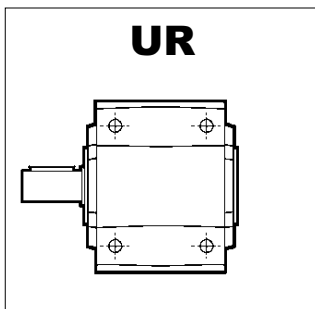


**21 - FORMAS
CONSTRUCTIVAS**

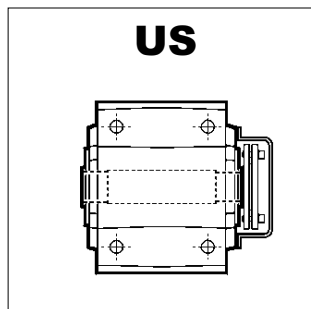
21 - VERSIONS

21 - BAUFORMEN

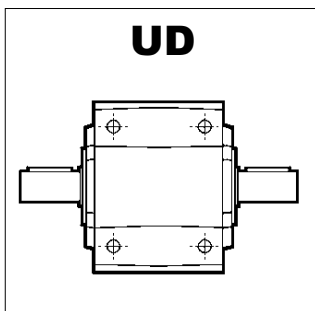
**21 - FORMES DE
CONSTRUCTION**



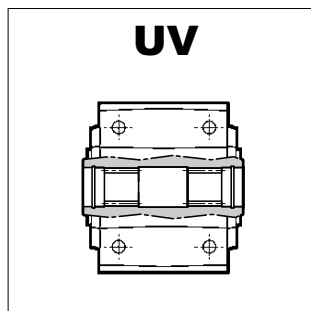
UR
Eje de salida simple
*Single extension
output shaft*
Einzelwellenende-
Abtriebswelle
*Arbre lent sortant
d'un seul côté*



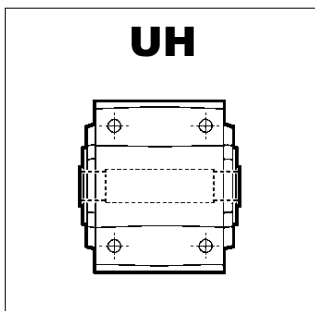
US
Eje de salida hueco con
Aro de apriete
*Hollow output shaft
and shrink disc*
Abtriebshohlwelle
und Schrumpfscheibe
*Arbre lent creux
et frette de serrage*



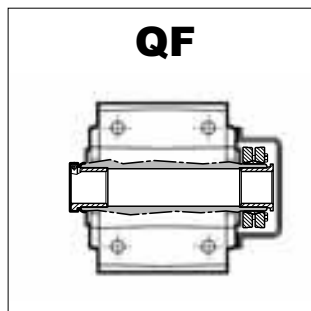
UD
Eje de salida doble
*Double extended
output shaft*
Zweiwellenenden-
Abtriebswelle
*Arbre lent sortant de
deux côtés*



UV
Eje de salida estriado
DIN 5480
*Splined hollow shaft
DIN 5480*
Hohlwelle mit Vielkeilver-
zahnung DIN 5480
*Arbre creux cannelé
DIN 5480*



UH
Eje de salida hueco con
chavetero
*Hollow output shaft
and keyway*
Federnut-
Abtriebshohlwelle
Arbre lent creux claveté



Quick-fit
Eje hueco con casquillo de
adaptación y Aro de apriete
*Hollow shaft with adapter
bushings and shrink disc*
Hohlwelle mit Adapterbuch-
sen und Schrumpfscheibe
*Arbre creux avec douilles
d'adaptation et frette de
serrage*

**Formas constructivas con
brida postiza**

**Basic versions with bolted
flange**

**Bauformen mit aufgesetztem
Flansc**

**Formes de construction avec
bride rapportée**

Los esquemas muestran las di-
stintas bridas aplicables a la
forma constructiva base, y su
correspondiente posicionamien-
to (①, ②).

The sketches show the applica-
ble flanges to the basic ver-
sions and their positions, desi-
gnated with either ① or ②.

Die angegebenen Bilder zeigen
die den Grundbauformen an-
baubaren Flansche und ihre
Positionierung (①, ②)

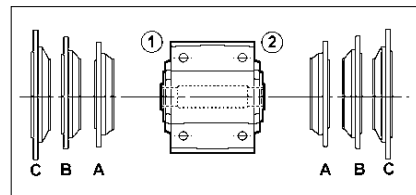
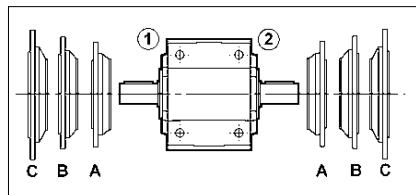
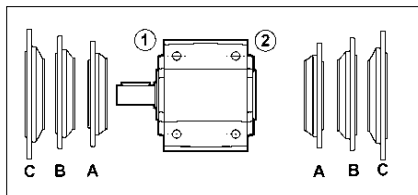
Les schémas reportés définis-
sent les brides applicables aux
formes de construction stan-
dard et leur position (①, ②)

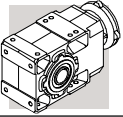
URF1

URF2 UDF1

UDF2 UHF1

UHF2





22 - DESIGNACIÓN

22 - ORDERING CODE

22 - BEZEICHNUNG

22 - DESIGNATION

REDUCTOR / GEAR UNIT / GETRIEBE / REDUCTEURS

A 35 2 UH40 F1A 33.2 S3 VA

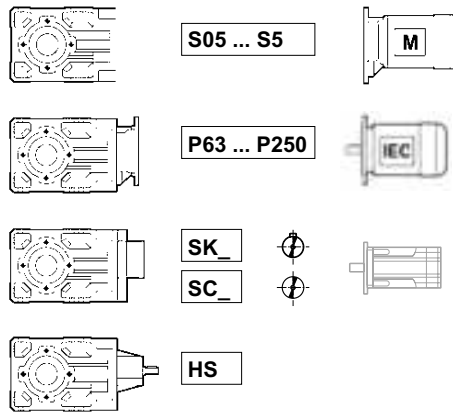
OPCIONES / OPTIONS
OPTIONEN / OPTIONS

26

POSICIÓN DE MONTAJE / MOUNTING POSITION
EINBAULAGEN / POSITION DE MONTAGE
B3 (Standard), **B6, B7, B8, VA, VB**

31

DESIGNACION DE LA ENTRADA / INPUT CONFIGURATION
BEZEICHNUNG DER ANTRIEBSSEITE / DESIGNATION ENTREE

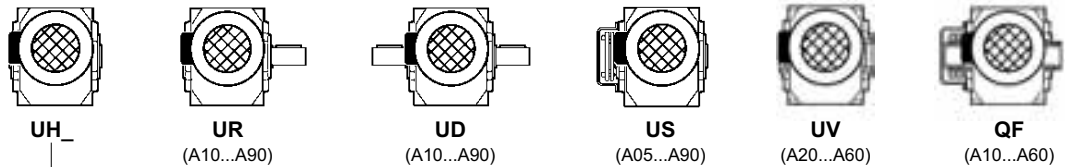


RELACIÓN DE REDUCCIÓN / GEAR RATIO
ÜBERSETZUNG / RAPPORT DE REDUCTION

TAMAÑO Y POSICIÓN DE LA BRIDA DE SALIDA (especificar solamente si se precisa)
OUTPUT FLANGE SIZE AND POSITION (specify only if requested)
BAUGRÖSSE UND LAGE DER ANTRIEBSFLANSCH (angeben nur wenn angefragt)
TAILLE ET POSITION BRIDE EN SORTIE (spécifier si elle est demandée)

F = Versión embreada / Flanged version / Ausführung mit Flansch / Version avec bride
1,2 = Posición de la brida / Flange position / Flanschlage / Position bride
A,B,C = Tamaño de la brida / Flange size / Flanschgröße / Taille bride

FORMA CONSTRUCTIVA / VERSION / BAUFORM / FORME DE CONSTRUCTION

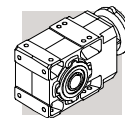


A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
UH25	UH25	UH30	UH35	UH40	UH45	UH50	UH60	UH60	UH70	UH80	UH90
—	UH30	UH35	UH40	UH35	UH40	UH55	UH50	UH70	UH80	UH90	UH100

Nº DE ETAPAS DE REDUCCIÓN / REDUCTIONS / ANZAHL DER GETRIEBESTUFEN IN.bre ETAGES DE REDUCTION
2 (A05...A60), **3** (A20...A90), **4** (A50...A90)


TAMAÑO REDUCTOR / GEAR FRAME SIZE / GETRIEBEBAUGRÖSSE / TAILLE REDUCTEUR
05, 10, 20, 30, 35, 41, 50, 55, 60, 70, 80, 90

TIPO / TYPE / TYP / TYPE
A




Designación motor *Motor designation* *Motor bezeichnung* *Designation moteur*
 MOTOR / MOTOR / MOTOR / MOTEUR FRENO / BRAKE / BREMSE / FREIN

M 3LA 4 230/400-50 IP54 CLF W FD 15 R SB 220 SA




OPCIONES
 OPTIONS
 OPTIONEN
 OPTIONS  27


ALIMENTACIÓN FRENO
 BRAKE SUPPLY
 BREMSVERSORGUNG
 ALIMENTATION FREIN  180  185  189

TIPO RECTIFICADOR
 RECTIFIER TYPE
 GLEICHRICHTERTYP
 TYPE ALIMENTATEUR
NB, SB, NBR, SBR  181


PALANCA DESBLOQUEO FRENO
 BRAKE HAND RELEASE
 BREMSHANDLÜFTUNG
 LEVIER DE DEBLOCAGE FREIN
R, RM  192


PAR DE FRENADO / BRAKE TORQUE
 BREMSMOMENT/ COUPLE FREIN  182  186  190

TIPO DE FRENO / BRAKE TYPE
 BRESENTYP / TYPE DE FREIN  179  184  190
FD (freno c.c./ d.c. brake / G.S. Bremse / frein c.c.)
FA, BA (freno c.a./ a.c. brake / W.S. Bremse / frein c.a.)

POSICIÓN CAJA DE CONEXIONES
 TERMINAL BOX POSITION
 KLEMMENKASTENLAGE
 POSITION BOITE A BORNE
W (default), **N, E, S**  31

FORMA CONSTRUCTIVA / MOTOR MOUNTING
 BAUFORM / FORM DE CONSTRUCTION
 — (motor integrado / compact motor / kompaktes Motor / moteur compact)
B5 (motor IEC / IEC - motor / IEC Motor / moteur CEI)

CLASE DE AISLAMIENTO / INSULATION CLASS
 ISOLIERUNGSKLASSE / CLASSE ISOLATION  173
CL F standard
CL H option

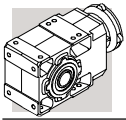
GRADO DE PROTECCIÓN / DEGREE OF PROTECTION
 SCHUTZART / DEGRE DE PROTECTION  167
IP55 standard (IP54 - autofr. / brake motor / Bremssmotor / moteur frein)

TENSIÓN - FRECUENCIA / VOLTAGE - FREQUENCY
 SPANNUNG - FREQUENZ / TENSION - FREQUENCE  172

NUMERO DE POLOS / POLE NUMBER / POLZAHL / N.bre POLES
2, 4, 6, 2/4, 2/6, 2/8, 2/12

TAMAÑO MOTOR / MOTOR SIZE / MOTOR-BAUGRÖSSE / TAILLE MOTEUR
05B - 5LA (motor integrado / compact motor / kompaktes Motor / moteur compact)
63A - 250M (motor IEC / IEC motor / IEC - motor / moteur CEI)

TIPO MOTOR / MOTOR TYPE / MOTORTYP / TYPE MOTEUR
M = trifásico integrado / compact 3-phase / kompaktes Dreiphasen / 3 phasé compact
BN = trifásico IEC / IEC 3-phase / IEC Dreiphasen / 3 phasé CEI



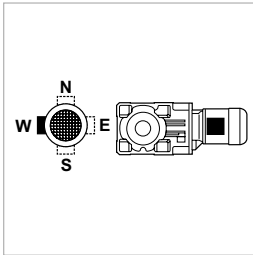
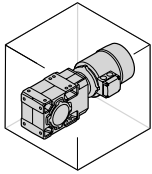
A 05...A 41

HS

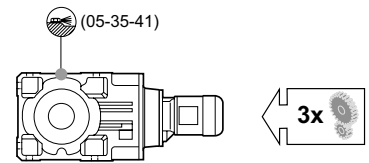
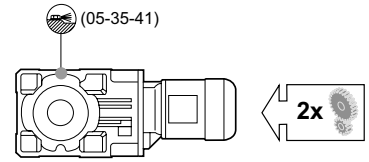
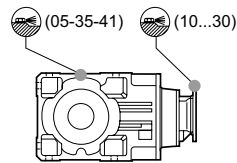
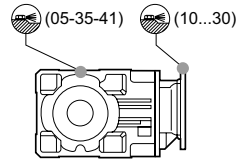
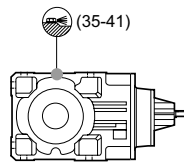
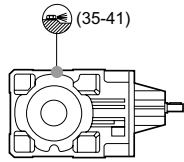
P (IEC)

S

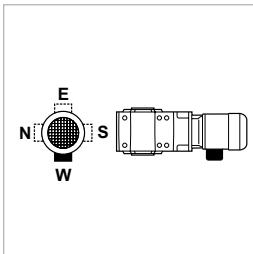
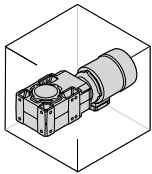
B3



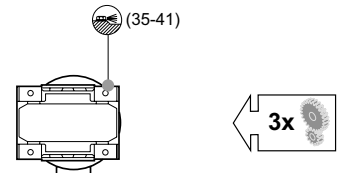
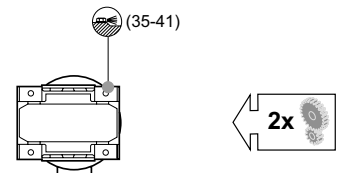
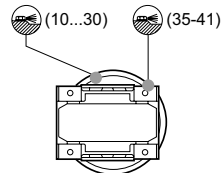
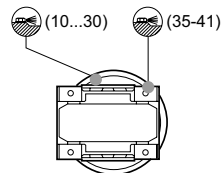
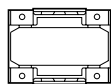
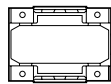
W = Default



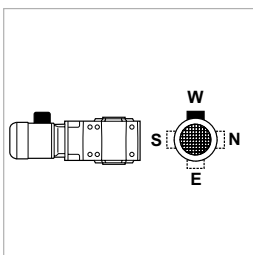
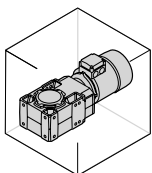
B6



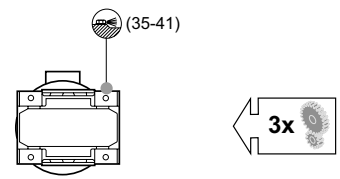
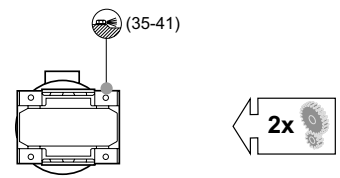
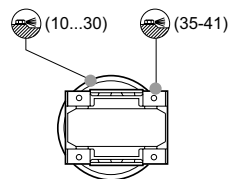
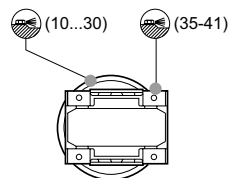
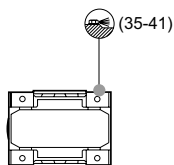
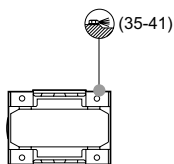
W = Default

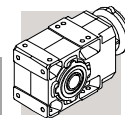


B7



W = Default



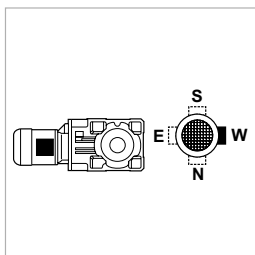
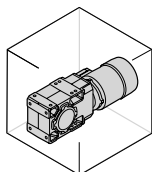


HS

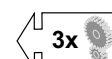
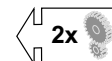
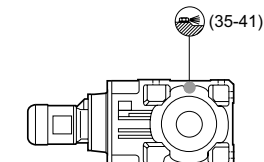
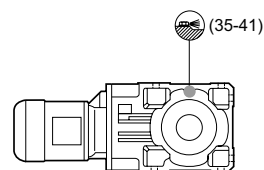
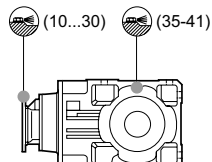
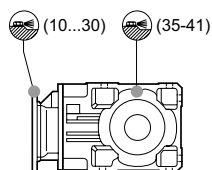
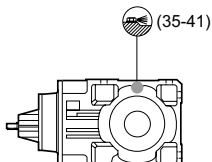
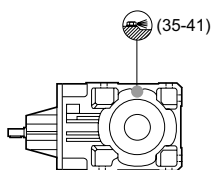
P (IEC)

S

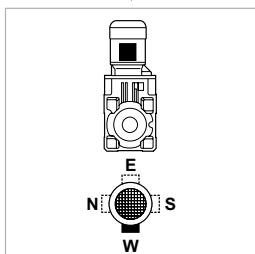
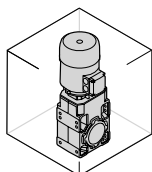
B8



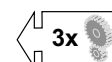
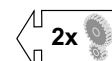
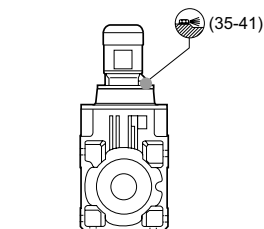
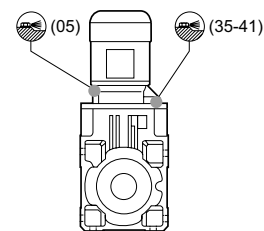
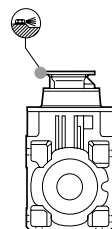
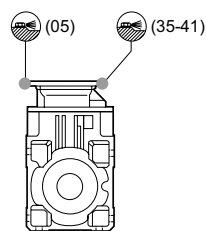
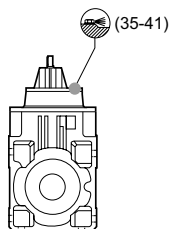
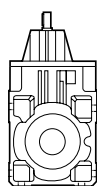
W = Default



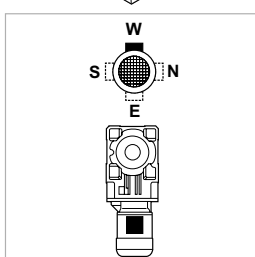
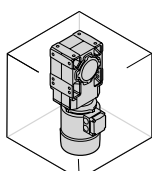
VA



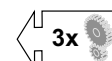
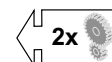
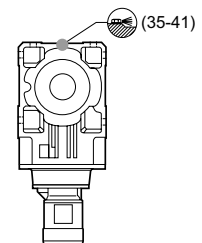
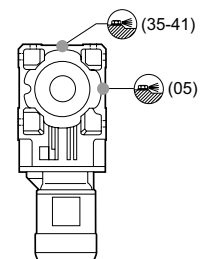
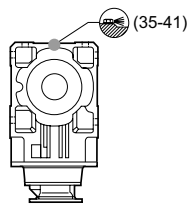
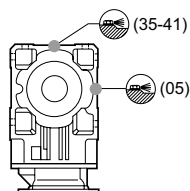
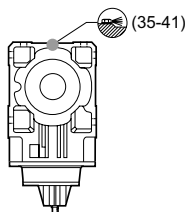
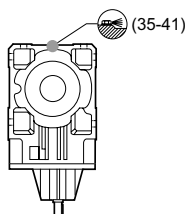
W = Default

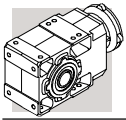


VB



W = Default





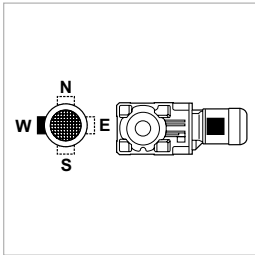
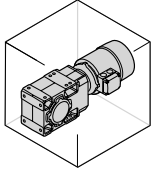
A 50...A 60

HS

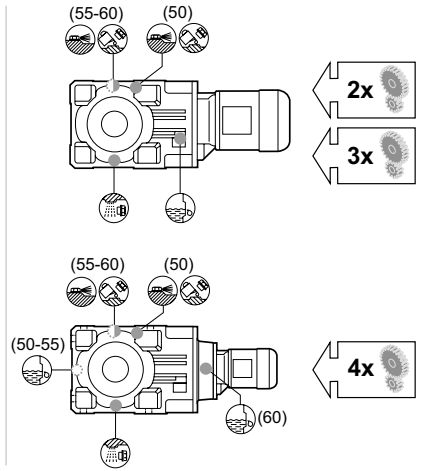
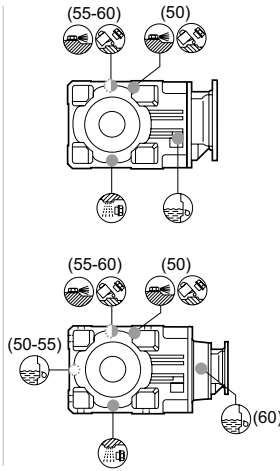
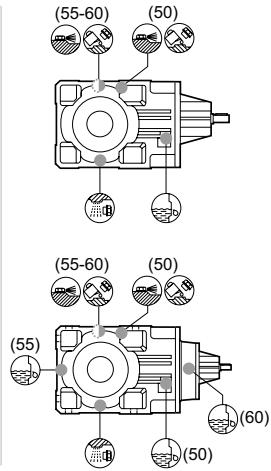
P (IEC)

S

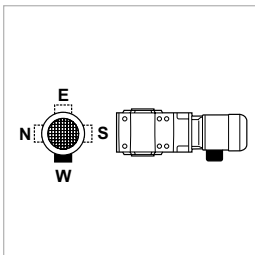
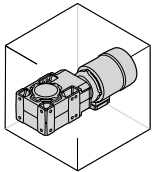
B3



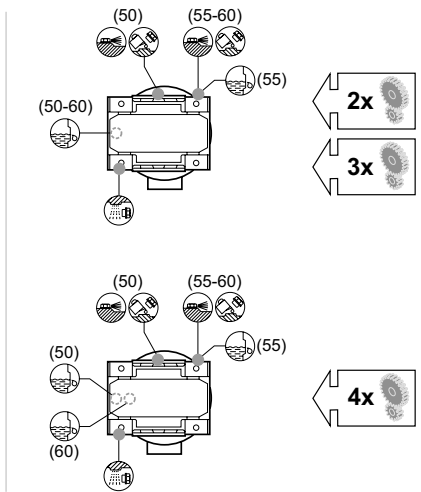
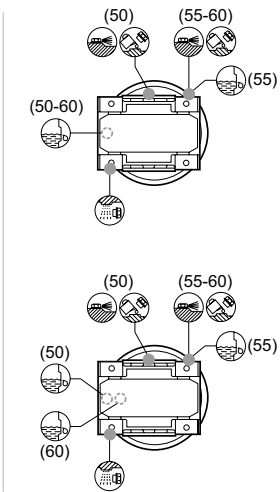
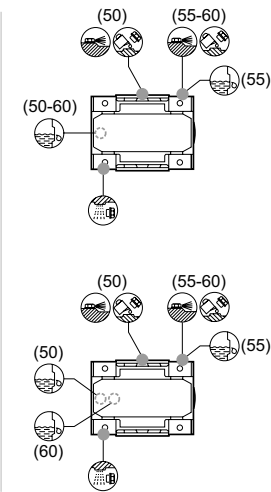
W = Default



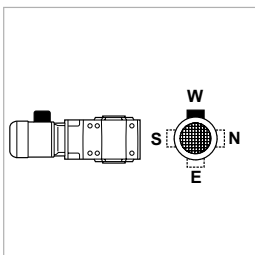
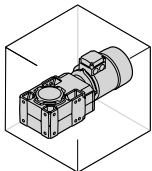
B6



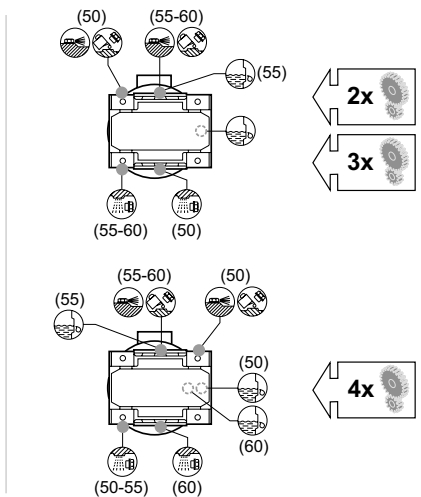
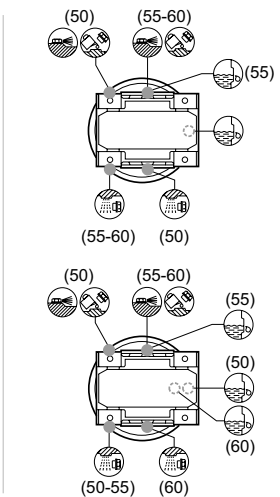
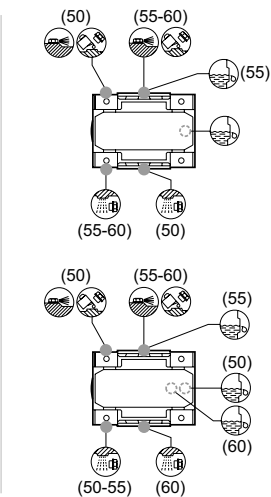
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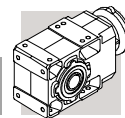
B7



W = Default



A 50...A 60

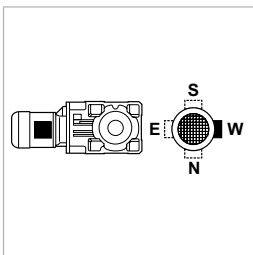
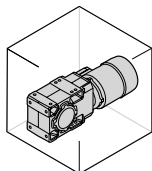


HS

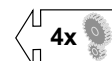
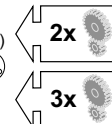
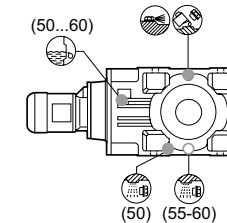
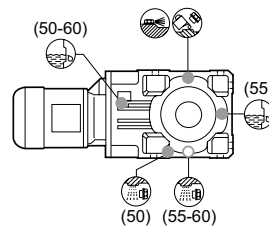
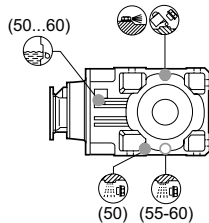
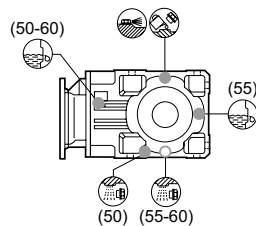
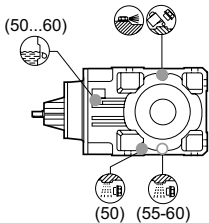
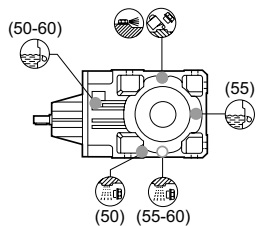
P (IEC)

S

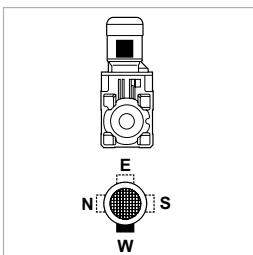
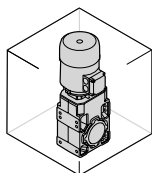
B8



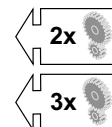
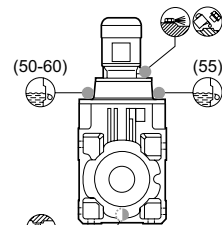
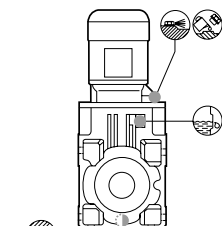
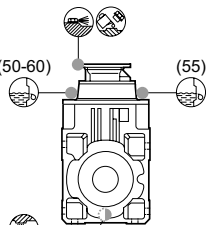
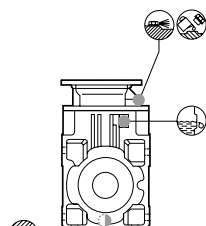
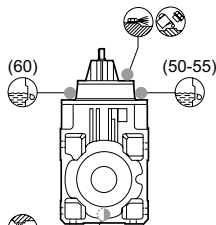
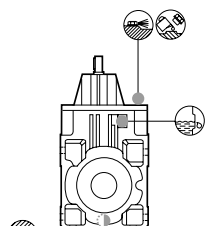
W = Default



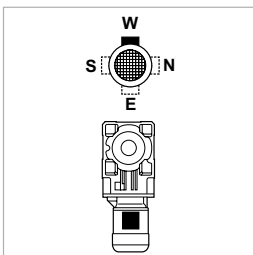
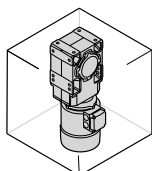
VA



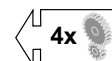
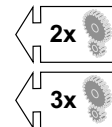
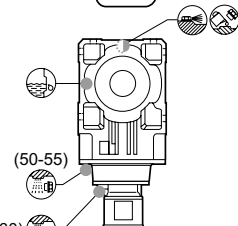
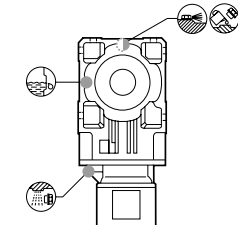
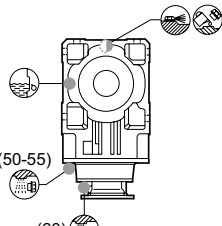
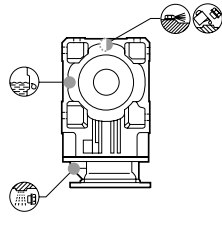
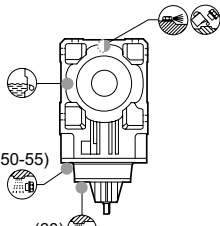
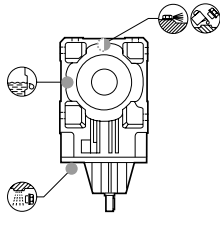
W = Default

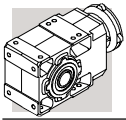


VB



W = Default





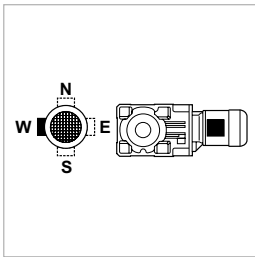
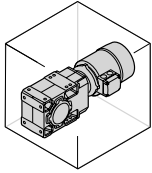
A 70...A 90

HS

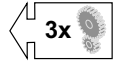
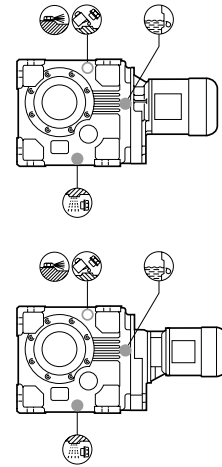
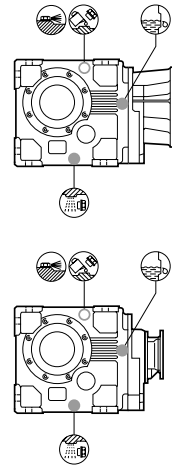
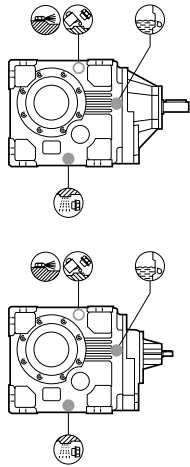
P (IEC)

S

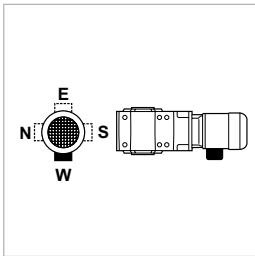
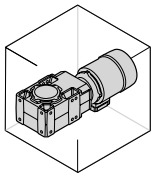
B3



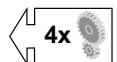
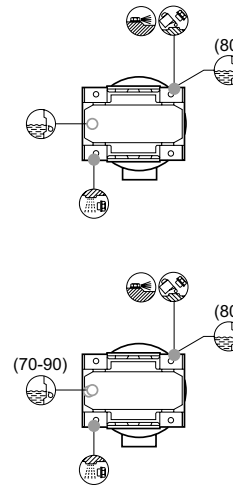
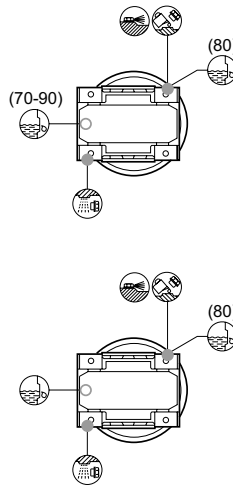
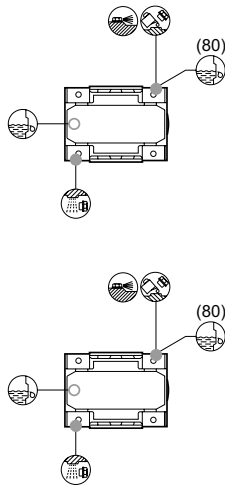
W = Default



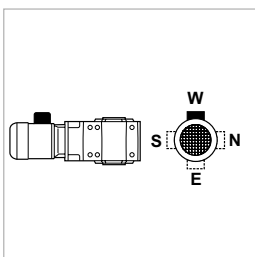
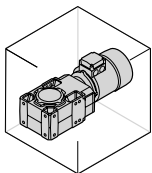
B6



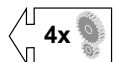
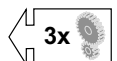
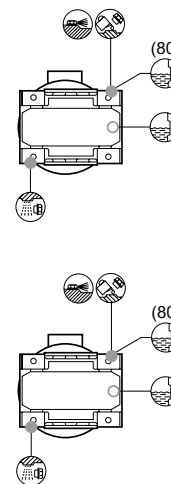
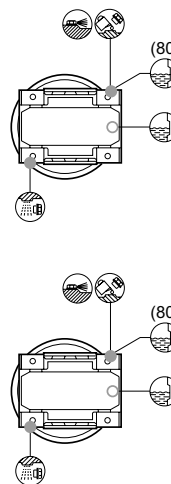
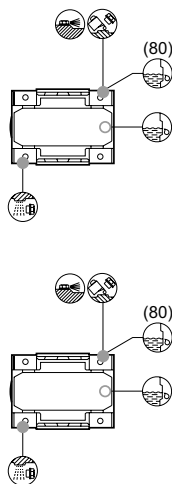
W = Default



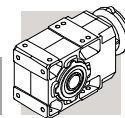
B7



W = Default



A 70...A 90

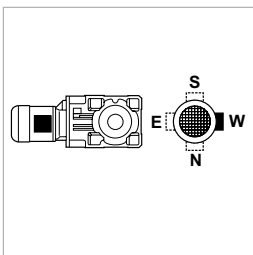
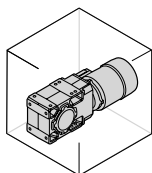


HS

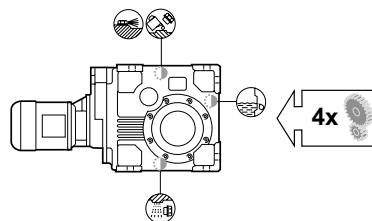
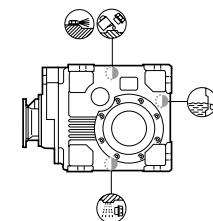
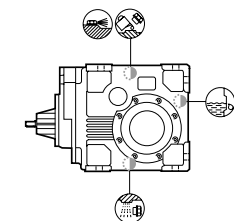
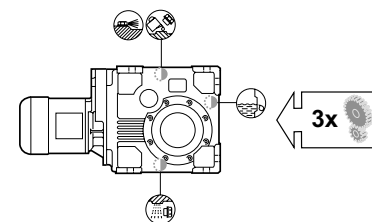
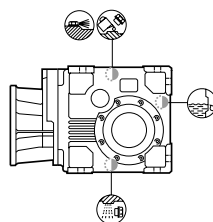
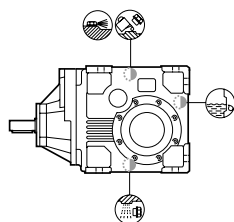
P (IEC)

S

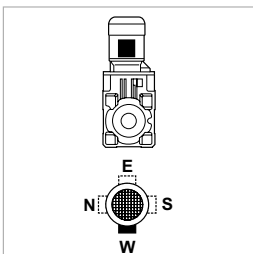
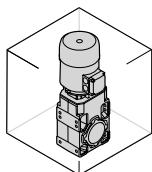
B8



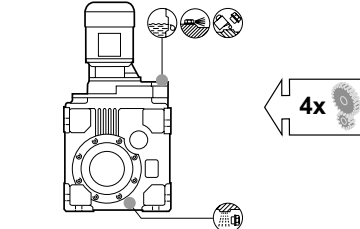
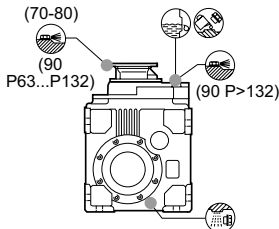
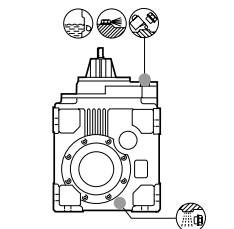
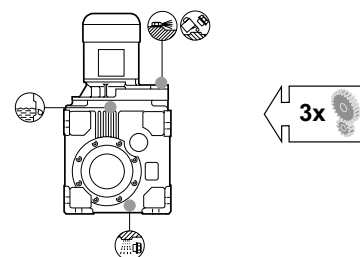
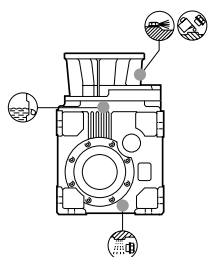
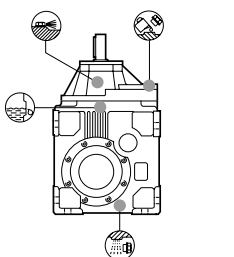
W = Default



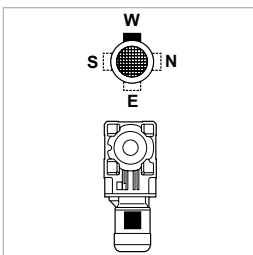
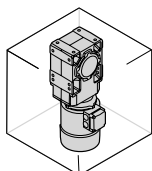
VA



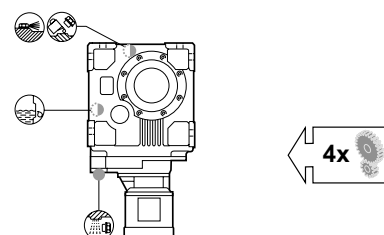
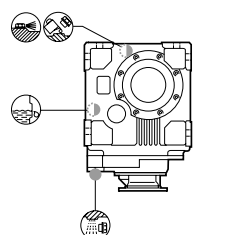
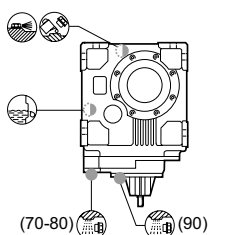
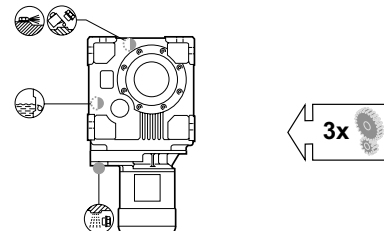
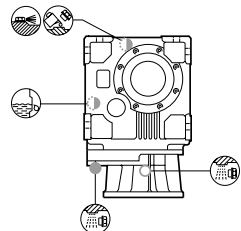
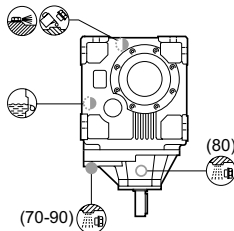
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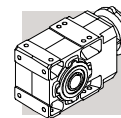


VB



W = Default










29 - DATOS TECNICOS
MOTORREDUCTORES

29 - GEARMOTOR RATING
CHARTS

29 - GETRIEBEMOTORENAUS-
WAHLTABELLEN

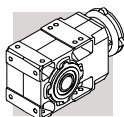
29 - DONNEES TECHNIQUES
MOTOREDUCTEURS

0.09 kW






n_2 min ⁻¹	M ₂ Nm	S	i	R _{n2} N			 IEC 	
0.51	1492	3.4	1715	50000			A704_ 1715 P63 BN63A6	149
1.1	677	2.2	778.2	20000			A504_ 778.2 P63 BN63A6	137
1.2	616	2.4	707.9	20000			A504_ 707.9 P63 BN63A6	137
1.4	549	2.7	631.2	20000			A504_ 631.2 P63 BN63A6	137
1.5	499	3.0	574.2	20000			A504_ 574.2 P63 BN63A6	137
1.7	461	3.3	529.5	20000			A504_ 529.5 P63 BN63A6	137
2.2	356	1.0	400.8	9600	A303_ 400.8 S05 M05A6	124	A303_ 400.8 P63 BN63A6	125
2.6	302	1.7	339.3	12000	A353_ 339.3 S05 M05A6	128	A353_ 339.3 P63 BN63A6	129
3.0	259	3.3	291.7	15000	A413_ 291.7 S05 M05A6	132	A413_ 291.7 P63 BN63A6	133
3.5	221	2.7	248.1	12000	A353_ 248.1 S05 M05A6	128	A353_ 248.1 P63 BN63A6	129
4.1	193	2.1	216.6	9600	A303_ 216.6 S05 M05A6	124	A303_ 216.6 P63 BN63A6	125
4.9	159	1.6	178.3	6200	A203_ 178.3 S05 M05A6	120	A203_ 178.3 P63 BN63A6	121
5.8	134	2.8	150.7	9600	A303_ 150.7 S05 M05A6	124	A303_ 150.7 P63 BN63A6	125
6.8	115	2.2	129.1	6200	A203_ 129.1 S05 M05A6	120	A203_ 129.1 P63 BN63A6	121
8.1	97	2.5	109.2	6200	A203_ 109.2 S05 M05A6	120	A203_ 109.2 P63 BN63A6	121
9.6	84	1.5	91.6	5500	A102_ 91.6 S05 M05A6	116	A102_ 91.6 P63 BN63A6	117
11.5	70	2.1	76.4	5500	A102_ 76.4 S05 M05A6	116	A102_ 76.4 P63 BN63A6	117
13.3	61	2.5	65.9	5500	A102_ 65.9 S05 M05A6	116	A102_ 65.9 P63 BN63A6	117
15.0	54	2.8	58.6	5500	A102_ 58.6 S05 M05A6	116	A102_ 58.6 P63 BN63A6	117
17.2	47	3.2	51.3	5500	A102_ 51.3 S05 M05A6	116	A102_ 51.3 P63 BN63A6	117
19.4	42	2.4	45.4	4250	A052_ 45.4 S05 M05A6	113	A052_ 45.4 P63 BN63A6	113
21.5	38	2.7	40.9	4120	A052_ 40.9 S05 M05A6	113	A052_ 40.9 P63 BN63A6	113
25.1	32	3.1	35.1	3950	A052_ 35.1 S05 M05A6	113	A052_ 35.1 P63 BN63A6	113
27.3	30	3.4	32.2	3850	A052_ 32.2 S05 M05A6	113	A052_ 32.2 P63 BN63A6	113
31	26	3.8	28.6	3720	A052_ 28.6 S05 M05A6	113	A052_ 28.6 P63 BN63A6	113
35	23	4.4	25.5	3590	A052_ 25.5 S05 M05A6	113	A052_ 25.5 P63 BN63A6	113
37	22	4.6	23.8	3520	A052_ 23.8 S05 M05A6	113	A052_ 23.8 P63 BN63A6	113
41	19.6	5.3	21.4	3410	A052_ 21.4 S05 M05A6	113	A052_ 21.4 P63 BN63A6	113
47	17.1	5.9	18.6	3270	A052_ 18.6 S05 M05A6	113	A052_ 18.6 P63 BN63A6	113
53	15.1	6.8	16.4	3150	A052_ 16.4 S05 M05A6	113	A052_ 16.4 P63 BN63A6	113
63	12.8	7.8	13.9	2990	A052_ 13.9 S05 M05A6	113	A052_ 13.9 P63 BN63A6	113
72	11.3	8.8	12.3	2880	A052_ 12.3 S05 M05A6	113	A052_ 12.3 P63 BN63A6	113
83	9.7	10.3	10.6	2740	A052_ 10.6 S05 M05A6	113	A052_ 10.6 P63 BN63A6	113
92	8.8	11.3	9.6	2670	A052_ 9.6 S05 M05A6	113	A052_ 9.6 P63 BN63A6	113
103	7.8	13.2	8.5	2570	A052_ 8.5 S05 M05A6	113	A052_ 8.5 P63 BN63A6	113
122	6.6	15.1	7.2	2440	A052_ 7.2 S05 M05A6	113	A052_ 7.2 P63 BN63A6	113
139	5.8	17.8	6.3	2340	A052_ 6.3 S05 M05A6	113	A052_ 6.3 P63 BN63A6	113
161	5.0	19.9	5.5	2230	A052_ 5.5 S05 M05A6	113	A052_ 5.5 P63 BN63A6	113

