M4	A703_23.5 P160 BX160MB4
69	1396	2.9	21.3	45500			A703_21.3 P160 BE160M4	A703_21.3 P160 BX160MB4	
70	1416	0.8	20.9				A502_20.9 P160 BE160M4	A502_20.9 P160 BX160MB4	
71	1394	1.4	20.6	30000			A602_20.6 P160 BE160M4	A602_20.6 P160 BX160MB4	
75	1288	2.9	19.7	44500	A703_19.7 S5 ME5SA4	A703_19.7 S5 MX5SB4	334	A703_19.7 P160 BE160M4	A703_19.7 P160 BX160MB4
76	1302	1.4	19.2	27900	A552_19.2 S5 ME5SA4	A552_19.2 S5 MX5SB4	326	A552_19.2 P160 BE160M4	A552_19.2 P160 BX160MB4
88	1133	1.8	16.7	30000	A602_16.7 S5 ME5SA4	A602_16.7 S5 MX5SB4	330	A602_16.7 P160 BE160M4	A602_16.7 P160 BX160MB4
89	1121	1.1	16.6	12000	A502_16.6 S5 ME5SA4	A502_16.6 S5 MX5SB4	322	A502_16.6 P160 BE160M4	A502_16.6 P160 BX160MB4
94	1061	1.7	15.7	26600	A552_15.7 S5 ME5SA4	A552_15.7 S5 MX5SB4	326	A552_15.7 P160 BE160M4	A552_15.7 P160 BX160MB4
112	887	1.2	13.1	11500	A502_13.1 S5 ME5SA4	A502_13.1 S5 MX5SB4	322	A502_13.1 P160 BE160M4	A502_13.1 P160 BX160MB4
112	885	2.0	13.1	25400	A552_13.1 S5 ME5SA4	A552_13.1 S5 MX5SB4	326	A552_13.1 P160 BE160M4	A552_13.1 P160 BX160MB4
116	860	2.3	12.7	30000	A602_12.7 S5 ME5SA4	A602_12.7 S5 MX5SB4	330	A602_12.7 P160 BE160M4	A602_12.7 P160 BX160MB4
124	773	2.1	23.8	23600	A553_23.8 S5 ME5SA2		326	A553_23.8 P160 BE160MA2	
142	701	2.6	10.4	24000	A552_10.4 S5 ME5SA4	A552_10.4 S5 MX5SB4	326	A552_10.4 P160 BE160M4	A552_10.4 P160 BX160MB4
143	698	2.9	10.3	30000	A602_10.3 S5 ME5SA4	A602_10.3 S5 MX5SB4	330	A602_10.3 P160 BE160M4	A602_10.3 P160 BX160MB4
151	659	1.5	9.7	10800	A502_9.7 S5 ME5SA4	A502_9.7 S5 MX5SB4	322	A502_9.7 P160 BE160M4	A502_9.7 P160 BX160MB4
174	573	3.1	8.5	22800	A552_8.5 S5 ME5SA4	A552_8.5 S5 MX5SB4	326	A552_8.5 P160 BE160M4	A552_8.5 P160 BX160MB4
190	524	1.8	7.7	10300	A502_7.7 S5 ME5SA4	A502_7.7 S5 MX5SB4	322	A502_7.7 P160 BE160M4	A502_7.7 P160 BX160MB4
224	440	2.0	13.1	9920	A502_13.1 S5 ME5SA2		322	A502_13.1 P160 BE160MA2	
380	260	2.8	7.7	8650	A502_7.7 S5 ME5SA2		322	A502_7.7 P160 BE160MA2	

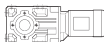




15 kW




n ₂	M ₂	S	i	R _{n2}							
min ⁻¹	Nm			N	IE2	IE3		IE2	IE3		
8.2	15697	0.9	180.0	75000	A904_180.0 S5 ME5LA4	A904_180.0 S5 MX5LA4	340	A904_180.0 P160 BE160L4	A904_180.0 P160 BX160L4	341	
8.8	14490	1.0	166.1	75000	A904_166.1 S5 ME5LA4	A904_166.1 S5 MX5LA4	340	A904_166.1 P160 BE160L4	A904_166.1 P160 BX160L4	341	
9.7	13467	1.0	151.0	75000	A903_151.0 S5 ME5LA4	A903_151.0 S5 MX5LA4	340	A903_151.0 P160 BE160L4	A903_151.0 P160 BX160L4	341	
10.5	12431	1.0	139.4	75000	A903_139.4 S5 ME5LA4	A903_139.4 S5 MX5LA4	340	A903_139.4 P160 BE160L4	A903_139.4 P160 BX160L4	341	
11.6	11294	1.2	126.6	75000	A903_126.6 S5 ME5LA4	A903_126.6 S5 MX5LA4	340	A903_126.6 P160 BE160L4	A903_126.6 P160 BX160L4	341	
12.6	10426	1.3	116.9	75000	A903_116.9 S5 ME5LA4	A903_116.9 S5 MX5LA4	340	A903_116.9 P160 BE160L4	A903_116.9 P160 BX160L4	341	
13.8	9526	1.5	106.8	75000	A903_106.8 S5 ME5LA4	A903_106.8 S5 MX5LA4	340	A903_106.8 P160 BE160L4	A903_106.8 P160 BX160L4	341	
14.9	8793	1.6	98.6	75000	A903_98.6 S5 ME5LA4	A903_98.6 S5 MX5LA4	340	A903_98.6 P160 BE160L4	A903_98.6 P160 BX160L4	341	
15.3	8564	0.9	96.0	60600	A803_96.0 S5 ME5LA4	A803_96.0 S5 MX5LA4	337	A803_96.0 P160 BE160L4	A803_96.0 P160 BX160L4	338	
16.5	7953	1.0	89.2	60400	A803_89.2 S5 ME5LA4	A803_89.2 S5 MX5LA4	337	A803_89.2 P160 BE160L4	A803_89.2 P160 BX160L4	338	
16.9	7765	1.8	87.1	75000	A903_87.1 S5 ME5LA4	A903_87.1 S5 MX5LA4	340	A903_87.1 P160 BE160L4	A903_87.1 P160 BX160L4	341	
17.9	7341	1.1	82.3	59800	A803_82.3 S5 ME5LA4	A803_82.3 S5 MX5LA4	337	A803_82.3 P160 BE160L4	A803_82.3 P160 BX160L4	338	
18.3	7168	2.0	80.4	75000	A903_80.4 S5 ME5LA4	A903_80.4 S5 MX5LA4	340	A903_80.4 P160 BE160L4	A903_80.4 P160 BX160L4	341	
19.7	6642	2.1	74.5	75000	A903_74.5 S5 ME5LA4	A903_74.5 S5 MX5LA4	340	A903_74.5 P160 BE160L4	A903_74.5 P160 BX160L4	341	
20.3	6454	1.2	72.4	59100	A803_72.4 S5 ME5LA4	A803_72.4 S5 MX5LA4	337	A803_72.4 P160 BE160L4	A803_72.4 P160 BX160L4	338	
21.4	6131	2.3	68.8	75000	A903_68.8 S5 ME5LA4	A903_68.8 S5 MX5LA4	340	A903_68.8 P160 BE160L4	A903_68.8 P160 BX160L4	341	
22.0	5957	1.3	66.8	58300	A803_66.8 S5 ME5LA4	A803_66.8 S5 MX5LA4	337	A803_66.8 P160 BE160L4	A803_66.8 P160 BX160L4	338	
24.6	5331	1.5	59.8	57500	A803_59.8 S5 ME5LA4	A803_59.8 S5 MX5LA4	337	A803_59.8 P160 BE160L4	A803_59.8 P160 BX160L4	338	
24.7	5317	2.6	59.6	75000	A903_59.6 S5 ME5LA4	A903_59.6 S5 MX5LA4	340	A903_59.6 P160 BE160L4	A903_59.6 P160 BX160L4	341	
25.5	5143	1.0	57.7	50000	A703_57.7 S5 ME5LA4	A703_57.7 S5 MX5LA4	334	A703_57.7 P160 BE160L4	A703_57.7 P160 BX160L4	335	
26.6	4921	1.6	55.2	56700	A803_55.2 S5 ME5LA4	A803_55.2 S5 MX5LA4	337	A803_55.2 P160 BE160L4	A803_55.2 P160 BX160L4	338	
26.7	4908	2.9	55.0	75000	A903_55.0 S5 ME5LA4	A903_55.0 S5 MX5LA4	340	A903_55.0 P160 BE160L4	A903_55.0 P160 BX160L4	341	
27.6	4747	1.1	53.2	50000	A703_53.2 S5 ME5LA4	A703_53.2 S5 MX5LA4	334	A703_53.2 P160 BE160L4	A703_53.2 P160 BX160L4	335	
30	4370	1.1	49.0	50000	A703_49.0 S5 ME5LA4	A703_49.0 S5 MX5LA4	334	A703_49.0 P160 BE160L4	A703_49.0 P160 BX160L4	335	
30	4307	3.3	48.3	74900				A903_48.3 P160 BE160L4	A903_48.3 P160 BX160L4	341	
31	4297	1.9	48.2	55500	A803_48.2 S5 ME5LA4	A803_48.2 S5 MX5LA4	337	A803_48.2 P160 BE160L4	A803_48.2 P160 BX160L4	338	
33	4034	1.2	45.2	50000	A703_45.2 S5 ME5LA4	A703_45.2 S5 MX5LA4	334	A703_45.2 P160 BE160L4	A703_45.2 P160 BX160L4	335	
33	3976	3.5	44.6	73500				A903_44.6 P160 BE160L4	A903_44.6 P160 BX160L4	341	
33	3966	1.9	44.5	54700	A803_44.5 S5 ME5LA4	A803_44.5 S5 MX5LA4	337	A803_44.5 P160 BE160L4	A803_44.5 P160 BX160L4	338	
38	3433	2.2	38.5	53200				A803_38.5 P160 BE160L4	A803_38.5 P160 BX160L4	338	
38	3423	1.4	38.4	49900	A703_38.4 S5 ME5LA4	A703_38.4 S5 MX5LA4	334	A703_38.4 P160 BE160L4	A703_38.4 P160 BX160L4	335	
41	3169	2.2	35.5	52300				A803_35.5 P160 BE160L4	A803_35.5 P160 BX160L4	338	
41	3160	1.4	35.4	49100	A703_35.4 S5 ME5LA4	A703_35.4 S5 MX5LA4	334	A703_35.4 P160 BE160L4	A703_35.4 P160 BX160L4	335	
43	3059	0.9	34.3	30000	A603_34.3 S5 ME5LA4	A603_34.3 S5 MX5LA4	330	A603_34.3 P160 BE160L4	A603_34.3 P160 BX160L4	331	
46	2824	1.0	31.7	30000	A603_31.7 S5 ME5LA4	A603_31.7 S5 MX5LA4	330	A603_31.7 P160 BE160L4	A603_31.7 P160 BX160L4	331	
48	2727	2.4	30.6	50800				A803_30.6 P160 BE160L4	A803_30.6 P160 BX160L4	338	
49	2684	1.7	30.1	47600				A703_30.1 P160 BE160L4	A703_30.1 P160 BX160L4	335	
52	2517	2.6	28.2	49900				A803_28.2 P160 BE160L4	A803_28.2 P160 BX160L4	338	
53	2484	1.1	27.9	30000	A603_27.9 S5 ME5LA4	A603_27.9 S5 MX5LA4	330	A603_27.9 P160 BE160L4	A603_27.9 P160 BX160L4	331	
53	2478	1.7	27.8	46700				A703_27.8 P160 BE160L4	A703_27.8 P160 BX160L4	335	
57	2293	1.2	25.7	30000	A603_25.7 S5 ME5LA4	A603_25.7 S5 MX5LA4	330	A603_25.7 P160 BE160L4	A603_25.7 P160 BX160L4	331	
62	2122	0.9	23.8	22600	A553_23.8 S5 ME5LA4	A553_23.8 S5 MX5LA4	326	A553_23.8 P160 BE160L4	A553_23.8 P160 BX160L4	327	
63	2098	2.1	23.5	45100				A703_23.5 P160 BE160L4	A703_23.5 P160 BX160L4	335	
69	1900	2.1	21.3	44100	A703_21.3 S5 ME5LA4	A703_21.3 S5 MX5LA4	334	A703_21.3 P160 BE160L4	A703_21.3 P160 BX160L4	335	
70	1868	3.5	20.9	46600	A803_20.9 S5 ME5LA4	A803_20.9 S5 MX5LA4	337	A803_20.9 P160 BE160L4	A803_20.9 P160 BX160L4	338	
71	1897	1.1	20.6	30000	A602_20.6 S5 ME5LA4	A602_20.6 S5 MX5LA4	330	A602_20.6 P160 BE160L4	A602_20.6 P160 BX160L4	331	
75	1754	2.1	19.7	43300	A703_19.7 S5 ME5LA4	A703_19.7 S5 MX5LA4	334	A703_19.7 P160 BE160L4	A703_19.7 P160 BX160L4	335	
76	1725	3.5	19.3	45700	A803_19.3 S5 ME5LA4	A803_19.3 S5 MX5LA4	337	A803_19.3 P160 BE160L4	A803_19.3 P160 BX160L4	338	
76	1772	1.0	19.2	26800	A552_19.2 S5 ME5LA4	A552_19.2 S5 MX5LA4	326	A552_19.2 P160 BE160L4	A552_19.2 P160 BX160L4	327	
88	1542	1.3	16.7	30000	A602_16.7 S5 ME5LA4	A602_16.7 S5 MX5LA4	330	A602_16.7 P160 BE160L4	A602_16.7 P160 BX160L4	331	
88	1488	2.7	16.7	41600	A703_16.7 S5 ME5LA4	A703_16.7 S5 MX5LA4	334	A703_16.7 P160 BE160L4	A703_16.7 P160 BX160L4	335	
94	1444	1.2	15.7	25700	A552_15.7 S5 ME5LA4	A552_15.7 S5 MX5LA4	326	A552_15.7 P160 BE160L4	A552_15.7 P160 BX160L4	327	
95	1374	2.7	15.4	40800	A703_15.4 S5 ME5LA4	A703_15.4 S5 MX5LA4	334	A703_15.4 P160 BE160L4	A703_15.4 P160 BX160L4	335	
112	1207	0.9	13.1	10500	A502_13.1 S5 ME5LA4	A502_13.1 S5 MX5LA4	322	A502_13.1 P160 BE160L4	A502_13.1 P160 BX160L4	323	
112	1167	3.3	13.1	39200				A703_13.1 P160 BE160L4	A703_13.1 P160 BX160L4	335	
112	1205	1.5	13.1	24700	A552_13.1 S5 ME5LA4	A552_13.1 S5 MX5LA4	326	A552_13.1 P160 BE160L4	A552_13.1 P160 BX160L4	327	
116	1170	1.7	12.7	30000	A602_12.7 S5 ME5LA4	A602_12.7 S5 MX5LA4	330	A602_12.7 P160 BE160L4	A602_12.7 P160 BX160L4	331	
122	1077	3.3	12.1	38400				A703_12.1 P160 BE160L4	A703_12.1 P160 BX160L4	335	
142	954	1.9	10.4	23400	A552_10.4 S5 ME5LA4	A552_10.4 S5 MX5LA4	326	A552_10.4 P160 BE160L4	A552_10.4 P160 BX160L4	327	
143	950	2.1	10.3	30000	A602_10.3 S5 ME5LA4	A602_10.3 S5 MX5LA4	330	A602_10.3 P160 BE160L4	A602_10.3 P160 BX160L4	331	
151	897	1.1	9.7	10100	A502_9.7 S5 ME5LA4	A502_9.7 S5 MX5LA4	322	A502_9.7 P160 BE160L4	A502_9.7 P160 BX160L4	323	
174	779	2.3	8.5	22200	A552_8.5 S5 ME5LA4	A552_8.5 S5 MX5LA4	326	A552_8.5 P160 BE160L4	A552_8.5 P160 BX160L4	327	
187	724	2.8	7.9	28300	A602_7.9 S5 ME5LA4	A602_7.9 S5 MX5LA4	330	A602_7.9 P160 BE160L4	A602_7.9 P160 BX160L4	331	



15 kW

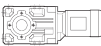



n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N					
					IE2	IE3	IE2	IE3	
190	713	1.3	7.7	9750	A502_7.7 S5 ME5LA4	A502_7.7 S5 MX5LA4	322 A502_7.7 P160 BE160L4	A502_7.7 P160 BX160L4	323
229	591	2.9	6.4	20700	A552_6.4 S5 ME5LA4	A552_6.4 S5 MX5LA4	326 A552_6.4 P160 BE160L4	A552_6.4 P160 BX160L4	327
297	456	3.5	4.9	19400	A552_4.9 S5 ME5LA4	A552_4.9 S5 MX5LA4	326 A552_4.9 P160 BE160L4	A552_4.9 P160 BX160L4	327
302	446	1.8	9.7	8830	A502_9.7 S5 ME5SB2		322 A502_9.7 P160 BE160MB2		323
380	354	2.1	7.7	8350	A502_7.7 S5 ME5SB2		322 A502_7.7 P160 BE160MB2		323

18.5 kW

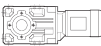



n2	M2	S	i	Rn2					
min-1	Nm			N	IE2	IE3	IE2	IE3	
11.6	13830	1.0	126.6	75000			A903_126.6 P180 BE180M4	A903_126.6 P180 BX180M4	341
12.6	12766	1.1	116.9	75000			A903_116.9 P180 BE180M4	A903_116.9 P180 BX180M4	341
13.8	11665	1.2	106.8	75000			A903_106.8 P180 BE180M4	A903_106.8 P180 BX180M4	341
14.9	10767	1.3	98.6	75000			A903_98.6 P180 BE180M4	A903_98.6 P180 BX180M4	341
16.9	9508	1.5	87.1	75000			A903_87.1 P180 BE180M4	A903_87.1 P180 BX180M4	341
18.3	8777	1.6	80.4	75000			A903_80.4 P180 BE180M4	A903_80.4 P180 BX180M4	341
19.7	8133	1.7	74.5	75000			A903_74.5 P180 BE180M4	A903_74.5 P180 BX180M4	341
20.3	7903	1.0	72.4	55600			A803_72.4 P180 BE180M4	A803_72.4 P180 BX180M4	338
21.4	7508	1.9	68.8	75000			A903_68.8 P180 BE180M4	A903_68.8 P180 BX180M4	341
22.0	7295	1.1	66.8	55100			A803_66.8 P180 BE180M4	A803_66.8 P180 BX180M4	338
24.6	6528	1.2	59.8	54700			A803_59.8 P180 BE180M4	A803_59.8 P180 BX180M4	338
24.7	6510	2.2	59.6	75000			A903_59.6 P180 BE180M4	A903_59.6 P180 BX180M4	341
26.6	6026	1.3	55.2	54100			A803_55.2 P180 BE180M4	A803_55.2 P180 BX180M4	338
26.7	6009	2.3	55.0	74900			A903_55.0 P180 BE180M4	A903_55.0 P180 BX180M4	341
30	5351	0.9	49.0	49600			A703_49.0 P180 BE180M4	A703_49.0 P180 BX180M4	335
30	5274	2.7	48.3	73100			A903_48.3 P180 BE180M4	A903_48.3 P180 BX180M4	341
31	5262	1.5	48.2	53200			A803_48.2 P180 BE180M4	A803_48.2 P180 BX180M4	338
33	4939	1.0	45.2	49000			A703_45.2 P180 BE180M4	A703_45.2 P180 BX180M4	335
33	4869	2.9	44.6	71800			A903_44.6 P180 BE180M4	A903_44.6 P180 BX180M4	341
33	4857	1.5	44.5	52500			A803_44.5 P180 BE180M4	A803_44.5 P180 BX180M4	338
38	4238	3.3	38.8	69700			A903_38.8 P180 BE180M4	A903_38.8 P180 BX180M4	341
38	4204	1.8	38.5	51400			A803_38.5 P180 BE180M4	A803_38.5 P180 BX180M4	338
38	4191	1.2	38.4	48000			A703_38.4 P180 BE180M4	A703_38.4 P180 BX180M4	335
41	3912	3.5	35.8	68500			A903_35.8 P180 BE180M4	A903_35.8 P180 BX180M4	341
41	3881	1.8	35.5	50600			A803_35.5 P180 BE180M4	A803_35.5 P180 BX180M4	338
41	3869	1.2	35.4	47300			A703_35.4 P180 BE180M4	A703_35.4 P180 BX180M4	335
48	3339	1.9	30.6	49300			A803_30.6 P180 BE180M4	A803_30.6 P180 BX180M4	338
49	3287	1.4	30.1	46100			A703_30.1 P180 BE180M4	A703_30.1 P180 BX180M4	335
52	3082	2.1	28.2	48500			A803_28.2 P180 BE180M4	A803_28.2 P180 BX180M4	338
53	3042	0.9	27.9	30000			A603_27.9 P180 BE180M4	A603_27.9 P180 BX180M4	331
53	3034	1.4	27.8	45300			A703_27.8 P180 BE180M4	A703_27.8 P180 BX180M4	335
57	2808	1.0	25.7	30000			A603_25.7 P180 BE180M4	A603_25.7 P180 BX180M4	331
60	2675	2.5	24.5	47200			A803_24.5 P180 BE180M4	A803_24.5 P180 BX180M4	338
63	2568	1.7	23.5	43900			A703_23.5 P180 BE180M4	A703_23.5 P180 BX180M4	335
65	2470	2.5	22.6	46300			A803_22.6 P180 BE180M4	A803_22.6 P180 BX180M4	338
69	2326	1.7	21.3	43000			A703_21.3 P180 BE180M4	A703_21.3 P180 BX180M4	335
70	2288	2.9	20.9	45600			A803_20.9 P180 BE180M4	A803_20.9 P180 BX180M4	338
71	2323	0.9	20.6	30000			A602_20.6 P180 BE180M4	A602_20.6 P180 BX180M4	331
75	2147	1.7	19.7	42300			A703_19.7 P180 BE180M4	A703_19.7 P180 BX180M4	335
76	2112	2.9	19.3	44800			A803_19.3 P180 BE180M4	A803_19.3 P180 BX180M4	338
88	1888	1.1	16.7	30000			A602_16.7 P180 BE180M4	A602_16.7 P180 BX180M4	331
88	1822	2.2	16.7	40800			A703_16.7 P180 BE180M4	A703_16.7 P180 BX180M4	335
94	1769	1.0	15.7	25000			A552_15.7 P180 BE180M4	A552_15.7 P180 BX180M4	327
95	1682	2.2	15.4	40100			A703_15.4 P180 BE180M4	A703_15.4 P180 BX180M4	335



18.5 kW

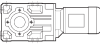


n ₂ min-1	M ₂ Nm	S	i	R _{n2} N					
					IE2	IE3	IE2	IE3	
112	1429	2.7	13.1	38600	A553_23.8 S5 ME5LA2	326	A703_13.1 P180 BE180M4	A703_13.1 P180 BX180M4	335
112	1475	1.2	13.1	24100			A552_13.1 P180 BE180M4	A552_13.1 P180 BX180M4	327
116	1433	1.4	12.7	30000			A602_12.7 P180 BE180M4	A602_12.7 P180 BX180M4	331
122	1319	2.7	12.1	37800			A703_12.1 P180 BE180M4	A703_12.1 P180 BX180M4	335
124	1299	1.2	23.8	21600			A553_23.8 P160 BE160L2		327
142	1168	1.5	10.4	22900			A552_10.4 P180 BE180M4	A552_10.4 P180 BX180M4	327
143	1164	1.7	10.3	29900	A502_7.7 S5 ME5LA2	322	A602_10.3 P180 BE180M4	A602_10.3 P180 BX180M4	331
144	1117	2.9	10.2	36300			A703_10.2 P180 BE180M4	A703_10.2 P180 BX180M4	335
151	1098	0.9	9.7	9530			A502_9.7 P180 BE180M4	A502_9.7 P180 BX180M4	323
156	1031	2.9	9.4	35600			A703_9.4 P180 BE180M4	A703_9.4 P180 BX180M4	335
174	954	1.9	8.5	21900			A552_8.5 P180 BE180M4	A552_8.5 P180 BX180M4	327
187	887	2.3	7.9	27900			A602_7.9 P180 BE180M4	A602_7.9 P180 BX180M4	331
190	873	1.1	7.7	9260	A502_7.7 S5 ME5LA2	322	A502_7.7 P180 BE180M4	A502_7.7 P180 BX180M4	323
229	723	2.4	6.4	20400			A552_6.4 P180 BE180M4	A552_6.4 P180 BX180M4	327
297	558	2.9	4.9	19100			A552_4.9 P180 BE180M4	A552_4.9 P180 BX180M4	327
381	436	1.7	7.7	8100			A502_7.7 P160 BE160L2		323

22 kW

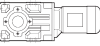


n ₂ min-1	M ₂ Nm	S	i	R _{n2} N			 IEC		
					IE2	IE3	IE2	IE3	
12.6	15213	0.9	116.9	75000			A903_116.9 P180 BE180L4	A903_116.9 P180 BX180L4	341
13.8	13900	1.0	106.8	75000			A903_106.8 P180 BE180L4	A903_106.8 P180 BX180L4	341
14.9	12831	1.1	98.6	75000			A903_98.6 P180 BE180L4	A903_98.6 P180 BX180L4	341
16.9	11330	1.2	87.1	75000			A903_87.1 P180 BE180L4	A903_87.1 P180 BX180L4	341
18.3	10459	1.3	80.4	75000			A903_80.4 P180 BE180L4	A903_80.4 P180 BX180L4	341
19.7	9692	1.4	74.5	75000			A903_74.5 P180 BE180L4	A903_74.5 P180 BX180L4	341
21.4	8947	1.6	68.8	75000			A903_68.8 P180 BE180L4	A903_68.8 P180 BX180L4	341
22.0	8693	0.9	66.8	51900			A803_66.8 P180 BE180L4	A803_66.8 P180 BX180L4	338
24.6	7779	1.0	59.8	51800			A803_59.8 P180 BE180L4	A803_59.8 P180 BX180L4	338
24.7	7758	1.8	59.6	73800			A903_59.6 P180 BE180L4	A903_59.6 P180 BX180L4	341
26.6	7181	1.1	55.2	51400			A803_55.2 P180 BE180L4	A803_55.2 P180 BX180L4	338
26.7	7161	2.0	55.0	72700			A903_55.0 P180 BE180L4	A903_55.0 P180 BX180L4	341
30	6285	2.2	48.3	71100			A903_48.3 P180 BE180L4	A903_48.3 P180 BX180L4	341
31	6270	1.3	48.2	50900			A803_48.2 P180 BE180L4	A803_48.2 P180 BX180L4	338
33	5802	2.4	44.6	70000			A903_44.6 P180 BE180L4	A903_44.6 P180 BX180L4	341
33	5788	1.3	44.5	50300			A803_44.5 P180 BE180L4	A803_44.5 P180 BX180L4	338
38	5050	2.8	38.8	68100			A903_38.8 P180 BE180L4	A903_38.8 P180 BX180L4	341
38	5010	1.5	38.5	49500			A803_38.5 P180 BE180L4	A803_38.5 P180 BX180L4	338
38	4995	1.0	38.4	46000			A703_38.4 P180 BE180L4	A703_38.4 P180 BX180L4	335
41	4662	2.9	35.8	67000			A903_35.8 P180 BE180L4	A903_35.8 P180 BX180L4	341
41	4625	1.5	35.5	48900			A803_35.5 P180 BE180L4	A803_35.5 P180 BX180L4	338
41	4611	1.0	35.4	45500			A703_35.4 P180 BE180L4	A703_35.4 P180 BX180L4	335
47	4099	3.4	31.5	65200			A903_31.5 P180 BE180L4	A903_31.5 P180 BX180L4	341
48	3979	1.6	30.6	47800			A803_30.6 P180 BE180L4	A803_30.6 P180 BX180L4	338
49	3917	1.2	30.1	44500			A703_30.1 P180 BE180L4	A703_30.1 P180 BX180L4	335
51	3784	3.4	29.1	64000			A903_29.1 P180 BE180L4	A903_29.1 P180 BX180L4	341
52	3673	1.8	28.2	47100			A803_28.2 P180 BE180L4	A803_28.2 P180 BX180L4	338
53	3616	1.2	27.8	43900			A703_27.8 P180 BE180L4	A703_27.8 P180 BX180L4	335
60	3188	2.1	24.5	45900			A803_24.5 P180 BE180L4	A803_24.5 P180 BX180L4	338
63	3061	1.4	23.5	42700			A703_23.5 P180 BE180L4	A703_23.5 P180 BX180L4	335
65	2943	2.1	22.6	45200			A803_22.6 P180 BE180L4	A803_22.6 P180 BX180L4	338



22 kW

n ₂ min-1	M ₂ Nm	S	i	R _{n2} N			 IEC 	
					IE2	IE3	IE2	IE3
69	2772	1.4	21.3	41900			A703_21.3 P180 BE180L4	A703_21.3 P180 BX180L4
70	2726	2.4	20.9	44600			A803_20.9 P180 BE180L4	A803_20.9 P180 BX180L4
75	2559	1.4	19.7	41200			A703_19.7 P180 BE180L4	A703_19.7 P180 BX180L4
76	2516	2.4	19.3	43800			A803_19.3 P180 BE180L4	A803_19.3 P180 BX180L4
88	2178	3.0	16.7	42500			A803_16.7 P180 BE180L4	A803_16.7 P180 BX180L4
88	2250	0.9	16.7	30000			A602_16.7 P180 BE180L4	A602_16.7 P180 BX180L4
88	2172	1.8	16.7	39900			A703_16.7 P180 BE180L4	A703_16.7 P180 BX180L4
95	2011	3.0	15.5	41700			A803_15.5 P180 BE180L4	A803_15.5 P180 BX180L4
95	2005	1.8	15.4	39200			A703_15.4 P180 BE180L4	A703_15.4 P180 BX180L4
112	1703	2.3	13.1	37900			A703_13.1 P180 BE180L4	A703_13.1 P180 BX180L4
112	1758	1.0	13.1	23500			A552_13.1 P180 BE180L4	A552_13.1 P180 BX180L4
116	1708	1.2	12.7	30000			A602_12.7 P180 BE180L4	A602_12.7 P180 BX180L4
122	1572	2.3	12.1	37200			A703_12.1 P180 BE180L4	A703_12.1 P180 BX180L4
142	1392	1.3	10.4	22400			A552_10.4 P180 BE180L4	A552_10.4 P180 BX180L4
143	1387	1.4	10.3	29300			A602_10.3 P180 BE180L4	A602_10.3 P180 BX180L4
144	1331	2.4	10.2	35800			A703_10.2 P180 BE180L4	A703_10.2 P180 BX180L4
156	1228	2.4	9.4	35100			A703_9.4 P180 BE180L4	A703_9.4 P180 BX180L4
174	1137	1.6	8.5	21400			A552_8.5 P180 BE180L4	A552_8.5 P180 BX180L4
187	1057	1.9	7.9	27500			A602_7.9 P180 BE180L4	A602_7.9 P180 BX180L4
190	1040	0.9	7.7	8760			A502_7.7 P180 BE180L4	A502_7.7 P180 BX180L4
229	862	2.0	6.4	20100			A552_6.4 P180 BE180L4	A552_6.4 P180 BX180L4
297	665	2.4	4.9	18900			A552_4.9 P180 BE180L4	A552_4.9 P180 BX180L4

30 kW

n ₂ min-1	M ₂ Nm	S	i	R _{n2} N			 IEC 	
					IE...		IE2*	IE3
16.8	15556	0.9	87.1	70100			A903_87.1 P200 IEC200L4	A903_87.1 P200 BX200LA4
18.2	14360	1.0	80.4	70000			A903_80.4 P200 IEC200L4	A903_80.4 P200 BX200LA4
19.6	13307	1.1	74.5	69700			A903_74.5 P200 IEC200L4	A903_74.5 P200 BX200LA4
21.2	12283	1.1	68.8	69200			A903_68.8 P200 IEC200L4	A903_68.8 P200 BX200LA4
24.5	10651	1.3	59.6	68500			A903_59.6 P200 IEC200L4	A903_59.6 P200 BX200LA4
26.5	9832	1.4	55.0	67800			A903_55.0 P200 IEC200L4	A903_55.0 P200 BX200LA4
30.0	8630	1.6	48.3	66900			A903_48.3 P200 IEC200L4	A903_48.3 P200 BX200LA4
30	8609	0.9	48.2	45700			A803_48.2 P200 IEC200L4	A803_48.2 P200 BX200LA4
33	7966	1.8	44.6	66000			A903_44.6 P200 IEC200L4	A903_44.6 P200 BX200LA4
33	7946	0.9	44.5	45500			A803_44.5 P200 IEC200L4	A803_44.5 P200 BX200LA4
38	6934	2.0	38.8	64700			A903_38.8 P200 IEC200L4	A903_38.8 P200 BX200LA4
38	6879	1.1	38.5	45300			A803_38.5 P200 IEC200L4	A803_38.5 P200 BX200LA4
41	6400	2.1	35.8	63800			A903_35.8 P200 IEC200L4	A903_35.8 P200 BX200LA4
41	6349	1.1	35.5	45000			A803_35.5 P200 IEC200L4	A803_35.5 P200 BX200LA4
46	5628	2.5	31.5	62400			A903_31.5 P200 IEC200L4	A903_31.5 P200 BX200LA4
48	5463	1.2	30.6	44500			A803_30.6 P200 IEC200L4	A803_30.6 P200 BX200LA4
50	5195	2.5	29.1	61400			A903_29.1 P200 IEC200L4	A903_29.1 P200 BX200LA4
52	5043	1.3	28.2	44000			A803_28.2 P200 IEC200L4	A803_28.2 P200 BX200LA4
60	4377	1.5	24.5	43300			A803_24.5 P200 IEC200L4	A803_24.5 P200 BX200LA4
61	4307	3.1	24.1	59200			A903_24.1 P200 IEC200L4	A903_24.1 P200 BX200LA4
62	4202	1.0	23.5	40100			A703_23.5 P200 IEC200L4	A703_23.5 P200 BX200LA4
65	4041	1.5	22.6	42700			A803_22.6 P200 IEC200L4	A803_22.6 P200 BX200LA4
66	3976	3.1	22.3	58200			A903_22.3 P200 IEC200L4	A903_22.3 P200 BX200LA4
70	3752	3.3	21.0	57500			A903_21.0 P200 IEC200L4	A903_21.0 P200 BX200LA4
70	3743	1.7	20.9	42300			A803_20.9 P200 IEC200L4	A803_20.9 P200 BX200LA4

*The technical information shall be considered as indicative, the configurations should be matching the data provided by motors manufacturers on rated powers greater than 22 kW.



30 kW

n ₂ min-1	M ₂ Nm	S	i	R _{n2} N	IE...	IE2*	IE3	
75	3463	3.3	19.4	56500		A903_19.4 P200 IEC200L4	A903_19.4 P200 BX200LA4	341
75	3455	1.8	19.3	41700		A803_19.3 P200 IEC200L4	A803_19.3 P200 BX200LA4	338
87	2991	2.2	16.7	40700		A803_16.7 P200 IEC200L4	A803_16.7 P200 BX200LA4	338
87	2982	1.3	16.7	38100		A703_16.7 P200 IEC200L4	A703_16.7 P200 BX200LA4	335
94	2761	2.2	15.5	40000		A803_15.5 P200 IEC200L4	A803_15.5 P200 BX200LA4	338
95	2752	1.3	15.4	37500		A703_15.4 P200 IEC200L4	A703_15.4 P200 BX200LA4	335
110	2375	2.8	13.3	38900		A803_13.3 P200 IEC200L4	A803_13.3 P200 BX200LA4	338
112	2338	1.6	13.1	36400		A703_13.1 P200 IEC200L4	A703_13.1 P200 BX200LA4	335
119	2192	2.8	12.3	38200		A803_12.3 P200 IEC200L4	A803_12.3 P200 BX200LA4	338
121	2158	1.6	12.1	35800		A703_12.1 P200 IEC200L4	A703_12.1 P200 BX200LA4	335
125	2094	1.7	23.5	35600		A703_23.5 P200 IEC200LA2	A703_23.5 P200 IEC200LA2	335
137	1903	3.4	10.7	37100		A803_10.7 P200 IEC200L4	A803_10.7 P200 BX200LA4	338
143	1827	1.8	10.2	34600		A703_10.2 P200 IEC200L4	A703_10.2 P200 BX200LA4	335
148	1757	3.4	9.8	36500		A803_9.8 P200 IEC200L4	A803_9.8 P200 BX200LA4	338
155	1687	1.8	9.4	34000		A703_9.4 P200 IEC200L4	A703_9.4 P200 BX200LA4	335
176	1486	2.3	16.7	33100		A703_16.7 P200 IEC200LA2	A703_16.7 P200 IEC200LA2	335
190	1371	2.3	15.4	32500		A703_15.4 P200 IEC200LA2	A703_15.4 P200 IEC200LA2	335
224	1165	2.7	13.1	31300		A703_13.1 P200 IEC200LA2	A703_13.1 P200 IEC200LA2	335
243	1075	2.7	12.1	30600		A703_12.1 P200 IEC200LA2	A703_12.1 P200 IEC200LA2	335
287	910	3.2	10.2	29400		A703_10.2 P200 IEC200LA2	A703_10.2 P200 IEC200LA2	335
310	840	3.2	9.4	28800		A703_9.4 P200 IEC200LA2	A703_9.4 P200 IEC200LA2	335





37 kW

n ₂ min-1	M ₂ Nm	S	i	R _{n2} N	IE...	IE2*	IE3	
21.5	14945	0.9	68.8	63900		A903_68.8 P225 IEC225S4	A903_68.8 P225 BX225SA4	341
24.8	12959	1.1	59.6	63900		A903_59.6 P225 IEC225S4	A903_59.6 P225 BX225SA4	341
26.9	11962	1.2	55.0	63600		A903_55.0 P225 IEC225S4	A903_55.0 P225 BX225SA4	341
31	10499	1.3	48.3	63100		A903_48.3 P225 IEC225S4	A903_48.3 P225 BX225SA4	341
33	9692	1.4	44.6	62500		A903_44.6 P225 IEC225S4	A903_44.6 P225 BX225SA4	341
38	8436	1.7	38.8	61700		A903_38.8 P225 IEC225S4	A903_38.8 P225 BX225SA4	341
38	8369	0.9	38.5	41700		A803_38.5 P225 IEC225S4	A803_38.5 P225 BX225SA4	338
41	7787	1.8	35.8	61000		A903_35.8 P225 IEC225S4	A903_35.8 P225 BX225SA4	341
42	7725	0.9	35.5	41600		A803_35.5 P225 IEC225S4	A803_35.5 P225 BX225SA4	338
47	6847	2.0	31.5	59900		A903_31.5 P225 IEC225S4	A903_31.5 P225 BX225SA4	341
48	6647	1.0	30.6	41600		A803_30.6 P225 IEC225S4	A803_30.6 P225 BX225SA4	338
51	6321	2.1	29.1	59100		A903_29.1 P225 IEC225S4	A903_29.1 P225 BX225SA4	341
52	6135	1.1	28.2	41300		A803_28.2 P225 IEC225S4	A803_28.2 P225 BX225SA4	338
60	5326	1.3	24.5	40900		A803_24.5 P225 IEC225S4	A803_24.5 P225 BX225SA4	338
61	5241	2.5	24.1	57300		A903_24.1 P225 IEC225S4	A903_24.1 P225 BX225SA4	341
65	4916	1.3	22.6	40500		A803_22.6 P225 IEC225S4	A803_22.6 P225 BX225SA4	338
67	4837	2.5	22.3	56400		A903_22.3 P225 IEC225S4	A903_22.3 P225 BX225SA4	341
70	4565	2.7	21.0	55900		A903_21.0 P225 IEC225S4	A903_21.0 P225 BX225SA4	341
71	4554	1.4	20.9	40300		A803_20.9 P225 IEC225S4	A803_20.9 P225 BX225SA4	338
76	4214	2.7	19.4	54900		A903_19.4 P225 IEC225S4	A903_19.4 P225 BX225SA4	341
77	4204	1.4	19.3	39800		A803_19.3 P225 IEC225S4	A803_19.3 P225 BX225SA4	338
88	3668	3.2	16.9	53400		A903_16.9 P225 IEC225S4	A903_16.9 P225 BX225SA4	341
88	3639	1.8	16.7	39100		A803_16.7 P225 IEC225S4	A803_16.7 P225 BX225SA4	338
95	3386	3.2	15.6	52500		A903_15.6 P225 IEC225S4	A903_15.6 P225 BX225SA4	341
96	3359	1.8	15.5	38500		A803_15.5 P225 IEC225S4	A803_15.5 P225 BX225SA4	338
111	2890	2.3	13.3	37600		A803_13.3 P225 IEC225S4	A803_13.3 P225 BX225SA4	338
121	2667	2.3	12.3	37000		A803_12.3 P225 IEC225S4	A803_12.3 P225 BX225SA4	338
139	2316	2.8	10.7	36100		A803_10.7 P225 IEC225S4	A803_10.7 P225 BX225SA4	338
151	2137	2.8	9.8	35500		A803_9.8 P225 IEC225S4	A803_9.8 P225 BX225SA4	338

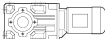



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45 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE...	 IE2*	 IE3	
26.9	14549	1.0	55.0	58700		A903_55.0 P225 IEC225M4	A903_55.0 P225 BX225SB4	341
31	12769	1.1	48.3	58900		A903_48.3 P225 IEC225M4	A903_48.3 P225 BX225SB4	341
33	11787	1.2	44.6	58600		A903_44.6 P225 IEC225M4	A903_44.6 P225 BX225SB4	341
38	10260	1.4	38.8	58300		A903_38.8 P225 IEC225M4	A903_38.8 P225 BX225SB4	341
41	9471	1.5	35.8	57800		A903_35.8 P225 IEC225M4	A903_35.8 P225 BX225SB4	341
47	8328	1.7	31.5	57200		A903_31.5 P225 IEC225M4	A903_31.5 P225 BX225SB4	341
51	7687	1.7	29.1	56600		A903_29.1 P225 IEC225M4	A903_29.1 P225 BX225SB4	341
60	6477	1.0	24.5	38300		A803_24.5 P225 IEC225M4	A803_24.5 P225 BX225SB4	338
61	6374	2.1	24.1	55200		A903_24.1 P225 IEC225M4	A903_24.1 P225 BX225SB4	341
65	5979	1.0	22.6	38100		A803_22.6 P225 IEC225M4	A803_22.6 P225 BX225SB4	338
67	5883	2.1	22.3	54500		A903_22.3 P225 IEC225M4	A903_22.3 P225 BX225SB4	341
70	5552	2.2	21.0	54000		A903_21.0 P225 IEC225M4	A903_21.0 P225 BX225SB4	341
71	5539	1.2	20.9	38000		A803_20.9 P225 IEC225M4	A803_20.9 P225 BX225SB4	338
76	5125	2.3	19.4	53200		A903_19.4 P225 IEC225M4	A903_19.4 P225 BX225SB4	341
77	5112	1.2	19.3	37700		A803_19.3 P225 IEC225M4	A803_19.3 P225 BX225SB4	338
88	4461	2.7	16.9	52000		A903_16.9 P225 IEC225M4	A903_16.9 P225 BX225SB4	341
88	4425	1.5	16.7	37300		A803_16.7 P225 IEC225M4	A803_16.7 P225 BX225SB4	338
95	4118	2.7	15.6	51100		A903_15.6 P225 IEC225M4	A903_15.6 P225 BX225SB4	341
96	4085	1.5	15.5	36900		A803_15.5 P225 IEC225M4	A803_15.5 P225 BX225SB4	338
108	3621	3.1	13.7	49900		A903_13.7 P225 IEC225M4	A903_13.7 P225 BX225SB4	341
111	3515	1.9	13.3	36200		A803_13.3 P225 IEC225M4	A803_13.3 P225 BX225SB4	338
117	3342	3.1	12.6	49000		A903_12.6 P225 IEC225M4	A903_12.6 P225 BX225SB4	341
121	3244	1.9	12.3	35700		A803_12.3 P225 IEC225M4	A803_12.3 P225 BX225SB4	338
139	2816	2.3	10.7	34900		A803_10.7 P225 IEC225M4	A803_10.7 P225 BX225SB4	338
141	2771	3.5	10.5	47100		A903_10.5 P225 IEC225M4	A903_10.5 P225 BX225SB4	341
151	2600	2.3	9.8	34400		A803_9.8 P225 IEC225M4	A803_9.8 P225 BX225SB4	338
153	2558	3.5	9.7	46200		A903_9.7 P225 IEC225M4	A903_9.7 P225 BX225SB4	341

55 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N	 IE...	 IE2*	 IE3	
33	14406	1.0	44.6	53900		A903_44.6 P250 IEC250M4	A903_44.6 P250 BX250MA4	341
38	12540	1.1	38.8	54100		A903_38.8 P250 IEC250M4	A903_38.8 P250 BX250MA4	341
41	11575	1.2	35.8	54000		A903_35.8 P250 IEC250M4	A903_35.8 P250 BX250MA4	341
47	10179	1.4	31.5	53800		A903_31.5 P250 IEC250M4	A903_31.5 P250 BX250MA4	341
51	9396	1.4	29.1	53400		A903_29.1 P250 IEC250M4	A903_29.1 P250 BX250MA4	341
61	7790	1.7	24.1	52600		A903_24.1 P250 IEC250M4	A903_24.1 P250 BX250MA4	341
67	7191	1.7	22.3	52000		A903_22.3 P250 IEC250M4	A903_22.3 P250 BX250MA4	341
70	6786	1.8	21.0	51700		A903_21.0 P250 IEC250M4	A903_21.0 P250 BX250MA4	341
76	6264	1.8	19.4	51100		A903_19.4 P250 IEC250M4	A903_19.4 P250 BX250MA4	341
88	5452	2.2	16.9	50100		A903_16.9 P250 IEC250M4	A903_16.9 P250 BX250MA4	341
95	5033	2.2	15.6	49400		A903_15.6 P250 IEC250M4	A903_15.6 P250 BX250MA4	341
108	4425	2.5	13.7	48400		A903_13.7 P250 IEC250M4	A903_13.7 P250 BX250MA4	341
117	4085	2.6	12.6	47600		A903_12.6 P250 IEC250M4	A903_12.6 P250 BX250MA4	341
141	3387	2.9	10.5	45900		A903_10.5 P250 IEC250M4	A903_10.5 P250 BX250MA4	341
153	3126	2.9	9.7	45100		A903_9.7 P250 IEC250M4	A903_9.7 P250 BX250MA4	341

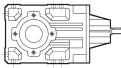

*The technical information shall be considered as indicative, the configurations should be matching the data provided by motors manufacturers on rated powers greater than 22 kW.