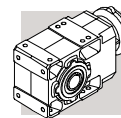
0.12 kW

0.51	2012	2.5	1715	50000			A704_ 1715 P63 BN63B6	149
0.55	1857	2.7	1583	50000			A704_ 1583 P63 BN63B6	149
0.65	1579	3.2	1346	50000			A704_ 1346 P63 BN63B6	149
0.70	1457	3.4	1242	50000			A704_ 1242 P63 BN63B6	149
1.1	913	1.6	778.2	20000			A504_ 778.2 P63 BN63B6	137
1.2	818	3.4	697.3	30000			A604_ 697.3 P63 BN63B6	145
1.4	740	2.0	631.2	20000			A504_ 631.2 P63 BN63B6	149
1.6	621	2.4	529.5	20000			A504_ 529.5 P63 BN63B6	149
1.7	588	2.5	778.2	20000			A504_ 778.2 P63 BN63A4	149
1.9	535	2.8	707.9	20000			A504_ 707.9 P63 BN63A4	149
2.1	477	3.1	631.2	20000			A504_ 631.2 P63 BN63A4	149
2.4	434	3.5	574.2	20000			A504_ 574.2 P63 BN63A4	149
3.4	310	1.2	400.8	9600	A303_ 400.8 S05 M05A4	124	A303_ 400.8 P63 BN63A4	125
3.4	304	1.5	393.2	12000	A353_ 393.2 S05 M05A4	128	A353_ 393.2 P63 BN63A4	129
3.6	291	2.9	376.8	15000	A413_ 376.8 S05 M05A4	132	A413_ 376.8 P63 BN63A4	133
3.8	275	1.3	356.3	9600	A303_ 356.3 S05 M05A4	124	A303_ 356.3 P63 BN63A4	125








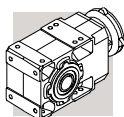
0.12 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
4.0	262	2.0	339.3	12000	A353_ 339.3 S05 M05A4	128	A353_ 339.3 P63 BN63A4	129
4.1	255	1.0	329.4	6200	A203_ 329.4 S05 M05A4	120	A203_ 329.4 P63 BN63A4	121
4.2	251	3.4	324.2	15000	A413_ 324.2 S05 M05A4	132	A413_ 324.2 P63 BN63A4	133
4.3	243	1.6	314.5	9600	A303_ 314.5 S05 M05A4	124	A303_ 314.5 P63 BN63A4	125
4.4	236	2.5	305.4	12000	A353_ 305.4 S05 M05A4	128	A353_ 305.4 P63 BN63A4	129
4.6	226	1.1	292.8	6200	A203_ 292.8 S05 M05A4	120	A203_ 292.8 P63 BN63A4	121
5.0	210	1.8	271.5	9600	A303_ 271.5 S05 M05A4	124	A303_ 271.5 P63 BN63A4	125
5.0	209	2.9	270.7	12000	A353_ 270.7 S05 M05A4	128	A353_ 270.7 P63 BN63A4	129
5.2	201	1.2	260.5	6200	A203_ 260.5 S05 M05A4	120	A203_ 260.5 P63 BN63A4	121
5.4	192	3.1	248.1	12000	A353_ 248.1 S05 M05A4	128	A353_ 248.1 P63 BN63A4	129
5.5	189	2.0	244.3	9600	A303_ 244.3 S05 M05A4	124	A303_ 244.3 P63 BN63A4	125
6.0	172	3.5	223.2	12000	A353_ 223.2 S05 M05A4	128	A353_ 223.2 P63 BN63A4	129
6.1	171	1.5	221.3	6200	A203_ 221.3 S05 M05A4	120	A203_ 221.3 P63 BN63A4	121
6.2	167	2.2	216.6	9600	A303_ 216.6 S05 M05A4	124	A303_ 216.6 P63 BN63A4	125
6.8	154	1.6	199.2	6200	A203_ 199.2 S05 M05A4	120	A203_ 199.2 P63 BN63A4	121
6.8	153	2.3	198.5	9600	A303_ 198.5 S05 M05A4	124	A303_ 198.5 P63 BN63A4	125
7.6	138	2.5	178.5	9600	A303_ 178.5 S05 M05A4	124	A303_ 178.5 P63 BN63A4	125
7.6	138	1.8	178.3	6200	A203_ 178.3 S05 M05A4	120	A203_ 178.3 P63 BN63A4	121
8.3	126	1.9	163.4	6200	A203_ 163.4 S05 M05A4	120	A203_ 163.4 P63 BN63A4	121
8.4	125	2.7	161.4	9600	A303_ 161.4 S05 M05A4	124	A303_ 161.4 P63 BN63A4	125
9.0	116	2.8	150.7	9600	A303_ 150.7 S05 M05A4	124	A303_ 150.7 P63 BN63A4	125
9.2	113	2.0	146.1	6200	A203_ 146.1 S05 M05A4	120	A203_ 146.1 P63 BN63A4	121
9.8	106	3.0	137.4	9600	A303_ 137.4 S05 M05A4	124	A303_ 137.4 P63 BN63A4	125
10.5	100	2.2	129.1	6200	A203_ 129.1 S05 M05A4	120	A203_ 129.1 P63 BN63A4	121
11.2	93	2.3	120.5	6200	A203_ 120.5 S05 M05A4	120	A203_ 120.5 P63 BN63A4	121
11.2	93	3.2	120.5	9600	A303_ 120.5 S05 M05A4	124	A303_ 120.5 P63 BN63A4	125
12.4	84	2.4	109.2	6200	A203_ 109.2 S05 M05A4	120	A203_ 109.2 P63 BN63A4	121
14.6	74	2.7	92.3	6200	A202_ 92.3 S05 M05A4	120	A202_ 92.3 P63 BN63A4	121
14.7	73	1.4	91.6	4420	A052_ 91.6 S05 M05A4	113	A052_ 91.6 P63 BN63A4	113
14.7	73	1.8	91.6	5500	A102_ 91.6 S05 M05A4	116	A102_ 91.6 P63 BN63A4	117
16.9	64	3.3	79.9	6200	A202_ 79.9 S05 M05A4	120	A202_ 79.9 P63 BN63A4	121
17.7	61	1.6	76.4	4230	A052_ 76.4 S05 M05A4	113	A052_ 76.4 P63 BN63A4	113
17.7	61	2.5	76.4	5500	A102_ 76.4 S05 M05A4	116	A102_ 76.4 P63 BN63A4	117
20.5	53	1.9	65.9	4070	A052_ 65.9 S05 M05A4	113	A052_ 65.9 P63 BN63A4	113
20.5	53	2.8	65.9	5500	A102_ 65.9 S05 M05A4	116	A102_ 65.9 P63 BN63A4	117
23.0	47	2.1	58.6	3950	A052_ 58.6 S05 M05A4	113	A052_ 58.6 P63 BN63A4	113
23.0	47	3.2	58.6	5500	A102_ 58.6 S05 M05A4	116	A102_ 58.6 P63 BN63A4	117
26.3	41	2.4	51.3	3810	A052_ 51.3 S05 M05A4	113	A052_ 51.3 P63 BN63A4	113
29.7	36	2.8	45.4	3680	A052_ 45.4 S05 M05A4	113	A052_ 45.4 P63 BN63A4	113
33	33	3.1	40.9	3570	A052_ 40.9 S05 M05A4	113	A052_ 40.9 P63 BN63A4	113
38	28	3.6	35.1	3420	A052_ 35.1 S05 M05A4	113	A052_ 35.1 P63 BN63A4	113
42	26	3.9	32.2	3340	A052_ 32.2 S05 M05A4	113	A052_ 32.2 P63 BN63A4	113
47	23	4.4	28.6	3220	A052_ 28.6 S05 M05A4	113	A052_ 28.6 P63 BN63A4	113
53	20	4.9	25.5	3110	A052_ 25.5 S05 M05A4	113	A052_ 25.5 P63 BN63A4	113
57	19.0	5.3	23.8	3050	A052_ 23.8 S05 M05A4	113	A052_ 23.8 P63 BN63A4	113
62	17.3	5.8	13.9	2960	A052_ 13.9 S05 M05B6	113	A052_ 13.9 P63 BN63B6	113
63	17.1	5.9	21.4	2950	A052_ 21.4 S05 M05A4	113	A052_ 21.4 P63 BN63A4	113
73	14.8	6.7	18.6	2830	A052_ 18.6 S05 M05A4	113	A052_ 18.6 P63 BN63A4	113
82	13.1	7.6	16.4	2730	A052_ 16.4 S05 M05A4	113	A052_ 16.4 P63 BN63A4	113
90	11.9	8.4	9.6	2640	A052_ 9.6 S05 M05B6	113	A052_ 9.6 P63 BN63B6	113
97	11.1	9.0	13.9	2590	A052_ 13.9 S05 M05A4	113	A052_ 13.9 P63 BN63A4	113
110	9.8	10.2	12.3	2500	A052_ 12.3 S05 M05A4	113	A052_ 12.3 P63 BN63A4	113
121	8.9	11.2	7.2	2420	A052_ 7.2 S05 M05B6	113	A052_ 7.2 P63 BN63B6	113
128	8.4	11.9	10.6	2380	A052_ 10.6 S05 M05A4	113	A052_ 10.6 P63 BN63A4	113
140	7.7	13.0	9.6	2310	A052_ 9.6 S05 M05A4	113	A052_ 9.6 P63 BN63A4	113
159	6.8	14.7	8.5	2220	A052_ 8.5 S05 M05A4	113	A052_ 8.5 P63 BN63A4	113
187	5.8	17.4	7.2	2110	A052_ 7.2 S05 M05A4	113	A052_ 7.2 P63 BN63A4	113
213	5.1	19.8	6.3	2020	A052_ 6.3 S05 M05A4	113	A052_ 6.3 P63 BN63A4	113
247	4.4	21.8	5.5	1930	A052_ 5.5 S05 M05A4	113	A052_ 5.5 P63 BN63A4	113








0.18 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
0.52	2917	1.7	1715	50000	A704_ 1715 S1 M1SC6	148	A704_ 1715 P71 BN71A6	149
0.58	2649	3.0	1558	65000	A804_ 1558 S1 M1SC6	151	A804_ 1558 P71 BN71A6	152
0.67	2279	3.5	1340	65000	A804_ 1340 S1 M1SC6	151	A804_ 1340 P71 BN71A6	152
0.77	1989	2.5	1715	50000			A704_ 1715 P63 BN63B4	149
0.83	1836	2.7	1583	50000			A704_ 1583 P63 BN63B4	149
0.98	1561	3.2	1346	50000			A704_ 1346 P63 BN63B4	149
1.1	1441	3.5	1242	50000			A704_ 1242 P63 BN63B4	149
1.3	1186	2.4	697.3	30000	A604_ 697.3 S1 M1SC6	144	A604_ 697.3 P71 BN71A6	145
1.5	996	2.8	585.8	30000	A604_ 585.8 S1 M1SC6	144	A604_ 585.8 P71 BN71A6	145
1.7	902	1.7	778.2	20000			A504_ 778.2 P63 BN63B4	137
1.7	876	3.2	755.4	30000			A604_ 755.4 P63 BN63B4	145
1.9	821	1.8	707.9	20000			A504_ 707.9 P63 BN63B4	137
1.9	809	3.5	697.3	30000			A604_ 697.3 P63 BN63B4	145
2.1	732	2.0	631.2	20000			A504_ 631.2 P63 BN63B4	137
2.3	666	2.3	574.2	20000			A504_ 574.2 P63 BN63B4	137
2.5	614	2.4	529.5	20000			A504_ 529.5 P63 BN63B4	137
2.7	559	2.7	481.6	20000			A504_ 481.6 P63 BN63B4	137
3.0	518	2.9	446.8	20000			A504_ 446.8 P63 BN63B4	137
3.2	471	3.2	406.4	20000			A504_ 406.4 P63 BN63B4	137
3.4	466	1.0	393.2	12000	A353_ 393.2 S05 M05B4	128	A353_ 393.2 P63 BN63B4	129
3.5	447	1.9	376.8	15000	A413_ 376.8 S05 M05B4	132	A413_ 376.8 P63 BN63B4	133
3.6	424	3.5	365.6	20000			A504_ 365.6 P63 BN63B4	137
3.7	422	0.9	356.3	9600	A303_ 356.3 S05 M05B4	124	A303_ 356.3 P63 BN63B4	125
3.9	402	1.3	339.3	12000	A353_ 339.3 S05 M05B4	128	A353_ 339.3 P63 BN63B4	129
4.1	384	2.2	324.2	15000	A413_ 324.2 S05 M05B4	132	A413_ 324.2 P63 BN63B4	133
4.2	373	1.0	314.5	9600	A303_ 314.5 S05 M05B4	124	A303_ 314.5 P63 BN63B4	125
4.3	362	1.7	305.4	12000	A353_ 305.4 S05 M05B4	128	A353_ 305.4 P63 BN63B4	129
4.5	346	2.5	291.7	15000	A413_ 291.7 S05 M05B4	132	A413_ 291.7 P63 BN63B4	133
4.9	322	1.2	271.5	9600	A303_ 271.5 S05 M05B4	124	A303_ 271.5 P63 BN63B4	125
4.9	321	1.9	270.7	12000	A353_ 270.7 S05 M05B4	128	A353_ 270.7 P63 BN63B4	129
5.0	311	2.7	262.5	15000	A413_ 262.5 S05 M05B4	132	A413_ 262.5 P63 BN63B4	133
5.3	294	2.0	248.1	12000	A353_ 248.1 S05 M05B4	128	A353_ 248.1 P63 BN63B4	129
5.4	290	1.3	244.3	9600	A303_ 244.3 S05 M05B4	124	A303_ 244.3 P63 BN63B4	125
5.5	285	3.0	240.6	15000	A413_ 240.6 S05 M05B4	132	A413_ 240.6 P63 BN63B4	133
5.9	265	2.3	223.2	12000	A353_ 223.2 S05 M05B4	128	A353_ 223.2 P63 BN63B4	129
6.0	262	1.0	221.3	6200	A203_ 221.3 S05 M05B4	120	A203_ 221.3 P63 BN63B4	121
6.1	258	3.3	217.4	15000	A413_ 217.4 S05 M05B4	132	A413_ 217.4 P63 BN63B4	133
6.1	257	1.4	216.6	9600	A303_ 216.6 S05 M05B4	124	A303_ 216.6 P63 BN63B4	125
6.5	239	2.5	201.8	12000	A353_ 201.8 S05 M05B4	128	A353_ 201.8 P63 BN63B4	129
6.6	236	1.1	199.2	6200	A203_ 199.2 S05 M05B4	120	A203_ 199.2 P63 BN63B4	121
6.6	235	1.5	198.5	9600	A303_ 198.5 S05 M05B4	124	A303_ 198.5 P63 BN63B4	125
7.0	223	2.7	188.3	12000	A353_ 188.3 S05 M05B4	128	A353_ 188.3 P63 BN63B4	129
7.4	212	1.6	178.5	9600	A303_ 178.5 S05 M05B4	124	A303_ 178.5 P63 BN63B4	125
7.4	211	1.2	178.3	6200	A203_ 178.3 S05 M05B4	120	A203_ 178.3 P63 BN63B4	121
7.7	204	2.9	171.8	12000	A353_ 171.8 S05 M05B4	128	A353_ 171.8 P63 BN63B4	129
8.1	194	1.2	163.4	6200	A203_ 163.4 S05 M05B4	120	A203_ 163.4 P63 BN63B4	121
8.2	191	1.8	161.4	9600	A303_ 161.4 S05 M05B4	124	A303_ 161.4 P63 BN63B4	125
8.8	179	1.8	150.7	9600	A303_ 150.7 S05 M05B4	124	A303_ 150.7 P63 BN63B4	125
8.8	179	3.4	150.6	12000	A353_ 150.6 S05 M05B4	128	A353_ 150.6 P63 BN63B4	129
9.0	173	1.3	146.1	6200	A203_ 146.1 S05 M05B4	120	A203_ 146.1 P63 BN63B4	121
9.6	163	1.9	137.4	9600	A303_ 137.4 S05 M05B4	124	A303_ 137.4 P63 BN63B4	125
10.2	153	1.4	129.1	6200	A203_ 129.1 S05 M05B4	120	A203_ 129.1 P63 BN63B4	121
11.0	143	1.5	120.5	6200	A203_ 120.5 S05 M05B4	120	A203_ 120.5 P63 BN63B4	121
11.0	143	2.1	120.5	9600	A303_ 120.5 S05 M05B4	124	A303_ 120.5 P63 BN63B4	125
12.1	129	1.6	109.2	6200	A203_ 109.2 S05 M05B4	120	A203_ 109.2 P63 BN63B4	121
12.1	129	2.3	109.1	9600	A303_ 109.1 S05 M05B4	124	A303_ 109.1 P63 BN63B4	125
13.5	119	2.5	97.5	9600			A302_ 97.5 P63 BN63B4	125
14.3	113	1.8	92.3	6200	A202_ 92.3 S05 M05B4	120	A202_ 92.3 P63 BN63B4	121
14.4	112	0.9	91.6	4120	A052_ 91.6 S05 M05B4	113	A052_ 91.6 P63 BN63B4	113
14.4	112	1.2	91.6	5500	A102_ 91.6 S05 M05B4	116	A102_ 91.6 P63 BN63B4	117
15.2	106	3.0	86.7	9600			A302_ 86.7 P63 BN63B4	125
16.5	98	2.1	79.9	6200	A202_ 79.9 S05 M05B4	120	A202_ 79.9 P63 BN63B4	121
17.3	94	1.1	76.4	3980	A052_ 76.4 S05 M05B4	113	A052_ 76.4 P63 BN63B4	113
17.3	94	1.6	76.4	5500	A102_ 76.4 S05 M05B4	116	A102_ 76.4 P63 BN63B4	117
18.6	87	2.4	71.0	6200	A202_ 71.0 S05 M05B4	120	A202_ 71.0 P63 BN63B4	121

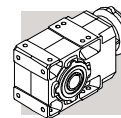


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n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
20.0	81	1.2	65.9	3860	A052_ 65.9 S05 M05B4	113	A052_ 65.9 P63 BN63B4	113
20.0	81	1.9	65.9	5500	A102_ 65.9 S05 M05B4	116	A102_ 65.9 P63 BN63B4	117
20.9	77	3.2	63.1	6200	A202_ 63.1 S05 M05B4	120	A202_ 63.1 P63 BN63B4	121
22.5	72	1.4	58.6	3760	A052_ 58.6 S05 M05B4	113	A052_ 58.6 P63 BN63B4	113
22.5	72	2.1	58.6	5500	A102_ 58.6 S05 M05B4	116	A102_ 58.6 P63 BN63B4	117
25.8	63	1.6	51.3	3640	A052_ 51.3 S05 M05B4	113	A052_ 51.3 P63 BN63B4	113
25.8	63	2.4	51.3	5500	A102_ 51.3 S05 M05B4	116	A102_ 51.3 P63 BN63B4	117
29.1	56	1.8	45.4	3540	A052_ 45.4 S05 M05B4	113	A052_ 45.4 P63 BN63B4	113
29.1	56	2.7	45.4	5500	A102_ 45.4 S05 M05B4	116	A102_ 45.4 P63 BN63B4	117
32	50	2.0	40.9	3440	A052_ 40.9 S05 M05B4	113	A052_ 40.9 P63 BN63B4	113
32	50	3.0	40.9	5500	A102_ 40.9 S05 M05B4	116	A102_ 40.9 P63 BN63B4	117
38	43	2.3	35.1	3310	A052_ 35.1 S05 M05B4	113	A052_ 35.1 P63 BN63B4	113
38	43	3.5	35.1	5380	A102_ 35.1 S05 M05B4	116	A102_ 35.1 P63 BN63B4	117
41	39	2.5	32.2	3240	A052_ 32.2 S05 M05B4	113	A052_ 32.2 P63 BN63B4	113
46	35	2.9	28.6	3130	A052_ 28.6 S05 M05B4	113	A052_ 28.6 P63 BN63B4	113
52	31	3.2	25.5	3040	A052_ 25.5 S05 M05B4	113	A052_ 25.5 P63 BN63B4	113
56	29	3.4	23.8	2980	A052_ 23.8 S05 M05B4	113	A052_ 23.8 P63 BN63B4	113
62	26	3.8	21.4	2890	A052_ 21.4 S05 M05B4	113	A052_ 21.4 P63 BN63B4	113
71	23	4.4	18.6	2780	A052_ 18.6 S05 M05B4	113	A052_ 18.6 P63 BN63B4	113
80	20	5.0	16.4	2680	A052_ 16.4 S05 M05B4	113	A052_ 16.4 P63 BN63B4	113
95	17.1	5.9	13.9	2550	A052_ 13.9 S05 M05B4	113	A052_ 13.9 P63 BN63B4	113
107	15.1	6.6	12.3	2460	A052_ 12.3 S05 M05B4	113	A052_ 12.3 P63 BN63B4	113
125	12.9	7.7	10.6	2350	A052_ 10.6 S05 M05B4	113	A052_ 10.6 P63 BN63B4	113
137	11.8	8.5	9.6	2280	A052_ 9.6 S05 M05B4	113	A052_ 9.6 P63 BN63B4	113
142	11.4	8.8	6.3	2300	A052_ 6.3 S1 M1SC6	113	A052_ 6.3 P71 BN71A6	113
155	10.4	9.6	8.5	2200	A052_ 8.5 S05 M05B4	113	A052_ 8.5 P63 BN63B4	113
183	8.8	11.3	7.2	2090	A052_ 7.2 S05 M05B4	113	A052_ 7.2 P63 BN63B4	113
208	7.8	12.9	6.3	2010	A052_ 6.3 S05 M05B4	113	A052_ 6.3 P63 BN63B4	113
242	6.7	14.2	5.5	1920	A052_ 5.5 S05 M05B4	113	A052_ 5.5 P63 BN63B4	113
284	5.7	16.7	9.6	1830	A052_ 9.6 S05 M05A2	113	A052_ 9.6 P63 BN63A2	113
321	5.0	17.8	8.5	1770	A052_ 8.5 S05 M05A2	113	A052_ 8.5 P63 BN63A2	113
379	4.3	19.9	7.2	1670	A052_ 7.2 S05 M05A2	113	A052_ 7.2 P63 BN63A2	113
431	3.8	21.3	6.3	1610	A052_ 6.3 S05 M05A2	113	A052_ 6.3 P63 BN63A2	113
499	3.2	23.2	5.5	1530	A052_ 5.5 S05 M05A2	113	A052_ 5.5 P63 BN63A2	113

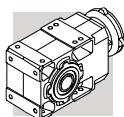
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0.52	4051	1.2	1715	50000	A704_ 1715 S1 M1SD6	148	A704_ 1715 P71 BN71B6	149
0.58	3680	2.2	1558	65000	A804_ 1558 S1 M1SD6	151	A804_ 1558 P71 BN71B6	152
0.67	3165	2.5	1340	65000	A804_ 1340 S1 M1SD6	151	A804_ 1340 P71 BN71B6	152
0.80	2642	1.9	1715	50000			A704_ 1715 P71 BN71A4	149
0.87	2439	2.1	1583	50000			A704_ 1583 P71 BN71A4	149
0.89	2400	3.3	1558	65000			A804_ 1558 P71 BN71A4	152
1.00	2073	2.4	1346	50000			A704_ 1346 P71 BN71A4	149
1.1	1914	2.6	1242	50000			A704_ 1242 P71 BN71A4	149
1.2	1789	2.8	1161	50000			A704_ 1161 P71 BN71A4	149
1.3	1652	3.0	1072	50000			A704_ 1072 P71 BN71A4	149
1.5	1427	3.5	926.5	50000			A704_ 926.5 P71 BN71A4	149
1.8	1199	1.3	778.2	20000			A504_ 778.2 P71 BN71A4	137
1.8	1164	2.4	755.4	30000			A604_ 755.4 P71 BN71A4	145
1.9	1091	1.4	707.9	20000			A504_ 707.9 P71 BN71A4	137
2.0	1074	2.6	697.3	30000			A604_ 697.3 P71 BN71A4	145
2.2	978	2.9	634.6	30000			A604_ 634.6 P71 BN71A4	145
2.2	972	1.5	631.2	20000			A504_ 631.2 P71 BN71A4	137
2.4	902	3.1	585.8	30000			A604_ 585.8 P71 BN71A4	145
2.4	885	1.7	574.2	20000			A504_ 574.2 P71 BN71A4	137
2.5	835	3.4	542.0	30000			A604_ 542.0 P71 BN71A4	145
2.6	816	1.8	529.5	20000			A504_ 529.5 P71 BN71A4	137
2.9	742	2.0	481.6	20000			A504_ 481.6 P71 BN71A4	137








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n_2 min ⁻¹	M ₂ Nm	S	i	R _{n2} N				
3.1	688	2.2	446.8	20000			A504_ 446.8 P71 BN71A4	137
3.4	626	2.4	406.4	20000			A504_ 406.4 P71 BN71A4	137
3.6	611	1.4	376.8	15000	A413_ 376.8 S05 M05C4	132	A413_ 376.8 P71 BN71A4	133
3.8	563	2.7	365.6	20000			A504_ 365.6 P71 BN71A4	137
3.9	550	0.9	339.3	12000	A353_ 339.3 S05 M05C4	128	A353_ 339.3 P71 BN71A4	129
4.1	526	1.6	324.2	15000	A413_ 324.2 S05 M05C4	132	A413_ 324.2 P71 BN71A4	133
4.1	512	2.9	332.6	20000			A504_ 332.6 P71 BN71A4	137
4.4	495	1.2	305.4	12000	A353_ 305.4 S05 M05C4	128	A353_ 305.4 P71 BN71A4	129
4.7	460	1.8	291.7	15000	A413_ 291.7 S05 M05C4	132	A413_ 291.7 P71 BN71A4	133
4.8	442	3.4	286.8	20000			A504_ 286.8 P71 BN71A4	137
4.9	440	0.9	271.5	9600	A303_ 271.5 S05 M05C4	124	A303_ 271.5 P71 BN71A4	125
5.0	439	1.4	270.7	12000	A353_ 270.7 S05 M05C4	128	A353_ 270.7 P71 BN71A4	129
5.1	426	2.0	262.5	15000	A413_ 262.5 S05 M05C4	132	A413_ 262.5 P71 BN71A4	133
5.4	403	1.5	248.1	12000	A353_ 248.1 S05 M05C4	128	A353_ 248.1 P71 BN71A4	129
5.6	385	1.0	244.3	9600	A303_ 244.3 S05 M05C4	124	A303_ 244.3 P71 BN71A4	125
5.7	379	2.2	240.6	15000	A413_ 240.6 S05 M05C4	132	A413_ 240.6 P71 BN71A4	133
6.0	362	1.7	223.2	12000	A353_ 223.2 S05 M05C4	128	A353_ 223.2 P71 BN71A4	129
6.2	353	2.4	217.4	15000	A413_ 217.4 S05 M05C4	132	A413_ 217.4 P71 BN71A4	133
6.2	351	1.0	216.6	9600	A303_ 216.6 S05 M05C4	124	A303_ 216.6 P71 BN71A4	125
6.6	327	1.8	201.8	12000	A353_ 201.8 S05 M05C4	128	A353_ 201.8 P71 BN71A4	129
7.0	313	1.1	198.5	9600	A303_ 198.5 S05 M05C4	124	A303_ 198.5 P71 BN71A4	125
7.0	311	2.7	197.5	15000	A413_ 197.5 S05 M05C4	132	A413_ 197.5 P71 BN71A4	133
7.1	306	2.0	188.3	12000	A353_ 188.3 S05 M05C4	128	A353_ 188.3 P71 BN71A4	129
7.3	299	2.8	184.4	15000	A413_ 184.4 S05 M05C4	132	A413_ 184.4 P71 BN71A4	133
7.5	290	1.2	178.5	9600	A303_ 178.5 S05 M05C4	124	A303_ 178.5 P71 BN71A4	125
7.8	279	2.2	171.8	12000	A353_ 171.8 S05 M05C4	128	A353_ 171.8 P71 BN71A4	129
8.4	257	0.9	163.4	6200	A203_ 163.4 S05 M05C4	120	A203_ 163.4 P71 BN71A4	121
8.5	254	1.3	161.4	9600	A303_ 161.4 S05 M05C4	124	A303_ 161.4 P71 BN71A4	125
8.9	244	1.4	150.7	9600	A303_ 150.7 S05 M05C4	124	A303_ 150.7 P71 BN71A4	125
8.9	244	2.5	150.6	12000	A353_ 150.6 S05 M05C4	128	A353_ 150.6 P71 BN71A4	129
9.2	237	1.0	146.1	6200	A203_ 146.1 S05 M05C4	120	A203_ 146.1 P71 BN71A4	121
9.8	221	2.6	136.3	12000	A353_ 136.3 S05 M05C4	128	A353_ 136.3 P71 BN71A4	129
10.0	216	1.5	137.4	9600	A303_ 137.4 S05 M05C4	124	A303_ 137.4 P71 BN71A4	125
10.7	203	1.1	129.1	6200	A203_ 129.1 S05 M05C4	120	A203_ 129.1 P71 BN71A4	121
11.1	196	1.1	120.5	6200	A203_ 120.5 S05 M05C4	120	A203_ 120.5 P71 BN71A4	121
11.1	195	1.5	120.5	9600	A303_ 120.5 S05 M05C4	124	A303_ 120.5 P71 BN71A4	125
11.5	190	3.0	116.9	12000	A353_ 116.9 S05 M05C4	128	A353_ 116.9 P71 BN71A4	129
12.6	172	1.2	109.2	6200	A203_ 109.2 S05 M05C4	120	A203_ 109.2 P71 BN71A4	121
12.7	172	1.7	109.1	9600	A303_ 109.1 S05 M05C4	124	A303_ 109.1 P71 BN71A4	125
12.7	171	3.1	105.5	12000	A353_ 105.5 S05 M05C4	128	A353_ 105.5 P71 BN71A4	129
14.2	159	1.9	97.5	9600			A302_ 97.5 P71 BN71A4	125
14.4	156	3.5	95.6	12000			A352_ 95.6 P71 BN71A4	129
14.5	155	1.3	92.3	6200	A202_ 92.3 S05 M05C4	120	A202_ 92.3 P71 BN71A4	121
15.9	141	2.3	86.7	9600			A302_ 86.7 P71 BN71A4	125
16.8	134	1.6	79.9	6200	A202_ 79.9 S05 M05C4	120	A202_ 79.9 P71 BN71A4	121
17.5	128	1.2	76.4	5500	A102_ 76.4 S05 M05C4	116	A102_ 76.4 P71 BN71A4	117
18.0	125	2.8	76.5	9600			A302_ 76.5 P71 BN71A4	125
19.4	116	1.8	71.0	6200	A202_ 71.0 S05 M05C4	120	A202_ 71.0 P71 BN71A4	121
20.3	110	0.9	65.9	3610	A052_ 65.9 S05 M05C4	113	A052_ 65.9 P71 BN71A4	113
20.3	110	1.4	65.9	5500	A102_ 65.9 S05 M05C4	116	A102_ 65.9 P71 BN71A4	117
21.2	106	2.3	63.1	6200	A202_ 63.1 S05 M05C4	120	A202_ 63.1 P71 BN71A4	121
22.9	98	1.0	58.6	3540	A052_ 58.6 S05 M05C4	113	A052_ 58.6 P71 BN71A4	113
23.5	95	1.6	58.6	5500	A102_ 58.6 S05 M05C4	116	A102_ 58.6 P71 BN71A4	117
25.0	90	2.8	53.7	6200	A202_ 53.7 S05 M05C4	120	A202_ 53.7 P71 BN71A4	121
26.1	86	1.2	51.3	3450	A052_ 51.3 S05 M05C4	113	A052_ 51.3 P71 BN71A4	113
26.1	86	1.7	51.3	5500	A102_ 51.3 S05 M05C4	116	A102_ 51.3 P71 BN71A4	117
28.6	79	3.2	48.3	6180	A202_ 48.3 S05 M05C4	120	A202_ 48.3 P71 BN71A4	121
29.5	76	1.3	45.4	3370	A052_ 45.4 S05 M05C4	113	A052_ 45.4 P71 BN71A4	113
29.5	76	2.0	45.4	5500	A102_ 45.4 S05 M05C4	116	A102_ 45.4 P71 BN71A4	117

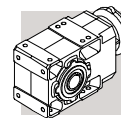


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

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
33	68	1.5	40.9	3290	A052_ 40.9 S05 M05C4	113	A052_ 40.9 P71 BN71A4	113
34	66	2.3	40.9	5500	A102_ 40.9 S05 M05C4	116	A102_ 40.9 P71 BN71A4	117
38	59	1.7	35.1	3180	A052_ 35.1 S05 M05C4	113	A052_ 35.1 P71 BN71A4	113
38	59	2.5	35.1	5260	A102_ 35.1 S05 M05C4	116	A102_ 35.1 P71 BN71A4	117
42	54	1.9	32.2	3120	A052_ 32.2 S05 M05C4	113	A052_ 32.2 P71 BN71A4	113
43	52	2.9	32.2	5500	A102_ 32.2 S05 M05C4	116	A102_ 32.2 P71 BN71A4	117
47	48	2.1	28.6	3030	A052_ 28.6 S05 M05C4	113	A052_ 28.6 P71 BN71A4	113
47	48	3.1	28.6	4970	A102_ 28.6 S05 M05C4	116	A102_ 28.6 P71 BN71A4	117
53	43	2.3	25.5	2940	A052_ 25.5 S05 M05C4	113	A052_ 25.5 P71 BN71A4	113
56	40	2.5	23.8	2890	A052_ 23.8 S05 M05C4	113	A052_ 23.8 P71 BN71A4	113
63	36	2.8	21.4	2810	A052_ 21.4 S05 M05C4	113	A052_ 21.4 P71 BN71A4	113
72	31	3.2	18.6	2710	A052_ 18.6 S05 M05C4	113	A052_ 18.6 P71 BN71A4	113
84	27	3.7	16.4	2620	A052_ 16.4 S05 M05C4	113	A052_ 16.4 P71 BN71A4	113
99	23	4.4	13.9	2500	A052_ 13.9 S05 M05C4	113	A052_ 13.9 P71 BN71A4	113
112	20	5.0	12.3	2420	A052_ 12.3 S05 M05C4	113	A052_ 12.3 P71 BN71A4	113
131	17.2	5.8	10.6	2310	A052_ 10.6 S05 M05C4	113	A052_ 10.6 P71 BN71A4	113
144	15.7	6.4	9.6	2260	A052_ 9.6 S05 M05C4	113	A052_ 9.6 P71 BN71A4	113
162	13.9	7.2	8.5	2180	A052_ 8.5 S05 M05C4	113	A052_ 8.5 P71 BN71A4	113
191	11.7	8.5	7.2	2070	A052_ 7.2 S05 M05C4	113	A052_ 7.2 P71 BN71A4	113
218	10.3	9.7	6.3	1990	A052_ 6.3 S05 M05C4	113	A052_ 6.3 P71 BN71A4	113
252	8.9	10.7	5.5	1900	A052_ 5.5 S05 M05C4	113	A052_ 5.5 P71 BN71A4	113
285	7.9	12.1	9.6	1820	A052_ 9.6 S05 M05B2	113	A052_ 9.6 P63 BN63B2	113
322	7.0	12.9	8.5	1750	A052_ 8.5 S05 M05B2	113	A052_ 8.5 P63 BN63B2	113
380	5.9	14.4	7.2	1660	A052_ 7.2 S05 M05B2	113	A052_ 7.2 P63 BN63B2	113
433	5.2	15.4	6.3	1590	A052_ 6.3 S05 M05B2	113	A052_ 6.3 P63 BN63B2	113
501	4.5	16.7	5.5	1520	A052_ 5.5 S05 M05B2	113	A052_ 5.5 P63 BN63B2	113

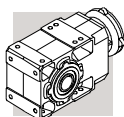
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0.56	5644	2.5	1632	75000	A904_ 1632 S1 M1LA6	154	A904_ 1632 P80 BN80A6	155
0.63	4972	1.6	1438	65000	A804_ 1438 S1 M1LA6	151	A804_ 1438 P80 BN80A6	152
0.74	4226	3.3	1222	75000	A904_ 1222 S1 M1LA6	154	A904_ 1222 P80 BN80A6	155
0.80	3939	1.3	1715	50000	A704_ 1715 S1 M1SD4	148	A704_ 1715 P71 BN71B4	149
0.87	3636	1.4	1583	50000	A704_ 1583 S1 M1SD4	148	A704_ 1583 P71 BN71B4	149
0.88	3577	2.2	1558	65000	A804_ 1558 S1 M1SD4	151	A804_ 1558 P71 BN71B4	152
0.95	3302	2.4	1438	65000	A804_ 1438 S1 M1SD4	151	A804_ 1438 P71 BN71B4	152
1.00	3091	1.6	1346	50000	A704_ 1346 S1 M1SD4	148	A704_ 1346 P71 BN71B4	149
1.00	3077	2.6	1340	65000	A804_ 1340 S1 M1SD4	151	A804_ 1340 P71 BN71B4	152
1.1	2853	1.8	1242	50000	A704_ 1242 S1 M1SD4	148	A704_ 1242 P71 BN71B4	149
1.1	2841	2.8	1237	65000	A804_ 1237 S1 M1SD4	151	A804_ 1237 P71 BN71B4	152
1.2	2668	1.9	1161	50000	A704_ 1161 S1 M1SD4	148	A704_ 1161 P71 BN71B4	149
1.3	2492	3.2	1085	65000	A804_ 1085 S1 M1SD4	151	A804_ 1085 P71 BN71B4	152
1.3	2462	2.0	1072	50000	A704_ 1072 S1 M1SD4	148	A704_ 1072 P71 BN71B4	149
1.4	2300	3.5	1001	65000	A804_ 1001 S1 M1SD4	151	A804_ 1001 P71 BN71B4	152
1.5	2128	2.3	926.5	50000	A704_ 926.5 S1 M1SD4	148	A704_ 926.5 P71 BN71B4	149
1.6	1964	2.5	855.3	50000	A704_ 855.3 S1 M1SD4	148	A704_ 855.3 P71 BN71B4	149
1.8	1754	2.8	763.9	50000	A704_ 763.9 S1 M1SD4	148	A704_ 763.9 P71 BN71B4	149
1.8	1735	1.6	755.4	30000	A604_ 755.4 S1 M1SD4	144	A604_ 755.4 P71 BN71B4	145
1.9	1626	0.9	707.9	20000	A504_ 707.9 S1 M1SD4	136	A504_ 707.9 P71 BN71B4	137
1.9	1619	3.1	705.1	50000	A704_ 705.1 S1 M1SD4	148	A704_ 705.1 P71 BN71B4	149
2.0	1601	1.7	697.3	30000	A604_ 697.3 S1 M1SD4	144	A604_ 697.3 P71 BN71B4	145
2.1	1481	3.4	644.6	50000	A704_ 644.6 S1 M1SD4	148	A704_ 644.6 P71 BN71B4	149
2.2	1457	1.9	634.6	30000	A604_ 634.6 S1 M1SD4	144	A604_ 634.6 P71 BN71B4	145
2.2	1450	1.0	631.2	20000	A504_ 631.2 S1 M1SD4	136	A504_ 631.2 P71 BN71B4	137
2.3	1345	2.1	585.8	30000	A604_ 585.8 S1 M1SD4	144	A604_ 585.8 P71 BN71B4	145
2.4	1319	1.1	574.2	20000	A504_ 574.2 S1 M1SD4	136	A504_ 574.2 P71 BN71B4	137
2.5	1245	2.2	542.0	30000	A604_ 542.0 S1 M1SD4	144	A604_ 542.0 P71 BN71B4	145
2.6	1216	1.2	529.5	20000	A504_ 529.5 S1 M1SD4	136	A504_ 529.5 P71 BN71B4	137
2.7	1149	2.4	500.3	30000	A604_ 500.3 S1 M1SD4	144	A604_ 500.3 P71 BN71B4	145








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n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
2.8	1106	1.4	481.6	20000	A504_ 481.6 S1 M1SD4	136	A504_ 481.6 P71 BN71B4	137
3.1	1026	1.5	446.8	20000	A504_ 446.8 S1 M1SD4	136	A504_ 446.8 P71 BN71B4	137
3.1	1007	2.8	438.4	30000	A604_ 438.4 S1 M1SD4	144	A604_ 438.4 P71 BN71B4	145
3.4	933	1.6	406.4	20000	A504_ 406.4 S1 M1SD4	136	A504_ 406.4 P71 BN71B4	137
3.4	929	3.0	404.7	30000	A604_ 404.7 S1 M1SD4	144	A604_ 404.7 P71 BN71B4	145
3.6	885	1.0	376.8	15000	A413_ 376.8 S1 M1SD4	132	A413_ 376.8 P71 BN71B4	133
3.7	840	1.8	365.6	20000	A504_ 365.6 S1 M1SD4	136	A504_ 365.6 P71 BN71B4	137
3.9	807	3.5	351.2	30000	A604_ 351.2 S1 M1SD4	144	A604_ 351.2 P71 BN71B4	145
4.1	764	2.0	332.6	20000	A504_ 332.6 S1 M1SD4	136	A504_ 332.6 P71 BN71B4	137
4.2	761	1.1	324.2	15000	A413_ 324.2 S1 M1SD4	132	A413_ 324.2 P71 BN71B4	133
4.7	685	1.2	291.7	15000	A413_ 291.7 S1 M1SD4	132	A413_ 291.7 P71 BN71B4	133
4.8	659	2.3	286.8	20000	A504_ 286.8 S1 M1SD4	136	A504_ 286.8 P71 BN71B4	137
5.1	636	0.9	270.7	12000	A353_ 270.7 S1 M1SD4	128	A353_ 270.7 P71 BN71B4	129
5.2	616	1.4	262.5	15000	A413_ 262.5 S1 M1SD4	132	A413_ 262.5 P71 BN71B4	133
5.3	599	2.5	260.9	20000	A504_ 260.9 S1 M1SD4	136	A504_ 260.9 P71 BN71B4	137
5.5	583	1.0	248.1	12000	A353_ 248.1 S1 M1SD4	128	A353_ 248.1 P71 BN71B4	129
5.7	565	1.5	240.6	15000	A413_ 240.6 S1 M1SD4	132	A413_ 240.6 P71 BN71B4	133
5.9	533	2.8	232.0	20000	A504_ 232.0 S1 M1SD4	136	A504_ 232.0 P71 BN71B4	137
6.1	524	1.1	223.2	12000	A353_ 223.2 S1 M1SD4	128	A353_ 223.2 P71 BN71B4	129
6.3	511	1.7	217.4	15000	A413_ 217.4 S1 M1SD4	132	A413_ 217.4 P71 BN71B4	133
6.5	485	3.1	211.0	20000	A504_ 211.0 S1 M1SD4	136	A504_ 211.0 P71 BN71B4	137
6.8	474	1.3	201.8	12000	A353_ 201.8 S1 M1SD4	128	A353_ 201.8 P71 BN71B4	129
6.9	464	1.8	197.5	15000	A413_ 197.5 S1 M1SD4	132	A413_ 197.5 P71 BN71B4	133
7.2	448	3.4	190.6	20000	A503_ 190.6 S1 M1SD4	136	A503_ 190.6 P71 BN71B4	137
7.3	442	1.4	188.3	12000	A353_ 188.3 S1 M1SD4	128	A353_ 188.3 P71 BN71B4	129
7.4	433	2.0	184.4	15000	A413_ 184.4 S1 M1SD4	132	A413_ 184.4 P71 BN71B4	133
8.0	403	1.5	171.8	12000	A353_ 171.8 S1 M1SD4	128	A353_ 171.8 P71 BN71B4	129
9.1	354	0.9	150.7	9600	A303_ 150.7 S1 M1SD4	124	A303_ 150.7 P71 BN71B4	125
9.1	354	1.7	150.6	12000	A353_ 150.6 S1 M1SD4	128	A353_ 150.6 P71 BN71B4	129
9.3	345	2.5	146.9	15000	A413_ 146.9 S1 M1SD4	132	A413_ 146.9 P71 BN71B4	133
10.0	323	1.0	137.4	9600	A303_ 137.4 S1 M1SD4	124	A303_ 137.4 P71 BN71B4	125
10.0	320	1.8	136.3	12000	A353_ 136.3 S1 M1SD4	128	A353_ 136.3 P71 BN71B4	129
11.4	283	1.1	120.5	9600	A303_ 120.5 S1 M1SD4	124	A303_ 120.5 P71 BN71B4	125
11.7	275	2.0	116.9	12000	A353_ 116.9 S1 M1SD4	128	A353_ 116.9 P71 BN71B4	129
11.8	272	3.1	115.9	15000	A413_ 115.9 S1 M1SD4	132	A413_ 115.9 P71 BN71B4	133
12.6	256	1.2	109.1	9600	A303_ 109.1 S1 M1SD4	124	A303_ 109.1 P71 BN71B4	125
13.0	248	2.1	105.5	12000	A353_ 105.5 S1 M1SD4	128	A353_ 105.5 P71 BN71B4	129
14.1	237	1.3	97.5	9600	A302_ 97.5 S1 M1SD4	124	A302_ 97.5 P71 BN71B4	125
14.3	232	2.3	95.6	12000	A352_ 95.6 S1 M1SD4	128	A352_ 95.6 P71 BN71B4	129
15.8	210	1.5	86.7	9600	A302_ 86.7 S1 M1SD4	124	A302_ 86.7 P71 BN71B4	125
16.6	200	3.0	82.5	12000	A352_ 82.5 S1 M1SD4	128	A352_ 82.5 P71 BN71B4	129
17.2	194	1.1	79.9	6200	A202_ 79.9 S1 M1SD4	120	A202_ 79.9 P71 BN71B4	121
17.9	186	1.9	76.5	9600	A302_ 76.5 S1 M1SD4	124	A302_ 76.5 P71 BN71B4	125
18.4	180	3.3	74.3	12000	A352_ 74.3 S1 M1SD4	128	A352_ 74.3 P71 BN71B4	129
19.3	172	1.2	71.0	6200	A202_ 71.0 S1 M1SD4	120	A202_ 71.0 P71 BN71B4	121
20.7	160	2.4	66.0	9350	A302_ 66.0 S1 M1SD4	124	A302_ 66.0 P71 BN71B4	125
20.8	160	0.9	65.9	5500	A102_ 65.9 S1 M1SD4	116	A102_ 65.9 P71 BN71B4	117
21.7	153	1.6	63.1	6200	A202_ 63.1 S1 M1SD4	120	A202_ 63.1 P71 BN71B4	121
23.1	144	2.8	59.4	9080	A302_ 59.4 S1 M1SD4	124	A302_ 59.4 P71 BN71B4	125
23.4	142	1.1	58.6	5500	A102_ 58.6 S1 M1SD4	116	A102_ 58.6 P71 BN71B4	117
25.5	130	1.9	53.7	6090	A202_ 53.7 S1 M1SD4	120	A202_ 53.7 P71 BN71B4	121
26.0	128	3.2	52.7	8790	A302_ 52.7 S1 M1SD4	124	A302_ 52.7 P71 BN71B4	125
26.7	124	1.2	51.3	5490	A102_ 51.3 S1 M1SD4	116	A102_ 51.3 P71 BN71B4	117
28.4	117	2.1	48.3	5940	A202_ 48.3 S1 M1SD4	120	A202_ 48.3 P71 BN71B4	121
28.4	117	3.5	48.3	8580	A302_ 48.3 S1 M1SD4	124	A302_ 48.3 P71 BN71B4	125
30.0	110	0.9	45.4	3060	A052_ 45.4 S1 M1SD4	113	A052_ 45.4 P71 BN71B4	113
30.0	110	1.4	45.4	5350	A102_ 45.4 S1 M1SD4	116	A102_ 45.4 P71 BN71B4	117
32	105	2.4	43.2	5780	A202_ 43.2 S1 M1SD4	120	A202_ 43.2 P71 BN71B4	121
34	99	1.0	40.9	3020	A052_ 40.9 S1 M1SD4	113	A052_ 40.9 P71 BN71B4	113
34	99	1.5	40.9	5500	A102_ 40.9 S1 M1SD4	116	A102_ 40.9 P71 BN71B4	117
35	96	2.6	39.6	5650	A202_ 39.6 S1 M1SD4	120	A202_ 39.6 P71 BN71B4	121
39	86	2.9	35.4	5480	A202_ 35.4 S1 M1SD4	120	A202_ 35.4 P71 BN71B4	121
39	85	1.2	35.1	2950	A052_ 35.1 S1 M1SD4	113	A052_ 35.1 P71 BN71B4	113
39	85	1.8	35.1	5040	A102_ 35.1 S1 M1SD4	116	A102_ 35.1 P71 BN71B4	117
43	78	1.3	32.2	2900	A052_ 32.2 S1 M1SD4	113	A052_ 32.2 P71 BN71B4	113

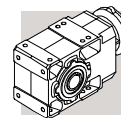


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

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
43	78	1.9	32.2	5500	A102_ 32.2 S1 M1SD4	116	A102_ 32.2 P71 BN71B4	117
44	76	3.3	31.3	5310	A202_ 31.3 S1 M1SD4	120	A202_ 31.3 P71 BN71B4	121
47	71	3.5	29.2	5210	A202_ 29.2 S1 M1SD4	120	A202_ 29.2 P71 BN71B4	121
48	69	1.4	28.6	2840	A052_ 28.6 S1 M1SD4	113	A052_ 28.6 P71 BN71B4	113
48	69	2.2	28.6	4790	A102_ 28.6 S1 M1SD4	116	A102_ 28.6 P71 BN71B4	117
54	62	1.6	25.5	2770	A052_ 25.5 S1 M1SD4	113	A052_ 25.5 P71 BN71B4	113
54	62	2.4	25.5	5500	A102_ 25.5 S1 M1SD4	116	A102_ 25.5 P71 BN71B4	117
58	58	1.7	23.8	2730	A052_ 23.8 S1 M1SD4	113	A052_ 23.8 P71 BN71B4	113
58	58	2.6	23.8	4570	A102_ 23.8 S1 M1SD4	116	A102_ 23.8 P71 BN71B4	117
64	52	1.9	21.4	2670	A052_ 21.4 S1 M1SD4	113	A052_ 21.4 P71 BN71B4	113
64	52	2.9	21.4	5270	A102_ 21.4 S1 M1SD4	116	A102_ 21.4 P71 BN71B4	117
74	45	2.2	18.6	2590	A052_ 18.6 S1 M1SD4	113	A052_ 18.6 P71 BN71B4	113
74	45	3.3	18.6	4270	A102_ 18.6 S1 M1SD4	116	A102_ 18.6 P71 BN71B4	117
83	40	2.5	16.4	2510	A052_ 16.4 S1 M1SD4	113	A052_ 16.4 P71 BN71B4	113
98	34	3.0	13.9	2410	A052_ 13.9 S1 M1SD4	113	A052_ 13.9 P71 BN71B4	113
111	30	3.3	12.3	2350	A052_ 12.3 S1 M1SD4	113	A052_ 12.3 P71 BN71B4	113
130	26	3.9	10.6	2240	A052_ 10.6 S1 M1SD4	113	A052_ 10.6 P71 BN71B4	113
142	23	4.3	9.6	2190	A052_ 9.6 S1 M1SD4	113	A052_ 9.6 P71 BN71B4	113
161	21	4.8	8.5	2120	A052_ 8.5 S1 M1SD4	113	A052_ 8.5 P71 BN71B4	113
190	17.5	5.7	7.2	2030	A052_ 7.2 S1 M1SD4	113	A052_ 7.2 P71 BN71B4	113
216	15.4	6.5	6.3	1950	A052_ 6.3 S1 M1SD4	113	A052_ 6.3 P71 BN71B4	113
228	14.6	6.8	12.3	1920	A052_ 12.3 S05 M05C2	113	A052_ 12.3 P71 BN71A2	113
251	13.3	7.2	5.5	1870	A052_ 5.5 S1 M1SD4	113	A052_ 5.5 P71 BN71B4	113
265	12.5	6.4	10.6	1830	A052_ 10.6 S05 M05C2	113	A052_ 10.6 P71 BN71A2	113
291	11.4	8.3	9.6	1790	A052_ 9.6 S05 M05C2	113	A052_ 9.6 P71 BN71A2	113
331	10.0	9.0	8.5	1720	A052_ 8.5 S05 M05C2	113	A052_ 8.5 P71 BN71A2	113
388	8.6	9.9	7.2	1640	A052_ 7.2 S05 M05C2	113	A052_ 7.2 P71 BN71A2	113
445	7.5	10.7	6.3	1570	A052_ 6.3 S05 M05C2	113	A052_ 6.3 P71 BN71A2	113
512	6.5	11.6	5.5	1500	A052_ 5.5 S05 M05C2	113	A052_ 5.5 P71 BN71A2	113

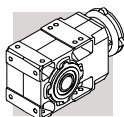
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0.56	8299	1.7	1632	75000	A904_ 1632 S2 M2SA6	154	A904_ 1632 P80 BN80B6	155
0.64	7310	1.1	1438	65000	A804_ 1438 S2 M2SA6	151	A804_ 1438 P80 BN80B6	152
0.75	6213	2.3	1222	75000	A904_ 1222 S2 M2SA6	154	A904_ 1222 P80 BN80B6	155
0.80	5813	0.9	1715	50000	A704_ 1715 S1 M1LA4	148	A704_ 1715 P80 BN80A4	149
0.85	5532	2.5	1632	75000	A904_ 1632 S1 M1LA4	154	A904_ 1632 P80 BN80A4	155
0.87	5365	0.9	1583	50000	A704_ 1583 S1 M1LA4	148	A704_ 1583 P80 BN80A4	149
0.89	5279	1.5	1558	65000	A804_ 1558 S1 M1LA4	151	A804_ 1558 P80 BN80A4	152
0.92	5070	2.8	1507	75000	A904_ 1507 S1 M1LA4	154	A904_ 1507 P80 BN80A4	155
0.96	4873	1.6	1438	65000	A804_ 1438 S1 M1LA4	151	A804_ 1438 P80 BN80A4	152
1.00	4561	1.1	1346	50000	A704_ 1346 S1 M1LA4	148	A704_ 1346 P80 BN80A4	149
1.00	4541	1.8	1340	65000	A804_ 1340 S1 M1LA4	151	A804_ 1340 P80 BN80A4	152
1.00	4455	3.1	1324	75000	A904_ 1324 S1 M1LA4	154	A904_ 1324 P80 BN80A4	155
1.1	4211	1.2	1242	50000	A704_ 1242 S1 M1LA4	148	A704_ 1242 P80 BN80A4	149
1.1	4192	1.9	1237	65000	A804_ 1237 S1 M1LA4	151	A804_ 1237 P80 BN80A4	152
1.1	4112	3.4	1222	75000	A904_ 1222 S1 M1LA4	154	A904_ 1222 P80 BN80A4	155
1.2	3937	1.3	1161	50000	A704_ 1161 S1 M1LA4	148	A704_ 1161 P80 BN80A4	149
1.3	3677	2.2	1085	65000	A804_ 1085 S1 M1LA4	151	A804_ 1085 P80 BN80A4	152
1.3	3634	1.4	1072	50000	A704_ 1072 S1 M1LA4	148	A704_ 1072 P80 BN80A4	149
1.4	3394	2.4	1001	65000	A804_ 1001 S1 M1LA4	151	A804_ 1001 P80 BN80A4	152
1.5	3140	1.6	926.5	50000	A704_ 926.5 S1 M1LA4	148	A704_ 926.5 P80 BN80A4	149
1.5	3046	2.6	898.7	65000	A804_ 898.7 S1 M1LA4	151	A804_ 898.7 P80 BN80A4	152
1.6	2899	1.7	855.3	50000	A704_ 855.3 S1 M1LA4	148	A704_ 855.3 P80 BN80A4	149
1.7	2811	2.8	829.5	65000	A804_ 829.5 S1 M1LA4	151	A804_ 829.5 P80 BN80A4	152
1.8	2589	1.9	763.9	50000	A704_ 763.9 S1 M1LA4	148	A704_ 763.9 P80 BN80A4	149
1.8	2583	3.1	762.1	65000	A804_ 762.1 S1 M1LA4	151	A804_ 762.1 P80 BN80A4	152
1.8	2560	1.1	755.4	30000	A604_ 755.4 S1 M1LA4	144	A604_ 755.4 P80 BN80A4	145
2.0	2390	2.1	705.1	50000	A704_ 705.1 S1 M1LA4	148	A704_ 705.1 P80 BN80A4	149
2.0	2384	3.4	703.5	65000	A804_ 703.5 S1 M1LA4	151	A804_ 703.5 P80 BN80A4	152
2.0	2363	1.2	697.3	30000	A604_ 697.3 S1 M1LA4	144	A604_ 697.3 P80 BN80A4	145
2.1	2185	2.3	644.6	50000	A704_ 644.6 S1 M1LA4	148	A704_ 644.6 P80 BN80A4	149
2.2	2151	1.3	634.6	30000	A604_ 634.6 S1 M1LA4	144	A604_ 634.6 P80 BN80A4	145
2.3	2017	2.5	595.0	50000	A704_ 595.0 S1 M1LA4	148	A704_ 595.0 P80 BN80A4	149







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n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
2.4	1985	1.4	585.8	30000	A604_ 585.8 S1 M1LA4	144	A604_ 585.8 P80 BN80A4	145
2.5	1837	1.5	542.0	30000	A604_ 542.0 S1 M1LA4	144	A604_ 542.0 P80 BN80A4	145
2.7	1747	2.9	515.4	50000	A704_ 515.4 S1 M1LA4	148	A704_ 515.4 P80 BN80A4	149
2.8	1696	1.7	500.3	30000	A604_ 500.3 S1 M1LA4	144	A604_ 500.3 P80 BN80A4	145
2.9	1632	0.9	481.6	20000	A504_ 481.6 S1 M1LA4	136	A504_ 481.6 P80 BN80A4	137
2.9	1612	3.1	475.8	50000	A704_ 475.8 S1 M1LA4	148	A704_ 475.8 P80 BN80A4	149
3.1	1514	1.0	446.8	20000	A504_ 446.8 S1 M1LA4	136	A504_ 446.8 P80 BN80A4	137
3.1	1486	1.9	438.4	30000	A604_ 438.4 S1 M1LA4	144	A604_ 438.4 P80 BN80A4	145
3.4	1378	1.1	406.4	20000	A504_ 406.4 S1 M1LA4	136	A504_ 406.4 P80 BN80A4	137
3.4	1372	2.0	404.7	30000	A604_ 404.7 S1 M1LA4	144	A604_ 404.7 P80 BN80A4	145
3.8	1239	1.2	365.6	20000	A504_ 365.6 S1 M1LA4	136	A504_ 365.6 P80 BN80A4	137
3.9	1190	2.4	351.2	30000	A604_ 351.2 S1 M1LA4	144	A604_ 351.2 P80 BN80A4	145
4.1	1127	1.3	332.6	20000	A504_ 332.6 S1 M1LA4	136	A504_ 332.6 P80 BN80A4	137
4.3	1099	2.5	324.2	30000	A604_ 324.2 S1 M1LA4	144	A604_ 324.2 P80 BN80A4	145
4.8	972	1.5	286.8	20000	A504_ 286.8 S1 M1LA4	136	A504_ 286.8 P80 BN80A4	137
4.8	970	2.9	286.3	30000	A604_ 286.3 S1 M1LA4	144	A604_ 286.3 P80 BN80A4	145
5.2	896	3.1	264.3	30000	A604_ 264.3 S1 M1LA4	144	A604_ 264.3 P80 BN80A4	145
5.3	910	0.9	262.5	15000	A413_ 262.5 S1 M1LA4	132	A413_ 262.5 P80 BN80A4	133
5.3	884	1.7	260.9	20000	A504_ 260.9 S1 M1LA4	136	A504_ 260.9 P80 BN80A4	137
5.7	834	1.0	240.6	15000	A413_ 240.6 S1 M1LA4	132	A413_ 240.6 P80 BN80A4	133
5.9	786	1.9	232.0	20000	A504_ 232.0 S1 M1LA4	136	A504_ 232.0 P80 BN80A4	137
6.3	753	1.1	217.4	15000	A413_ 217.4 S1 M1LA4	132	A413_ 217.4 P80 BN80A4	133
6.5	715	2.1	211.0	20000	A504_ 211.0 S1 M1LA4	136	A504_ 211.0 P80 BN80A4	137
7.0	685	1.2	197.5	15000	A413_ 197.5 S1 M1LA4	132	A413_ 197.5 P80 BN80A4	133
7.1	673	3.0	194.2	30000	A553_ 194.2 S1 M1LA4	140	A553_ 194.2 P80 BN80A4	141
7.2	660	2.3	190.6	20000	A503_ 190.6 S1 M1LA4	136	A503_ 190.6 P80 BN80A4	137
7.3	653	0.9	188.3	12000	A353_ 188.3 S1 M1LA4	128	A353_ 188.3 P80 BN80A4	129
7.5	639	1.3	184.4	15000	A413_ 184.4 S1 M1LA4	132	A413_ 184.4 P80 BN80A4	133
7.9	607	3.3	175.0	30000	A553_ 175.0 S1 M1LA4	140	A553_ 175.0 P80 BN80A4	141
8.0	601	2.5	173.4	20000	A503_ 173.4 S1 M1LA4	136	A503_ 173.4 P80 BN80A4	137
8.0	595	1.0	171.8	12000	A353_ 171.8 S1 M1LA4	128	A353_ 171.8 P80 BN80A4	129
9.0	532	2.8	154.6	20000	A503_ 154.6 S1 M1LA4	136	A503_ 154.6 P80 BN80A4	137
9.2	522	1.1	150.6	12000	A353_ 150.6 S1 M1LA4	128	A353_ 150.6 P80 BN80A4	129
9.4	509	1.7	146.9	15000	A413_ 146.9 S1 M1LA4	132	A413_ 146.9 P80 BN80A4	133
9.9	484	3.1	140.6	20000	A503_ 140.6 S1 M1LA4	136	A503_ 140.6 P80 BN80A4	137
10.1	472	1.2	136.3	12000	A353_ 136.3 S1 M1LA4	128	A353_ 136.3 P80 BN80A4	129
10.7	446	3.4	129.7	20000	A503_ 129.7 S1 M1LA4	136	A503_ 129.7 P80 BN80A4	137
11.8	405	1.4	116.9	12000	A353_ 116.9 S1 M1LA4	128	A353_ 116.9 P80 BN80A4	129
11.9	402	2.1	115.9	15000	A413_ 115.9 S1 M1LA4	132	A413_ 115.9 P80 BN80A4	133
13.1	366	1.4	105.5	12000	A353_ 105.5 S1 M1LA4	128	A353_ 105.5 P80 BN80A4	129
14.2	349	0.9	97.5	9600			A302_ 97.5 P80 BN80A4	125
14.4	342	1.6	95.6	12000	A352_ 95.6 S1 M1LA4	128	A352_ 95.6 P80 BN80A4	129
14.9	321	2.5	92.8	15000	A413_ 92.8 S1 M1LA4	132	A413_ 92.8 P80 BN80A4	133
15.9	310	1.0	86.7	9420			A302_ 86.7 P80 BN80A4	125
16.7	295	2.0	82.5	12000	A352_ 82.5 S1 M1LA4	128	A352_ 82.5 P80 BN80A4	129
17.4	284	3.0	79.2	15000	A412_ 79.2 S1 M1LA4	132	A412_ 79.2 P80 BN80A4	133
18.0	274	1.3	76.5	9180	A302_ 76.5 S1 M1LA4	124	A302_ 76.5 P80 BN80A4	125
18.6	266	2.3	74.3	12000	A352_ 74.3 S1 M1LA4	128	A352_ 74.3 P80 BN80A4	129
19.4	255	3.3	71.3	15000	A412_ 71.3 S1 M1LA4	132	A412_ 71.3 P80 BN80A4	133
20.9	236	1.6	66.0	8880	A302_ 66.0 S1 M1LA4	124	A302_ 66.0 P80 BN80A4	125
21.0	236	2.5	65.8	12000	A352_ 65.8 S1 M1LA4	128	A352_ 65.8 P80 BN80A4	129
21.9	226	1.1	63.1	5840	A202_ 63.1 S1 M1LA4	120	A202_ 63.1 P80 BN80A4	121
22.9	216	2.8	60.4	12000	A352_ 60.4 S1 M1LA4	128	A352_ 60.4 P80 BN80A4	129
23.2	213	1.9	59.4	8660	A302_ 59.4 S1 M1LA4	124	A302_ 59.4 P80 BN80A4	125
25.4	194	3.1	54.3	12000	A352_ 54.3 S1 M1LA4	128	A352_ 54.3 P80 BN80A4	129
25.7	192	1.3	53.7	5670	A202_ 53.7 S1 M1LA4	120	A202_ 53.7 P80 BN80A4	121
26.2	189	2.2	52.7	8410	A302_ 52.7 S1 M1LA4	124	A302_ 52.7 P80 BN80A4	125
28.1	176	3.4	49.1	12000	A352_ 49.1 S1 M1LA4	128	A352_ 49.1 P80 BN80A4	129
28.6	173	1.4	48.3	5560	A202_ 48.3 S1 M1LA4	120	A202_ 48.3 P80 BN80A4	121
28.6	173	2.4	48.3	8230	A302_ 48.3 S1 M1LA4	124	A302_ 48.3 P80 BN80A4	125
30.0	163	0.9	45.4	4910	A102_ 45.4 S1 M1LA4	116	A102_ 45.4 P80 BN80A4	117
32	155	2.6	43.4	8010	A302_ 43.4 S1 M1LA4	124	A302_ 43.4 P80 BN80A4	125
32	155	1.6	43.2	5440	A202_ 43.2 S1 M1LA4	120	A202_ 43.2 P80 BN80A4	121
34	146	1.0	40.9	5500	A102_ 40.9 S1 M1LA4	116	A102_ 40.9 P80 BN80A4	117
35	142	1.8	39.6	5340	A202_ 39.6 S1 M1LA4	120	A202_ 39.6 P80 BN80A4	121

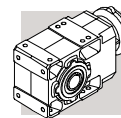


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

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
35	141	2.9	39.3	7800	A302_ 39.3 S1 M1LA4	124	A302_ 39.3 P80 BN80A4	125
38	131	3.1	36.6	7660	A302_ 36.6 S1 M1LA4	124	A302_ 36.6 P80 BN80A4	125
39	127	2.0	35.4	5200	A202_ 35.4 S1 M1LA4	120	A202_ 35.4 P80 BN80A4	121
39	126	1.2	35.1	4700	A102_ 35.1 S1 M1LA4	116	A102_ 35.1 P80 BN80A4	117
41	120	3.4	33.4	7480	A302_ 33.4 S1 M1LA4	124	A302_ 33.4 P80 BN80A4	125
43	115	1.3	32.2	5490	A102_ 32.2 S1 M1LA4	116	A102_ 32.2 P80 BN80A4	117
44	112	2.2	31.3	5060	A202_ 31.3 S1 M1LA4	120	A202_ 31.3 P80 BN80A4	121
47	105	2.4	29.2	4970	A202_ 29.2 S1 M1LA4	120	A202_ 29.2 P80 BN80A4	121
48	102	1.0	28.6	2550	A052_ 28.6 S1 M1LA4	113	A052_ 28.6 P80 BN80A4	113
48	102	1.5	28.6	4510	A102_ 28.6 S1 M1LA4	116	A102_ 28.6 P80 BN80A4	117
52	95	2.6	26.5	4850	A202_ 26.5 S1 M1LA4	120	A202_ 26.5 P80 BN80A4	121
54	91	1.1	25.5	2510	A052_ 25.5 S1 M1LA4	113	A052_ 25.5 P80 BN80A4	113
54	91	1.6	25.5	5230	A102_ 25.5 S1 M1LA4	116	A102_ 25.5 P80 BN80A4	117
58	85	1.2	23.8	2490	A052_ 23.8 S1 M1LA4	113	A052_ 23.8 P80 BN80A4	113
58	85	1.8	23.8	4330	A102_ 23.8 S1 M1LA4	116	A102_ 23.8 P80 BN80A4	117
60	83	3.0	23.1	4690	A202_ 23.1 S1 M1LA4	120	A202_ 23.1 P80 BN80A4	121
65	76	1.3	21.4	2450	A052_ 21.4 S1 M1LA4	113	A052_ 21.4 P80 BN80A4	113
65	76	2.0	21.4	5020	A102_ 21.4 S1 M1LA4	116	A102_ 21.4 P80 BN80A4	117
65	76	3.3	21.2	4590	A202_ 21.2 S1 M1LA4	120	A202_ 21.2 P80 BN80A4	121
74	66	1.5	18.6	2400	A052_ 18.6 S1 M1LA4	113	A052_ 18.6 P80 BN80A4	113
74	66	2.3	18.6	4090	A102_ 18.6 S1 M1LA4	116	A102_ 18.6 P80 BN80A4	117
84	59	1.7	16.4	2340	A052_ 16.4 S1 M1LA4	113	A052_ 16.4 P80 BN80A4	113
84	59	2.5	16.4	4710	A102_ 16.4 S1 M1LA4	116	A102_ 16.4 P80 BN80A4	117
99	50	2.0	13.9	2270	A052_ 13.9 S1 M1LA4	113	A052_ 13.9 P80 BN80A4	113
99	50	3.0	13.9	3800	A102_ 13.9 S1 M1LA4	116	A102_ 13.9 P80 BN80A4	117
112	44	2.3	12.3	2220	A052_ 12.3 S1 M1LA4	113	A052_ 12.3 P80 BN80A4	113
112	44	3.2	12.3	3670	A102_ 12.3 S1 M1LA4	116	A102_ 12.3 P80 BN80A4	117
131	38	2.6	10.6	2130	A052_ 10.6 S1 M1LA4	113	A052_ 10.6 P80 BN80A4	113
144	34	2.9	9.6	2100	A052_ 9.6 S1 M1LA4	113	A052_ 9.6 P80 BN80A4	113
162	30	3.3	8.5	2030	A052_ 8.5 S1 M1LA4	113	A052_ 8.5 P80 BN80A4	113
171	29	3.1	16.4	2000	A052_ 16.4 S1 M1SD2	113	A052_ 16.4 P71 BN71B2	113
191	26	3.9	7.2	1950	A052_ 7.2 S1 M1LA4	113	A052_ 7.2 P80 BN80A4	113
218	23	4.4	6.3	1880	A052_ 6.3 S1 M1LA4	113	A052_ 6.3 P80 BN80A4	113
229	22	4.6	12.3	1860	A052_ 12.3 S1 M1SD2	113	A052_ 12.3 P71 BN71B2	113
252	19.6	4.9	5.5	1810	A052_ 5.5 S1 M1LA4	113	A052_ 5.5 P80 BN80A4	113
267	18.5	4.3	10.6	1780	A052_ 10.6 S1 M1SD2	113	A052_ 10.6 P71 BN71B2	113
293	16.8	5.6	9.6	1740	A052_ 9.6 S1 M1SD2	113	A052_ 9.6 P71 BN71B2	113
331	14.9	6.0	8.5	1680	A052_ 8.5 S1 M1SD2	113	A052_ 8.5 P71 BN71B2	113
391	12.6	6.7	7.2	1600	A052_ 7.2 S1 M1SD2	113	A052_ 7.2 P71 BN71B2	113
445	11.1	7.2	6.3	1540	A052_ 6.3 S1 M1SD2	113	A052_ 6.3 P71 BN71B2	113
516	9.6	7.8	5.5	1480	A052_ 5.5 S1 M1SD2	113	A052_ 5.5 P71 BN71B2	113

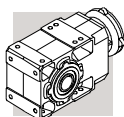
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0.56	11316	1.2	1632	75000	A904_ 1632 S2 M2SB6	154	A904_ 1632 P90 BN90S6	155
0.61	10446	1.3	1507	75000	A904_ 1507 S2 M2SB6	154	A904_ 1507 P90 BN90S6	155
0.69	9179	1.5	1324	75000	A904_ 1324 S2 M2SB6	154	A904_ 1324 P90 BN90S6	155
0.75	8473	1.7	1222	75000	A904_ 1222 S2 M2SB6	154	A904_ 1222 P90 BN90S6	155
0.86	7436	1.9	1632	75000	A904_ 1632 S2 M2SA4	154	A904_ 1632 P80 BN80B4	155
0.90	7096	1.1	1558	65000	A804_ 1558 S2 M2SA4	151	A804_ 1558 P80 BN80B4	152
0.93	6864	2.0	1507	75000	A904_ 1507 S2 M2SA4	154	A904_ 1507 P80 BN80B4	155
0.97	6550	1.2	1438	65000	A804_ 1438 S2 M2SA4	151	A804_ 1438 P80 BN80B4	152
1.00	6104	1.3	1340	65000	A804_ 1340 S2 M2SA4	151	A804_ 1340 P80 BN80B4	152
1.1	6032	2.3	1324	75000	A904_ 1324 S2 M2SA4	154	A904_ 1324 P80 BN80B4	155
1.1	5660	0.9	1242	50000	A704_ 1242 S2 M2SA4	148	A704_ 1242 P80 BN80B4	149
1.1	5635	1.4	1237	65000	A804_ 1237 S2 M2SA4	151	A804_ 1237 P80 BN80B4	152
1.1	5568	2.5	1222	75000	A904_ 1222 S2 M2SA4	154	A904_ 1222 P80 BN80B4	155
1.2	5291	0.9	1161	50000	A704_ 1161 S2 M2SA4	148	A704_ 1161 P80 BN80B4	149
1.3	5060	2.8	1111	75000	A904_ 1111 S2 M2SA4	154	A904_ 1111 P80 BN80B4	155
1.3	4942	1.6	1085	65000	A804_ 1085 S2 M2SA4	151	A804_ 1085 P80 BN80B4	152
1.3	4884	1.0	1072	50000	A704_ 1072 S2 M2SA4	148	A704_ 1072 P80 BN80B4	149
1.4	4670	3.0	1025	75000	A904_ 1025 S2 M2SA4	154	A904_ 1025 P80 BN80B4	155
1.4	4562	1.8	1001	65000	A804_ 1001 S2 M2SA4	151	A804_ 1001 P80 BN80B4	152
1.5	4270	3.3	937.2	75000	A904_ 937.2 S2 M2SA4	154	A904_ 937.2 P80 BN80B4	155







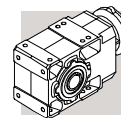
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n_2 min ⁻¹	M ₂ Nm	S	i	R _{n2} N			 IEC 	
1.5	4221	1.2	926.5	50000	A704_ 926.5 S2 M2SA4	148	A704_ 926.5 P80 BN80B4	149
1.6	4094	2.0	898.7	65000	A804_ 898.7 S2 M2SA4	151	A804_ 898.7 P80 BN80B4	152
1.6	3896	1.3	855.3	50000	A704_ 855.3 S2 M2SA4	148	A704_ 855.3 P80 BN80B4	149
1.7	3779	2.1	829.5	65000	A804_ 829.5 S2 M2SA4	151	A804_ 829.5 P80 BN80B4	152
1.8	3480	1.4	763.9	50000	A704_ 763.9 S2 M2SA4	148	A704_ 763.9 P80 BN80B4	149
1.8	3472	2.3	762.1	65000	A804_ 762.1 S2 M2SA4	151	A804_ 762.1 P80 BN80B4	152
2.0	3212	1.6	705.1	50000	A704_ 705.1 S2 M2SA4	148	A704_ 705.1 P80 BN80B4	149
2.0	3205	2.5	703.5	65000	A804_ 703.5 S2 M2SA4	151	A804_ 703.5 P80 BN80B4	152
2.0	3177	0.9	697.3	30000	A604_ 697.3 S2 M2SA4	144	A604_ 697.3 P80 BN80B4	145
2.2	2937	1.7	644.6	50000	A704_ 644.6 S2 M2SA4	148	A704_ 644.6 P80 BN80B4	149
2.2	2891	1.0	634.6	30000	A604_ 634.6 S2 M2SA4	144	A604_ 634.6 P80 BN80B4	145
2.3	2766	2.9	607.2	65000	A804_ 607.2 S2 M2SA4	151	A804_ 607.2 P80 BN80B4	152
2.4	2711	1.8	595.0	50000	A704_ 595.0 S2 M2SA4	148	A704_ 595.0 P80 BN80B4	149
2.4	2669	1.0	585.8	30000	A604_ 585.8 S2 M2SA4	144	A604_ 585.8 P80 BN80B4	145
2.5	2553	3.1	560.5	65000	A804_ 560.5 S2 M2SA4	151	A804_ 560.5 P80 BN80B4	152
2.6	2469	1.1	542.0	30000	A604_ 542.0 S2 M2SA4	144	A604_ 542.0 P80 BN80B4	145
2.7	2348	2.1	515.4	50000	A704_ 515.4 S2 M2SA4	148	A704_ 515.4 P80 BN80B4	149
2.8	2279	1.2	500.3	30000	A604_ 500.3 S2 M2SA4	144	A604_ 500.3 P80 BN80B4	145
2.9	2167	2.3	475.8	50000	A704_ 475.8 S2 M2SA4	148	A704_ 475.8 P80 BN80B4	149
3.2	1997	1.4	438.4	30000	A604_ 438.4 S2 M2SA4	144	A604_ 438.4 P80 BN80B4	145
3.5	1844	1.5	404.7	30000	A604_ 404.7 S2 M2SA4	144	A604_ 404.7 P80 BN80B4	145
3.5	1823	2.7	400.2	50000	A704_ 400.2 S2 M2SA4	148	A704_ 400.2 P80 BN80B4	149
3.8	1683	3.0	369.4	50000	A704_ 369.4 S2 M2SA4	148	A704_ 369.4 P80 BN80B4	149
3.8	1666	0.9	365.6	20000	A504_ 365.6 S2 M2SA4	136	A504_ 365.6 P80 BN80B4	137
4.0	1600	1.8	351.2	30000	A604_ 351.2 S2 M2SA4	144	A604_ 351.2 P80 BN80B4	145
4.2	1515	1.0	332.6	20000	A504_ 332.6 S2 M2SA4	136	A504_ 332.6 P80 BN80B4	137
4.3	1477	1.9	324.2	30000	A604_ 324.2 S2 M2SA4	144	A604_ 324.2 P80 BN80B4	145
4.4	1441	3.5	316.4	50000	A704_ 316.4 S2 M2SA4	148	A704_ 316.4 P80 BN80B4	149
4.9	1307	1.1	286.8	20000	A504_ 286.8 S2 M2SA4	136	A504_ 286.8 P80 BN80B4	137
4.9	1304	2.1	286.3	30000	A604_ 286.3 S2 M2SA4	144	A604_ 286.3 P80 BN80B4	145
5.3	1204	2.3	264.3	30000	A604_ 264.3 S2 M2SA4	144	A604_ 264.3 P80 BN80B4	145
5.4	1189	1.3	260.9	20000	A504_ 260.9 S2 M2SA4	136	A504_ 260.9 P80 BN80B4	137
6.0	1057	1.4	232.0	20000	A504_ 232.0 S2 M2SA4	136	A504_ 232.0 P80 BN80B4	137
6.2	1030	2.7	226.1	30000	A604_ 226.1 S2 M2SA4	144	A604_ 226.1 P80 BN80B4	145
6.6	961	1.6	211.0	20000	A504_ 211.0 S2 M2SA4	136	A504_ 211.0 P80 BN80B4	137
6.7	951	2.9	208.7	30000	A604_ 208.7 S2 M2SA4	144	A604_ 208.7 P80 BN80B4	145
7.1	920	0.9	197.5	15000	A413_ 197.5 S2 M2SA4	132	A413_ 197.5 P80 BN80B4	133
7.2	905	2.2	194.2	30000	A553_ 194.2 S2 M2SA4	140	A553_ 194.2 P80 BN80B4	141
7.3	888	1.7	190.6	20000	A503_ 190.6 S2 M2SA4	136	A503_ 190.6 P80 BN80B4	137
7.5	865	3.2	185.8	30000	A603_ 185.8 S2 M2SA4	144	A603_ 185.8 P80 BN80B4	145
7.6	859	1.0	184.4	15000	A413_ 184.4 S2 M2SA4	132	A413_ 184.4 P80 BN80B4	133
8.0	815	2.5	175.0	30000	A553_ 175.0 S2 M2SA4	140	A553_ 175.0 P80 BN80B4	141
8.1	808	1.9	173.4	20000	A503_ 173.4 S2 M2SA4	136	A503_ 173.4 P80 BN80B4	137
8.2	799	3.5	171.5	30000	A603_ 171.5 S2 M2SA4	144	A603_ 171.5 P80 BN80B4	145
8.7	747	2.7	160.4	30000	A553_ 160.4 S2 M2SA4	140	A553_ 160.4 P80 BN80B4	141
9.1	720	2.1	154.6	20000	A503_ 154.6 S2 M2SA4	136	A503_ 154.6 P80 BN80B4	137
9.5	684	1.2	146.9	15000	A413_ 146.9 S2 M2SA4	132	A413_ 146.9 P80 BN80B4	133
9.5	684	2.9	146.8	30000	A553_ 146.8 S2 M2SA4	140	A553_ 146.8 P80 BN80B4	141
10.0	655	2.3	140.6	20000	A503_ 140.6 S2 M2SA4	136	A503_ 140.6 P80 BN80B4	137
10.3	635	0.9	136.3	12000	A353_ 136.3 S2 M2SA4	128	A353_ 136.3 P80 BN80B4	129
10.5	618	3.2	132.7	30000	A553_ 132.7 S2 M2SA4	140	A553_ 132.7 P80 BN80B4	141
10.8	604	2.5	129.7	20000	A503_ 129.7 S2 M2SA4	136	A503_ 129.7 P80 BN80B4	137
11.3	577	3.5	123.9	30000	A553_ 123.9 S2 M2SA4	140	A553_ 123.9 P80 BN80B4	141
11.9	549	2.7	118.0	20000	A503_ 118.0 S2 M2SA4	136	A503_ 118.0 P80 BN80B4	137
12.0	545	1.0	116.9	12000	A353_ 116.9 S2 M2SA4	128	A353_ 116.9 P80 BN80B4	129
12.1	540	1.6	115.9	15000	A413_ 115.9 S2 M2SA4	132	A413_ 115.9 P80 BN80B4	133
12.8	510	2.9	109.4	20000	A503_ 109.4 S2 M2SA4	136	A503_ 109.4 P80 BN80B4	137
13.3	492	1.1	105.5	12000	A353_ 105.5 S2 M2SA4	128	A353_ 105.5 P80 BN80B4	129
14.1	464	3.2	99.5	20000	A503_ 99.5 S2 M2SA4	136	A503_ 99.5 P80 BN80B4	137
14.6	460	1.2	95.6	12000	A352_ 95.6 S2 M2SA4	128	A352_ 95.6 P80 BN80B4	129
15.1	432	1.9	92.8	15000	A413_ 92.8 S2 M2SA4	132	A413_ 92.8 P80 BN80B4	133
17.0	397	1.5	82.5	12000	A352_ 82.5 S2 M2SA4	128	A352_ 82.5 P80 BN80B4	129
17.7	381	2.2	79.2	15000	A412_ 79.2 S2 M2SA4	132	A412_ 79.2 P80 BN80B4	133
18.3	368	1.0	76.5	8580	A302_ 76.5 S2 M2SA4	124	A302_ 76.5 P80 BN80B4	125