39 GEARBOX RATING CHARTS

A 10

150 Nm

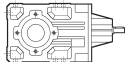

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 10 2_5.5	5.5	512	73	4.2	—	1830	256	73	2.1	960	2460	303
A 10 2_6.3	6.3	442	80	3.9	—	1900	221	80	2.0	830	2560	
A 10 2_7.2	7.2	388	92	4.0	—	1910	194	93	2.0	630	2600	
A 10 2_8.5	8.5	329	92	3.4	—	2060	164	93	1.7	720	2790	
A 10 2_9.6	9.6	291	102	3.3	—	2090	146	128	2.1	—	2650	
A 10 2_10.6	10.6	265	125	3.7	540	2010	133	150	2.2	810	2590	
A 10 2_12.3	12.3	228	110	2.8	—	2280	114	138	1.7	—	2880	
A 10 2_13.9	13.9	201	135	3.0	620	2220	101	150	1.7	1080	2960	
A 10 2_16.4	16.4	170	140	2.7	610	2370	85	150	1.4	1140	3200	
A 10 2_18.6	18.6	151	147	2.5	650	2460	75	150	1.3	1180	3380	
A 10 2_21.4	21.4	131	150	2.2	650	2610	66	150	1.1	1200	3600	
A 10 2_23.8	23.8	118	150	2.0	750	2750	59	150	0.98	1220	3780	
A 10 2_25.5	25.5	110	150	1.8	750	2840	55	150	0.92	1220	3900	
A 10 2_28.6	28.6	98	150	1.6	830	3000	49	150	0.82	1250	4100	
A 10 2_32.2	32.2	87	150	1.5	880	3170	43	150	0.73	1270	4310	
A 10 2_35.1	35.1	80	150	1.3	880	3300	40	150	0.67	1270	4470	
A 10 2_40.9	40.9	69	150	1.1	910	3530	34	150	0.57	1300	4770	
A 10 2_45.4	45.4	62	150	1.0	910	3700	31	150	0.52	1300	4980	
A 10 2_51.3	51.3	55	150	0.91	910	3910	27.3	150	0.46	1290	5240	
A 10 2_58.6	58.6	48	150	0.80	920	4140	23.9	150	0.40	1300	5500	
A 10 2_65.9	65.9	42	150	0.71	920	4360	21.2	150	0.35	1300	5500	
A 10 2_76.4	76.4	37	150	0.61	930	4640	18.3	150	0.31	1300	5500	
A 10 2_91.6	91.6	31	130	0.44	1020	5160	15.3	130	0.22	1300	5500	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 10

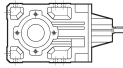

150 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 10 2_5.5	5.5	165	73	1.3	1300	2950	91	73	0.74	1300	3720	303
A 10 2_6.3	6.3	142	80	1.3	1300	3070	79	80	0.70	1300	4100	
A 10 2_7.2	7.2	125	93	1.3	1160	3130	69	93	0.72	1300	3970	
A 10 2_8.5	8.5	106	95	1.1	1200	3330	59	110	0.72	1300	4100	
A 10 2_9.6	9.6	94	128	1.3	500	3230	52	128	0.74	1300	4160	
A 10 2_10.6	10.6	85	150	1.4	1300	3200	47	150	0.79	1300	4160	
A 10 2_12.3	12.3	73	150	1.2	180	3420	41	150	0.68	1030	4430	
A 10 2_13.9	13.9	65	150	1.1	1300	3630	36	150	0.60	1300	4680	
A 10 2_16.4	16.4	55	150	0.91	1300	3900	30	150	0.51	1300	5010	
A 10 2_18.6	18.6	48	150	0.81	1300	4120	26.9	150	0.45	1300	5270	
A 10 2_21.4	21.4	42	150	0.70	1300	4370	23.4	150	0.39	1300	5500	
A 10 2_23.8	23.8	38	150	0.63	1300	4570	21.0	150	0.35	1300	5500	
A 10 2_25.5	25.5	35	150	0.59	1300	4710	19.6	150	0.33	1300	5500	
A 10 2_28.6	28.6	31	150	0.53	1300	4940	17.5	150	0.29	1300	5500	
A 10 2_32.2	32.2	28.0	150	0.47	1300	5190	15.5	150	0.26	1300	5500	
A 10 2_35.1	35.1	25.6	150	0.43	1300	5380	14.2	150	0.24	1300	5500	
A 10 2_40.9	40.9	22.0	150	0.37	1300	5500	12.2	150	0.20	1300	5500	
A 10 2_45.4	45.4	19.8	150	0.33	1300	5500	11.0	150	0.18	1300	5500	
A 10 2_51.3	51.3	17.6	150	0.29	1300	5500	9.8	150	0.16	1300	5500	
A 10 2_58.6	58.6	15.4	150	0.26	1300	5500	8.5	150	0.14	1300	5500	
A 10 2_65.9	65.9	13.7	150	0.23	1300	5500	7.6	150	0.13	1300	5500	
A 10 2_76.4	76.4	11.8	150	0.20	1300	5500	6.5	150	0.11	1300	5500	
A 10 2_91.6	91.6	9.8	130	0.14	1300	5500	5.5	130	0.08	1300	5500	



A 20

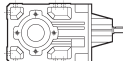

250 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 20 2_5.4	5.4	523	96	5.6	610	1910	262	121	3.5	770	2400	307
A 20 2_6.5	6.5	428	107	5.1	490	2010	214	135	3.2	610	2530	
A 20 2_7.3	7.3	384	113	4.8	510	2070	192	143	3.1	630	2600	
A 20 2_8.4	8.4	334	116	4.3	510	2180	167	146	2.7	650	2750	
A 20 2_9.4	9.4	299	122	4.1	530	2260	149	154	2.6	660	2840	
A 20 2_10.3	10.3	271	183	5.5	650	1970	135	225	3.4	890	2520	
A 20 2_12.0	12.0	234	128	3.3	550	2280	117	161	2.1	690	3120	
A 20 2_14.1	14.1	199	199	4.4	750	2210	99	245	2.7	960	2820	
A 20 2_16.2	16.2	173	209	4.0	700	2310	87	250	2.4	1040	2990	
A 20 2_18.1	18.1	155	216	3.7	760	2400	77	250	2.2	1210	3170	
A 20 2_21.2	21.2	132	226	3.3	710	2540	66	250	1.8	1290	3430	
A 20 2_23.1	23.1	121	232	3.1	710	2620	61	250	1.7	1360	3580	
A 20 2_26.5	26.5	106	241	2.8	660	2750	53	250	1.5	1410	3820	
A 20 2_29.2	29.2	96	249	2.7	670	2850	48	250	1.3	1510	4000	
A 20 2_31.3	31.3	89	250	2.5	660	2940	45	250	1.2	1510	4130	
A 20 2_35.4	35.4	79	250	2.2	800	3140	40	250	1.1	1650	4380	
A 20 2_39.6	39.6	71	250	2.0	880	3320	35	250	0.98	1710	4600	
A 20 2_43.2	43.2	65	250	1.8	880	3460	32	250	0.90	1710	4790	
A 20 2_48.3	48.3	58	250	1.6	920	3650	29.0	250	0.81	1720	5030	
A 20 2_53.7	53.7	52	250	1.5	920	3840	26.1	250	0.73	1720	5270	
A 20 2_63.1	63.1	44	245	1.2	1040	4180	22.2	245	0.61	1740	5680	
A 20 2_71.0	71.0	39	210	0.92	1360	4640	19.7	210	0.46	1790	6200	
A 20 2_79.9	79.9	35	210	0.82	1360	4880	17.5	210	0.41	1790	6200	
A 20 2_92.3	92.3	30	200	0.68	1380	5250	15.2	200	0.34	1810	6200	
A 20 3_109.2	109.2	25.6	165	0.49	1180	5900	12.8	205	0.30	1300	6200	
A 20 3_120.5	120.5	23.2	168	0.45	1130	6110	11.6	210	0.28	1300	6200	
A 20 3_129.1	129.1	21.7	175	0.44	1210	6200	10.8	215	0.27	1300	6200	
A 20 3_146.1	146.1	19.2	183	0.40	1160	6200	9.6	230	0.25	1300	6200	
A 20 3_163.4	163.4	17.1	190	0.37	1240	6200	8.6	235	0.23	1300	6200	
A 20 3_178.3	178.3	15.7	195	0.35	1200	6200	7.9	245	0.22	1300	6200	
A 20 3_199.2	199.2	14.1	200	0.32	1270	6200	7.0	250	0.20	1300	6200	
A 20 3_221.3	221.3	12.7	203	0.30	1240	6200	6.3	250	0.18	1300	6200	
A 20 3_260.5	260.5	10.8	214	0.26	1270	6200	5.4	250	0.15	1300	6200	
A 20 3_292.8	292.8	9.6	218	0.24	1300	6200	4.8	250	0.14	1300	6200	
A 20 3_329.4	329.4	8.5	221	0.22	1300	6200	4.3	250	0.12	1300	6200	
A 20 3_380.9	380.9	7.4	226	0.19	1300	6200	3.7	250	0.11	1300	6200	



A 20

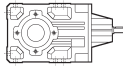

250 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 20 2_5.4	5.4	168	140	2.6	900	2780	93	170	1.8	1100	3390	307
A 20 2_6.5	6.5	138	156	2.4	720	2930	76	190	1.6	860	3570	
A 20 2_7.3	7.3	123	165	2.3	740	3020	69	201	1.5	890	3670	
A 20 2_8.4	8.4	108	170	2.0	730	3180	60	206	1.4	910	3870	
A 20 2_9.4	9.4	96	179	1.9	760	3290	53	210	1.2	1090	4050	
A 20 2_10.3	10.3	87	250	2.4	1190	2990	48	250	1.3	2200	3980	
A 20 2_12.0	12.0	75	187	1.6	790	2990	42	210	0.98	1336	4510	
A 20 2_14.1	14.1	64	250	1.8	1610	3490	36	250	0.99	2200	4590	
A 20 2_16.2	16.2	56	250	1.6	1690	3730	31	250	0.86	2200	4880	
A 20 2_18.1	18.1	50	250	1.4	1860	3930	27.6	250	0.77	2200	5140	
A 20 2_21.2	21.2	42	250	1.2	1940	4230	23.6	250	0.66	2200	5500	
A 20 2_23.1	23.1	39	250	1.1	1970	4400	21.6	250	0.60	2200	5710	
A 20 2_26.5	26.5	34	250	0.95	1980	4680	18.9	250	0.53	2200	6050	
A 20 2_29.2	29.2	31	250	0.86	2000	4890	17.1	250	0.48	2200	6200	
A 20 2_31.3	31.3	28.7	250	0.80	2000	5040	16.0	250	0.44	2200	6200	
A 20 2_35.4	35.4	25.4	250	0.71	2020	5330	14.1	250	0.39	2200	6200	
A 20 2_39.6	39.6	22.7	250	0.63	2040	5590	12.6	250	0.35	2200	6200	
A 20 2_43.2	43.2	20.8	250	0.58	2040	5800	11.6	250	0.32	2200	6200	
A 20 2_48.3	48.3	18.6	250	0.52	2040	6080	10.4	250	0.29	2200	6200	
A 20 2_53.7	53.7	16.8	250	0.47	2050	6200	9.3	250	0.26	2200	6200	
A 20 2_63.1	63.1	14.3	245	0.39	2060	6200	7.9	245	0.22	2200	6200	
A 20 2_71.0	71.0	12.7	210	0.30	2120	6200	7.0	210	0.16	2200	6200	
A 20 2_79.9	79.9	11.3	210	0.26	2120	6200	6.3	210	0.15	2200	6200	
A 20 2_92.3	92.3	9.7	200	0.22	2140	6200	5.4	200	0.12	2200	6200	
A 20 3_109.2	109.2	8.2	240	0.23	1300	6200	4.6	250	0.13	1300	6200	
A 20 3_120.5	120.5	7.5	245	0.21	1300	6200	4.1	250	0.12	1300	6200	
A 20 3_129.1	129.1	7.0	250	0.20	1300	6200	3.9	250	0.11	1300	6200	
A 20 3_146.1	146.1	6.2	250	0.18	1300	6200	3.4	250	0.10	1300	6200	
A 20 3_163.4	163.4	5.5	250	0.16	1300	6200	3.1	250	0.09	1300	6200	
A 20 3_178.3	178.3	5.0	250	0.15	1300	6200	2.8	250	0.08	1300	6200	
A 20 3_199.2	199.2	4.5	250	0.13	1300	6200	2.5	250	0.07	1300	6200	
A 20 3_221.3	221.3	4.1	250	0.12	1300	6200	2.3	250	0.06	1300	6200	
A 20 3_260.5	260.5	3.5	250	0.10	1300	6200	1.9	250	0.06	1300	6200	
A 20 3_292.8	292.8	3.1	250	0.09	1300	6200	1.7	250	0.05	1300	6200	
A 20 3_329.4	329.4	2.7	250	0.08	1300	6200	1.5	250	0.04	1300	6200	
A 20 3_380.9	380.9	2.4	250	0.07	1300	6200	1.3	250	0.04	1300	6200	



A 30

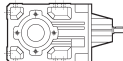

410 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 30 2_5.4	5.4	517	175	10.1	1130	2480	259	220	6.3	1430	3130	311
A 30 2_6.4	6.4	437	185	9.0	1120	2630	218	230	5.6	1470	3330	
A 30 2_7.0	7.0	399	194	8.6	1140	2690	199	245	5.4	1430	3380	
A 30 2_8.5	8.5	331	200	7.4	1220	2900	165	250	4.6	1570	3660	
A 30 2_9.3	9.3	301	214	7.2	1140	2950	150	270	4.5	1440	3710	
A 30 2_10.5	10.5	268	278	8.3	1800	2770	134	340	5.1	2200	3550	
A 30 2_11.8	11.8	238	230	6.1	1130	3200	119	290	3.8	1420	4030	
A 30 2_13.6	13.6	206	301	6.9	1830	3030	103	370	4.3	2200	3870	
A 30 2_16.3	16.3	171	318	6.1	1830	3240	86	385	3.7	2200	4170	
A 30 2_18.0	18.0	156	327	5.7	1840	3350	78	400	3.5	2200	4290	
A 30 2_20.5	20.5	136	340	5.2	1830	3510	68	410	3.1	2200	4530	
A 30 2_22.8	22.8	123	351	4.8	1850	3640	62	410	2.8	2200	4770	
A 30 2_26.5	26.5	106	367	4.3	1840	3850	53	410	2.4	2200	5150	
A 30 2_29.3	29.3	96	378	4.0	1847	3980	48	410	2.2	2200	5400	
A 30 2_33.4	33.4	84	393	3.7	1840	4170	42	410	1.9	2200	5750	
A 30 2_36.6	36.6	76	404	3.4	1840	4310	38	410	1.7	2200	6010	
A 30 2_39.3	39.3	71	410	3.3	1810	4430	36	410	1.6	2200	6200	
A 30 2_43.4	43.4	64	410	2.9	1850	4660	32	410	1.5	2200	6490	
A 30 2_48.3	48.3	58	410	2.6	1860	4920	29.0	410	1.3	2200	6810	
A 30 2_52.7	52.7	53	410	2.4	1860	5130	26.6	410	1.2	2200	7080	
A 30 2_59.4	59.4	47	400	2.1	1890	5500	23.6	400	1.0	2200	7530	
A 30 2_66.0	66.0	42	390	1.8	1900	5840	21.2	390	0.92	2200	7940	
A 30 2_76.5	76.5	37	350	1.4	1950	6480	18.3	350	0.71	2200	8690	
A 30 2_86.7	86.7	32	320	1.2	2000	7010	16.2	320	0.58	2200	9310	
A 30 2_97.5	97.5	28.7	300	0.96	2020	7480	14.4	300	0.48	2200	9600	
A 30 3_109.1	109.1	25.7	240	0.71	1300	8240	12.8	300	0.44	1300	9600	
A 30 3_120.5	120.5	23.2	243	0.65	1120	8540	11.6	300	0.40	1300	9600	
A 30 3_137.4	137.4	20.4	250	0.59	1300	8950	10.2	315	0.37	1300	9600	
A 30 3_150.7	150.7	18.6	261	0.56	1170	9210	9.3	330	0.35	1300	9600	
A 30 3_161.4	161.4	17.3	270	0.54	1300	9410	8.7	340	0.34	1300	9600	
A 30 3_178.5	178.5	15.7	274	0.49	1210	9600	7.8	345	0.31	1300	9600	
A 30 3_198.5	198.5	14.1	280	0.45	1300	9600	7.1	350	0.28	1300	9600	
A 30 3_216.6	216.6	12.9	287	0.43	1240	9600	6.5	360	0.27	1300	9600	
A 30 3_244.3	244.3	11.5	295	0.39	1300	9600	5.7	370	0.24	1300	9600	
A 30 3_271.5	271.5	10.3	301	0.36	1280	9600	5.2	380	0.23	1300	9600	
A 30 3_314.5	314.5	8.9	309	0.32	1300	9600	4.5	390	0.20	1300	9600	
A 30 3_356.3	356.3	7.9	320	0.29	1300	9600	3.9	370	0.17	1300	9600	
A 30 3_400.8	400.8	7.0	320	0.26	1300	9600	3.5	360	0.14	1300	9600	



A 30

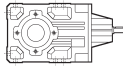

410 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 30 2_5.4	5.4	166	255	4.7	1660	3630	92	300	3.1	2200	4470	311
A 30 2_6.4	6.4	140	270	4.2	1630	3830	78	300	2.6	2200	4830	
A 30 2_7.0	7.0	128	284	4.1	1650	3920	71	300	2.4	2200	5040	
A 30 2_8.5	8.5	106	290	3.4	1810	4240	59	300	2.0	2200	5470	
A 30 2_9.3	9.3	97	300	3.2	1900	4380	54	300	1.8	2200	5710	
A 30 2_10.5	10.5	86	391	3.7	2200	4130	48	410	2.2	2200	5400	
A 30 2_11.8	11.8	76	300	2.6	2200	4880	42	300	1.4	2200	6320	
A 30 2_13.6	13.6	66	410	3.0	2200	4600	37	410	1.7	2200	6110	
A 30 2_16.3	16.3	55	410	2.5	2200	5044	31	410	1.4	2200	6650	
A 30 2_18.0	18.0	50	410	2.3	2200	5280	27.8	410	1.3	2200	6940	
A 30 2_20.5	20.5	44	410	2.0	2200	5630	24.3	410	1.1	2200	7360	
A 30 2_22.8	22.8	40	410	1.8	2200	5910	22.0	410	1.0	2200	7700	
A 30 2_26.5	26.5	34	410	1.5	2200	6340	18.8	410	0.86	2200	8230	
A 30 2_29.3	29.3	31	410	1.4	2200	6640	17.1	410	0.78	2200	8590	
A 30 2_33.4	33.4	26.9	410	1.2	2200	7040	15.0	410	0.68	2200	9080	
A 30 2_36.6	36.6	24.6	410	1.1	2200	7340	13.6	410	0.62	2200	9440	
A 30 2_39.3	39.3	22.9	410	1.0	2200	7560	12.7	410	0.58	2200	9600	
A 30 2_43.4	43.4	20.7	410	0.95	2200	7900	11.5	410	0.53	2200	9600	
A 30 2_48.3	48.3	18.6	410	0.85	2200	8270	10.4	410	0.47	2200	9600	
A 30 2_52.7	52.7	17.1	410	0.78	2200	8590	9.5	410	0.43	2200	9600	
A 30 2_59.4	59.4	15.1	400	0.67	2200	9090	8.4	400	0.37	2200	9600	
A 30 2_66.0	66.0	13.6	390	0.59	2200	9560	7.6	390	0.33	2200	9600	
A 30 2_76.5	76.5	11.8	350	0.46	2200	9600	6.5	350	0.25	2200	9600	
A 30 2_86.7	86.7	10.4	320	0.37	2200	9600	5.8	320	0.21	2200	9600	
A 30 2_97.5	97.5	9.2	300	0.31	2200	9600	5.1	300	0.17	2200	9600	
A 30 3_109.1	109.1	8.3	350	0.33	1300	9600	4.6	370	0.20	1300	9600	
A 30 3_120.5	120.5	7.5	354	0.30	1300	9600	4.2	410	0.20	1300	9600	
A 30 3_137.4	137.4	6.5	370	0.28	1300	9600	3.6	410	0.17	1300	9600	
A 30 3_150.7	150.7	6.0	381	0.26	1300	9600	3.3	410	0.16	1300	9600	
A 30 3_161.4	161.4	5.6	390	0.25	1300	9600	3.1	410	0.15	1300	9600	
A 30 3_178.5	178.5	5.0	400	0.23	1300	9600	2.8	410	0.13	1300	9600	
A 30 3_198.5	198.5	4.5	410	0.21	1300	9600	2.5	410	0.12	1300	9600	
A 30 3_216.6	216.6	4.2	410	0.20	1300	9600	2.3	410	0.11	1300	9600	
A 30 3_244.3	244.3	3.7	410	0.17	1300	9600	2.0	410	0.10	1300	9600	
A 30 3_271.5	271.5	3.3	410	0.16	1300	9600	1.8	410	0.09	1300	9600	
A 30 3_314.5	314.5	2.9	410	0.13	1300	9600	1.6	410	0.07	1300	9600	
A 30 3_356.3	356.3	2.5	380	0.11	1300	9600	1.4	380	0.06	1300	9600	
A 30 3_400.8	400.8	2.2	360	0.09	1300	9600	1.2	360	0.05	1300	9600	



A 35

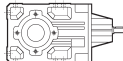

600 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 35 2_5.4	5.4	517	246	14.2	1420	4000	259	310	8.9	1790	5050	315
A 35 2_6.4	6.4	437	262	12.7	1420	4230	218	330	8.0	1790	5330	
A 35 2_7.0	7.0	399	278	12.3	1410	4320	199	350	7.8	1790	5440	
A 35 2_8.5	8.5	331	286	10.5	1450	4650	165	360	6.6	1830	5850	
A 35 2_9.3	9.3	301	302	10.1	1450	4760	150	380	6.4	1830	6000	
A 35 2_10.6	10.6	263	310	9.1	1440	5010	132	390	5.7	1830	6310	
A 35 2_11.8	11.8	238	317	8.4	1480	5200	119	400	5.3	1860	6550	
A 35 2_13.1	13.1	214	400	10.9	1630	4470	107	550	6.6	2100	5780	
A 35 2_15.5	15.5	181	430	10.0	1620	4670	90	570	5.7	2120	6190	
A 35 2_17.0	17.0	165	465	9.7	1620	4730	83	600	5.5	2130	6310	
A 35 2_20.4	20.4	137	500	8.4	1630	5080	69	600	4.6	2170	6930	
A 35 2_22.5	22.5	125	540	7.8	1660	5290	62	600	4.2	2200	7260	
A 35 2_25.7	25.7	109	585	7.1	1640	5540	55	600	3.6	2200	7740	
A 35 2_28.4	28.4	98	600	6.6	1660	5760	49	600	3.3	2200	8130	
A 35 2_33.2	33.2	84	600	5.6	910	6240	42	600	2.8	2200	8730	
A 35 2_36.6	36.6	76	600	5.1	1080	6560	38	600	2.6	2200	9140	
A 35 2_41.8	41.8	67	600	4.5	1140	7010	34	600	2.2	2200	9700	
A 35 2_45.8	45.8	61	600	4.1	1260	7330	31	600	2.0	2200	10100	
A 35 2_49.1	49.1	57	600	3.8	1260	7580	28.5	600	1.9	2200	10400	
A 35 2_54.3	54.3	52	600	3.4	1360	7950	25.8	600	1.7	2200	10900	
A 35 2_60.4	60.4	46	600	3.1	1470	8360	23.2	600	1.6	2200	11400	
A 35 2_65.8	65.8	43	600	2.8	1470	8700	21.3	600	1.4	2200	11800	
A 35 2_74.3	74.3	38	600	2.5	1560	9200	18.8	600	1.3	2200	12000	
A 35 2_82.5	82.5	34	600	2.3	1560	9650	17.0	600	1.1	2200	12000	
A 35 2_95.6	95.6	29.3	540	1.8	1860	10600	14.6	540	0.88	2200	12000	
A 35 3_105.5	105.5	26.5	430	1.3	550	12000	13.3	525	0.80	780	12000	
A 35 3_116.9	116.9	24.0	455	1.3	650	12000	12.0	560	0.77	870	12000	
A 35 3_136.3	136.3	20.5	470	1.1	870	12000	10.3	575	0.68	1110	12000	
A 35 3_150.6	150.6	18.6	495	1.1	900	12000	9.3	600	0.64	1160	12000	
A 35 3_171.8	171.8	16.3	505	0.95	960	12000	8.1	600	0.56	1250	12000	
A 35 3_188.3	188.3	14.9	525	0.90	990	12000	7.4	600	0.51	1300	12000	
A 35 3_201.8	201.8	13.9	525	0.84	1020	12000	6.9	600	0.48	1300	12000	
A 35 3_223.2	223.2	12.5	545	0.79	1050	12000	6.3	600	0.43	1300	12000	
A 35 3_248.1	248.1	11.3	565	0.73	1080	12000	5.6	600	0.39	1300	12000	
A 35 3_270.7	270.7	10.3	570	0.68	1110	12000	5.2	600	0.36	1300	12000	
A 35 3_305.4	305.4	9.2	585	0.62	1140	12000	4.6	600	0.32	1300	12000	
A 35 3_339.3	339.3	8.3	520	0.49	1210	12000	4.1	520	0.25	1300	12000	
A 35 3_393.2	393.2	7.1	465	0.38	1260	12000	3.6	465	0.19	1300	12000	



A 35

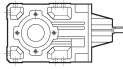

600 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 35 2_5.4	5.4	166	340	6.3	2150	5940	92	340	3.5	2200	7600	315
A 35 2_6.4	6.4	140	350	5.5	2190	6340	78	350	3.0	2200	8090	
A 35 2_7.0	7.0	128	370	5.3	2200	6490	71	370	2.9	2200	8290	
A 35 2_8.5	8.5	106	380	4.5	2200	6970	59	380	2.5	2200	8890	
A 35 2_9.3	9.3	97	400	4.3	2200	7160	54	400	2.4	2200	9140	
A 35 2_10.6	10.6	85	400	3.8	2200	7570	47	400	2.1	2200	9650	
A 35 2_11.8	11.8	76	400	3.4	2200	7910	42	400	1.9	2200	10100	
A 35 2_13.1	13.1	69	600	4.6	2200	6910	38	600	2.6	2200	9140	
A 35 2_15.5	15.5	58	600	3.9	2090	7510	32	600	2.2	2200	9860	
A 35 2_17.0	17.0	53	600	3.5	2200	7840	29.5	600	2.0	2200	10300	
A 35 2_20.4	20.4	44	600	2.9	2200	8560	24.5	600	1.6	2200	11100	
A 35 2_22.5	22.5	40	600	2.7	2200	8950	22.2	600	1.5	2200	11600	
A 35 2_25.7	25.7	35	600	2.3	2200	9500	19.5	600	1.3	2200	12000	
A 35 2_28.4	28.4	32	600	2.1	2200	9950	17.6	600	1.2	2200	12000	
A 35 2_33.2	33.2	27.1	600	1.8	2200	10700	15.1	600	1.0	2200	12000	
A 35 2_36.6	36.6	24.6	600	1.6	2200	11100	13.7	600	0.91	2200	12000	
A 35 2_41.8	41.8	21.5	600	1.4	2200	11800	12.0	600	0.80	2200	12000	
A 35 2_45.8	45.8	19.6	600	1.3	2200	12000	10.9	600	0.73	2200	12000	
A 35 2_49.1	49.1	18.3	600	1.2	2200	12000	10.2	600	0.68	2200	12000	
A 35 2_54.3	54.3	16.6	600	1.1	2200	12000	9.2	600	0.62	2200	12000	
A 35 2_60.4	60.4	14.9	600	1.0	2200	12000	8.3	600	0.55	2200	12000	
A 35 2_65.8	65.8	13.7	600	0.91	2200	12000	7.6	600	0.51	2200	12000	
A 35 2_74.3	74.3	12.1	600	0.81	2200	12000	6.7	600	0.45	2200	12000	
A 35 2_82.5	82.5	10.9	600	0.73	2200	12000	6.1	600	0.40	2200	12000	
A 35 2_95.6	95.6	9.4	540	0.57	2200	12000	5.2	540	0.31	2200	12000	
A 35 3_105.5	105.5	8.5	600	0.59	940	12000	4.7	600	0.33	1300	12000	
A 35 3_116.9	116.9	7.7	600	0.53	1230	12000	4.3	600	0.30	1300	12000	
A 35 3_136.3	136.3	6.6	600	0.46	1300	12000	3.7	600	0.25	1300	12000	
A 35 3_150.6	150.6	6.0	600	0.41	1300	12000	3.3	600	0.23	1300	12000	
A 35 3_171.8	171.8	5.2	600	0.36	1300	12000	2.9	600	0.20	1300	12000	
A 35 3_188.3	188.3	4.8	600	0.33	1300	12000	2.7	600	0.18	1300	12000	
A 35 3_201.8	201.8	4.5	600	0.31	1300	12000	2.5	600	0.17	1300	12000	
A 35 3_223.2	223.2	4.0	600	0.28	1300	12000	2.2	600	0.15	1300	12000	
A 35 3_248.1	248.1	3.6	600	0.25	1300	12000	2.0	600	0.14	1300	12000	
A 35 3_270.7	270.7	3.3	600	0.23	1300	12000	1.8	600	0.13	1300	12000	
A 35 3_305.4	305.4	2.9	600	0.20	1300	12000	1.6	600	0.11	1300	12000	
A 35 3_339.3	339.3	2.7	520	0.16	1300	12000	1.5	520	0.09	1300	12000	
A 35 3_393.2	393.2	2.3	465	0.12	1300	12000	1.3	465	0.07	1300	12000	



A 41

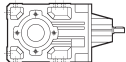

850 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 41 2_5.2	5.2	534	450	27	1790	4350	267	550	16.4	2450	5560	319
A 41 2_7.1	7.1	393	490	22	1890	4850	197	550	12.0	2670	6430	
A 41 2_8.3	8.3	336	510	19.1	1900	5140	168	550	10.3	2750	6920	
A 41 2_9.2	9.2	304	530	18.0	1980	5300	152	550	9.3	2860	7240	
A 41 2_10.1	10.1	276	435	13.4	2680	6030	138	535	8.2	3390	7650	
A 41 2_11.7	11.7	238	550	14.6	2050	5870	119	550	7.3	2950	8070	
A 41 2_13.8	13.8	204	480	10.9	2690	6680	102	585	6.6	3430	8510	
A 41 2_16.1	16.1	174	500	9.7	2700	7070	87	610	5.9	3430	9000	
A 41 2_17.8	17.8	158	515	9.0	2730	7310	79	630	5.5	3470	9300	
A 41 2_22.7	22.7	123	550	7.6	2730	7970	62	680	4.7	3460	10100	
A 41 2_28.3	28.3	99	595	6.6	2670	8570	49	730	4.0	3450	10900	
A 41 2_35.9	35.9	78	635	5.5	2590	9320	39	780	3.4	3410	11800	
A 41 2_45.1	45.1	62	680	4.7	2500	10100	31	830	2.9	3330	12800	
A 41 2_48.3	48.3	58	690	4.5	2430	10300	29.0	850	2.7	3200	13100	
A 41 2_53.1	53.1	53	700	4.1	2470	10700	26.3	850	2.5	3330	13700	
A 41 2_58.8	58.8	48	730	3.9	2390	11100	23.8	850	2.3	3460	14300	
A 41 2_64.2	64.2	44	740	3.6	2320	11500	21.8	850	2.1	3460	14800	
A 41 2_71.3	71.3	39	780	3.4	2120	11800	19.6	850	1.9	3470	15000	
A 41 2_79.2	79.2	35	800	3.1	1990	12300	17.7	800	1.6	3500	15000	
A 41 3_92.8	92.8	30	650	2.3	270	14000	15.1	800	1.4	430	15000	
A 41 3_115.9	115.9	24.2	800	2.2	310	14600	12.1	850	1.2	980	15000	
A 41 3_146.9	146.9	19.1	850	1.9	790	15000	9.5	850	0.93	1640	15000	
A 41 3_184.4	184.4	15.2	850	1.5	1290	15000	7.6	850	0.74	1770	15000	
A 41 3_197.5	197.5	14.2	850	1.4	1360	15000	7.1	850	0.69	1790	15000	
A 41 3_217.4	217.4	12.9	850	1.3	1390	15000	6.4	850	0.63	1820	15000	
A 41 3_240.6	240.6	11.6	850	1.1	1410	15000	5.8	850	0.57	1840	15000	
A 41 3_262.5	262.5	10.7	850	1.0	1430	15000	5.3	850	0.52	1860	15000	
A 41 3_291.7	291.7	9.6	850	0.94	1450	15000	4.8	850	0.47	1880	15000	
A 41 3_324.2	324.2	8.6	850	0.84	1470	15000	4.3	850	0.42	1900	15000	
A 41 3_376.8	376.8	7.4	850	0.73	1500	15000	3.7	850	0.36	1930	15000	



A 41

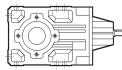

850 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 41 2_5.2	5.2	172	550	10.5	3140	6850	95	550	5.8	3500	8900	319
A 41 2_7.1	7.1	126	550	7.7	3360	7870	70	550	4.3	3500	10100	
A 41 2_8.3	8.3	108	550	6.6	3440	8430	60	550	3.7	3500	10800	
A 41 2_9.2	9.2	98	550	6.0	3500	8800	54	550	3.3	3500	11300	
A 41 2_10.1	10.1	89	610	6.0	3500	8920	49	730	4.0	3500	10900	
A 41 2_11.7	11.7	77	550	4.7	3500	9760	43	550	2.6	3500	12400	
A 41 2_13.8	13.8	65	670	4.9	3500	9900	36	800	3.2	3500	12100	
A 41 2_16.1	16.1	56	700	4.4	3500	10500	31	830	2.9	3500	12800	
A 41 2_17.8	17.8	51	720	4.1	3500	10800	28.1	850	2.7	3500	13300	
A 41 2_22.7	22.7	40	780	3.4	3500	11700	22.0	850	2.1	3500	14800	
A 41 2_28.3	28.3	32	830	2.9	3500	12700	17.7	850	1.7	3500	15000	
A 41 2_35.9	35.9	25.1	850	2.4	3500	14000	13.9	850	1.3	3500	15000	
A 41 2_45.1	45.1	20.0	850	1.9	3500	15000	11.1	850	1.1	3500	15000	
A 41 2_48.3	48.3	18.6	850	1.8	3500	15000	10.4	850	0.98	3500	15000	
A 41 2_53.1	53.1	16.9	850	1.6	3500	15000	9.4	850	0.89	3500	15000	
A 41 2_58.8	58.8	15.3	850	1.4	3500	15000	8.5	850	0.81	3500	15000	
A 41 2_64.2	64.2	14.0	850	1.3	3300	15000	7.8	850	0.74	3500	15000	
A 41 2_71.3	71.3	12.6	850	1.2	3500	15000	7.0	850	0.66	3500	15000	
A 41 2_79.2	79.2	11.4	800	1.0	3500	15000	6.3	800	0.56	3500	15000	
A 41 3_92.8	92.8	9.7	800	0.89	1080	15000	5.4	800	0.50	2110	15000	
A 41 3_115.9	115.9	7.8	850	0.76	1630	15000	4.3	850	0.42	2200	15000	
A 41 3_146.9	146.9	6.1	850	0.60	2020	15000	3.4	850	0.33	2200	15000	
A 41 3_184.4	184.4	4.9	850	0.48	2100	15000	2.7	850	0.27	2200	15000	
A 41 3_197.5	197.5	4.6	850	0.45	2120	15000	2.5	850	0.25	2200	15000	
A 41 3_217.4	217.4	4.1	850	0.40	2150	15000	2.3	850	0.22	2200	15000	
A 41 3_240.6	240.6	3.7	850	0.37	2170	15000	2.1	850	0.20	2200	15000	
A 41 3_262.5	262.5	3.4	850	0.34	2190	15000	1.9	850	0.19	2200	15000	
A 41 3_291.7	291.7	3.1	850	0.30	2200	15000	1.7	850	0.17	2200	15000	
A 41 3_324.2	324.2	2.8	850	0.27	2200	15000	1.5	850	0.15	2200	15000	
A 41 3_376.8	376.8	2.4	850	0.23	2200	15000	1.3	850	0.13	2200	15000	



A 50

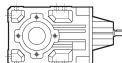

1500 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 50 2_7.7	7.7	362	550	22	2300	7920	181	700	14.1	2890	9960	323
A 50 2_9.7	9.7	288	600	19.2	2330	8530	144	750	12.0	2950	10800	
A 50 2_13.1	13.1	214	600	14.3	2460	9600	107	750	8.9	3110	12100	
A 50 2_16.6	16.6	169	640	12.0	2490	10400	84	800	7.5	3150	13100	
A 50 2_20.9	20.9	134	640	9.5	2540	11400	67	800	6.0	3210	14400	
A 50 3_24.0	24.0	116	1150	15.4	1850	7020	58	1500	10.0	2100	8540	
A 50 3_26.4	26.4	106	1200	14.6	2100	7170	53	1500	9.1	2690	9100	
A 50 3_32.4	32.4	86	1290	12.8	1800	4630	43	1500	7.5	2760	10400	
A 50 3_35.6	35.6	79	1340	12.1	2080	7830	39	1500	6.8	3290	11000	
A 50 3_40.9	40.9	68	1415	11.1	1740	8130	34	1500	5.9	3220	11900	
A 50 3_45.0	45.0	62	1470	10.5	2030	8340	31	1500	5.4	3440	12600	
A 50 3_51.7	51.7	54	1500	9.4	1680	8970	27.1	1500	4.7	3400	13600	
A 50 3_56.8	56.8	49	1500	8.5	2150	9540	24.6	1500	4.3	3480	14400	
A 50 3_63.9	63.9	44	1500	7.6	1900	10300	21.9	1500	3.8	3450	15300	
A 50 3_70.2	70.2	40	1500	6.9	2350	10900	19.9	1500	3.4	3500	16100	
A 50 3_81.5	81.5	34	1500	5.9	2170	11900	17.2	1500	3.0	3500	17300	
A 50 3_89.5	89.5	31	1500	5.4	2590	12600	15.6	1500	2.7	3500	18200	
A 50 3_99.5	99.5	28.1	1500	4.9	2260	13400	14.1	1500	2.4	3500	19200	
A 50 3_109.4	109.4	25.6	1500	4.4	2680	14100	12.8	1500	2.2	3500	20000	
A 50 3_118.0	118.0	23.7	1500	4.1	2390	14700	11.9	1500	2.0	3500	20000	
A 50 3_129.7	129.7	21.6	1500	3.7	2720	15400	10.8	1500	1.9	3500	20000	
A 50 3_140.6	140.6	19.9	1500	3.4	2440	16100	10.0	1500	1.7	3500	20000	
A 50 3_154.6	154.6	18.1	1500	3.1	2730	16900	9.1	1500	1.6	3500	20000	
A 50 3_173.4	173.4	16.2	1500	2.8	2480	17900	8.1	1500	1.4	3500	20000	
A 50 3_190.6	190.6	14.7	1500	2.5	2740	18800	7.3	1500	1.3	3500	20000	
A 50 4_211.0	211.0	13.3	1500	2.3	1930	20000	6.6	1500	1.2	2200	20000	
A 50 4_232.0	232.0	12.1	1500	2.1	1970	20000	6.0	1500	1.1	2200	20000	
A 50 4_260.9	260.9	10.7	1500	1.9	2010	20000	5.4	1500	0.95	2200	20000	
A 50 4_286.8	286.8	9.8	1500	1.7	2040	20000	4.9	1500	0.86	2200	20000	
A 50 4_332.6	332.6	8.4	1500	1.5	2080	20000	4.2	1500	0.74	2200	20000	
A 50 4_365.6	365.6	7.7	1500	1.4	2100	20000	3.8	1500	0.68	2200	20000	
A 50 4_406.4	406.4	6.9	1500	1.2	2130	20000	3.4	1500	0.61	2200	20000	
A 50 4_446.8	446.8	6.3	1500	1.1	2140	20000	3.1	1500	0.55	2200	20000	
A 50 4_481.6	481.6	5.8	1500	1.0	2160	20000	2.9	1500	0.51	2200	20000	
A 50 4_529.5	529.5	5.3	1500	0.93	2170	20000	2.6	1500	0.47	2200	20000	
A 50 4_574.2	574.2	4.9	1500	0.86	2190	20000	2.4	1500	0.43	2200	20000	
A 50 4_631.2	631.2	4.4	1500	0.78	2200	20000	2.2	1500	0.39	2200	20000	
A 50 4_707.9	707.9	4.0	1500	0.70	2200	20000	2.0	1500	0.35	2200	20000	
A 50 4_778.2	778.2	3.6	1500	0.63	2200	20000	1.8	1500	0.32	2200	20000	



A 50

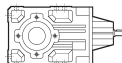

1500 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 50 2_7.7	7.7	116	770	10.0	3430	11700	65	900	6.5	3500	14300	323
A 50 2_9.7	9.7	92	830	8.5	3490	12600	51	1000	5.7	3500	15300	
A 50 2_13.1	13.1	69	830	6.3	3500	14200	38	1000	4.2	3500	17300	
A 50 2_16.6	16.6	54	880	5.3	3500	15400	30	1000	3.4	3500	18900	
A 50 2_20.9	20.9	43	880	4.2	3500	16800	23.9	1000	2.7	3500	20000	
A 50 3_24.0	24.0	37	1500	6.5	3480	11300	20.8	1500	3.6	3500	15700	
A 50 3_26.4	26.4	34	1500	5.9	3500	12000	18.9	1500	3.3	3500	16500	
A 50 3_32.4	32.4	27.8	1500	4.8	3500	13400	15.4	1500	2.7	3500	18300	
A 50 3_35.6	35.6	25.3	1500	4.4	3500	14200	14.0	1500	2.4	3500	19200	
A 50 3_40.9	40.9	22.0	1500	3.8	3500	15300	12.2	1500	2.1	3500	20000	
A 50 3_45.0	45.0	20.0	1500	3.5	3500	16000	11.1	1500	1.9	3500	20000	
A 50 3_51.7	51.7	17.4	1500	3.0	3450	17200	9.7	1500	1.7	3500	20000	
A 50 3_56.8	56.8	15.8	1500	2.7	3500	18100	8.8	1500	1.5	3500	20000	
A 50 3_63.9	63.9	14.1	1500	2.4	3500	19200	7.8	1500	1.4	3500	20000	
A 50 3_70.2	70.2	12.8	1500	2.2	3500	20000	7.1	1500	1.2	3500	20000	
A 50 3_81.5	81.5	11.0	1500	1.9	3500	20000	6.1	1500	1.1	3500	20000	
A 50 3_89.5	89.5	10.1	1500	1.7	3500	20000	5.6	1500	0.96	3500	20000	
A 50 3_99.5	99.5	9.0	1500	1.6	3500	20000	5.0	1500	0.87	3500	20000	
A 50 3_109.4	109.4	8.2	1500	1.4	3500	20000	4.6	1500	0.79	3500	20000	
A 50 3_118.0	118.0	7.6	1500	1.3	3500	20000	4.2	1500	0.73	3500	20000	
A 50 3_129.7	129.7	6.9	1500	1.2	3500	20000	3.9	1500	0.67	3500	20000	
A 50 3_140.6	140.6	6.4	1500	1.1	3500	20000	3.6	1500	0.61	3500	20000	
A 50 3_154.6	154.6	5.8	1500	1.0	3500	20000	3.2	1500	0.56	3500	20000	
A 50 3_173.4	173.4	5.2	1500	0.90	3500	20000	2.9	1500	0.50	3500	20000	
A 50 3_190.6	190.6	4.7	1500	0.82	3500	20000	2.6	1500	0.45	3500	20000	
A 50 4_211.0	211.0	4.3	1500	0.75	2200	20000	2.4	1500	0.42	2200	20000	
A 50 4_232.0	232.0	3.9	1500	0.68	2200	20000	2.2	1500	0.38	2200	20000	
A 50 4_260.9	260.9	3.4	1500	0.61	2200	20000	1.9	1500	0.34	2200	20000	
A 50 4_286.8	286.8	3.1	1500	0.55	2200	20000	1.7	1500	0.31	2200	20000	
A 50 4_332.6	332.6	2.7	1500	0.48	2200	20000	1.5	1500	0.27	2200	20000	
A 50 4_365.6	365.6	2.5	1500	0.43	2200	20000	1.4	1500	0.24	2200	20000	
A 50 4_406.4	406.4	2.2	1500	0.39	2200	20000	1.2	1500	0.22	2200	20000	
A 50 4_446.8	446.8	2.0	1500	0.36	2200	20000	1.1	1500	0.20	2200	20000	
A 50 4_481.6	481.6	1.9	1500	0.33	2200	20000	1.0	1500	0.18	2200	20000	
A 50 4_529.5	529.5	1.7	1500	0.30	2200	20000	0.94	1500	0.17	2200	20000	
A 50 4_574.2	574.2	1.6	1500	0.28	2200	20000	0.87	1500	0.15	2200	20000	
A 50 4_631.2	631.2	1.4	1500	0.25	2200	20000	0.79	1500	0.14	2200	20000	
A 50 4_707.9	707.9	1.3	1500	0.22	2200	20000	0.71	1500	0.12	2200	20000	
A 50 4_778.2	778.2	1.2	1500	0.20	2200	20000	0.64	1500	0.11	2200	20000	



A 55

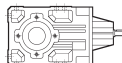

2000 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 55 2_4.9	4.9	571	760	48	1320	15100	286	900	28	2150	18700	327
A 55 2_6.4	6.4	438	800	39	1950	16400	219	950	23	2860	20300	
A 55 2_8.5	8.5	329	800	30	2810	18000	165	950	17.5	3500	22200	
A 55 2_10.4	10.4	269	840	25	2900	19100	135	1000	15.1	3500	23600	
A 55 2_13.1	13.1	214	840	20	3230	20600	107	1000	11.9	3500	25500	
A 55 2_15.7	15.7	178	840	16.7	3440	21900	89	1000	9.9	3500	27000	
A 55 2_19.2	19.2	146	925	15.0	3160	23200	73	1100	8.9	3500	28600	
A 55 3_23.8	23.8	118	1600	22	2050	21000	59	1950	13.2	2640	26000	
A 55 3_29.9	29.9	94	1700	18.3	2110	22500	47	2000	10.8	2770	28200	
A 55 3_40.3	40.3	69	1850	14.8	2150	24800	35	2000	8.0	2930	30000	
A 55 3_51.0	51.0	55	2000	12.6	2170	26500	27.5	2000	6.3	3050	30000	
A 55 3_64.3	64.3	44	2000	10.0	2230	29000	21.8	2000	5.0	3110	30000	
A 55 3_79.5	79.5	35	2000	8.1	1040	30000	17.6	2000	4.1	2820	30000	
A 55 3_101.4	101.4	27.6	2000	6.4	1340	30000	13.8	2000	3.2	3130	30000	
A 55 3_123.9	123.9	22.6	2000	5.2	1450	30000	11.3	2000	2.6	3230	30000	
A 55 3_132.7	132.7	21.1	2000	4.9	1450	30000	10.6	2000	2.4	3240	30000	
A 55 3_146.8	146.8	19.1	2000	4.4	1610	30000	9.5	2000	2.2	3290	30000	
A 55 3_160.4	160.4	17.5	2000	4.0	1660	30000	8.7	2000	2.0	3300	30000	
A 55 3_175.0	175.0	16.0	2000	3.7	1660	30000	8.0	2000	1.8	3300	30000	
A 55 3_194.2	194.2	14.4	2000	3.3	1710	30000	7.2	2000	1.7	3310	30000	
A 55 4_208.1	208.1	13.5	1600	2.5	1890	30000	6.7	1950	1.5	2200	30000	
A 55 4_262.6	262.6	10.7	1650	2.1	1980	30000	5.3	2000	1.3	2200	30000	
A 55 4_324.7	324.7	8.6	1750	1.8	2030	30000	4.3	2000	1.0	2200	30000	
A 55 4_414.0	414.0	6.8	1850	1.5	2080	30000	3.4	2000	0.80	2200	30000	
A 55 4_505.9	505.9	5.5	1900	1.2	2120	30000	2.8	2000	0.65	2200	30000	
A 55 4_542.0	542.0	5.2	1900	1.2	2140	30000	2.6	2000	0.61	2200	30000	
A 55 4_599.5	599.5	4.7	1950	1.1	2150	30000	2.3	2000	0.55	2200	30000	
A 55 4_655.1	655.1	4.3	1950	1.0	2180	30000	2.1	2000	0.50	2200	30000	
A 55 4_714.7	714.7	3.9	1950	0.90	2200	30000	2.0	2000	0.46	2200	30000	
A 55 4_793.0	793.0	3.5	2000	0.83	2200	30000	1.8	2000	0.42	2200	30000	



A 55

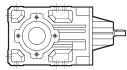

2000 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 55 2_4.9	4.9	184	1000	20	2850	21400	102	1160	13.1	3500	25600	327
A 55 2_6.4	6.4	141	1060	16.6	3500	23200	78	1230	10.7	3500	27700	
A 55 2_8.5	8.5	106	1060	12.6	3500	25400	59	1230	8.1	3500	30000	
A 55 2_10.4	10.4	87	1120	10.8	3500	27000	48	1290	6.9	3500	30000	
A 55 2_13.1	13.1	69	1120	8.6	3500	29100	38	1290	5.5	3500	30000	
A 55 2_15.7	15.7	57	1120	7.2	3500	30000	32	1290	4.6	3500	30000	
A 55 2_19.2	19.2	47	1230	6.4	3500	30000	26.0	1420	4.1	3500	30000	
A 55 3_23.8	23.8	38	2000	8.7	3280	30000	21.0	2000	4.8	3500	30000	
A 55 3_29.9	29.9	30	2000	6.9	3450	30000	16.7	2000	3.8	3500	30000	
A 55 3_40.3	40.3	22.3	2000	5.1	3500	30000	12.4	2000	2.9	3500	30000	
A 55 3_51.0	51.0	17.6	2000	4.1	3500	30000	9.8	2000	2.3	3500	30000	
A 55 3_64.3	64.3	14.0	2000	3.2	3500	30000	7.8	2000	1.8	3500	30000	
A 55 3_79.5	79.5	11.3	2000	2.6	3500	30000	6.3	2000	1.4	3500	30000	
A 55 3_101.4	101.4	8.9	2000	2.0	3500	30000	4.9	2000	1.1	3500	30000	
A 55 3_123.9	123.9	7.3	2000	1.7	3500	30000	4.0	2000	0.93	3500	30000	
A 55 3_132.7	132.7	6.8	2000	1.6	3500	30000	3.8	2000	0.87	3500	30000	
A 55 3_146.8	146.8	6.1	2000	1.4	3500	30000	3.4	2000	0.78	3500	30000	
A 55 3_160.4	160.4	5.6	2000	1.3	3500	30000	3.1	2000	0.72	3500	30000	
A 55 3_175.0	175.0	5.1	2000	1.2	3500	30000	2.9	2000	0.66	3500	30000	
A 55 3_194.2	194.2	4.6	2000	1.1	3500	30000	2.6	2000	0.59	3500	30000	
A 55 4_208.1	208.1	4.3	2000	1.0	2200	30000	2.4	2000	0.57	2200	30000	
A 55 4_262.6	262.6	3.4	2000	0.81	2200	30000	1.9	2000	0.45	2200	30000	
A 55 4_324.7	324.7	2.8	2000	0.65	2200	30000	1.5	2000	0.36	2200	30000	
A 55 4_414.0	414.0	2.2	2000	0.51	2200	30000	1.2	2000	0.28	2200	30000	
A 55 4_505.9	505.9	1.8	2000	0.42	2200	30000	1.0	2000	0.23	2200	30000	
A 55 4_542.0	542.0	1.7	2000	0.39	2200	30000	0.92	2000	0.22	2200	30000	
A 55 4_599.5	599.5	1.5	2000	0.35	2200	30000	0.83	2000	0.20	2200	30000	
A 55 4_655.1	655.1	1.4	2000	0.32	2200	30000	0.76	2000	0.18	2200	30000	
A 55 4_714.7	714.7	1.3	2000	0.30	2200	30000	0.70	2000	0.16	2200	30000	
A 55 4_793.0	793.0	1.1	2000	0.27	2200	30000	0.63	2000	0.15	2200	30000	



A 60

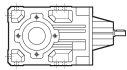

2800 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 60 2_7.9	7.9	356	950	38	2770	22500	178	1200	24	3400	27700	331
A 60 2_10.3	10.3	271	950	29	2970	24600	136	1200	18.1	3740	30000	
A 60 2_12.7	12.7	220	1000	25	3020	26200	110	1250	15.3	3810	30000	
A 60 2_16.7	16.7	167	1050	19.6	3080	28600	84	1300	12.1	3910	30000	
A 60 2_20.6	20.6	136	1100	16.7	3100	30000	68	1400	10.6	3890	30000	
A 60 3_25.7	25.7	109	2760	35	2380	26900	54	2800	17.5	3800	30000	
A 60 3_27.9	27.9	101	2800	32	2780	27700	50	2800	16.2	3930	30000	
A 60 3_31.7	31.7	88	2800	29	2790	29000	44	2800	14.2	3940	30000	
A 60 3_34.3	34.3	82	2800	26	2920	30000	41	2800	13.2	4060	30000	
A 60 3_41.7	41.7	67	2800	22	2940	30000	34	2800	10.8	4090	30000	
A 60 3_45.2	45.2	62	2800	20	3060	30000	31	2800	10.0	4200	30000	
A 60 3_51.3	51.3	55	2800	17.6	3030	30000	27.3	2800	8.8	4180	30000	
A 60 3_55.6	55.6	50	2800	16.2	3140	30000	25.2	2800	8.1	4280	30000	
A 60 3_65.0	65.0	43	2800	13.9	3110	30000	21.5	2800	6.9	4260	30000	
A 60 3_70.4	70.4	40	2800	12.8	3210	30000	19.9	2800	6.4	4360	30000	
A 60 3_79.7	79.7	35	2800	11.3	3160	30000	17.6	2800	5.7	4310	30000	
A 60 3_86.4	86.4	32	2800	10.4	3260	30000	16.2	2800	5.2	4410	30000	
A 60 3_99.5	99.5	28.1	2800	9.1	3210	30000	14.1	2800	4.5	4360	30000	
A 60 3_107.8	107.8	26.0	2800	8.4	3300	30000	13.0	2800	4.2	4450	30000	
A 60 3_123.0	123.0	22.8	2800	7.3	3250	30000	11.4	2800	3.7	4400	30000	
A 60 3_133.3	133.3	21.0	2800	6.8	3340	30000	10.5	2800	3.4	4490	30000	
A 60 3_144.0	144.0	19.4	2800	6.3	3280	30000	9.7	2800	3.1	4420	30000	
A 60 3_156.0	156.0	17.9	2800	5.8	3360	30000	9.0	2800	2.9	4510	30000	
A 60 3_171.5	171.5	16.3	2800	5.3	3290	30000	8.2	2800	2.6	4430	30000	
A 60 3_185.8	185.8	15.1	2800	4.9	3370	30000	7.5	2800	2.4	4520	30000	
A 60 4_208.7	208.7	13.4	2800	4.4	2720	30000	6.7	2800	2.2	3500	30000	
A 60 4_226.1	226.1	12.4	2800	4.1	2770	30000	6.2	2800	2.0	3500	30000	
A 60 4_264.3	264.3	10.6	2800	3.5	2860	30000	5.3	2800	1.7	3500	30000	
A 60 4_286.3	286.3	9.8	2800	3.2	2900	30000	4.9	2800	1.6	3500	30000	
A 60 4_324.2	324.2	8.6	2800	2.8	2960	30000	4.3	2800	1.4	3500	30000	
A 60 4_351.2	351.2	8.0	2800	2.6	2990	30000	4.0	2800	1.3	3500	30000	
A 60 4_404.7	404.7	6.9	2800	2.3	3050	30000	3.5	2800	1.1	3500	30000	
A 60 4_438.4	438.4	6.4	2800	2.1	3070	30000	3.2	2800	1.1	3500	30000	
A 60 4_500.3	500.3	5.6	2800	1.8	3110	30000	2.8	2800	0.92	3500	30000	
A 60 4_542.0	542.0	5.2	2800	1.7	3140	30000	2.6	2800	0.85	3500	30000	
A 60 4_585.8	585.8	4.8	2800	1.6	3150	30000	2.4	2800	0.79	3500	30000	
A 60 4_634.6	634.6	4.4	2800	1.5	3170	30000	2.2	2800	0.73	3500	30000	
A 60 4_697.3	697.3	4.0	2800	1.3	3190	30000	2.0	2800	0.66	3500	30000	
A 60 4_755.4	755.4	3.7	2800	1.2	3210	30000	1.9	2800	0.61	3500	30000	



A 60

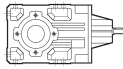

2800 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 60 2_7.9	7.9	114	1300	16.6	4190	30000	64	1550	11.0	4700	30000	331
A 60 2_10.3	10.3	87	1300	12.6	4470	30000	48	1550	8.4	4700	30000	
A 60 2_12.7	12.7	71	1400	11.0	4490	30000	39	1700	7.5	4700	30000	
A 60 2_16.7	16.7	54	1450	8.7	4610	30000	29.9	1700	5.7	4700	30000	
A 60 2_20.6	20.6	44	1550	7.5	4600	30000	24.3	1800	4.9	4700	30000	
A 60 3_25.7	25.7	35	2800	11.3	4680	30000	19.4	2800	6.3	4700	30000	
A 60 3_27.9	27.9	32	2800	10.4	4700	30000	18.0	2800	5.8	4700	30000	
A 60 3_31.7	31.7	28.4	2800	9.2	4700	30000	15.8	2800	5.1	4700	30000	
A 60 3_34.3	34.3	26.2	2800	8.5	4700	30000	14.6	2800	4.7	4700	30000	
A 60 3_41.7	41.7	21.6	2800	7.0	4700	30000	12.0	2800	3.9	4700	30000	
A 60 3_45.2	45.2	19.9	2800	6.4	4700	30000	11.1	2800	3.6	4700	30000	
A 60 3_51.3	51.3	17.5	2800	5.6	4700	30000	9.7	2800	3.1	4700	30000	
A 60 3_55.6	55.6	16.2	2800	5.2	4700	30000	9.0	2800	2.9	4700	30000	
A 60 3_65.0	65.0	13.8	2800	4.5	4700	30000	7.7	2800	2.5	4700	30000	
A 60 3_70.4	70.4	12.8	2800	4.1	4700	30000	7.1	2800	2.3	4700	30000	
A 60 3_79.7	79.7	11.3	2800	3.6	4700	30000	6.3	2800	2.0	4700	30000	
A 60 3_86.4	86.4	10.4	2800	3.4	4700	30000	5.8	2800	1.9	4700	30000	
A 60 3_99.5	99.5	9.0	2800	2.9	4700	30000	5.0	2800	1.6	4700	30000	
A 60 3_107.8	107.8	8.3	2800	2.7	4700	30000	4.6	2800	1.5	4700	30000	
A 60 3_123.0	123.0	7.3	2800	2.4	4700	30000	4.1	2800	1.3	4700	30000	
A 60 3_133.3	133.3	6.8	2800	2.2	4700	30000	3.8	2800	1.2	4700	30000	
A 60 3_144.0	144.0	6.2	2800	2.0	4700	30000	3.5	2800	1.1	4700	30000	
A 60 3_156.0	156.0	5.8	2800	1.9	4700	30000	3.2	2800	1.0	4700	30000	
A 60 3_171.5	171.5	5.2	2800	1.7	4700	30000	2.9	2800	0.94	4700	30000	
A 60 3_185.8	185.8	4.8	2800	1.6	4700	30000	2.7	2800	0.87	4700	30000	
A 60 4_208.7	208.7	4.3	2800	1.4	3500	30000	2.4	2800	0.79	3500	30000	
A 60 4_226.1	226.1	4.0	2800	1.3	3500	30000	2.2	2800	0.73	3500	30000	
A 60 4_264.3	264.3	3.4	2800	1.1	3500	30000	1.9	2800	0.62	3500	30000	
A 60 4_286.3	286.3	3.1	2800	1.0	3500	30000	1.7	2800	0.58	3500	30000	
A 60 4_324.2	324.2	2.8	2800	0.91	3500	30000	1.5	2800	0.51	3500	30000	
A 60 4_351.2	351.2	2.6	2800	0.84	3500	30000	1.4	2800	0.47	3500	30000	
A 60 4_404.7	404.7	2.2	2800	0.73	3500	30000	1.2	2800	0.41	3500	30000	
A 60 4_438.4	438.4	2.1	2800	0.68	3500	30000	1.1	2800	0.38	3500	30000	
A 60 4_500.3	500.3	1.8	2800	0.59	3500	30000	1.0	2800	0.33	3500	30000	
A 60 4_542.0	542.0	1.7	2800	0.55	3500	30000	0.92	2800	0.30	3500	30000	
A 60 4_585.8	585.8	1.5	2800	0.51	3500	30000	0.85	2800	0.28	3500	30000	
A 60 4_634.6	634.6	1.4	2800	0.47	3500	30000	0.79	2800	0.26	3500	30000	
A 60 4_697.3	697.3	1.3	2800	0.43	3500	30000	0.72	2800	0.24	3500	30000	
A 60 4_755.4	755.4	1.2	2800	0.39	3500	30000	0.66	2800	0.22	3500	30000	



A 70

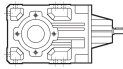

5000 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 70 3_9.4	9.4	297	2300	79	1900	25900	148	2800	48	2550	31900	335
A 70 3_10.2	10.2	274	2400	76	2480	26400	137	3200	50	1480	31900	
A 70 3_12.1	12.1	232	2400	64	2420	28000	116	3200	43	1400	33900	
A 70 3_13.1	13.1	214	2600	64	2420	28400	107	3350	41	2100	34600	
A 70 3_15.4	15.4	182	2700	56	2100	29900	91	3350	35	2430	36700	
A 70 3_16.7	16.7	168	2850	55	2500	30400	84	3600	35	2590	37200	
A 70 3_19.7	19.7	142	2900	48	2030	32100	71	3700	30	1790	39300	
A 70 3_21.3	21.3	131	3000	45	2750	32900	66	4000	30	1830	39800	
A 70 3_23.5	23.5	119	3500	48	4930	32900	60	4300	30	6250	40500	
A 70 3_27.8	27.8	101	3450	40	4960	35100	50	4200	24	6300	43300	
A 70 3_30.1	30.1	93	3700	40	4970	35600	47	4550	24	6300	43900	
A 70 3_35.4	35.4	79	3650	33	5040	37900	40	4500	21	6370	46600	
A 70 3_38.4	38.4	73	3950	33	5040	38400	36	4850	20	6380	47300	
A 70 3_45.2	45.2	62	3900	28	5050	40800	31	4800	17.1	6400	50000	
A 70 3_49.0	49.0	57	4250	28	5050	41300	28.6	5000	16.4	6450	50000	
A 70 3_53.2	53.2	53	4100	25	5030	42900	26.3	5000	15.1	6380	50000	
A 70 3_57.7	57.7	49	4450	25	5030	43400	24.3	5000	14.0	6490	50000	
A 70 3_66.9	66.9	42	4350	21	5050	46000	20.9	5000	12.0	6480	50000	
A 70 3_72.5	72.5	39	4750	21	5040	46500	19.3	5000	11.1	6580	50000	
A 70 3_79.3	79.3	35	4600	18.7	5020	48400	17.6	5000	10.2	6520	50000	
A 70 3_85.9	85.9	33	4950	18.6	5030	49100	16.3	5000	9.4	6620	50000	
A 70 3_96.2	96.2	29.1	4850	16.2	5000	50000	14.6	5000	8.4	6570	50000	
A 70 3_104.2	104.2	26.9	5000	15.5	5060	50000	13.4	5000	7.7	6660	50000	
A 70 3_120.6	120.6	23.2	5000	13.4	5010	50000	11.6	5000	6.7	6610	50000	
A 70 3_130.7	130.7	21.4	5000	12.3	5100	50000	10.7	5000	6.2	6690	50000	
A 70 3_141.9	141.9	19.7	5000	11.4	5040	50000	9.9	5000	5.7	6640	50000	
A 70 3_153.7	153.7	18.2	3300	6.9	5410	50000	9.1	4050	4.2	6920	50000	
A 70 4_169.8	169.8	16.5	5000	9.7	1130	50000	8.2	5000	4.9	2520	50000	
A 70 4_183.9	183.9	15.2	5000	9.0	1450	50000	7.6	5000	4.5	2670	50000	
A 70 4_220.3	220.3	12.7	5000	7.5	1560	50000	6.4	5000	3.7	2710	50000	
A 70 4_238.6	238.6	11.7	5000	6.9	1860	50000	5.9	5000	3.5	2770	50000	
A 70 4_292.0	292.0	9.6	5000	5.6	1900	50000	4.8	5000	2.8	2790	50000	
A 70 4_316.4	316.4	8.9	5000	5.2	2110	50000	4.4	5000	2.6	2850	50000	
A 70 4_369.4	369.4	7.6	5000	4.5	2110	50000	3.8	5000	2.2	2840	50000	
A 70 4_400.2	400.2	7.0	5000	4.1	2160	50000	3.5	5000	2.1	2900	50000	
A 70 4_475.8	475.8	5.9	5000	3.5	2150	50000	2.9	5000	1.7	2890	50000	
A 70 4_515.4	515.4	5.4	5000	3.2	2200	50000	2.7	5000	1.6	2940	50000	
A 70 4_595.0	595.0	4.7	5000	2.8	2190	50000	2.4	5000	1.4	2920	50000	
A 70 4_644.6	644.6	4.3	5000	2.6	2230	50000	2.2	5000	1.3	2970	50000	
A 70 4_705.1	705.1	4.0	5000	2.3	2200	50000	2.0	5000	1.2	2940	50000	
A 70 4_763.9	763.9	3.7	5000	2.2	2250	50000	1.8	5000	1.1	2990	50000	
A 70 4_855.3	855.3	3.3	5000	1.9	2220	50000	1.6	5000	0.96	2960	50000	
A 70 4_926.5	926.5	3.0	5000	1.8	2270	50000	1.5	5000	0.89	3000	50000	
A 70 4_1072	1072	2.6	5000	1.5	2240	50000	1.3	5000	0.77	2970	50000	
A 70 4_1161	1161	2.4	5000	1.4	2280	50000	1.2	5000	0.71	3020	50000	
A 70 4_1242	1242	2.3	5000	1.3	2250	50000	1.1	5000	0.66	2980	50000	
A 70 4_1346	1346	2.1	5000	1.2	2290	50000	1.0	5000	0.61	3030	50000	
A 70 4_1583	1583	1.8	5000	1.0	2260	50000	0.88	5000	0.52	2990	50000	
A 70 4_1715	1715	1.6	5000	0.96	2300	50000	0.82	5000	0.48	3040	50000	



A 70

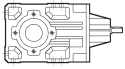

5000 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 70 3_9.4	9.4	95	3000	33	4290	36900	53	3000	18.3	7000	45400	335
A 70 3_10.2	10.2	88	3250	33	4290	37400	49	3250	18.3	7000	46100	
A 70 3_12.1	12.1	75	3650	31	1620	38700	41	3650	17.4	6470	47900	
A 70 3_13.1	13.1	69	3950	31	1650	39200	38	3950	17.4	6500	48600	
A 70 3_15.4	15.4	58	3700	25	3510	42200	32	3700	13.8	7000	50000	
A 70 3_16.7	16.7	54	4000	25	3560	42800	30	4000	13.8	7000	50000	
A 70 3_19.7	19.7	46	3700	19.5	4910	46100	25.4	3700	10.8	7000	50000	
A 70 3_21.3	21.3	42	4000	19.4	4950	46800	23.5	4000	10.8	7000	50000	
A 70 3_23.5	23.5	38	4900	21.6	7000	46300	21.3	5000	12.2	7000	50000	
A 70 3_27.8	27.8	32	4800	17.9	7000	49400	18.0	5000	10.4	7000	50000	
A 70 3_30.1	30.1	29.9	5000	17.2	7000	50000	16.6	5000	9.6	7000	50000	
A 70 3_35.4	35.4	25.4	5000	14.6	7000	50000	14.1	5000	8.1	7000	50000	
A 70 3_38.4	38.4	23.4	5000	13.5	7000	50000	13.0	5000	7.5	7000	50000	
A 70 3_45.2	45.2	19.9	5000	11.4	7000	50000	11.1	5000	6.4	7000	50000	
A 70 3_49.0	49.0	18.4	5000	10.6	7000	50000	10.2	5000	5.9	7000	50000	
A 70 3_53.2	53.2	16.9	5000	9.7	7000	50000	9.4	5000	5.4	7000	50000	
A 70 3_57.7	57.7	15.6	5000	9.0	7000	50000	8.7	5000	5.0	7000	50000	
A 70 3_66.9	66.9	13.4	5000	7.7	7000	50000	7.5	5000	4.3	7000	50000	
A 70 3_72.5	72.5	12.4	5000	7.1	7000	50000	6.9	5000	4.0	7000	50000	
A 70 3_79.3	79.3	11.3	5000	6.5	7000	50000	6.3	5000	3.6	7000	50000	
A 70 3_85.9	85.9	10.5	5000	6.0	7000	50000	5.8	5000	3.3	7000	50000	
A 70 3_96.2	96.2	9.4	5000	5.4	7000	50000	5.2	5000	3.0	7000	50000	
A 70 3_104.2	104.2	8.6	5000	5.0	7000	50000	4.8	5000	2.8	7000	50000	
A 70 3_120.6	120.6	7.5	5000	4.3	7000	50000	4.1	5000	2.4	7000	50000	
A 70 3_130.7	130.7	6.9	5000	4.0	7000	50000	3.8	5000	2.2	7000	50000	
A 70 3_141.9	141.9	6.3	5000	3.7	7000	50000	3.5	5000	2.0	7000	50000	
A 70 3_153.7	153.7	5.9	4600	3.1	7000	50000	3.3	5000	1.9	7000	50000	
A 70 4_169.8	169.8	5.3	5000	3.1	3170	50000	2.9	5000	1.7	3500	50000	
A 70 4_183.9	183.9	4.9	5000	2.9	3240	50000	2.7	5000	1.6	3500	50000	
A 70 4_220.3	220.3	4.1	5000	2.4	3270	50000	2.3	5000	1.3	3500	50000	
A 70 4_238.6	238.6	3.8	5000	2.2	3340	50000	2.1	5000	1.2	3500	50000	
A 70 4_292.0	292.0	3.1	5000	1.8	3350	50000	1.7	5000	1.0	3500	50000	
A 70 4_316.4	316.4	2.8	5000	1.7	3410	50000	1.6	5000	0.93	3500	50000	
A 70 4_369.4	369.4	2.4	5000	1.4	3410	50000	1.4	5000	0.80	3500	50000	
A 70 4_400.2	400.2	2.2	5000	1.3	3460	50000	1.2	5000	0.74	3500	50000	
A 70 4_475.8	475.8	1.9	5000	1.1	3450	50000	1.1	5000	0.62	3500	50000	
A 70 4_515.4	515.4	1.7	5000	1.0	3500	50000	0.97	5000	0.57	3500	50000	
A 70 4_595.0	595.0	1.5	5000	0.89	3480	50000	0.84	5000	0.49	3500	50000	
A 70 4_644.6	644.6	1.4	5000	0.82	3500	50000	0.78	5000	0.46	3500	50000	
A 70 4_705.1	705.1	1.3	5000	0.75	3500	50000	0.71	5000	0.42	3500	50000	
A 70 4_763.9	763.9	1.2	5000	0.69	3500	50000	0.65	5000	0.39	3500	50000	
A 70 4_855.3	855.3	1.1	5000	0.62	3500	50000	0.58	5000	0.34	3500	50000	
A 70 4_926.5	926.5	0.97	5000	0.57	3500	50000	0.54	5000	0.32	3500	50000	
A 70 4_1072	1072	0.84	5000	0.49	3500	50000	0.47	5000	0.27	3500	50000	
A 70 4_1161	1161	0.77	5000	0.46	3500	50000	0.43	5000	0.25	3500	50000	
A 70 4_1242	1242	0.72	5000	0.43	3500	50000	0.40	5000	0.24	3500	50000	
A 70 4_1346	1346	0.67	5000	0.39	3500	50000	0.37	5000	0.22	3500	50000	
A 70 4_1583	1583	0.57	5000	0.33	3500	50000	0.32	5000	0.19	3500	50000	
A 70 4_1715	1715	0.52	5000	0.31	3500	50000	0.29	5000	0.17	3500	50000	



A 80

8000 Nm

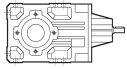

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 80 3_9.8	9.8	285	3100	102	—	26300	142	3900	64	—	32100	338
A 80 3_10.7	10.7	263	3450	104	—	26300	131	4300	65	—	32300	
A 80 3_12.3	12.3	228	3450	91	—	27700	114	4300	56	—	34000	
A 80 3_13.3	13.3	211	3450	84	1150	28700	105	4300	52	1150	35200	
A 80 3_15.5	15.5	181	3300	69	1560	30600	91	4100	43	1730	37600	
A 80 3_16.7	16.7	167	3600	69	1440	30900	84	4500	43	1460	37900	
A 80 3_19.3	19.3	145	3500	58	1870	32800	72	4400	37	1880	40200	
A 80 3_20.9	20.9	134	3840	59	1670	33100	67	4800	37	1740	40600	
A 80 3_22.6	22.6	124	5050	72	4500	31200	62	6250	45	5830	38400	
A 80 3_24.5	24.5	114	5500	72	4470	31300	57	6750	44	5840	38600	
A 80 3_28.2	28.2	99	5350	61	4700	33500	50	6600	38	5960	41200	
A 80 3_30.6	30.6	92	5250	55	4840	34900	46	6450	34	6140	43000	
A 80 3_35.5	35.5	79	5700	52	4700	36000	39	7000	32	6000	44300	
A 80 3_38.5	38.5	73	6150	51	4720	36200	36	7600	32	6000	44500	
A 80 3_44.5	44.5	63	6050	44	4790	38600	31	7450	27	6070	47500	
A 80 3_48.2	48.2	58	6550	44	4790	38800	29.1	8000	27	6090	47900	
A 80 3_55.2	55.2	51	6400	37	4710	41300	25.4	7900	23	6050	50800	
A 80 3_59.8	59.8	47	6950	37	4690	41500	23.4	8000	22	6170	52300	
A 80 3_66.8	66.8	42	6800	33	4670	43700	21.0	8000	19.3	6150	54600	
A 80 3_72.4	72.4	39	7350	33	4680	44000	19.3	8000	17.8	6280	56500	
A 80 3_82.3	82.3	34	7200	28	4570	46600	17.0	8000	15.7	6230	59300	
A 80 3_89.2	89.2	31	7800	28	4570	46900	15.7	8000	14.5	6350	61400	
A 80 3_96.0	96.0	29.2	7500	25	4410	48900	14.6	8000	13.4	6260	63000	
A 80 3_104.0	104.0	26.9	8000	25	4500	49500	13.5	8000	12.4	6380	65000	
A 80 3_116.0	116.0	24.1	7950	22	4230	51700	12.1	8000	11.1	6300	65000	
A 80 3_125.6	125.6	22.3	8000	21	4630	53400	11.1	8000	10.3	6420	65000	
A 80 3_144.7	144.7	19.3	8000	17.8	4320	56400	9.7	8000	8.9	6350	65000	
A 80 3_156.8	156.8	17.9	8000	16.4	4750	58300	8.9	8000	8.2	6460	65000	
A 80 4_171.3	171.3	16.3	8000	15.4	—	65000	8.2	8000	7.7	1230	65000	
A 80 4_214.7	214.7	13.0	8000	12.3	—	65000	6.5	8000	6.1	1400	65000	
A 80 4_232.6	232.6	12.0	8000	11.3	—	65000	6.0	8000	5.7	1810	65000	
A 80 4_277.3	277.3	10.1	8000	9.5	540	65000	5.0	8000	4.8	1930	65000	
A 80 4_300.4	300.4	9.3	8000	8.8	900	65000	4.7	8000	4.4	2290	65000	
A 80 4_354.0	354.0	7.9	8000	7.4	800	65000	4.0	8000	3.7	2190	65000	
A 80 4_383.5	383.5	7.3	8000	6.9	1140	65000	3.7	8000	3.4	2530	65000	
A 80 4_442.1	442.1	6.3	8000	6.0	1040	65000	3.2	8000	3.0	2430	65000	
A 80 4_478.9	478.9	5.8	8000	5.5	1370	65000	2.9	8000	2.8	2670	65000	
A 80 4_560.5	560.5	5.0	8000	4.7	1240	65000	2.5	8000	2.4	2630	65000	
A 80 4_607.2	607.2	4.6	8000	4.3	1550	65000	2.3	8000	2.2	2720	65000	
A 80 4_703.5	703.5	4.0	8000	3.7	1440	65000	2.0	8000	1.9	2690	65000	
A 80 4_762.1	762.1	3.7	8000	3.5	1730	65000	1.8	8000	1.7	2760	65000	
A 80 4_829.5	829.5	3.4	8000	3.2	1530	65000	1.7	8000	1.6	2720	65000	
A 80 4_898.7	898.7	3.1	8000	2.9	1820	65000	1.6	8000	1.5	2780	65000	
A 80 4_1001	1001	2.8	8000	2.6	1620	65000	1.4	8000	1.3	2740	65000	
A 80 4_1085	1085	2.6	8000	2.4	1900	65000	1.3	8000	1.2	2800	65000	
A 80 4_1237	1237	2.3	8000	2.1	1660	65000	1.1	8000	1.1	2750	65000	
A 80 4_1340	1340	2.1	8000	2.0	1940	65000	1.0	8000	0.98	2810	65000	
A 80 4_1438	1438	1.9	8000	1.8	1730	65000	0.97	8000	0.92	2770	65000	
A 80 4_1558	1558	1.8	8000	1.7	2000	65000	0.90	8000	0.85	2830	65000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 80

8000 Nm

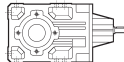

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 80 3_9.8	9.8	92	4450	47	—	36700	51	5300	31	—	43800	338
A 80 3_10.7	10.7	84	4900	48	—	36900	47	5850	32	—	44000	
A 80 3_12.3	12.3	73	4900	41	—	38900	41	5850	27	—	46400	
A 80 3_13.3	13.3	68	4900	38	1360	40200	38	5850	25	1600	47900	
A 80 3_15.5	15.5	58	4650	31	2130	43000	32	5550	21	2530	51300	
A 80 3_16.7	16.7	54	5100	32	1840	43400	29.9	6100	21	2120	51700	
A 80 3_19.3	19.3	47	5000	27	2260	46000	25.9	6000	17.9	2530	54800	
A 80 3_20.9	20.9	43	5470	27	2030	46400	23.9	6500	17.9	2530	55400	
A 80 3_22.6	22.6	40	7100	33	6810	43900	22.1	8000	20.4	7000	53400	
A 80 3_24.5	24.5	37	7700	33	6800	44100	20.4	8000	18.8	7000	55300	
A 80 3_28.2	28.2	32	7550	28	6940	47000	17.7	8000	16.3	7000	58400	
A 80 3_30.6	30.6	29.4	7400	25	7000	49000	16.4	8000	15.1	7000	60400	
A 80 3_35.5	35.5	25.3	8000	23	6980	50600	14.1	8000	13.0	7000	63900	
A 80 3_38.5	38.5	23.4	8000	22	7000	52400	13.0	8000	12.0	7000	65000	
A 80 3_44.5	44.5	20.2	8000	18.6	7000	55400	11.2	8000	10.3	7000	65000	
A 80 3_48.2	48.2	18.7	8000	17.2	7000	57300	10.4	8000	9.6	7000	65000	
A 80 3_55.2	55.2	16.3	8000	15.0	7000	60300	9.1	8000	8.3	7000	65000	
A 80 3_59.8	59.8	15.1	8000	13.9	7000	62300	8.4	8000	7.7	7000	65000	
A 80 3_66.8	66.8	13.5	8000	12.4	7000	65000	7.5	8000	6.9	7000	65000	
A 80 3_72.4	72.4	12.4	8000	11.4	7000	65000	6.9	8000	6.4	7000	65000	
A 80 3_82.3	82.3	10.9	8000	10.1	7000	65000	6.1	8000	5.6	7000	65000	
A 80 3_89.2	89.2	10.1	8000	9.3	7000	65000	5.6	8000	5.2	7000	65000	
A 80 3_96.0	96.0	9.4	8000	8.6	7000	65000	5.2	8000	4.8	7000	65000	
A 80 3_104.0	104.0	8.7	8000	8.0	7000	65000	4.8	8000	4.4	7000	65000	
A 80 3_116.0	116.0	7.8	8000	7.1	7000	65000	4.3	8000	4.0	7000	65000	
A 80 3_125.6	125.6	7.2	8000	6.6	7000	65000	4.0	8000	3.7	7000	65000	
A 80 3_144.7	144.7	6.2	8000	5.7	7000	65000	3.5	8000	3.2	7000	65000	
A 80 3_156.8	156.8	5.7	8000	5.3	7000	65000	3.2	8000	2.9	7000	65000	
A 80 4_171.3	171.3	5.3	8000	4.9	2300	65000	2.9	8000	2.7	3500	65000	
A 80 4_214.7	214.7	4.2	8000	3.9	2470	65000	2.3	8000	2.2	3500	65000	
A 80 4_232.6	232.6	3.9	8000	3.6	2870	65000	2.1	8000	2.0	3500	65000	
A 80 4_277.3	277.3	3.2	8000	3.1	3000	65000	1.8	8000	1.7	3500	65000	
A 80 4_300.4	300.4	3.0	8000	2.8	3120	65000	1.7	8000	1.6	3500	65000	
A 80 4_354.0	354.0	2.5	8000	2.4	3100	65000	1.4	8000	1.3	3500	65000	
A 80 4_383.5	383.5	2.3	8000	2.2	3180	65000	1.3	8000	1.2	3500	65000	
A 80 4_442.1	442.1	2.0	8000	1.9	3160	65000	1.1	8000	1.1	3500	65000	
A 80 4_478.9	478.9	1.9	8000	1.8	3230	65000	1.0	8000	0.98	3500	65000	
A 80 4_560.5	560.5	1.6	8000	1.5	3210	65000	0.89	8000	0.84	3500	65000	
A 80 4_607.2	607.2	1.5	8000	1.4	3280	65000	0.82	8000	0.78	3500	65000	
A 80 4_703.5	703.5	1.3	8000	1.2	3260	65000	0.71	8000	0.67	3500	65000	
A 80 4_762.1	762.1	1.2	8000	1.1	3320	65000	0.66	8000	0.62	3500	65000	
A 80 4_829.5	829.5	1.1	8000	1.0	3280	65000	0.60	8000	0.57	3500	65000	
A 80 4_898.7	898.7	1.0	8000	0.94	3340	65000	0.56	8000	0.52	3500	65000	
A 80 4_1001	1001	0.90	8000	0.85	3300	65000	0.50	8000	0.47	3500	65000	
A 80 4_1085	1085	0.83	8000	0.78	3360	65000	0.46	8000	0.43	3500	65000	
A 80 4_1237	1237	0.73	8000	0.68	3310	65000	0.40	8000	0.38	3500	65000	
A 80 4_1340	1340	0.67	8000	0.63	3370	65000	0.37	8000	0.35	3500	65000	
A 80 4_1438	1438	0.63	8000	0.59	3330	65000	0.35	8000	0.33	3500	65000	
A 80 4_1558	1558	0.58	8000	0.54	3390	65000	0.32	8000	0.30	3500	65000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 90

14000 Nm

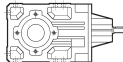

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 90 3_9.7	9.7	289	7800	260	2440	27600	145	9050	151	5520	35000	341
A 90 3_10.5	10.5	267	8350	257	2620	27700	134	9800	151	5530	34900	
A 90 3_12.6	12.6	221	8500	217	2700	29800	111	10450	133	4790	36700	
A 90 3_13.7	13.7	204	8050	189	4670	31800	102	11150	131	5060	36900	
A 90 3_15.6	15.6	180	8900	184	3240	32000	90	10950	113	5410	39400	
A 90 3_16.9	16.9	166	9650	184	3230	31900	83	11850	113	5440	39300	
A 90 3_19.4	19.4	144	9400	156	3160	34300	72	11550	96	5350	42300	
A 90 3_21.0	21.0	133	10150	156	3210	34300	67	12400	95	5510	42400	
A 90 3_22.3	22.3	126	9850	143	9660	35700	63	12150	88	12200	43900	
A 90 3_24.1	24.1	116	10700	143	9660	35500	58	13150	88	12200	43800	
A 90 3_29.1	29.1	96	10550	117	9800	38900	48	13000	72	12400	47900	
A 90 3_31.5	31.5	89	11450	117	9800	38800	44	14000	72	12400	47900	
A 90 3_35.8	35.8	78	11150	100	9910	41600	39	13750	62	12500	51100	
A 90 3_38.8	38.8	72	12100	100	9900	41500	36	14000	58	12700	52700	
A 90 3_44.6	44.6	63	11800	85	9920	44600	31	14000	51	12700	56000	
A 90 3_48.3	48.3	58	12800	85	9920	44500	29.0	14000	47	12800	58000	
A 90 3_55.0	55.0	51	12550	73	9960	47500	25.4	14000	41	12800	61400	
A 90 3_59.6	59.6	47	13550	73	9970	47500	23.5	14000	38	13000	63500	
A 90 3_68.8	68.8	41	13350	63	9960	50900	20.4	14000	33	13000	67400	
A 90 3_74.5	74.5	38	14000	61	10000	51700	18.8	14000	30	13100	69700	
A 90 3_80.4	80.4	35	13900	56	9920	53500	17.4	14000	28	13000	71900	
A 90 3_87.1	87.1	32	14000	52	10100	55500	16.1	14000	26	13200	74300	
A 90 3_98.6	98.6	28.4	14000	46	9990	58500	14.2	14000	23	13100	75000	
A 90 3_106.8	106.8	26.2	14000	42	10100	60600	13.1	14000	21	13300	75000	
A 90 3_116.9	116.9	24.0	14000	39	10100	63000	12.0	14000	19.3	13200	75000	
A 90 3_126.6	126.6	22.1	10650	27	10600	71400	11.1	13150	16.7	13400	75000	
A 90 3_139.4	139.4	20.1	10350	24	10600	74500	10.0	12750	14.7	13400	75000	
A 90 3_151.0	151.0	18.5	11200	24	10600	75000	9.3	13800	14.7	13400	75000	
A 90 4_166.1	166.1	16.9	14000	28	—	75000	8.4	14000	13.9	—	75000	
A 90 4_180.0	180.0	15.6	14000	26	—	75000	7.8	14000	12.8	—	75000	
A 90 4_209.0	209.0	13.4	14000	22	—	75000	6.7	14000	11.0	—	75000	
A 90 4_226.4	226.4	12.4	14000	20	—	75000	6.2	14000	10.2	—	75000	
A 90 4_281.4	281.4	9.9	14000	16.4	—	75000	5.0	14000	8.2	—	75000	
A 90 4_304.9	304.9	9.2	14000	15.1	—	75000	4.6	14000	7.6	—	75000	
A 90 4_355.8	355.8	7.9	14000	13.0	—	75000	3.9	14000	6.5	—	75000	
A 90 4_385.4	385.4	7.3	14000	12.0	—	75000	3.6	14000	6.0	680	75000	
A 90 4_449.2	449.2	6.2	14000	10.3	—	75000	3.1	14000	5.1	—	75000	
A 90 4_486.6	486.6	5.8	14000	9.5	—	75000	2.9	14000	4.7	950	75000	
A 90 4_555.3	555.3	5.0	14000	8.3	—	75000	2.5	14000	4.2	740	75000	
A 90 4_601.6	601.6	4.7	14000	7.7	—	75000	2.3	14000	3.8	1200	75000	
A 90 4_707.9	707.9	4.0	14000	6.5	—	75000	2.0	14000	3.3	1050	75000	
A 90 4_766.9	766.9	3.7	14000	6.0	—	75000	1.8	14000	3.0	1490	75000	
A 90 4_865.1	865.1	3.2	14000	5.3	—	75000	1.6	14000	2.7	1170	75000	
A 90 4_937.2	937.2	3.0	14000	4.9	—	75000	1.5	14000	2.5	1590	75000	
A 90 4_1025	1025	2.7	14000	4.5	—	75000	1.4	14000	2.2	1330	75000	
A 90 4_1111	1111	2.5	14000	4.2	—	75000	1.3	14000	2.1	1740	75000	
A 90 4_1222	1222	2.3	14000	3.8	—	75000	1.1	14000	1.9	1380	75000	
A 90 4_1324	1324	2.1	14000	3.5	—	75000	1.1	14000	1.7	1790	75000	
A 90 4_1507	1507	1.9	14000	3.1	—	75000	0.93	14000	1.5	1440	75000	
A 90 4_1632	1632	1.7	14000	2.8	—	75000	0.86	14000	1.4	1840	75000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 90

14000 Nm

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	n ₂ min ⁻¹	M _{n2} Nm	P _{n1} kW	R _{n1} N	R _{n2} N	
A 90 3_9.7	9.7	93	9050	97	9800	42300	52	9050	54	15000	53700	341
A 90 3_10.5	10.5	86	9800	97	9810	42500	48	9800	54	15000	54200	
A 90 3_12.6	12.6	71	11800	97	6720	42100	40	11800	54	13500	54500	
A 90 3_13.7	13.7	66	12750	96	6770	42100	37	12800	54	13500	54600	
A 90 3_15.6	15.6	58	11550	77	8730	46700	32	11550	43	15000	59900	
A 90 3_16.9	16.9	53	12500	77	8750	46800	29.6	12500	43	15000	60300	
A 90 3_19.4	19.4	46	11550	62	9630	51400	25.8	11550	34	15000	65400	
A 90 3_21.0	21.0	43	12400	61	9790	51700	23.8	12400	34	15000	66100	
A 90 3_22.3	22.3	40	13850	64	14200	50200	22.5	14000	36	15000	64700	
A 90 3_24.1	24.1	37	14000	60	14400	51900	20.7	14000	33	15000	66900	
A 90 3_29.1	29.1	31	14000	50	14600	56200	17.2	14000	28	15000	72100	
A 90 3_31.5	31.5	28.6	14000	46	14800	58400	15.9	14000	26	15000	74700	
A 90 3_35.8	35.8	25.1	14000	40	14900	61700	14.0	14000	23	15000	75000	
A 90 3_38.8	38.8	23.2	14000	37	15000	63900	12.9	14000	21	15000	75000	
A 90 3_44.6	44.6	20.2	14000	33	15000	67700	11.2	14000	18.1	15000	75000	
A 90 3_48.3	48.3	18.6	14000	30	15000	70000	10.4	14000	16.7	15000	75000	
A 90 3_55.0	55.0	16.4	14000	26	15000	73800	9.1	14000	14.6	15000	75000	
A 90 3_59.6	59.6	15.1	14000	24	15000	75000	8.4	14000	13.5	15000	75000	
A 90 3_68.8	68.8	13.1	14000	21	15000	75000	7.3	14000	11.7	15000	75000	
A 90 3_74.5	74.5	12.1	14000	19.5	15000	75000	6.7	14000	10.8	15000	75000	
A 90 3_80.4	80.4	11.2	14000	18.0	15000	75000	6.2	14000	10.0	15000	75000	
A 90 3_87.1	87.1	10.3	14000	16.7	15000	75000	5.7	14000	9.3	15000	75000	
A 90 3_98.6	98.6	9.1	14000	14.7	15000	75000	5.1	14000	8.2	15000	75000	
A 90 3_106.8	106.8	8.4	14000	13.6	15000	75000	4.7	14000	7.5	15000	75000	
A 90 3_116.9	116.9	7.7	14000	12.4	15000	75000	4.3	14000	6.9	15000	75000	
A 90 3_126.6	126.6	7.1	14000	11.4	15000	75000	3.9	14000	6.4	15000	75000	
A 90 3_139.4	139.4	6.5	14000	10.4	15000	75000	3.6	14000	5.8	15000	75000	
A 90 3_151.0	151.0	6.0	14000	9.6	15000	75000	3.3	14000	5.3	15000	75000	
A 90 4_166.1	166.1	5.4	14000	8.9	—	75000	3.0	14000	5.0	700	75000	
A 90 4_180.0	180.0	5.0	14000	8.2	—	75000	2.8	14000	4.6	1400	75000	
A 90 4_209.0	209.0	4.3	14000	7.1	—	75000	2.4	14000	3.9	1500	75000	
A 90 4_226.4	226.4	4.0	14000	6.5	500	75000	2.2	14000	3.6	2100	75000	
A 90 4_281.4	281.4	3.2	14000	5.3	690	75000	1.8	14000	2.9	2300	75000	
A 90 4_304.9	304.9	3.0	14000	4.9	1230	75000	1.6	14000	2.7	2900	75000	
A 90 4_355.8	355.8	2.5	14000	4.2	1240	75000	1.4	14000	2.3	2900	75000	
A 90 4_385.4	385.4	2.3	14000	3.8	1750	75000	1.3	14000	2.1	3400	75000	
A 90 4_449.2	449.2	2.0	14000	3.3	1540	75000	1.1	14000	1.8	3200	75000	
A 90 4_486.6	486.6	1.8	14000	3.0	2020	75000	1.0	14000	1.7	3500	75000	
A 90 4_555.3	555.3	1.6	14000	2.7	1810	75000	0.90	14000	1.5	3500	75000	
A 90 4_601.6	601.6	1.5	14000	2.5	2270	75000	0.83	14000	1.4	3500	75000	
A 90 4_707.9	707.9	1.3	14000	2.1	2120	75000	0.71	14000	1.2	3500	75000	
A 90 4_766.9	766.9	1.2	14000	1.9	2560	75000	0.65	14000	1.1	3500	75000	
A 90 4_865.1	865.1	1.0	14000	1.7	2240	75000	0.58	14000	0.95	3500	75000	
A 90 4_937.2	937.2	0.96	14000	1.6	2660	75000	0.53	14000	0.88	3500	75000	
A 90 4_1025	1025	0.88	14000	1.4	2400	75000	0.49	14000	0.80	3500	75000	
A 90 4_1111	1111	0.81	14000	1.3	2810	75000	0.45	14000	0.74	3500	75000	
A 90 4_1222	1222	0.74	14000	1.2	2450	75000	0.41	14000	0.67	3500	75000	
A 90 4_1324	1324	0.68	14000	1.1	2860	75000	0.38	14000	0.62	3500	75000	
A 90 4_1507	1507	0.60	14000	0.98	2410	75000	0.33	14000	0.55	3500	75000	
A 90 4_1632	1632	0.55	14000	0.91	2910	75000	0.31	14000	0.50	3500	75000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)




40 MOTOR AVAILABILITY





Please be aware that motor-gearbox combinations resulting from the following charts are purely based on geometrical compatibility.

When selecting a gearmotor, refer to procedure specified at paragraph 12 and observe particularly the condition $S \geq f_s$.

(C 40)

		IEC_     (IM B5)																			
		BN	BE	BXN	BN	BE	BXN	BN	BE	BX	BXN	BN	BE	BX	BXN	BN	BE	BX	BN	BE	BX
P _{n1} (#) [kW]	2p	0.37	—	—	0.75	—	—	1.5	1.1	—	—	2.2	2.2	—	—	4	3	—	4	4	—
	4p	0.25	0.18	0.18	0.55	0.37	0.37	1.1	0.75	0.75	0.75	1.85	1.5	1.5	1.5	3	3	3	4	4	4
	6p	0.12	—	—	0.37	—	—	0.75	—	—	—	1.1	0.75	—	—	1.85	1.5	—	2.2	2.2	—
		P63			P71			P80				P90				P100			P112		
A 05 2		5.5_91.6			5.5_51.3			5.5_51.3													
A 10 2		5.5_91.6			5.5_91.6			5.5_65.9				5.5_65.9				5.5_65.9			5.5_65.9		
A 20 2		7.3_92.3 ⊖(10.3)			7.3_92.3 ⊖(10.3)			5.4_79.9				5.4_79.9				5.4_79.9			5.4_79.9		
A 20 3		109.2_380.9			109.2_380.9			109.2_380.9				109.2_380.9				109.2_380.9			109.2_380.9		
A 30 2		9.3_97.5 ⊖(10.5; 13.6_16.3)			9.3_97.5 ⊖(10.5; 13.6_16.3)			5.4_97.5				5.4_97.5				5.4_97.5			5.4_97.5		
A 30 3		109.1_400.8			109.1_400.8			109.1_400.8				109.1_400.8				109.1_400.8			109.1_400.8		
A 35 2		9.3_95.6 ⊖(13.1_20.4)			9.3_95.6 ⊖(13.1_20.4)			5.4_95.6				5.4_95.6				5.4_95.6			5.4_95.6		
A 35 3		105.5_393.2			105.5_393.2			105.5_393.2				105.5_393.2				105.5_393.2			105.5_393.2		
A 41 2		11.7_79.2 ⊖(13.8_17.8)			11.7_79.2 ⊖(13.8_17.8)			5.2_79.2				5.2_79.2				5.2_79.2			5.2_79.2		
A 41 3		92.8_376.8			92.8_376.8			92.8_376.8				92.8_376.8				92.8_376.8			92.8_376.8		
A 50 2		20.9			20.9			7.7_20.9				7.7_20.9				7.7_20.9			7.7_20.9		
A 50 3		51.7_190.6			51.7_190.6			24.0_190.6				24.0_190.6				24.0_190.6			24.0_190.6		
A 50 4		211.0_778.2			211.0_778.2			211.0_778.2				211.0_778.2				211.0_778.2			211.0_778.2		
A 55 2								13.1_19.2				13.1_19.2				13.1_19.2			13.1_19.2		
A 55 3		64.3_194.2			64.3_194.2			23.8_194.2				23.8_194.2				23.8_194.2			23.8_194.2		
A 55 4		208.1_793.0			208.1_793.0			208.1_793.0				208.1_793.0				208.1_793.0			208.1_793.0		
A 60 2								10.3_20.6				10.3_20.6				10.3_20.6			10.3_20.6		
A 60 3		65.0_185.8			65.0_185.8			25.7_185.8				25.7_185.8				25.7_185.8			25.7_185.8		
A 60 4		208.7_755.4			208.7_755.4			208.7_755.4				208.7_755.4				208.7_755.4			208.7_755.4		
A 70 3								66.9_153.7				66.9_153.7				66.9_153.7			66.9_153.7		
A 70 4		292.0_1715			292.0_1715			169.8_1715				169.8_1715				169.8_1715			169.8_1715		
A 80 3								82.3_156.8				82.3_156.8				82.3_156.8			82.3_156.8		
A 80 4		354.0_1558			354.0_1558			171.3_1558				171.3_1558				171.3_1558			171.3_1558		
A 90 3								98.6_151.0				98.6_151.0				98.6_151.0			98.6_151.0		
A 90 4		449.2_1632			449.2_1632			166.1_1632				166.1_1632				166.1_1632			166.1_1632		







		IEC_     (IM B5)														
		BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BX	BX	IEC	BX	IEC
P _{n1} (#) [kW]	2p	9.2	9.2	—	18.5	18.5	—	22	—	—	30	—	—	45	—	55
	4p	9.2	9.2	7.5	15	15	15	22	22	22	30	30	45	45	55	55
	6p	5.5	4	—	11	7.5	—	15	—	—	18.5	—	—	30	—	37
		P132			P160			P180			P200		P225		P250	
A 05 2	i =															
A 10 2																
A 20 2																
A 20 3																
A 30 2																
A 30 3																
A 35 2		5.4_11.8														
A 35 3																
A 41 2		5.2_45.1														
A 41 3																
A 50 2		7.7_20.9			7.7_20.9			7.7_20.9								
A 50 3		24.0_109.4			24.0_109.4			24.0_109.4								
A 50 4																
A 55 2		4.9_19.2			4.9_19.2			4.9_19.2								
A 55 3		23.8_123.9			23.8_123.9			23.8_123.9								
A 55 4																
A 60 2		7.9_20.6			7.9_20.6			7.9_20.6								
A 60 3		25.7_133.3			25.7_133.3			25.7_133.3								
A 60 4																
A 70 3		15.4_153.7 ☯ (23.5_30.1)			9.4_153.7			9.4_153.7			9.4_38.4 ☯ (19.7_21.3)					
A 70 4		169.8_644.6														
A 80 3		19.3_156.8 ☯ (22.6_38.5)			12.3_156.8 ☯ (22.6_24.5)			9.8_156.8			9.8_104.0		9.8_104.0			
A 80 4		171.3_762.1														
A 90 3	55.0_151.0			19.4_151.0 ☯ (22.3_38.8)			9.7_151.0			9.7_126.6		9.7_126.6		9.7_126.6		
A 90 4	166.1_937.2			166.1_937.2			166.1_937.2									

(#) **P_{n1}** = maximum installable power on input P_



(C 41)

		<div></div>					
		M05 - ME05 - MXN05	M1 - ME1 - MXN10	ME2 - MX2 - MXN20	ME3 - MX4	ME4 - MX4	ME5 - MX5
A 05 2	i =	5.5_91.6	5.5_51.3	5.5_65.9			
A 10 2		5.5_91.6	5.5_51.3	5.5_65.9	5.5_65.9		
A 20 2		7.3_92.3 ⊖ (10.3)	7.3_63.1 ⊖ (10.3)	5.4_79.9	5.4_79.9		
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9		
A 30 2			9.3_76.5 ⊖ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5		
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8		
A 35 2			9.3_95.6 ⊖ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_11.8	
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2		
A 41 2			11.7_79.2 ⊖ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_45.1	
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8		
A 50 2			20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9
A 50 3			51.7_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4
A 50 4			211.0_778.2	211.0_778.2	211.0_778.2		
A 55 2				13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2
A 55 3			64.3_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9
A 55 4			208.1_793.0	208.1_793.0	208.1_793.0		
A 60 2				10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6
A 60 3				25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3
A 60 4			208.7_755.4	208.7_755.4	208.7_755.4		
A 70 3				66.9_153.7	66.9_153.7	15.4_153.7 ⊖ (23.5_30.1)	15.4_153.7 ⊖ (23.5_30.1)
A 70 4			292.0_1715	169.8_1715	169.8_1715	169.8_644.6	
A 80 3					82.3_156.8 ⊖ (22.6_38.5)	19.3_156.8 ⊖ (22.6_38.5)	19.3_156.8 ⊖ (22.6_38.5)
A 80 4			354.0_1558	171.3_1558	171.3_1558	171.3_762.1	
A 90 3					98.6_151.0	55.0_151.0	55.0_151.0
A 90 4			449.2_1632	166.1_1632	166.1_1632	166.1_937.2	



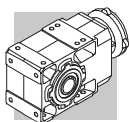
Motor adapters matching the most popular brands of servomotors are available for units size A05... A60. Dimensions of servomotor inputs are provided within the drawing section for each frame size. The code **SK** applies for inputs featuring a conventional keyway, while through the specification of the **SC** code the input shaft will feature a clamping device instead.