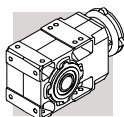
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n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
18.8	357	1.7	74.3	12000	A352_ 74.3 S2 M2SA4	128	A352_ 74.3 P80 BN80B4	129
19.6	343	2.5	71.3	15000	A412_ 71.3 S2 M2SA4	132	A412_ 71.3 P80 BN80B4	133
21.2	318	1.2	66.0	8360	A302_ 66.0 S2 M2SA4	124	A302_ 66.0 P80 BN80B4	125
21.3	317	1.9	65.8	12000	A352_ 65.8 S2 M2SA4	128	A352_ 65.8 P80 BN80B4	129
21.8	309	2.8	64.2	15000	A412_ 64.2 S2 M2SA4	132	A412_ 64.2 P80 BN80B4	133
23.2	290	2.1	60.4	12000	A352_ 60.4 S2 M2SA4	128	A352_ 60.4 P80 BN80B4	129
23.6	286	1.4	59.4	8190	A302_ 59.4 S2 M2SA4	124	A302_ 59.4 P80 BN80B4	125
23.8	283	3.0	58.8	15000	A412_ 58.8 S2 M2SA4	132	A412_ 58.8 P80 BN80B4	133
25.8	261	2.3	54.3	12000	A352_ 54.3 S2 M2SA4	128	A352_ 54.3 P80 BN80B4	129
26.1	258	1.0	53.7	5210	A202_ 53.7 S2 M2SA4	120	A202_ 53.7 P80 BN80B4	121
26.3	256	3.3	53.1	15000	A412_ 53.1 S2 M2SA4	132	A412_ 53.1 P80 BN80B4	133
26.6	253	1.6	52.7	7990	A302_ 52.7 S2 M2SA4	124	A302_ 52.7 P80 BN80B4	125
28.5	236	2.5	49.1	12000	A352_ 49.1 S2 M2SA4	128	A352_ 49.1 P80 BN80B4	129
29.0	232	1.1	48.3	5140	A202_ 48.3 S2 M2SA4	120	A202_ 48.3 P80 BN80B4	121
29.0	232	1.8	48.3	7840	A302_ 48.3 S2 M2SA4	124	A302_ 48.3 P80 BN80B4	125
31	220	2.7	45.8	12000	A352_ 45.8 S2 M2SA4	128	A352_ 45.8 P80 BN80B4	129
32	209	2.0	43.4	7660	A302_ 43.4 S2 M2SA4	124	A302_ 43.4 P80 BN80B4	125
32	208	1.2	43.2	5060	A202_ 43.2 S2 M2SA4	120	A202_ 43.2 P80 BN80B4	121
34	201	3.0	41.8	11900	A352_ 41.8 S2 M2SA4	128	A352_ 41.8 P80 BN80B4	129
35	191	1.3	39.6	4990	A202_ 39.6 S2 M2SA4	120	A202_ 39.6 P80 BN80B4	121
36	189	2.2	39.3	7480	A302_ 39.3 S2 M2SA4	124	A302_ 39.3 P80 BN80B4	125
38	176	2.3	36.6	7360	A302_ 36.6 S2 M2SA4	124	A302_ 36.6 P80 BN80B4	125
38	176	3.4	36.6	11500	A352_ 36.6 S2 M2SA4	128	A352_ 36.6 P80 BN80B4	129
40	170	1.5	35.4	4890	A202_ 35.4 S2 M2SA4	120	A202_ 35.4 P80 BN80B4	121
40	169	0.9	35.1	4320	A102_ 35.1 S2 M2SA4	116	A102_ 35.1 P80 BN80B4	117
42	161	2.5	33.4	7200	A302_ 33.4 S2 M2SA4	124	A302_ 33.4 P80 BN80B4	125
43	155	1.0	32.2	5080	A102_ 32.2 S2 M2SA4	116	A102_ 32.2 P80 BN80B4	117
45	151	1.7	31.3	4780	A202_ 31.3 S2 M2SA4	120	A202_ 31.3 P80 BN80B4	121
48	141	2.9	29.3	6960	A302_ 29.3 S2 M2SA4	124	A302_ 29.3 P80 BN80B4	125
48	141	1.8	29.2	4710	A202_ 29.2 S2 M2SA4	120	A202_ 29.2 P80 BN80B4	121
49	137	1.1	28.6	4200	A102_ 28.6 S2 M2SA4	116	A102_ 28.6 P80 BN80B4	117
53	128	3.2	26.5	6790	A302_ 26.5 S2 M2SA4	124	A302_ 26.5 P80 BN80B4	125
53	127	2.0	26.5	4620	A202_ 26.5 S2 M2SA4	120	A202_ 26.5 P80 BN80B4	121
55	123	1.2	25.5	4900	A102_ 25.5 S2 M2SA4	116	A102_ 25.5 P80 BN80B4	117
59	114	1.3	23.8	4070	A102_ 23.8 S2 M2SA4	116	A102_ 23.8 P80 BN80B4	117
61	111	2.2	23.1	4480	A202_ 23.1 S2 M2SA4	120	A202_ 23.1 P80 BN80B4	121
66	103	1.0	21.4	2210	A052_ 21.4 S2 M2SA4	113	A052_ 21.4 P80 BN80B4	113
66	103	1.5	21.4	4740	A102_ 21.4 S2 M2SA4	116	A102_ 21.4 P80 BN80B4	117
66	102	2.4	21.2	4390	A202_ 21.2 S2 M2SA4	120	A202_ 21.2 P80 BN80B4	121
75	89	1.1	18.6	2190	A052_ 18.6 S2 M2SA4	113	A052_ 18.6 P80 BN80B4	113
75	89	1.7	18.6	3880	A102_ 18.6 S2 M2SA4	116	A102_ 18.6 P80 BN80B4	117
77	87	2.9	18.1	4230	A202_ 18.1 S2 M2SA4	120	A202_ 18.1 P80 BN80B4	121
85	79	1.3	16.4	2160	A052_ 16.4 S2 M2SA4	113	A052_ 16.4 P80 BN80B4	113
85	79	1.9	16.4	4490	A102_ 16.4 S2 M2SA4	116	A102_ 16.4 P80 BN80B4	117
87	78	3.2	16.2	4110	A202_ 16.2 S2 M2SA4	120	A202_ 16.2 P80 BN80B4	121
101	67	1.5	13.9	2110	A052_ 13.9 S2 M2SA4	113	A052_ 13.9 P80 BN80B4	113
101	67	2.2	13.9	3640	A102_ 13.9 S2 M2SA4	116	A102_ 13.9 P80 BN80B4	117
114	59	1.7	12.3	2080	A052_ 12.3 S2 M2SA4	113	A052_ 12.3 P80 BN80B4	113
114	59	2.4	12.3	3530	A102_ 12.3 S2 M2SA4	116	A102_ 12.3 P80 BN80B4	117
133	51	2.0	10.6	2010	A052_ 10.6 S2 M2SA4	113	A052_ 10.6 P80 BN80B4	113
133	51	3.0	10.6	3400	A102_ 10.6 S2 M2SA4	116	A102_ 10.6 P80 BN80B4	117
146	46	2.2	9.6	1990	A052_ 9.6 S2 M2SA4	113	A052_ 9.6 P80 BN80B4	113
146	46	3.0	9.6	3320	A102_ 9.6 S2 M2SA4	116	A102_ 9.6 P80 BN80B4	117
164	41	2.4	8.5	1940	A052_ 8.5 S2 M2SA4	113	A052_ 8.5 P80 BN80B4	113
164	41	3.4	8.5	3820	A102_ 8.5 S2 M2SA4	116	A102_ 8.5 P80 BN80B4	117
194	35	2.9	7.2	1870	A052_ 7.2 S2 M2SA4	113	A052_ 7.2 P80 BN80B4	113
221	30	3.3	6.3	1810	A052_ 6.3 S2 M2SA4	113	A052_ 6.3 P80 BN80B4	113
256	26	3.6	5.5	1750	A052_ 5.5 S2 M2SA4	113	A052_ 5.5 P80 BN80B4	113
266	25	3.2	10.6	1720	A052_ 10.6 S1 M1LA2	113	A052_ 10.6 P80 BN80A2	113
292	23	4.1	9.6	1690	A052_ 9.6 S1 M1LA2	113	A052_ 9.6 P80 BN80A2	113
330	20	4.4	8.5	1640	A052_ 8.5 S1 M1LA2	113	A052_ 8.5 P80 BN80A2	113
390	17.3	4.9	7.2	1570	A052_ 7.2 S1 M1LA2	113	A052_ 7.2 P80 BN80A2	113
444	15.2	5.3	6.3	1510	A052_ 6.3 S1 M1LA2	113	A052_ 6.3 P80 BN80A2	113
514	13.1	5.7	5.5	1450	A052_ 5.5 S1 M1LA2	113	A052_ 5.5 P80 BN80A2	113







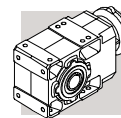
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n_2 min ⁻¹	M ₂ Nm	S	i	R _{n2} N				
0.61	15320	0.9	1507	75000	A904_1507 S3 M3SA6	154	A904_1507 P90 BN90L6	155
0.69	13462	1.0	1324	75000	A904_1324 S3 M3SA6	154	A904_1324 P90 BN90L6	155
0.75	12427	1.1	1222	75000	A904_1222 S3 M3SA6	154	A904_1222 P90 BN90L6	155
0.86	10907	1.3	1632	75000	A904_1632 S2 M2SB4	154	A904_1632 P90 BN90S4	155
0.93	10068	1.4	1507	75000	A904_1507 S2 M2SB4	154	A904_1507 P90 BN90S4	155
1.0	8953	0.9	1340	65000	A804_1340 S2 M2SB4	151	A804_1340 P90 BN90S4	152
1.1	8847	1.6	1324	75000	A904_1324 S2 M2SB4	154	A904_1324 P90 BN90S4	155
1.1	8264	1.0	1237	65000	A804_1237 S2 M2SB4	151	A804_1237 P90 BN90S4	152
1.1	8166	1.7	1222	75000	A904_1222 S2 M2SB4	154	A904_1222 P90 BN90S4	155
1.3	7421	1.9	1111	75000	A904_1111 S2 M2SB4	154	A904_1111 P90 BN90S4	155
1.3	7249	1.1	1085	65000	A804_1085 S2 M2SB4	151	A804_1085 P90 BN90S4	152
1.4	6850	2.0	1025	75000	A904_1025 S2 M2SB4	154	A904_1025 P90 BN90S4	155
1.4	6691	1.2	1001	65000	A804_1001 S2 M2SB4	151	A804_1001 P90 BN90S4	152
1.5	6262	2.2	937.2	75000	A904_937.2 S2 M2SB4	154	A904_937.2 P90 BN90S4	155
1.6	6005	1.3	898.7	65000	A804_898.7 S2 M2SB4	151	A804_898.7 P90 BN90S4	152
1.6	5780	2.4	865.1	75000	A904_865.1 S2 M2SB4	154	A904_865.1 P90 BN90S4	155
1.6	5715	0.9	855.3	50000	A704_855.3 S2 M2SB4	148	A704_855.3 P90 BN90S4	149
1.7	5543	1.4	829.5	65000	A804_829.5 S2 M2SB4	151	A804_829.5 P90 BN90S4	152
1.8	5124	2.7	766.9	75000	A904_766.9 S2 M2SB4	154	A904_766.9 P90 BN90S4	155
1.8	5104	1.0	763.9	50000	A704_763.9 S2 M2SB4	148	A704_763.9 P90 BN90S4	149
1.8	5092	1.6	762.1	65000	A804_762.1 S2 M2SB4	151	A804_762.1 P90 BN90S4	152
2.0	4730	3.0	707.9	75000	A904_707.9 S2 M2SB4	154	A904_707.9 P90 BN90S4	155
2.0	4711	1.1	705.1	50000	A704_705.1 S2 M2SB4	148	A704_705.1 P90 BN90S4	149
2.0	4700	1.7	703.5	65000	A804_703.5 S2 M2SB4	151	A804_703.5 P90 BN90S4	152
2.2	4307	1.2	644.6	50000	A704_644.6 S2 M2SB4	148	A704_644.6 P90 BN90S4	149
2.3	4057	2.0	607.2	65000	A804_607.2 S2 M2SB4	151	A804_607.2 P90 BN90S4	152
2.3	4019	3.5	601.6	75000	A904_601.6 S2 M2SB4	154	A904_601.6 P90 BN90S4	155
2.4	3976	1.3	595.0	50000	A704_595.0 S2 M2SB4	148	A704_595.0 P90 BN90S4	149
2.5	3745	2.1	560.5	65000	A804_560.5 S2 M2SB4	151	A804_560.5 P90 BN90S4	152
2.7	3444	1.5	515.4	50000	A704_515.4 S2 M2SB4	148	A704_515.4 P90 BN90S4	149
2.9	3200	2.5	478.9	65000	A804_478.9 S2 M2SB4	151	A804_478.9 P90 BN90S4	152
2.9	3179	1.6	475.8	50000	A704_475.8 S2 M2SB4	148	A704_475.8 P90 BN90S4	149
3.2	2954	2.7	442.1	65000	A804_442.1 S2 M2SB4	151	A804_442.1 P90 BN90S4	152
3.2	2929	1.0	438.4	30000	A604_438.4 S2 M2SB4	144	A604_438.4 P90 BN90S4	145
3.5	2704	1.0	404.7	30000	A604_404.7 S2 M2SB4	144	A604_404.7 P90 BN90S4	145
3.5	2674	1.9	400.2	50000	A704_400.2 S2 M2SB4	148	A704_400.2 P90 BN90S4	149
3.7	2562	3.1	383.5	65000	A804_383.5 S2 M2SB4	151	A804_383.5 P90 BN90S4	152
3.8	2468	2.0	369.4	50000	A704_369.4 S2 M2SB4	148	A704_369.4 P90 BN90S4	152
4.0	2365	3.4	354.0	65000	A804_354.0 S2 M2SB4	151	A804_354.0 P90 BN90S4	152
4.0	2347	1.2	351.2	30000	A604_351.2 S2 M2SB4	144	A604_351.2 P90 BN90S4	145
4.3	2166	1.3	324.2	30000	A604_324.2 S2 M2SB4	144	A604_324.2 P90 BN90S4	145
4.4	2114	2.4	316.4	50000	A704_316.4 S2 M2SB4	148	A704_316.4 P90 BN90S4	149
4.8	1951	2.6	292.0	50000	A704_292.0 S2 M2SB4	148	A704_292.0 P90 BN90S4	149
4.9	1913	1.5	286.3	30000	A604_286.3 S2 M2SB4	144	A604_286.3 P90 BN90S4	145
5.3	1766	1.6	264.3	30000	A604_264.3 S2 M2SB4	144	A604_264.3 P90 BN90S4	145
5.4	1743	0.9	260.9	20000	A504_260.9 S2 M2SB4	136	A504_260.9 P90 BN90S4	137
5.9	1594	3.1	238.6	50000	A704_238.6 S2 M2SB4	148	A704_238.6 P90 BN90S4	149
6.0	1550	1.0	232.0	20000	A504_232.0 S2 M2SB4	136	A504_232.0 P90 BN90S4	137
6.2	1511	1.9	226.1	30000	A604_226.1 S2 M2SB4	144	A604_226.1 P90 BN90S4	145
6.4	1472	3.4	220.3	50000	A704_220.3 S2 M2SB4	148	A704_220.3 P90 BN90S4	149
6.6	1410	1.1	211.0	20000	A504_211.0 S2 M2SB4	136	A504_211.0 P90 BN90S4	137
6.7	1395	2.0	208.7	30000	A604_208.7 S2 M2SB4	144	A604_208.7 P90 BN90S4	145
7.2	1327	1.5	194.2	30000	A553_194.2 S2 M2SB4	140	A553_194.2 P90 BN90S4	141
7.3	1302	1.2	190.6	20000	A503_190.6 S2 M2SB4	136	A503_190.6 P90 BN90S4	137
7.5	1269	2.2	185.8	30000	A603_185.8 S2 M2SB4	144	A603_185.8 P90 BN90S4	145
8.0	1196	1.7	175.0	30000	A553_175.0 S2 M2SB4	140	A553_175.0 P90 BN90S4	141
8.1	1184	1.3	173.4	20000	A503_173.4 S2 M2SB4	136	A503_173.4 P90 BN90S4	137
8.2	1171	2.4	171.5	30000	A603_171.5 S2 M2SB4	144	A603_171.5 P90 BN90S4	145
8.7	1096	1.8	160.4	30000	A553_160.4 S2 M2SB4	140	A553_160.4 P90 BN90S4	141
9.0	1066	2.6	156.0	30000	A603_156.0 S2 M2SB4	144	A603_156.0 P90 BN90S4	145
9.1	1056	1.4	154.6	20000	A503_154.6 S2 M2SB4	136	A503_154.6 P90 BN90S4	137
9.5	1003	2.0	146.8	30000	A553_146.8 S2 M2SB4	140	A553_146.8 P90 BN90S4	141
9.7	984	2.8	144.0	30000	A603_144.0 S2 M2SB4	144	A603_144.0 P90 BN90S4	145



1.1 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
10.0	961	1.6	140.6	20000	A503_ 140.6 S2 M2SB4	136	A503_ 140.6 P90 BN90S4	137
10.5	911	3.1	133.3	30000	A603_ 133.3 S2 M2SB4	144	A603_ 133.3 P90 BN90S4	145
10.5	907	2.2	132.7	30000	A553_ 132.7 S2 M2SB4	140	A553_ 132.7 P90 BN90S4	141
10.8	886	1.7	129.7	20000	A503_ 129.7 S2 M2SB4	136	A503_ 129.7 P90 BN90S4	137
11.3	846	2.4	123.9	30000	A553_ 123.9 S2 M2SB4	140	A553_ 123.9 P90 BN90S4	141
11.4	841	3.3	123.0	30000	A603_ 123.0 S2 M2SB4	144	A603_ 123.0 P90 BN90S4	145
11.9	806	1.9	118.0	20000	A503_ 118.0 S2 M2SB4	136	A503_ 118.0 P90 BN90S4	137
12.1	792	1.1	115.9	15000	A413_ 115.9 S2 M2SB4	132	A413_ 115.9 P90 BN90S4	133
12.8	748	2.0	109.4	20000	A503_ 109.4 S2 M2SB4	136	A503_ 109.4 P90 BN90S4	137
13.8	693	2.9	101.4	30000	A553_ 101.4 S2 M2SB4	140	A553_ 101.4 P90 BN90S4	141
14.1	680	2.2	99.5	20000	A503_ 99.5 S2 M2SB4	136	A503_ 99.5 P90 BN90S4	137
15.1	634	1.3	92.8	15000	A413_ 92.8 S2 M2SB4	132	A413_ 92.8 P90 BN90S4	133
15.6	612	2.5	89.5	20000	A503_ 89.5 S2 M2SB4	136	A503_ 89.5 P90 BN90S4	137
17.0	582	1.0	82.5	12000	A352_ 82.5 S2 M2SB4	128	A352_ 82.5 P90 BN90S4	129
17.2	556	2.7	81.5	20000	A503_ 81.5 S2 M2SB4	136	A503_ 81.5 P90 BN90S4	137
17.7	559	1.5	79.2	15000	A412_ 79.2 S2 M2SB4	132	A412_ 79.2 P90 BN90S4	133
18.8	524	1.1	74.3	12000	A352_ 74.3 S2 M2SB4	128	A352_ 74.3 P90 BN90S4	129
19.6	503	1.7	71.3	15000	A412_ 71.3 S2 M2SB4	132	A412_ 71.3 P90 BN90S4	133
19.9	480	3.1	70.2	20000	A503_ 70.2 S2 M2SB4	136	A503_ 70.2 P90 BN90S4	137
21.3	465	1.3	65.8	12000	A352_ 65.8 S2 M2SB4	128	A352_ 65.8 P90 BN90S4	129
21.8	453	1.9	64.2	15000	A412_ 64.2 S2 M2SB4	132	A412_ 64.2 P90 BN90S4	133
21.9	436	3.4	63.9	20000	A503_ 63.9 S2 M2SB4	136	A503_ 63.9 P90 BN90S4	137
23.2	426	1.4	60.4	12000	A352_ 60.4 S2 M2SB4	128	A352_ 60.4 P90 BN90S4	129
23.6	419	1.0	59.4	7420	A302_ 59.4 S2 M2SB4	124	A302_ 59.4 P90 BN90S4	125
23.8	415	2.0	58.8	15000	A412_ 58.8 S2 M2SB4	132	A412_ 58.8 P90 BN90S4	133
25.8	383	1.6	54.3	12000	A352_ 54.3 S2 M2SB4	128	A352_ 54.3 P90 BN90S4	129
26.3	375	2.3	53.1	15000	A412_ 53.1 S2 M2SB4	132	A412_ 53.1 P90 BN90S4	133
26.6	372	1.1	52.7	7310	A302_ 52.7 S2 M2SB4	124	A302_ 52.7 P90 BN90S4	125
28.5	346	1.7	49.1	11800	A352_ 49.1 S2 M2SB4	128	A352_ 49.1 P90 BN90S4	129
29.0	341	1.2	48.3	7220	A302_ 48.3 S2 M2SB4	124	A302_ 48.3 P90 BN90S4	125
29.0	341	2.5	48.3	15000	A412_ 48.3 S2 M2SB4	132	A412_ 48.3 P90 BN90S4	133
31	323	1.9	45.8	11700	A352_ 45.8 S2 M2SB4	128	A352_ 45.8 P90 BN90S4	129
31	318	2.6	45.1	15000	A412_ 45.1 S2 M2SB4	132	A412_ 45.1 P90 BN90S4	133
32	306	1.3	43.4	7100	A302_ 43.4 S2 M2SB4	124	A302_ 43.4 P90 BN90S4	125
34	295	2.0	41.8	11400	A352_ 41.8 S2 M2SB4	128	A352_ 41.8 P90 BN90S4	129
36	277	1.5	39.3	6970	A302_ 39.3 S2 M2SB4	124	A302_ 39.3 P90 BN90S4	125
38	259	1.6	36.6	6880	A302_ 36.6 S2 M2SB4	124	A302_ 36.6 P90 BN90S4	125
38	258	2.3	36.6	11100	A352_ 36.6 S2 M2SB4	128	A352_ 36.6 P90 BN90S4	129
39	253	3.1	35.9	14300	A412_ 35.9 S2 M2SB4	132	A412_ 35.9 P90 BN90S4	133
40	250	1.0	35.4	4380	A202_ 35.4 S2 M2SB4	120	A202_ 35.4 P90 BN90S4	121
42	236	1.7	33.4	6760	A302_ 33.4 S2 M2SB4	124	A302_ 33.4 P90 BN90S4	125
42	234	2.6	33.2	10800	A352_ 33.2 S2 M2SB4	128	A352_ 33.2 P90 BN90S4	129
45	221	1.1	31.3	4320	A202_ 31.3 S2 M2SB4	120	A202_ 31.3 P90 BN90S4	121
48	207	2.0	29.3	6580	A302_ 29.3 S2 M2SB4	124	A302_ 29.3 P90 BN90S4	125
48	206	1.2	29.2	4290	A202_ 29.2 S2 M2SB4	120	A202_ 29.2 P90 BN90S4	121
49	201	3.0	28.4	10400	A352_ 28.4 S2 M2SB4	128	A352_ 28.4 P90 BN90S4	129
53	187	2.2	26.5	6440	A302_ 26.5 S2 M2SB4	124	A302_ 26.5 P90 BN90S4	125
53	187	1.3	26.5	4230	A202_ 26.5 S2 M2SB4	120	A202_ 26.5 P90 BN90S4	121
55	181	3.3	25.7	10100	A352_ 25.7 S2 M2SB4	128	A352_ 25.7 P90 BN90S4	129
59	168	0.9	23.8	3640	A102_ 23.8 S2 M2SB4	116	A102_ 23.8 P90 BN90S4	117
61	163	1.5	23.1	4140	A202_ 23.1 S2 M2SB4	120	A202_ 23.1 P90 BN90S4	121
62	161	2.6	22.8	6220	A302_ 22.8 S2 M2SB4	124	A302_ 22.8 P90 BN90S4	125
66	151	1.0	21.4	4280	A102_ 21.4 S2 M2SB4	116	A102_ 21.4 P90 BN90S4	117
66	150	1.7	21.2	4080	A202_ 21.2 S2 M2SB4	120	A202_ 21.2 P90 BN90S4	121
68	145	2.8	20.5	6070	A302_ 20.5 S2 M2SB4	124	A302_ 20.5 P90 BN90S4	125
75	131	1.1	18.6	3540	A102_ 18.6 S2 M2SB4	116	A102_ 18.6 P90 BN90S4	117
77	128	2.0	18.1	3970	A202_ 18.1 S2 M2SB4	120	A202_ 18.1 P90 BN90S4	121
78	127	3.2	18.0	5880	A302_ 18.0 S2 M2SB4	124	A302_ 18.0 P90 BN90S4	125
85	116	1.3	16.4	4130	A102_ 16.4 S2 M2SB4	116	A102_ 16.4 P90 BN90S4	117
86	115	3.3	16.3	5740	A302_ 16.3 S2 M2SB4	124	A302_ 16.3 P90 BN90S4	125
87	114	2.2	16.2	3880	A202_ 16.2 S2 M2SB4	120	A202_ 16.2 P90 BN90S4	121
99	99	2.5	14.1	3770	A202_ 14.1 S2 M2SB4	120	A202_ 14.1 P90 BN90S4	121
101	98	1.0	13.9	1840	A052_ 13.9 S2 M2SB4	113		

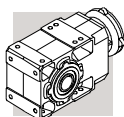


1.1 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N			IEC	
101	98	1.5	13.9	3380	A102_ 13.9 S2 M2SB4	116	A102_ 13.9 P90 BN90S4	117
114	87	1.2	12.3	1850	A052_ 12.3 S2 M2SB4	113		
114	87	1.6	12.3	3300	A102_ 12.3 S2 M2SB4	116	A102_ 12.3 P90 BN90S4	117
117	84	2.5	12.0	3620	A202_ 12.0 S2 M2SB4	120	A202_ 12.0 P90 BN90S4	121
133	75	1.3	10.6	1810	A052_ 10.6 S2 M2SB4	113		
133	75	2.0	10.6	3210	A102_ 10.6 S2 M2SB4	116	A102_ 10.6 P90 BN90S4	117
135	73	3.1	10.3	3510	A202_ 10.3 S2 M2SB4	120	A202_ 10.3 P90 BN90S4	121
146	68	1.5	9.6	1810	A052_ 9.6 S2 M2SB4	113		
146	68	2.1	9.6	3140	A102_ 9.6 S2 M2SB4	116	A102_ 9.6 P90 BN90S4	117
149	66	3.2	9.4	3420	A202_ 9.4 S2 M2SB4	120	A202_ 9.4 P90 BN90S4	121
164	60	1.7	8.5	1780	A052_ 8.5 S2 M2SB4	113		
164	60	2.3	8.5	3630	A102_ 8.5 S2 M2SB4	116	A102_ 8.5 P90 BN90S4	117
194	51	2.0	7.2	1730	A052_ 7.2 S2 M2SB4	113		
194	51	2.8	7.2	2940	A102_ 7.2 S2 M2SB4	116	A102_ 7.2 P90 BN90S4	117
221	45	2.2	6.3	1690	A052_ 6.3 S2 M2SB4	113		
221	45	3.1	6.3	3390	A102_ 6.3 S2 M2SB4	116	A102_ 6.3 P90 BN90S4	117
228	43	3.2	12.3	2830	A102_ 12.3 S2 M2SA2	116	A102_ 12.3 P80 BN80B2	117
256	39	2.5	5.5	1640	A052_ 5.5 S2 M2SB4	113		
291	34	2.8	9.6	1600	A052_ 9.6 S2 M2SA2	113	A052_ 9.6 P80 BN80B2	113
329	30	3.0	8.5	1560	A052_ 8.5 S2 M2SA2	113	A052_ 8.5 P80 BN80B2	113
388	25	3.3	7.2	1500	A052_ 7.2 S2 M2SA2	113	A052_ 7.2 P80 BN80B2	113
442	22	3.6	6.3	1450	A052_ 6.3 S2 M2SA2	113	A052_ 6.3 P80 BN80B2	113
512	19.3	3.9	5.5	1400	A052_ 5.5 S2 M2SA2	113	A052_ 5.5 P80 BN80B2	113

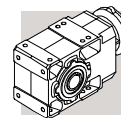
1.5 kW

0.86	14767	0.9	1632	75000	A904_ 1632 S3 M3SA4	154	A904_ 1632 P90 BN90LA4	155
0.94	13631	1.0	1507	75000	A904_ 1507 S3 M3SA4	154	A904_ 1507 P90 BN90LA4	155
1.1	11978	1.2	1324	75000	A904_ 1324 S3 M3SA4	154	A904_ 1324 P90 BN90LA4	155
1.2	11057	1.3	1222	75000	A904_ 1222 S3 M3SA4	154	A904_ 1222 P90 BN90LA4	155
1.3	10047	1.4	1111	75000	A904_ 1111 S3 M3SA4	154	A904_ 1111 P90 BN90LA4	155
1.4	9274	1.5	1025	75000	A904_ 1025 S3 M3SA4	154	A904_ 1025 P90 BN90LA4	155
1.4	9060	0.9	1001	65000	A804_ 1001 S3 M3SA4	151	A804_ 1001 P90 BN90LA4	152
1.5	8478	1.7	937.2	75000	A904_ 937.2 S3 M3SA4	154	A904_ 937.2 P90 BN90LA4	155
1.6	8130	1.0	898.7	65000	A804_ 898.7 S3 M3SA4	151	A804_ 898.7 P90 BN90LA4	152
1.6	7826	1.8	865.1	75000	A904_ 865.1 S3 M3SA4	154	A904_ 865.1 P90 BN90LA4	155
1.7	7505	1.1	829.5	65000	A804_ 829.5 S3 M3SA4	151	A804_ 829.5 P90 BN90LA4	152
1.8	6938	2.0	766.9	75000	A904_ 766.9 S3 M3SA4	154	A904_ 766.9 P90 BN90LA4	155
1.9	6894	1.2	762.1	65000	A804_ 762.1 S3 M3SA4	151	A804_ 762.1 P90 BN90LA4	152
2.0	6404	2.2	707.9	75000	A904_ 707.9 S3 M3SA4	154	A904_ 707.9 P90 BN90LA4	155
2.0	6364	1.3	703.5	65000	A804_ 703.5 S3 M3SA4	151	A804_ 703.5 P90 BN90LA4	152
2.2	5832	0.9	644.6	50000	A704_ 644.6 S3 M3SA4	148	A704_ 644.6 P90 BN90LA4	149
2.3	5493	1.5	607.2	65000	A804_ 607.2 S3 M3SA4	151	A804_ 607.2 P90 BN90LA4	152
2.3	5442	2.6	601.6	75000	A904_ 601.6 S3 M3SA4	154	A904_ 601.6 P90 BN90LA4	155
2.4	5383	0.9	595.0	50000	A704_ 595.0 S3 M3SA4	148	A704_ 595.0 P90 BN90LA4	149
2.5	5070	1.6	560.5	65000	A804_ 560.5 S3 M3SA4	151	A804_ 560.5 P90 BN90LA4	152
2.5	5024	2.8	555.3	75000	A904_ 555.3 S3 M3SA4	154	A904_ 555.3 P90 BN90LA4	155
2.7	4663	1.1	515.4	50000	A704_ 515.4 S3 M3SA4	148	A704_ 515.4 P90 BN90LA4	149
2.9	4402	3.2	486.6	75000	A904_ 486.6 S3 M3SA4	154	A904_ 486.6 P90 BN90LA4	155
2.9	4333	1.8	478.9	65000	A804_ 478.9 S3 M3SA4	151	A804_ 478.9 P90 BN90LA4	152
3.0	4304	1.2	475.8	50000	A704_ 475.8 S3 M3SA4	148	A704_ 475.8 P90 BN90LA4	149
3.1	4063	3.4	449.2	75000	A904_ 449.2 S3 M3SA4	154	A904_ 449.2 P90 BN90LA4	155
3.2	3999	2.0	442.1	65000	A804_ 442.1 S3 M3SA4	151	A804_ 442.1 P90 BN90LA4	152
3.5	3620	1.4	400.2	50000	A704_ 400.2 S3 M3SA4	148	A704_ 400.2 P90 BN90LA4	149
3.7	3469	2.3	383.5	65000	A804_ 383.5 S3 M3SA4	151	A804_ 383.5 P90 BN90LA4	152
3.8	3342	1.5	369.4	50000	A704_ 369.4 S3 M3SA4	148	A704_ 369.4 P90 BN90LA4	149
4.0	3202	2.5	354.0	65000	A804_ 354.0 S3 M3SA4	151	A804_ 354.0 P90 BN90LA4	152
4.0	3177	0.9	351.2	30000	A604_ 351.2 S3 M3SA4	144	A604_ 351.2 P90 BN90LA4	145
4.3	2933	1.0	324.2	30000	A604_ 324.2 S3 M3SA4	144	A604_ 324.2 P90 BN90LA4	145
4.5	2862	1.7	316.4	50000	A704_ 316.4 S3 M3SA4	148	A704_ 316.4 P90 BN90LA4	149
4.7	2718	2.9	300.4	65000	A804_ 300.4 S3 M3SA4	151	A804_ 300.4 P90 BN90LA4	152



1.5 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				
4.8	2642	1.9	292.0	50000	A704_ 292.0 S3 M3SA4	148	A704_ 292.0 P90 BN90LA4	149
4.9	2590	1.1	286.3	30000	A604_ 286.3 S3 M3SA4	144	A604_ 286.3 P90 BN90LA4	145
5.1	2509	3.2	277.3	65000	A804_ 277.3 S3 M3SA4	151	A804_ 277.3 P90 BN90LA4	152
5.3	2391	1.2	264.3	30000	A604_ 264.3 S3 M3SA4	144	A604_ 264.3 P90 BN90LA4	145
5.9	2159	2.3	238.6	50000	A704_ 238.6 S3 M3SA4	148	A704_ 238.6 P90 BN90LA4	149
6.2	2046	1.4	226.1	30000	A604_ 226.1 S3 M3SA4	144	A604_ 226.1 P90 BN90LA4	145
6.4	1993	2.5	220.3	50000	A704_ 220.3 S3 M3SA4	148	A704_ 220.3 P90 BN90LA4	149
6.8	1888	1.5	208.7	30000	A604_ 208.7 S3 M3SA4	144	A604_ 208.7 P90 BN90LA4	145
7.3	1796	1.1	194.2	30000	A553_ 194.2 S3 M3SA4	140	A553_ 194.2 P90 BN90LA4	141
7.6	1718	1.6	185.8	30000	A603_ 185.8 S3 M3SA4	144	A603_ 185.8 P90 BN90LA4	145
7.7	1664	3.0	183.9	50000	A704_ 183.9 S3 M3SA4	148	A704_ 183.9 P90 BN90LA4	149
8.1	1619	1.2	175.0	30000	A553_ 175.0 S3 M3SA4	140	A553_ 175.0 P90 BN90LA4	141
8.1	1604	0.9	173.4	20000	A503_ 173.4 S3 M3SA4	136	A503_ 173.4 P90 BN90LA4	137
8.2	1586	1.8	171.5	30000	A603_ 171.5 S3 M3SA4	144	A603_ 171.5 P90 BN90LA4	145
8.3	1536	3.3	169.8	50000	A704_ 169.8 S3 M3SA4	148	A704_ 169.8 P90 BN90LA4	149
8.8	1484	1.3	160.4	30000	A553_ 160.4 S3 M3SA4	140	A553_ 160.4 P90 BN90LA4	141
9.0	1443	1.9	156.0	30000	A603_ 156.0 S3 M3SA4	144	A603_ 156.0 P90 BN90LA4	145
9.1	1430	1.0	154.6	20000	A503_ 154.6 S3 M3SA4	136	A503_ 154.6 P90 BN90LA4	137
9.2	1422	2.8	153.7	50000	A703_ 153.7 S3 M3SA4	148	A703_ 153.7 P90 BN90LA4	149
9.6	1358	1.5	146.8	30000	A553_ 146.8 S3 M3SA4	140	A553_ 146.8 P90 BN90LA4	141
9.8	1332	2.1	144.0	30000	A603_ 144.0 S3 M3SA4	144	A603_ 144.0 P90 BN90LA4	145
10.0	1301	1.2	140.6	20000	A503_ 140.6 S3 M3SA4	136	A503_ 140.6 P90 BN90LA4	137
10.6	1233	2.3	133.3	30000	A603_ 133.3 S3 M3SA4	144	A603_ 133.3 P90 BN90LA4	145
10.6	1228	1.6	132.7	30000	A553_ 132.7 S3 M3SA4	140	A553_ 132.7 P90 BN90LA4	141
10.9	1199	1.3	129.7	20000	A503_ 129.7 S3 M3SA4	136	A503_ 129.7 P90 BN90LA4	137
11.4	1146	1.7	123.9	30000	A553_ 123.9 S3 M3SA4	140	A553_ 123.9 P90 BN90LA4	141
11.5	1138	2.5	123.0	30000	A603_ 123.0 S3 M3SA4	144	A603_ 123.0 P90 BN90LA4	145
12.0	1091	1.4	118.0	20000	A503_ 118.0 S3 M3SA4	136	A503_ 118.0 P90 BN90LA4	137
12.9	1012	1.5	109.4	20000	A503_ 109.4 S3 M3SA4	136	A503_ 109.4 P90 BN90LA4	137
13.1	997	2.8	107.8	30000	A603_ 107.8 S3 M3SA4	144	A603_ 107.8 P90 BN90LA4	145
13.9	938	2.1	101.4	30000	A553_ 101.4 S3 M3SA4	140	A553_ 101.4 P90 BN90LA4	141
14.2	921	1.6	99.5	20000	A503_ 99.5 S3 M3SA4	136	A503_ 99.5 P90 BN90LA4	137
14.2	920	3.0	99.5	30000	A603_ 99.5 S3 M3SA4	144	A603_ 99.5 P90 BN90LA4	145
15.2	858	0.9	92.8	15000	A413_ 92.8 S3 M3SA4	132	A413_ 92.8 P90 BN90LA4	133
15.7	828	1.8	89.5	20000	A503_ 89.5 S3 M3SA4	136	A503_ 89.5 P90 BN90LA4	137
16.3	799	3.5	86.4	30000	A603_ 86.4 S3 M3SA4	144	A603_ 86.4 P90 BN90LA4	145
17.3	753	2.0	81.5	20000	A503_ 81.5 S3 M3SA4	136	A503_ 81.5 P90 BN90LA4	137
17.7	736	2.7	79.5	30000	A553_ 79.5 S3 M3SA4	140	A553_ 79.5 P90 BN90LA4	141
17.8	757	1.1	79.2	15000	A412_ 79.2 S3 M3SA4	132	A412_ 79.2 P90 BN90LA4	133
19.8	681	1.2	71.3	15000	A412_ 71.3 S3 M3SA4	132	A412_ 71.3 P90 BN90LA4	133
20.1	650	2.3	70.2	20000	A503_ 70.2 S3 M3SA4	136	A503_ 70.2 P90 BN90LA4	137
21.4	629	1.0	65.8	11600	A352_ 65.8 S3 M3SA4	128	A352_ 65.8 P90 BN90LA4	129
21.9	595	3.4	64.3	30000	A553_ 64.3 S3 M3SA4	140	A553_ 64.3 P90 BN90LA4	141
22.0	613	1.4	64.2	15000	A412_ 64.2 S3 M3SA4	132	A412_ 64.2 P90 BN90LA4	133
22.1	591	2.5	63.9	20000	A503_ 63.9 S3 M3SA4	136	A503_ 63.9 P90 BN90LA4	137
23.4	577	1.0	60.4	11500	A352_ 60.4 S3 M3SA4	128	A352_ 60.4 P90 BN90LA4	129
24.0	562	1.5	58.8	15000	A412_ 58.8 S3 M3SA4	132	A412_ 58.8 P90 BN90LA4	133
24.8	526	2.9	56.8	20000	A503_ 56.8 S3 M3SA4	136	A503_ 56.8 P90 BN90LA4	137
26.0	519	1.2	54.3	11300	A352_ 54.3 S3 M3SA4	128	A352_ 54.3 P90 BN90LA4	129
26.5	508	1.7	53.1	15000	A412_ 53.1 S3 M3SA4	132	A412_ 53.1 P90 BN90LA4	133
27.3	478	3.1	51.7	19700	A503_ 51.7 S3 M3SA4	136	A503_ 51.7 P90 BN90LA4	137
28.7	469	1.3	49.1	11100	A352_ 49.1 S3 M3SA4	128	A352_ 49.1 P90 BN90LA4	129
29.2	461	1.8	48.3	14900	A412_ 48.3 S3 M3SA4	132	A412_ 48.3 P90 BN90LA4	133
31	438	1.4	45.8	11000	A352_ 45.8 S3 M3SA4	128	A352_ 45.8 P90 BN90LA4	129
31	431	1.9	45.1	14600	A412_ 45.1 S3 M3SA4	132	A412_ 45.1 P90 BN90LA4	133
32	415	1.0	43.4	6450	A302_ 43.4 S3 M3SA4	124	A302_ 43.4 P90 BN90LA4	125
34	399	1.5	41.8	10800	A352_ 41.8 S3 M3SA4	128	A352_ 41.8 P90 BN90LA4	129
36	375	1.1	39.3	6380	A302_ 39.3 S3 M3SA4	124	A302_ 39.3 P90 BN90LA4	125
38	350	1.2	36.6	6330	A302_ 36.6 S3 M3SA4	124	A302_ 36.6 P90 BN90LA4	125
38	350	1.7	36.6	10500	A352_ 36.6 S3 M3SA4	128	A352_ 36.6 P90 BN90LA4	129
39	343	2.3	35.9	13800	A412_ 35.9 S3 M3SA4	132	A412_ 35.9 P90 BN90LA4	133
42	319	1.3	33.4	6260	A302_ 33.4 S3 M3SA4	124	A302_ 33.4 P90 BN90LA4	125
43	317	1.9	33.2	10300	A352_ 33.2 S3 M3SA4	128	A352_ 33.2 P90 BN90LA4	129
48	280	1.5	29.3	6140	A302_ 29.3 S3 M3SA4	124	A302_ 29.3 P90 BN90LA4	125
50	272	2.2	28.4	9940	A352_ 28.4 S3 M3SA4	128	A352_ 28.4 P90 BN90LA4	129