(C 42)

		SERVO INPUT					
		SK40A	SK60A	SK60B	SK80A	SK80B	SK80C
		SC40A	SC60A	SC60B	SC80A	SC80B	SC80C
A 05 2	i =	5.5_91.6	5.5_91.6	5.5_51.3	5.5_51.3		
A 10 2			5.5_91.6	5.5_51.3	5.5_51.3		5.5_65.9
A 20 2			7.3_92.3 ⌀ (10.3)	7.3_63.1 ⌀ (10.3)	7.3_63.1 ⌀ (10.3)		5.4_79.9
A 20 3			109.2_380.9	109.2_380.9	109.2_380.9		109.2_380.9
A 30 2			9.3_97.5 ⌀ (10.5 ; 13.6_16.3)	9.3_76.5 ⌀ (10.5 ; 13.6_16.3)	9.3_76.5 ⌀ (10.5 ; 13.6_16.3)		5.4_97.5
A 30 3			109.1_400.8	109.1_400.8	109.1_400.8		109.1_400.8
A 35 2			9.3_95.6 ⌀ (13.1_20.4)	9.3_95.6 ⌀ (13.1_20.4)	9.3_95.6 ⌀ (13.1_20.4)		5.4_95.6
A 35 3			105.5_393.2	105.5_393.2	105.5_393.2		105.5_393.2
A 41 2						11.7_79.2 ⌀ (13.8_17.8)	5.2_79.2
A 41 3			92.8_376.8	92.8_376.8	92.8_376.8		92.8_376.8
A 50 2						20.9	7.7_20.9
A 50 3						51.7_190.6	24.0_190.6
A 50 4							211.0_778.2
A 55 2							13.1_19.2
A 55 3						64.3_194.2	23.8_194.2
A 55 4							208.1_793.0
A 60 2							10.3_20.6
A 60 3							25.7_185.8
A 60 4						208.7_755.4	208.7_755.4

(C 43)

		SERVO INPUT							
		SK95A	SK95B	SK95C	SK110A	SK110B	SK130A	SK130B	SK180A
		SC95A	SC95B	SC95C	SC110A	SC110B	SC130A	SC130B	SC180A
A 10 2	i =	5.5_51.3	5.5_65.9	5.5_65.9	5.5_65.9	5.5_65.9			
A 20 2		7.3_63.1 ⌀ (10.3)	5.4_79.9	5.4_79.9	5.4_79.9	5.4_79.9			
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9			
A 30 2		9.3_76.5 ⌀ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5		
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8			
A 35 2		9.3_95.6 ⌀ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6		
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2			
A 41 2		11.7_79.2 ⌀ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_45.1	5.2_45.1
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8			
A 50 2		20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9
A 50 3		51.7_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4
A 50 4		211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2		
A 55 2			13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2
A 55 3		64.3_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9
A 55 4		208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0		
A 60 2			10.3_20.6	10.3_20.6	10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6	7.9_20.6
A 60 3		65.0_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3	25.7_133.3
A 60 4		208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4		

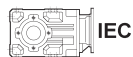


41 MOMENT OF INERTIA

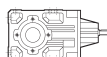
The following charts indicate moment of inertia values J_r [kgm²] referred to the gear unit high speed shaft. A key to the symbols used follows:



Values under this icon refer to compact gear units, without motor. To obtain the overall moment of inertia for the gearmotor just add the value of the inertia for the specific compact motor, given in the relevant rating chart.



Values under this symbol refer to gearboxes with IEC motor adaptor (IEC size...).



This symbol refers to gearbox values.




Values under this symbol refer to gear unit with servomotor input adapter.

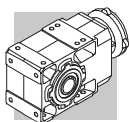
A 05

	i	J (•10 ⁻⁴) [kgm ²]				
			63	71	80	
A 05 2_5.5	5.5	0.72	0.99	1.0	1.4	—
A 05 2_6.3	6.3	0.56	0.83	0.86	1.2	—
A 05 2_7.2	7.2	0.48	0.74	0.77	1.1	—
A 05 2_8.5	8.5	0.36	0.63	0.65	1.0	—
A 05 2_9.6	9.6	0.29	0.55	0.58	0.92	—
A 05 2_10.6	10.6	0.50	0.77	0.80	1.1	—
A 05 2_12.3	12.3	0.18	0.45	0.48	0.82	—
A 05 2_13.9	13.9	0.35	0.62	0.65	0.99	—
A 05 2_16.4	16.4	0.27	0.54	0.57	0.91	—
A 05 2_18.6	18.6	0.22	0.49	0.51	0.86	—
A 05 2_21.4	21.4	0.16	0.43	0.46	0.80	—
A 05 2_23.8	23.8	0.14	0.41	0.43	0.78	—
A 05 2_25.5	25.5	0.13	0.39	0.42	0.76	—
A 05 2_28.6	28.6	0.11	0.38	0.40	0.75	—
A 05 2_32.2	32.2	0.09	0.36	0.39	0.73	—
A 05 2_35.1	35.1	0.08	0.35	0.37	0.72	—
A 05 2_40.9	40.9	0.07	0.33	0.36	0.70	—
A 05 2_45.4	45.4	0.05	0.32	0.35	0.69	—
A 05 2_51.3	51.3	0.04	0.31	0.34	0.68	—
A 05 2_58.6	58.6	0.04	0.31	—	—	—
A 05 2_65.9	65.9	0.03	0.30	—	—	—
A 05 2_76.4	76.4	0.02	0.29	—	—	—
A 05 2_91.6	91.6	0.02	0.28	—	—	—



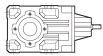


A 05

	i	J ($\cdot 10^{-4}$) [kgm ²]					
		 SERVO					
		40A		60A		60B 80A	
		SK	SC	SK	SC	SK	SC
A 05 2_5.5	5.5	0.89	1.1	0.99	1.3	1.0	1.4
A 05 2_6.3	6.3	0.73	0.89	0.83	1.1	0.86	1.3
A 05 2_7.2	7.2	0.65	0.81	0.74	1.0	0.77	1.2
A 05 2_8.5	8.5	0.53	0.69	0.63	0.89	0.65	1.1
A 05 2_9.6	9.6	0.46	0.62	0.55	0.81	0.58	1.0
A 05 2_10.6	10.6	0.67	0.83	0.77	1.0	0.80	1.2
A 05 2_12.3	12.3	0.35	0.51	0.45	0.71	0.48	0.92
A 05 2_13.9	13.9	0.52	0.68	0.62	0.88	0.65	1.1
A 05 2_16.4	16.4	0.44	0.60	0.54	0.80	0.57	1.0
A 05 2_18.6	18.6	0.39	0.55	0.49	0.75	0.51	0.95
A 05 2_21.4	21.4	0.33	0.49	0.43	0.69	0.46	0.90
A 05 2_23.8	23.8	0.31	0.47	0.41	0.67	0.43	0.87
A 05 2_25.5	25.5	0.30	0.46	0.39	0.65	0.42	0.86
A 05 2_28.6	28.6	0.28	0.44	0.38	0.64	0.40	0.84
A 05 2_32.2	32.2	0.26	0.42	0.36	0.62	0.39	0.83
A 05 2_35.1	35.1	0.25	0.41	0.35	0.61	0.37	0.81
A 05 2_40.9	40.9	0.24	0.40	0.33	0.59	0.36	0.80
A 05 2_45.4	45.4	0.22	0.38	0.32	0.58	0.35	0.79
A 05 2_51.3	51.3	0.21	0.37	0.31	0.57	0.34	0.78
A 05 2_58.6	58.6	0.21	0.37	0.31	0.57	—	—
A 05 2_65.9	65.9	0.20	0.36	0.30	0.56	—	—
A 05 2_76.4	76.4	0.19	0.35	0.29	0.55	—	—
A 05 2_91.6	91.6	0.19	0.35	0.28	0.54	—	—




A 10

	i	J (•10 ⁻⁴) [kgm ²]							
			 IEC						
			63	71	80	90	100	112	
A 10 2_5.5	5.5	1.0	2.5	2.5	3.9	3.8	5.1	5.1	1.8
A 10 2_6.3	6.3	0.80	2.3	2.3	3.7	3.6	4.9	4.9	1.6
A 10 2_7.2	7.2	0.60	2.1	2.1	3.5	3.4	4.7	4.7	1.5
A 10 2_8.5	8.5	0.45	1.9	1.9	3.3	3.1	4.5	4.5	1.4
A 10 2_9.6	9.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	1.3
A 10 2_10.6	10.6	0.50	2.0	2.0	3.4	3.3	4.6	4.6	1.4
A 10 2_12.3	12.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	1.1
A 10 2_13.9	13.9	0.30	1.8	1.8	3.2	3.1	4.6	4.6	1.2
A 10 2_16.4	16.4	0.25	1.7	1.7	3.1	3.0	4.3	4.3	1.1
A 10 2_18.6	18.6	0.20	1.7	1.7	3.1	3.0	4.3	4.3	1.0
A 10 2_21.4	21.4	0.15	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_23.8	23.8	0.10	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_25.5	25.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_28.6	28.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_32.2	32.2	0.08	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_35.1	35.1	0.07	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_40.9	40.9	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_45.4	45.4	0.05	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_51.3	51.3	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_58.6	58.6	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_65.9	65.9	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_76.4	76.4	0.02	1.5	1.5	—	—	—	—	0.90
A 10 2_91.6	91.6	0.01	1.5	1.5	—	—	—	—	0.90



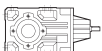


A 10

	i	J (•10 ⁻⁴) [kgm ²]									
		 SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 10 2_5.5	5.5	1.3	1.5	1.3	1.7	3.8	4.3	3.9	4.4	3.8	4.8
A 10 2_6.3	6.3	1.1	1.3	1.1	1.5	3.6	4.1	3.7	4.2	3.6	4.6
A 10 2_7.2	7.2	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4
A 10 2_8.5	8.5	0.72	0.98	0.74	1.2	3.3	3.7	3.3	3.8	3.1	4.1
A 10 2_9.6	9.6	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 10 2_10.6	10.6	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3
A 10 2_12.3	12.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 10 2_13.9	13.9	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 10 2_16.4	16.4	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0
A 10 2_18.6	18.6	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 10 2_21.4	21.4	0.42	0.68	0.44	0.88	3.0	3.4	3.0	3.5	2.9	3.9
A 10 2_23.8	23.8	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_25.5	25.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_28.6	28.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_32.2	32.2	0.35	0.61	0.37	0.81	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_35.1	35.1	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_40.9	40.9	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_45.4	45.4	0.32	0.58	0.34	0.78	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_51.3	51.3	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
A 10 2_58.6	58.6	0.30	0.56	—	—	—	—	2.9	3.4	2.8	3.8
A 10 2_65.9	65.9	0.29	0.55	—	—	—	—	2.9	3.4	2.8	3.8
A 10 2_76.4	76.4	0.29	0.55	—	—	—	—	—	—	—	—
A 10 2_91.6	91.6	0.28	0.54	—	—	—	—	—	—	—	—




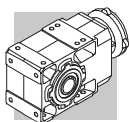
A 20

	i	J (•10-4) [kgm²]							
			 IEC						
			63	71	80	90	100	112	
A 20 2_5.4	5.4	2.4	—	—	5.3	5.2	6.5	6.5	4.3
A 20 2_6.5	6.5	1.9	—	—	4.8	4.7	6.0	6.0	3.8
A 20 2_7.3	7.3	1.4	2.9	2.9	4.3	4.2	5.5	5.5	3.3
A 20 2_8.4	8.4	1.1	2.6	2.6	4.0	3.9	5.2	5.2	3.0
A 20 2_9.4	9.4	0.90	2.4	2.4	3.8	3.7	5.0	5.0	2.8
A 20 2_10.3	10.3	1.2	—	—	4.1	4.0	5.3	5.3	3.0
A 20 2_12.0	12.0	0.50	2.0	2.0	3.4	3.3	4.6	4.6	2.4
A 20 2_14.1	14.1	0.70	2.2	2.2	3.6	3.5	4.8	4.8	2.6
A 20 2_16.2	16.2	0.55	2.0	2.0	3.4	3.3	4.6	4.6	2.5
A 20 2_18.1	18.1	0.40	1.9	1.9	3.3	3.2	4.5	4.5	2.4
A 20 2_21.2	21.2	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.3
A 20 2_23.1	23.1	0.30	1.8	1.8	3.2	3.1	4.4	4.4	2.2
A 20 2_26.5	26.5	0.25	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_29.2	29.2	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_31.3	31.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_35.4	35.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_39.6	39.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_43.2	43.2	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_48.3	48.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_53.7	53.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_63.1	63.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_71.0	71.0	0.05	1.5	1.5	2.9	2.8	4.1	4.1	2.0
A 20 2_79.9	79.9	0.03	1.5	1.5	2.9	2.8	4.1	4.1	2.0
A 20 2_92.3	92.3	0.02	1.5	1.5	—	—	—	—	2.0
A 20 3_109.2	109.2	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_120.5	120.5	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_129.1	129.1	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_146.1	146.1	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_163.4	163.4	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_178.3	178.3	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_199.2	199.2	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_221.3	221.3	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_260.5	260.5	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_292.8	292.8	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_329.4	329.4	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_380.9	380.9	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90



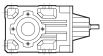


A 20

	i	J (•10 ⁻⁴) [kgm ²]									
		 SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 20 2_5.4	5.4	—	—	—	—	—	—	5.3	5.8	5.2	6.2
A 20 2_6.5	6.5	—	—	—	—	—	—	4.8	5.3	4.7	5.7
A 20 2_7.3	7.3	1.7	1.9	1.7	2.1	4.2	4.7	4.3	4.8	4.2	5.2
A 20 2_8.4	8.4	1.4	1.6	1.4	1.8	3.9	4.6	4.0	4.5	3.9	4.9
A 20 2_9.4	9.4	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7
A 20 2_10.3	10.3	—	—	—	—	—	—	4.1	4.6	4.0	5.0
A 20 2_12.0	12.0	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3
A 20 2_14.1	14.1	0.97	1.2	0.99	1.4	3.5	4.0	3.6	4.1	3.5	4.5
A 20 2_16.2	16.2	0.82	1.1	0.84	1.3	3.4	3.8	3.4	3.9	3.3	4.3
A 20 2_18.1	18.1	0.67	0.93	0.69	1.1	3.2	3.7	3.3	3.8	3.2	4.2
A 20 2_21.2	21.2	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1
A 20 2_23.1	23.1	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 20 2_26.5	26.5	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0
A 20 2_29.2	29.2	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_31.3	31.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_35.4	35.4	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_39.6	39.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_43.2	43.2	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_48.3	48.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_53.7	53.7	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_63.1	63.1	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_71.0	71.0	0.32	0.58	—	—	—	—	2.9	3.4	2.8	3.8
A 20 2_79.9	79.9	0.30	0.56	—	—	—	—	2.9	3.4	2.8	3.8
A 20 2_92.3	92.3	0.29	0.55	—	—	—	—	—	—	—	—
A 20 3_109.2	109.2	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_120.5	120.5	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_129.1	129.1	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_146.1	146.1	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_163.4	163.4	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_178.3	178.3	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_199.2	199.2	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_221.3	221.3	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_260.5	260.5	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_292.8	292.8	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_329.4	329.4	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_380.9	380.9	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8




A 30

	i	J (•10 ⁻⁴) [kgm ²]							
			 IEC						
			63	71	80	90	100	112	
A 30 2_5.4	5.4	4.5	—	—	7.4	7.3	8.6	8.6	6.9
A 30 2_6.4	6.4	3.4	—	—	6.6	6.6	7.8	7.8	6.0
A 30 2_7.0	7.0	2.9	—	—	5.8	5.8	7.0	7.0	5.2
A 30 2_8.5	8.5	2.2	—	—	5.1	5.1	6.3	6.3	4.6
A 30 2_9.3	9.3	1.6	3.1	3.1	4.5	4.4	5.7	5.7	4.0
A 30 2_10.5	10.5	2.3	—	—	5.2	5.1	6.4	6.4	4.6
A 30 2_11.8	11.8	1.1	2.6	2.6	4.0	3.9	5.2	5.2	3.4
A 30 2_13.6	13.6	1.5	—	—	4.4	4.3	5.6	5.6	3.9
A 30 2_16.3	16.3	1.2	—	—	4.1	4.0	5.3	5.3	3.5
A 30 2_18.0	18.0	0.90	2.4	2.4	3.8	3.7	5.0	5.0	3.2
A 30 2_20.5	20.5	0.70	2.2	2.2	3.6	3.5	4.8	4.8	3.1
A 30 2_22.8	22.8	0.60	2.1	2.1	3.5	3.4	4.7	4.7	3.0
A 30 2_26.5	26.5	0.50	2.0	2.0	3.4	3.3	4.6	4.6	2.9
A 30 2_29.3	29.3	0.40	1.9	1.9	3.3	3.2	4.5	4.5	2.8
A 30 2_33.4	33.4	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.7
A 30 2_36.6	36.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	2.7
A 30 2_39.3	39.3	0.25	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_43.4	43.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_48.3	48.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_52.7	52.7	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.5
A 30 2_59.4	59.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_66.0	66.0	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_76.5	76.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_86.7	86.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_97.5	97.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.4
A 30 3_109.1	109.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_120.5	120.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_137.4	137.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_150.7	150.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_161.4	161.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_178.5	178.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_198.5	198.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_216.6	216.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_244.3	244.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_271.5	271.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_314.5	314.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_356.3	356.3	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_400.8	400.8	0.04	1.5	1.6	2.9	2.8	4.1	4.1	0.90



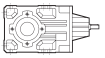


A 30

	i	J (•10 ⁻⁴) [kgm ²]											
		 SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 30 2_5.4	5.4	—	—	—	—	—	—	7.4	7.9	7.3	8.3	7.3	8.3
A 30 2_6.4	6.4	—	—	—	—	—	—	6.6	7.1	6.6	7.6	6.6	7.6
A 30 2_7.0	7.0	—	—	—	—	—	—	5.8	6.3	5.8	6.8	5.8	6.8
A 30 2_8.5	8.5	—	—	—	—	—	—	5.1	5.6	5.1	6.1	5.1	6.1
A 30 2_9.3	9.3	1.9	2.1	1.9	2.3	4.4	4.9	4.5	5.0	4.4	5.4	4.4	5.4
A 30 2_10.5	10.5	—	—	—	—	—	—	5.2	5.7	5.1	6.1	5.1	6.1
A 30 2_11.8	11.8	1.4	1.6	1.4	1.8	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9
A 30 2_13.6	13.6	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
A 30 2_16.3	16.3	—	—	—	—	—	—	4.1	4.6	4.0	5.0	4.0	5.0
A 30 2_18.0	18.0	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7	3.7	4.7
A 30 2_20.5	20.5	0.97	1.2	0.99	1.4	3.5	4.0	3.6	4.1	3.5	4.5	3.5	4.5
A 30 2_22.8	22.8	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4
A 30 2_26.5	26.5	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3	3.3	4.3
A 30 2_29.3	29.3	0.67	0.93	0.69	1.1	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2
A 30 2_33.4	33.4	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1	3.1	4.1
A 30 2_36.6	36.6	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1
A 30 2_39.3	39.3	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_43.4	43.4	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_48.3	48.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_52.7	52.7	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_59.4	59.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_66.0	66.0	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_76.5	76.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_86.7	86.7	0.37	0.63	—	—	—	—	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_97.5	97.5	0.37	0.63	—	—	—	—	3.0	3.5	2.9	3.9	2.9	3.9
A 30 3_109.1	109.1	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_120.5	120.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_137.4	137.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_150.7	150.7	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_161.4	161.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_178.5	178.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_198.5	198.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_216.6	216.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_244.3	244.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_271.5	271.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_314.5	314.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_356.3	356.3	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
A 30 3_400.8	400.8	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—




A 35

	i	J (•10 ⁻⁴) [kgm ²]								
			 IEC							
			63	71	80	90	100	112	132	
A 35 2_5.4	5.4	7.3	—	—	10	9.9	11	11	24	9.4
A 35 2_6.4	6.4	5.4	—	—	8.1	8.0	9.2	9.2	22	7.4
A 35 2_7.0	7.0	4.6	—	—	7.3	7.2	8.4	8.4	21	6.6
A 35 2_8.5	8.5	3.3	—	—	6.1	5.9	7.1	7.1	20	5.4
A 35 2_9.3	9.3	2.8	3.5	3.5	5.6	5.4	6.6	6.6	19	4.9
A 35 2_10.6	10.6	2.1	2.9	2.9	4.9	4.8	6.0	6.0	19	4.2
A 35 2_11.8	11.8	1.8	2.5	2.5	4.6	4.4	5.7	5.7	18	3.9
A 35 2_13.1	13.1	3.0	—	—	5.7	5.6	6.8	6.8	—	5.0
A 35 2_15.5	15.5	2.2	—	—	5.0	4.9	6.1	6.1	—	4.3
A 35 2_17.0	17.0	2.0	—	—	4.7	4.6	5.8	5.8	—	4.0
A 35 2_20.4	20.4	1.6	—	—	4.3	4.2	5.4	5.4	—	3.6
A 35 2_22.5	22.5	1.3	2.0	2.0	4.1	3.9	5.1	5.1	—	3.4
A 35 2_25.7	25.7	0.97	1.7	1.7	3.7	3.6	4.8	4.8	—	3.0
A 35 2_28.4	28.4	0.86	1.6	1.6	3.6	3.5	4.7	4.7	—	2.9
A 35 2_33.2	33.2	0.69	1.4	1.4	3.5	3.3	4.5	4.5	—	2.8
A 35 2_36.6	36.6	0.58	1.3	1.3	3.3	3.2	4.4	4.4	—	2.6
A 35 2_41.8	41.8	0.48	1.2	1.2	3.2	3.1	4.3	4.3	—	2.5
A 35 2_45.8	45.8	0.42	1.1	1.1	3.2	3.1	4.3	4.3	—	2.5
A 35 2_49.1	49.1	0.38	1.1	1.1	3.1	3.0	4.2	4.2	—	2.4
A 35 2_54.3	54.3	0.33	1.1	1.0	3.1	3.0	4.2	4.2	—	2.4
A 35 2_60.4	60.4	0.29	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
A 35 2_65.8	65.8	0.25	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
A 35 2_74.3	74.3	0.21	0.95	0.93	3.0	2.8	4.1	4.1	—	2.3
A 35 2_82.5	82.5	0.18	0.92	0.90	2.9	2.8	4.0	4.0	—	2.2
A 35 2_95.6	95.6	0.15	0.88	0.87	2.9	2.8	4.0	4.0	—	2.2
A 35 3_105.5	105.5	0.11	0.89	0.87	2.9	2.8	4.0	4.0	—	0.80
A 35 3_116.9	116.9	0.11	0.88	0.87	2.9	2.8	4.0	4.0	—	0.79
A 35 3_136.3	136.3	0.10	0.87	0.86	2.9	2.8	4.0	4.0	—	0.78
A 35 3_150.6	150.6	0.09	0.86	0.85	2.9	2.8	4.0	4.0	—	0.77
A 35 3_171.8	171.8	0.08	0.86	0.84	2.9	2.8	4.0	4.0	—	0.77
A 35 3_188.3	188.3	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_201.8	201.8	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_223.2	223.2	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_248.1	248.1	0.07	0.85	0.83	2.9	2.7	4.0	4.0	—	0.76
A 35 3_270.7	270.7	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_305.4	305.4	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_339.3	339.3	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_393.2	393.2	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75



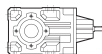


A 35

	i	J (•10 ⁻⁴) [kgm ²]											
		 SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 35 2_5.4	5.4	—	—	—	—	—	—	10	11	9.9	10.9	9.9	11
A 35 2_6.4	6.4	—	—	—	—	—	—	8.1	8.6	8.0	9.0	8.0	9.0
A 35 2_7.0	7.0	—	—	—	—	—	—	7.3	7.8	7.2	8.2	7.2	8.2
A 35 2_8.5	8.5	—	—	—	—	—	—	6.1	6.6	5.9	6.9	5.9	6.9
A 35 2_9.3	9.3	3.1	3.3	3.1	3.5	5.6	6.1	5.6	6.1	5.4	6.4	5.4	6.4
A 35 2_10.6	10.6	2.4	2.6	2.4	2.8	4.9	5.4	4.9	5.4	4.8	5.8	4.8	5.8
A 35 2_11.8	11.8	2.1	2.3	2.1	2.5	4.6	5.1	4.6	5.1	4.4	5.4	4.4	5.4
A 35 2_13.1	13.1	—	—	—	—	—	—	5.7	6.2	5.6	6.6	5.6	6.6
A 35 2_15.5	15.5	—	—	—	—	—	—	5.0	5.5	4.9	5.9	4.9	5.9
A 35 2_17.0	17.0	—	—	—	—	—	—	4.7	5.2	4.6	5.6	4.6	5.6
A 35 2_20.4	20.4	—	—	—	—	—	—	4.3	4.8	4.2	5.2	4.2	5.2
A 35 2_22.5	22.5	1.6	1.8	1.6	2.0	4.1	4.6	4.1	4.6	3.9	4.9	3.9	4.9
A 35 2_25.7	25.7	1.2	1.5	1.3	1.7	3.8	4.2	3.7	4.2	3.6	4.6	3.6	4.6
A 35 2_28.4	28.4	1.1	1.4	1.2	1.6	3.7	4.1	3.6	4.1	3.5	4.5	3.5	4.5
A 35 2_33.2	33.2	0.96	1.2	0.98	1.4	3.5	3.9	3.5	4.0	3.3	4.3	3.3	4.3
A 35 2_36.6	36.6	0.85	1.1	0.87	1.3	3.4	3.8	3.3	3.8	3.2	4.2	3.2	4.2
A 35 2_41.8	41.8	0.75	1.0	0.77	1.2	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1
A 35 2_45.8	45.8	0.69	0.95	0.71	1.1	3.2	3.7	3.2	3.7	3.1	4.1	3.1	4.1
A 35 2_49.1	49.1	0.65	0.91	0.67	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
A 35 2_54.3	54.3	0.60	0.86	0.62	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
A 35 2_60.4	60.4	0.56	0.82	0.58	1.0	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
A 35 2_65.8	65.8	0.52	0.78	0.54	0.98	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
A 35 2_74.3	74.3	0.48	0.74	0.50	0.94	3.0	3.5	3.0	3.5	2.8	3.8	2.8	3.8
A 35 2_82.5	82.5	0.45	0.71	0.47	0.91	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
A 35 2_95.6	95.6	0.42	0.68	0.44	0.88	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
A 35 3_105.5	105.5	0.38	0.64	0.40	0.84	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_116.9	116.9	0.38	0.64	0.40	0.84	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_136.3	136.3	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_150.6	150.6	0.36	0.62	0.38	0.82	2.9	3.3	2.9	3.4	2.8	3.8	—	—
A 35 3_171.8	171.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.8	3.8	—	—
A 35 3_188.3	188.3	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_201.8	201.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_223.2	223.2	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_248.1	248.1	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_270.7	270.7	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_305.4	305.4	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_339.3	339.3	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_393.2	393.2	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—




A 41

	i	J (•10-4) [kgm²]								
			 IEC							
			63	71	80	90	100	112	132	
A 41 2_5.2	5.2	13	—	—	16	16	17	17	32	23
A 41 2_7.1	7.1	7.3	—	—	10	10	11	11	26	18
A 41 2_8.3	8.3	5.9	—	—	8.8	8.7	10	10	25	16
A 41 2_9.2	9.2	4.5	—	—	7.4	7.3	8.6	8.6	23	15
A 41 2_10.1	10.1	5.9	—	—	8.8	8.7	10	10	25	16
A 41 2_11.7	11.7	2.9	4.4	4.4	5.8	5.7	7.0	7.0	22	13
A 41 2_13.8	13.8	3.6	—	—	6.5	6.4	7.7	7.7	23	14
A 41 2_16.1	16.1	2.9	—	—	5.8	5.7	7.0	7.0	22	13
A 41 2_17.8	17.8	2.2	—	—	5.1	5.0	6.3	6.3	21	11
A 41 2_22.7	22.7	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	11
A 41 2_28.3	28.3	1.1	2.6	2.6	4.0	3.9	5.2	5.2	20	10
A 41 2_35.9	35.9	1.7	3.2	3.2	4.6	4.5	5.8	5.8	20	9.8
A 41 2_45.1	45.1	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	9.6
A 41 2_48.3	48.3	1.4	2.9	2.9	4.3	4.2	5.5	5.5	—	9.5
A 41 2_53.1	53.1	1.4	2.9	2.9	4.3	4.2	5.5	5.5	—	9.5
A 41 2_58.8	58.8	1.3	2.8	2.8	4.2	4.1	5.4	5.4	—	9.4
A 41 2_64.2	64.2	1.3	2.8	2.8	4.2	4.1	5.4	5.4	—	9.4
A 41 2_71.3	71.3	1.2	2.7	2.7	4.1	4.0	5.3	5.3	—	9.3
A 41 2_79.2	79.2	1.2	2.7	2.7	4.1	4.0	5.3	5.3	—	9.3
A 41 3_92.8	92.8	1.1	2.6	2.6	4.0	3.9	5.2	5.2	—	9.2
A 41 3_115.9	115.9	0.20	1.7	1.7	2.9	3.0	4.3	4.3	—	2.1
A 41 3_146.9	146.9	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.1
A 41 3_184.4	184.4	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.1
A 41 3_197.5	197.5	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_217.4	217.4	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_240.6	240.6	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_262.5	262.5	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_291.7	291.7	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_324.2	324.2	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_376.8	376.8	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0



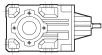


A 41

	i	J (•10 ⁻⁴) [kgm ²]																	
		 SERVO																	
		60A		60B 80A		80B		95A		80C 95B 110A		95C 110B		130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 41 2_5.2	5.2	—	—	—	—	—	—	—	—	16	16.5	16	17	16	17	30	32	32	37
A 41 2_7.1	7.1	—	—	—	—	—	—	—	—	10	10.5	10	11	10	11	24	27	26	31
A 41 2_8.3	8.3	—	—	—	—	—	—	—	—	8.8	9.3	8.7	9.7	8.7	9.7	23	25	25	30
A 41 2_9.2	9.2	—	—	—	—	—	—	—	—	7.4	7.9	7.3	8.3	7.3	8.3	21	24	23	28
A 41 2_10.1	10.1	—	—	—	—	—	—	—	—	8.8	9.3	8.7	9.7	8.7	9.7	23	25	25	30
A 41 2_11.7	11.7	—	—	—	—	5.7	6.2	5.7	6.2	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
A 41 2_13.8	13.8	—	—	—	—	—	—	—	—	6.5	7.0	6.4	7.4	6.4	7.4	21	23	23	28
A 41 2_16.1	16.1	—	—	—	—	—	—	—	—	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
A 41 2_17.8	17.8	—	—	—	—	—	—	—	—	5.1	5.6	5.0	6.0	5.0	6.0	19	22	21	26
A 41 2_22.7	22.7	—	—	—	—	4.3	4.8	4.3	4.8	4.4	4.9	4.3	5.3	4.3	5.3	18	21	20	25
A 41 2_28.3	28.3	—	—	—	—	3.9	4.4	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9	18	21	20	25
A 41 2_35.9	35.9	—	—	—	—	4.5	5.0	4.5	5.0	4.6	5.1	4.5	5.5	4.5	5.5	19	21	20	25
A 41 2_45.1	45.1	—	—	—	—	4.3	4.8	4.3	4.8	4.4	4.9	4.3	5.3	4.3	5.3	18	21	20	25
A 41 2_48.3	48.3	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	—	—	—	—
A 41 2_53.1	53.1	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	—	—	—	—
A 41 2_58.8	58.8	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	—	—	—	—
A 41 2_64.2	64.2	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	—	—	—	—
A 41 2_71.3	71.3	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	—	—	—	—
A 41 2_79.2	79.2	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	—	—	—	—
A 41 3_92.8	92.8	1.4	1.6	1.4	1.8	—	—	3.9	4.4	4.0	4.5	3.9	4.9	—	—	—	—	—	—
A 41 3_115.9	115.9	0.47	0.73	0.49	0.93	—	—	3.0	3.5	2.9	3.4	3.0	4.0	—	—	—	—	—	—
A 41 3_146.9	146.9	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_184.4	184.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_197.5	197.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_217.4	217.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_240.6	240.6	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_262.5	262.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_291.7	291.7	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_324.2	324.2	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_376.8	376.8	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—




A 50

	i	J (•10 ⁻⁴) [kgm ²]										
			 IEC									
			63	71	80	90	100	112	132	160	180	
A 50 2_7.7	7.7	15	—	—	18	18	19	19	34	93	91	24
A 50 2_9.7	9.7	10	—	—	13	13	14	14	29	89	86	19
A 50 2_13.1	13.1	6.3	—	—	9.2	9.1	10	10	25	85	82	15
A 50 2_16.6	16.6	4.2	—	—	7.0	7.0	8.2	8.2	23	82	80	13
A 50 2_20.9	20.9	2.8	4.2	4.2	5.7	5.6	6.9	6.9	22	81	79	12
A 50 3_24.0	24.0	6.0	—	—	8.9	8.8	10	10	25	84	82	15
A 50 3_26.4	26.4	5.8	—	—	8.7	8.6	9.9	9.9	25	84	82	15
A 50 3_32.4	32.4	4.0	—	—	6.8	6.8	8.1	8.1	23	82	80	13
A 50 3_35.6	35.6	3.9	—	—	6.7	6.7	8.0	8.0	23	82	80	13
A 50 3_40.9	40.9	2.7	—	—	5.6	5.5	6.8	6.8	22	81	79	12
A 50 3_45.0	45.0	2.6	—	—	5.5	5.4	6.7	6.7	22	81	79	12
A 50 3_51.7	51.7	1.9	3.4	3.4	4.7	4.7	6.0	6.0	21	80	78	11
A 50 3_56.8	56.8	1.9	3.3	3.3	4.7	4.6	5.9	5.9	21	80	78	11
A 50 3_63.9	63.9	1.4	2.9	2.8	4.2	4.2	5.5	5.5	20	80	77	11
A 50 3_70.2	70.2	1.4	2.8	2.8	4.2	4.1	5.4	5.4	20	80	77	10
A 50 3_81.5	81.5	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	79	77	10
A 50 3_89.5	89.5	0.90	2.4	2.4	3.7	3.7	5.0	5.0	20	79	77	10
A 50 3_99.5	99.5	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	9.7
A 50 3_109.4	109.4	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	9.7
A 50 3_118.0	118.0	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_129.7	129.7	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_140.6	140.6	0.40	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_154.6	154.6	0.40	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_173.4	173.4	0.30	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3
A 50 3_190.6	190.6	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.





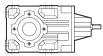
A 50

	i	J (•10 ⁻⁴) [kgm ²]									
		 SERVO									
		80B 95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 50 2_7.7	7.7	—	—	18	19	18	19	32	34	34	39
A 50 2_9.7	9.7	—	—	13	14	13	14	27	29	29	34
A 50 2_13.1	13.1	—	—	9.2	9.7	9.1	10	23	26	25	30
A 50 2_16.6	16.6	—	—	7.0	7.5	7.0	8.0	21	24	23	28
A 50 2_20.9	20.9	5.6	6.1	5.7	6.2	5.6	6.6	20	22	22	27
A 50 3_24.0	24.0	—	—	8.9	9.4	8.8	9.8	23	25	25	30
A 50 3_26.4	26.4	—	—	8.7	9.2	8.6	9.6	23	25	25	30
A 50 3_32.4	32.4	—	—	6.8	7.3	6.8	7.8	21	23	23	28
A 50 3_35.6	35.6	—	—	6.7	7.2	6.7	7.7	21	23	23	28
A 50 3_40.9	40.9	—	—	5.6	6.1	5.5	6.5	20	22	22	27
A 50 3_45.0	45.0	—	—	5.5	6.0	5.4	6.4	20	22	22	27
A 50 3_51.7	51.7	4.7	5.1	4.7	5.2	4.7	5.7	19	21	21	26
A 50 3_56.8	56.8	4.7	5.1	4.7	5.2	4.6	5.6	19	21	21	26
A 50 3_63.9	63.9	4.2	4.7	4.2	5.2	4.2	5.2	18	21	20	25
A 50 3_70.2	70.2	4.2	4.7	4.2	5.2	4.1	5.1	18	21	20	25
A 50 3_81.5	81.5	3.7	4.1	3.8	4.3	3.7	4.7	18	20	20	25
A 50 3_89.5	89.5	3.7	4.1	3.7	4.2	3.7	4.7	18	20	20	25
A 50 3_99.5	99.5	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
A 50 3_109.4	109.4	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
A 50 3_118.0	118.0	3.3	3.8	3.4	4.0	3.3	4.3	—	—	—	—
A 50 3_129.7	129.7	3.3	3.8	3.4	4.0	3.3	4.3	—	—	—	—
A 50 3_140.6	140.6	3.2	3.7	3.2	3.7	3.2	4.2	—	—	—	—
A 50 3_154.6	154.6	3.2	3.7	3.2	3.7	3.2	4.2	—	—	—	—
A 50 3_173.4	173.4	3.1	3.6	3.1	3.6	3.0	4.0	—	—	—	—
A 50 3_190.6	190.6	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.




A 55

	i	J (•10 ⁻⁴) [kgm ²]										
			 IEC									
			63	71	80	90	100	112	132	160	180	
A 55 2_4.9	4.9	61	—	—	—	—	—	—	77	123	120	70
A 55 2_6.4	6.4	41	—	—	—	—	—	—	57	103	100	50
A 55 2_8.5	8.5	26	—	—	—	—	—	—	42	88	85	35
A 55 2_10.4	10.4	19	—	—	—	—	—	—	35	81	78	28
A 55 2_13.1	13.1	12	—	—	14	14	17	17	28	74	72	21
A 55 2_15.7	15.7	8.9	—	—	11	11	14	14	25	71	68	18
A 55 2_19.2	19.2	6.2	—	—	8.6	8.5	11	11	23	68	66	15
A 55 3_23.8	23.8	11	—	—	13	13	16	16	27	73	70	20
A 55 3_29.9	29.9	7.9	—	—	10	10	13	13	24	70	67	17
A 55 3_40.3	40.3	5.3	—	—	7.8	7.6	10	10	22	68	65	14
A 55 3_51.0	51.0	3.6	—	—	6.0	5.9	8.6	8.6	20	66	63	13
A 55 3_64.3	64.3	2.6	3.1	3.0	5.1	5.0	7.7	7.7	19	65	62	12
A 55 3_79.5	79.5	2.0	2.4	2.4	4.5	4.4	7.1	7.1	18	64	62	11
A 55 3_101.4	101.4	1.3	1.8	1.8	3.8	3.7	6.5	6.5	18	64	61	10
A 55 3_123.9	123.9	1.0	1.5	1.5	3.6	3.4	6.2	6.2	17	63	61	10
A 55 3_132.7	132.7	0.71	1.4	1.4	3.5	3.3	6.1	6.1	—	—	—	9.5
A 55 3_146.8	146.8	0.66	1.4	1.4	3.4	3.3	6.0	6.0	—	—	—	9.4
A 55 3_160.4	160.4	0.58	1.3	1.3	3.3	3.2	6.0	6.0	—	—	—	9.4
A 55 3_175.0	175.0	0.50	1.2	1.2	3.3	3.1	5.9	5.9	—	—	—	9.3
A 55 3_194.2	194.2	0.43	1.2	1.2	3.2	3.1	5.8	5.8	—	—	—	9.2

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.





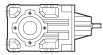
A 55

	i	J (•10 ⁻⁴) [kgm ²]									
		 SERVO									
		80B 95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 55 2_4.9	4.9	—	—	—	—	—	—	78	80	77	82
A 55 2_6.4	6.4	—	—	—	—	—	—	58	60	57	62
A 55 2_8.5	8.5	—	—	—	—	—	—	43	45	42	47
A 55 2_10.4	10.4	—	—	—	—	—	—	36	38	35	40
A 55 2_13.1	13.1	—	—	14	15	14	15	29	31	28	33
A 55 2_15.7	15.7	—	—	11	12	11	12	26	28	25	30
A 55 2_19.2	19.2	—	—	8.6	9.1	8.5	9.5	23	26	23	28
A 55 3_23.8	23.8	—	—	13	14	13	14	28	30	27	32
A 55 3_29.9	29.9	—	—	10	11	10	11	25	27	24	29
A 55 3_40.3	40.3	—	—	7.8	8.3	7.6	8.6	22	25	22	27
A 55 3_51.0	51.0	—	—	6.0	6.5	5.9	6.9	21	23	20	25
A 55 3_64.3	64.3	5.4	5.9	5.1	5.6	5.0	6.0	20	22	19	24
A 55 3_79.5	79.5	4.8	5.3	4.5	5.0	4.4	5.4	19	21	18	23
A 55 3_101.4	101.4	4.1	4.6	3.8	4.3	3.7	4.7	18	21	18	23
A 55 3_123.9	123.9	3.8	4.3	3.6	4.1	3.4	4.4	18	20	17	22
A 55 3_132.7	132.7	3.5	4.0	3.5	4.0	3.3	4.3	—	—	—	—
A 55 3_146.8	146.8	3.5	3.9	3.4	3.9	3.3	4.3	—	—	—	—
A 55 3_160.4	160.4	3.4	3.8	3.3	3.8	3.2	4.2	—	—	—	—
A 55 3_175.0	175.0	3.3	3.8	3.3	3.8	3.1	4.1	—	—	—	—
A 55 3_194.2	194.2	3.3	3.7	3.2	3.7	3.1	4.1	—	—	—	—

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.




A 60

	i	J (•10 ⁻⁴) [kgm ²]										
			 IEC									
			63	71	80	90	100	112	132	160	180	
A 60 2_7.9	7.9	36	—	—	—	—	—	—	54	114	112	57
A 60 2_10.3	10.3	23	—	—	25	25	27	27	41	101	99	44
A 60 2_12.7	12.7	16	—	—	19	19	20	20	35	94	92	37
A 60 2_16.7	16.7	9.4	—	—	12	12	14	14	28	88	85	30
A 60 2_20.6	20.6	6.7	—	—	9.6	9.5	11	11	26	85	83	28
A 60 3_25.7	25.7	14	—	—	17	17	18	18	33	92	90	35
A 60 3_27.9	27.9	14	—	—	17	17	18	18	33	92	90	35
A 60 3_31.7	31.7	10	—	—	13	13	15	15	29	89	86	31
A 60 3_34.3	34.3	10	—	—	13	13	14	14	29	89	86	31
A 60 3_41.7	41.7	6.1	—	—	9.0	8.9	10	10	25	84	82	27
A 60 3_45.2	45.2	6.1	—	—	8.9	8.9	10	10	25	84	82	27
A 60 3_51.3	51.3	5.0	—	—	7.4	7.4	8.7	8.7	24	83	81	26
A 60 3_55.6	55.6	4.5	—	—	7.4	7.3	8.6	8.6	23	83	81	26
A 60 3_65.0	65.0	3.2	4.7	4.6	6.1	6.0	7.3	7.3	22	82	79	24
A 60 3_70.4	70.4	3.2	4.7	4.6	6.1	6.0	7.3	7.3	22	81	79	24
A 60 3_79.7	79.7	2.1	3.6	3.5	5.0	4.9	6.2	6.2	21	80	78	23
A 60 3_86.4	86.4	2.1	3.6	3.5	5.0	4.9	6.2	6.2	21	80	78	23
A 60 3_99.5	99.5	2.0	3.5	3.4	4.3	4.3	5.6	5.6	20	80	78	23
A 60 3_107.8	107.8	1.5	3.0	2.9	4.3	4.3	5.6	5.6	20	80	78	22
A 60 3_123.0	123.0	1.1	2.6	2.5	4.0	3.9	5.2	5.2	20	79	77	22
A 60 3_133.3	133.3	1.1	2.6	2.5	3.9	3.9	5.2	5.2	20	79	77	22
A 60 3_144.0	144.0	0.80	2.3	2.2	3.7	3.6	5.0	5.0	—	—	—	22
A 60 3_156.0	156.0	0.80	2.3	2.2	3.7	3.6	5.0	5.0	—	—	—	22
A 60 3_171.5	171.5	0.60	2.1	2.0	3.5	3.4	4.7	4.7	—	—	—	22
A 60 3_185.8	185.8	0.60	2.1	2.0	3.5	3.4	4.7	4.7	—	—	—	22

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.





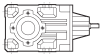
A 60

	i	J (•10 ⁻⁴) [kgm ²]									
		 SERVO									
		95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 60 2_7.9	7.9	—	—	—	—	—	—	53	55	54	59
A 60 2_10.3	10.3	—	—	25	26	25	26	40	42	41	46
A 60 2_12.7	12.7	—	—	19	20	19	20	33	35	35	40
A 60 2_16.7	16.7	—	—	12	13	12	13	26	29	28	33
A 60 2_20.6	20.6	—	—	9.6	10	9.5	10	24	26	26	31
A 60 3_25.7	25.7	—	—	17	18	17	18	31	33	33	38
A 60 3_27.9	27.9	—	—	17	18	17	18	31	33	33	38
A 60 3_31.7	31.7	—	—	13	14	13	14	27	29	29	34
A 60 3_34.3	34.3	—	—	13	14	13	14	27	29	29	34
A 60 3_41.7	41.7	—	—	9.0	9.5	8.9	9.9	23	26	25	30
A 60 3_45.2	45.2	—	—	8.9	9.4	8.9	9.9	23	26	25	30
A 60 3_51.3	51.3	—	—	7.4	7.9	7.4	8.4	22	24	24	29
A 60 3_55.6	55.6	—	—	7.4	7.9	7.3	8.3	21	24	23	28
A 60 3_65.0	65.0	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
A 60 3_70.4	70.4	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
A 60 3_79.7	79.7	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
A 60 3_86.4	86.4	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
A 60 3_99.5	99.5	4.8	5.3	4.3	4.8	4.3	5.3	19	21	20	25
A 60 3_107.8	107.8	4.3	4.8	4.3	4.8	4.3	5.3	18	21	20	25
A 60 3_123.0	123.0	3.9	4.4	4.0	4.5	3.9	4.9	18	21	20	25
A 60 3_133.3	133.3	3.9	4.4	3.9	4.4	3.9	4.9	18	21	20	25
A 60 3_144.0	144.0	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
A 60 3_156.0	156.0	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
A 60 3_171.5	171.5	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—
A 60 3_185.8	185.8	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.





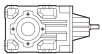
A 70

	i	J (•10 ⁻⁴) [kgm ²]											
			 IEC										
			80	90	100	112	132	160	180	200	225	250	
A 70 3_9.4	9.4	—	—	—	—	—	—	187	185	194	—	—	150
A 70 3_10.2	10.2	—	—	—	—	—	—	183	180	190	—	—	146
A 70 3_12.1	12.1	—	—	—	—	—	—	150	148	157	—	—	113
A 70 3_13.1	13.1	—	—	—	—	—	—	147	145	154	—	—	111
A 70 3_15.4	15.4	45	—	—	—	—	64	124	121	161	—	—	87
A 70 3_16.7	16.7	44	—	—	—	—	63	122	120	129	—	—	85
A 70 3_19.7	19.7	30	—	—	—	—	49	109	107	—	—	—	72
A 70 3_21.3	21.3	29	—	—	—	—	48	108	106	—	—	—	71
A 70 3_23.5	23.5	—	—	—	—	—	—	116	114	123	—	—	79
A 70 3_27.8	27.8	—	—	—	—	—	—	118	116	125	—	—	81
A 70 3_30.1	30.1	—	—	—	—	—	—	117	115	124	—	—	81
A 70 3_35.4	35.4	26	—	—	—	—	45	104	102	111	—	—	67
A 70 3_38.4	38.4	25	—	—	—	—	44	104	101	111	—	—	67
A 70 3_45.2	45.2	18	—	—	—	—	37	97	94	—	—	—	59
A 70 3_49.0	49.0	18	—	—	—	—	37	96	94	—	—	—	59
A 70 3_53.2	53.2	15	—	—	—	—	34	93	91	—	—	—	56
A 70 3_57.7	57.7	15	—	—	—	—	34	93	91	—	—	—	56
A 70 3_66.9	66.9	9.7	12	12	13	13	29	88	86	—	—	—	51
A 70 3_72.5	72.5	9.6	12	12	13	13	28	88	86	—	—	—	51
A 70 3_79.3	79.3	6.8	9.4	9.3	11	11	26	85	83	—	—	—	48
A 70 3_85.9	85.9	6.7	9.3	9.3	11	11	26	85	83	—	—	—	48
A 70 3_96.2	96.2	5.4	8.2	8.2	9.4	9.4	24	84	82	—	—	—	47
A 70 3_104.2	104.2	5.4	8.2	8.1	9.4	9.4	24	84	81	—	—	—	47
A 70 3_120.6	120.6	3.4	6.2	6.2	7.5	7.5	22	82	79	—	—	—	45
A 70 3_130.7	130.7	3.4	6.2	6.2	7.4	7.4	22	82	79	—	—	—	45
A 70 3_141.9	141.9	2.4	5.3	5.2	6.5	6.5	21	81	78	—	—	—	44
A 70 3_153.7	153.7	2.4	5.2	5.2	6.5	6.5	21	81	78	—	—	—	44

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.





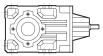
A 80

	i	J (•10 ⁻⁴) [kgm ²]											
			 IEC										
			80	90	100	112	132	160	180	200	225	250	
A 80 3_9.8	9.8	—	—	—	—	—	—	—	320	333	611	—	286
A 80 3_10.7	10.7	—	—	—	—	—	—	—	309	323	601	—	276
A 80 3_12.3	12.3	—	—	—	—	—	—	239	239	253	531	—	205
A 80 3_13.3	13.3	—	—	—	—	—	—	232	233	246	524	—	199
A 80 3_15.5	15.5	—	—	—	—	—	—	187	185	194	478	—	150
A 80 3_16.7	16.7	—	—	—	—	—	—	183	180	190	474	—	150
A 80 3_19.3	19.3	69	—	—	—	—	88	147	145	154	440	—	111
A 80 3_20.9	20.9	66	—	—	—	—	85	145	142	152	437	—	108
A 80 3_22.6	22.6	—	—	—	—	—	—	—	205	219	496	—	171
A 80 3_24.5	24.5	—	—	—	—	—	—	—	203	217	494	—	169
A 80 3_28.2	28.2	—	—	—	—	—	—	165	166	179	457	—	132
A 80 3_30.6	30.6	—	—	—	—	—	—	164	164	178	456	—	130
A 80 3_35.5	35.5	—	—	—	—	—	—	140	138	147	432	—	104
A 80 3_38.5	38.5	—	—	—	—	—	—	140	137	147	431	—	103
A 80 3_44.5	44.5	39	—	—	—	—	58	118	115	125	410	—	81
A 80 3_48.2	48.2	39	—	—	—	—	58	117	115	124	410	—	90
A 80 3_55.2	55.2	29	—	—	—	—	48	108	105	136	399	—	70
A 80 3_59.8	59.8	29	—	—	—	—	48	107	105	136	399	—	70
A 80 3_66.8	66.8	22	—	—	—	—	41	101	98	128	391	—	63
A 80 3_72.4	72.4	22	—	—	—	—	41	100	98	128	391	—	63
A 80 3_82.3	82.3	15	17	17	18	18	34	94	91	120	384	—	56
A 80 3_89.2	89.2	15	17	17	18	18	34	93	91	120	386	—	56
A 80 3_96.0	96.0	14	16	16	17	17	32	92	90	119	382	—	55
A 80 3_104.0	104.0	13	16	16	17	17	32	92	89	119	382	—	55
A 80 3_116.0	116.0	9.1	12	12	13	13	28	87	85	—	—	—	50
A 80 3_125.6	125.6	9.1	12	12	13	13	28	87	85	—	—	—	50
A 80 3_144.7	144.7	5.4	8.3	8.2	10	10	24	84	82	—	—	—	47
A 80 3_156.8	156.8	5.4	3.0	2.9	4.2	4.2	19	78	76	—	—	—	41

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



A 90

	i	J (•10 ⁻⁴) [kgm ²]											
			 IEC										
			80	90	100	112	132	160	180	200	225	250	
A 90 3_9.7	9.7	—	—	—	—	—	—	—	597	611	889	918	898
A 90 3_10.5	10.5	—	—	—	—	—	—	—	575	589	867	896	876
A 90 3_12.6	12.6	—	—	—	—	—	—	—	402	416	693	723	703
A 90 3_13.7	13.7	—	—	—	—	—	—	—	389	403	681	710	690
A 90 3_15.6	15.6	—	—	—	—	—	—	—	306	319	597	627	607
A 90 3_16.9	16.9	—	—	—	—	—	—	—	297	311	589	618	598
A 90 3_19.4	19.4	—	—	—	—	—	—	236	234	243	527	559	530
A 90 3_21.0	21.0	—	—	—	—	—	—	231	228	238	522	553	524
A 90 3_22.3	22.3	—	—	—	—	—	—	—	326	340	618	647	627
A 90 3_24.1	24.1	—	—	—	—	—	—	—	322	336	614	643	623
A 90 3_29.1	29.1	—	—	—	—	—	—	—	243	257	535	564	544
A 90 3_31.5	31.5	—	—	—	—	—	—	—	241	254	532	562	542
A 90 3_35.8	35.8	—	—	—	—	—	—	—	201	215	493	522	502
A 90 3_38.8	38.8	—	—	—	—	—	—	—	200	213	491	521	500
A 90 3_44.6	44.6	—	—	—	—	—	—	169	166	176	460	491	462
A 90 3_48.3	48.3	—	—	—	—	—	—	168	165	175	459	490	461
A 90 3_55.0	55.0	66	—	—	—	—	85	144	142	151	437	468	438
A 90 3_59.6	59.6	66	—	—	—	—	84	144	141	151	436	468	437
A 90 3_68.8	68.8	48	—	—	—	—	67	126	124	154	418	449	416
A 90 3_74.5	74.5	47	—	—	—	—	66	126	123	154	417	449	416
A 90 3_80.4	80.4	43	—	—	—	—	62	121	119	149	412	443	412
A 90 3_87.1	87.1	43	—	—	—	—	62	121	119	148	412	443	412
A 90 3_98.6	98.6	28	30	30	32	32	47	106	104	134	397	428	399
A 90 3_106.8	106.8	28	30	30	31	31	47	106	104	133	397	428	399
A 90 3_116.9	116.9	23	25	25	26	26	41	101	99	128	391	423	394
A 90 3_126.6	126.6	22	25	25	26	26	41	101	98	128	391	422	394
A 90 3_139.4	139.4	15	17	17	19	19	33	93	91	—	—	—	386
A 90 3_151.0	151.0	14	3.0	3.0	4.3	4.3	19	79	76	—	—	—	372

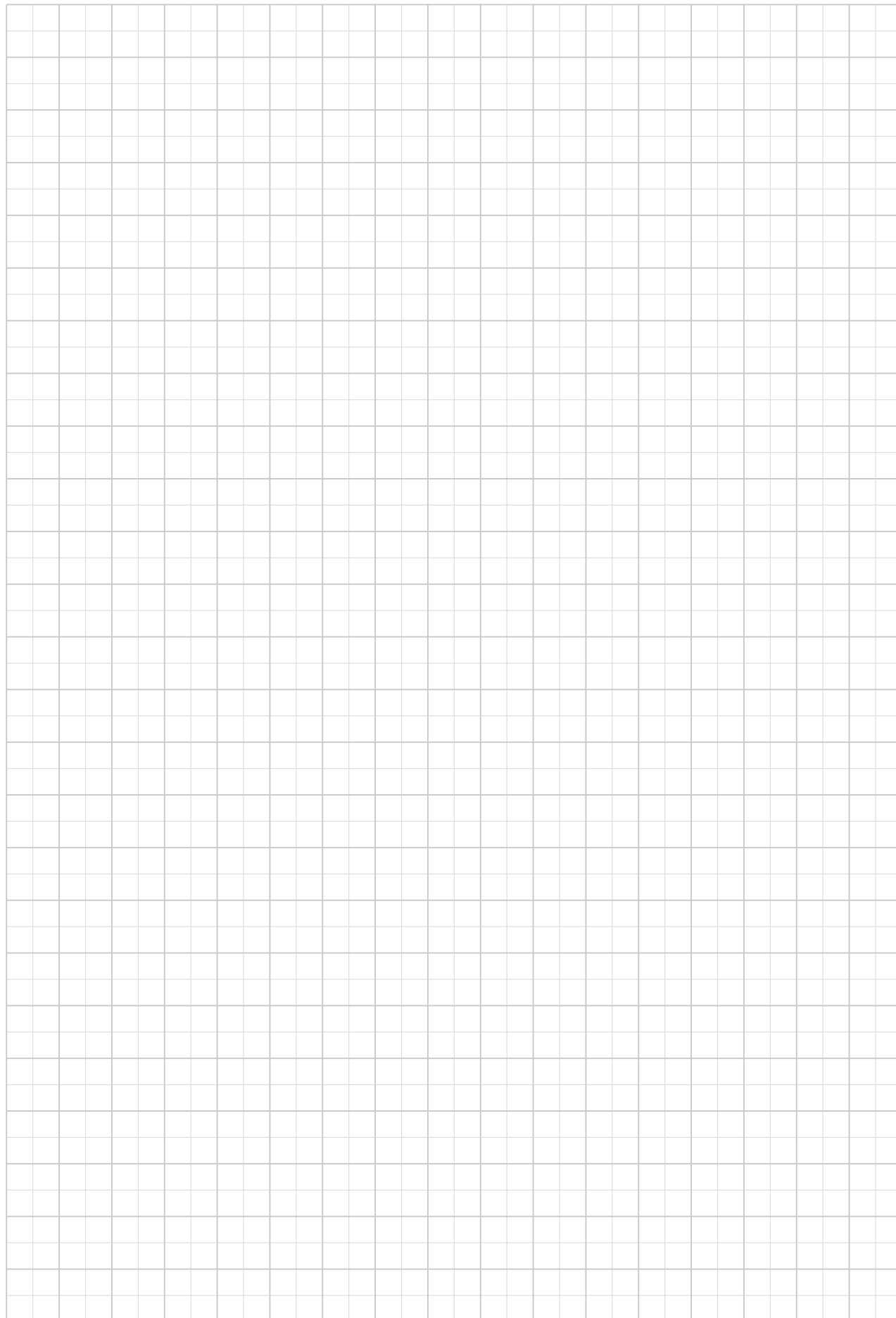
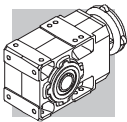
For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



42 EXACT RATIOS

i _N	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
5.0								4.94505				
5.6	5.46559	5.46559	5.35117	5.41311	5.41311	5.24476						
6.3	6.33484	6.33484	6.53846	6.41026	6.41026			6.41026				
7.1	7.21154	7.21154	7.28745	7.02341	7.02341	7.12251						
8.0	8.51648	8.51648	8.37104	8.46154	8.46154	8.33333	7.73684	8.46154	7.86420			
9.0	9.61538	9.61538	9.37500	9.31174	9.31174	9.19732				9.43946		9.67545
10.0	10.55639	10.55639	10.33540	10.45503	10.63348	10.12987	9.73401	10.35503	10.31579	10.22609	9.83278	10.48174
11.2				11.77885	11.77885	11.74089				12.08027	10.65217	12.64214
12.5	12.30769	12.30769	11.96581		13.06878		13.10700	13.07692	12.70370	13.08696	12.27130	13.69565
14.0	13.92857	13.92857	14.07519	13.56522	15.47619	13.75661				15.40468	13.29391	15.57512
16.0	16.44898	16.44898	16.16807	16.34286	16.95652	16.09524	16.57005	15.68047	16.73663	16.68841	15.45151	16.87304
18.0	18.57143	18.57143	18.10714	17.98496		17.76398					19.33779	19.38462
20.0	21.35714	21.35714	21.22449	20.53782	20.42857		20.91813	19.23077	20.5942	19.66555	20.94928	21.00000
22.4	23.77143	23.77143	23.11111	22.75000	22.48120	22.67669				21.30435	22.61538	22.25354
25.0	25.46939	25.46939	26.46429	26.53061	25.67227		24.04795	23.79021	25.71012	23.52000	24.50000	24.10800
28.0	28.57143	28.57143	29.21905	29.30159	28.43750	28.32143	26.43733			27.85263	27.78462	29.07692
31.5	32.19048	32.19048	31.30612	33.42857	33.16327		32.38095	29.93134	31.66154	30.10000	30.57600	31.50000
35.5	35.11688	35.11688	35.42857	36.64762	36.62698	35.90476	35.59829		34.30000	35.43077	35.53846	35.82277
40.0	40.85714	40.85714	39.61905	39.26531	41.78571	45.06667	40.93645	40.30303	41.71282	38.38333	38.50000	38.80800
45.0	45.39683	45.39683	43.22078	43.42857	45.80952	48.28571	45.00386		45.18889	45.23077	44.47692	44.58462
50.0	51.25714	51.25714	48.28571	48.28571	49.08163	53.14286	51.67843	50.95166	51.32709	49.00000	48.18333	48.30000
56.0	58.60317	58.60317	53.65079	52.67532	54.28571	58.80952	56.81314		55.60435	53.23314	55.18154	55.03077
63.0	65.92857	65.92857	63.14286	59.42857	60.35714	64.15584	63.89011	64.32168	64.98947	66.94154	66.80237	59.61667
71.0			70.98413	66.03175	65.84416	71.31429	70.23817		70.40526	72.52000	72.36923	68.75077
80.0	76.40816	76.40816	79.85714	76.51429	74.28571	79.23810	81.45055	79.52098	79.71923	79.32781	82.32000	80.37160
90.0	91.61905	91.61905	92.32653	86.66667	82.53968	92.76828	89.54339		86.36250	85.93846	89.18000	87.06923
100.0				97.50000	95.64286		99.53407	101.37762	99.50769	96.21818	104.03077	98.60308
112.2			109.16518	109.07029	105.54155	115.86039	109.42367	123.88531	107.80000	104.23636	115.95524	116.90414
125.0			120.52857	120.46208	116.90972		129.67046	132.73427	123.02769	120.61538	125.61818	126.64615
140.0			146.14286	137.42857	136.33787	146.88312	140.61938	146.80796	144.04260	141.86014	144.73846	139.39301
160.0			163.42857	161.42404	150.57760		154.59118	160.43706	171.46573	169.75499	156.80000	166.12694
180.0			178.28571	178.53968	171.78571	184.36364	173.36264	175.02225	185.75455	183.90123	171.29752	179.97085
200.0			199.17857	198.50794	201.78005	197.53247	190.58777	194.19860	208.73017		214.73193	209.01044
225.0			221.30952	216.55411	223.17460	217.40260	231.98700	208.05260	226.12435	220.25418	232.62626	226.42797
250.0			260.46429	244.31746	248.13492	240.58442	260.88462		264.29053	238.60870		
280.0			292.80952	271.46384	270.69264	291.74026	286.80584	262.64685	286.31474	292.01619	277.28428	281.43590
315.0			329.41071	314.55873	305.39683	324.15584	332.58974		324.19154	316.35088	300.39130	304.88889
355.0				356.29630	339.32981	376.83117	365.63552	324.71066	351.20750	369.38462	353.96864	355.79521
400.0			380.84694	400.83333	393.19841		406.43077		404.66462	400.16667	383.46603	385.44482
450.0							446.81331	413.95862	438.38667	475.76068	442.07937	449.15802
500.0							481.63314	505.86503	500.31262	515.40741	478.91932	486.58785
560.0							574.19580	541.99825	585.77325	595.03590	560.45035	555.29467
630.0							631.24731	655.11801	634.58769	644.62222	607.15455	601.56923
710.0							707.89744	714.67419	697.29399	705.13609	703.46182	707.91953
800.0							778.23340	792.97762	755.40182	855.27273	829.52598	766.91282
900.0										926.54545	898.65315	865.09065
1000.0										1072.13675	1001.43166	1025.1594
1125.0										1161.48148	1084.88430	1110.58935
1250.0										1242.33846	1236.85594	1222.17967
1400.0										1345.86667	1339.92727	1324.02797
1600.0										1583.07692	1557.66545	1506.76450
1800.0										1715.00000		1632.32821

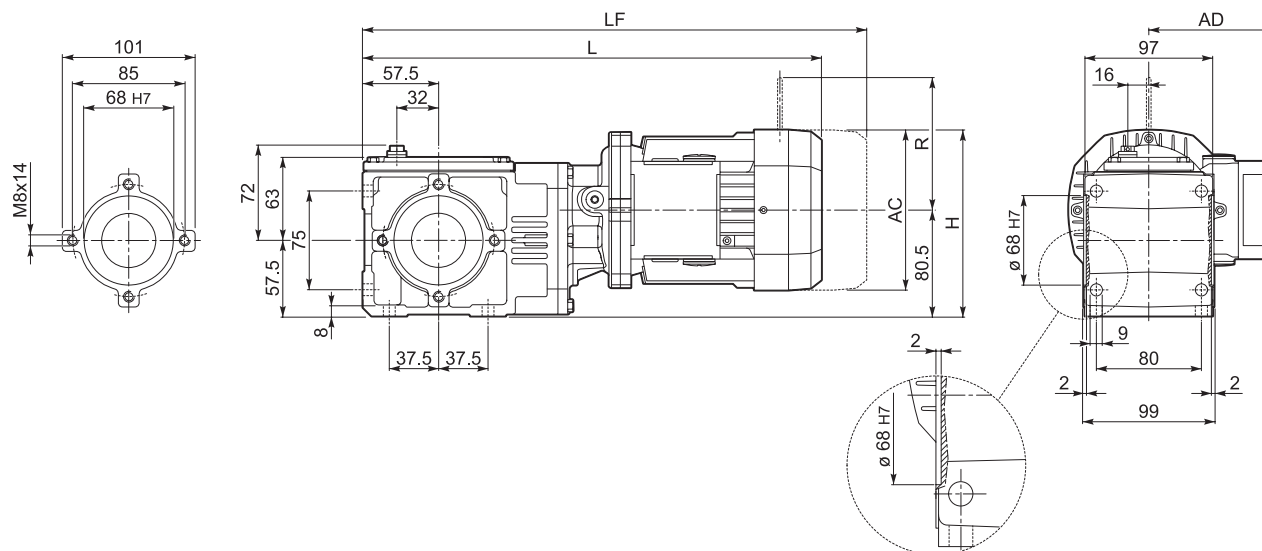






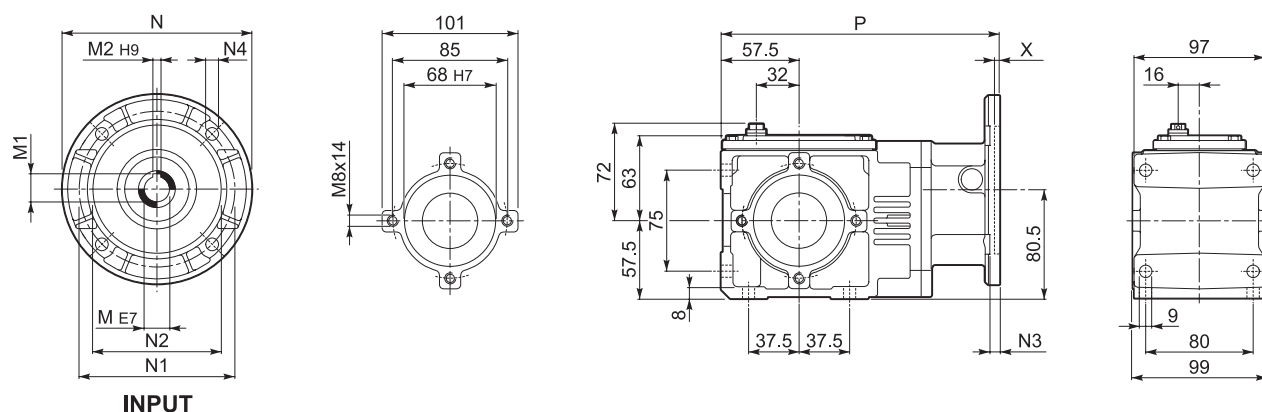
43 DIMENSIONS

A 05...M/ME/MX/MXN



			AC	H	L	AD	Kg	M...FD M...FA	Kg	R	AD	R	AD
A 05 2	S05	M05	121	141	360.5	95	7.5	426.5	9	96	122	116	95
A 05 2	S05	ME05	121	141	360.5	95	7.5	426.5	9	96	119	116	119
A 05 2	S05	MXN05	123	142	407	136	9.3	454	10.4	96	136	116	136
A 05 2	S1	M1	138	149.5	389.5	108	11.5	450.5	14	103	135	124	108
A 05 2	S1	ME1	138	149.5	389.5	108	11.5	450.5	14	103	135	124	135
A 05 2	S2	ME2S	156	158.5	418.5	119	15.5	488.5	17.1	129	143	134	143
A 05 2	S2	MX2S	156	158.5	452.5	119	20.6	524.5	24.4	129	143	134	143

A 05...P(IEC)



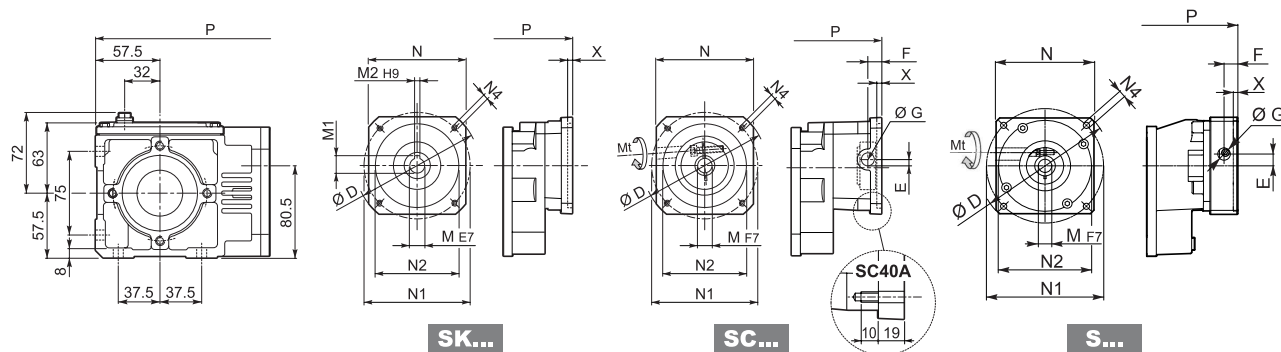
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 05 2	P63	11	12.8	4	140	115	95	7	9.5	3.5	206	5
A 05 2	P71	14	16.3	5	160	130	110	7	9.5	4	213	5
A 05 2	P80	19	20.8	6	200	165	130	7	11.5	4	223	5.5

Lowered key of Bonfiglioli supply



A 05...SK / SC / S

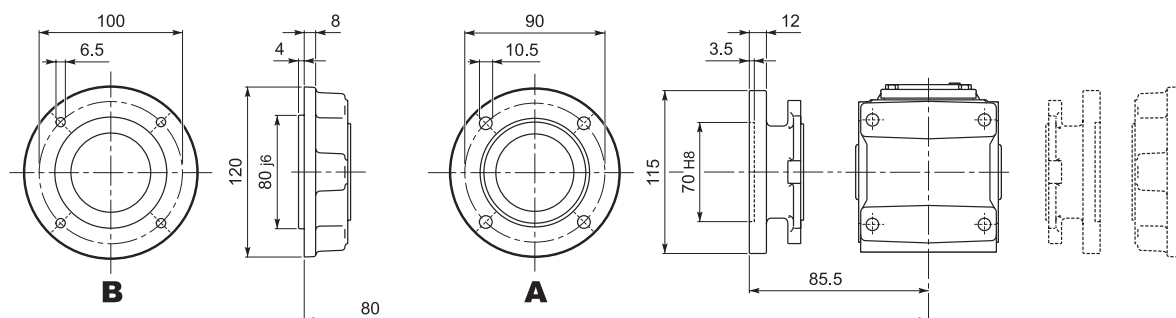


		D	M	M1	M2	N	N1	N2	N4	X	P	Kg
A 05 2	SK40A	74	9	10.4	3	55	63	40	M5x10	3	207.5	5
A 05 2	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	206	5
A 05 2	SK60B	102	14	16.3	5	82	75	60	M5x10	4	213	5
A 05 2	SK80A	115	14	16.3	5	90	100	80	M6x12	4	213	5

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
A 05 2	SC40A	M5 15	74	10.5	9.5	12.5	9	55	63	40	M5x10	3	226.5	6
A 05 2	SC60A	M6 15	102	7	12.5	12.5	11	82	75	60	M5x10	4	233	6
A 05 2	SC60B	M6 15	102	7	12.5	12.5	14	82	75	60	M5x10	4	233	6
A 05 2	SC80A	M6 15	115	6	12.5	12.5	14	90	100	80	M6x12	4	233	6

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
A 05 2	5S9F40B1	M6 11	108	15.1	10.5	13.75	9	80	63	40	M4x12	4	235.7	6
A 05 2	S11F40B1	M6 11	108	15.1	10.5	13.75	11	80	63	40	M4x12	4	235.7	6
A 05 2	S11F50C1	M6 11	90	15.1	13.75	13.75	11	80	70	50	M4x10	4	235.7	6
A 05 2	S14F40B1	M6 11	108	15.1	10.5	13.75	14	80	63	40	M4x12	4	235.7	6
A 05 2	S14F50C1	M6 11	90	15.1	13.75	13.75	14	80	70	50	M4x10	4	235.7	6
A 05 2	S11F60A2	M6 11	108	15.1	13.75	13.75	11	80	75	60	M5x16	4	235.7	6
A 05 2	S14F60A2	M6 11	108	13.75	15.1	13.75	14	80	75	60	M5x16	4	235.7	6
A 05 2	S14F80A1	M6 11	120	13.75	15.1	13.75	14	90	100	80	M6x16	4	235.7	6
A 05 2	S19F80A1	M6 11	120	13.75	15.1	13.75	19	90	100	80	M6x16	4	235.7	6

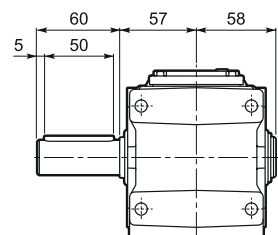
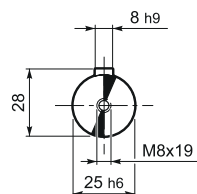
A 05...F...



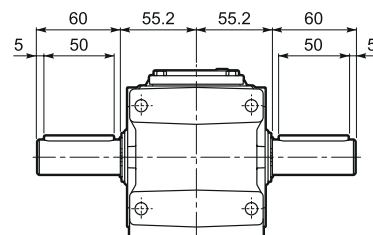
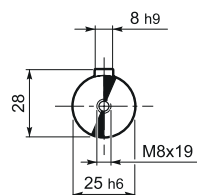


A 05

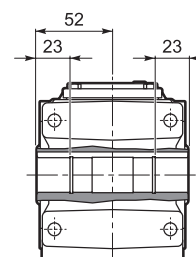
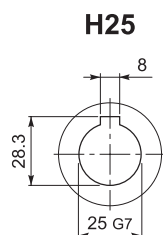
A 05...UR



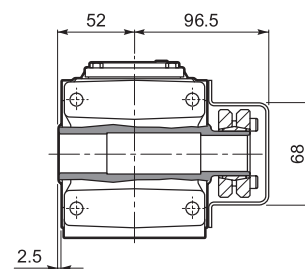
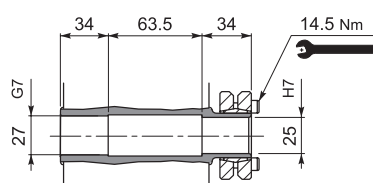
A 05...UD

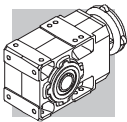


A 05...UH

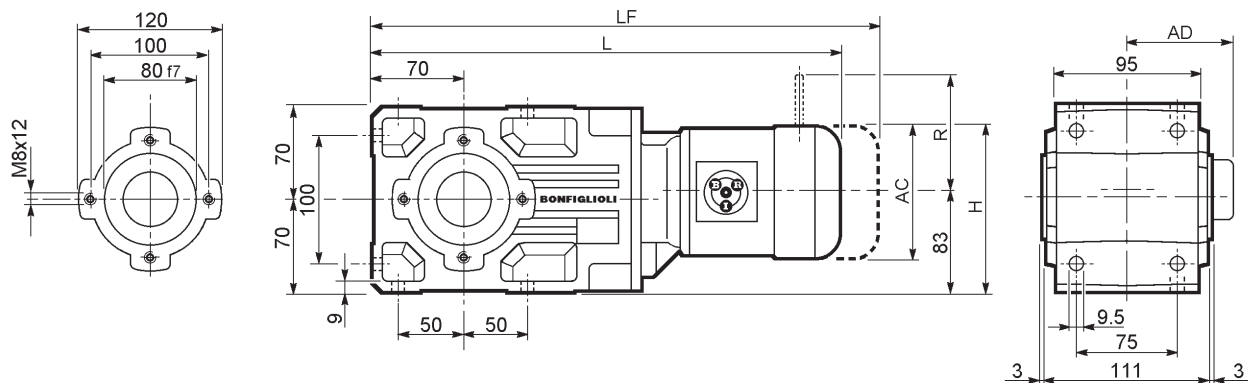




A 05...US





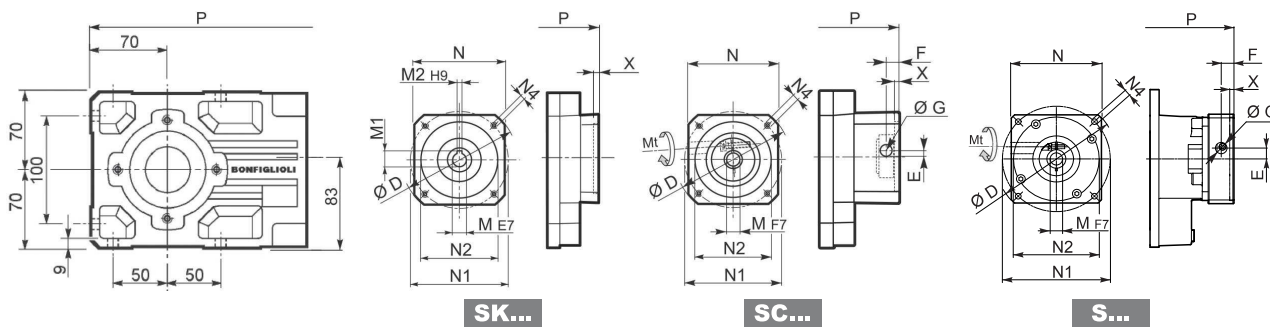
A 10...M/ME/MX/MXN



									M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD			LF		R	AD	R	AD
A 10 2	S05	M05	121	143.5	408.5	95	12		474.5	14	96	122	116	95
A 10 2	S05	ME05	121	143.5	408.5	95	12		474.5	14	96	119	116	119
A 10 2	S05	MXN05	123	144.5	455	136	13.8		502	14.9	96	136	116	136
A 10 2	S1	M1	138	152	437.5	108	14		498.5	17	103	135	124	108
A 10 2	S1	ME1	138	152	437.5	108	14		498.5	17	103	135	124	135
A 10 2	S10	MXN10	138	152	466.5	137	16.4		525.5	18.8	103	138	121	138
A 10 2	S2	ME2S	156	161	466.5	119	18		536.5	20.1	129	143	134	143
A 10 2	S2	MX2S	156	161	510.5	119	23.1		568	27.3	129	143	134	143
A 10 2	S20	MXN20	158	162	564	146	25.3		635	27.7	129	148	131	148
A 10 2	S3	ME3S	195	180.5	509.5	142	24.5		605.5	30.5	160	155	160	155
A 10 2	S3	MX3S	195	180.5	541.5	142	27.5		631.5	34.5	160	155	160	155
A 10 2	S3	ME3L	195	180.5	541.5	142	30		632.5	32.6	160	155	160	155
A 10 2	S3	MX3L	195	180.5	585.5	142	36		677.5	43.4	160	155	160	155



A 10...SK / SC / S

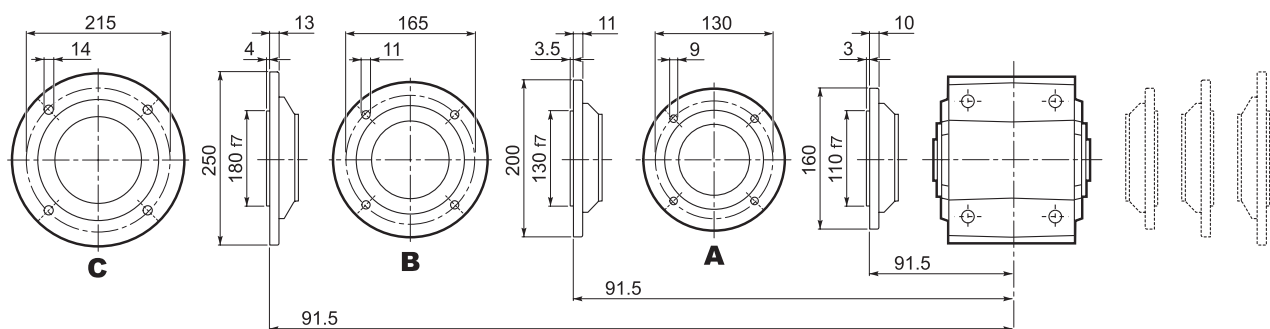


		D	M	M1	M2	N	N1	N2	N4	X	P	Kg
A 10 2	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	254	8
A 10 2	SK60B	102	14	16.3	5	82	75	60	M5x10	4	261	8
A 10 2	SK80A	115	14	16.3	5	90	100	80	M6x12	4	261	8
A 10 2	SK80C	120	19	21.8	6	96	100	80	M6x12	4	302	9
A 10 2	SK95A	130	14	16.3	5	102	115	95	M8x12	4	302	9
A 10 2	SK95B	130	19	21.8	6	102	115	95	M8x12	4	302	9
A 10 2	SK95C	130	24	27.3	8	102	115	95	M8x12	4	302	9
A 10 2	SK110A	150	19	21.8	6	120	130	110	M8x12	5	302	9
A 10 2	SK110B	150	24	27.3	8	120	130	110	M8x12	5	302	9

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
A 10 2	SC60A	M6 15	102	7	12.5	12.5	11	82	75	60	M5x10	4	281	9
A 10 2	SC60B	M6 15	102	7	12.5	12.5	14	82	75	60	M5x10	4	281	9
A 10 2	SC80A	M6 15	115	6	12.5	12.5	14	90	100	80	M6x12	4	281	9
A 10 2	SC80C	M6 15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	325.5	10
A 10 2	SC95A	M6 15	130	16.5	15	17.75	14	102	115	95	M8x16	4	325.5	10
A 10 2	SC95B	M6 15	130	16.5	15	17.75	19	102	115	95	M8x16	4	325.5	10
A 10 2	SC95C	M6 15	130	16.5	15	17.75	24	102	115	95	M8x16	4	325.5	10
A 10 2	SC110A	M6 15	150	16.5	16	17.75	19	120	130	110	M8x16	5	325.5	12
A 10 2	SC110B	M6 15	150	16.5	16	17.75	24	120	130	110	M8x16	5	325.5	12

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
A 10 2	S11F60A2	M6 11	135	16.3	15.5	13.75	11	100	75	60	M5x14	6.5	327.5	10
A 10 2	S14F60A2	M6 11	135	15.5	16.3	13.75	14	100	75	60	M5x14	6.5	327.5	10
A 10 2	S14F80A1	M6 11	135	15.5	16.3	13.75	14	100	100	80	M6x16	6.5	327.5	10
A 10 2	S19F80A1	M6 11	135	15.5	16.3	13.75	19	100	100	80	M6x16	6.5	327.5	10
A 10 2	S16F80A1	M6 11	135	15.5	16.3	17.75	14	100	100	80	M6x16	6.5	327.5	10
A 10 2	S19F70B1	M6 11	135	15.5	16.3	17.75	16	100	90	70	M5x12	6.5	327.5	10
A 10 2	S19F95A	M6 11	135	15.5	16.3	17.75	19	100	115	95	M8x18	6.5	327.5	10
A 10 2	S24F110A	M6 14	155	15.5	16.3	17.75	19	115	130	110	M8x18	6.5	327.5	10
A 10 2	S24F95A	M6 14	135	15.5	16.3	17.75	24	100	115	95	M8x18	6.5	327.5	10

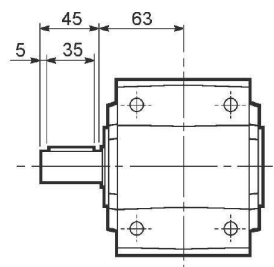
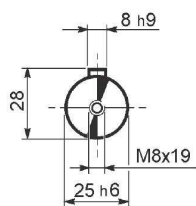
A 10...F...



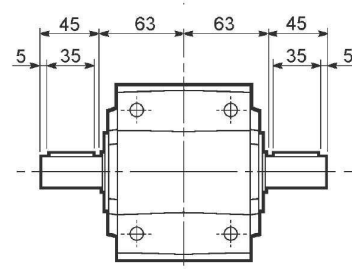
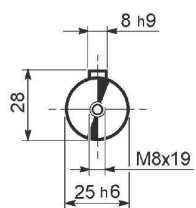


A 10

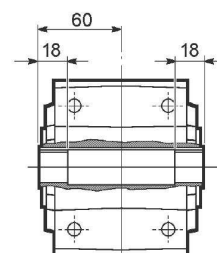
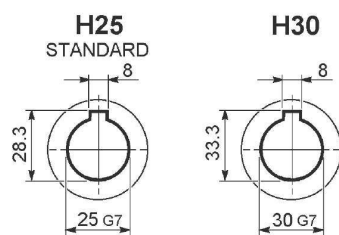
A 10...UR



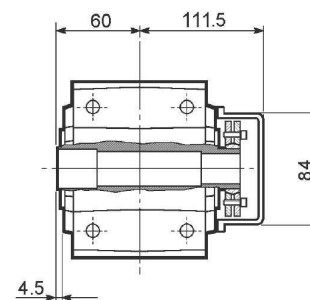
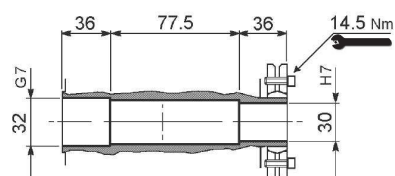
A 10...UD



A 10...UH

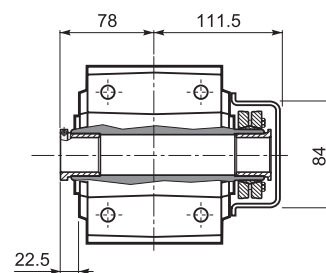
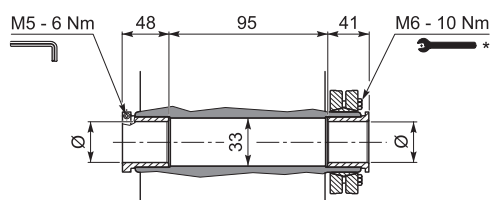


A 10...US








A10...QF

	Ø
QF25	25
QF30	30



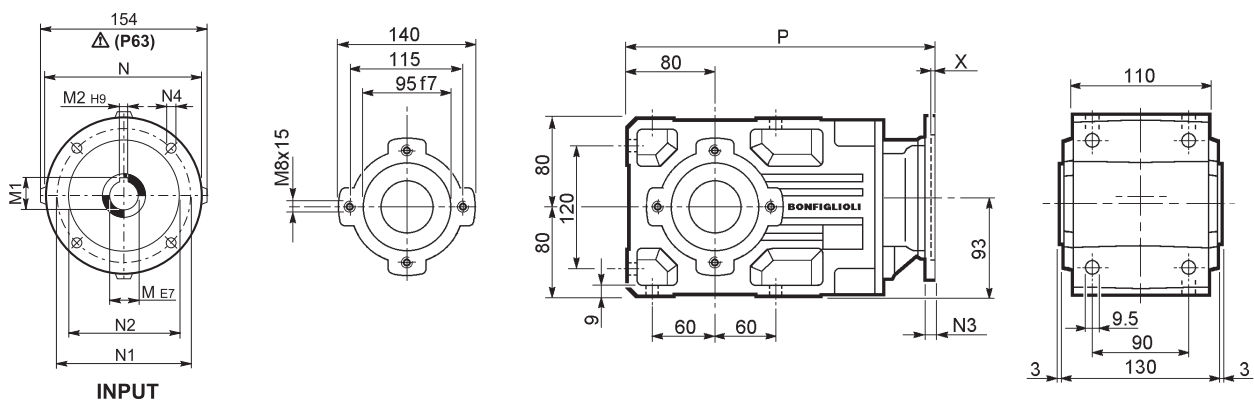
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD		LF		R	AD	R	AD
A 20 2	S05	M05	121	143.5	432	95	16	498	18	96	122	116	95
A 20 2	S05	ME05	121	143.5	432	95	16	498	18	96	119	116	119
A 20 2	S05	MXN05	123	144.5	478.5	136	17.8	525.5	18.9	96	136	116	136
A 20 2	S1	M1	138	152	461	108	18	522	21	103	135	124	108
A 20 2	S1	ME1	138	152	461	108	18	522	21	103	135	124	135
A 20 2	S10	MXN10	138	152	490	137	20.4	549	22.8	103	138	121	138
A 20 2	S2	ME2S	156	161	490	119	22	560	24.1	129	143	134	143
A 20 2	S2	MX2S	156	161	534	119	27.1	606	31.3	129	143	134	143
A 20 2	S20	MXN20	158	162	487.5	146	29.3	558.5	31.5	129	148	131	148
A 20 2	S3	ME3S	195	180.5	533	142	28.5	629	34.5	160	155	160	155
A 20 2	S3	MX3S	195	180.5	565	142	31.5	655	38.5	160	155	160	155
A 20 2	S3	ME3L	195	180.5	565	142	34	656	40	160	155	160	155
A 20 2	S3	MX3L	195	180.5	609	142	40	701	47	160	155	160	155
A 20 3	S05	M05	121	143.5	457.5	95	16	553.5	18	96	122	116	95
A 20 3	S05	ME05	121	143.5	457.5	95	16	553.5	18	96	119	116	119
A 20 3	S05	MXN05	123	144.5	504	136	17.8	551	18.9	96	136	116	136
A 20 3	S1	M1	138	152	486.5	108	19	577.5	21	103	135	124	108
A 20 3	S1	M1	138	152	486.5	108	19	577.5	21	103	135	124	135
A 20 3	S10	MXN10	138	152	515.5	137	21.4	574.5	23.8	103	138	121	138
A 20 3	S2	ME2S	156	161	545.5	119	23	615.5	24.6	129	143	134	143
A 20 3	S2	MX2S	156	161	589.5	119	28.1	661.5	31.9	129	143	134	143
A 20 3	S20	MXN20	158	162	643	146	30.3	714	32.5	129	148	131	148
A 20 3	S3	ME3S	195	180.5	588.5	142	29.5	684.5	35.5	160	155	160	155
A 20 3	S3	MX3S	195	180.5	620.5	142	32.5	710.5	39.5	160	155	160	155
A 20 3	S3	ME3L	195	180.5	620.5	142	35	711.5	41	160	155	160	155
A 20 3	S3	MX3L	195	180.5	664.5	142	41	756.5	48	160	155	160	155



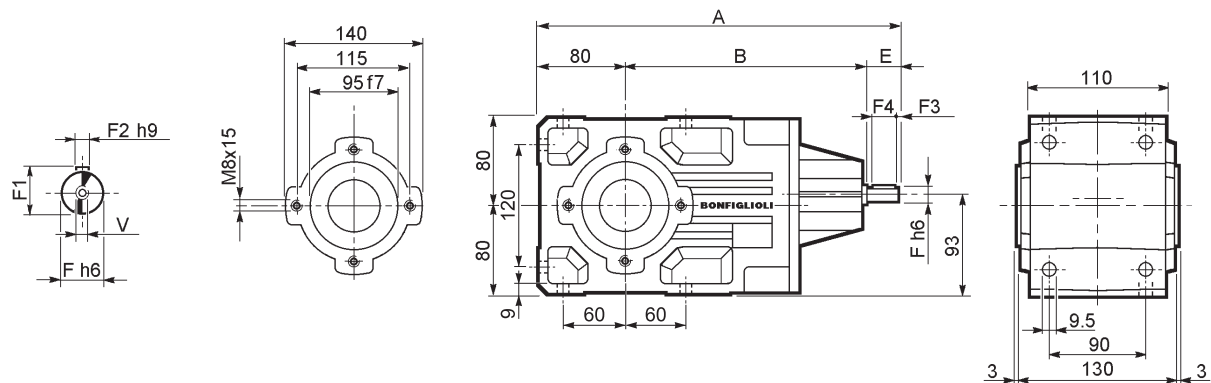
A 20...P(IEC)



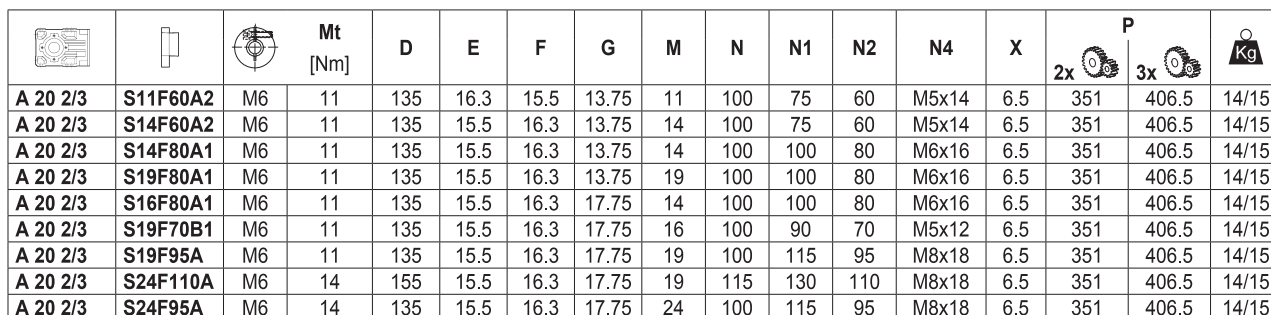
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 20 2	P63	11	12.8	4	140	115	95	—	M8x19	4	306	12
A 20 2	P71	14	16.3	5	160	130	110	—	M8x16	4.5	306	12
A 20 2	P80	19	21.8	6	200	165	130	—	M10x14.5	4	325.5	13
A 20 2	P90	24	27.3	8	200	165	130	—	M10x14.5	4	325.5	13
A 20 2	P100	28	31.3	8	250	215	180	—	M12x16	4.5	335.5	17
A 20 2	P112	28	31.3	8	250	215	180	—	M12x16	4.5	335.5	17
A 20 3	P63	11	12.8	4	140	115	95	—	M8x19	4	361.5	13
A 20 3	P71	14	16.3	5	160	130	110	—	M8x16	4.5	361.5	13
A 20 3	P80	19	21.8	6	200	165	130	—	M10x14.5	4	381	14
A 20 3	P90	24	27.3	8	200	165	130	—	M10x14.5	4	381	14
A 20 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	391	18
A 20 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	391	18

A 20...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 20 2	HS	356	236	40	19	21.5	6	2.5	35	M6x16	11.9
A 20 3	HS	368.5	248.5	40	16	18	5	2.5	35	M6x16	12.2



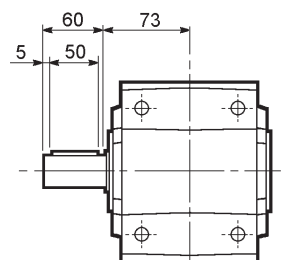
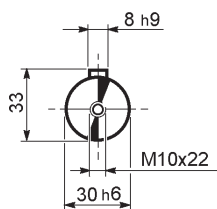
A 20...F...