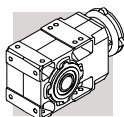


1.5 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N					
50	271	2.7	28.3	13000	A412_ 28.3 S3 M3SA4	132	A412_ 28.3 P90 BN90LA4	133	
53	254	1.6	26.5	6040	A302_ 26.5 S3 M3SA4	124	A302_ 26.5 P90 BN90LA4	125	
53	253	1.0	26.5	3790	A202_ 26.5 S3 M3SA4	120	A202_ 26.5 P90 BN90LA4	121	
55	245	2.4	25.7	9710	A352_ 25.7 S3 M3SA4	128	A352_ 25.7 P90 BN90LA4	129	
61	221	1.1	23.1	3760	A202_ 23.1 S3 M3SA4	120	A202_ 23.1 P90 BN90LA4	121	
62	217	1.9	22.8	5870	A302_ 22.8 S3 M3SA4	124	A302_ 22.8 P90 BN90LA4	125	
62	217	3.1	22.7	12200	A412_ 22.7 S3 M3SA4	132	A412_ 22.7 P90 BN90LA4	133	
63	215	2.8	22.5	9400	A352_ 22.5 S3 M3SA4	128	A352_ 22.5 P90 BN90LA4	129	
66	203	1.2	21.2	3730	A202_ 21.2 S3 M3SA4	120	A202_ 21.2 P90 BN90LA4	121	
69	196	2.1	20.5	5760	A302_ 20.5 S3 M3SA4	124	A302_ 20.5 P90 BN90LA4	125	
69	195	3.1	20.4	9170	A352_ 20.4 S3 M3SA4	128	A352_ 20.4 P90 BN90LA4	129	
78	173	1.4	18.1	3660	A202_ 18.1 S3 M3SA4	120	A202_ 18.1 P90 BN90LA4	121	
78	172	2.3	18.0	5600	A302_ 18.0 S3 M3SA4	124	A302_ 18.0 P90 BN90LA4	125	
86	157	1.0	16.4	3720	A102_ 16.4 S3 M3SA4	116	A102_ 16.4 P90 BN90LA4	117	
86	156	2.5	16.3	5480	A302_ 16.3 S3 M3SA4	124	A302_ 16.3 P90 BN90LA4	125	
87	154	1.6	16.2	3600	A202_ 16.2 S3 M3SA4	120	A202_ 16.2 P90 BN90LA4	121	
100	134	1.8	14.1	3530	A202_ 14.1 S3 M3SA4	120	A202_ 14.1 P90 BN90LA4	121	
101	133	1.1	13.9	3090	A102_ 13.9 S3 M3SA4	116	A102_ 13.9 P90 BN90LA4	117	
104	130	2.9	13.6	5250	A302_ 13.6 S3 M3SA4	124	A302_ 13.6 P90 BN90LA4	125	
115	118	1.2	12.3	3040	A102_ 12.3 S3 M3SA4	116	A102_ 12.3 P90 BN90LA4	117	
118	114	1.8	12.0	3420	A202_ 12.0 S3 M3SA4	120	A202_ 12.0 P90 BN90LA4	121	
120	113	2.7	11.8	5060	A302_ 11.8 S3 M3SA4	124	A302_ 11.8 P90 BN90LA4	125	
123	109	3.2	22.8	5040	A302_ 22.8 S2 M2SB2	124	A302_ 22.8 P90 BN90SA2	125	
134	101	1.5	10.6	2990	A102_ 10.6 S3 M3SA4	116	A102_ 10.6 P90 BN90LA4	117	
135	100	3.4	10.5	4930	A302_ 10.5 S3 M3SA4	124	A302_ 10.5 P90 BN90LA4	125	
136	99	2.3	10.3	3330	A202_ 10.3 S3 M3SA4	120	A202_ 10.3 P90 BN90LA4	121	
147	92	1.5	9.6	2940	A102_ 9.6 S3 M3SA4	116	A102_ 9.6 P90 BN90LA4	117	
150	90	2.3	9.4	3250	A202_ 9.4 S3 M3SA4	120	A202_ 9.4 P90 BN90LA4	121	
151	89	3.4	9.3	4770	A302_ 9.3 S3 M3SA4	124	A302_ 9.3 P90 BN90LA4	125	
166	81	1.7	8.5	3420	A102_ 8.5 S3 M3SA4	116	A102_ 8.5 P90 BN90LA4	117	
168	80	2.6	8.4	3180	A202_ 8.4 S3 M3SA4	120	A202_ 8.4 P90 BN90LA4	121	
193	70	3.0	7.3	3080	A202_ 7.3 S3 M3SA4	120	A202_ 7.3 P90 BN90LA4	121	
196	69	2.0	7.2	2790	A102_ 7.2 S3 M3SA4	116	A102_ 7.2 P90 BN90LA4	117	
216	62	3.4	6.5	3000	A202_ 6.5 S3 M3SA4	120	A202_ 6.5 P90 BN90LA4	121	
223	61	2.3	6.3	3220	A102_ 6.3 S3 M3SA4	116	A102_ 6.3 P90 BN90LA4	117	
258	52	2.7	5.5	2630	A102_ 5.5 S3 M3SA4	116	A102_ 5.5 P90 BN90LA4	117	
291	46	3.0	9.6	2560	A102_ 9.6 S2 M2SB2	116	A102_ 9.6 P90 BN90SA2	117	
329	41	3.4	8.5	2950	A102_ 8.5 S2 M2SB2	116	A102_ 8.5 P90 BN90SA2	117	
388	35	2.4	7.2	1420	A052_ 7.2 S2 M2SB2	113			
442	30	2.6	6.3	1380	A052_ 6.3 S2 M2SB2	113			
512	26	2.9	5.5	1340	A052_ 5.5 S2 M2SB2	113			

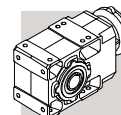
2.2 kW

1.2	16217	0.9	1222	75000	A904_ 1222 S3 M3LA4	154	A904_ 1222 P100 BN100LA4	155	
1.3	14736	1.0	1111	75000	A904_ 1111 S3 M3LA4	154	A904_ 1111 P100 BN100LA4	155	
1.4	13602	1.0	1025	75000	A904_ 1025 S3 M3LA4	154	A904_ 1025 P100 BN100LA4	155	
1.5	12435	1.1	937.2	75000	A904_ 937.2 S3 M3LA4	154	A904_ 937.2 P100 BN100LA4	155	
1.6	11479	1.2	865.1	75000	A904_ 865.1 S3 M3LA4	154	A904_ 865.1 P100 BN100LA4	155	
1.8	10176	1.4	766.9	75000	A904_ 766.9 S3 M3LA4	154	A904_ 766.9 P100 BN100LA4	155	
2.0	9393	1.5	707.9	75000	A904_ 707.9 S3 M3LA4	154	A904_ 707.9 P100 BN100LA4	155	
2.0	9334	0.9	703.5	65000	A804_ 703.5 S3 M3LA4	151	A804_ 703.5 P100 BN100LA4	152	
2.3	8056	1.0	607.2	65000	A804_ 607.2 S3 M3LA4	151	A804_ 607.2 P100 BN100LA4	152	
2.3	7982	1.8	601.6	75000	A904_ 601.6 S3 M3LA4	154	A904_ 601.6 P100 BN100LA4	155	
2.5	7436	1.1	560.5	65000	A804_ 560.5 S3 M3LA4	151	A804_ 560.5 P100 BN100LA4	152	
2.5	7368	1.9	555.3	75000	A904_ 555.3 S3 M3LA4	154	A904_ 555.3 P100 BN100LA4	155	
2.9	6456	2.2	486.6	75000	A904_ 486.6 S3 M3LA4	154	A904_ 486.6 P100 BN100LA4	155	
2.9	6355	1.3	478.9	65000	A804_ 478.9 S3 M3LA4	151	A804_ 478.9 P100 BN100LA4	152	
3.1	5960	2.3	449.2	75000	A904_ 449.2 S3 M3LA4	154	A904_ 449.2 P100 BN100LA4	155	
3.2	5866	1.4	442.1	65000	A804_ 442.1 S3 M3LA4	151	A804_ 442.1 P100 BN100LA4	152	
3.5	5310	0.9	400.2	50000	A704_ 400.2 S3 M3LA4	148	A704_ 400.2 P100 BN100LA4	149	
3.7	5114	2.7	385.4	75000	A904_ 385.4 S3 M3LA4	154	A904_ 385.4 P100 BN100LA4	155	
3.7	5088	1.6	383.5	65000	A804_ 383.5 S3 M3LA4	151	A804_ 383.5 P100 BN100LA4	152	



2.2 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
3.8	4901	1.0	369.4	50000	A704_ 369.4 S3 M3LA4	148	A704_ 369.4 P100 BN100LA4	149
4.0	4721	3.0	355.8	75000	A904_ 355.8 S3 M3LA4	154	A904_ 355.8 P100 BN100LA4	155
4.0	4697	1.7	354.0	65000	A804_ 354.0 S3 M3LA4	151	A804_ 354.0 P100 BN100LA4	152
4.5	4198	1.2	316.4	50000	A704_ 316.4 S3 M3LA4	148	A704_ 316.4 P100 BN100LA4	149
4.6	4045	3.5	304.9	75000	A904_ 304.9 S3 M3LA4	154	A904_ 304.9 P100 BN100LA4	155
4.7	3986	2.0	300.4	65000	A804_ 300.4 S3 M3LA4	151	A804_ 300.4 P100 BN100LA4	152
4.8	3875	1.3	292.0	50000	A704_ 292.0 S3 M3LA4	148	A704_ 292.0 P100 BN100LA4	149
5.1	3679	2.2	277.3	65000	A804_ 277.3 S3 M3LA4	151	A804_ 277.3 P100 BN100LA4	152
5.9	3166	1.6	238.6	50000	A704_ 238.6 S3 M3LA4	148	A704_ 238.6 P100 BN100LA4	149
6.1	3087	2.6	232.6	65000	A804_ 232.6 S3 M3LA4	151	A804_ 232.6 P100 BN100LA4	152
6.2	3000	0.9	226.1	30000	A604_ 226.1 S3 M3LA4	144	A604_ 226.1 P100 BN100LA4	145
6.4	2922	1.7	220.3	50000	A704_ 220.3 S3 M3LA4	148	A704_ 220.3 P100 BN100LA4	149
6.6	2849	2.8	214.7	65000	A804_ 214.7 S3 M3LA4	151	A804_ 214.7 P100 BN100LA4	152
6.8	2770	1.0	208.7	30000	A604_ 208.7 S3 M3LA4	144	A604_ 208.7 P100 BN100LA4	145
7.6	2520	1.1	185.8	30000	A603_ 185.8 S3 M3LA4	144	A603_ 185.8 P100 BN100LA4	145
7.7	2440	2.0	183.9	50000	A704_ 183.9 S3 M3LA4	148	A704_ 183.9 P100 BN100LA4	149
8.2	2326	1.2	171.5	30000	A603_ 171.5 S3 M3LA4	144	A603_ 171.5 P100 BN100LA4	145
8.2	2273	3.5	171.3	65000	A804_ 171.3 S3 M3LA4	151	A804_ 171.3 P100 BN100LA4	152
8.3	2252	2.2	169.8	50000	A704_ 169.8 S3 M3LA4	148	A704_ 169.8 P100 BN100LA4	149
8.8	2177	0.9	160.4	30000	A553_ 160.4 S3 M3LA4	140	A553_ 160.4 P100 BN100LA4	141
9.0	2117	1.3	156.0	30000	A603_ 156.0 S3 M3LA4	144	A603_ 156.0 P100 BN100LA4	145
9.2	2085	1.9	153.7	50000	A703_ 153.7 S3 M3LA4	148	A703_ 153.7 P100 BN100LA4	149
9.6	1992	1.0	146.8	30000	A553_ 146.8 S3 M3LA4	140	A553_ 146.8 P100 BN100LA4	141
9.8	1954	1.4	144.0	30000	A603_ 144.0 S3 M3LA4	144	A603_ 144.0 P100 BN100LA4	145
9.9	1925	2.6	141.9	50000	A703_ 141.9 S3 M3LA4	148	A703_ 141.9 P100 BN100LA4	149
10.6	1808	1.5	133.3	30000	A603_ 133.3 S3 M3LA4	144	A603_ 133.3 P100 BN100LA4	145
10.6	1801	1.1	132.7	30000	A553_ 132.7 S3 M3LA4	140	A553_ 132.7 P100 BN100LA4	141
10.8	1773	2.8	130.7	50000	A703_ 130.7 S3 M3LA4	148	A703_ 130.7 P100 BN100LA4	149
11.4	1681	1.2	123.9	30000	A553_ 123.9 S3 M3LA4	140	A553_ 123.9 P100 BN100LA4	141
11.5	1669	1.7	123.0	30000	A603_ 123.0 S3 M3LA4	144	A603_ 123.0 P100 BN100LA4	145
11.7	1636	3.1	120.6	50000	A703_ 120.6 S3 M3LA4	148	A703_ 120.6 P100 BN100LA4	149
12.0	1600	0.9	118.0	20000	A503_ 118.0 S3 M3LA4	136	A503_ 118.0 P100 BN100LA4	137
12.9	1485	1.0	109.4	20000	A503_ 109.4 S3 M3LA4	136	A503_ 109.4 P100 BN100LA4	137
13.1	1463	1.9	107.8	30000	A603_ 107.8 S3 M3LA4	144	A603_ 107.8 P100 BN100LA4	145
13.5	1414	3.5	104.2	50000	A703_ 104.2 S3 M3LA4	148	A703_ 104.2 P100 BN100LA4	149
13.9	1375	1.5	101.4	30000	A553_ 101.4 S3 M3LA4	140	A553_ 101.4 P100 BN100LA4	141
14.2	1350	1.1	99.5	20000	A503_ 99.5 S3 M3LA4	136	A503_ 99.5 P100 BN100LA4	137
14.2	1350	2.1	99.5	30000	A603_ 99.5 S3 M3LA4	144	A603_ 99.5 P100 BN100LA4	145
15.7	1215	1.2	89.5	19800	A503_ 89.5 S3 M3LA4	136	A503_ 89.5 P100 BN100LA4	137
16.3	1172	2.4	86.4	30000	A603_ 86.4 S3 M3LA4	144	A603_ 86.4 P100 BN100LA4	145
17.3	1105	1.4	81.5	19600	A503_ 81.5 S3 M3LA4	136	A503_ 81.5 P100 BN100LA4	137
17.7	1082	2.6	79.7	30000	A603_ 79.7 S3 M3LA4	144	A603_ 79.7 P100 BN100LA4	145
17.7	1079	1.9	79.5	30000	A553_ 79.5 S3 M3LA4	140	A553_ 79.5 P100 BN100LA4	141
20.0	955	2.9	70.4	30000	A603_ 70.4 S3 M3LA4	144	A603_ 70.4 P100 BN100LA4	145
20.1	953	1.6	70.2	19300	A503_ 70.2 S3 M3LA4	136	A503_ 70.2 P100 BN100LA4	137
21.7	882	3.2	65.0	30000	A603_ 65.0 S3 M3LA4	144	A603_ 65.0 P100 BN100LA4	145
21.9	873	2.3	64.3	30000	A553_ 64.3 S3 M3LA4	140	A553_ 64.3 P100 BN100LA4	141
22.0	899	0.9	64.2	14500	A412_ 64.2 S3 M3LA4	132	A412_ 64.2 P100 BN100LA4	133
22.1	867	1.7	63.9	19000	A503_ 63.9 S3 M3LA4	136	A503_ 63.9 P100 BN100LA4	137
24.0	824	1.0	58.8	14400	A412_ 58.8 S3 M3LA4	132	A412_ 58.8 P100 BN100LA4	133
24.8	771	1.9	56.8	18600	A503_ 56.8 S3 M3LA4	136	A503_ 56.8 P100 BN100LA4	137
26.5	745	1.1	53.1	14100	A412_ 53.1 S3 M3LA4	132	A412_ 53.1 P100 BN100LA4	133
27.3	701	2.1	51.7	18300	A503_ 51.7 S3 M3LA4	136	A503_ 51.7 P100 BN100LA4	137
27.7	691	2.9	51.0	30000	A553_ 51.0 S3 M3LA4	140	A553_ 51.0 P100 BN100LA4	141
28.7	688	0.9	49.1	9900	A352_ 49.1 S3 M3LA4	128	A352_ 49.1 P100 BN100LA4	129
29.2	677	1.3	48.3	13900	A412_ 48.3 S3 M3LA4	132	A412_ 48.3 P100 BN100LA4	133
31	642	0.9	45.8	9840	A352_ 45.8 S3 M3LA4	128	A352_ 45.8 P100 BN100LA4	129
31	632	1.3	45.1	13700	A412_ 45.1 S3 M3LA4	132	A412_ 45.1 P100 BN100LA4	133
31	611	2.5	45.0	17900	A503_ 45.0 S3 M3LA4	136	A503_ 45.0 P100 BN100LA4	137
34	586	1.0	41.8	9750	A352_ 41.8 S3 M3LA4	128	A352_ 41.8 P100 BN100LA4	129
34	555	2.7	40.9	17500	A503_ 40.9 S3 M3LA4	136	A503_ 40.9 P100 BN100LA4	137
38	513	1.2	36.6	9600	A352_ 36.6 S3 M3LA4	128	A352_ 36.6 P100 BN100LA4	129
39	503	1.6	35.9	13100	A412_ 35.9 S3 M3LA4	132	A412_ 35.9 P100 BN100LA4	133
40	483	3.1	35.6	17000	A503_ 35.6 S3 M3LA4	136	A503_ 35.6 P100 BN100LA4	137
43	465	1.3	33.2	9460	A352_ 33.2 S3 M3LA4	128	A352_ 33.2 P100 BN100LA4	129

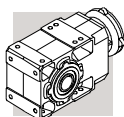


2.2 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N			IEC	
44	439	3.4	32.4	16600	A503_ 32.4 S3 M3LA4	136	A503_ 32.4 P100 BN100LA4	137
48	411	1.0	29.3	5380	A302_ 29.3 S3 M3LA4	124	A302_ 29.3 P100 BN100LA4	125
50	399	1.5	28.4	9230	A352_ 28.4 S3 M3LA4	128	A352_ 28.4 P100 BN100LA4	129
50	397	1.8	28.3	12400	A412_ 28.3 S3 M3LA4	132	A412_ 28.3 P100 BN100LA4	133
53	372	1.1	26.5	5350	A302_ 26.5 S3 M3LA4	124	A302_ 26.5 P100 BN100LA4	125
55	360	1.7	25.7	9070	A352_ 25.7 S3 M3LA4	128	A352_ 25.7 P100 BN100LA4	129
62	319	1.3	22.8	5290	A302_ 22.8 S3 M3LA4	124	A302_ 22.8 P100 BN100LA4	125
62	318	2.1	22.7	11700	A412_ 22.7 S3 M3LA4	132	A412_ 22.7 P100 BN100LA4	133
63	315	1.9	22.5	8840	A352_ 22.5 S3 M3LA4	128	A352_ 22.5 P100 BN100LA4	129
69	288	1.4	20.5	5230	A302_ 20.5 S3 M3LA4	124	A302_ 20.5 P100 BN100LA4	125
69	286	2.1	20.4	8660	A352_ 20.4 S3 M3LA4	128	A352_ 20.4 P100 BN100LA4	129
78	254	1.0	18.1	3140	A202_ 18.1 S3 M3LA4	120	A202_ 18.1 P100 BN100LA4	121
78	252	1.6	18.0	5140	A302_ 18.0 S3 M3LA4	124	A302_ 18.0 P100 BN100LA4	125
79	249	2.5	17.8	11000	A412_ 17.8 S3 M3LA4	132	A412_ 17.8 P100 BN100LA4	133
83	238	2.5	17.0	8320	A352_ 17.0 S3 M3LA4	128	A352_ 17.0 P100 BN100LA4	129
86	229	1.7	16.3	5060	A302_ 16.3 S3 M3LA4	124	A302_ 16.3 P100 BN100LA4	125
87	227	1.1	16.2	3140	A202_ 16.2 S3 M3LA4	120	A202_ 16.2 P100 BN100LA4	121
88	226	2.7	16.1	10800	A412_ 16.1 S3 M3LA4	132	A412_ 16.1 P100 BN100LA4	133
91	217	2.8	15.5	8150	A352_ 15.5 S3 M3LA4	128	A352_ 15.5 P100 BN100LA4	129
100	197	1.2	14.1	3120	A202_ 14.1 S3 M3LA4	120	A202_ 14.1 P100 BN100LA4	121
102	193	3.0	13.8	10300	A412_ 13.8 S3 M3LA4	132	A412_ 13.8 P100 BN100LA4	133
104	190	1.9	13.6	4900	A302_ 13.6 S3 M3LA4	124	A302_ 13.6 P100 BN100LA4	125
108	183	3.3	13.1	7820	A352_ 13.1 S3 M3LA4	128	A352_ 13.1 P100 BN100LA4	129
118	168	1.3	12.0	3070	A202_ 12.0 S3 M3LA4	120	A202_ 12.0 P100 BN100LA4	121
120	165	1.8	11.8	4750	A302_ 11.8 S3 M3LA4	124	A302_ 11.8 P100 BN100LA4	125
120	165	2.4	11.8	7710	A352_ 11.8 S3 M3LA4	128	A352_ 11.8 P100 BN100LA4	129
120	165	3.3	11.7	9870	A412_ 11.7 S3 M3LA4	132	A412_ 11.7 P100 BN100LA4	133
123	160	2.0	23.1	3070	A202_ 23.1 S3 M3SA2	120	A202_ 23.1 P90 BN90L2	121
133	149	2.7	10.6	7510	A352_ 10.6 S3 M3LA4	128	A352_ 10.6 P100 BN100LA4	129
134	148	1.0	10.6	2600	A102_ 10.6 S3 M3LA4	116	A102_ 10.6 P100 BN100LA4	117
135	147	2.3	10.5	4660	A302_ 10.5 S3 M3LA4	124	A302_ 10.5 P100 BN100LA4	125
136	145	1.6	10.3	3030	A202_ 10.3 S3 M3LA4	120	A202_ 10.3 P100 BN100LA4	121
147	135	1.0	9.6	2580	A102_ 9.6 S3 M3LA4	116	A102_ 9.6 P100 BN100LA4	117
150	131	1.6	9.4	2980	A202_ 9.4 S3 M3LA4	120	A202_ 9.4 P100 BN100LA4	121
151	130	2.3	9.3	4530	A302_ 9.3 S3 M3LA4	124	A302_ 9.3 P100 BN100LA4	125
151	130	3.1	9.3	7240	A352_ 9.3 S3 M3LA4	128	A352_ 9.3 P100 BN100LA4	129
166	119	1.2	8.5	3050	A102_ 8.5 S3 M3LA4	116	A102_ 8.5 P100 BN100LA4	117
167	119	2.5	8.5	4430	A302_ 8.5 S3 M3LA4	124	A302_ 8.5 P100 BN100LA4	125
167	119	3.2	8.5	7060	A352_ 8.5 S3 M3LA4	128	A352_ 8.5 P100 BN100LA4	129
168	117	1.8	8.4	2930	A202_ 8.4 S3 M3LA4	120	A202_ 8.4 P100 BN100LA4	121
193	102	2.1	7.3	2860	A202_ 7.3 S3 M3LA4	120	A202_ 7.3 P100 BN100LA4	121
196	101	1.4	7.2	2520	A102_ 7.2 S3 M3LA4	116	A102_ 7.2 P100 BN100LA4	117
201	98	3.0	7.0	4240	A302_ 7.0 S3 M3LA4	124	A302_ 7.0 P100 BN100LA4	125
216	92	2.3	6.5	2810	A202_ 6.5 S3 M3LA4	120	A202_ 6.5 P100 BN100LA4	121
220	90	3.3	6.4	4150	A302_ 6.4 S3 M3LA4	124	A302_ 6.4 P100 BN100LA4	125
223	89	1.6	6.3	2950	A102_ 6.3 S3 M3LA4	116	A102_ 6.3 P100 BN100LA4	117
258	77	1.8	5.5	2430	A102_ 5.5 S3 M3LA4	116	A102_ 5.5 P100 BN100LA4	117
263	75	2.8	5.4	2700	A202_ 5.4 S3 M3LA4	120	A202_ 5.4 P100 BN100LA4	121
304	65	3.2	9.4	2620	A202_ 9.4 S3 M3SA2	120	A202_ 9.4 P90 BN90L2	121

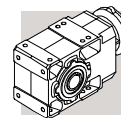
3 kW

1.6	15653	0.9	865.1	75000	A904_ 865.1 S3 M3LB4	154	A904_ 865.1 P100 BN100LB4	155
1.8	13876	1.0	766.9	75000	A904_ 766.9 S3 M3LB4	154	A904_ 766.9 P100 BN100LB4	155
2.0	12809	1.1	707.9	75000	A904_ 707.9 S3 M3LB4	154	A904_ 707.9 P100 BN100LB4	155
2.3	10885	1.3	601.6	75000	A904_ 601.6 S3 M3LB4	154	A904_ 601.6 P100 BN100LB4	155
2.5	10047	1.4	555.3	75000	A904_ 555.3 S3 M3LB4	154	A904_ 555.3 P100 BN100LB4	155
2.9	8804	1.6	486.6	75000	A904_ 486.6 S3 M3LB4	154	A904_ 486.6 P100 BN100LB4	155
2.9	8665	0.9	478.9	65000	A804_ 478.9 S3 M3LB4	151	A804_ 478.9 P100 BN100LB4	152
3.1	8127	1.7	449.2	75000	A904_ 449.2 S3 M3LB4	154	A904_ 449.2 P100 BN100LB4	155
3.2	7999	1.0	442.1	65000	A804_ 442.1 S3 M3LB4	151	A804_ 442.1 P100 BN100LB4	152
3.7	6974	2.0	385.4	75000	A904_ 385.4 S3 M3LB4	154	A904_ 385.4 P100 BN100LB4	155



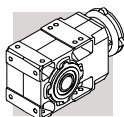
3 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
3.7	6938	1.2	383.5	65000	A804_ 383.5 S3 M3LB4	151	A804_ 383.5 P100 BN100LB4	152
4.0	6438	2.2	355.8	75000	A904_ 355.8 S3 M3LB4	154	A904_ 355.8 P100 BN100LB4	155
4.0	6405	1.2	354.0	65000	A804_ 354.0 S3 M3LB4	151	A804_ 354.0 P100 BN100LB4	152
4.5	5724	0.9	316.4	50000	A704_ 316.4 S3 M3LB4	148	A704_ 316.4 P100 BN100LB4	149
4.6	5517	2.5	304.9	75000	A904_ 304.9 S3 M3LB4	154	A904_ 304.9 P100 BN100LB4	155
4.7	5435	1.5	300.4	65000	A804_ 300.4 S3 M3LB4	151	A804_ 300.4 P100 BN100LB4	152
4.8	5284	0.9	292.0	50000	A704_ 292.0 S3 M3LB4	148	A704_ 292.0 P100 BN100LB4	149
5.0	5092	2.7	281.4	75000	A904_ 281.4 S3 M3LB4	154	A904_ 281.4 P100 BN100LB4	155
5.1	5017	1.6	277.3	65000	A804_ 277.3 S3 M3LB4	151	A804_ 277.3 P100 BN100LB4	152
5.9	4317	1.2	238.6	50000	A704_ 238.6 S3 M3LB4	148	A704_ 238.6 P100 BN100LB4	149
6.1	4209	1.9	232.6	65000	A804_ 232.6 S3 M3LB4	151	A804_ 232.6 P100 BN100LB4	152
6.2	4097	3.4	226.4	75000	A904_ 226.4 S3 M3LB4	154	A904_ 226.4 P100 BN100LB4	155
6.4	3985	1.3	220.3	50000	A704_ 220.3 S3 M3LB4	148	A704_ 220.3 P100 BN100LB4	149
6.6	3885	2.1	214.7	65000	A804_ 214.7 S3 M3LB4	151	A804_ 214.7 P100 BN100LB4	152
7.7	3327	1.5	183.9	50000	A704_ 183.9 S3 M3LB4	148	A704_ 183.9 P100 BN100LB4	149
8.2	3172	0.9	171.5	30000	A603_ 171.5 S3 M3LB4	144	A603_ 171.5 P100 BN100LB4	145
8.2	3099	2.6	171.3	65000	A804_ 171.3 S3 M3LB4	151	A804_ 171.3 P100 BN100LB4	152
8.3	3071	1.6	169.8	50000	A704_ 169.8 S3 M3LB4	148	A704_ 169.8 P100 BN100LB4	149
9.0	2901	2.8	156.8	65000	A803_ 156.8 S3 M3LB4	151	A803_ 156.8 P100 BN100LB4	152
9.0	2887	1.0	156.0	30000	A603_ 156.0 S3 M3LB4	144	A603_ 156.0 P100 BN100LB4	145
9.2	2843	1.4	153.7	50000	A703_ 153.7 S3 M3LB4	148	A703_ 153.7 P100 BN100LB4	149
9.7	2678	3.0	144.7	65000	A803_ 144.7 S3 M3LB4	151	A803_ 144.7 P100 BN100LB4	152
9.8	2665	1.1	144.0	30000	A603_ 144.0 S3 M3LB4	144	A603_ 144.0 P100 BN100LB4	145
9.9	2624	1.9	141.9	50000	A703_ 141.9 S3 M3LB4	148	A703_ 141.9 P100 BN100LB4	149
10.6	2466	1.1	133.3	30000	A603_ 133.3 S3 M3LB4	144	A603_ 133.3 P100 BN100LB4	145
10.8	2417	2.1	130.7	50000	A703_ 130.7 S3 M3LB4	148	A703_ 130.7 P100 BN100LB4	149
11.2	2324	3.4	125.6	65000	A803_ 125.6 S3 M3LB4	151	A803_ 125.6 P100 BN100LB4	152
11.5	2276	1.2	123.0	30000	A603_ 123.0 S3 M3LB4	144	A603_ 123.0 P100 BN100LB4	145
11.7	2231	2.2	120.6	50000	A703_ 120.6 S3 M3LB4	148	A703_ 120.6 P100 BN100LB4	149
13.1	1994	1.4	107.8	30000	A603_ 107.8 S3 M3LB4	144	A603_ 107.8 P100 BN100LB4	145
13.5	1928	2.6	104.2	50000	A703_ 104.2 S3 M3LB4	148	A703_ 104.2 P100 BN100LB4	149
13.9	1876	1.1	101.4	30000	A553_ 101.4 S3 M3LB4	140	A553_ 101.4 P100 BN100LB4	141
14.2	1841	1.5	99.5	30000	A603_ 99.5 S3 M3LB4	144	A603_ 99.5 P100 BN100LB4	145
14.7	1780	2.8	96.2	50000	A703_ 96.2 S3 M3LB4	148	A703_ 96.2 P100 BN100LB4	149
15.7	1657	0.9	89.5	17100	A503_ 89.5 S3 M3LB4	144	A503_ 89.5 P100 BN100LB4	137
16.3	1598	1.8	86.4	30000	A603_ 86.4 S3 M3LB4	144	A603_ 86.4 P100 BN100LB4	145
16.4	1590	3.1	85.9	50000	A703_ 85.9 S3 M3LB4	148	A703_ 85.9 P100 BN100LB4	149
17.3	1507	1.0	81.5	17200	A503_ 81.5 S3 M3LB4	136	A503_ 81.5 P100 BN100LB4	137
17.7	1475	1.9	79.7	30000	A603_ 79.7 S3 M3LB4	144	A603_ 79.7 P100 BN100LB4	145
17.7	1471	1.4	79.5	30000	A553_ 79.5 S3 M3LB4	140	A553_ 79.5 P100 BN100LB4	141
17.8	1468	3.4	79.3	50000	A703_ 79.3 S3 M3LB4	148	A703_ 79.3 P100 BN100LB4	149
20.0	1303	2.1	70.4	30000	A603_ 70.4 S3 M3LB4	144	A603_ 70.4 P100 BN100LB4	145
20.1	1299	1.2	70.2	17200	A503_ 70.2 S3 M3LB4	136	A503_ 70.2 P100 BN100LB4	137
21.7	1202	2.3	65.0	30000	A603_ 65.0 S3 M3LB4	144	A603_ 65.0 P100 BN100LB4	145
21.9	1190	1.7	64.3	30000	A553_ 64.3 S3 M3LB4	140	A553_ 64.3 P100 BN100LB4	141
22.1	1182	1.3	63.9	17100	A503_ 63.9 S3 M3LB4	136	A503_ 63.9 P100 BN100LB4	137
24.8	1051	1.4	56.8	17000	A503_ 56.8 S3 M3LB4	136	A503_ 56.8 P100 BN100LB4	137
25.4	1029	2.7	55.6	30000	A603_ 55.6 S3 M3LB4	144	A603_ 55.6 P100 BN100LB4	145
27.3	956	1.6	51.7	16800	A503_ 51.7 S3 M3LB4	136	A503_ 51.7 P100 BN100LB4	137
27.5	950	2.9	51.3	30000	A603_ 51.3 S3 M3LB4	144	A603_ 51.3 P100 BN100LB4	145
27.7	943	2.1	51.0	30000	A553_ 51.0 S3 M3LB4	140	A553_ 51.0 P100 BN100LB4	141
29.2	923	0.9	48.3	12700	A412_ 48.3 S3 M3LB4	132	A412_ 48.3 P100 BN100LB4	133
31	861	1.0	45.1	12600	A412_ 45.1 S3 M3LB4	132	A412_ 45.1 P100 BN100LB4	133
31	836	3.3	45.2	30000	A603_ 45.2 S3 M3LB4	144	A603_ 45.2 P100 BN100LB4	145
31	833	1.8	45.0	16500	A503_ 45.0 S3 M3LB4	136	A503_ 45.0 P100 BN100LB4	137
34	757	2.0	40.9	16300	A503_ 40.9 S3 M3LB4	136	A503_ 40.9 P100 BN100LB4	137
35	746	2.7	40.3	30000	A553_ 40.3 S3 M3LB4	140	A553_ 40.3 P100 BN100LB4	141
38	700	0.9	36.6	8550	A352_ 36.6 S3 M3LB4	128	A352_ 36.6 P100 BN100LB4	129







3 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			IEC	
39	686	1.1	35.9	12200	A412_ 35.9 S3 M3LB4	132	A412_ 35.9 P100 BN100LB4	133
40	659	2.3	35.6	16000	A503_ 35.6 S3 M3LB4	136	A503_ 35.6 P100 BN100LB4	137
43	634	0.9	33.2	8520	A352_ 33.2 S3 M3LB4	128	A352_ 33.2 P100 BN100LB4	129
44	599	2.5	32.4	15700	A503_ 32.4 S3 M3LB4	136	A503_ 32.4 P100 BN100LB4	137
50	543	1.1	28.4	8420	A352_ 28.4 S3 M3LB4	128	A352_ 28.4 P100 BN100LB4	129
50	541	1.3	28.3	11700	A412_ 28.3 S3 M3LB4	132	A412_ 28.3 P100 BN100LB4	133
53	489	3.1	26.4	15100	A503_ 26.4 S3 M3LB4	136	A503_ 26.4 P100 BN100LB4	137
55	491	1.2	25.7	8330	A352_ 25.7 S3 M3LB4	128	A352_ 25.7 P100 BN100LB4	129
59	445	3.4	24.0	14800	A503_ 24.0 S3 M3LB4	136	A503_ 24.0 P100 BN100LB4	137
62	435	0.9	22.8	4610	A302_ 22.8 S3 M3LB4	124	A302_ 22.8 P100 BN100LB4	125
62	433	1.6	22.7	11200	A412_ 22.7 S3 M3LB4	132	A412_ 22.7 P100 BN100LB4	133
63	430	1.4	22.5	8190	A352_ 22.5 S3 M3LB4	128	A352_ 22.5 P100 BN100LB4	129
67	400	3.0	20.9	15500	A502_ 20.9 S3 M3LB4	136	A502_ 20.9 P100 BN100LB4	137
69	392	1.0	20.5	4620	A302_ 20.5 S3 M3LB4	124	A302_ 20.5 P100 BN100LB4	125
69	390	1.5	20.4	8080	A352_ 20.4 S3 M3LB4	128	A352_ 20.4 P100 BN100LB4	129
78	344	1.2	18.0	4600	A302_ 18.0 S3 M3LB4	124	A302_ 18.0 P100 BN100LB4	125
79	339	1.9	17.8	10600	A412_ 17.8 S3 M3LB4	132	A412_ 17.8 P100 BN100LB4	133
83	324	1.9	17.0	7830	A352_ 17.0 S3 M3LB4	128	A352_ 17.0 P100 BN100LB4	129
86	312	1.2	16.3	4580	A302_ 16.3 S3 M3LB4	124	A302_ 16.3 P100 BN100LB4	125
88	308	2.0	16.1	10400	A412_ 16.1 S3 M3LB4	132	A412_ 16.1 P100 BN100LB4	133
91	296	2.0	15.5	7700	A352_ 15.5 S3 M3LB4	128	A352_ 15.5 P100 BN100LB4	129
100	269	0.9	14.1	2650	A202_ 14.1 S3 M3LB4	120	A202_ 14.1 P100 BN100LB4	121
102	263	2.2	13.8	9990	A412_ 13.8 S3 M3LB4	132	A412_ 13.8 P100 BN100LB4	133
104	259	1.4	13.6	4500	A302_ 13.6 S3 M3LB4	124	A302_ 13.6 P100 BN100LB4	125
108	250	2.4	13.1	7450	A352_ 13.1 S3 M3LB4	128	A352_ 13.1 P100 BN100LB4	129
118	229	0.9	12.0	2670	A202_ 12.0 S3 M3LB4	120	A202_ 12.0 P100 BN100LB4	121
120	225	1.3	11.8	4400	A302_ 11.8 S3 M3LB4	124	A302_ 11.8 P100 BN100LB4	125
120	225	1.8	11.8	7410	A352_ 11.8 S3 M3LB4	128	A352_ 11.8 P100 BN100LB4	129
120	224	2.5	11.7	9580	A412_ 11.7 S3 M3LB4	132	A412_ 11.7 P100 BN100LB4	133
124	218	1.5	23.1	2690	A202_ 23.1 S3 M3LA2	120	A202_ 23.1 P100 BN100L2	121
133	203	2.0	10.6	7230	A352_ 10.6 S3 M3LB4	128	A352_ 10.6 P100 BN100LB4	129
135	200	1.7	10.5	4350	A302_ 10.5 S3 M3LB4	124	A302_ 10.5 P100 BN100LB4	125
136	198	1.1	10.3	2690	A202_ 10.3 S3 M3LB4	120	A202_ 10.3 P100 BN100LB4	121
139	194	2.8	10.1	9230	A412_ 10.1 S3 M3LB4	132	A412_ 10.1 P100 BN100LB4	133
150	179	1.2	9.4	2670	A202_ 9.4 S3 M3LB4	120	A202_ 9.4 P100 BN100LB4	121
151	178	1.7	9.3	4240	A302_ 9.3 S3 M3LB4	124	A302_ 9.3 P100 BN100LB4	125
151	178	2.2	9.3	7000	A352_ 9.3 S3 M3LB4	128	A352_ 9.3 P100 BN100LB4	129
153	176	3.1	9.2	8980	A412_ 9.2 S3 M3LB4	132	A412_ 9.2 P100 BN100LB4	133
167	162	1.9	8.5	4170	A302_ 8.5 S3 M3LB4	124	A302_ 8.5 P100 BN100LB4	125
167	162	2.4	8.5	6840	A352_ 8.5 S3 M3LB4	128	A352_ 8.5 P100 BN100LB4	129
168	160	1.3	8.4	2650	A202_ 8.4 S3 M3LB4	120	A202_ 8.4 P100 BN100LB4	121
169	159	3.5	8.3	8740	A412_ 8.3 S3 M3LB4	132	A412_ 8.3 P100 BN100LB4	133
193	139	1.5	7.3	2620	A202_ 7.3 S3 M3LB4	120	A202_ 7.3 P100 BN100LB4	121
196	138	1.0	7.2	2220	A102_ 7.2 S3 M3LB4	116	A102_ 7.2 P100 BN100LB4	117
201	134	2.2	7.0	4030	A302_ 7.0 S3 M3LB4	124	A302_ 7.0 P100 BN100LB4	125
201	134	2.8	7.0	6520	A352_ 7.0 S3 M3LB4	128	A352_ 7.0 P100 BN100LB4	129
216	125	1.7	6.5	2590	A202_ 6.5 S3 M3LB4	120	A202_ 6.5 P100 BN100LB4	121
220	123	2.4	6.4	3950	A302_ 6.4 S3 M3LB4	124	A302_ 6.4 P100 BN100LB4	125
220	123	2.9	6.4	6360	A352_ 6.4 S3 M3LB4	128	A352_ 6.4 P100 BN100LB4	129
223	121	1.2	6.3	2640	A102_ 6.3 S3 M3LB4	116	A102_ 6.3 P100 BN100LB4	117
243	111	2.7	11.8	3870	A302_ 11.8 S3 M3LA2	124	A302_ 11.8 P100 BN100L2	125
258	104	1.3	5.5	2200	A102_ 5.5 S3 M3LB4	116	A102_ 5.5 P100 BN100LB4	117
260	103	2.9	5.4	3810	A302_ 5.4 S3 M3LB4	124	A302_ 5.4 P100 BN100LB4	125
260	103	3.3	5.4	6070	A352_ 5.4 S3 M3LB4	128	A352_ 5.4 P100 BN100LB4	129
263	102	2.1	5.4	2520	A202_ 5.4 S3 M3LB4	120	A202_ 5.4 P100 BN100LB4	121
277	97	1.9	10.3	2500	A202_ 10.3 S3 M3LA2	120	A202_ 10.3 P100 BN100L2	121
307	88	3.4	9.3	3670	A302_ 9.3 S3 M3LA2	124	A302_ 9.3 P100 BN100L2	125
342	79	2.7	8.4	2410	A202_ 8.4 S3 M3LA2	120	A202_ 8.4 P100 BN100L2	121

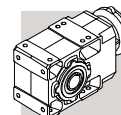


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

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
397	68	2.1	7.2	2090	A102_ 7.2 S3 M3LA2	116	A102_ 7.2 P100 BN100L2	117
451	60	2.3	6.3	2430	A102_ 6.3 S3 M3LA2	116	A102_ 6.3 P100 BN100L2	117
523	51	2.6	5.5	1990	A102_ 5.5 S3 M3LA2	116	A102_ 5.5 P100 BN100L2	117