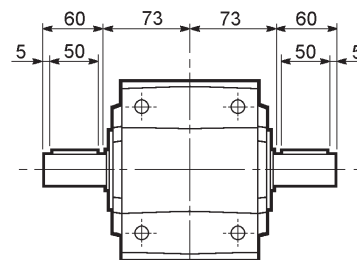
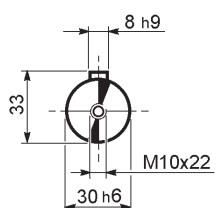


A 20

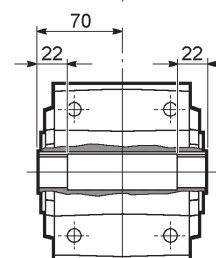
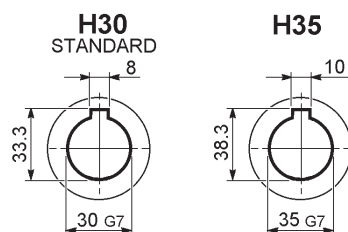
A 20...UR



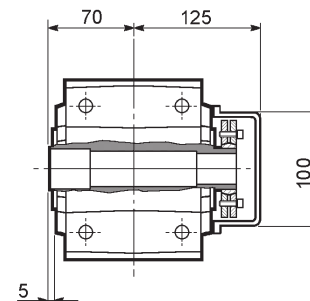
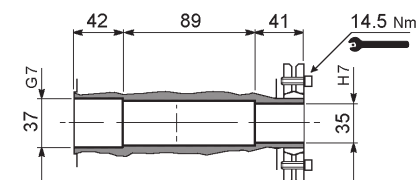
A 20...UD



A 20...UH

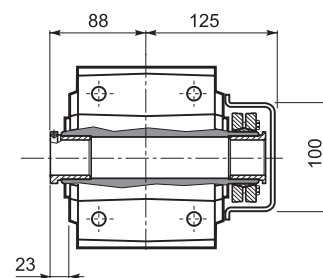
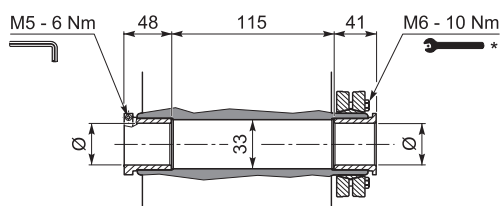


A 20...US

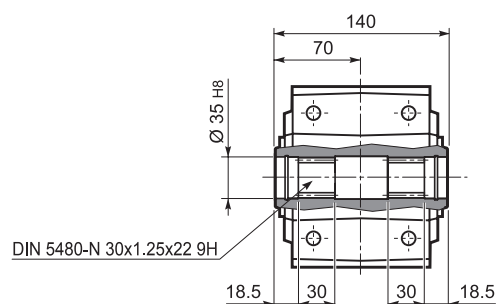


A 20...QF

	Ø
QF25	25
QF30	30



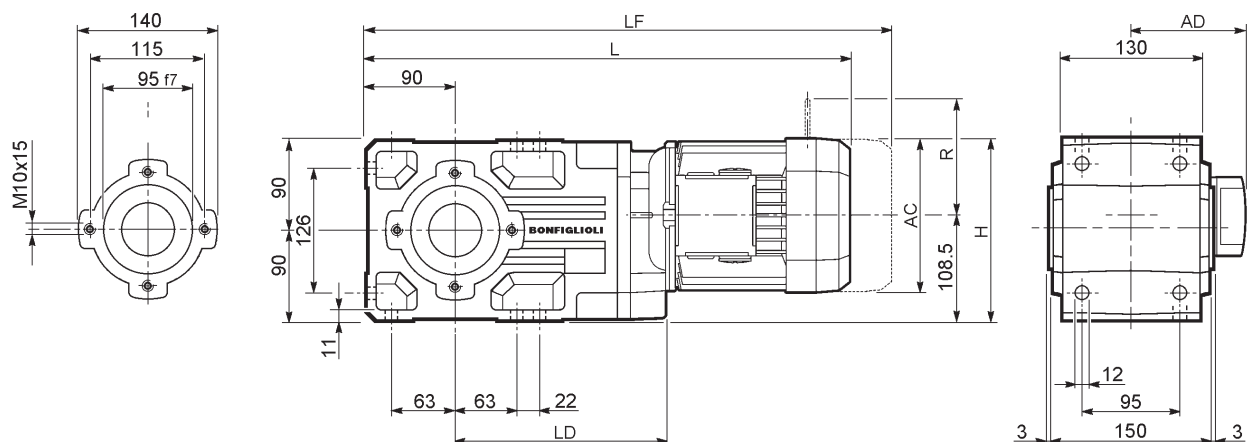
A 20...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



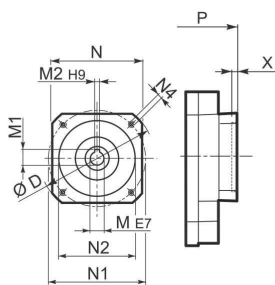
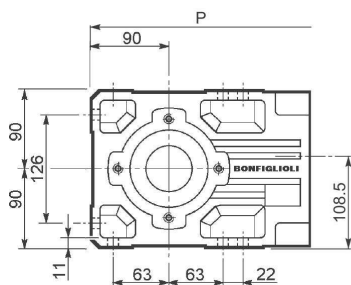
A 30...M/ME/MX/MXN



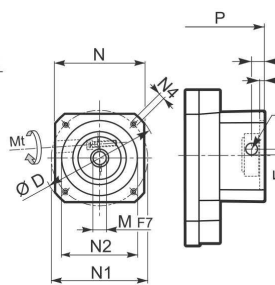
										M...FD M...FA		M...FD		M...FA	
			AC	H	L	LD	AD	Kg		LF	Kg	R	AD	R	AD
A 30 2	S1	M1	138	177.5	488	201	108	22	549	24	103	135	124	108	
A 30 2	S1	ME1	138	177.5	488	201	108	22	549	24	103	135	124	135	
A 30 2	S10	MXN10	138	177.5	517	201	137	24.4	576	26.8	103	138	121	138	
A 30 2	S2	ME2S	156	186.5	517	213	119	25	587	27.1	129	143	134	143	
A 30 2	S2	MX2S	156	186.5	561	213	119	30.1	633	34.6	129	143	134	143	
A 30 2	S3	ME3S	195	206	560	223	142	31.5	656	37.5	160	155	160	155	
A 30 2	S3	MX3S	195	206	592	223	142	34.5	682	41.5	160	155	160	155	
A 30 2	S3	ME3L	195	206	592	223	142	38	683	44	160	155	160	155	
A 30 2	S3	MX3L	195	206	636	223	142	44	728	51	160	155	160	155	
A 30 3	S05	M05	121	169	516.5	—	95	21	582.5	22	96	122	116	95	
A 30 3	S05	ME05	121	169	516.5	—	95	21	582.5	22	96	119	116	119	
A 30 3	S05	MXN05	123	170	563	—	136	22.8	610	23.9	96	136	116	136	
A 30 3	S1	M1	138	177.5	545.5	—	108	23	606.5	26	103	135	124	108	
A 30 3	S1	ME1	138	177.5	545.5	—	108	23	606.5	26	103	135	124	135	
A 30 3	S10	MXN10	138	177.5	574.5	—	137	25.4	633.5	27.8	103	138	121	138	
A 30 3	S2	ME2S	156	186.5	574.5	—	119	25	644.5	29.1	129	143	134	143	
A 30 3	S2	MX2S	156	186.5	618.5	—	119	30.1	690.5	36.6	129	143	134	143	
A 30 3	S20	MXN20	158	187.5	672	—	146	32.3	743	34.5	129	148	131	148	
A 30 3	S3	ME3S	195	206	617.5	—	142	31.5	713.5	38.4	160	155	160	155	
A 30 3	S3	MX3S	195	206	649.5	—	142	34.5	739.5	41.5	160	155	160	155	
A 30 3	S3	ME3L	195	206	649.5	—	142	38	740.5	44	160	155	160	155	
A 30 3	S3	MX3L	195	206	693.5	—	142	44	785.5	51	160	155	160	155	



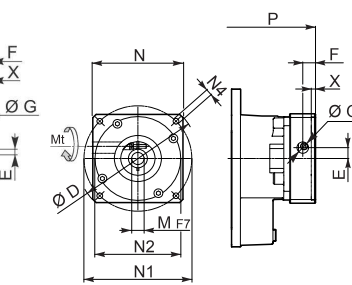
A 30...SK / SC / S



SK...



SC...



S...

		D	M	M1	M2	N	N1	N2	N4	X	P		Kg
											2x	3x	
A 30 2/3	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	304.5	362	15/16
A 30 2/3	SK60B	102	14	16.3	5	82	75	60	M5x10	4	311.5	369	16/17
A 30 2/3	SK80A	115	14	16.3	5	90	100	80	M6x12	4	311.5	369	16/17
A 30 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	352.5	410	17/18
A 30 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	352.5	410	17/18
A 30 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	352.5	410	17/18
A 30 2	SK130A	188	24	27.3	8	142	165	130	M10x20	5	352.5	—	18

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		Kg
													2x	3x	
A 30 2/3	SC60A	M6 15	102	7	12.5	12.5	11	82	75	60	M5x10	4	331.5	389	16/17
A 30 2/3	SC60B	M6 15	102	7	12.5	12.5	14	82	75	60	M5x10	4	331.5	389	17/18
A 30 2/3	SC80A	M6 15	115	6	12.5	12.5	14	90	100	80	M6x12	4	331.5	389	17/18
A 30 2/3	SC80C	M6 15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	376	433.5	18/19
A 30 2/3	SC95A	M6 15	130	16.5	15	17.75	14	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	SC95B	M6 15	130	16.5	15	17.75	19	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	SC95C	M6 15	130	16.5	15	17.75	24	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	SC 110A	M6 15	150	16.5	16	17.75	19	120	130	110	M8x16	5	376	433.5	19/20
A 30 2/3	SC 110B	M6 15	150	16.5	16	17.75	24	120	130	110	M8x16	5	376	433.5	19/20
A 30 2	SC 130A	M6 15	188	19	16	17.75	24	142	165	130	M10x20	5	376	—	20

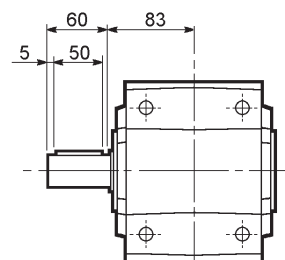
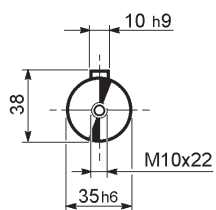
		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		Kg
													2x	3x	
A 30 2	S14F80A2	M6 11	165	17	19.5	17.75	14	130	100	80	M6x15	4	382	—	19
A 30 2	S16F80A2	M6 11	165	17	19.5	17.75	16	130	100	80	M6x15	4	382	—	19
A 30 2	S19F110B1	M6 11	165	17	29.5	17.75	19	130	145	110	M8x20	6.5	392	—	19
A 30 2	S22F110B1	M6 14	165	17	29.5	17.75	22	130	145	110	M8x20	6.5	392	—	19
A 30 2	S24F110B1	M6 14	165	17	29.5	17.75	24	130	145	110	M8x20	6.5	392	—	19
A 30 2	S19F80A2	M6 11	165	17	19.5	17.75	19	130	100	80	M6x15	4	382	—	19
A 30 2	S19F95A1	M6 11	165	17	19.5	17.75	19	130	115	95	M8x20	6.5	382	—	19
A 30 2	S24F110A1	M6 14	165	17	19.5	17.75	24	130	130	110	M8x20	4	382	—	19
A 30 2	S24F130A	M6 14	190	17	19.5	17.75	24	140	165	130	M10x20	6.5	382	—	19
A 30 2	S24F95A1	M6 14	165	17	19.5	17.75	24	130	115	95	M8x20	6.5	382	—	19
A 30 2	S28F130A	M8 20	190	17	19.5	17.75	28	140	165	130	M10x20	6.5	382	—	19
A 30 2	S28F180A	M8 20	205	21.5	29.5	17.75	28	190	215	180	M14x25	5.5	392	—	19

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		Kg
													2x	3x	
A 30 3	S11F60A2	M6 11	135	16.3	15.5	13.75	11	100	75	60	M5x14	6.5	—	435.5	19
A 30 3	S14F60A2	M6 11	135	15.5	16.3	13.75	14	100	75	60	M5x14	6.5	—	435.5	19
A 30 3	S14F80A1	M6 11	135	15.5	16.3	13.75	14	100	100	80	M6x16	6.5	—	435.5	19
A 30 3	S19F80A1	M6 11	135	15.5	16.3	13.75	19	100	100	80	M6x16	6.5	—	435.5	19
A 30 3	S16F80A1	M6 11	135	15.5	16.3	17.75	14	100	100	80	M6x16	6.5	—	435.5	19
A 30 3	S19F70B1	M6 11	135	15.5	16.3	17.75	16	100	90	70	M5x12	6.5	—	435.5	19
A 30 3	S19F95A	M6 11	135	15.5	16.3	17.75	19	100	115	95	M8x18	6.5	—	435.5	19
A 30 3	S24F110A	M6 14	155	15.5	16.3	17.75	19	115	130	110	M8x18	6.5	—	435.5	19
A 30 3	S24F95A	M6 14	135	15.5	16.3	17.75	24	100	115	95	M8x18	6.5	—	435.5	19

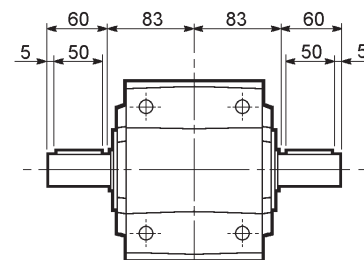
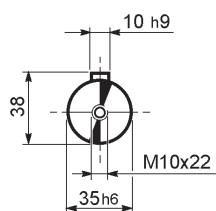


A 30

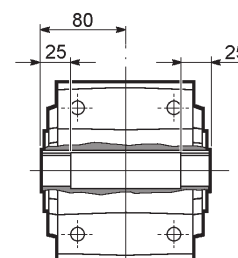
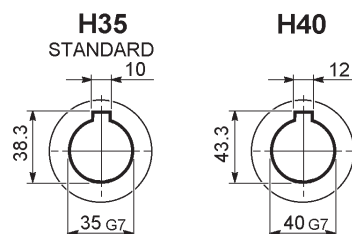
A 30...UR



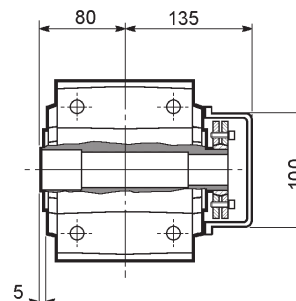
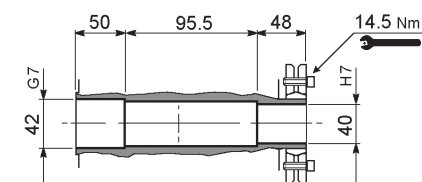
A 30...UD



A 30...UH

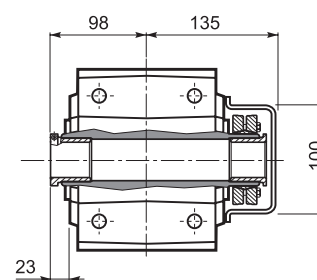
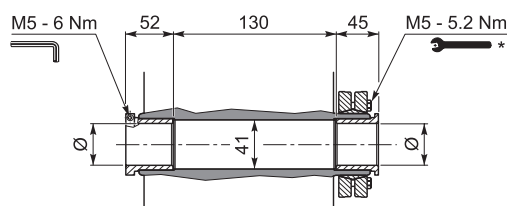


A 30...US

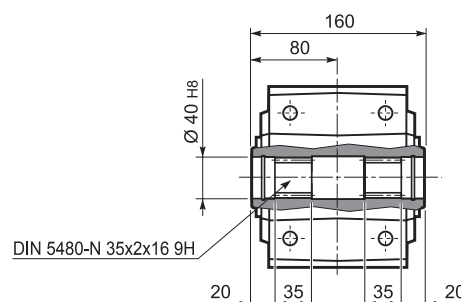


A 30...QF

	Ø
QF35	35
QF40	40



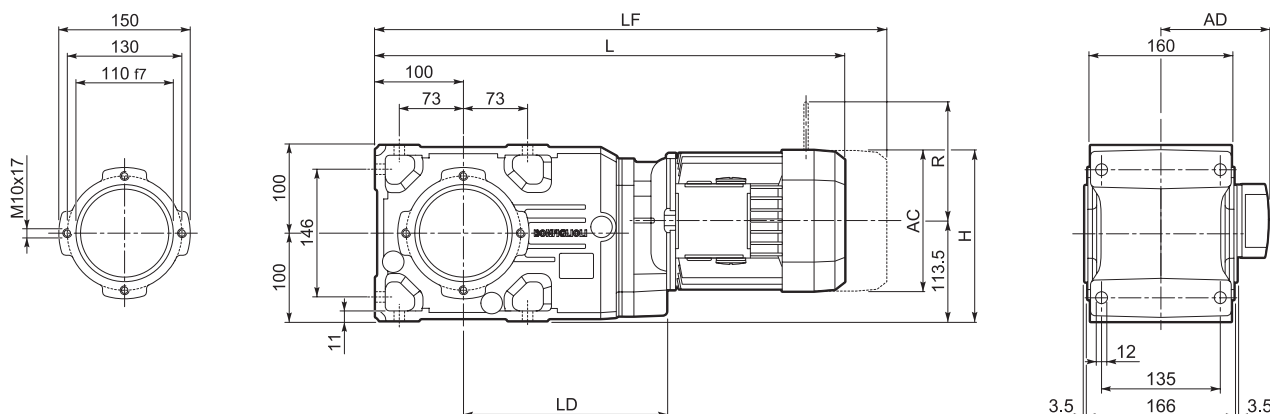
A 30...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



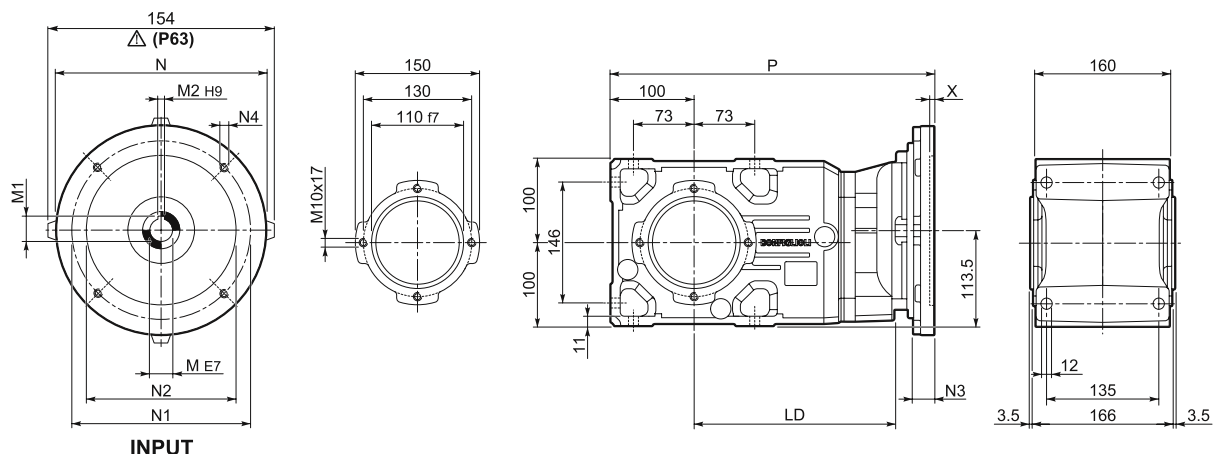
A 35...M/ME/MX/MXN



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 35 2	S1	M1		138	182.5	514.5	217.5	108	34	575.5	36	103	135	124	108
A 35 2	S1	ME1		138	182.5	514.5	217.5	108	34	575.5	36	103	135	124	135
A 35 2	S10	MXN10		138	182.5	543.5	217.5	137	36.4	602.5	38.8	103	138	121	138
A 35 2	S2	ME2S		156	191.5	543.5	229.5	119	37	613.5	39.1	129	143	134	143
A 35 2	S2	MX2S		156	191.5	587.5	229.5	119	37	659.5	46.3	129	143	134	143
A 35 2	S3	ME3S		195	211	586.5	239.5	142	43.5	682.5	49.5	160	155	160	155
A 35 2	S3	MX3S		195	211	618.5	239.5	142	43.5	708.5	50.5	160	155	160	155
A 35 2	S3	ME3L		195	211	618.5	239.5	142	50	709.5	56	160	155	160	155
A 35 2	S3	MX3L		195	211	652.5	239.5	142	50	744.5	57	160	155	160	155
A 35 2	S4	ME4	MX4	258	242.5	726.5	—	193	89	835.5	102	204	210	200	210
A 35 2	S4	ME4LB	MX4LA	258	242.5	761.5	—	193	97	860.5	113	226	210	217	210
A 35 3	S05	M05S		121	174	543	—	95	33	609	34	96	122	116	95
A 35 3	S05	ME05S		121	174	543	—	95	33	609	34	96	119	116	119
A 35 3	S05	MXN05		123	175	589.5	—	136	34.8	636.5	35.9	96	136	116	136
A 35 3	S1	M1		138	182.5	572	—	108	35	633	38	103	135	124	108
A 35 3	S1	ME1		138	182.5	572	—	108	35	633	38	103	135	124	135
A 35 3	S10	MXN10		138	182.5	601	—	137	37.4	660	39.8	103	138	121	138
A 35 3	S2	ME2S		156	191.5	601	—	119	37	671	41.1	129	143	134	143
A 35 3	S2	MX2S		156	191.5	645	—	119	37	717	48.3	129	143	134	143
A 35 3	S20	MXN20		158	192.5	698.5	—	146	39.2	769.5	41.4	129	148	131	148
A 35 3	S3	ME3S		195	211	644	—	142	43.5	740	50.4	160	155	160	155
A 35 3	S3	MX3S		195	211	676	—	142	43.5	766	52.4	160	155	160	155
A 35 3	S3	ME3L		195	211	676	—	142	50	767	53.6	160	155	160	155
A 35 3	S3	MX3L		195	211	720	—	142	50	812	59.4	160	155	160	155



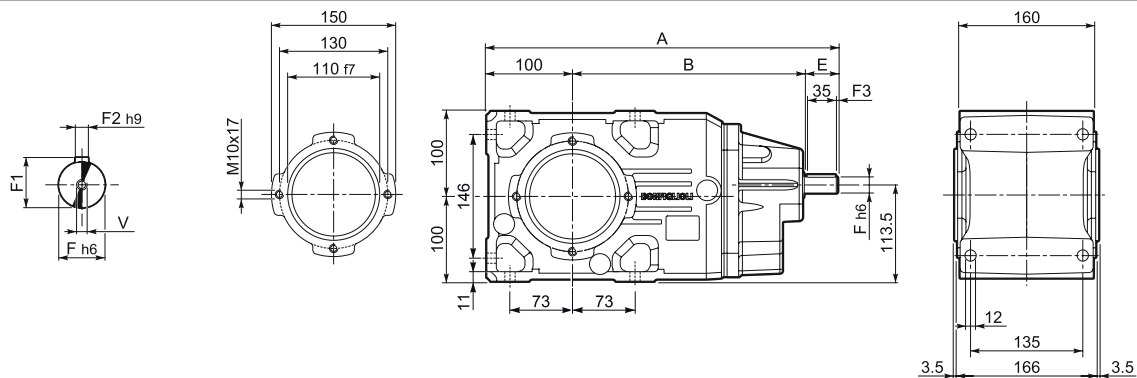
A 35...P(IEC)



INPUT

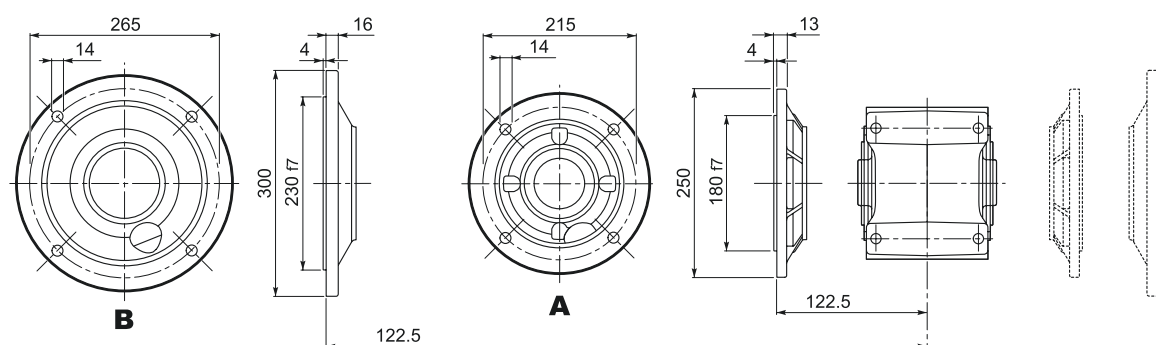
		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 35 2	P63	229.5	11	12.8	4	140	115	95	—	M8x19	4	359.5	28
A 35 2	P71	229.5	14	16.3	5	160	130	110	—	M8x16	4.5	359.5	28
A 35 2	P80	239.5	19	21.8	6	200	165	130	—	M10x14.5	4	379	29
A 35 2	P90	239.5	24	27.3	8	200	165	130	—	M10x14.5	4	379	29
A 35 2	P100	239.5	28	31.3	8	250	215	180	—	M12x16	4.5	389	32
A 35 2	P112	239.5	28	31.3	8	250	215	180	—	M12x16	4.5	389	32
A 35 2	P132	—	38	41.3	10	300	265	230	16	14	5	425.5	40
A 35 3	P63	—	11	12.8	4	140	115	95	—	M8x19	4	417	29
A 35 3	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	417	29
A 35 3	P80	—	19	21.8	6	200	165	130	—	M10x14.5	4	436.5	30
A 35 3	P90	—	24	27.3	8	200	165	130	—	M10x14.5	4	436.5	30
A 35 3	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	34
A 35 3	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	34

A 35...HS



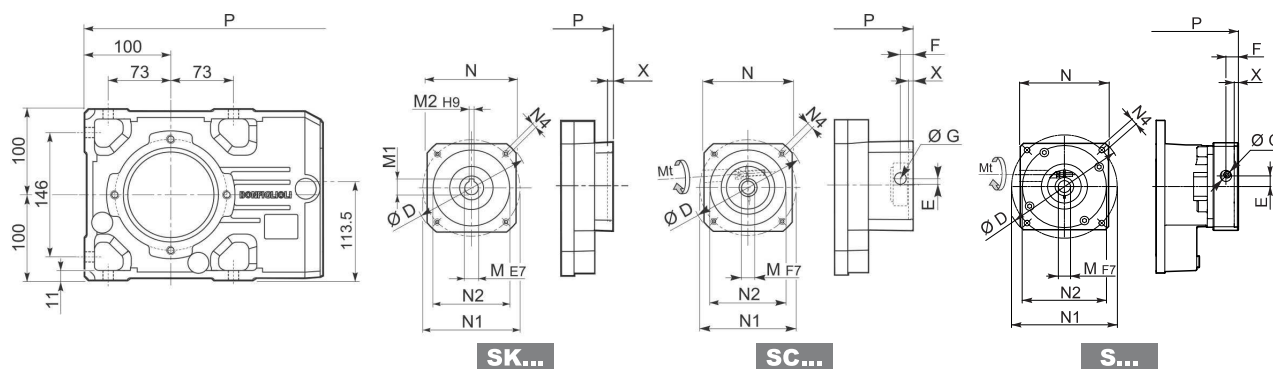
		A	B	E	F	F1	F2	F3	F4	V	kg
A 35 2	HS	409.5	269.5	40	19	21.5	6	2.5	35	M6x16	29
A 35 3	HS	424	284	40	16	18	5	2.5	35	M6x16	29






A 35...F...























A 35...SK / SC / S



		D	M	M1	M2	N	N1	N2	N4	X	P		
											2x 	3x 	
A 35 2/3	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	331	388.5	27/28
A 35 2/3	SK60B	102	14	16.3	5	82	75	60	M5x10	4	338	395.5	28/29
A 35 2/3	SK80A	115	14	16.3	5	90	100	80	M6x12	4	338	395.5	28/29
A 35 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	379	436.5	29/30
A 35 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	379	436.5	29/30
A 35 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	379	436.5	29/30
A 35 2	SK130A	188	24	27.3	8	142	165	130	M10x20	5	379	—	30

		 Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		
													 2x	 3x	
A 35 2/3	SC60A	M6 15	102	7	12.5	12.5	11	82	75	60	M5x10	4	358	415.5	28/29
A 35 2/3	SC60B	M6 15	102	7	12.5	12.5	14	82	75	60	M5x10	4	358	415.5	29/30
A 35 2/3	SC80A	M6 15	115	6	12.5	12.5	14	90	100	80	M6x12	4	358	415.5	29/30
A 35 2/3	SC80C	M6 15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	402.5	460	30/31
A 35 2/3	SC95A	M6 15	130	16.5	15	17.75	14	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	SC95B	M6 15	130	16.5	15	17.75	19	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	SC95C	M6 15	130	16.5	15	17.75	24	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	SC110A	M6 15	150	16.5	16	17.75	19	120	130	110	M8x16	5	402.5	460	32/33
A 35 2/3	SC110B	M6 15	150	16.5	16	17.75	24	120	130	110	M8x16	5	402.5	460	32/33
A 35 2	SC130A	M6 15	188	19	16	17.75	24	142	165	130	M10x20	5	402.5	—	33

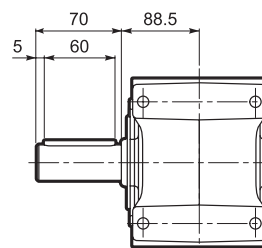
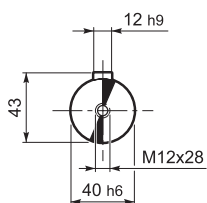
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		
														2x 	3x 	
A 35 2	S14F80A2	M6	11	165	17	19.5	17.75	14	130	100	80	M6x15	4	408.5	—	31
A 35 2	S16F80A2	M6	11	165	17	19.5	17.75	16	130	100	80	M6x15	4	408.5	—	31
A 35 2	S19F110B1	M6	11	165	17	29.5	17.75	19	130	145	110	M8x20	6.5	408.5	—	31
A 35 2	S22F110B1	M6	14	165	17	29.5	17.75	22	130	145	110	M8x20	6.5	418.5	—	31
A 35 2	S24F110B1	M6	14	165	17	29.5	17.75	24	130	145	110	M8x20	6.5	418.5	—	31
A 35 2	S19F80A2	M6	11	165	17	19.5	17.75	19	130	100	80	M6x15	4	408.5	—	31
A 35 2	S19F95A1	M6	11	165	17	19.5	17.75	19	130	115	95	M8x20	6.5	408.5	—	31
A 35 2	S24F110A1	M6	14	165	17	19.5	17.75	24	130	130	110	M8x20	4	408.5	—	31
A 35 2	S24F130A	M6	14	190	17	19.5	17.75	24	140	165	130	M10x20	6.5	408.5	—	31
A 35 2	S24F95A1	M6	14	165	17	19.5	17.75	24	130	115	95	M8x20	6.5	408.5	—	31
A 35 2	S28F130A	M8	20	190	17	19.5	17.75	28	140	165	130	M10x20	6.5	408.5	—	31
A 35 2	S28F180A	M8	20	205	21.5	29.5	17.75	28	190	215	180	M14x25	5.5	418.5	—	31

		 Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		
													 2x	 3x	
A 35 3	S11F60A2	M6 11	135	16.3	15.5	13.75	11	100	75	60	M5x14	6.5	—	462	32
A 35 3	S14F60A2	M6 11	135	15.5	16.3	13.75	14	100	75	60	M5x14	6.5	—	462	32
A 35 3	S14F80A1	M6 11	135	15.5	16.3	13.75	14	100	100	80	M6x16	6.5	—	462	32
A 35 3	S19F80A1	M6 11	135	15.5	16.3	13.75	19	100	100	80	M6x16	6.5	—	462	32
A 35 3	S16F80A1	M6 11	135	15.5	16.3	17.75	14	100	100	80	M6x16	6.5	—	462	32
A 35 3	S19F70B1	M6 11	135	15.5	16.3	17.75	16	100	90	70	M5x12	6.5	—	462	32
A 35 3	S19F95A	M6 11	135	15.5	16.3	17.75	19	100	115	95	M8x18	6.5	—	462	32
A 35 3	S24F110A	M6 14	155	15.5	16.3	17.75	19	115	130	110	M8x18	6.5	—	462	32
A 35 3	S24F95A	M6 14	135	15.5	16.3	17.75	24	100	115	95	M8x18	6.5	—	462	32

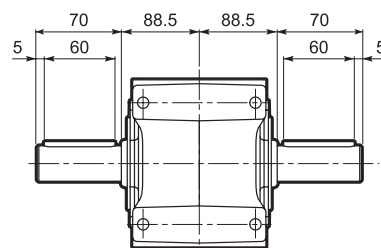
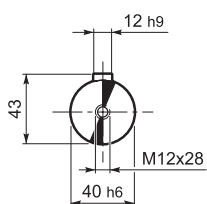


A 35

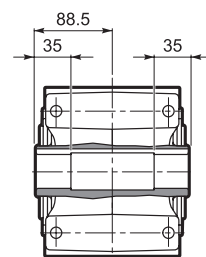
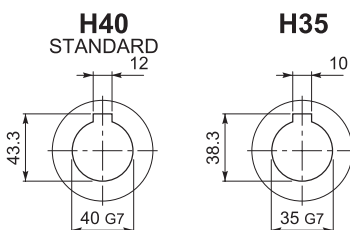
A 35...UR



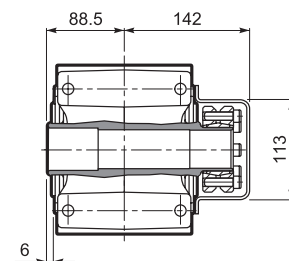
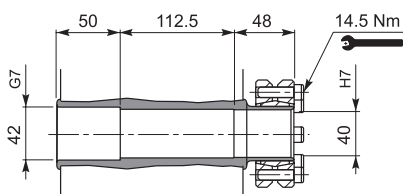
A 35...UD



A 35...UH



A 35...US

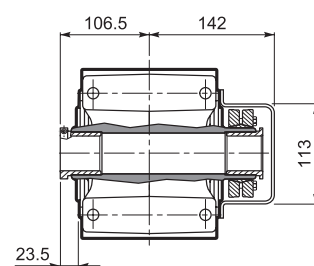
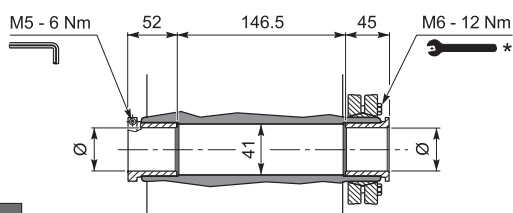


A 35...QF

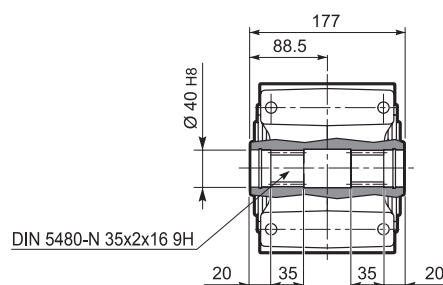
	Ø
QF35	35
QF40	40



	M _{n2} max [Nm]
A 35 QF35	550



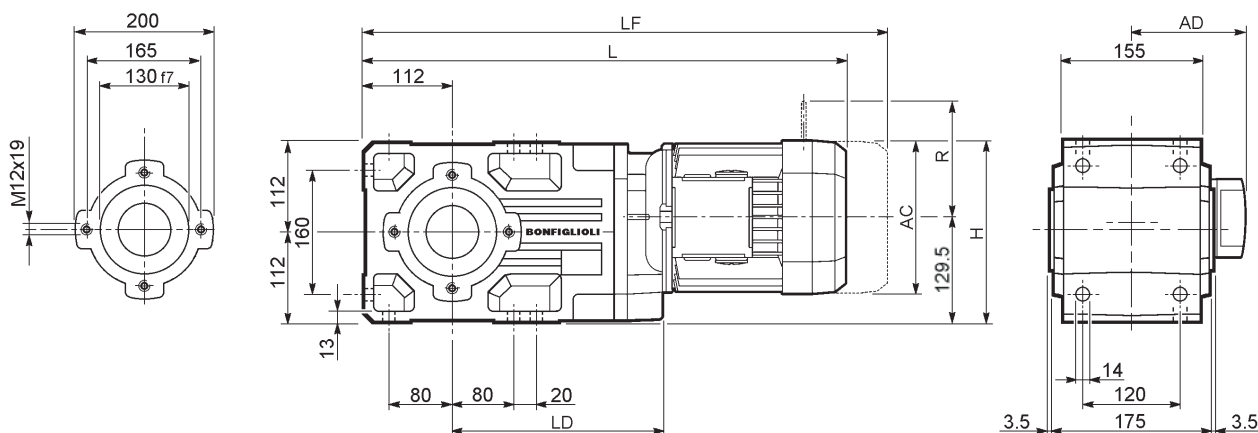
A 35...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



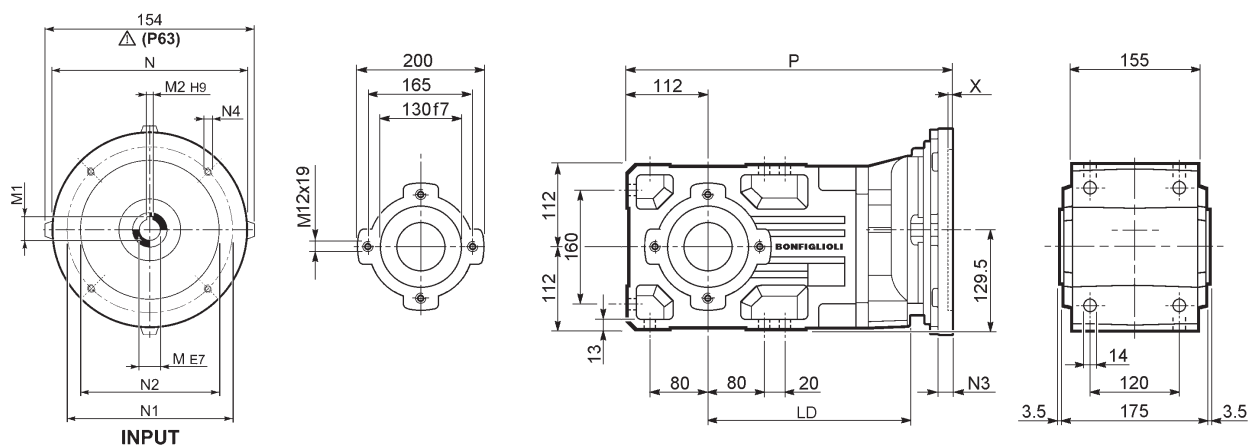
A 41...M/ME/MX/MXN



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD		LF		R	AD	R	AD
A 41 2	S1	M1		138	198.5	530	216.5	108	41	591	44	103	135	124	108
A 41 2	S1	ME1		138	198.5	530	216.5	108	41	591	44	103	135	124	135
A 41 2	S2	ME2S		156	207.5	559	232	119	45	629	46.8	129	143	134	143
A 41 2	S2	MX2S		156	207.5	603	232	119	50.1	675	53.7	129	143	134	143
A 41 2	S3	ME3S		195	227	602	248	142	51.5	698	57.5	160	155	160	155
A 41 2	S3	MX3S		195	227	634	248	142	54.5	692	61.5	160	155	160	155
A 41 2	S3	ME3L		195	227	634	248	142	58	725	64.3	160	155	160	155
A 41 2	S3	MX3L		195	227	678	248	142	64	770	71	160	155	160	155
A 41 2	S4	ME4	MX4	258	258.5	742	—	193	92	851	105	204	210	200	210
A 41 2	S4	ME4LB	MX4LA	258	258.5	777	—	193	100	876	116	226	210	217	210
A 41 3	S05	M05		121	245	562.5	—	95	44	628.5	46	96	122	116	95
A 41 3	S05	ME05		121	245	562.5	—	95	44	628.5	46	96	119	116	119
A 41 3	S05	MXN05		123	246	609	—	136	45.8	656	46.9	96	136	116	136
A 41 3	S1	M1		138	198.5	591.5	—	108	46	652.5	49	103	135	124	108
A 41 3	S1	ME1		138	198.5	591.5	—	108	46	652.5	49	103	135	124	135
A 41 3	S10	MXN10		138	198.5	620.5	—	137	48.4	679.5	50.8	103	138	121	138
A 41 3	S2	ME2S		156	207.5	620.5	—	119	50	690.5	51.6	129	143	134	143
A 41 3	S2	MX2S		156	207.5	664.5	—	119	55.1	736.5	58.9	129	143	134	143
A 41 3	S20	MXN20		158	208.5	718	—	146	57.3	789	59.5	129	148	131	148
A 41 3	S3	ME3S		195	227	663.5	—	142	56.5	759.5	62.5	160	155	160	155
A 41 3	S3	MX3S		195	227	695.5	—	142	59.5	785.5	66.5	160	155	160	155
A 41 3	S3	ME3L		195	227	695.5	—	142	61	786.5	67.3	160	155	160	155
A 41 3	S3	MX3L		195	227	739.5	—	142	67	831.5	74.8	160	155	160	155

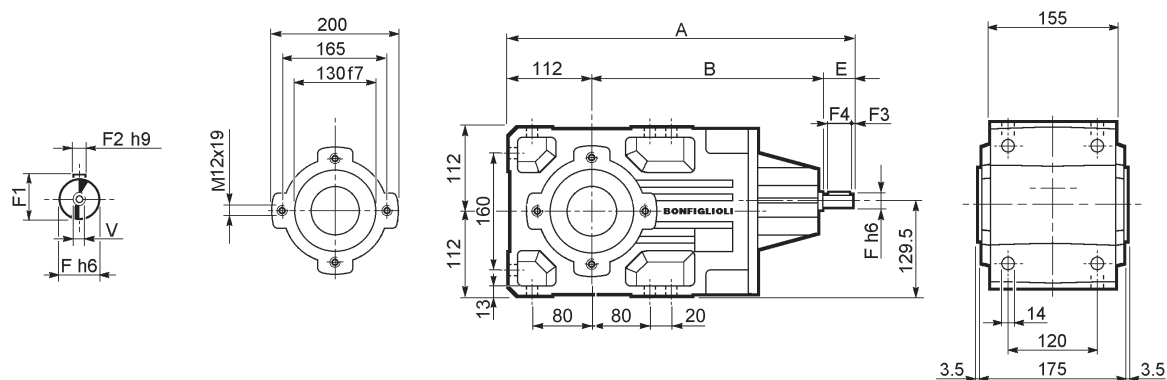


A 41...P(IEC)



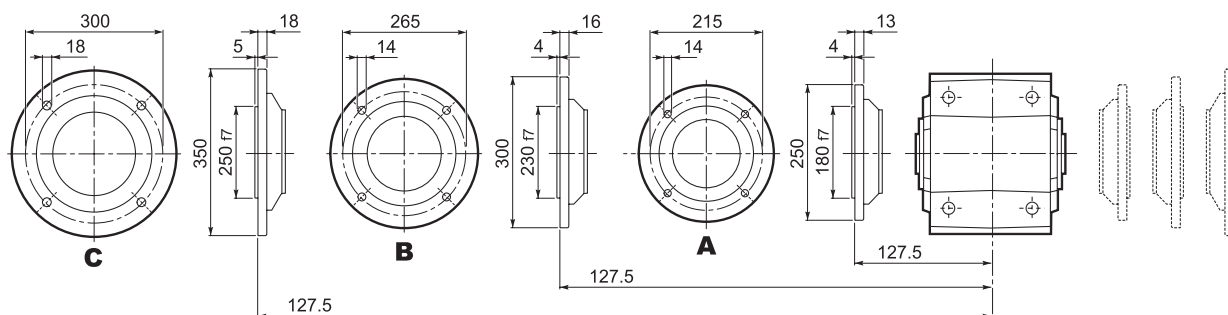
		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 41 2	P63	232	11	12.8	4	140	115	95	—	M8x19	4	375	37
A 41 2	P71	232	14	16.3	5	160	130	110	—	M8x16	4.5	375	38
A 41 2	P80	248	19	21.8	6	200	165	130	—	M10x14.5	4	394.5	39
A 41 2	P90	248	24	27.3	8	200	165	130	—	M10x14.5	4	394.5	39
A 41 2	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	404.5	43
A 41 2	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	404.5	43
A 41 2	P132	—	38	41.3	10	300	265	230	16	14	5	441	46
A 41 3	P63	—	11	12.8	4	140	115	95	—	M8x19	4	436.5	39
A 41 3	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	436.5	39
A 41 3	P80	—	19	21.8	6	200	165	130	—	M10x14.5	4	456	40
A 41 3	P90	—	24	27.3	8	200	165	130	—	M10x14.5	4	456	40
A 41 3	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	466	44
A 41 3	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	466	44

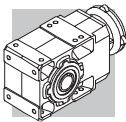
A 41...HS



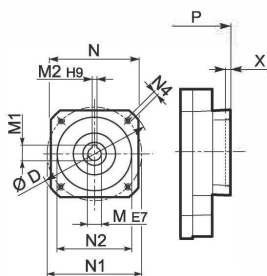
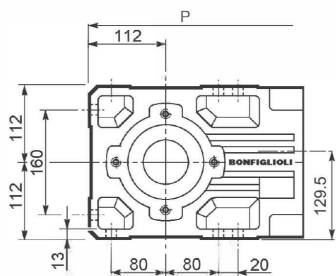
		A	B	E	F	F1	F2	F3	F4	V	Kg
A 41 2	HS	464	302.5	50	24	27	8	2.5	45	M8x19	40.7
A 41 3	HS	486.5	334.5	40	19	21.5	6	2.5	35	M6x16	39.5

A 41...F...

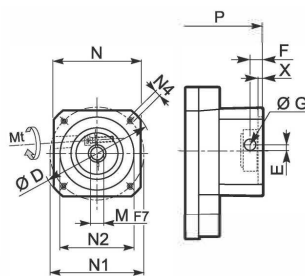




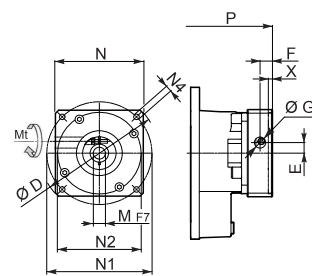
A 41...SK / SC / S



SK...















SC...









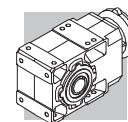
S...

		D	M	M1	M2	N	N1	N2	N4	X	P		Kg
											2x	3x	
A41 3	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	—	408	40
A41 3	SK60B	102	14	16.3	5	82	75	60	M5x10	4	—	415	40
A41 3	SK80A	115	14	16.3	5	90	100	80	M6x12	4	—	415	40
A41 2	SK80B	120	14	16.3	5	96	100	80	M6x12	4	394.5	—	39
A41 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	394.5	456	39/40
A41 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	394.5	456	39/40
A41 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	394.5	456	39/41
A41 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	394.5	456	39/44
A41 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	394.5	456	39/44
A41 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	394.5	456	39/44
A41 2	SK130A	188	24	27.3	8	142	165	130	M10x20	5	394.5	—	41
A41 2	SK130B	189	32	35.3	10	160	165	130	M10x20	5	441	—	43
A41 2	SK180A	240	32	35.3	10	192	215	180	M12x19	5	441	—	43
A41 2	SK180B	240	38	41.3	10	192	215	180	M12x19	5	441	—	43

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		
														2x 	3x 	
A41 3	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	—	435	41
A41 3	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	—	435	41
A41 3	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	—	435	41
A41 2	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	418	—	40
A41 2/3	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	418	479.5	40/41
A41 2/3	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	418	479.5	40/42
A41 2/3	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	418	479.5	40/42
A41 2/3	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	418	479.5	40/43
A41 2/3	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	418	479.5	41/47
A41 2/3	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	418	479.5	41/47
A41 2	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	418	—	42
A41 2	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	464	—	46
A41 2	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	468	—	46
A41 2	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	468	—	46

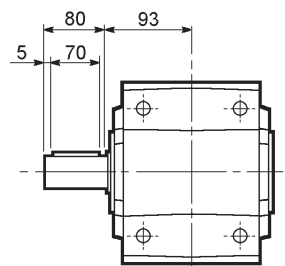
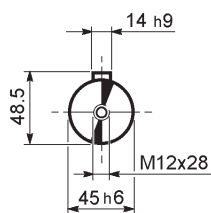
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		
														2x 	3x 	
A 41 2	S19F80A2	M6	11	165	17	19.5	17.75	19	140	100	80	M6x15	5	466.5	—	44
A 41 2	S19F95A1	M6	11	165	17	19.5	17.75	19	140	115	95	M8x20	6.5	466.5	—	44
A 41 2	S24F110A1	M6	14	165	17	19.5	17.75	24	140	130	110	M8x20	5	466.5	—	44
A 41 2	S24F130A	M6	14	190	17	19.5	17.75	24	140	165	130	M10x20	6.5	466.5	—	44
A 41 2	S24F95A1	M6	14	165	17	19.5	17.75	24	140	115	95	M8x20	6.5	466.5	—	44
A 41 2	S28F130A	M8	20	190	17	19.5	17.75	28	140	165	130	M10x20	6.5	466.5	—	44
A 41 2	S28F180A	M8	20	250	21.5	29.5	17.75	28	190	215	180	M14x25	6.5	476.5	—	44
A 41 2	S32F130A	M8	20	190	17	19.5	17.75	32	140	165	130	M10x20	6.5	466.5	—	44
A 41 2	S32F180A	M8	20	250	21.5	29.5	17.75	32	190	215	180	M14x25	6.5	476.5	—	44
A 41 2	S38F180A1	M8	25	250	29.5	44.5	17.75	38	190	215	180	M14x25	6.5	496.5	—	44

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		
														2x 	3x 	
A 41 3	S11F60A2	M6	11	135	16.3	15.5	13.75	11	100	75	60	M5x14	6.5	—	481.5	43
A 41 3	S14F60A2	M6	11	135	15.5	16.3	13.75	14	100	75	60	M5x14	6.5	—	481.5	43
A 41 3	S14F80A1	M6	11	135	15.5	16.3	13.75	14	100	100	80	M6x16	6.5	—	481.5	43
A 41 3	S19F80A1	M6	11	135	15.5	16.3	13.75	19	100	100	80	M6x16	6.5	—	481.5	43
A 41 3	S16F80A1	M6	11	135	15.5	16.3	17.75	14	100	100	80	M6x16	6.5	—	481.5	43
A 41 3	S19F70B1	M6	11	135	15.5	16.3	17.75	16	100	90	70	M5x12	6.5	—	481.5	43
A 41 3	S19F95A	M6	11	135	15.5	16.3	17.75	19	100	115	95	M8x18	6.5	—	481.5	43
A 41 3	S24F110A	M6	14	155	15.5	16.3	17.75	19	115	130	110	M8x18	6.5	—	481.5	43
A 41 3	S24F95A	M6	14	135	15.5	16.3	17.75	24	100	115	95	M8x18	6.5	—	481.5	43

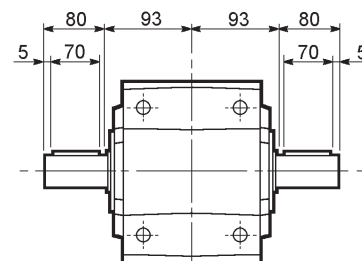
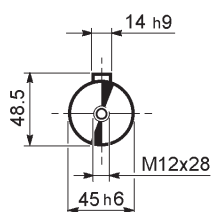


A 41

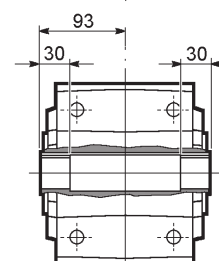
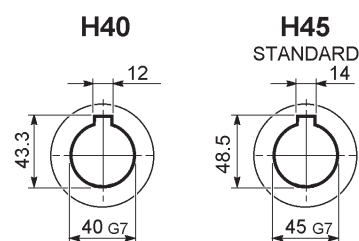
A 41...UR



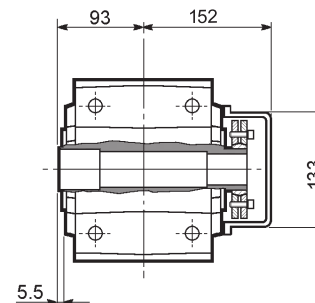
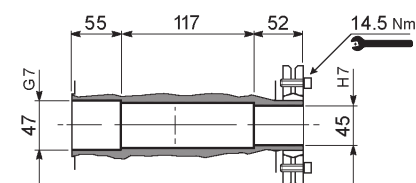
A 41...UD



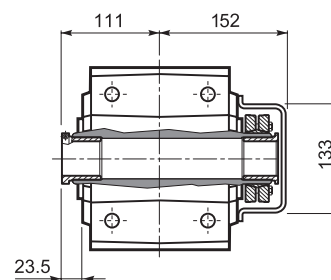
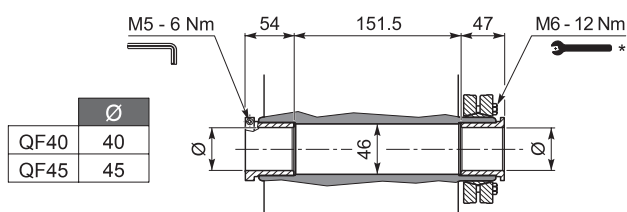
A 41...UH



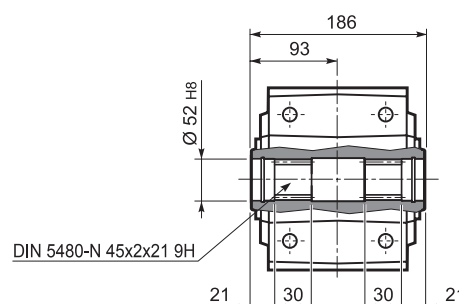
A 41...US



A 41...QF



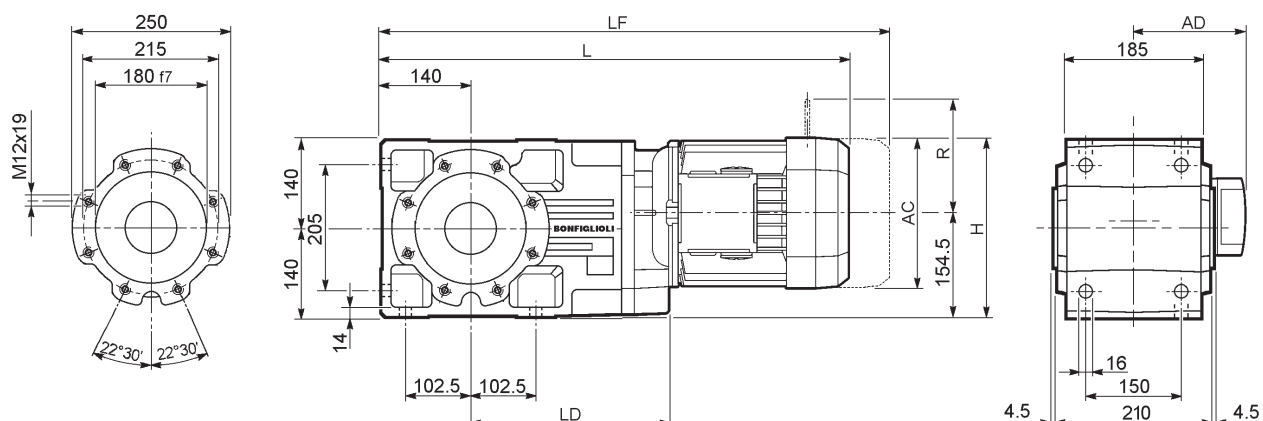
A 41...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



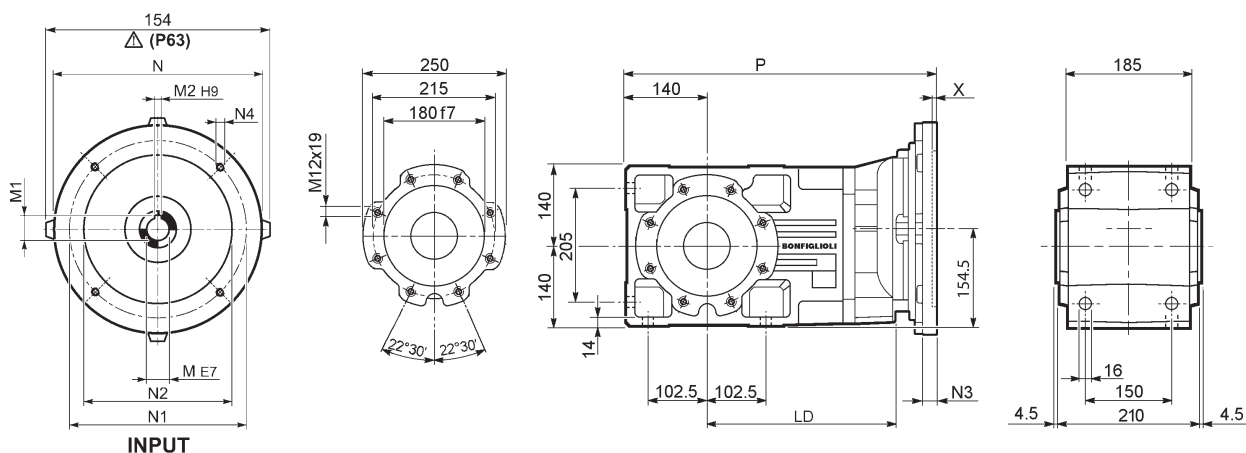
A 50...M/ME/MX/MXN



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 50 2/3	S1	M1		138	223	609.5	—	108	66	670.5	69	103	135	124	108
A 50 2/3	S1	ME1		138	223	609.5	—	108	66	670.5	69	103	135	124	135
A 50 2/3	S2	ME2S		156	232	638.5	284.5	119	68	708.5	72.1	129	143	134	143
A 50 2/3	S2	MX2S		156	232	682.5	284.5	119	73.1	754.5	79.3	129	143	134	143
A 50 2/3	S3	ME3S		195	251.5	681.5	299.5	142	74.5	777.5	81.4	160	155	160	155
A 50 2/3	S3	MX3S		195	251.5	713.5	299.5	142	77.5	803.5	86.4	160	155	160	155
A 50 2/3	S3	ME3L		195	251.5	713.5	299.5	142	81	804.5	87.9	160	155	160	155
A 50 2/3	S3	MX3L		195	251.5	757.5	299.5	142	87	849.5	95.4	160	155	160	155
A 50 2/3	S4	ME4	MX4	258	283	821.5	284.5	193	115	930.5	128	204	210	200	210
A 50 2/3	S4	ME4LB	MX4LA	258	283	856.5	284.5	193	123	955.5	139.4	226	210	217	210
A 50 2/3	S5	ME5S	MX5S	310	309	908	—	245	143	1048.5	184.4	266	245	247	245
A 50 2/3	S5	ME5L	MX5L	310	309	952	—	245	159	1092.5	210.4	266	245	247	245
A 50 4	S1	M1		138	223	681	—	108	67	742	70	103	135	124	108
A 50 4	S1	ME1		138	223	681	—	108	67	742	70	103	135	124	135
A 50 4	S10	MXN10		138	223	710	—	137	69.4	769	71.8	103	138	121	138
A 50 4	S2	ME2S		156	232	710	—	119	71	780	73.1	129	143	134	143
A 50 4	S2	MX2S		156	232	754	—	119	76.1	826	80.3	129	143	134	143
A 50 4	S3	ME3S		195	251.5	753	—	142	77.5	849	83.5	160	155	160	155
A 50 4	S3	MX3S		195	251.5	785	—	142	80.5	875	87.4	160	155	160	155
A 50 4	S3	ME3L		195	251.5	785	—	142	83	876	89	160	155	160	155
A 50 4	S3	MX3L		195	251.5	829	—	142	89	921	96.4	160	155	160	155

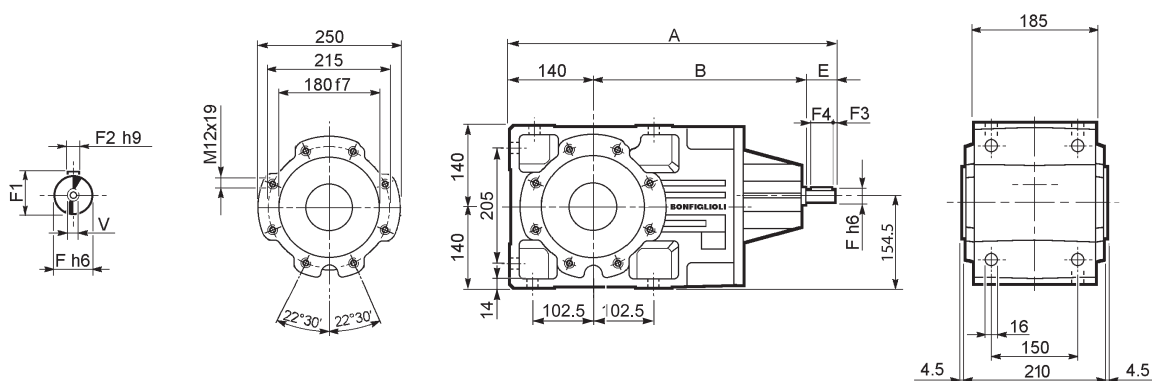


A 50...P(IEC)



		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 50 2/3	P63	284.5	11	12.8	4	140	115	95	—	M8x19	4	454.5	60
A 50 2/3	P71	284.5	14	16.3	5	160	130	110	—	M8x16	4.5	454.5	60
A 50 2/3	P80	299.5	19	21.8	6	200	165	130	—	M10x14.5	4	474	61
A 50 2/3	P90	299.5	24	27.3	8	200	165	130	—	M10x14.5	4	474	61
A 50 2/3	P100	284.5	28	31.3	8	250	215	180	—	M12x16	4.5	484	65
A 50 2/3	P112	284.5	28	31.3	8	250	215	180	—	M12x16	4.5	484	65
A 50 2/3	P132	284.5	38	41.3	10	300	265	230	16	14	5	520.5	68
A 50 2/3	P160	—	42	45.3	12	350	300	250	23	18	5.5	571	72
A 50 2/3	P180	—	48	51.8	14	350	300	250	23	18	5.5	571	72
A 50 4	P63	—	11	12.8	4	140	115	95	—	M8x19	4	526	62
A 50 4	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	526	62
A 50 4	P80	—	19	21.8	6	200	165	130	—	M10x14.5	4	545.5	63
A 50 4	P90	—	24	27.3	8	200	165	130	—	M10x14.5	4	545.5	63
A 50 4	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	555.5	67
A 50 4	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	555.5	67

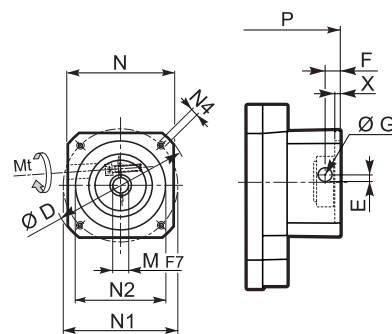
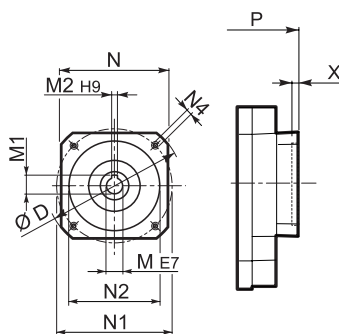
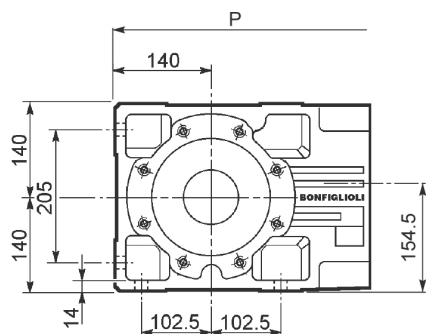
A 50...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 50 2	HS	543.5	353.5	50	24	27	8	2.5	45	M8x19	72
A 50 3		543.5	353.5	50	24	27	8	2.5	45	M8x19	76
A 50 4		576	396	40	19	21.5	6	2.5	35	M6x16	77



A 50...SK / SC



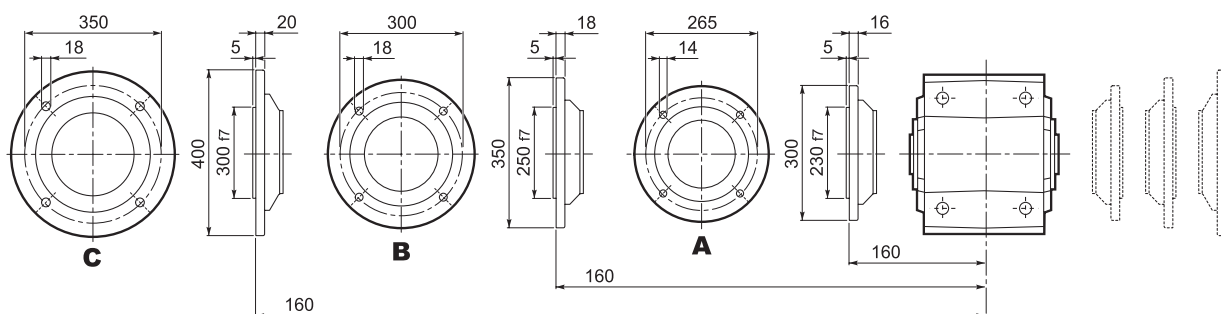
SK...

SC...

		D	M	M1	M2	N	N1	N2	N4	X	P		Kg
											2/3x	4x	
A 50 2/3	SK80B	120	14	16.3	5	96	100	80	M6x12	4	474	—	61/61
A 50 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	474	545.5	61/61/63
A 50 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	474	545.5	61/61/65
A 50 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	474	575	61/61/65
A 50 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	474	575	63/63/66
A 50 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	520.5	—	69/69
A 50 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	520.5	—	69/69
A 50 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	520.5	—	69/69

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		Kg
													2/3x	3x	
A 50 2/3	SC80B	M6 15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	497.5	—	62/62
A 50 2/3/4	SC80C	M6 15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	497.5	569	62/62/64
A 50 2/3/4	SC95A	M6 15	130	16.5	15	17.75	14	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	SC95B	M6 15	130	16.5	15	17.75	19	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	SC95C	M6 15	130	16.5	15	17.75	24	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	SC110A	M6 15	150	16.5	16	17.75	19	120	130	110	M8x16	5	497.5	569	63/63/66
A 50 2/3/4	SC110B	M6 15	150	16.5	16	17.75	24	120	130	110	M8x16	5	497.5	569	63/63/66
A 50 2/3/4	SC130A	M6 15	188	19	16	17.75	24	142	165	130	M10x20	5	497.5	569	64/64/67
A 50 2/3	SC130B	M8 36	189	20	17	17.75	32	160	165	130	M10x20	5	543.5	—	68/68
A 50 2/3	SC180A	M8 36	240	20	17.5	17.75	32	192	215	180	M12x24	5	547.5	—	68/68
A 50 2/3	SC180B	M8 36	240	20	17.5	17.75	38	192	215	180	M12x24	5	547.5	—	68/68

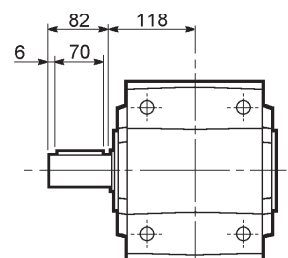
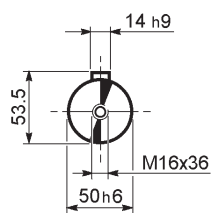
A 50...F...



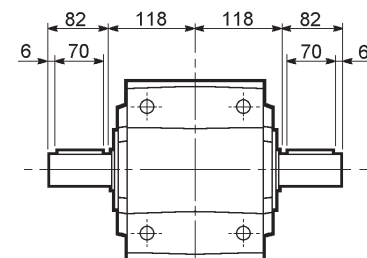
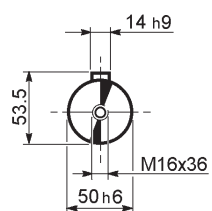


A 50

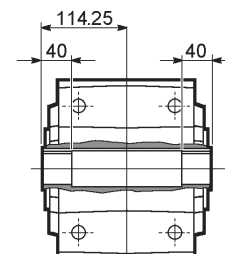
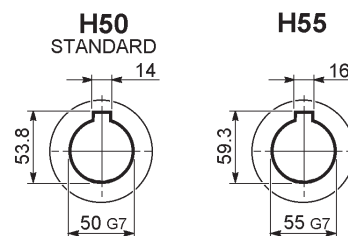
A 50...UR



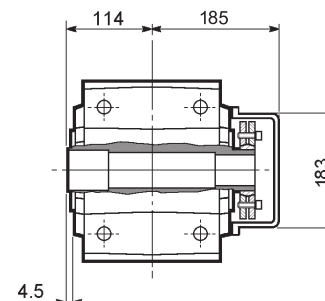
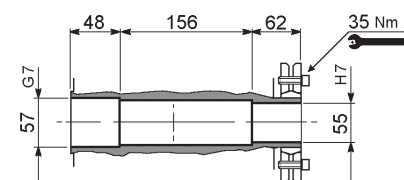
A 50...UD



A 50...UH

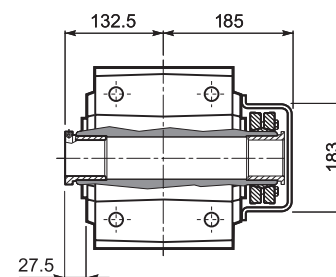
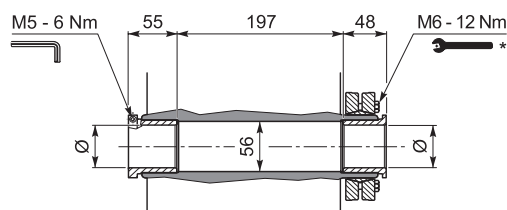


A 50...US

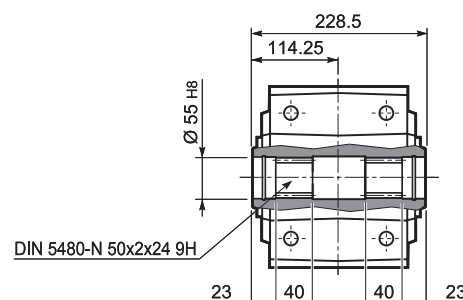


A 50...QF

	Ø
QF50	50
QF55	55



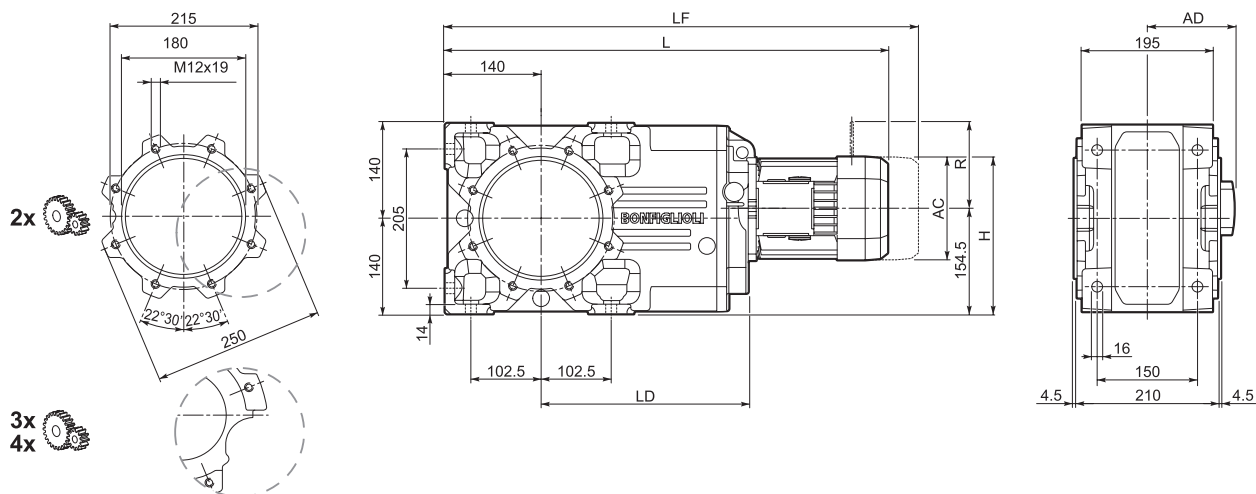
A 50...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



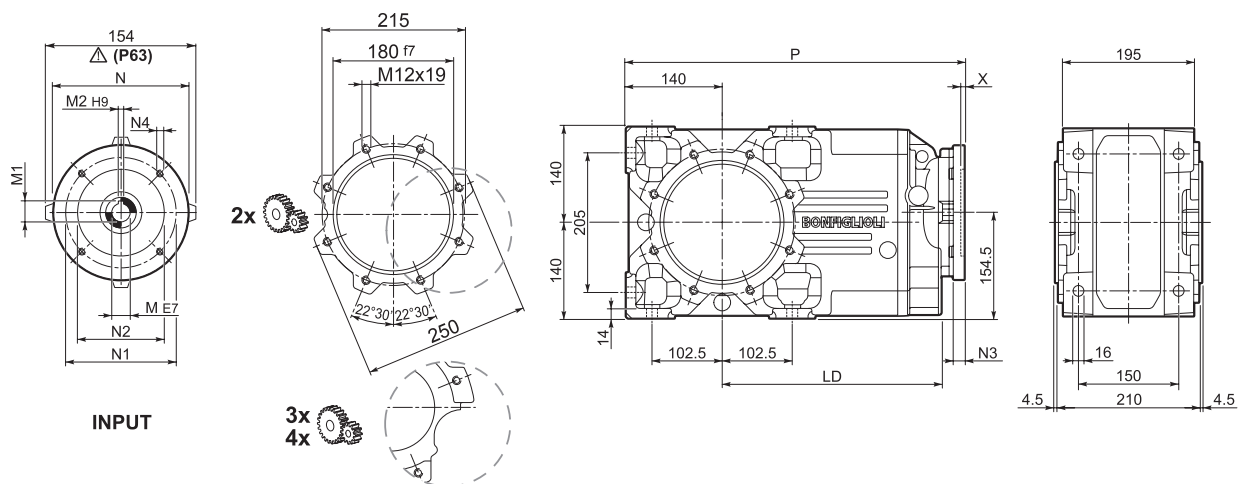
A 55...M/ME/MX/MXN



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 55 3	S1	M1		138	198.5	627.5	—	108	81	688.5	84	103	135	124	108
A 55 3	S1	ME1		138	198.5	627.5	—	108	81	688.5	84	103	135	124	135
A 55 2/3	S2	ME2S		156	232	656.5	302.5	119	88	726.5	89.6	129	143	134	143
A 55 2/3	S2	MX2S		156	232	700.5	302.5	119	93.1	787.5	96.9	129	143	134	143
A 55 2/3	S3	ME3S		195	251	699.5	317.5	142	94.5	795.5	100.5	160	155	160	155
A 55 2/3	S3	MX3S		195	251	731.5	317.5	142	97.5	823.5	104.5	160	155	160	155
A 55 2/3	S3	ME3L		195	251	731.5	317.5	142	101	822.5	107	160	155	160	155
A 55 2/3	S3	MX3L		195	251	775.5	317.5	142	107	867.5	114	160	155	160	155
A 55 2/3	S4	ME4	MX4	258	283	839.5	302.5	193	135	979.5	148	204	210	200	210
A 55 2/3	S4	ME4LB	MX4LA	258	283	874.5	302.5	193	143	973.5	156	226	210	217	210
A 55 2/3	S5	ME5S	MX5S	310	309.5	926	—	245	163	1066.5	275	266	245	247	245
A 55 2/3	S5	ME5L	MX5L	310	309.5	970	—	245	179	1110.5	275	266	245	247	245
A 55 4	S1	M1		138	223	699	—	108	82	760	85	103	135	124	108
A 55 4	S1	ME1		138	223	699	—	108	82	760	85	103	135	124	135
A 55 4	S10	MXN10		138	223	728	—	137	84.4	787	86.8	103	138	121	138
A 55 4	S2	ME2S		156	232	728	—	119	86	798	88.1	129	143	134	143
A 55 4	S2	MX2S		156	232	772	—	119	91.1	859	95.3	129	143	134	143
A 55 4	S3	ME3S		195	251.5	771	—	142	92.5	867	98.5	160	155	160	155
A 55 4	S3	MX3S		195	251.5	803	—	142	95.5	893	102.5	160	155	160	155
A 55 4	S3	ME3L		195	251.5	803	—	142	98	894	104	160	155	160	155
A 55 4	S3	MX3L		195	251.5	847	—	142	104	939	111.4	160	155	160	155

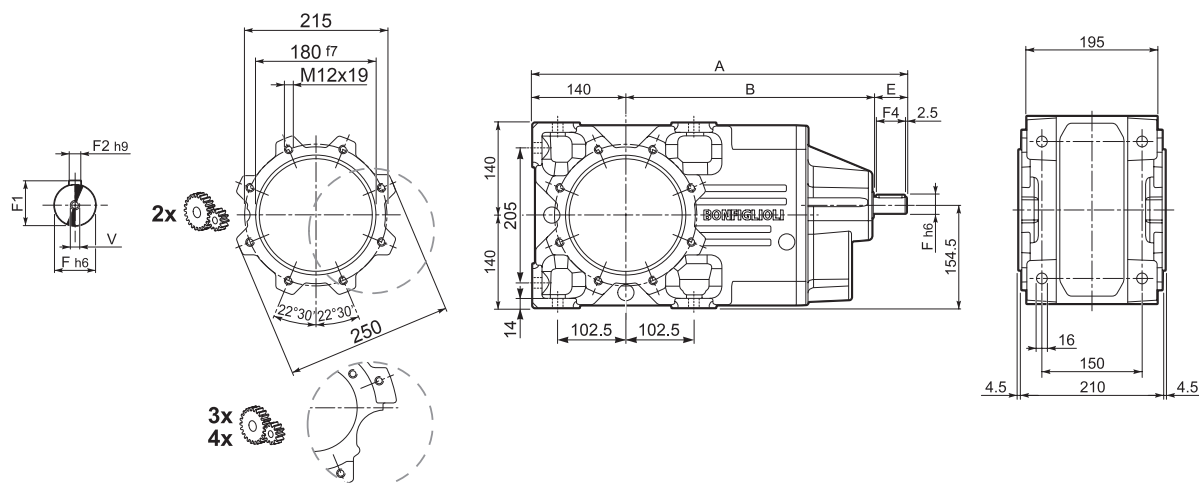


A 55...P(IEC)

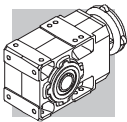


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 55 3	P63	302.5	11	12.8	4	140	115	95	—	M8x19	4	472.5	75
A 55 3	P71	302.5	14	16.3	5	160	130	110	—	M8x16	4.5	472.5	75
A 55 2/3	P80	317.5	19	21.8	6	200	165	130	—	M10x14.5	4	492	81
A 55 2/3	P90	317.5	24	27.3	8	200	165	130	—	M10x14.5	4	492	81
A 55 2/3	P100	302.5	28	31.3	8	250	215	180	—	M12x16	4.5	502	85
A 55 2/3	P112	302.5	28	31.3	8	250	215	180	—	M12x16	4.5	502	85
A 55 2/3	P132	302.5	38	41.3	10	300	265	230	16	14	5	538.5	93
A 55 2/3	P160	—	42	45.3	12	350	300	250	23	18	5.5	589	110
A 55 2/3	P180	—	48	51.8	14	350	300	250	23	18	5.5	589	110
A 55 4	P63	—	11	12.8	4	140	115	95	—	M8x19	4	544	77
A 55 4	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	544	77
A 55 4	P80	—	19	21.8	6	200	165	130	—	M10x14.5	4	563.5	78
A 55 4	P90	—	24	27.3	8	200	165	130	—	M10x14.5	4	563.5	78
A 55 4	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	573.5	82
A 55 4	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	573.5	82

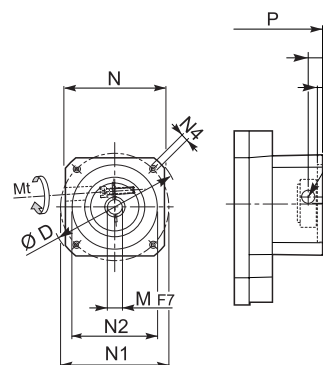
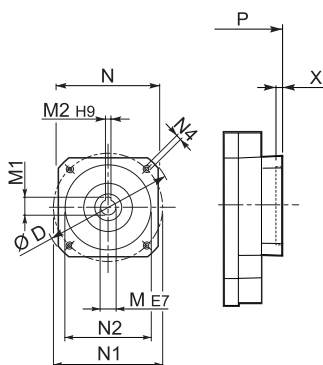
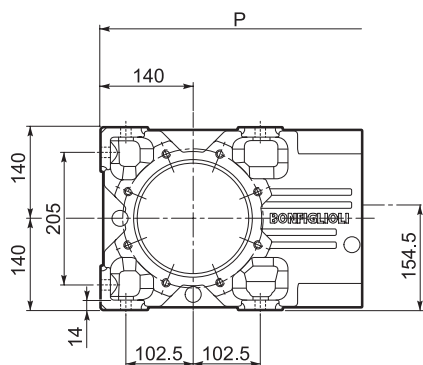
A 55...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 55 2	HS	561.5	371.5	50	24	27	8	2.5	45	M8x19	96
A 55 3		561.5	371.5	50	24	27	8	2.5	45	M8x19	91
A 55 4		594	414	40	19	21.5	6	2.5	35	M6x16	92



A 55...SK / SC



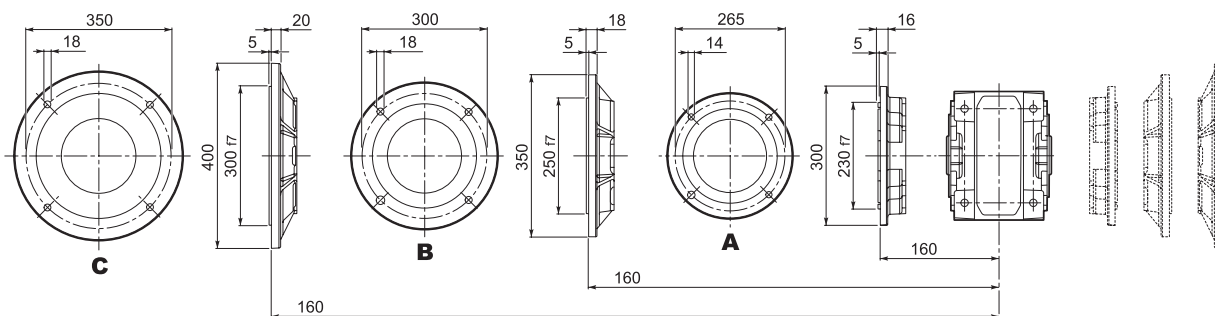
SK...

SC...

		D	M	M1	M2	N	N1	N2	N4	X	P		Kg
											2/3x	4x	
A 55 3	SK80B	120	14	16.3	5	96	100	80	M6x12	4	492	—	81
A 55 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	492	563.5	81/81/77
A 55 3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	492	593	81/81/78
A 55 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	492	593	81/81/78
A 55 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	492	593	83/83/79
A 55 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	538.5	—	90/90
A 55 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	538.5	—	90/90
A 55 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	538.5	—	90/90

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P		Kg
													2/3x	3x	
A 55 3	SC80B	M6 15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	515.5	—	82
A 55 2/3/4	SC80C	M6 15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	515.5	587	82/82/78
A 55 3/4	SC95A	M6 15	130	16.5	15	17.75	14	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	SC95B	M6 15	130	16.5	15	17.75	19	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	SC95C	M6 15	130	16.5	15	17.75	24	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	SC110A	M6 15	150	16.5	16	17.75	19	120	130	110	M8x16	5	515.5	587	83/83/79
A 55 2/3/4	SC110B	M6 15	150	16.5	16	17.75	24	120	130	110	M8x16	5	515.5	587	83/83/79
A 55 2/3/4	SC130A	M6 15	188	19	16	17.75	24	142	165	130	M10x20	5	515.5	587	84/84/80
A 55 2/3	SC130B	M8 36	189	20	17	17.75	32	160	165	130	M10x20	5	561.5	—	93/93
A 55 2/3	SC180A	M8 36	240	20	17.5	17.75	32	192	215	180	M12x24	5	565.5	—	93/93
A 55 2/3	SC180B	M8 36	240	20	17.5	17.75	38	192	215	180	M12x24	5	565.5	—	93/93

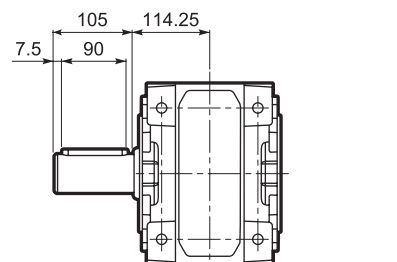
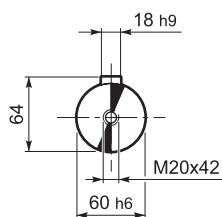
A 55...F...



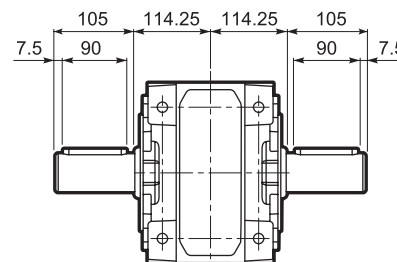
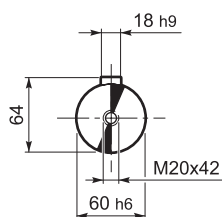


A 55

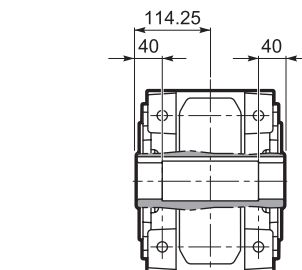
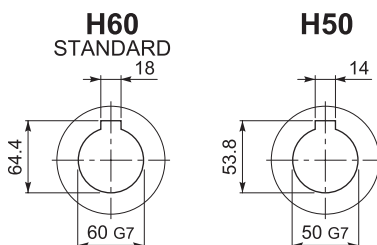
A 55...UR



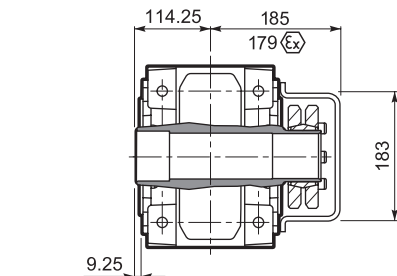
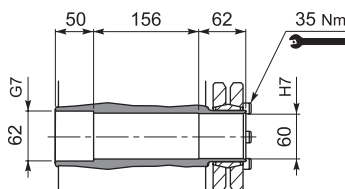
A 55...UD



A 55...UH



A 55...US

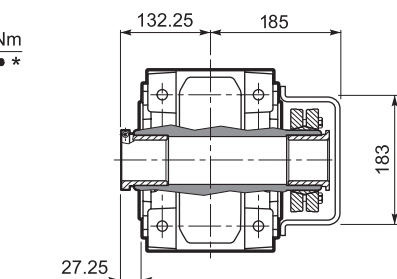
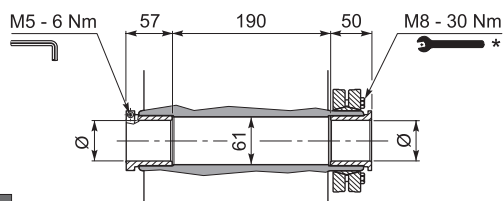


A 55...QF

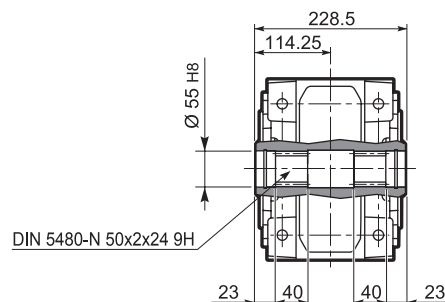
	Ø
QF55	55
QF60	60



	M _{n2} max [Nm]
A 55 QF55	1900



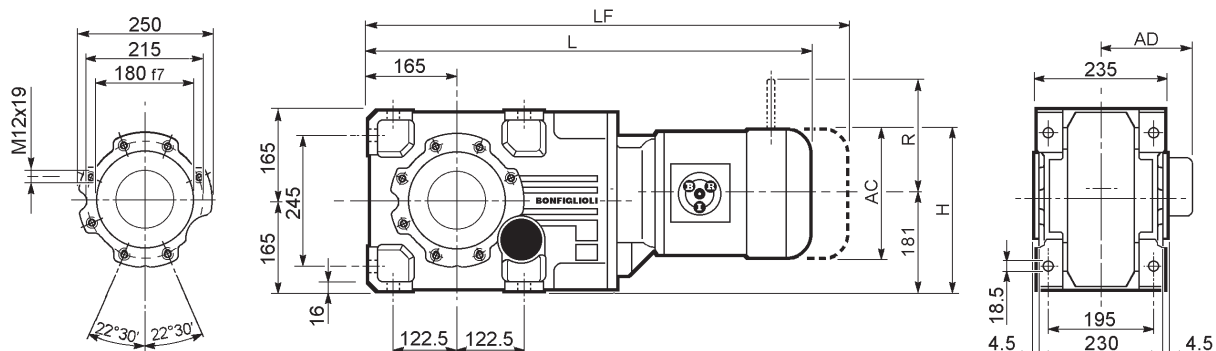
A 55...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



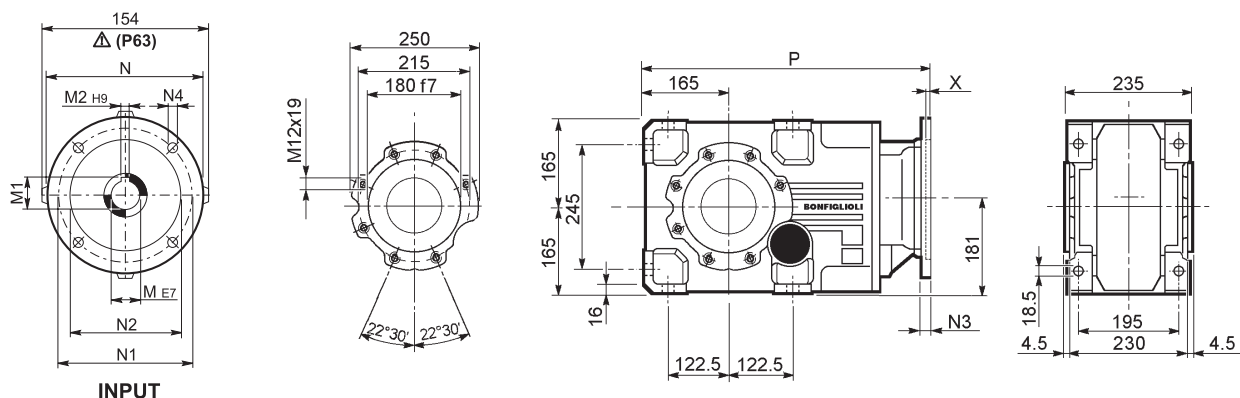
A 60...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg		LF	Kg	R	AD	R	AD
A 60 2/3	S2	ME2S		156	256.5	700.5	119	98		770.5	99.6	129	143	134	143
A 60 2/3	S2	MX2S		156	256.5	744.5	119	103.1		816.5	106.9	129	143	134	143
A 60 2/3	S3	ME3S		195	276	743.5	142	103		839.5	109	160	155	160	155
A 60 2/3	S3	MX3S		195	276	775.5	142	106		865.5	113	160	155	160	155
A 60 2/3	S3	ME3L		195	276	775.5	142	111		866.5	117	160	155	160	155
A 60 2/3	S3	MX3L		195	276	819.5	142	117		911.5	124	160	155	160	155
A 60 2/3	S4	ME4	MX4	258	307.5	883.5	193	145		992.5	158	204	210	200	210
A 60 2/3	S4	ME4LB	MX4LA	258	307.5	918.5	193	153		1017.5	169	226	210	217	210
A 60 2/3	S5	ME5S	MX5S	310	333.5	970	245	173		1110.5	224.5	266	245	247	245
A 60 2/3	S5	ME5L	MX5L	310	333.5	1014	245	189		1154.5	235.5	266	245	247	245
A 60 4	S1	M1		138	247.5	742	108	100		803	103	103	135	124	108
A 60 4	S1	ME1		138	247.5	742	108	100		803	103	103	135	124	135
A 60 4	S2	ME2S		156	256.5	771	119	104		841	107.5	129	143	134	143
A 60 4	S2	MX2S		156	256.5	815	119	109.1		887	114.7	129	143	134	143
A 60 4	S3	ME3S		195	276	814	142	109		910	116.8	160	155	160	155
A 60 4	S3	MX3S		195	276	846	142	112		936	121.8	160	155	160	155
A 60 4	S3	ME3L		195	276	846	142	117		937	123.3	160	155	160	155
A 60 4	S3	MX3L		195	276	890	142	123		982	130.8	160	155	160	155

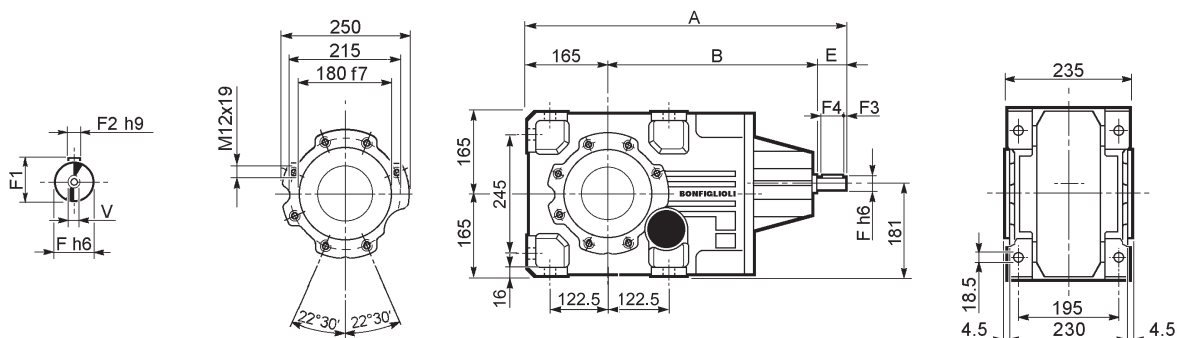


A 60...P(IEC)



		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 60 3	P63	11	12.8	4	140	115	95	—	M8x19	4	516.5	90
A 60 3	P71	14	16.3	5	160	130	110	—	M8x16	4.5	516.5	90
A 60 2/3	P80	19	21.8	6	200	165	130	—	M10x14.5	4	536	91
A 60 2/3	P90	24	27.3	8	200	165	130	—	M10x14.5	4	536	91
A 60 2/3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	546	95
A 60 2/3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	546	95
A 60 2/3	P132	38	41.3	10	300	265	230	16	14	5	582.5	104
A 60 2/3	P160	42	45.3	12	350	300	250	23	18	5.5	633	121
A 60 2/3	P180	48	51.8	14	350	300	250	23	18	5.5	633	121
A 60 4	P63	11	12.8	4	140	115	95	—	M8x19	4	587	88
A 60 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	587	88
A 60 4	P80	19	21.8	6	200	165	130	—	M10x14.5	4	606.5	90
A 60 4	P90	24	27.3	8	200	165	130	—	M10x14.5	4	606.5	90
A 60 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	616.5	94
A 60 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	616.5	94

A 60...HS

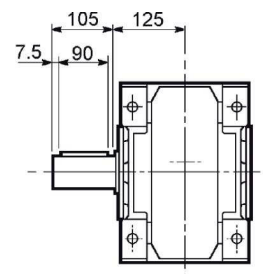
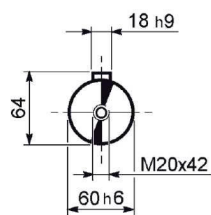


		A	B	E	F	F1	F2	F3	F4	V	Kg
A 60 2	HS	633	408	60	28	31	8	5.0	50	M10x22	106
A 60 3		633	408	60	28	31	8	5.0	50	M10x22	106
A 60 4		676	461	50	24	27	8	2.5	45	M8x19	112

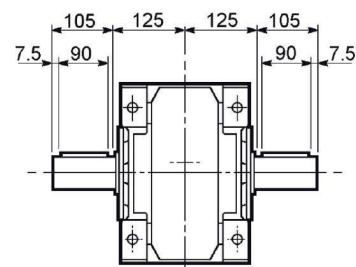
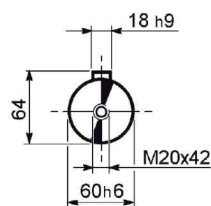


A 60

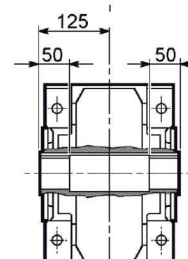
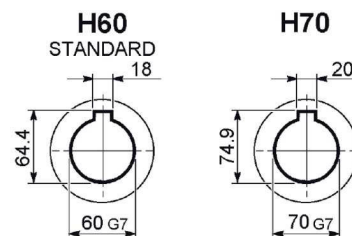
A 60...UR



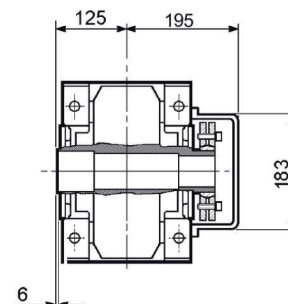
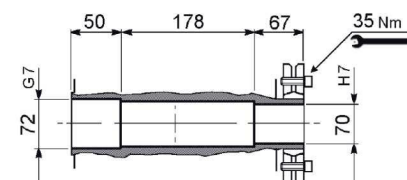
A 60...UD



A 60...UH

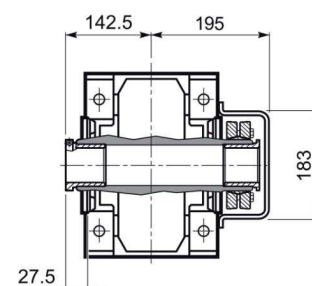
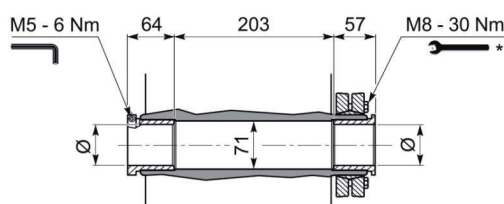