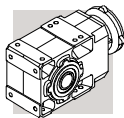
4 kW

2.3	14616	1.0	601.6	75000	A904_ 601.6 S3 M3LC4	154	A904_ 601.6 P112 BN112M4	155
2.5	13492	1.0	555.3	75000	A904_ 555.3 S3 M3LC4	154	A904_ 555.3 P112 BN112M4	155
2.9	11823	1.2	486.6	75000	A904_ 486.6 S3 M3LC4	154	A904_ 486.6 P112 BN112M4	155
3.1	10913	1.3	449.2	75000	A904_ 449.2 S3 M3LC4	154	A904_ 449.2 P112 BN112M4	155
3.6	9365	1.5	385.4	75000	A904_ 385.4 S3 M3LC4	154	A904_ 385.4 P112 BN112M4	155
3.7	9317	0.9	383.5	65000	A804_ 383.5 S3 M3LC4	151	A804_ 383.5 P112 BN112M4	152
3.9	8645	1.6	355.8	75000	A904_ 355.8 S3 M3LC4	154	A904_ 355.8 P112 BN112M4	155
4.0	8600	0.9	354.0	65000	A804_ 354.0 S3 M3LC4	151	A804_ 354.0 P112 BN112M4	152
4.6	7408	1.9	304.9	75000	A904_ 304.9 S3 M3LC4	154	A904_ 304.9 P112 BN112M4	155
4.7	7299	1.1	300.4	65000	A804_ 300.4 S3 M3LC4	151	A804_ 300.4 P112 BN112M4	152
5.0	6838	2.0	281.4	75000	A904_ 281.4 S3 M3LC4	154	A904_ 281.4 P112 BN112M4	155
5.0	6737	1.2	277.3	65000	A804_ 277.3 S3 M3LC4	151	A804_ 277.3 P112 BN112M4	152
5.9	5797	0.9	238.6	50000	A704_ 238.6 S3 M3LC4	148	A704_ 238.6 P112 BN112M4	149
6.0	5652	1.4	232.6	65000	A804_ 232.6 S3 M3LC4	151	A804_ 232.6 P112 BN112M4	152
6.2	5502	2.5	226.4	75000	A904_ 226.4 S3 M3LC4	154	A904_ 226.4 P112 BN112M4	155
6.4	5352	0.9	220.3	50000	A704_ 220.3 S3 M3LC4	148	A704_ 220.3 P112 BN112M4	149
6.5	5217	1.5	214.7	65000	A804_ 214.7 S3 M3LC4	151	A804_ 214.7 P112 BN112M4	152
6.7	5078	2.8	209.0	75000	A904_ 209.0 S3 M3LC4	154	A904_ 209.0 P112 BN112M4	155
7.6	4468	1.1	183.9	50000	A704_ 183.9 S3 M3LC4	148	A704_ 183.9 P112 BN112M4	149
7.8	4373	3.2	180.0	75000	A904_ 180.0 S3 M3LC4	154	A904_ 180.0 P112 BN112M4	155
8.2	4162	1.9	171.3	65000	A804_ 171.3 S3 M3LC4	151	A804_ 171.3 P112 BN112M4	152
8.2	4125	1.2	169.8	50000	A704_ 169.8 S3 M3LC4	148	A704_ 169.8 P112 BN112M4	149
8.4	4036	3.5	166.1	75000	A904_ 166.1 S3 M3LC4	154	A904_ 166.1 P112 BN112M4	155
8.9	3895	2.1	156.8	65000	A803_ 156.8 S3 M3LC4	151	A803_ 156.8 P112 BN112M4	152
9.1	3818	1.1	153.7	50000	A703_ 153.7 S3 M3LC4	148	A703_ 153.7 P112 BN112M4	149
9.7	3596	2.2	144.7	65000	A803_ 144.7 S3 M3LC4	151	A803_ 144.7 P112 BN112M4	152
9.9	3524	1.4	141.9	50000	A703_ 141.9 S3 M3LC4	148	A703_ 141.9 P112 BN112M4	149
10.7	3246	1.5	130.7	50000	A703_ 130.7 S3 M3LC4	148	A703_ 130.7 P112 BN112M4	149
11.1	3121	2.6	125.6	65000	A803_ 125.6 S3 M3LC4	151	A803_ 125.6 P112 BN112M4	152
11.4	3056	0.9	123.0	30000	A603_ 123.0 S3 M3LC4	144	A603_ 123.0 P112 BN112M4	145
11.6	2996	1.7	120.6	50000	A703_ 120.6 S3 M3LC4	148	A703_ 120.6 P112 BN112M4	149
12.1	2881	2.8	116.0	65000	A803_ 116.0 S3 M3LC4	151	A803_ 116.0 P112 BN112M4	152
13.0	2678	1.0	107.8	30000	A603_ 107.8 S3 M3LC4	144	A603_ 107.8 P112 BN112M4	145
13.4	2590	1.9	104.2	50000	A703_ 104.2 S3 M3LC4	148	A703_ 104.2 P112 BN112M4	149
13.5	2584	3.1	104.0	65000	A803_ 104.0 S3 M3LC4	151	A803_ 104.0 P112 BN112M4	152
14.1	2472	1.1	99.5	30000	A603_ 99.5 S3 M3LC4	144	A603_ 99.5 P112 BN112M4	145
14.6	2390	2.1	96.2	50000	A703_ 96.2 S3 M3LC4	148	A703_ 96.2 P112 BN112M4	149
14.6	2386	3.4	96.0	65000	A803_ 96.0 S3 M3LC4	151	A803_ 96.0 P112 BN112M4	152
16.2	2146	1.3	86.4	30000	A603_ 86.4 S3 M3LC4	144	A603_ 86.4 P112 BN112M4	145
16.3	2135	2.3	85.9	50000	A703_ 85.9 S3 M3LC4	148	A703_ 85.9 P112 BN112M4	149
17.6	1980	1.4	79.7	30000	A603_ 79.7 S3 M3LC4	144	A603_ 79.7 P112 BN112M4	145
17.6	1976	1.0	79.5	30000	A553_ 79.5 S3 M3LC4	140	A553_ 79.5 P112 BN112M4	141
17.6	1971	2.5	79.3	50000	A703_ 79.3 S3 M3LC4	148	A703_ 79.3 P112 BN112M4	149
19.3	1802	2.8	72.5	50000	A703_ 72.5 S3 M3LC4	148	A703_ 72.5 P112 BN112M4	149
19.9	1749	1.6	70.4	30000	A603_ 70.4 S3 M3LC4	144	A603_ 70.4 P112 BN112M4	145
20.9	1663	3.0	66.9	50000	A703_ 66.9 S3 M3LC4	148	A703_ 66.9 P112 BN112M4	149
21.5	1615	1.7	65.0	30000	A603_ 65.0 S3 M3LC4	144	A603_ 65.0 P112 BN112M4	145
21.8	1598	1.3	64.3	30000	A553_ 64.3 S3 M3LC4	140	A553_ 64.3 P112 BN112M4	141
21.9	1587	0.9	63.9	14700	A503_ 63.9 S3 M3LC4	136	A503_ 63.9 P112 BN112M4	137
24.6	1411	1.1	56.8	14800	A503_ 56.8 S3 M3LC4	136	A503_ 56.8 P112 BN112M4	137
25.2	1381	2.0	55.6	30000	A603_ 55.6 S3 M3LC4	144	A603_ 55.6 P112 BN112M4	145
27.1	1284	1.2	51.7	14900	A503_ 51.7 S3 M3LC4	136	A503_ 51.7 P112 BN112M4	137
27.3	1275	2.2	51.3	30000	A603_ 51.3 S3 M3LC4	144	A603_ 51.3 P112 BN112M4	145







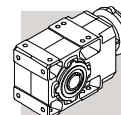
4 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
27.5	1266	1.6	51.0	30000	A553_ 51.0 S3 M3LC4	140	A553_ 51.0 P112 BN112M4	141
31	1123	2.5	45.2	30000	A603_ 45.2 S3 M3LC4	144	A603_ 45.2 P112 BN112M4	145
31	1118	1.3	45.0	14900	A503_ 45.0 S3 M3LC4	136	A503_ 45.0 P112 BN112M4	137
34	1036	2.7	41.7	30000	A603_ 41.7 S3 M3LC4	144	A603_ 41.7 P112 BN112M4	145
34	1017	1.5	40.9	14800	A503_ 40.9 S3 M3LC4	136	A503_ 40.9 P112 BN112M4	137
35	1001	2.0	40.3	30000	A553_ 40.3 S3 M3LC4	140	A553_ 40.3 P112 BN112M4	141
39	884	1.7	35.6	14700	A503_ 35.6 S3 M3LC4	136	A503_ 35.6 P112 BN112M4	137
41	852	3.3	34.3	30000	A603_ 34.3 S3 M3LC4	144	A603_ 34.3 P112 BN112M4	145
43	804	1.9	32.4	14500	A503_ 32.4 S3 M3LC4	136	A503_ 32.4 P112 BN112M4	137
47	744	2.7	29.9	30000	A553_ 29.9 S3 M3LC4	140	A553_ 29.9 P112 BN112M4	141
49	727	1.0	28.3	10900	A412_ 28.3 S3 M3LC4	132	A412_ 28.3 P112 BN112M4	133
53	657	2.3	26.4	14100	A503_ 26.4 S3 M3LC4	136	A503_ 26.4 P112 BN112M4	137
55	659	0.9	25.7	7420	A352_ 25.7 S3 M3LC4	128	A352_ 25.7 P112 BN112M4	129
58	597	2.5	24.0	13900	A503_ 24.0 S3 M3LC4	136	A503_ 24.0 P112 BN112M4	137
59	591	3.3	23.8	30000	A553_ 23.8 S3 M3LC4	140	A553_ 23.8 P112 BN112M4	141
62	582	1.2	22.7	10500	A412_ 22.7 S3 M3LC4	132	A412_ 22.7 P112 BN112M4	133
62	577	1.0	22.5	7400	A352_ 22.5 S3 M3LC4	128	A352_ 22.5 P112 BN112M4	129
67	537	2.2	20.9	15100	A502_ 20.9 S3 M3LC4	136	A502_ 20.9 P112 BN112M4	137
69	524	1.1	20.4	7360	A352_ 20.4 S3 M3LC4	128	A352_ 20.4 P112 BN112M4	129
78	462	0.9	18.0	3930	A302_ 18.0 S3 M3LC4	124	A302_ 18.0 P112 BN112M4	125
79	456	1.4	17.8	10100	A412_ 17.8 S3 M3LC4	132	A412_ 17.8 P112 BN112M4	133
83	435	1.4	17.0	7240	A352_ 17.0 S3 M3LC4	128	A352_ 17.0 P112 BN112M4	129
84	425	2.8	16.6	14200	A502_ 16.6 S3 M3LC4	136	A502_ 16.6 P112 BN112M4	137
86	419	0.9	16.3	3970	A302_ 16.3 S3 M3LC4	124	A302_ 16.3 P112 BN112M4	125
87	413	1.5	16.1	9940	A412_ 16.1 S3 M3LC4	132	A412_ 16.1 P112 BN112M4	133
90	397	1.5	15.5	7160	A352_ 15.5 S3 M3LC4	128	A352_ 15.5 P112 BN112M4	129
102	353	1.7	13.8	9610	A412_ 13.8 S3 M3LC4	132	A412_ 13.8 P112 BN112M4	133
103	348	1.1	13.6	4000	A302_ 13.6 S3 M3LC4	124	A302_ 13.6 P112 BN112M4	125
107	336	3.3	13.1	13300	A502_ 13.1 S3 M3LC4	136	A502_ 13.1 P112 BN112M4	137
107	335	1.8	13.1	7000	A352_ 13.1 S3 M3LC4	128	A352_ 13.1 P112 BN112M4	129
119	302	1.0	11.8	3960	A302_ 11.8 S3 M3LC4	124	A302_ 11.8 P112 BN112M4	125
119	302	1.3	11.8	7050	A352_ 11.8 S3 M3LC4	128	A352_ 11.8 P112 BN112M4	129
119	301	1.8	11.7	9260	A412_ 11.7 S3 M3LC4	132	A412_ 11.7 P112 BN112M4	133
126	285	1.2	22.8	3980	A302_ 22.8 S3 M3LB2	124	A302_ 22.8 P112 BN112M2	125
132	273	1.5	10.6	6910	A352_ 10.6 S3 M3LC4	128	A352_ 10.6 P112 BN112M4	129
134	268	1.3	10.5	3970	A302_ 10.5 S3 M3LC4	124	A302_ 10.5 P112 BN112M4	125
138	260	2.1	10.1	8960	A412_ 10.1 S3 M3LC4	132	A412_ 10.1 P112 BN112M4	133
150	239	1.3	9.3	3900	A302_ 9.3 S3 M3LC4	124	A302_ 9.3 P112 BN112M4	125
150	239	1.7	9.3	6730	A352_ 9.3 S3 M3LC4	128	A352_ 9.3 P112 BN112M4	129
152	236	2.3	9.2	8740	A412_ 9.2 S3 M3LC4	132	A412_ 9.2 P112 BN112M4	133
165	217	1.4	8.5	3860	A302_ 8.5 S3 M3LC4	124	A302_ 8.5 P112 BN112M4	125
165	217	1.8	8.5	6590	A352_ 8.5 S3 M3LC4	128	A352_ 8.5 P112 BN112M4	129
167	215	1.0	8.4	2300	A202_ 8.4 S3 M3LC4	120	A202_ 8.4 P112 BN112M4	121
168	214	2.6	8.3	8520	A412_ 8.3 S3 M3LC4	132	A412_ 8.3 P112 BN112M4	133
192	187	1.1	7.3	2310	A202_ 7.3 S3 M3LC4	120	A202_ 7.3 P112 BN112M4	121
197	183	3.0	7.1	8180	A412_ 7.1 S3 M3LC4	132	A412_ 7.1 P112 BN112M4	133
199	180	1.7	7.0	3770	A302_ 7.0 S3 M3LC4	124	A302_ 7.0 P112 BN112M4	125
199	180	2.1	7.0	6310	A352_ 7.0 S3 M3LC4	128	A352_ 7.0 P112 BN112M4	129
214	168	1.3	6.5	2310	A202_ 6.5 S3 M3LC4	120	A202_ 6.5 P112 BN112M4	121
218	165	1.8	6.4	3720	A302_ 6.4 S3 M3LC4	124	A302_ 6.4 P112 BN112M4	125
218	165	2.1	6.4	6180	A352_ 6.4 S3 M3LC4	128	A352_ 6.4 P112 BN112M4	129
256	140	1.0	5.5	1910	A102_ 5.5 S3 M3LC4	116	A102_ 5.5 P112 BN112M4	117
259	139	2.2	5.4	3610	A302_ 5.4 S3 M3LC4	124	A302_ 5.4 P112 BN112M4	125
259	139	2.4	5.4	5920	A352_ 5.4 S3 M3LC4	128	A352_ 5.4 P112 BN112M4	129
262	137	1.5	5.4	2300	A202_ 5.4 S3 M3LC4	120	A202_ 5.4 P112 BN112M4	121
270	133	3.0	10.6	5850	A352_ 10.6 S3 M3LB2	128	A352_ 10.6 P112 BN112M2	129
308	117	3.4	9.3	5650	A352_ 9.3 S3 M3LB2	128	A352_ 9.3 P112 BN112M2	129
343	105	2.1	8.4	2230	A202_ 8.4 S3 M3LB2	120	A202_ 8.4 P112 BN112M2	121
409	88	3.4	7.0	3280	A302_ 7.0 S3 M3LB2	124	A302_ 7.0 P112 BN112M2	125
453	79	1.7	6.3	2240	A102_ 6.3 S3 M3LB2	116	A102_ 6.3 P112 BN112M2	117
536	67	2.8	5.4	2080	A202_ 5.4 S3 M3LB2	120	A202_ 5.4 P112 BN112M2	121



5.5 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
3.0	15805	0.9	486.6	75000	A904_ 486.6 S4 M4SA4	154	A904_ 486.6 P132 BN132S4	155
3.2	14589	1.0	449.2	75000	A904_ 449.2 S4 M4SA4	154	A904_ 449.2 P132 BN132S4	155
3.7	12519	1.1	385.4	75000	A904_ 385.4 S4 M4SA4	154	A904_ 385.4 P132 BN132S4	155
4.0	11556	1.2	355.8	75000	A904_ 355.8 S4 M4SA4	154	A904_ 355.8 P132 BN132S4	155
4.7	9903	1.4	304.9	75000	A904_ 304.9 S4 M4SA4	154	A904_ 304.9 P132 BN132S4	155
5.1	9141	1.5	281.4	75000	A904_ 281.4 S4 M4SA4	154	A904_ 281.4 P132 BN132S4	155
5.2	9006	0.9	277.3	65000	A804_ 277.3 S4 M4SA4	151	A804_ 277.3 P132 BN132S4	152
6.2	7556	1.1	232.6	65000	A804_ 232.6 S4 M4SA4	151	A804_ 232.6 P132 BN132S4	152
6.4	7354	1.9	226.4	75000	A904_ 226.4 S4 M4SA4	154	A904_ 226.4 P132 BN132S4	155
6.7	6975	1.1	214.7	65000	A804_ 214.7 S4 M4SA4	151	A804_ 214.7 P132 BN132S4	152
6.9	6789	2.1	209.0	75000	A904_ 209.0 S4 M4SA4	154	A904_ 209.0 P132 BN132S4	155
8.0	5846	2.4	180.0	75000	A904_ 180.0 S4 M4SA4	154	A904_ 180.0 P132 BN132S4	155
8.4	5564	1.4	171.3	65000	A804_ 171.3 S4 M4SA4	151	A804_ 171.3 P132 BN132S4	152
8.5	5514	0.9	169.8	50000	A704_ 169.8 S4 M4SA4	148	A704_ 169.8 P132 BN132S4	149
8.7	5396	2.6	166.1	75000	A904_ 166.1 S4 M4SA4	154	A904_ 166.1 P132 BN132S4	155
9.2	5207	1.5	156.8	65000	A803_ 156.8 S4 M4SA4	151	A803_ 156.8 P132 BN132S4	152
9.5	5015	2.8	151.0	75000	A903_ 151.0 S4 M4SA4	154	A903_ 151.0 P132 BN132S4	155
9.9	4807	1.7	144.7	65000	A803_ 144.7 S4 M4SA4	151	A803_ 144.7 P132 BN132S4	152
10.2	4711	1.1	141.9	50000	A703_ 141.9 S4 M4SA4	148	A703_ 141.9 P132 BN132S4	149
10.3	4629	2.8	139.4	75000	A903_ 139.4 S4 M4SA4	154	A903_ 139.4 P132 BN132S4	155
11.0	4339	1.2	130.7	50000	A703_ 130.7 S4 M4SA4	148	A703_ 130.7 P132 BN132S4	149
11.4	4206	3.1	126.6	75000	A903_ 126.6 S4 M4SA4	154	A903_ 126.6 P132 BN132S4	155
11.5	4172	1.9	125.6	65000	A803_ 125.6 S4 M4SA4	151	A803_ 125.6 P132 BN132S4	152
11.9	4006	1.2	120.6	50000	A703_ 120.6 S4 M4SA4	148	A703_ 120.6 P132 BN132S4	149
12.4	3851	2.1	116.0	65000	A803_ 116.0 S4 M4SA4	151	A803_ 116.0 P132 BN132S4	152
13.8	3462	1.4	104.2	50000	A703_ 104.2 S4 M4SA4	148	A703_ 104.2 P132 BN132S4	149
13.8	3455	2.3	104.0	65000	A803_ 104.0 S4 M4SA4	151	A803_ 104.0 P132 BN132S4	152
15.0	3195	1.6	96.2	50000	A703_ 96.2 S4 M4SA4	148	A703_ 96.2 P132 BN132S4	149
15.0	3189	2.5	96.0	65000	A803_ 96.0 S4 M4SA4	151	A803_ 96.0 P132 BN132S4	152
16.1	2962	2.7	89.2	65000	A803_ 89.2 S4 M4SA4	151	A803_ 89.2 P132 BN132S4	152
16.7	2868	1.0	86.4	30000	A603_ 86.4 S4 M4SA4	144	A603_ 86.4 P132 BN132S4	145
16.8	2854	1.8	85.9	50000	A703_ 85.9 S4 M4SA4	148	A703_ 85.9 P132 BN132S4	149
17.5	2734	2.9	82.3	65000	A803_ 82.3 S4 M4SA4	151	A803_ 82.3 P132 BN132S4	152
18.1	2648	1.1	79.7	30000	A603_ 79.7 S4 M4SA4	144	A603_ 79.7 P132 BN132S4	145
18.2	2635	1.9	79.3	50000	A703_ 79.3 S4 M4SA4	148	A703_ 79.3 P132 BN132S4	149
19.9	2408	2.1	72.5	50000	A703_ 72.5 S4 M4SA4	148	A703_ 72.5 P132 BN132S4	149
19.9	2403	3.3	72.4	65000	A803_ 72.4 S4 M4SA4	151	A803_ 72.4 P132 BN132S4	152
20.5	2338	1.2	70.4	30000	A603_ 70.4 S4 M4SA4	144	A603_ 70.4 P132 BN132S4	145
21.5	2223	2.2	66.9	50000	A703_ 66.9 S4 M4SA4	148	A703_ 66.9 P132 BN132S4	149
22.2	2158	1.3	65.0	30000	A603_ 65.0 S4 M4SA4	144	A603_ 65.0 P132 BN132S4	145
22.4	2136	0.9	64.3	30000	A553_ 64.3 S4 M4SA4	140	A553_ 64.3 P132 BN132S4	141
25.0	1915	2.6	57.7	50000	A703_ 57.7 S4 M4SA4	148	A703_ 57.7 P132 BN132S4	149
25.9	1847	1.5	55.6	30000	A603_ 55.6 S4 M4SA4	144	A603_ 55.6 P132 BN132S4	145
27.1	1768	2.8	53.2	50000	A703_ 53.2 S4 M4SA4	148	A703_ 53.2 P132 BN132S4	149
28.1	1705	1.6	51.3	30000	A603_ 51.3 S4 M4SA4	144	A603_ 51.3 P132 BN132S4	145
28.3	1692	1.2	51.0	30000	A553_ 51.0 S4 M4SA4	140	A553_ 51.0 P132 BN132S4	141
29.4	1627	3.1	49.0	50000	A703_ 49.0 S4 M4SA4	148	A703_ 49.0 P132 BN132S4	149
32	1502	3.2	45.2	50000	A703_ 45.2 S4 M4SA4	148	A703_ 45.2 P132 BN132S4	149
32	1501	1.9	45.2	30000	A603_ 45.2 S4 M4SA4	144	A603_ 45.2 P132 BN132S4	145
32	1495	1.0	45.0	12400	A503_ 45.0 S4 M4SA4	136	A503_ 45.0 P132 BN132S4	137
35	1385	2.0	41.7	30000	A603_ 41.7 S4 M4SA4	144	A603_ 41.7 P132 BN132S4	145
35	1360	1.1	40.9	12600	A503_ 40.9 S4 M4SA4	136	A503_ 40.9 P132 BN132S4	137
36	1338	1.5	40.3	30000	A553_ 40.3 S4 M4SA4	140	A553_ 40.3 P132 BN132S4	141
40	1182	1.3	35.6	12700	A503_ 35.6 S4 M4SA4	136	A503_ 35.6 P132 BN132S4	137
42	1139	2.5	34.3	30000	A603_ 34.3 S4 M4SA4	144	A603_ 34.3 P132 BN132S4	145
44	1075	1.4	32.4	12700	A503_ 32.4 S4 M4SA4	136	A503_ 32.4 P132 BN132S4	137
45	1051	2.7	31.7	30000	A603_ 31.7 S4 M4SA4	144	A603_ 31.7 P132 BN132S4	145
48	994	2.0	29.9	30000	A553_ 29.9 S4 M4SA4	136	A553_ 29.9 P132 BN132S4	141
52	925	3.0	27.9	30000	A603_ 27.9 S4 M4SA4	144	A603_ 27.9 P132 BN132S4	145
54	878	1.7	26.4	12600	A503_ 26.4 S4 M4SA4	136	A503_ 26.4 P132 BN132S4	137
56	854	3.3	25.7	30000	A603_ 25.7 S4 M4SA4	144	A603_ 25.7 P132 BN132S4	145
60	799	1.9	24.0	12500	A503_ 24.0 S4 M4SA4	136	A503_ 24.0 P132 BN132S4	137
61	790	2.5	23.8	29800	A553_ 23.8 S4 M4SA4	140	A553_ 23.8 P132 BN132S4	141
69	718	1.7	20.9	14400	A502_ 20.9 S4 M4SA4	136	A502_ 20.9 P132 BN132S4	137
70	706	2.8	20.6	30000	A602_ 20.6 S4 M4SA4	144	A602_ 20.6 P132 BN132S4	145
75	660	2.7	19.2	29300	A552_ 19.2 S4 M4SA4	140	A552_ 19.2 P132 BN132S4	141
81	609	1.0	17.8	9280	A412_ 17.8 S4 M4SA4	132	A412_ 17.8 P132 BN132S4	133
86	574	3.5	16.7	30000	A602_ 16.7 S4 M4SA4	144	A602_ 16.7 P132 BN132S4	145
87	568	2.1	16.6	13600	A502_ 16.6 S4 M4SA4	136	A502_ 16.6 P132 BN132S4	137
89	552	1.1	16.1	9160	A412_ 16.1 S4 M4SA4	132	A412_ 16.1 P132 BN132S4	133

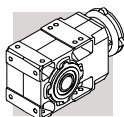


5.5 kW

n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				
92	538	3.3	15.7	27700	A552_ 15.7 S4 M4SA4	140	A552_ 15.7 P132 BN132S4	141
105	472	1.2	13.8	8940	A412_ 13.8 S4 M4SA4	132	A412_ 13.8 P132 BN132S4	133
110	450	2.4	13.1	12800	A502_ 13.1 S4 M4SA4	136	A502_ 13.1 P132 BN132S4	137
122	404	1.0	11.8	6450	A352_ 11.8 S4 M4SA4	124	A352_ 11.8 P132 BN132S4	129
123	403	1.4	11.7	8670	A412_ 11.7 S4 M4SA4	132	A412_ 11.7 P132 BN132S4	133
135	365	1.1	10.6	6360	A352_ 10.6 S4 M4SA4	124	A352_ 10.6 P132 BN132S4	129
142	348	1.5	10.1	8440	A412_ 10.1 S4 M4SA4	132	A412_ 10.1 P132 BN132S4	133
148	334	3.0	9.7	11800	A502_ 9.7 S4 M4SA4	136	A502_ 9.7 P132 BN132S4	137
155	319	1.3	9.3	6240	A352_ 9.3 S4 M4SA4	124	A352_ 9.3 P132 BN132S4	129
157	316	1.7	9.2	8250	A412_ 9.2 S4 M4SA4	132	A412_ 9.2 P132 BN132S4	133
170	290	1.3	8.5	6140	A352_ 8.5 S4 M4SA4	124	A352_ 8.5 P132 BN132S4	129
173	286	1.9	8.3	8080	A412_ 8.3 S4 M4SA4	132	A412_ 8.3 P132 BN132S4	133
202	244	2.3	7.1	7790	A412_ 7.1 S4 M4SA4	132	A412_ 7.1 P132 BN132S4	133
205	241	1.5	7.0	5930	A352_ 7.0 S4 M4SA4	124	A352_ 7.0 P132 BN132S4	129
225	220	1.6	6.4	5820	A352_ 6.4 S4 M4SA4	124	A352_ 6.4 P132 BN132S4	129
246	201	2.7	11.7	7430	A412_ 11.7 S4 M4SA2	132	A412_ 11.7 P132 BN132SA2	133
266	186	1.8	5.4	5610	A352_ 5.4 S4 M4SA4	124	A352_ 5.4 P132 BN132S4	129
275	180	3.1	5.2	7230	A412_ 5.2 S4 M4SA4	132	A412_ 5.2 P132 BN132S4	133
285	173	2.5	10.1	7170	A412_ 10.1 S4 M4SA2	132	A412_ 10.1 P132 BN132SA2	133
411	120	3.1	7.0	5060	A352_ 7.0 S4 M4SA2	124	A352_ 7.0 P132 BN132SA2	129

7.5 kW

4.0	15759	0.9	355.8	75000	A904_ 355.8 S4 M4LA4	154	A904_ 355.8 P132 BN132MA4	155
4.7	13504	1.0	304.9	75000	A904_ 304.9 S4 M4LA4	154	A904_ 304.9 P132 BN132MA4	155
5.1	12465	1.1	281.4	75000	A904_ 281.4 S4 M4LA4	154	A904_ 281.4 P132 BN132MA4	155
6.4	10029	1.4	226.4	75000	A904_ 226.4 S4 M4LA4	154	A904_ 226.4 P132 BN132MA4	155
6.9	9257	1.5	209.0	75000	A904_ 209.0 S4 M4LA4	154	A904_ 209.0 P132 BN132MA4	155
8.0	7971	1.8	180.0	75000	A904_ 180.0 S4 M4LA4	154	A904_ 180.0 P132 BN132MA4	155
8.4	7587	1.1	171.3	65000	A804_ 171.3 S4 M4LA4	151	A804_ 171.3 P132 BN132MA4	152
8.7	7358	1.9	166.1	75000	A904_ 166.1 S4 M4LA4	154	A904_ 166.1 P132 BN132MA4	155
9.2	7101	1.1	156.8	65000	A803_ 156.8 S4 M4LA4	151	A803_ 156.8 P132 BN132MA4	152
9.5	6839	2.0	151.0	75000	A903_ 151.0 S4 M4LA4	154	A903_ 151.0 P132 BN132MA4	155
9.9	6555	1.2	144.7	65000	A803_ 144.7 S4 M4LA4	151	A803_ 144.7 P132 BN132MA4	152
10.3	6313	2.0	139.4	75000	A903_ 139.4 S4 M4LA4	154	A903_ 139.4 P132 BN132MA4	155
11.4	5735	2.3	126.6	75000	A903_ 126.6 S4 M4LA4	154	A903_ 126.6 P132 BN132MA4	155
11.5	5689	1.4	125.6	65000	A803_ 125.6 S4 M4LA4	151	A803_ 125.6 P132 BN132MA4	152
11.9	5462	0.9	120.6	50000	A703_ 120.6 S4 M4LA4	148	A703_ 120.6 P132 BN132MA4	149
12.3	5294	2.6	116.9	75000	A903_ 116.9 S4 M4LA4	154	A903_ 116.9 P132 BN132MA4	155
12.4	5251	1.5	116.0	65000	A803_ 116.0 S4 M4LA4	151	A803_ 116.0 P132 BN132MA4	152
13.5	4838	2.9	106.8	75000	A903_ 106.8 S4 M4LA4	154	A903_ 106.8 P132 BN132MA4	155
13.8	4721	1.1	104.2	50000	A703_ 104.2 S4 M4LA4	148	A703_ 104.2 P132 BN132MA4	149
13.8	4711	1.7	104.0	65000	A803_ 104.0 S4 M4LA4	151	A803_ 104.0 P132 BN132MA4	152
14.6	4465	3.1	98.6	75000	A903_ 98.6 S4 M4LA4	154	A903_ 98.6 P132 BN132MA4	155
15.0	4357	1.1	96.2	50000	A703_ 96.2 S4 M4LA4	148	A703_ 96.2 P132 BN132MA4	149
15.0	4349	1.8	96.0	65000	A803_ 96.0 S4 M4LA4	151	A803_ 96.0 P132 BN132MA4	152
16.1	4039	2.0	89.2	65000	A803_ 89.2 S4 M4LA4	151	A803_ 89.2 P132 BN132MA4	152
16.8	3892	1.3	85.9	50000	A703_ 85.9 S4 M4LA4	148	A703_ 85.9 P132 BN132MA4	149
17.5	3728	2.1	82.3	65000	A803_ 82.3 S4 M4LA4	151	A803_ 82.3 P132 BN132MA4	152
18.2	3593	1.4	79.3	50000	A703_ 79.3 S4 M4LA4	148	A703_ 79.3 P132 BN132MA4	149
19.9	3284	1.5	72.5	50000	A703_ 72.5 S4 M4LA4	148	A703_ 72.5 P132 BN132MA4	149
19.9	3277	2.4	72.4	65000	A803_ 72.4 S4 M4LA4	151	A803_ 72.4 P132 BN132MA4	152
20.5	3188	0.9	70.4	30000	A603_ 70.4 S4 M4LA4	144	A603_ 70.4 P132 BN132MA4	145
21.5	3032	1.6	66.9	50000	A703_ 66.9 S4 M4LA4	148	A703_ 66.9 P132 BN132MA4	149
21.6	3025	2.6	66.8	65000	A803_ 66.8 S4 M4LA4	151	A803_ 66.8 P132 BN132MA4	152
22.2	2943	1.0	65.0	30000	A603_ 65.0 S4 M4LA4	144	A603_ 65.0 P132 BN132MA4	145
24.1	2707	3.0	59.8	63800	A803_ 59.8 S4 M4LA4	151	A803_ 59.8 P132 BN132MA4	152
25.0	2612	1.9	57.7	50000	A703_ 57.7 S4 M4LA4	148	A703_ 57.7 P132 BN132MA4	149
25.9	2518	1.1	55.6	30000	A603_ 55.6 S4 M4LA4	144	A603_ 55.6 P132 BN132MA4	145
26.1	2499	3.2	55.2	62600	A803_ 55.2 S4 M4LA4	151	A803_ 55.2 P132 BN132MA4	152
27.1	2411	2.1	53.2	50000	A703_ 53.2 S4 M4LA4	148	A703_ 53.2 P132 BN132MA4	149
28.1	2324	1.2	51.3	30000	A603_ 51.3 S4 M4LA4	144	A603_ 51.3 P132 BN132MA4	145
29.4	2219	2.3	49.0	50000	A703_ 49.0 S4 M4LA4	148	A703_ 49.0 P132 BN132MA4	149
32	2048	2.3	45.2	50000	A703_ 45.2 S4 M4LA4	148	A703_ 45.2 P132 BN132MA4	149
32	2046	1.4	45.2	30000	A603_ 45.2 S4 M4LA4	144	A603_ 45.2 P132 BN132MA4	145
35	1889	1.5	41.7	30000	A603_ 41.7 S4 M4LA4	144	A603_ 41.7 P132 BN132MA4	145
36	1825	1.1	40.3	30000	A553_ 40.3 S4 M4LA4	140	A553_ 40.3 P132 BN132MA4	141
38	1738	2.8	38.4	50000	A703_ 38.4 S4 M4LA4	148	A703_ 38.4 P132 BN132MA4	149

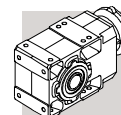


7.5 kW






n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N			IEC	
40	1612	0.9	35.6	10100	A503_ 35.6 S4 M4LA4	136	A503_ 35.6 P132 BN132MA4	137
41	1605	2.8	35.4	50000	A703_ 35.4 S4 M4LA4	148	A703_ 35.4 P132 BN132MA4	149
42	1553	1.8	34.3	30000	A603_ 34.3 S4 M4LA4	144	A603_ 34.3 P132 BN132MA4	145
44	1466	1.0	32.4	10300	A503_ 32.4 S4 M4LA4	136	A503_ 32.4 P132 BN132MA4	137
45	1434	2.0	31.7	30000	A603_ 31.7 S4 M4LA4	144	A603_ 31.7 P132 BN132MA4	145
48	1355	1.5	29.9	30000	A553_ 29.9 S4 M4LA4	140	A553_ 29.9 P132 BN132MA4	141
52	1261	2.2	27.9	30000	A603_ 27.9 S4 M4LA4	144	A603_ 27.9 P132 BN132MA4	145
54	1197	1.3	26.4	10700	A503_ 26.4 S4 M4LA4	136	A503_ 26.4 P132 BN132MA4	137
56	1164	2.4	25.7	30000	A603_ 25.7 S4 M4LA4	144	A603_ 25.7 P132 BN132MA4	145
60	1089	1.4	24.0	10800	A503_ 24.0 S4 M4LA4	136	A503_ 24.0 P132 BN132MA4	137
61	1077	1.8	23.8	28800	A553_ 23.8 S4 M4LA4	140	A553_ 23.8 P132 BN132MA4	141
69	979	1.2	20.9	13700	A502_ 20.9 S4 M4LA4	136	A502_ 20.9 P132 BN132MA4	137
70	963	2.1	20.6	30000	A602_ 20.6 S4 M4LA4	144	A602_ 20.6 P132 BN132MA4	145
75	900	2.0	19.2	28800	A552_ 19.2 S4 M4LA4	140	A552_ 19.2 P132 BN132MA4	141
86	783	2.6	16.7	30000	A602_ 16.7 S4 M4LA4	144	A602_ 16.7 P132 BN132MA4	145
87	775	1.5	16.6	13000	A502_ 16.6 S4 M4LA4	136	A502_ 16.6 P132 BN132MA4	137
92	734	2.5	15.7	27300	A552_ 15.7 S4 M4LA4	140	A552_ 15.7 P132 BN132MA4	141
105	644	0.9	13.8	8130	A412_ 13.8 S4 M4LA4	132	A412_ 13.8 P132 BN132MA4	133
110	613	1.8	13.1	12300	A502_ 13.1 S4 M4LA4	136	A502_ 13.1 P132 BN132MA4	137
110	612	2.9	13.1	26100	A552_ 13.1 S4 M4LA4	140	A552_ 13.1 P132 BN132MA4	141
113	594	3.4	12.7	30000	A602_ 12.7 S4 M4LA4	144	A602_ 12.7 P132 BN132MA4	145
123	549	1.0	11.7	7970	A412_ 11.7 S4 M4LA4	132	A412_ 11.7 P132 BN132MA4	133
142	474	1.1	10.1	7850	A412_ 10.1 S4 M4LA4	132	A412_ 10.1 P132 BN132MA4	133
148	455	2.2	9.7	11500	A502_ 9.7 S4 M4LA4	136	A502_ 9.7 P132 BN132MA4	137
155	436	0.9	9.3	5650	A352_ 9.3 S4 M4LA4	128	A352_ 9.3 P132 BN132MA4	129
157	430	1.3	9.2	7710	A412_ 9.2 S4 M4LA4	132	A412_ 9.2 P132 BN132MA4	133
170	396	1.0	8.5	5600	A352_ 8.5 S4 M4LA4	128	A352_ 8.5 P132 BN132MA4	129
173	390	1.4	8.3	7590	A412_ 8.3 S4 M4LA4	132	A412_ 8.3 P132 BN132MA4	133
186	362	2.6	7.7	10800	A502_ 7.7 S4 M4LA4	136	A502_ 7.7 P132 BN132MA4	137
202	333	1.7	7.1	7370	A412_ 7.1 S4 M4LA4	132	A412_ 7.1 P132 BN132MA4	133
205	329	1.1	7.0	5490	A352_ 7.0 S4 M4LA4	128	A352_ 7.0 P132 BN132MA4	129
225	300	1.2	6.4	5420	A352_ 6.4 S4 M4LA4	128	A352_ 6.4 P132 BN132MA4	129
266	253	1.3	5.4	5270	A352_ 5.4 S4 M4LA4	128	A352_ 5.4 P132 BN132MA4	129
275	245	2.2	5.2	6920	A412_ 5.2 S4 M4LA4	132	A412_ 5.2 P132 BN132MA4	133
315	214	2.5	9.2	6710	A412_ 9.2 S4 M4SB2	132	A412_ 9.2 P132 BN132SB2	133
348	194	2.6	8.3	6550	A412_ 8.3 S4 M4SB2	132	A412_ 8.3 P132 BN132SB2	133
413	163	2.3	7.0	4830	A352_ 7.0 S4 M4SB2	128	A352_ 7.0 P132 BN132SB2	129
536	126	2.7	5.4	4550	A352_ 5.4 S4 M4SB2	128	A352_ 5.4 P132 BN132SB2	129

9.2 kW

5.1	15291	0.9	281.4	75000	A904_ 281.4 S4 M4LB4	154	A904_ 281.4 P132 BN132MB4	155
6.4	12302	1.1	226.4	75000	A904_ 226.4 S4 M4LB4	154	A904_ 226.4 P132 BN132MB4	155
6.9	11356	1.2	209.0	75000	A904_ 209.0 S4 M4LB4	154	A904_ 209.0 P132 BN132MB4	155
8.0	9778	1.4	180.0	75000	A904_ 180.0 S4 M4LB4	154	A904_ 180.0 P132 BN132MB4	155
8.4	9307	0.9	171.3	65000	A804_ 171.3 S4 M4LB4	151	A804_ 171.3 P132 BN132MB4	152
8.7	9026	1.6	166.1	75000	A904_ 166.1 S4 M4LB4	154	A904_ 166.1 P132 BN132MB4	155
9.2	8711	0.9	156.8	65000	A803_ 156.8 S4 M4LB4	151	A803_ 156.8 P132 BN132MB4	152
9.5	8389	1.6	151.0	75000	A903_ 151.0 S4 M4LB4	154	A903_ 151.0 P132 BN132MB4	155
9.9	8040	1.0	144.7	65000	A803_ 144.7 S4 M4LB4	151	A803_ 144.7 P132 BN132MB4	152
10.3	7744	1.6	139.4	75000	A903_ 139.4 S4 M4LB4	154	A903_ 139.4 P132 BN132MB4	155
11.4	7035	1.9	126.6	75000	A903_ 126.6 S4 M4LB4	154	A903_ 126.6 P132 BN132MB4	155
11.5	6978	1.1	125.6	65000	A803_ 125.6 S4 M4LB4	151	A803_ 125.6 P132 BN132MB4	152
12.3	6494	2.2	116.9	75000	A903_ 116.9 S4 M4LB4	154	A903_ 116.9 P132 BN132MB4	155
12.4	6442	1.2	116.0	65000	A803_ 116.0 S4 M4LB4	151	A803_ 116.0 P132 BN132MB4	152
13.5	5934	2.4	106.8	75000	A903_ 106.8 S4 M4LB4	154	A903_ 106.8 P132 BN132MB4	155
13.8	5779	1.4	104.0	65000	A803_ 104.0 S4 M4LB4	151	A803_ 104.0 P132 BN132MB4	152
14.6	5478	2.6	98.6	75000	A903_ 98.6 S4 M4LB4	154	A903_ 98.6 P132 BN132MB4	155
15.0	5345	0.9	96.2	50000	A703_ 96.2 S4 M4LB4	148	A703_ 96.2 P132 BN132MB4	149
15.0	5335	1.5	96.0	65000	A803_ 96.0 S4 M4LB4	151	A803_ 96.0 P132 BN132MB4	152
16.1	4954	1.6	89.2	65000	A803_ 89.2 S4 M4LB4	151	A803_ 89.2 P132 BN132MB4	152
16.5	4837	2.9	87.1	75000	A903_ 87.1 S4 M4LB4	154	A903_ 87.1 P132 BN132MB4	155
16.8	4774	1.0	85.9	50000	A703_ 85.9 S4 M4LB4	148	A703_ 85.9 P132 BN132MB4	149
17.5	4573	1.7	82.3	65000	A803_ 82.3 S4 M4LB4	151	A803_ 82.3 P132 BN132MB4	152
17.9	4465	3.1	80.4	75000	A903_ 80.4 S4 M4LB4	154	A903_ 80.4 P132 BN132MB4	155
18.2	4407	1.1	79.3	50000	A703_ 79.3 S4 M4LB4	148	A703_ 79.3 P132 BN132MB4	149
19.3	4137	3.4	74.5	75000	A903_ 74.5 S4 M4LB4	154	A903_ 74.5 P132 BN132MB4	155

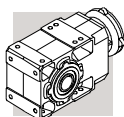


9.2 kW





n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N			 IEC 	
19.9	4029	1.2	72.5	50000	A703_ 72.5 S4 M4LB4	148	A703_ 72.5 P132 BN132MB4	149
19.9	4020	2.0	72.4	65000	A803_ 72.4 S4 M4LB4	151	A803_ 72.4 P132 BN132MB4	152
21.5	3719	1.3	66.9	50000	A703_ 66.9 S4 M4LB4	148	A703_ 66.9 P132 BN132MB4	149
21.6	3711	2.2	66.8	63800	A803_ 66.8 S4 M4LB4	151	A803_ 66.8 P132 BN132MB4	152
24.1	3321	2.4	59.8	62400	A803_ 59.8 S4 M4LB4	151	A803_ 59.8 P132 BN132MB4	152
25.0	3204	1.6	57.7	50000	A703_ 57.7 S4 M4LB4	148	A703_ 57.7 P132 BN132MB4	149
25.9	3089	0.9	55.6	30000	A603_ 55.6 S4 M4LB4	144	A603_ 55.6 P132 BN132MB4	145
26.1	3065	2.6	55.2	61300	A803_ 55.2 S4 M4LB4	151	A803_ 55.2 P132 BN132MB4	152
27.1	2957	1.7	53.2	50000	A703_ 53.2 S4 M4LB4	148	A703_ 53.2 P132 BN132MB4	149
28.1	2851	1.0	51.3	30000	A603_ 51.3 S4 M4LB4	144	A603_ 51.3 P132 BN132MB4	145
29.4	2722	1.8	49.0	50000	A703_ 49.0 S4 M4LB4	148	A703_ 49.0 P132 BN132MB4	149
29.9	2677	3.0	48.2	59500	A803_ 48.2 S4 M4LB4	151	A803_ 48.2 P132 BN132MB4	152
32	2513	1.9	45.2	50000	A703_ 45.2 S4 M4LB4	148	A703_ 45.2 P132 BN132MB4	149
32	2510	1.1	45.2	30000	A603_ 45.2 S4 M4LB4	144	A603_ 45.2 P132 BN132MB4	145
32	2471	3.0	44.5	58400	A803_ 44.5 S4 M4LB4	151	A803_ 44.5 P132 BN132MB4	152
35	2317	1.2	41.7	30000	A603_ 41.7 S4 M4LB4	144	A603_ 41.7 P132 BN132MB4	145
38	2132	2.3	38.4	50000	A703_ 38.4 S4 M4LB4	148	A703_ 38.4 P132 BN132MB4	149
41	1968	2.3	35.4	50000	A703_ 35.4 S4 M4LB4	148	A703_ 35.4 P132 BN132MB4	149
42	1905	1.5	34.3	30000	A603_ 34.3 S4 M4LB4	144	A603_ 34.3 P132 BN132MB4	145
45	1759	1.6	31.7	30000	A603_ 31.7 S4 M4LB4	144	A603_ 31.7 P132 BN132MB4	145
48	1663	1.2	29.9	29100	A553_ 29.9 S4 M4LB4	140	A553_ 29.9 P132 BN132MB4	141
52	1547	1.8	27.9	30000	A603_ 27.9 S4 M4LB4	144	A603_ 27.9 P132 BN132MB4	145
54	1469	1.0	26.4	9130	A503_ 26.4 S4 M4LB4	136	A503_ 26.4 P132 BN132MB4	137
56	1428	2.0	25.7	30000	A603_ 25.7 S4 M4LB4	144	A603_ 25.7 P132 BN132MB4	145
60	1336	1.1	24.0	9370	A503_ 24.0 S4 M4LB4	136	A503_ 24.0 P132 BN132MB4	137
61	1322	1.5	23.8	27900	A553_ 23.8 S4 M4LB4	140	A553_ 23.8 P132 BN132MB4	141
68	1183	3.4	21.3	46000	A703_ 21.3 S4 M4LB4	148	A703_ 21.3 P132 BN132MB4	149
69	1200	1.0	20.9	13000	A502_ 20.9 S4 M4LB4	136	A502_ 20.9 P132 BN132MB4	137
70	1182	1.7	20.6	30000	A602_ 20.6 S4 M4LB4	144	A602_ 20.6 P132 BN132MB4	145
73	1092	3.4	19.7	45100	A703_ 19.7 S4 M4LB4	148	A703_ 19.7 P132 BN132MB4	149
75	1104	1.6	19.2	28400	A552_ 19.2 S4 M4LB4	140	A552_ 19.2 P132 BN132MB4	141
86	960	2.1	16.7	30000	A602_ 16.7 S4 M4LB4	144	A602_ 16.7 P132 BN132MB4	145
87	951	1.3	16.6	12500	A502_ 16.6 S4 M4LB4	136	A502_ 16.6 P132 BN132MB4	137
92	900	2.0	15.7	27000	A552_ 15.7 S4 M4LB4	140	A552_ 15.7 P132 BN132MB4	141
110	752	1.5	13.1	11900	A502_ 13.1 S4 M4LB4	136	A502_ 13.1 P132 BN132MB4	137
110	750	2.4	13.1	25800	A552_ 13.1 S4 M4LB4	140	A552_ 13.1 P132 BN132MB4	141
113	729	2.7	12.7	30000	A602_ 12.7 S4 M4LB4	144	A602_ 12.7 P132 BN132MB4	145
123	650	2.5	23.8	24100	A553_ 23.8 S4 M4LA2	140	A553_ 23.8 P132 BN132M2	141
139	594	3.0	10.4	24200	A552_ 10.4 S4 M4LB4	140	A552_ 10.4 P132 BN132MB4	141
140	592	3.4	10.3	30000	A602_ 10.3 S4 M4LB4	144	A602_ 10.3 P132 BN132MB4	145
142	581	0.9	10.1	7340	A412_ 10.1 S4 M4LB4	132	A412_ 10.1 P132 BN132MB4	133
148	559	1.8	9.7	11200	A502_ 9.7 S4 M4LB4	136	A502_ 9.7 P132 BN132MB4	137
157	528	1.0	9.2	7250	A412_ 9.2 S4 M4LB4	132	A412_ 9.2 P132 BN132MB4	133
173	478	1.2	8.3	7170	A412_ 8.3 S4 M4LB4	132	A412_ 8.3 P132 BN132MB4	133
186	444	2.1	7.7	10600	A502_ 7.7 S4 M4LB4	136	A502_ 7.7 P132 BN132MB4	137
202	409	1.3	7.1	7020	A412_ 7.1 S4 M4LB4	132	A412_ 7.1 P132 BN132MB4	133
205	403	0.9	7.0	5110	A352_ 7.0 S4 M4LB4	128	A352_ 7.0 P132 BN132MB4	129
225	368	1.0	6.4	5070	A352_ 6.4 S4 M4LB4	128	A352_ 6.4 P132 BN132MB4	129
266	311	1.1	5.4	4980	A352_ 5.4 S4 M4LB4	128	A352_ 5.4 P132 BN132MB4	129
275	301	1.8	5.2	6660	A412_ 5.2 S4 M4LB4	132	A412_ 5.2 P132 BN132MB4	133
319	259	2.0	9.2	6480	A412_ 9.2 S4 M4LA2	132	A412_ 9.2 P132 BN132M2	133
379	218	3.4	7.7	8780	A502_ 7.7 S4 M4LA2	136	A502_ 7.7 P132 BN132M2	137
541	153	2.2	5.4	4410	A352_ 5.4 S4 M4LA2	128	A352_ 5.4 P132 BN132M2	129
559	148	3.0	5.2	5690	A412_ 5.2 S4 M4LA2	132	A412_ 5.2 P132 BN132M2	133

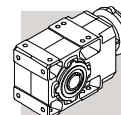
11 kW

6.4	14709	1.0	226.4	75000	A904_ 226.4 S4 M4LC4	154	A904_ 226.4 P160 BN160MR4	155
6.9	13577	1.0	209.0	75000	A904_ 209.0 S4 M4LC4	154	A904_ 209.0 P160 BN160MR4	155
8.0	11691	1.2	180.0	75000	A904_ 180.0 S4 M4LC4	154	A904_ 180.0 P160 BN160MR4	155
8.7	10792	1.3	166.1	75000	A904_ 166.1 S4 M4LC4	154	A904_ 166.1 P160 BN160MR4	155
9.5	10030	1.4	151.0	75000	A903_ 151.0 S4 M4LC4	154	A903_ 151.0 P160 BN160MR4	155
10.3	9259	1.4	139.4	75000	A903_ 139.4 S4 M4LC4	154	A903_ 139.4 P160 BN160MR4	155
11.4	8412	1.6	126.6	75000	A903_ 126.6 S4 M4LC4	154	A903_ 126.6 P160 BN160MR4	155
11.5	8344	1.0	125.6	65000	A803_ 125.6 S4 M4LC4	151	A803_ 125.6 P160 BN160MR4	152
12.3	7765	1.8	116.9	75000	A903_ 116.9 S4 M4LC4	154	A903_ 116.9 P160 BN160MR4	155







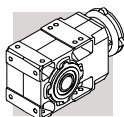
11 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
12.4	7702	1.0	116.0	65000	A803_ 116.0 S4 M4LC4	151	A803_ 116.0 P160 BN160MR4	152
13.5	7095	2.0	106.8	75000	A903_ 106.8 S4 M4LC4	154	A903_ 106.8 P160 BN160MR4	155
13.8	6910	1.2	104.0	65000	A803_ 104.0 S4 M4LC4	151	A803_ 104.0 P160 BN160MR4	152
14.6	6549	2.1	98.6	75000	A903_ 98.6 S4 M4LC4	154	A903_ 98.6 P160 BN160MR4	155
15.0	6378	1.3	96.0	65000	A803_ 96.0 S4 M4LC4	151	A803_ 96.0 P160 BN160MR4	152
16.1	5923	1.4	89.2	65000	A803_ 89.2 S4 M4LC4	151	A803_ 89.2 P160 BN160MR4	152
16.5	5783	2.4	87.1	75000	A903_ 87.1 S4 M4LC4	154	A903_ 87.1 P160 BN160MR4	155
17.5	5468	1.5	82.3	64500	A803_ 82.3 S4 M4LC4	151	A803_ 82.3 P160 BN160MR4	152
17.9	5338	2.6	80.4	75000	A903_ 80.4 S4 M4LC4	154	A903_ 80.4 P160 BN160MR4	155
18.2	5269	0.9	79.3	50000	A703_ 79.3 S4 M4LC4	148	A703_ 79.3 P160 BN160MR4	149
19.3	4947	2.8	74.5	75000	A903_ 74.5 S4 M4LC4	154	A903_ 74.5 P160 BN160MR4	155
19.9	4817	1.0	72.5	50000	A703_ 72.5 S4 M4LC4	148	A703_ 72.5 P160 BN160MR4	149
19.9	4807	1.7	72.4	63200	A803_ 72.4 S4 M4LC4	151	A803_ 72.4 P160 BN160MR4	152
20.9	4566	3.1	68.8	75000	A903_ 68.8 S4 M4LC4	154	A903_ 68.8 P160 BN160MR4	155
21.5	4446	1.1	66.9	50000	A703_ 66.9 S4 M4LC4	148	A703_ 66.9 P160 BN160MR4	149
21.6	4437	1.8	66.8	62200	A803_ 66.8 S4 M4LC4	151	A803_ 66.8 P160 BN160MR4	152
24.1	3971	2.0	59.8	60900	A803_ 59.8 S4 M4LC4	151	A803_ 59.8 P160 BN160MR4	152
24.2	3960	3.5	59.6	75000	A903_ 59.6 S4 M4LC4	154	A903_ 59.6 P160 BN160MR4	155
25.0	3830	1.3	57.7	50000	A703_ 57.7 S4 M4LC4	148	A703_ 57.7 P160 BN160MR4	149
26.1	3665	2.2	55.2	59900	A803_ 55.2 S4 M4LC4	151	A803_ 55.2 P160 BN160MR4	152
27.1	3536	1.4	53.2	50000	A703_ 53.2 S4 M4LC4	148	A703_ 53.2 P160 BN160MR4	149
29.4	3255	1.5	49.0	50000	A703_ 49.0 S4 M4LC4	148	A703_ 49.0 P160 BN160MR4	149
29.9	3200	2.5	48.2	58300	A803_ 48.2 S4 M4LC4	151	A803_ 48.2 P160 BN160MR4	152
32	3004	1.6	45.2	50000	A703_ 45.2 S4 M4LC4	148	A703_ 45.2 P160 BN160MR4	149
32	3001	0.9	45.2	30000	A603_ 45.2 S4 M4LC4	144	A603_ 45.2 P160 BN160MR4	145
32	2954	2.5	44.5	57300	A803_ 44.5 S4 M4LC4	151	A803_ 44.5 P160 BN160MR4	152
35	2771	1.0	41.7	30000	A603_ 41.7 S4 M4LC4	144	A603_ 41.7 P160 BN160MR4	145
37	2557	3.0	38.5	55500	A803_ 38.5 S4 M4LC4	151	A803_ 38.5 P160 BN160MR4	152
38	2549	1.9	38.4	50000	A703_ 38.4 S4 M4LC4	148	A703_ 38.4 P160 BN160MR4	149
41	2360	3.0	35.5	54500	A603_ 35.5 S4 M4LC4	144	A603_ 35.5 P160 BN160MR4	145
41	2353	1.9	35.4	50000	A703_ 35.4 S4 M4LC4	148	A703_ 35.4 P160 BN160MR4	149
42	2278	1.2	34.3	30000	A603_ 34.3 S4 M4LC4	144	A603_ 34.3 P160 BN160MR4	145
45	2103	1.3	31.7	30000	A603_ 31.7 S4 M4LC4	144	A603_ 31.7 P160 BN160MR4	145
47	2031	3.2	30.6	52600	A803_ 30.6 S4 M4LC4	151	A803_ 30.6 P160 BN160MR4	152
48	1999	2.3	30.1	49400	A703_ 30.1 S4 M4LC4	148	A703_ 30.1 P160 BN160MR4	149
51	1875	3.5	28.2	51600	A803_ 28.2 S4 M4LC4	151	A803_ 28.2 P160 BN160MR4	152
52	1850	1.5	27.9	30000	A603_ 27.9 S4 M4LC4	144	A603_ 27.9 P160 BN160MR4	145
52	1845	2.3	27.8	48500	A703_ 27.8 S4 M4LC4	148	A703_ 27.8 P160 BN160MR4	149
56	1708	1.6	25.7	30000	A603_ 25.7 S4 M4LC4	144	A603_ 25.7 P160 BN160MR4	145
60	1597	0.9	24.0	7800	A503_ 24.0 S4 M4LC4	136	A503_ 24.0 P160 BN160MR4	137
61	1562	2.8	23.5	46600	A703_ 23.5 S4 M4LC4	148	A703_ 23.5 P160 BN160MR4	149
68	1415	2.8	21.3	45500	A703_ 21.3 S4 M4LC4	148	A703_ 21.3 P160 BN160MR4	149
70	1413	1.4	20.6	30000	A602_ 20.6 S4 M4LC4	144	A602_ 20.6 P160 BN160MR4	145
73	1306	2.8	19.7	44500	A703_ 19.7 S4 M4LC4	148	A703_ 19.7 P160 BN160MR4	149
75	1319	1.4	19.2	27900	A552_ 19.2 S4 M4LC4	140	A552_ 19.2 P160 BN160MR4	141
86	1148	1.7	16.7	30000	A602_ 16.7 S4 M4LC4	144	A602_ 16.7 P160 BN160MR4	145
87	1137	1.1	16.6	12000	A502_ 16.6 S4 M4LC4	136	A502_ 16.6 P160 BN160MR4	137
92	1076	1.7	15.7	26600	A552_ 15.7 S4 M4LC4	140	A552_ 15.7 P160 BN160MR4	141
110	899	1.2	13.1	11500	A502_ 13.1 S4 M4LC4	136	A502_ 13.1 P160 BN160MR4	137
110	897	2.0	13.1	25400	A552_ 13.1 S4 M4LC4	140	A552_ 13.1 P160 BN160MR4	141
113	872	2.3	12.7	30000	A602_ 12.7 S4 M4LC4	144	A602_ 12.7 P160 BN160MR4	145
123	779	2.1	23.8	23600	A553_ 23.8 S4 M4LC2	140	A553_ 23.8 P160 BN160MR2	141
139	710	2.5	10.4	24000	A552_ 10.4 S4 M4LC4	140	A552_ 10.4 P160 BN160MR4	141
140	708	2.8	10.3	30000	A602_ 10.3 S4 M4LC4	144	A602_ 10.3 P160 BN160MR4	145
148	668	1.5	9.7	10800	A502_ 9.7 S4 M4LC4	136	A502_ 9.7 P160 BN160MR4	137
170	581	3.1	8.5	22800	A552_ 8.5 S4 M4LC4	140	A552_ 8.5 P160 BN160MR4	141
186	531	1.8	7.7	10300	A502_ 7.7 S4 M4LC4	136	A502_ 7.7 P160 BN160MR4	137
202	489	1.1	7.1	6640	A412_ 7.1 S4 M4LC4	132	A502_ 7.7 P160 BN160MR2	137
223	443	2.0	13.1	9920	A502_ 13.1 S4 M4LC2	136		
248	399	1.0	11.8	4690	A352_ 11.8 S4 M4LC2	128		
275	360	1.1	10.6	4660	A352_ 10.6 S4 M4LC2	128		
317	311	1.7	9.2	6230	A412_ 9.2 S4 M4LC2	132		
377	262	2.8	7.7	8650	A502_ 7.7 S4 M4LC2	136		
416	238	1.6	7.0	4440	A352_ 7.0 S4 M4LC2	128		
456	217	1.6	6.4	4380	A352_ 6.4 S4 M4LC2	128		
539	183	1.9	5.4	4250	A352_ 5.4 S4 M4LC2	128		



15 kW

n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
8.1	15724	0.9	180.0	75000			A904_ 180.0 P160 BN160L4	155
8.8	14514	1.0	166.1	75000			A904_ 166.1 P160 BN160L4	155
9.7	13490	1.0	151.0	75000	A903_ 151.0 S5 M5SB4	154	A903_ 151.0 P160 BN160L4	155
10.5	12452	1.0	139.4	75000	A903_ 139.4 S5 M5SB4	154	A903_ 139.4 P160 BN160L4	155
11.5	11314	1.2	126.6	75000	A903_ 126.6 S5 M5SB4	154	A903_ 126.6 P160 BN160L4	155
12.5	10443	1.3	116.9	75000	A903_ 116.9 S5 M5SB4	154	A903_ 116.9 P160 BN160L4	155
13.7	9543	1.5	106.8	75000	A903_ 106.8 S5 M5SB4	154	A903_ 106.8 P160 BN160L4	155
14.8	8808	1.6	98.6	75000	A903_ 98.6 S5 M5SB4	154	A903_ 98.6 P160 BN160L4	155
15.2	8578	0.9	96.0	60600	A803_ 96.0 S5 M5SB4	151	A803_ 96.0 P160 BN160L4	149
16.4	7967	1.0	89.2	60400	A803_ 89.2 S5 M5SB4	151	A803_ 89.2 P160 BN160L4	149
16.8	7778	1.8	87.1	75000	A903_ 87.1 S5 M5SB4	154	A903_ 87.1 P160 BN160L4	155
17.7	7354	1.1	82.3	59800	A803_ 82.3 S5 M5SB4	151	A803_ 82.3 P160 BN160L4	149
18.2	7180	1.9	80.4	75000	A903_ 80.4 S5 M5SB4	154	A903_ 80.4 P160 BN160L4	155
19.6	6654	2.1	74.5	75000	A903_ 74.5 S5 M5SB4	154	A903_ 74.5 P160 BN160L4	155
20.2	6465	1.2	72.4	59100	A803_ 72.4 S5 M5SB4	151	A803_ 72.4 P160 BN160L4	149
21.2	6142	2.3	68.8	75000	A903_ 68.8 S5 M5SB4	154	A903_ 68.8 P160 BN160L4	155
21.9	5968	1.3	66.8	58300	A803_ 66.8 S5 M5SB4	151	A803_ 66.8 P160 BN160L4	149
24.4	5340	1.5	59.8	57500	A803_ 59.8 S5 M5SB4	151	A803_ 59.8 P160 BN160L4	149
24.5	5326	2.6	59.6	75000	A903_ 59.6 S5 M5SB4	154	A903_ 59.6 P160 BN160L4	155
25.3	5152	1.0	57.7	50000	A703_ 57.7 S5 M5SB4	148	A703_ 57.7 P160 BN160L4	149
26.5	4930	1.6	55.2	56700	A803_ 55.2 S5 M5SB4	151	A803_ 55.2 P160 BN160L4	149
26.5	4916	2.8	55.0	75000	A903_ 55.0 S5 M5SB4	154	A903_ 55.0 P160 BN160L4	155
27.4	4755	1.1	53.2	50000	A703_ 53.2 S5 M5SB4	148	A703_ 53.2 P160 BN160L4	149
29.8	4377	1.1	49.0	50000	A703_ 49.0 S5 M5SB4	148	A703_ 49.0 P160 BN160L4	149
30.0	4315	3.2	48.3	74900	A903_ 48.3 S5 M5SB4	154	A903_ 48.3 P160 BN160L4	155
30.0	4304	1.9	48.2	55500	A803_ 48.2 S5 M5SB4	151	A803_ 48.2 P160 BN160L4	149
32	4041	1.2	45.2	50000	A703_ 45.2 S5 M5SB4	148	A703_ 45.2 P160 BN160L4	149
33	3983	3.5	44.6	73500	A903_ 44.6 S5 M5SB4	154	A903_ 44.6 P160 BN160L4	155
33	3973	1.9	44.5	54700	A803_ 44.5 S5 M5SB4	151	A803_ 44.5 P160 BN160L4	149
38	3439	2.2	38.5	53200			A803_ 38.5 P160 BN160L4	149
38	3429	1.4	38.4	49900	A703_ 38.4 S5 M5SB4	148	A703_ 38.4 P160 BN160L4	149
41	3175	2.2	35.5	52300			A803_ 35.5 P160 BN160L4	149
41	3165	1.4	35.4	49100	A703_ 35.4 S5 M5SB4	148	A703_ 35.4 P160 BN160L4	149
43	3064	0.9	34.3	30000	A603_ 34.3 S5 M5SB4	144	A603_ 34.3 P160 BN160L4	145
46	2828	1.0	31.7	30000	A603_ 31.7 S5 M5SB4	144	A603_ 31.7 P160 BN160L4	145
48	2731	2.4	30.6	50800			A803_ 30.6 P160 BN160L4	149
49	2689	1.7	30.1	47600			A703_ 30.1 P160 BN160L4	149
52	2521	2.6	28.2	49900			A803_ 28.2 P160 BN160L4	149
52	2488	1.1	27.9	30000	A603_ 27.9 S5 M5SB4	144	A603_ 27.9 P160 BN160L4	145
53	2482	1.7	27.8	46700			A703_ 27.8 P160 BN160L4	149
57	2297	1.2	25.7	30000	A603_ 25.7 S5 M5SB4	144	A603_ 25.7 P160 BN160L4	145
61	2125	0.9	23.8	25000	A553_ 23.8 S5 M5SB4	140	A553_ 23.8 P160 BN160L4	141
62	2101	2.0	23.5	45100	A703_ 23.5 S5 M5SB4	148	A703_ 23.5 P160 BN160L4	149
69	1903	2.1	21.3	44100	A703_ 21.3 S5 M5SB4	148	A703_ 21.3 P160 BN160L4	149
70	1871	3.5	20.9	46600	A803_ 20.9 S5 M5SB4	151	A803_ 20.9 P160 BN160L4	149
71	1900	1.1	20.6	30000	A602_ 20.6 S5 M5SB4	144	A602_ 20.6 P160 BN160L4	145
74	1757	2.1	19.7	43300	A703_ 19.7 S5 M5SB4	148	A703_ 19.7 P160 BN160L4	149
75	1728	3.5	19.3	45700	A803_ 19.3 S5 M5SB4	151	A803_ 19.3 P160 BN160L4	152
76	1775	1.0	19.2	26800	A552_ 19.2 S5 M5SB4	140	A552_ 19.2 P160 BN160L4	141
87	1544	1.3	16.7	30000	A602_ 16.7 S5 M5SB4	144	A602_ 16.7 P160 BN160L4	145
87	1491	2.7	16.7	41600	A703_ 16.7 S5 M5SB4	148	A703_ 16.7 P160 BN160L4	149
93	1447	1.2	15.7	25700	A552_ 15.7 S5 M5SB4	140	A552_ 15.7 P160 BN160L4	141
95	1376	2.7	15.4	40800	A703_ 15.4 S5 M5SB4	148	A703_ 15.4 P160 BN160L4	149
111	1209	0.9	13.1	10500			A502_ 13.1 P160 BN160L4	137
112	1207	1.5	13.1	24700	A552_ 13.1 S5 M5SB4	140	A552_ 13.1 P160 BN160L4	141
112	1169	3.3	13.1	39200	A703_ 13.1 S5 M5SB4	148	A703_ 13.1 P160 BN160L4	149
115	1172	1.7	12.7	30000	A602_ 12.7 S5 M5SB4	144	A602_ 12.7 P160 BN160L4	145
121	1079	3.3	12.1	38400	A703_ 12.1 S5 M5SB4	148	A703_ 12.1 P160 BN160L4	149
123	1059	1.5	23.8	22600	A553_ 23.8 S5 M5SB4	140	A553_ 23.8 P160 BN160L4	141
141	956	1.9	10.4	23400	A552_ 10.4 S5 M5SB4	140	A552_ 10.4 P160 BN160L4	141
142	952	2.1	10.3	30000	A602_ 10.3 S5 M5SB4	144	A602_ 10.3 P160 BN160L4	145
150	898	1.1	9.7	10100			A502_ 9.7 P160 BN160L4	137
173	781	2.3	8.5	22200	A552_ 8.5 S5 M5SB4	140	A552_ 8.5 P160 BN160L4	141
186	726	2.8	7.9	28300	A602_ 7.9 S5 M5SB4	144	A602_ 7.9 P160 BN160L4	145
189	714	1.3	7.7	9750			A502_ 7.7 P160 BN160L4	137
228	592	2.9	6.4	20700	A552_ 6.4 S5 M5SB4	140	A552_ 6.4 P160 BN160L4	141
295	456	3.5	4.9	19400	A552_ 4.9 S5 M5SB4	140	A552_ 4.9 P160 BN160L4	141

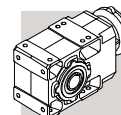


15 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				
301	448	1.8	9.7	8830			A502_ 9.7 P160 BN160MB2	137
352	383	1.3	8.3	5630			A412_ 8.3 P160 BN160MB2	133
379	356	2.1	7.7	8350			A502_ 7.7 P160 BN160MB2	137

18.5 kW

11.5	13954	0.9	126.6	75000	A903_ 126.6 S5 M5LA4	154	A903_ 126.6 P180 BN180M4	155
12.5	12880	1.1	116.9	75000	A903_ 116.9 S5 M5LA4	154	A903_ 116.9 P180 BN180M4	155
13.7	11769	1.2	106.8	75000	A903_ 106.8 S5 M5LA4	154	A903_ 106.8 P180 BN180M4	155
14.8	10864	1.3	98.6	75000	A903_ 98.6 S5 M5LA4	154	A903_ 98.6 P180 BN180M4	155
16.8	9593	1.5	87.1	75000	A903_ 87.1 S5 M5LA4	154	A903_ 87.1 P180 BN180M4	155
18.2	8855	1.6	80.4	75000	A903_ 80.4 S5 M5LA4	154	A903_ 80.4 P180 BN180M4	155
19.6	8206	1.7	74.5	75000	A903_ 74.5 S5 M5LA4	154	A903_ 74.5 P180 BN180M4	155
20.2	7973	1.0	72.4	55600	A803_ 72.4 S5 M5LA4	151	A803_ 72.4 P180 BN180M4	152
21.2	7575	1.8	68.8	75000	A903_ 68.8 S5 M5LA4	154	A903_ 68.8 P180 BN180M4	155
21.9	7360	1.1	66.8	55100			A803_ 66.8 P180 BN180M4	152
24.4	6586	1.2	59.8	54700	A803_ 59.8 S5 M5LA4	151	A803_ 59.8 P180 BN180M4	152
24.5	6568	2.1	59.6	75000	A903_ 59.6 S5 M5LA4	154	A903_ 59.6 P180 BN180M4	155
26.5	6080	1.3	55.2	54100	A803_ 55.2 S5 M5LA4	151	A803_ 55.2 P180 BN180M4	152
26.5	6063	2.3	55.0	74900	A903_ 55.0 S5 M5LA4	154	A903_ 55.0 P180 BN180M4	155
29.8	5399	0.9	49.0	49600	A703_ 49.0 S5 M5LA4	148	A703_ 49.0 P180 BN180M4	149
30.0	5322	2.6	48.3	73100			A903_ 48.3 P180 BN180M4	155
30.0	5309	1.5	48.2	53200	A803_ 48.2 S5 M5LA4	151	A803_ 48.2 P180 BN180M4	152
32	4983	1.0	45.2	49000	A703_ 45.2 S5 M5LA4	148	A703_ 45.2 P180 BN180M4	149
33	4912	2.9	44.6	71800	A903_ 44.6 S5 M5LA4	154	A903_ 44.6 P180 BN180M4	155
33	4900	1.5	44.5	52500	A803_ 44.5 S5 M5LA4	151	A803_ 44.5 P180 BN180M4	152
38	4276	3.3	38.8	69700			A903_ 38.8 P180 BN180M4	155
38	4242	1.8	38.5	51400			A803_ 38.5 P180 BN180M4	152
38	4229	1.1	38.4	48000	A703_ 38.4 S5 M5LA4	148	A703_ 38.4 P180 BN180M4	149
41	3947	3.5	35.8	68500			A903_ 35.8 P180 BN180M4	155
41	3916	1.8	35.5	50600			A803_ 35.5 P180 BN180M4	152
41	3904	1.2	35.4	47300	A703_ 35.4 S5 M5LA4	148	A703_ 35.4 P180 BN180M4	149
48	3369	1.9	30.6	49300			A803_ 30.6 P180 BN180M4	152
49	3316	1.4	30.1	46100			A703_ 30.1 P180 BN180M4	149
52	3110	2.1	28.2	48500			A803_ 28.2 P180 BN180M4	152
52	3069	0.9	27.9	30000	A603_ 27.9 S5 M5LA4	144	A603_ 27.9 P180 BN180M4	145
53	3061	1.4	27.8	45300			A703_ 27.8 P180 BN180M4	149
57	2833	1.0	25.7	30000	A603_ 25.7 S5 M5LA4	144	A603_ 25.7 P180 BN180M4	145
60	2699	2.5	24.5	47200			A803_ 24.5 P180 BN180M4	152
62	2591	1.7	23.5	43900			A703_ 23.5 P180 BN180M4	149
65	2492	2.5	22.6	46300			A803_ 22.6 P180 BN180M4	152
69	2347	1.7	21.3	43000	A703_ 21.3 S5 M5LA4	148	A703_ 21.3 P180 BN180M4	149
70	2308	2.8	20.9	45600	A803_ 20.9 S5 M5LA4	151	A803_ 20.9 P180 BN180M4	152
74	2167	1.7	19.7	42300	A703_ 19.7 S5 M5LA4	148	A703_ 19.7 P180 BN180M4	149
75	2131	2.8	19.3	44800	A803_ 19.3 S5 M5LA4	151	A803_ 19.3 P180 BN180M4	152
87	1905	1.0	16.7	30000	A602_ 16.7 S5 M5LA4	144	A602_ 16.7 P180 BN180M4	145
87	1839	2.2	16.7	40800	A703_ 16.7 S5 M5LA4	148	A703_ 16.7 P180 BN180M4	149
93	1785	1.0	15.7	25000	A552_ 15.7 S5 M5LA4	140	A552_ 15.7 P180 BN180M4	141
95	1697	2.2	15.4	40100	A703_ 15.4 S5 M5LA4	148	A703_ 15.4 P180 BN180M4	149
112	1488	1.2	13.1	24100	A552_ 13.1 S5 M5LA4	140	A552_ 13.1 P180 BN180M4	141
112	1442	2.7	13.1	38600	A703_ 13.1 S5 M5LA4	148	A703_ 13.1 P180 BN180M4	149
115	1446	1.4	12.7	30000	A602_ 12.7 S5 M5LA4	144	A602_ 12.7 P180 BN180M4	145
121	1331	2.7	12.1	37800	A703_ 12.1 S5 M5LA4	148	A703_ 12.1 P180 BN180M4	149
123	1306	1.2	23.8	21600	A553_ 23.8 S5 M5SC2	140	A553_ 23.8 P160 BN160L2	141
141	1179	1.5	10.4	22900	A552_ 10.4 S5 M5LA4	140	A552_ 10.4 P180 BN180M4	141
142	1174	1.7	10.3	29900	A602_ 10.3 S5 M5LA4	144	A602_ 10.3 P180 BN180M4	145
143	1127	2.9	10.2	36300	A703_ 10.2 S5 M5LA4	148	A703_ 10.2 P180 BN180M4	149
150	1108	0.9	9.7	9530	A502_ 9.7 S5 M5LA4	136	A502_ 9.7 P180 BN180M4	137
155	1040	2.9	9.4	35600	A703_ 9.4 S5 M5LA4	148	A703_ 9.4 P180 BN180M4	149
173	963	1.9	8.5	21900	A552_ 8.5 S5 M5LA4	140	A552_ 8.5 P180 BN180M4	141
186	895	2.2	7.9	27900	A602_ 7.9 S5 M5LA4	144	A602_ 7.9 P180 BN180M4	145
189	881	1.1	7.7	9260			A502_ 7.7 P180 BN180M4	137
228	730	2.3	6.4	20400	A552_ 6.4 S5 M5LA4	140	A552_ 6.4 P180 BN180M4	141
295	563	2.8	4.9	19100	A552_ 4.9 S5 M5LA4	140	A552_ 4.9 P180 BN180M4	141
379	439	1.7	7.7	8100			A502_ 7.7 P160 BN160L2	137

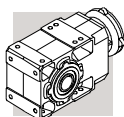


22 kW





n ₂ min ⁻¹	M ₂ Nm	S	i	R _{n2} N				
12.5	15317	0.9	116.9	75000			A903_ 116.9 P180 BN180L4	155
13.7	13996	1.0	106.8	75000			A903_ 106.8 P180 BN180L4	155
14.8	12919	1.1	98.6	75000			A903_ 98.6 P180 BN180L4	155
16.8	11408	1.2	87.1	75000			A903_ 87.1 P180 BN180L4	155
18.2	10530	1.3	80.4	75000			A903_ 80.4 P180 BN180L4	155
19.6	9758	1.4	74.5	75000			A903_ 74.5 P180 BN180L4	155
21.2	9008	1.6	68.8	75000			A903_ 68.8 P180 BN180L4	155
21.9	8753	0.9	66.8	51900			A803_ 66.8 P180 BN180L4	152
24.4	7832	1.0	59.8	51800			A803_ 59.8 P180 BN180L4	152
24.5	7811	1.8	59.6	73800			A903_ 59.6 P180 BN180L4	155
26.5	7230	1.1	55.2	51400			A803_ 55.2 P180 BN180L4	152
26.5	7210	1.9	55.0	72700			A903_ 55.0 P180 BN180L4	155
30.0	6328	2.2	48.3	71100			A903_ 48.3 P180 BN180L4	155
30.0	6313	1.3	48.2	50900			A803_ 48.2 P180 BN180L4	152
33	5842	2.4	44.6	70000			A903_ 44.6 P180 BN180L4	155
33	5827	1.3	44.5	50300			A803_ 44.5 P180 BN180L4	152
38	5085	2.8	38.8	68100			A903_ 38.8 P180 BN180L4	155
38	5044	1.5	38.5	49500			A803_ 38.5 P180 BN180L4	152
38	5029	1.0	38.4	46000			A703_ 38.4 P180 BN180L4	149
41	4694	2.9	35.8	67000			A903_ 35.8 P180 BN180L4	155
41	4656	1.5	35.5	48900			A803_ 35.5 P180 BN180L4	152
41	4642	1.0	35.4	45500			A703_ 35.4 P180 BN180L4	149
46	4127	3.4	31.5	65200			A903_ 31.5 P180 BN180L4	155
48	4006	1.6	30.6	47800			A803_ 30.6 P180 BN180L4	152
49	3944	1.2	30.1	44500			A703_ 30.1 P180 BN180L4	149
50	3810	3.4	29.1	64000			A903_ 29.1 P180 BN180L4	155
52	3698	1.8	28.2	47100			A803_ 28.2 P180 BN180L4	152
53	3640	1.2	27.8	43900			A703_ 27.8 P180 BN180L4	149
60	3210	2.1	24.5	45900			A803_ 24.5 P180 BN180L4	152
62	3082	1.4	23.5	42700			A703_ 23.5 P180 BN180L4	149
65	2963	2.1	22.6	45200			A803_ 22.6 P180 BN180L4	152
69	2791	1.4	21.3	41900			A703_ 21.3 P180 BN180L4	149
70	2745	2.4	20.9	44600			A803_ 20.9 P180 BN180L4	152
74	2577	1.4	19.7	41200			A703_ 19.7 P180 BN180L4	149
75	2534	2.4	19.3	43800			A803_ 19.3 P180 BN180L4	152
87	2193	3.0	16.7	42500			A803_ 16.7 P180 BN180L4	152
87	2187	1.8	16.7	39900			A703_ 16.7 P180 BN180L4	149
94	2024	3.0	15.5	41700			A803_ 15.5 P180 BN180L4	152
95	2018	1.8	15.4	39200			A703_ 15.4 P180 BN180L4	149
112	1770	1.0	13.1	23500			A552_ 13.1 P180 BN180L4	141
112	1715	2.2	13.1	37900			A703_ 13.1 P180 BN180L4	149
115	1719	1.2	12.7	30000			A602_ 12.7 P180 BN180L4	145
121	1583	2.2	12.1	37200			A703_ 12.1 P180 BN180L4	149
123	1553	1.0	23.8	20900	A553_ 23.8 S5 M5LA2	140	A553_ 23.8 P180 BN180M2	141
141	1401	1.3	10.4	22400			A552_ 10.4 P180 BN180L4	141
142	1396	1.4	10.3	29300			A602_ 10.3 P180 BN180L4	145
143	1340	2.4	10.2	35800			A703_ 10.2 P180 BN180L4	149
155	1237	2.4	9.4	35100			A703_ 9.4 P180 BN180L4	149
173	1145	1.6	8.5	21400			A552_ 8.5 P180 BN180L4	141
186	1064	1.9	7.9	27500			A602_ 7.9 P180 BN180L4	145
189	1047	0.9	7.7	8760			A502_ 7.7 P180 BN180L4	137
228	868	2.0	6.4	20100			A552_ 6.4 P180 BN180L4	141
283	698	2.6	10.4	19100	A552_ 10.4 S5 M5LA2	140	A552_ 10.4 P180 BN180M2	141
295	669	2.4	4.9	18900			A552_ 4.9 P180 BN180L4	141
346	571	3.0	8.5	18200	A552_ 8.5 S5 M5LA2	140	A552_ 8.5 P180 BN180M2	141
379	522	1.4	7.7	7860			A502_ 7.7 P180 BN180M2	137

30 kW

16.8	15556	0.9	87.1	70100			A903_ 87.1 P200 BN200L4	155
18.2	14360	1.0	80.4	70000			A903_ 80.4 P200 BN200L4	155
19.6	13307	1.1	74.5	69700			A903_ 74.5 P200 BN200L4	155
21.2	12283	1.1	68.8	69200			A903_ 68.8 P200 BN200L4	155
24.5	10651	1.3	59.6	68500			A903_ 59.6 P200 BN200L4	155

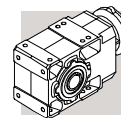


30 kW





n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
26.5	9832	1.4	55.0	67800			A903_ 55.0 P200 BN200L4	155
30.0	8630	1.6	48.3	66900			A903_ 48.3 P200 BN200L4	155
30.0	8609	0.9	48.2	45700			A803_ 48.2 P200 BN200L4	152
33	7966	1.8	44.6	66000			A903_ 44.6 P200 BN200L4	155
33	7946	0.9	44.5	45500			A803_ 44.5 P200 BN200L4	152
38	6934	2.0	38.8	64700			A903_ 38.8 P200 BN200L4	155
38	6879	1.1	38.5	45300			A803_ 38.5 P200 BN200L4	152
41	6400	2.1	35.8	63800			A903_ 35.8 P200 BN200L4	155
41	6349	1.1	35.5	45000			A803_ 35.5 P200 BN200L4	152
46	5628	2.5	31.5	62400			A903_ 31.5 P200 BN200L4	155
48	5463	1.2	30.6	44500			A803_ 30.6 P200 BN200L4	152
50	5195	2.5	29.1	61400			A903_ 29.1 P200 BN200L4	155
52	5043	1.3	28.2	44000			A803_ 28.2 P200 BN200L4	152
60	4377	1.5	24.5	43300			A803_ 24.5 P200 BN200L4	152
61	4307	3.1	24.1	59200			A903_ 24.1 P200 BN200L4	155
62	4202	1.0	23.5	40100			A703_ 23.5 P200 BN200L4	149
65	4041	1.5	22.6	42700			A803_ 22.6 P200 BN200L4	152
66	3976	3.1	22.3	58200			A903_ 22.3 P200 BN200L4	155
70	3752	3.3	21.0	57500			A903_ 21.0 P200 BN200L4	155
70	3743	1.7	20.9	42300			A803_ 20.9 P200 BN200L4	152
75	3463	3.3	19.4	56500			A903_ 19.4 P200 BN200L4	155
75	3455	1.8	19.3	41700			A803_ 19.3 P200 BN200L4	152
87	2991	2.2	16.7	40700			A803_ 16.7 P200 BN200L4	152
87	2982	1.3	16.7	38100			A703_ 16.7 P200 BN200L4	149
94	2761	2.2	15.5	40000			A803_ 15.5 P200 BN200L4	152
95	2752	1.3	15.4	37500			A703_ 15.4 P200 BN200L4	149
110	2375	2.8	13.3	38900			A803_ 13.3 P200 BN200L4	152
112	2338	1.6	13.1	36400			A703_ 13.1 P200 BN200L4	149
119	2192	2.8	12.3	38200			A803_ 12.3 P200 BN200L4	152
121	2158	1.6	12.1	35800			A703_ 12.1 P200 BN200L4	149
125	2094	1.7	23.5	35600			A703_ 23.5 P200 BN200LA2	149
137	1903	3.4	10.7	37100			A803_ 10.7 P200 BN200L4	152
143	1827	1.8	10.2	34600			A703_ 10.2 P200 BN200L4	149
148	1757	3.4	9.8	36500			A803_ 9.8 P200 BN200L4	152
155	1687	1.8	9.4	34000			A703_ 9.4 P200 BN200L4	149
176	1486	2.3	16.7	33100			A703_ 16.7 P200 BN200LA2	149
190	1371	2.3	15.4	32500			A703_ 15.4 P200 BN200LA2	149
224	1165	2.7	13.1	31300			A703_ 13.1 P200 BN200LA2	149
243	1075	2.7	12.1	30600			A703_ 12.1 P200 BN200LA2	149
287	910	3.2	10.2	29400			A703_ 10.2 P200 BN200LA2	149
310	840	3.2	9.4	28800			A703_ 9.4 P200 BN200LA2	149