A 60...US

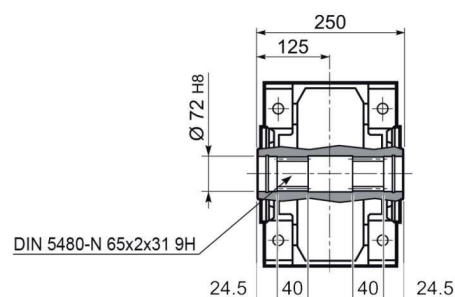


A 60...QF

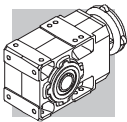
	Ø
QF60	60
QF65	65
QF70	70



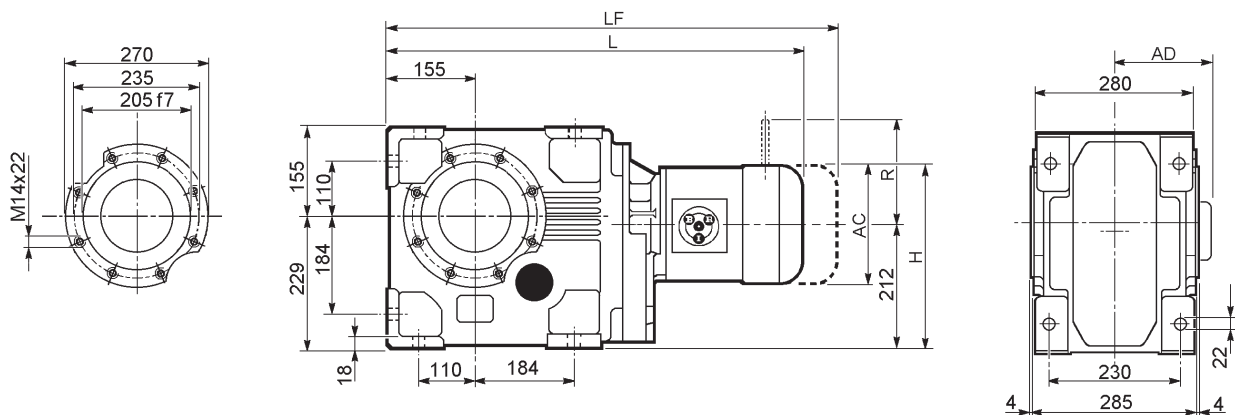
A 60...UV



* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



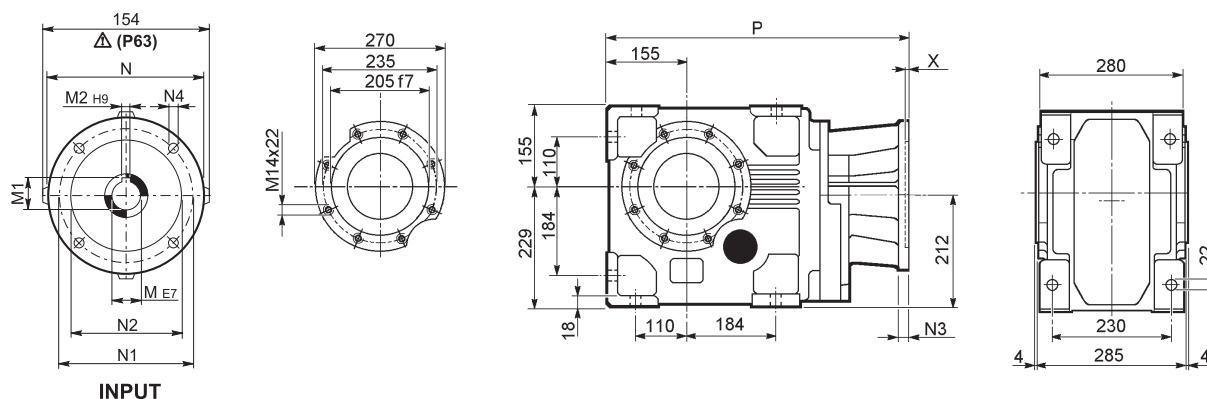
A 70...M/ME/MX



					AC	H	L	AD	Kg	M...FD M...FA	Lf	Kg	M...FD		M...FA	
													R	AD	R	AD
A 70 3	S2	ME2S			156	290	688.5	119	152	758.5	155.9		129	143	134	143
A 70 3	S2	MX2S			156	290	732.5	119	157.1	804.5	163.1		129	143	134	143
A 70 3	S3	ME3S			195	309.5	731.5	142	158.5	827.5	165.2		160	155	160	155
A 70 3	S3	MX3S			195	309.5	763.5	142	161.5	853.5	170.2		160	155	160	155
A 70 3	S3	ME3L			195	309.5	763.5	142	164	854.5	171.7		160	155	160	155
A 70 3	S3	MX3L			195	309.5	807.5	142	170	899.5	179.2		160	155	160	155
A 70 3	S4	ME4	MX4		258	341	872.5	193	198	1012.5	211		204	210	200	210
A 70 3	S4	ME4LB	MX4LA		258	341	907.5	193	206	1006.5	223.2		226	210	217	210
A 70 3	S5	ME5S	MX5S		310	367	958	245	226	1098.5	283.2		266	245	247	245
A 70 3	S5	ME5L	MX5L		310	367	1002	245	242	1142.5	294.2		266	245	247	245
A 70 4	S1	M1			138	281	710.5	108	152	771.5	155		103	135	124	108
A 70 4	S1	ME1			138	281	710.5	108	152	771.5	155		103	135	124	135
A 70 4	S2	ME2S			156	290	739.5	119	156	809.5	159.5		129	143	134	143
A 70 4	S2	MX2S			156	290	783.5	119	161.1	855.5	166.7		129	143	134	143
A 70 4	S3	ME3S			195	309.5	782.5	142	162.5	878.5	168.8		160	155	160	155
A 70 4	S3	MX3S			195	309.5	814.5	142	165.5	904.5	173.8		160	155	160	155
A 70 4	S3	ME3L			195	309.5	814.5	142	168	905.5	175.5		160	155	160	155
A 70 4	S3	MX3L			195	309.5	858.5	142	174	950.5	182.8		160	155	160	155
A 70 4	S4	ME4	MX4		258	341	922.5	193	202	1031.5	215		204	210	200	210
A 70 4	S4	ME4LB	MX4LA		258	341	957.5	193	210	1056.5	226.8		226	210	217	210

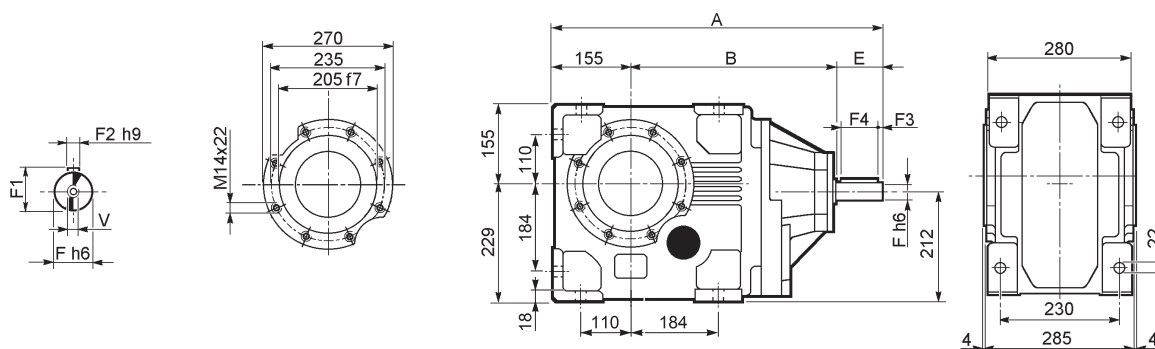


A 70...P (IEC)

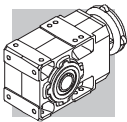


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 70 3	P80	19	21.8	6	200	165	130	—	M10x14.5	4	524	144
A 70 3	P90	24	27.3	8	200	165	130	—	M10x14.5	4	524	144
A 70 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	534	146
A 70 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	534	146
A 70 3	P132	38	41.3	10	300	265	230	16	14	5	570.5	154
A 70 3	P160	42	45.3	12	350	300	250	23	18	6	626	169
A 70 3	P180	48	51.8	14	350	300	250	23	18	6	626	169
A 70 3	P200	55	59.3	16	400	350	300	—	M16x25	7	651	179
A 70 4	P63	11	12.8	4	140	115	95	—	M8x19	4	555.5	146
A 70 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	555.5	146
A 70 4	P80	19	21.8	6	200	165	130	—	M10x14.5	4	575	147
A 70 4	P90	24	27.3	8	200	165	130	—	M10x14.5	4	575	147
A 70 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	585	148
A 70 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	585	148
A 70 4	P132	38	41.3	10	300	265	230	16	14	5	618.5	157

A 70...HS

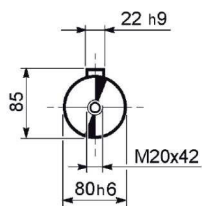


		A	B	E	F	F1	F2	F3	F4	V	Kg
A 70 3	HS	708.5	443.5	110	42	45	12	10	90	M12x28	165
A 70 4	HS	644.5	439.5	50	24	27	8	2.5	45	M8x19	149

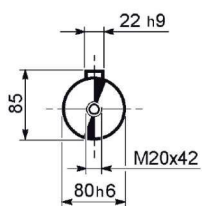


A 70

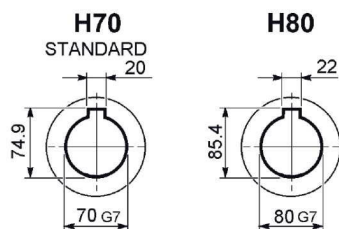
A 70...UR



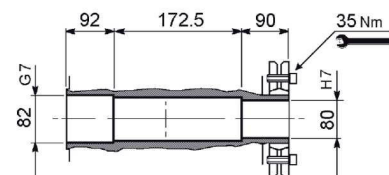
A 70...UD



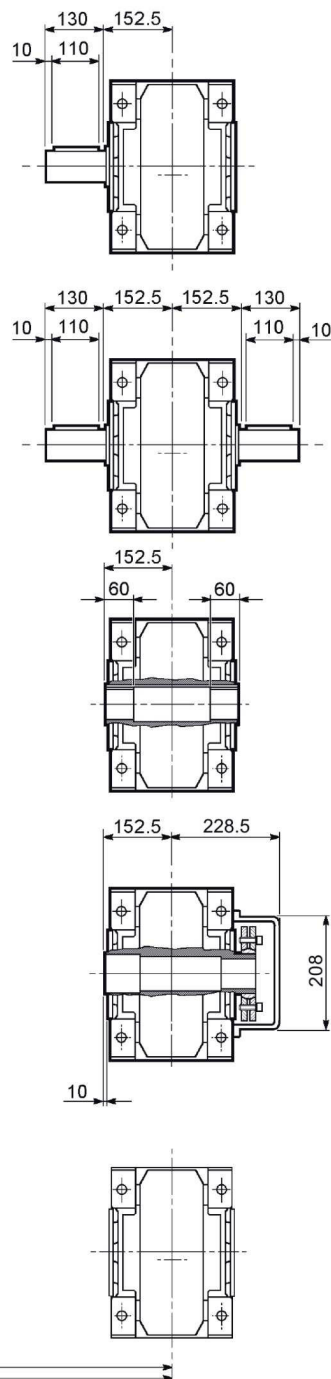
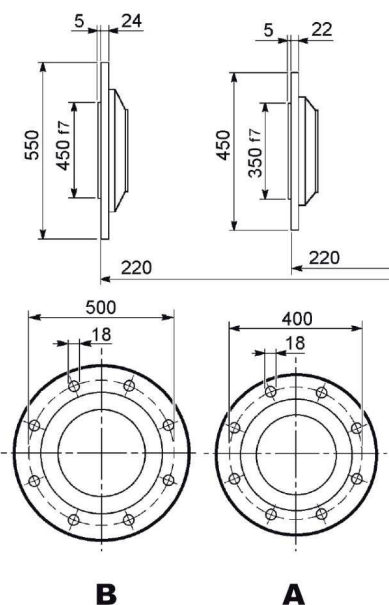
A 70...UH



A 70...US

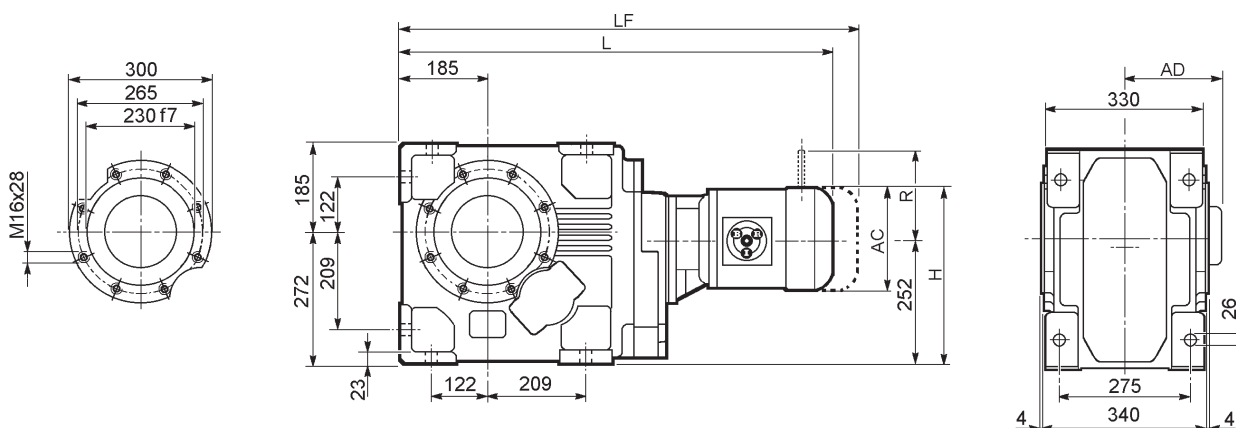







A 70...F...

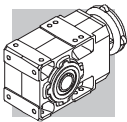




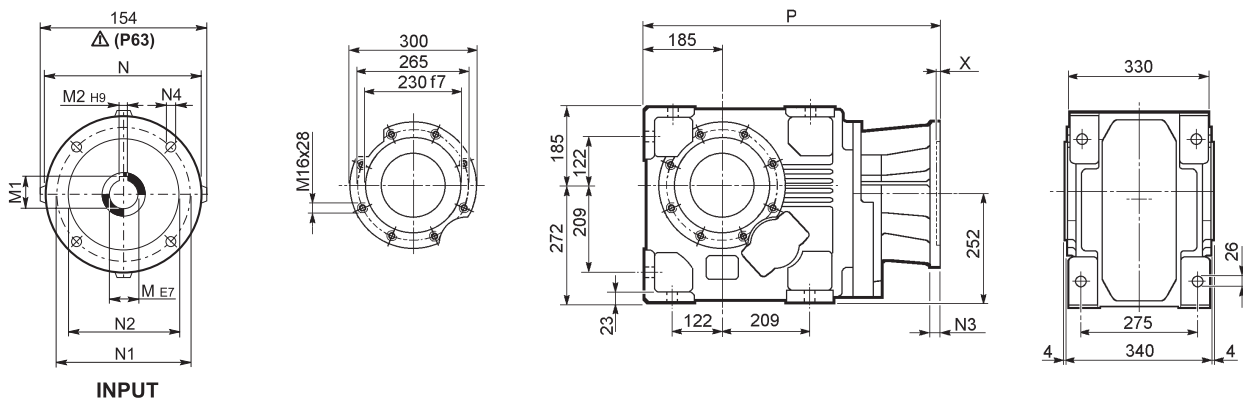
A 80...M/ME/MX



									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	 Kg	LF	 Kg	R	AD	R	AD
A 80 3	S3	ME3S		195	349.5	809.5	142	257.5	905.5	264	160	155	160	155
A 80 3	S3	MX3S		195	349.5	841.5	142	260.5	934.5	269	160	155	160	155
A 80 3	S3	ME3L		195	349.5	841.5	142	264	932.5	270.5	160	155	160	155
A 80 3	S3	MX3L		195	349.5	885.5	142	270	976.5	278	160	155	160	155
A 80 3	S4	ME4	MX4	258	381	949.5	193	298	1058.5	311	204	210	200	210
A 80 3	S4	ME4LB	MX4LA	258	381	984.5	193	306	1083.5	322	226	210	217	210
A 80 3	S5	ME5S	MX5S	310	407	1036	245	326	1176.5	382	266	245	247	245
A 80 3	S5	ME5L	MX5L	310	407	1080	245	342	1220.5	393	266	245	247	245=
A 80 4	S1	M1		138	321	800.5	108	246	861.5	249	103	135	124	108
A 80 4	S1	ME1		138	321	800.5	108	246	851.5	249	103	135	124	135
A 80 4	S2	ME2S		156	330	829.5	119	250	946.5	253.7	129	143	134	143
A 80 4	S2	MX2S		156	330	873.5	119	255.1	992.5	260.9	129	143	134	143
A 80 4	S3	ME3S		195	349.5	872.5	142	256.5	1000.5	263	160	155	160	155
A 80 4	S3	MX3S		195	349.5	904.5	142	259.5	1029.5	268	160	155	160	155
A 80 4	S3	ME3L		195	349.5	904.5	142	262	1027.5	269.5	160	155	160	155
A 80 4	S3	MX3L		195	349.5	948.5	142	268	1071.5	277	160	155	160	155
A 80 4	S4	ME4	MX4	258	381	1012.5	193	296	1144.5	309	204	210	200	210
A 80 4	S4	ME4LB	MX4LA	258	381	1047.5	193	304	1169.5	321	226	210	217	210



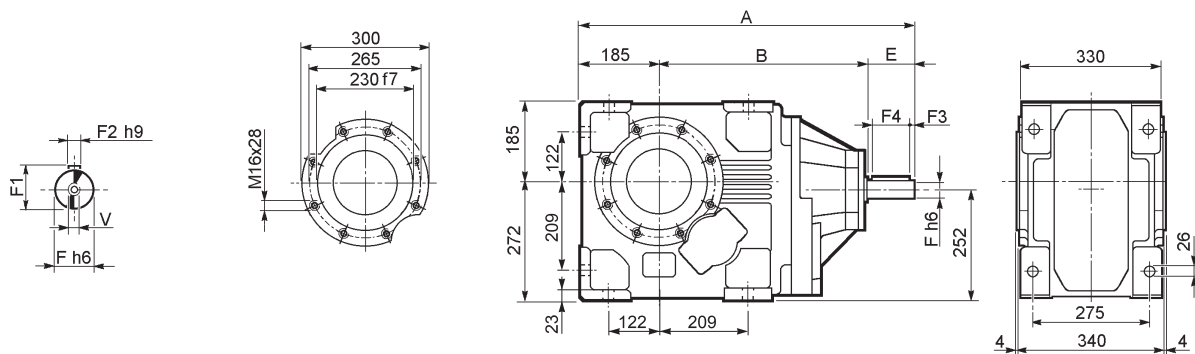
A 80...P(IEC)



INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 80 3	P80	19	21.8	6	200	165	130	—	M10x14.5	4	602	243
A 80 3	P90	24	27.3	8	200	165	130	—	M10x14.5	4	602	243
A 80 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	612	245
A 80 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	612	245
A 80 3	P132	38	41.3	10	300	265	230	16	14	5	648.5	253
A 80 3	P160	42	45.3	12	350	300	250	23	18	6	704	268
A 80 3	P180	48	51.8	14	350	300	250	23	18	6	704	268
A 80 3	P200	55	59.3	16	400	350	300	—	M16x25	7	729	279
A 80 3	P225	60	64.4	18	450	400	350	25	18	6	774.5	298
A 80 4	P63	11	12.8	4	140	115	95	—	M8x19	4	645.5	248
A 80 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	645.5	248
A 80 4	P80	19	21.8	6	200	165	130	—	M10x14.5	4	665	249
A 80 4	P90	24	27.3	8	200	165	130	—	M10x14.5	4	665	249
A 80 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	675	250
A 80 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	675	250
A 80 4	P132	38	41.3	10	300	265	230	16	M12x16	5	711.5	259

A 80...HS

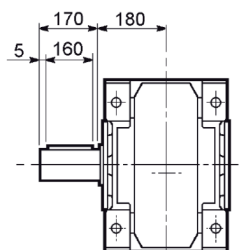
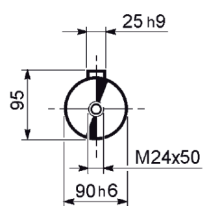


		A	B	E	F	F1	F2	F3	F4	V	kg
A 80 3	HS	786.5	491.5	110	42	45	12	10	90	M12x28	265
A 80 4	HS	735	500	50	24	27	8	2.5	45	M8x19	250

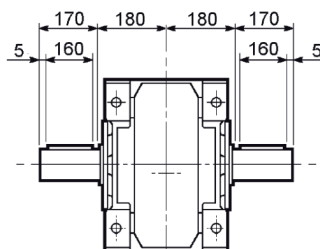
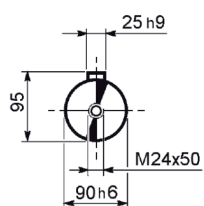


A 80

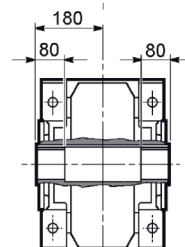
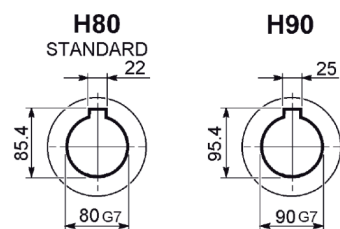
A 80...UR



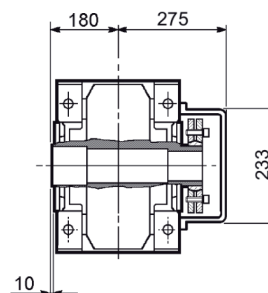
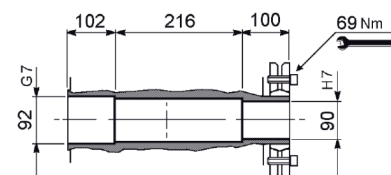
A 80...UD



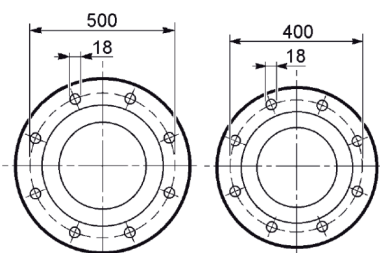
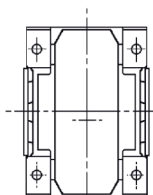
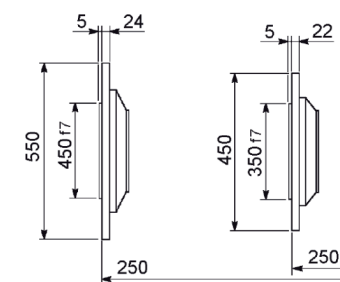
A 80...UH



A 80...US



A 80...F...

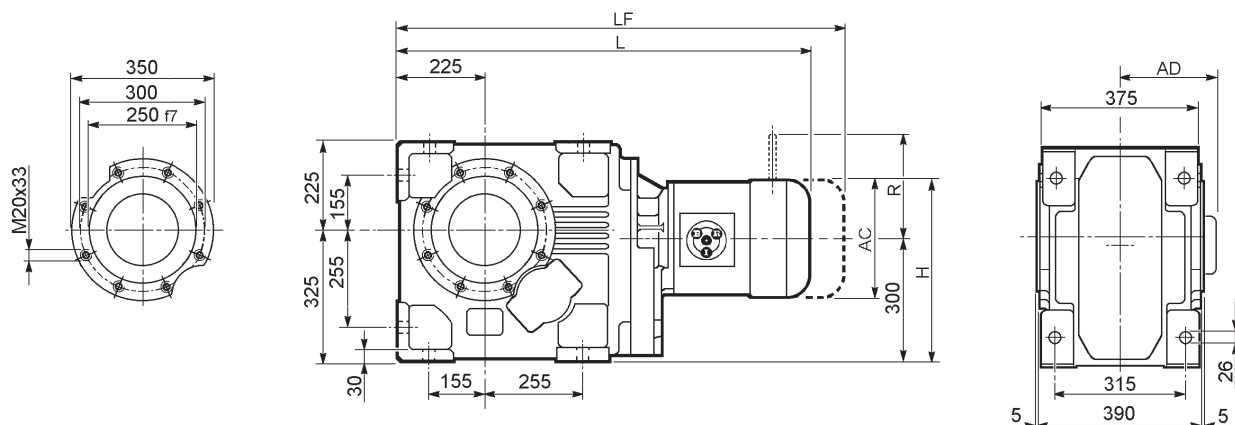







B

A



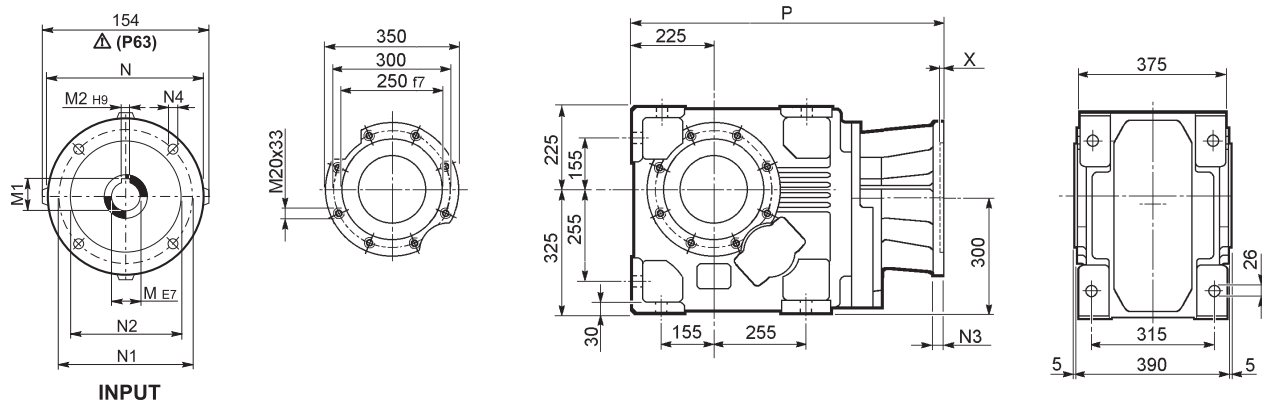
A 90...M/ME/MX



									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	 Kg	LF	 Kg	R	AD	R	AD
A 90 3	S3	ME3S		195	397.5	930.5	142	414.5	1026.5	420.5	160	155	160	155
A 90 3	S3	MX3S		195	397.5	962.5	142	413.5	1055.5	420.5	160	155	160	155
A 90 3	S3	ME3L		195	397.5	962.5	142	420	1053.5	426	160	155	160	155
A 90 3	S3	MX3L		195	397.5	1006.5	142	426	1097.5	433	160	155	160	155
A 90 3	S4	ME4	MX4	258	429	1070.5	193	454	1179.5	467	204	210	200	210
A 90 3	S4	ME4LB	MX4LA	258	429	1105.5	193	462	1204.5	478	226	210	217	210
A 90 3	S5	ME5S	MX5S	310	455	1157	245	482	1297.5	532.5	266	245	247	245
A 90 3	S5	ME5L	MX5L	310	455	1201	245	498	1341.5	543.5	226	245	247	245
A 90 4	S1	M1		138	369	941.5	108	412	1002.5	414.7	103	135	124	108
A 90 4	S1	ME1		138	369	941.5	108	412	1002.5	414.7	103	135	124	135
A 90 4	S2	ME2S		156	378	970.5	119	422	1055.5	423.6	129	143	134	143
A 90 4	S2	MX2S		156	378	1014.5	119	427.1	1101.5	430.8	129	143	134	143
A 90 4	S3	ME3S		195	397.5	1013.5	142	428.5	1109.5	434.5	160	155	160	155
A 90 4	S3	MX3S		195	397.5	1045.5	142	431.5	1138.5	438.5	160	155	160	155
A 90 4	S3	ME3L		195	397.5	1045.5	142	434	1136.5	440	160	155	160	155
A 90 4	S3	MX3L		195	397.5	1089.5	142	440	1181.5	447	160	155	160	155
A 90 4	S4	ME4	MX4	258	429	1153.5	193	468	1262.5	481	204	210	200	210
A 90 4	S4	ME4LB	MX4LA	258	429	1188.5	193	476	1287.5	489	226	210	217	210

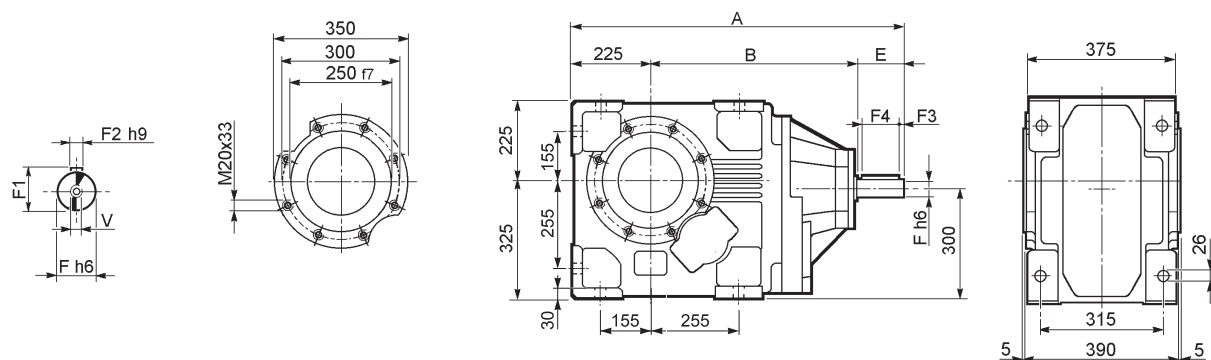


A 90...P (IEC)

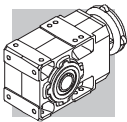


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 90 3	P80	19	21.8	6	200	165	130	—	M10x14.5	4	723	400
A 90 3	P90	24	27.3	8	200	165	130	—	M10x14.5	4	723	400
A 90 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	733	401
A 90 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	733	401
A 90 3	P132	38	41.3	10	300	265	230	16	14	5	769.5	409
A 90 3	P160	42	45.3	12	350	300	250	23	18	6	825	428
A 90 3	P180	48	51.8	14	350	300	250	23	18	6	825	429
A 90 3	P200	55	59.3	16	400	350	300	—	M16x25	7	850	436
A 90 3	P225	60	64.4	18	450	400	350	30	18	6	895.5	472
A 90 3	P250	65	69.4	18	550	500	450	30	18	6	925.5	475
A 90 4	P63	11	12.8	4	140	115	95	—	M8x19	4	786.5	411
A 90 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	786.5	412
A 90 4	P80	19	21.8	6	200	165	130	—	M10x14.5	4	806	413
A 90 4	P90	24	27.3	8	200	165	130	—	M10x14.5	4	806	413
A 90 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	816	415
A 90 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	816	415
A 90 4	P132	38	41.3	10	300	265	230	16	14	5	852.5	423
A 90 4	P160	42	45.3	12	350	300	250	23	18	5.5	903	434
A 90 4	P180	48	51.8	14	350	300	250	23	18	5.5	903	434

A 90...HS

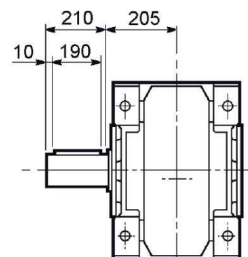
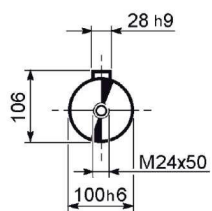


		A	B	E	F	F1	F2	F3	F4	V	Kg
A 90 3	HS	1009	644	140	60	64	18	10	120	M16x36	465
A 90 4	HS	875.5	600.5	50	24	27	8	2.5	45	M8x19	415

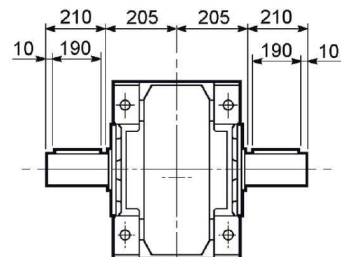
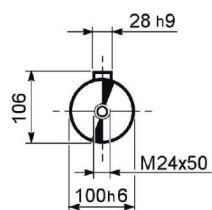


A 90

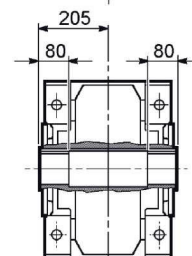
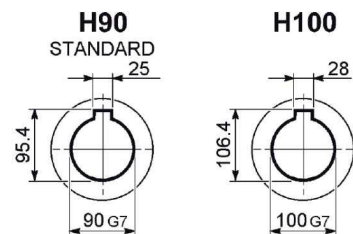
A 90...UR



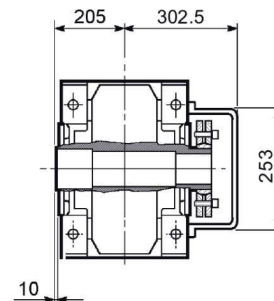
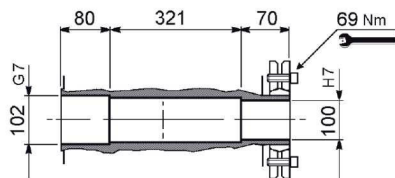
A 90...UD



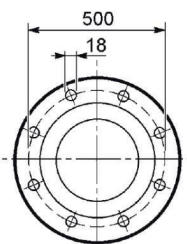
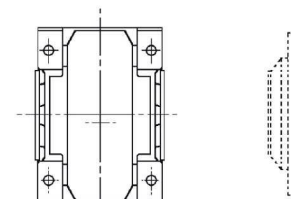
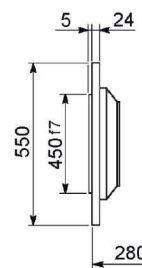
A 90...UH



A 90...US



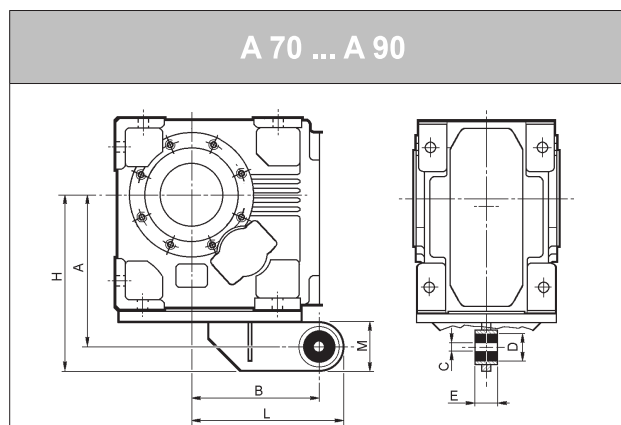
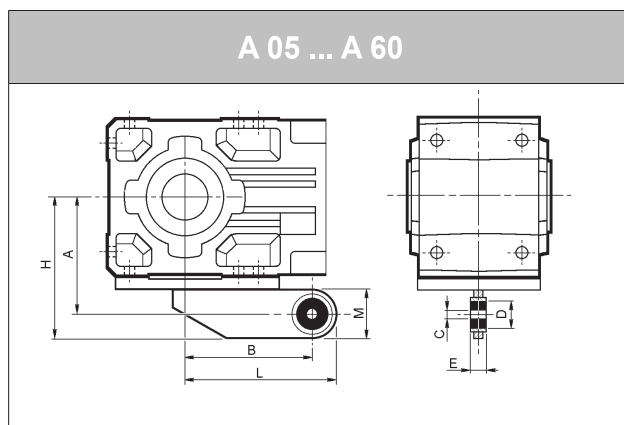
A 90...F...



A

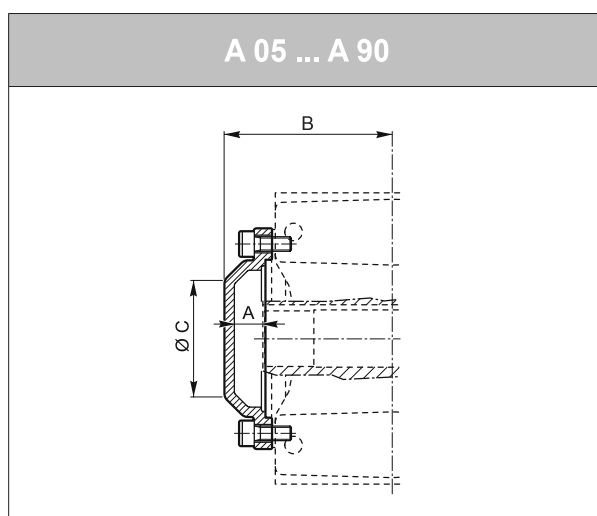


44 GEARBOXES DIMENSIONS WITH TORQUE ARM



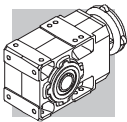
	A	B	C	D	E	H	L	M
A05	90.5	80	10	30	20	115.5	105	50
A10	108	118	10	30	20	138	148	60
A20	118	137	10	30	20	148	167	60
A30	135	150	20	40	25	170	185	70
A35	145	165	20	40	25	180	200	70
A41	157	200	20	40	25	192	235	70
A50	200	250	32	56	40	245	295	90
A55	200	250	32	56	40	245	295	90
A60	225	300	32	56	40	270	345	90
A70	289	250	32	56	40	334	295	90
A80	357	300	42	78	60	422	365	130
A90	410	350	42	78	60	475	415	130

45 GEARBOXES DIMENSIONS WITH PROTECTION CAP



	A	Ø C	B
A 05	17.5	36	73.5
A 10	20.5	60	84.5
A 20	20	75	94
A 30	20	75	104
A 35	19.5	80	114
A 41	21	110	120
A 50	26	100	148.5
A 55	27	100	149
A 60	25	100	158
A 70	33.5	120	193.5
A 80	38	140	228
A 90	43	152	258

Dimensions common to the other configurations are provided from page 265 to page 308

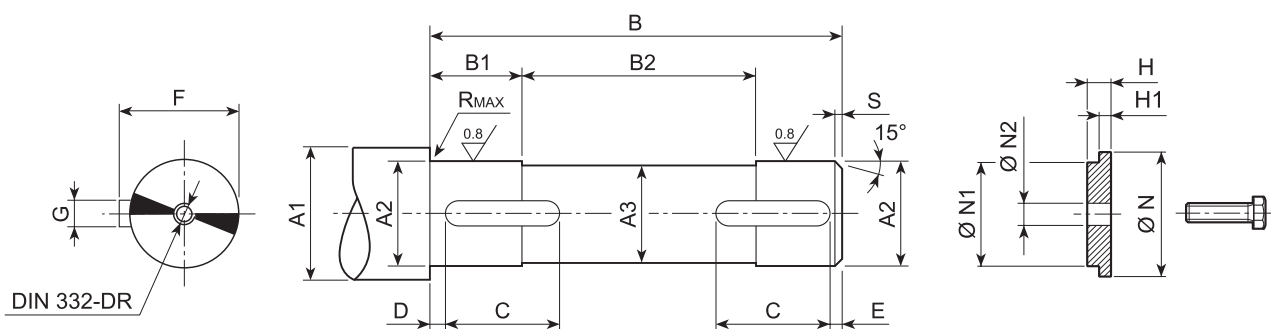




46 CUSTOMER' SHAFT

Make the driven shaft to be coupled to the gear unit's output shaft from a good quality steel, respecting the dimensions given in the table.

A device such as that illustrated below should also be installed to secure the shaft axially. Take care to verify and dimension the various components to suit the needs of the application.

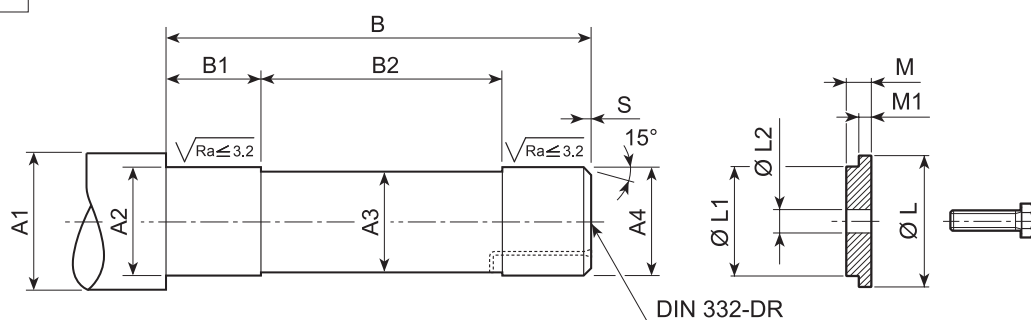
UH




	A1	A2	A3	B	B1	B2	C	D	E	F	G	R	S		N	N1	N2	H	H1	
														UNI 6604						UNI 5739
A05 UH25	≥ 30	25 h7	24	102	21	62	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	35	25 d9	9	7	5.5	M8x25
A10 UH30	≥ 35	30 h7	29	118	16	87	20	2	2	33	8 h9	0.5	1.5	8x7x20 A	35	30 d9	11	8.5	7	M10x30
A10 UH25	≥ 30	25 h7	24	118	16	87	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	30+35	25 d9	9	7	5.5	M8x25
A20 UH35	≥ 42	35 h7	34	138	20	98	20	2	2	38	10 h9	0.5	1.5	10x8x20 A	42	35 d9	11	8.5	7	M10x30
A20 UH30	≥ 35	30 h7	29	138	20	98	25	2	2	33	8 h9	0.5	1.5	8x7x25 A	35+42	30 d9	11	8.5	7	M10x30
A30 UH40	≥ 47	40 h7	39	158	23	112	30	2	2	43	12 h9	0.5	1.5	12x8x30 A	47	40 d9	14	8.5	7	M12x35
A30 UH35	≥ 42	35 h7	34	158	23	112	30	2	2	38	10 h9	0.5	1.5	10x8x30 A	42+47	35 d9	11	8.5	7	M10x30
A35 UH40	≥ 47	40 h7	39	175	33	109	40	2	2	43	12 h9	1	1.5	12x8x40 A	47	40 d9	14	8.5	7	M12x35
A35 UH35	≥ 42	35 h7	34	175	33	109	40	2	2	38	10 h9	1	1.5	10x8x40 A	42+47	35 d9	11	8.5	7	M10x30
A41 UH45	≥ 52	45 h7	44	184	28	128	45	2.5	2.5	48.5	14 h9	1	2	14x9x45 A	52	45 d9	14	8.5	7	M12x35
A41 UH40	≥ 47	40 h7	39	184	28	128	50	2.5	2.5	43	12 h9	1	2	12x8x50 A	47+52	40 d9	14	8.5	7	M12x35
A50 UH55	≥ 63	55 h7	54	226	37.5	151	55	2.5	2.5	59	16 h9	1	2	16x10x55 A	63	55 d9	22	10	8	M20x50
A50 UH50	≥ 57	50 h7	49	226	37.5	151	65	2.5	2.5	53.5	14 h9	1	2	14x9x65 A	57+63	50 d9	18	10	8	M16x45
A55 UH60	≥ 70	60 h7	59	226	37.5	151	65	2.5	2.5	64	18 h9	2	2	18x11x65 A	70	60 d9	22	10	8	M20x50
A55 UH50	≥ 60	50 h7	49	226	37.5	151	75	2.5	2.5	53.5	14 h9	2	2	14x9x75 A	60+70	50 d9	18	10	8	M16x45
A60 UH70	≥ 78	70 h7	69	248	48	152	70	2.5	2.5	74.5	20 h9	2.5	2	20x12x70 A	78	70 d9	22	10	8.5	M20x50
A60 UH60	≥ 68	60 h7	59	248	48	152	80	2.5	2.5	64	18 h9	2.5	2	18x11x80 A	68+78	60 d9	22	10	8.5	M20x50
A70 UH80	≥ 89	80 h7	79	303	58	187	90	3	3	85	22 h9	2.5	2.5	22x14x90 A	89	80 d9	22	10	8.5	M20x50
A70 UH70	≥ 78	70 h7	69	303	58	187	110	3	3	74.5	20 h9	2.5	2.5	20x12x110 A	78+89	70 d9	22	10	8.5	M20x50
A80 UH90	≥ 99	90 h7	89	358	78	202	120	3	3	95	25 h9	2.5	2.5	25x14x120 A	99	90 d9	26	22	20.5	M24x70
A80 UH80	≥ 89	80 h7	79	358	78	202	130	3	3	85	22 h9	2.5	2.5	22x14x130 A	89+99	80 d9	22	10	8.5	M20x50
A90 UH100	≥ 111	100 h7	99	408	78	252	160	3	3	106	28 h9	2.5	2.5	28x16x160 A	111	100 d9	26	22	20.5	M24x70
A90 UH90	≥ 99	90 h7	89	408	78	252	190	3	3	95	25 h9	2.5	2.5	25x14x190 A	99+111	90 d9	26	22	20.5	M24x70

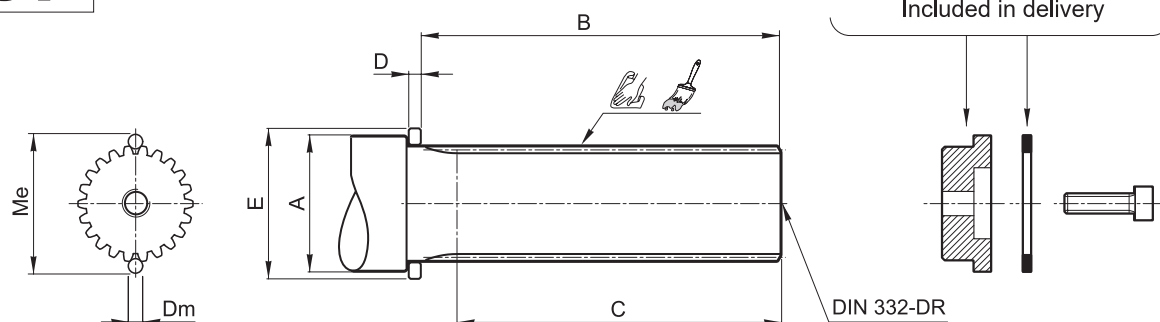




US

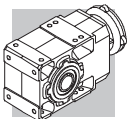


	A1	A2	A3	A4	B	B1	B2	R	S	L	L1	L2	M	M1	 UNI 5739
A 05	≥ 35	27 h7	24	25 h6	129.5	32	63.5	0.5	1.5	29.5	25 d9	11	8.5	7	M10x30
A 10	≥ 42	32 h7	29	30 h6	147.5	34	77.5	0.5	1.5	35.5	30 d9	11	8.5	7	M10x30
A 20	≥ 48	37 h7	34	35 h6	170	40	89	0.5	1.5	43	35 d9	14	8.5	7	M12x35
A 30	≥ 54	42 h7	39	40 h6	191.5	48	95.5	0.5	1.5	49	40 d9	18	10	8.5	M16x45
A 35	≥ 54	42 h7	39	40 h6	208.5	48	112.5	0.5	1.5	49	40 d9	18	10	8.5	M16x45
A 41	≥ 60	47 h7	44	45 h6	222	53	117	1	2	54	45 d9	18	10	8.5	M16x45
A 50	≥ 72	57 h7	54	55 g6	264	46	156	1	2	72	55 d9	22	10	8.5	M20x50
A 55	≥ 72	62 h7	59	60 g6	266	46	158	2.5	2	72	60 d9	22	10	8.5	M20x50
A 60	≥ 90	72 h7	69	70 g6	293	48	178	2.5	2.5	85	70 d9	22	10	8.5	M20x50
A 70	≥ 104	82 h7	79	80 g6	352.5	90	172.5	2.5	2.5	95	80 d9	22	10	8.5	M20x50
A 80	≥ 114	92 h7	89	90 g6	416	100	216	2.5	2.5	105	90 d9	26	22	20.5	M24x70
A 90	≥ 126	102 h7	99	100 g6	469	78	321	2.5	2.5	120	100 d9	26	22	20.5	M24x70

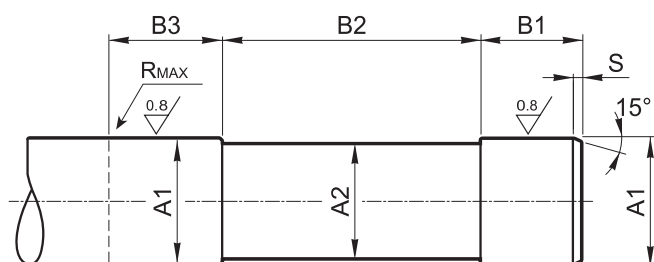
UV



	 DIN 5480	Me	Dm	A	B	C	D	E	 ISO 4762
A 20	30x1.25x22	33.04 +0/-0.04	2.75	≥ 40	111.5	≥ 95	7	45	M10x35
A 30	35x2x16	38.93 +0/-0.04	4	≥ 45	130.5	≥ 112	7	50	M12x40
A 35	35x2x16	38.93 +0/-0.04	4	≥ 45	147.5	≥ 129	7	50	M12x40
A 41	45x2x21	48.86 +0/-0.04	4	≥ 55	155.5	≥ 136	7	60	M16x45
A 50	50x2x24	54.14 +0/-0.05	4	≥ 60	196	≥ 175	7	65	M16x45
A 55	50x2x24	54.14 +0/-0.05	4	≥ 60	196	≥ 175	7	65	M16x45
A 60	65x2x31	68.97 +0/-0.05	4	≥ 75	213.5	≥ 191	7	80	M20x55



QF



		A1	A2	B1	B2	B3	S
A 10	QF25	25 h6	24	41	95	≥ 50	1.5
	QF30	30 h6	29				
A 20	QF25	25 h6	24	41	115	≥ 50	1.5
	QF30	30 h6	29				
A 30	QF35	35 h6	34	45	130	≥ 54	1.5
	QF40	40 h6	39				
A 35	QF35	35 h6	34	45	146.5	≥ 54	1.5
	QF40	40 h6	39				
A 41	QF40	40 h6	39	47	151.5	≥ 56	2
	QF45	45 h6	44				
A 50	QF50	50 h6	49	48	197	≥ 57	2
	QF55	55 h6	54				
A 55	QF55	55 h6	54	50	190	≥ 59	2
	QF60	60 h6	59				
A 60	QF60	60 h6	59	57	203	≥ 66	2.5
	QF65	65 h6	64				
	QF70	70 h6	69				