37 kW

21.5	14945	0.9	68.8	63900			A903_ 68.8 P225 BN225S4	155
24.8	12959	1.1	59.6	63900			A903_ 59.6 P225 BN225S4	155
26.9	11962	1.2	55.0	63600			A903_ 55.0 P225 BN225S4	155
31	10499	1.3	48.3	63100			A903_ 48.3 P225 BN225S4	155
33	9692	1.4	44.6	62500			A903_ 44.6 P225 BN225S4	155
38	8436	1.7	38.8	61700			A903_ 38.8 P225 BN225S4	155
38	8369	0.9	38.5	41700			A803_ 38.5 P225 BN225S4	152
41	7787	1.8	35.8	61000			A903_ 35.8 P225 BN225S4	155
42	7725	0.9	35.5	41600			A803_ 35.5 P225 BN225S4	152
47	6847	2.0	31.5	59900			A903_ 31.5 P225 BN225S4	155
48	6647	1.0	30.6	41600			A803_ 30.6 P225 BN225S4	152
51	6321	2.1	29.1	59100			A903_ 29.1 P225 BN225S4	155
52	6135	1.1	28.2	41300			A803_ 28.2 P225 BN225S4	152
60	5326	1.3	24.5	40900			A803_ 24.5 P225 BN225S4	152
61	5241	2.5	24.1	57300			A903_ 24.1 P225 BN225S4	155
65	4916	1.3	22.6	40500			A803_ 22.6 P225 BN225S4	152
67	4837	2.5	22.3	56400			A903_ 22.3 P225 BN225S4	155
70	4565	2.7	21.0	55900			A903_ 21.0 P225 BN225S4	155
71	4554	1.4	20.9	40300			A803_ 20.9 P225 BN225S4	152
76	4214	2.7	19.4	54900			A903_ 19.4 P225 BN225S4	155



37 kW

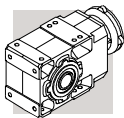
n_2 min ⁻¹	M_2 Nm	S	i	R_{n2} N				
77	4204	1.4	19.3	39800			A803_ 19.3 P225 BN225S4	152
88	3668	3.2	16.9	53400			A903_ 16.9 P225 BN225S4	155
88	3639	1.8	16.7	39100			A803_ 16.7 P225 BN225S4	152
95	3386	3.2	15.6	52500			A903_ 15.6 P225 BN225S4	155
96	3359	1.8	15.5	38500			A803_ 15.5 P225 BN225S4	152
111	2890	2.3	13.3	37600			A803_ 13.3 P225 BN225S4	152
121	2667	2.3	12.3	37000			A803_ 12.3 P225 BN225S4	152
139	2316	2.8	10.7	36100			A803_ 10.7 P225 BN225S4	152
151	2137	2.8	9.8	35500			A803_ 9.8 P225 BN225S4	152

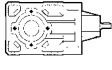

45 kW

26.9	14549	1.0	55.0	58700			A903_ 55.0 P225 BN225M4	155
31	12769	1.1	48.3	58900			A903_ 48.3 P225 BN225M4	155
33	11787	1.2	44.6	58600			A903_ 44.6 P225 BN225M4	155
38	10260	1.4	38.8	58300			A903_ 38.8 P225 BN225M4	155
41	9471	1.5	35.8	57800			A903_ 35.8 P225 BN225M4	155
47	8328	1.7	31.5	57200			A903_ 31.5 P225 BN225M4	155
51	7687	1.7	29.1	56600			A903_ 29.1 P225 BN225M4	155
60	6477	1.0	24.5	38300			A803_ 24.5 P225 BN225M4	152
61	6374	2.1	24.1	55200			A903_ 24.1 P225 BN225M4	155
65	5979	1.0	22.6	38100			A803_ 22.6 P225 BN225M4	152
67	5883	2.1	22.3	54500			A903_ 22.3 P225 BN225M4	155
70	5552	2.2	21.0	54000			A903_ 21.0 P225 BN225M4	155
71	5539	1.2	20.9	38000			A803_ 20.9 P225 BN225M4	152
76	5125	2.3	19.4	53200			A903_ 19.4 P225 BN225M4	155
77	5112	1.2	19.3	37700			A803_ 19.3 P225 BN225M4	152
88	4461	2.7	16.9	52000			A903_ 16.9 P225 BN225M4	155
88	4425	1.5	16.7	37300			A803_ 16.7 P225 BN225M4	152
95	4118	2.7	15.6	51100			A903_ 15.6 P225 BN225M4	155
96	4085	1.5	15.5	36900			A803_ 15.5 P225 BN225M4	152
108	3621	3.1	13.7	49900			A903_ 13.7 P225 BN225M4	155
111	3515	1.9	13.3	36200			A803_ 13.3 P225 BN225M4	152
117	3342	3.1	12.6	49000			A903_ 12.6 P225 BN225M4	155
121	3244	1.9	12.3	35700			A803_ 12.3 P225 BN225M4	152
139	2816	2.3	10.7	34900			A803_ 10.7 P225 BN225M4	152
141	2771	3.5	10.5	47100			A903_ 10.5 P225 BN225M4	155
151	2600	2.3	9.8	34400			A803_ 9.8 P225 BN225M4	152
153	2558	3.5	9.7	46200			A903_ 9.7 P225 BN225M4	155

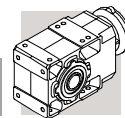
55 kW

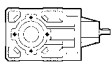

33	14406	1.0	44.6	53900			A903_ 44.6 P250 BN250M4	155
38	12540	1.1	38.8	54100			A903_ 38.8 P250 BN250M4	155
41	11575	1.2	35.8	54000			A903_ 35.8 P250 BN250M4	155
47	10179	1.4	31.5	53800			A903_ 31.5 P250 BN250M4	155
51	9396	1.4	29.1	53400			A903_ 29.1 P250 BN250M4	155
61	7790	1.7	24.1	52600			A903_ 24.1 P250 BN250M4	155
67	7191	1.7	22.3	52000			A903_ 22.3 P250 BN250M4	155
70	6786	1.8	21.0	51700			A903_ 21.0 P250 BN250M4	155
76	6264	1.8	19.4	51100			A903_ 19.4 P250 BN250M4	155
88	5452	2.2	16.9	50100			A903_ 16.9 P250 BN250M4	155
95	5033	2.2	15.6	49400			A903_ 15.6 P250 BN250M4	155
108	4425	2.5	13.7	48400			A903_ 13.7 P250 BN250M4	155
117	4085	2.6	12.6	47600			A903_ 12.6 P250 BN250M4	155
141	3387	2.9	10.5	45900			A903_ 10.5 P250 BN250M4	155
153	3126	2.9	9.7	45100			A903_ 9.7 P250 BN250M4	155

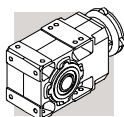
**A 10****150 Nm**
30 - DATOS TECNICOS
REDUCTORES
30 - SPEED REDUCER
RATING CHARTS
30 - GETRIEBE
AUSWAHLTABELLEN
30 - DONNEES TECHNIQUES
REDUCTEURS

	i	$n_1 = 2800 \text{ min}^{-1}$					$n_1 = 1400 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 10 2_ 5.5		512	73	4.2	—	1830	256	73	2.1	960	2460	117
A 10 2_ 6.3		442	80	3.9	—	1900	221	80	2.0	830	2560	
A 10 2_ 7.2		388	92	4.0	—	1910	194	93	2.0	630	2600	
A 10 2_ 8.5		329	92	3.4	—	2060	164	93	1.7	720	2790	
A 10 2_ 9.6		291	102	3.3	—	2090	146	128	2.1	—	2650	
A 10 2_ 10.6		265	125	3.7	540	2010	133	150	2.2	810	2590	
A 10 2_ 12.3		228	110	2.8	—	2280	114	138	1.7	—	2880	
A 10 2_ 13.9		201	135	3.0	620	2220	101	150	1.7	1080	2960	
A 10 2_ 16.4		170	140	2.7	610	2370	85	150	1.4	1140	3200	
A 10 2_ 18.6		151	147	2.5	650	2460	75	150	1.3	1180	3380	
A 10 2_ 21.4		131	150	2.2	650	2610	66	150	1.1	1200	3600	
A 10 2_ 23.8		118	150	2.0	750	2750	59	150	0.98	1220	3780	
A 10 2_ 25.5		110	150	1.8	750	2840	55	150	0.92	1220	3900	
A 10 2_ 28.6		98	150	1.6	830	3000	49	150	0.82	1250	4100	
A 10 2_ 32.2		87	150	1.5	880	3170	43	150	0.73	1270	4310	
A 10 2_ 35.1		80	150	1.3	880	3300	40	150	0.67	1270	4470	
A 10 2_ 40.9		69	150	1.1	910	3530	34	150	0.57	1300	4770	
A 10 2_ 45.4		62	150	1.0	910	3700	31	150	0.52	1300	4980	
A 10 2_ 51.3		55	150	0.91	910	3910	27.3	150	0.46	1290	5240	
A 10 2_ 58.6		48	150	0.80	920	4140	23.9	150	0.40	1300	5500	
A 10 2_ 65.9		42	150	0.71	920	4360	21.2	150	0.35	1300	5500	
A 10 2_ 76.4		37	150	0.61	930	4640	18.3	150	0.31	1300	5500	
A 10 2_ 91.6		31	130	0.44	1020	5160	15.3	130	0.22	1300	5500	

(→) Contactar con nuestro Servicio Técnico comunicando los datos relativos a la carga radial (sentido de giro, orientación, posición)
 (→) Contact our technical service department advising radial load data (rotation direction, load angle, offset)
 (→) Nehmen Sie bitte Kontakt mit unserem Applikationsdienst und Querkraftsdaten angeben (Drehrichtung, Orientierung, Anordnung)
 (→) Consulter notre service technique en donnant les détails concernant la charge radiale (sens de rotation, indexage, position)

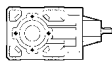

150 Nm**A 10**

	i	$n_1 = 900 \text{ min}^{-1}$					$n_1 = 500 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 10 2_ 5.5		165	73	1.3	1300	2950	91	73	0.74	1300	3720	117
A 10 2_ 6.3		142	80	1.3	1300	3070	79	80	0.70	1300	4100	
A 10 2_ 7.2		125	93	1.3	1160	3130	69	93	0.72	1300	3970	
A 10 2_ 8.5		106	95	1.1	1200	3330	59	110	0.72	1300	4100	
A 10 2_ 9.6		94	128	1.3	500	3230	52	128	0.74	1300	4160	
A 10 2_ 10.6		85	150	1.4	1300	3200	47	150	0.79	1300	4160	
A 10 2_ 12.3		73	150	1.2	180	3420	41	150	0.68	1030	4430	
A 10 2_ 13.9		65	150	1.1	1300	3630	36	150	0.60	1300	4680	
A 10 2_ 16.4		55	150	0.91	1300	3900	30	150	0.51	1300	5010	
A 10 2_ 18.6		48	150	0.81	1300	4120	26.9	150	0.45	1300	5270	
A 10 2_ 21.4		42	150	0.70	1300	4370	23.4	150	0.39	1300	5500	
A 10 2_ 23.8		38	150	0.63	1300	4570	21.0	150	0.35	1300	5500	
A 10 2_ 25.5		35	150	0.59	1300	4710	19.6	150	0.33	1300	5500	
A 10 2_ 28.6		31	150	0.53	1300	4940	17.5	150	0.29	1300	5500	
A 10 2_ 32.2		28.0	150	0.47	1300	5190	15.5	150	0.26	1300	5500	
A 10 2_ 35.1		25.6	150	0.43	1300	5380	14.2	150	0.24	1300	5500	
A 10 2_ 40.9		22.0	150	0.37	1300	5500	12.2	150	0.20	1300	5500	
A 10 2_ 45.4		19.8	150	0.33	1300	5500	11.0	150	0.18	1300	5500	
A 10 2_ 51.3		17.6	150	0.29	1300	5500	9.8	150	0.16	1300	5500	
A 10 2_ 58.6		15.4	150	0.26	1300	5500	8.5	150	0.14	1300	5500	
A 10 2_ 65.9		13.7	150	0.23	1300	5500	7.6	150	0.13	1300	5500	
A 10 2_ 76.4		11.8	150	0.20	1300	5500	6.5	150	0.11	1300	5500	
A 10 2_ 91.6		9.8	130	0.14	1300	5500	5.5	130	0.08	1300	5500	



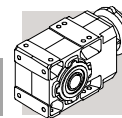
A 20

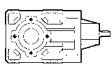

250 Nm

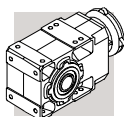
	i	$n_1 = 2800 \text{ min}^{-1}$					$n_1 = 1400 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 20 2_ 5.4		523	96	5.6	610	1910	262	121	3.5	770	2400	121
A 20 2_ 6.5		428	107	5.1	490	2010	214	135	3.2	610	2530	
A 20 2_ 7.3		384	113	4.8	510	2070	192	143	3.1	630	2600	
A 20 2_ 8.4		334	116	4.3	510	2180	167	146	2.7	650	2750	
A 20 2_ 9.4		299	122	4.1	530	2260	149	154	2.6	660	2840	
A 20 2_ 10.3		271	183	5.5	650	1970	135	225	3.4	890	2520	
A 20 2_ 12.0		234	128	3.3	550	2280	117	161	2.1	690	3120	
A 20 2_ 14.1		199	199	4.4	750	2210	99	245	2.7	960	2820	
A 20 2_ 16.2		173	209	4.0	700	2310	87	250	2.4	1040	2990	
A 20 2_ 18.1		155	216	3.7	760	2400	77	250	2.2	1210	3170	
A 20 2_ 21.2		132	226	3.3	710	2540	66	250	1.8	1290	3430	
A 20 2_ 23.1		121	232	3.1	710	2620	61	250	1.7	1360	3580	
A 20 2_ 26.5		106	241	2.8	660	2750	53	250	1.5	1410	3820	
A 20 2_ 29.2		96	249	2.7	670	2850	48	250	1.3	1510	4000	
A 20 2_ 31.3		89	250	2.5	660	2940	45	250	1.2	1510	4130	
A 20 2_ 35.4		79	250	2.2	800	3140	40	250	1.1	1650	4380	
A 20 2_ 39.6		71	250	2.0	880	3320	35	250	0.98	1710	4600	
A 20 2_ 43.2		65	250	1.8	880	3460	32	250	0.90	1710	4790	
A 20 2_ 48.3		58	250	1.6	920	3650	29.0	250	0.81	1720	5030	
A 20 2_ 53.7		52	250	1.5	920	3840	26.1	250	0.73	1720	5270	
A 20 2_ 63.1		44	245	1.2	1040	4180	22.2	245	0.61	1740	5680	
A 20 2_ 71.0		39	210	0.92	1360	4640	19.7	210	0.46	1790	6200	
A 20 2_ 79.9		35	210	0.82	1360	4880	17.5	210	0.41	1790	6200	
A 20 2_ 92.3		30	200	0.68	1380	5250	15.2	200	0.34	1810	6200	
A 20 3_ 109.2		25.6	165	0.49	1180	5900	12.8	205	0.30	1300	6200	
A 20 3_ 120.5		23.2	168	0.45	1130	6110	11.6	210	0.28	1300	6200	
A 20 3_ 129.1		21.7	175	0.44	1210	6200	10.8	215	0.27	1300	6200	
A 20 3_ 146.1		19.2	183	0.40	1160	6200	9.6	230	0.25	1300	6200	
A 20 3_ 163.4		17.1	190	0.37	1240	6200	8.6	235	0.23	1300	6200	
A 20 3_ 178.3		15.7	195	0.35	1200	6200	7.9	245	0.22	1300	6200	
A 20 3_ 199.2		14.1	200	0.32	1270	6200	7.0	250	0.20	1300	6200	
A 20 3_ 221.3		12.7	203	0.30	1240	6200	6.3	250	0.18	1300	6200	
A 20 3_ 260.5		10.8	214	0.26	1270	6200	5.4	250	0.15	1300	6200	
A 20 3_ 292.8		9.6	218	0.24	1300	6200	4.8	250	0.14	1300	6200	
A 20 3_ 329.4		8.5	221	0.22	1300	6200	4.3	250	0.12	1300	6200	
A 20 3_ 380.9		7.4	226	0.19	1300	6200	3.7	250	0.11	1300	6200	

250 Nm

A 20

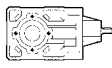



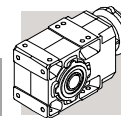
	i	$n_1 = 900 \text{ min}^{-1}$					$n_1 = 500 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 20 2_ 5.4	168	140	2.6	900	2780	93	170	1.8	1100	3390	121	
A 20 2_ 6.5	138	156	2.4	720	2930	76	190	1.6	860	3570		
A 20 2_ 7.3	123	165	2.3	740	3020	69	201	1.5	890	3670		
A 20 2_ 8.4	108	170	2.0	730	3180	60	206	1.4	910	3870		
A 20 2_ 9.4	96	179	1.9	760	3290	53	210	1.2	1090	4050		
A 20 2_ 10.3	87	250	2.4	1190	2990	48	250	1.3	2200	3980		
A 20 2_ 12.0	75	187	1.6	790	2990	42	210	0.98	1336	4510		
A 20 2_ 14.1	64	250	1.8	1610	3490	36	250	0.99	2200	4590		
A 20 2_ 16.2	56	250	1.6	1690	3730	31	250	0.86	2200	4880		
A 20 2_ 18.1	50	250	1.4	1860	3930	27.6	250	0.77	2200	5140		
A 20 2_ 21.2	42	250	1.2	1940	4230	23.6	250	0.66	2200	5500		
A 20 2_ 23.1	39	250	1.1	1970	4400	21.6	250	0.60	2200	5710		
A 20 2_ 26.5	34	250	0.95	1980	4680	18.9	250	0.53	2200	6050		
A 20 2_ 29.2	31	250	0.86	2000	4890	17.1	250	0.48	2200	6200		
A 20 2_ 31.3	28.7	250	0.80	2000	5040	16.0	250	0.44	2200	6200		
A 20 2_ 35.4	25.4	250	0.71	2020	5330	14.1	250	0.39	2200	6200		
A 20 2_ 39.6	22.7	250	0.63	2040	5590	12.6	250	0.35	2200	6200		
A 20 2_ 43.2	20.8	250	0.58	2040	5800	11.6	250	0.32	2200	6200		
A 20 2_ 48.3	18.6	250	0.52	2040	6080	10.4	250	0.29	2200	6200		
A 20 2_ 53.7	16.8	250	0.47	2050	6200	9.3	250	0.26	2200	6200		
A 20 2_ 63.1	14.3	245	0.39	2060	6200	7.9	245	0.22	2200	6200		
A 20 2_ 71.0	12.7	210	0.30	2120	6200	7.0	210	0.16	2200	6200		
A 20 2_ 79.9	11.3	210	0.26	2120	6200	6.3	210	0.15	2200	6200		
A 20 2_ 92.3	9.7	200	0.22	2140	6200	5.4	200	0.12	2200	6200		
A 20 3_ 109.2	8.2	240	0.23	1300	6200	4.6	250	0.13	1300	6200		
A 20 3_ 120.5	7.5	245	0.21	1300	6200	4.1	250	0.12	1300	6200		
A 20 3_ 129.1	7.0	250	0.20	1300	6200	3.9	250	0.11	1300	6200		
A 20 3_ 146.1	6.2	250	0.18	1300	6200	3.4	250	0.10	1300	6200		
A 20 3_ 163.4	5.5	250	0.16	1300	6200	3.1	250	0.09	1300	6200		
A 20 3_ 178.3	5.0	250	0.15	1300	6200	2.8	250	0.08	1300	6200		
A 20 3_ 199.2	4.5	250	0.13	1300	6200	2.5	250	0.07	1300	6200		
A 20 3_ 221.3	4.1	250	0.12	1300	6200	2.3	250	0.06	1300	6200		
A 20 3_ 260.5	3.5	250	0.10	1300	6200	1.9	250	0.06	1300	6200		
A 20 3_ 292.8	3.1	250	0.09	1300	6200	1.7	250	0.05	1300	6200		
A 20 3_ 329.4	2.7	250	0.08	1300	6200	1.5	250	0.04	1300	6200		
A 20 3_ 380.9	2.4	250	0.07	1300	6200	1.3	250	0.04	1300	6200		



A 30

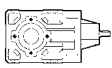

410 Nm

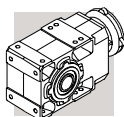
	i	$n_1 = 2800 \text{ min}^{-1}$					$n_1 = 1400 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 30 2_ 5.4		517	175	10.1	1130	2480	259	220	6.3	1430	3130	125
A 30 2_ 6.4		437	185	9.0	1120	2630	218	230	5.6	1470	3330	
A 30 2_ 7.0		399	194	8.6	1140	2690	199	245	5.4	1430	3380	
A 30 2_ 8.5		331	200	7.4	1220	2900	165	250	4.6	1570	3660	
A 30 2_ 9.3		301	214	7.2	1140	2950	150	270	4.5	1440	3710	
A 30 2_ 10.5		268	278	8.3	1800	2770	134	340	5.1	2200	3550	
A 30 2_ 11.8		238	230	6.1	1130	3200	119	290	3.8	1420	4030	
A 30 2_ 13.6		206	301	6.9	1830	3030	103	370	4.3	2200	3870	
A 30 2_ 16.3		171	318	6.1	1830	3240	86	385	3.7	2200	4170	
A 30 2_ 18.0		156	327	5.7	1840	3350	78	400	3.5	2200	4290	
A 30 2_ 20.5		136	340	5.2	1830	3510	68	410	3.1	2200	4530	
A 30 2_ 22.8		123	351	4.8	1850	3640	62	410	2.8	2200	4770	
A 30 2_ 26.5		106	367	4.3	1840	3850	53	410	2.4	2200	5150	
A 30 2_ 29.3		96	378	4.0	1847	3980	48	410	2.2	2200	5400	
A 30 2_ 33.4		84	393	3.7	1840	4170	42	410	1.9	2200	5750	
A 30 2_ 36.6		76	404	3.4	1840	4310	38	410	1.7	2200	6010	
A 30 2_ 39.3		71	410	3.3	1810	4430	36	410	1.6	2200	6200	
A 30 2_ 43.4		64	410	2.9	1850	4660	32	410	1.5	2200	6490	
A 30 2_ 48.3		58	410	2.6	1860	4920	29.0	410	1.3	2200	6810	
A 30 2_ 52.7		53	410	2.4	1860	5130	26.6	410	1.2	2200	7080	
A 30 2_ 59.4		47	400	2.1	1890	5500	23.6	400	1.0	2200	7530	
A 30 2_ 66.0		42	390	1.8	1900	5840	21.2	390	0.92	2200	7940	
A 30 2_ 76.5		37	350	1.4	1950	6480	18.3	350	0.71	2200	8690	
A 30 2_ 86.7		32	320	1.2	2000	7010	16.2	320	0.58	2200	9310	
A 30 2_ 97.5		28.7	300	0.96	2020	7480	14.4	300	0.48	2200	9600	
A 30 3_ 109.1		25.7	240	0.71	1300	8240	12.8	300	0.44	1300	9600	
A 30 3_ 120.5		23.2	243	0.65	1120	8540	11.6	300	0.40	1300	9600	
A 30 3_ 137.4		20.4	250	0.59	1300	8950	10.2	315	0.37	1300	9600	
A 30 3_ 150.7		18.6	261	0.56	1170	9210	9.3	330	0.35	1300	9600	
A 30 3_ 161.4		17.3	270	0.54	1300	9410	8.7	340	0.34	1300	9600	
A 30 3_ 178.5		15.7	274	0.49	1210	9600	7.8	345	0.31	1300	9600	
A 30 3_ 198.5		14.1	280	0.45	1300	9600	7.1	350	0.28	1300	9600	
A 30 3_ 216.6		12.9	287	0.43	1240	9600	6.5	360	0.27	1300	9600	
A 30 3_ 244.3		11.5	295	0.39	1300	9600	5.7	370	0.24	1300	9600	
A 30 3_ 271.5		10.3	301	0.36	1280	9600	5.2	380	0.23	1300	9600	
A 30 3_ 314.5		8.9	309	0.32	1300	9600	4.5	390	0.20	1300	9600	
A 30 3_ 356.3		7.9	320	0.29	1300	9600	3.9	370	0.17	1300	9600	
A 30 3_ 400.8		7.0	320	0.26	1300	9600	3.5	360	0.14	1300	9600	



410 Nm

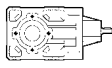

A 30

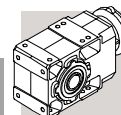
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		n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	
A 30 2_ 5.4	166	255	4.7	1660	3630	92	300	3.1	2200	4470	125	
A 30 2_ 6.4	140	270	4.2	1630	3830	78	300	2.6	2200	4830		
A 30 2_ 7.0	128	284	4.1	1650	3920	71	300	2.4	2200	5040		
A 30 2_ 8.5	106	290	3.4	1810	4240	59	300	2.0	2200	5470		
A 30 2_ 9.3	97	300	3.2	1900	4380	54	300	1.8	2200	5710		
A 30 2_ 10.5	86	391	3.7	2200	4130	48	410	2.2	2200	5400		
A 30 2_ 11.8	76	300	2.6	2200	4880	42	300	1.4	2200	6320		
A 30 2_ 13.6	66	410	3.0	2200	4600	37	410	1.7	2200	6110		
A 30 2_ 16.3	55	410	2.5	2200	5044	31	410	1.4	2200	6650		
A 30 2_ 18.0	50	410	2.3	2200	5280	27.8	410	1.3	2200	6940		
A 30 2_ 20.5	44	410	2.0	2200	5630	24.3	410	1.1	2200	7360		
A 30 2_ 22.8	40	410	1.8	2200	5910	22.0	410	1.0	2200	7700		
A 30 2_ 26.5	34	410	1.5	2200	6340	18.8	410	0.86	2200	8230		
A 30 2_ 29.3	31	410	1.4	2200	6640	17.1	410	0.78	2200	8590		
A 30 2_ 33.4	26.9	410	1.2	2200	7040	15.0	410	0.68	2200	9080		
A 30 2_ 36.6	24.6	410	1.1	2200	7340	13.6	410	0.62	2200	9440		
A 30 2_ 39.3	22.9	410	1.0	2200	7560	12.7	410	0.58	2200	9600		
A 30 2_ 43.4	20.7	410	0.95	2200	7900	11.5	410	0.53	2200	9600		
A 30 2_ 48.3	18.6	410	0.85	2200	8270	10.4	410	0.47	2200	9600		
A 30 2_ 52.7	17.1	410	0.78	2200	8590	9.5	410	0.43	2200	9600		
A 30 2_ 59.4	15.1	400	0.67	2200	9090	8.4	400	0.37	2200	9600		
A 30 2_ 66.0	13.6	390	0.59	2200	9560	7.6	390	0.33	2200	9600		
A 30 2_ 76.5	11.8	350	0.46	2200	9600	6.5	350	0.25	2200	9600		
A 30 2_ 86.7	10.4	320	0.37	2200	9600	5.8	320	0.21	2200	9600		
A 30 2_ 97.5	9.2	300	0.31	2200	9600	5.1	300	0.17	2200	9600		
A 30 3_ 109.1	8.3	350	0.33	1300	9600	4.6	370	0.20	1300	9600		
A 30 3_ 120.5	7.5	354	0.30	1300	9600	4.2	410	0.20	1300	9600		
A 30 3_ 137.4	6.5	370	0.28	1300	9600	3.6	410	0.17	1300	9600		
A 30 3_ 150.7	6.0	381	0.26	1300	9600	3.3	410	0.16	1300	9600		
A 30 3_ 161.4	5.6	390	0.25	1300	9600	3.1	410	0.15	1300	9600		
A 30 3_ 178.5	5.0	400	0.23	1300	9600	2.8	410	0.13	1300	9600		
A 30 3_ 198.5	4.5	410	0.21	1300	9600	2.5	410	0.12	1300	9600		
A 30 3_ 216.6	4.2	410	0.20	1300	9600	2.3	410	0.11	1300	9600		
A 30 3_ 244.3	3.7	410	0.17	1300	9600	2.0	410	0.10	1300	9600		
A 30 3_ 271.5	3.3	410	0.16	1300	9600	1.8	410	0.09	1300	9600		
A 30 3_ 314.5	2.9	410	0.13	1300	9600	1.6	410	0.07	1300	9600		
A 30 3_ 356.3	2.5	380	0.11	1300	9600	1.4	380	0.06	1300	9600		
A 30 3_ 400.8	2.2	360	0.09	1300	9600	1.2	360	0.05	1300	9600		



A 35

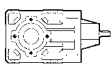

600 Nm

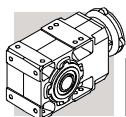
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		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 35 2_ 5.4		517	246	14.2	1420	4000	259	310	8.9	1790	5050	129
A 35 2_ 6.4		437	262	12.7	1420	4230	218	330	8.0	1790	5330	
A 35 2_ 7.0		399	278	12.3	1410	4320	199	350	7.8	1790	5440	
A 35 2_ 8.5		331	286	10.5	1450	4650	165	360	6.6	1830	5850	
A 35 2_ 9.3		301	302	10.1	1450	4760	150	380	6.4	1830	6000	
A 35 2_ 10.6		263	310	9.1	1440	5010	132	390	5.7	1830	6310	
A 35 2_ 11.8		238	317	8.4	1480	5200	119	400	5.3	1860	6550	
A 35 2_ 13.1		214	400	10.9	1630	4470	107	550	6.6	2100	5780	
A 35 2_ 15.5		181	430	10.0	1620	4670	90	570	5.7	2120	6190	
A 35 2_ 17.0		165	465	9.7	1620	4730	83	600	5.5	2130	6310	
A 35 2_ 20.4		137	500	8.4	1630	5080	69	600	4.6	2170	6930	
A 35 2_ 22.5		125	540	7.8	1660	5290	62	600	4.2	2200	7260	
A 35 2_ 25.7		109	585	7.1	1640	5540	55	600	3.6	2200	7740	
A 35 2_ 28.4		98	600	6.6	1660	5760	49	600	3.3	2200	8130	
A 35 2_ 33.2		84	600	5.6	910	6240	42	600	2.8	2200	8730	
A 35 2_ 36.6		76	600	5.1	1080	6560	38	600	2.6	2200	9140	
A 35 2_ 41.8		67	600	4.5	1140	7010	34	600	2.2	2200	9700	
A 35 2_ 45.8		61	600	4.1	1260	7330	31	600	2.0	2200	10100	
A 35 2_ 49.1		57	600	3.8	1260	7580	28.5	600	1.9	2200	10400	
A 35 2_ 54.3		52	600	3.4	1360	7950	25.8	600	1.7	2200	10900	
A 35 2_ 60.4		46	600	3.1	1470	8360	23.2	600	1.6	2200	11400	
A 35 2_ 65.8		43	600	2.8	1470	8700	21.3	600	1.4	2200	11800	
A 35 2_ 74.3		38	600	2.5	1560	9200	18.8	600	1.3	2200	12000	
A 35 2_ 82.5		34	600	2.3	1560	9650	17.0	600	1.1	2200	12000	
A 35 2_ 95.6		29.3	540	1.8	1860	10640	14.6	540	0.88	2200	12000	
A 35 3_ 105.5		26.5	430	1.3	550	12000	13.3	525	0.80	780	12000	
A 35 3_ 116.9		24.0	455	1.3	650	12000	12.0	560	0.77	870	12000	
A 35 3_ 136.3		20.5	470	1.1	870	12000	10.3	575	0.68	1110	12000	
A 35 3_ 150.6		18.6	495	1.1	900	12000	9.3	600	0.64	1160	12000	
A 35 3_ 171.8		16.3	505	0.95	960	12000	8.1	600	0.56	1250	12000	
A 35 3_ 188.3		14.9	525	0.90	990	12000	7.4	600	0.51	1300	12000	
A 35 3_ 201.8		13.9	525	0.84	1020	12000	6.9	600	0.48	1300	12000	
A 35 3_ 223.2		12.5	545	0.79	1050	12000	6.3	600	0.43	1300	12000	
A 35 3_ 248.1		11.3	565	0.73	1080	12000	5.6	600	0.39	1300	12000	
A 35 3_ 270.7		10.3	570	0.68	1110	12000	5.2	600	0.36	1300	12000	
A 35 3_ 305.4		9.2	585	0.62	1140	12000	4.6	600	0.32	1300	12000	
A 35 3_ 339.3		8.3	520	0.49	1210	12000	4.1	520	0.25	1300	12000	
A 35 3_ 393.2		7.1	465	0.38	1260	12000	3.6	465	0.19	1300	12000	

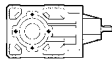



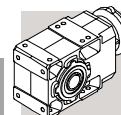
600 Nm

A 35

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	
A 35 2_ 5.4	166	340	6.3	2150	5940	92	340	3.5	2200	7600	129	
A 35 2_ 6.4	140	350	5.5	2190	6340	78	350	3.0	2200	8090		
A 35 2_ 7.0	128	370	5.3	2200	6490	71	370	2.9	2200	8290		
A 35 2_ 8.5	106	380	4.5	2200	6970	59	380	2.5	2200	8890		
A 35 2_ 9.3	97	400	4.3	2200	7160	54	400	2.4	2200	9140		
A 35 2_ 10.6	85	400	3.8	2200	7570	47	400	2.1	2200	9650		
A 35 2_ 11.8	76	400	3.4	2200	7910	42	400	1.9	2200	10100		
A 35 2_ 13.1	69	600	4.6	2200	6910	38	600	2.6	2200	9140		
A 35 2_ 15.5	58	600	3.9	2090	7510	32	600	2.2	2200	9860		
A 35 2_ 17.0	53	600	3.5	2200	7840	29.5	600	2.0	2200	10300		
A 35 2_ 20.4	44	600	2.9	2200	8560	24.5	600	1.6	2200	11100		
A 35 2_ 22.5	40	600	2.7	2200	8950	22.2	600	1.5	2200	11600		
A 35 2_ 25.7	35	600	2.3	2200	9500	19.5	600	1.3	2200	12000		
A 35 2_ 28.4	32	600	2.1	2200	9950	17.6	600	1.2	2200	12000		
A 35 2_ 33.2	27.1	600	1.8	2200	10700	15.1	600	1.0	2200	12000		
A 35 2_ 36.6	24.6	600	1.6	2200	11100	13.7	600	0.91	2200	12000		
A 35 2_ 41.8	21.5	600	1.4	2200	11800	12.0	600	0.80	2200	12000		
A 35 2_ 45.8	19.6	600	1.3	2200	12000	10.9	600	0.73	2200	12000		
A 35 2_ 49.1	18.3	600	1.2	2200	12000	10.2	600	0.68	2200	12000		
A 35 2_ 54.3	16.6	600	1.1	2200	12000	9.2	600	0.62	2200	12000		
A 35 2_ 60.4	14.9	600	1.0	2200	12000	8.3	600	0.55	2200	12000		
A 35 2_ 65.8	13.7	600	0.91	2200	12000	7.6	600	0.51	2200	12000		
A 35 2_ 74.3	12.1	600	0.81	2200	12000	6.7	600	0.45	2200	12000		
A 35 2_ 82.5	10.9	600	0.73	2200	12000	6.1	600	0.40	2200	12000		
A 35 2_ 95.6	9.4	540	0.57	2200	12000	5.2	540	0.31	2200	12000		
A 35 3_ 105.5	8.5	600	0.59	940	12000	4.7	600	0.33	1300	12000		
A 35 3_ 116.9	7.7	600	0.53	1230	12000	4.3	600	0.30	1300	12000		
A 35 3_ 136.3	6.6	600	0.46	1300	12000	3.7	600	0.25	1300	12000		
A 35 3_ 150.6	6.0	600	0.41	1300	12000	3.3	600	0.23	1300	12000		
A 35 3_ 171.8	5.2	600	0.36	1300	12000	2.9	600	0.20	1300	12000		
A 35 3_ 188.3	4.8	600	0.33	1300	12000	2.7	600	0.18	1300	12000		
A 35 3_ 201.8	4.5	600	0.31	1300	12000	2.5	600	0.17	1300	12000		
A 35 3_ 223.2	4.0	600	0.28	1300	12000	2.2	600	0.15	1300	12000		
A 35 3_ 248.1	3.6	600	0.25	1300	12000	2.0	600	0.14	1300	12000		
A 35 3_ 270.7	3.3	600	0.23	1300	12000	1.8	600	0.13	1300	12000		
A 35 3_ 305.4	2.9	600	0.20	1300	12000	1.6	600	0.11	1300	12000		
A 35 3_ 339.3	2.7	520	0.16	1300	12000	1.5	520	0.09	1300	12000		
A 35 3_ 393.2	2.3	465	0.12	1300	12000	1.3	465	0.07	1300	12000		

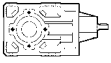

**A 41****850 Nm**

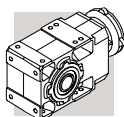
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		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 41 2_ 5.2		534	450	26.8	1790	4350	267	550	16.4	2450	5560	133
A 41 2_ 7.1		393	490	21.5	1890	4850	197	550	12.0	2670	6430	
A 41 2_ 8.3		336	510	19.1	1900	5140	168	550	10.3	2750	6920	
A 41 2_ 9.2		304	530	18.0	1980	5300	152	550	9.3	2860	7240	
A 41 2_ 10.1		276	435	13.4	2680	6030	138	535	8.2	3390	7650	
A 41 2_ 11.7		238	550	14.6	2050	5870	119	550	7.3	2950	8070	
A 41 2_ 13.8		204	480	10.9	2690	6680	102	585	6.6	3430	8510	
A 41 2_ 16.1		174	500	9.7	2700	7070	87	610	5.9	3430	9000	
A 41 2_ 17.8		158	515	9.0	2730	7310	79	630	5.5	3470	9300	
A 41 2_ 22.7		123	550	7.6	2730	7970	62	680	4.7	3460	10100	
A 41 2_ 28.3		99	595	6.6	2670	8570	49	730	4.0	3450	10900	
A 41 2_ 35.9		78	635	5.5	2590	9320	39	780	3.4	3410	11800	
A 41 2_ 45.1		62	680	4.7	2500	10100	31	830	2.9	3330	12800	
A 41 2_ 48.3		58	690	4.5	2430	10300	29.0	850	2.7	3200	13100	
A 41 2_ 53.1		53	700	4.1	2470	10700	26.3	850	2.5	3330	13700	
A 41 2_ 58.8		48	730	3.9	2390	11100	23.8	850	2.3	3460	14300	
A 41 2_ 64.2		44	740	3.6	2320	11500	21.8	850	2.1	3460	14800	
A 41 2_ 71.3		39	780	3.4	2120	11800	19.6	850	1.9	3470	15000	
A 41 2_ 79.2		35	800	3.1	1990	12300	17.7	800	1.6	3500	15000	
A 41 3_ 92.8		30	650	2.3	270	14000	15.1	800	1.4	430	15000	
A 41 3_ 115.9		24.2	800	2.2	310	14600	12.1	850	1.2	980	15000	
A 41 3_ 146.9		19.1	850	1.9	790	15000	9.5	850	0.93	1640	15000	
A 41 3_ 184.4		15.2	850	1.5	1290	15000	7.6	850	0.74	1770	15000	
A 41 3_ 197.5		14.2	850	1.4	1360	15000	7.1	850	0.69	1790	15000	
A 41 3_ 217.4		12.9	850	1.3	1390	15000	6.4	850	0.63	1820	15000	
A 41 3_ 240.6		11.6	850	1.1	1410	15000	5.8	850	0.57	1840	15000	
A 41 3_ 262.5		10.7	850	1.0	1430	15000	5.3	850	0.52	1860	15000	
A 41 3_ 291.7		9.6	850	0.94	1450	15000	4.8	850	0.47	1880	15000	
A 41 3_ 324.2		8.6	850	0.84	1470	15000	4.3	850	0.42	1900	15000	
A 41 3_ 376.8		7.4	850	0.73	1500	15000	3.7	850	0.36	1930	15000	



850 Nm

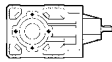

A 41

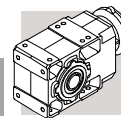
	i	$n_1 = 900 \text{ min}^{-1}$					$n_1 = 500 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 41 2_ 5.2	172	550	10.5	3140	6850	95	550	5.8	3500	8900	133	
A 41 2_ 7.1	126	550	7.7	3360	7870	70	550	4.3	3500	10100		
A 41 2_ 8.3	108	550	6.6	3440	8430	60	550	3.7	3500	10800		
A 41 2_ 9.2	98	550	6.0	3500	8800	54	550	3.3	3500	11300		
A 41 2_ 10.1	89	610	6.0	3500	8920	49	730	4.0	3500	10900		
A 41 2_ 11.7	77	550	4.7	3500	9760	43	550	2.6	3500	12400		
A 41 2_ 13.8	65	670	4.9	3500	9900	36	800	3.2	3500	12100		
A 41 2_ 16.1	56	700	4.4	3500	10500	31	830	2.9	3500	12800		
A 41 2_ 17.8	51	720	4.1	3500	10800	28.1	850	2.7	3500	13300		
A 41 2_ 22.7	40	780	3.4	3500	11700	22.0	850	2.1	3500	14800		
A 41 2_ 28.3	32	830	2.9	3500	12700	17.7	850	1.7	3500	15000		
A 41 2_ 35.9	25.1	850	2.4	3500	14000	13.9	850	1.3	3500	15000		
A 41 2_ 45.1	20.0	850	1.9	3500	15000	11.1	850	1.1	3500	15000		
A 41 2_ 48.3	18.6	850	1.8	3500	15000	10.4	850	0.98	3500	15000		
A 41 2_ 53.1	16.9	850	1.6	3500	15000	9.4	850	0.89	3500	15000		
A 41 2_ 58.8	15.3	850	1.4	3500	15000	8.5	850	0.81	3500	15000		
A 41 2_ 64.2	14.0	850	1.3	3300	15000	7.8	850	0.74	3500	15000		
A 41 2_ 71.3	12.6	850	1.2	3500	15000	7.0	850	0.66	3500	15000		
A 41 2_ 79.2	11.4	800	1.0	3500	15000	6.3	800	0.56	3500	15000		
A 41 3_ 92.8	9.7	800	0.89	1080	15000	5.4	800	0.50	2110	15000		
A 41 3_ 115.9	7.8	850	0.76	1630	15000	4.3	850	0.42	2200	15000		
A 41 3_ 146.9	6.1	850	0.60	2020	15000	3.4	850	0.33	2200	15000		
A 41 3_ 184.4	4.9	850	0.48	2100	15000	2.7	850	0.27	2200	15000		
A 41 3_ 197.5	4.6	850	0.45	2120	15000	2.5	850	0.25	2200	15000		
A 41 3_ 217.4	4.1	850	0.40	2150	15000	2.3	850	0.22	2200	15000		
A 41 3_ 240.6	3.7	850	0.37	2170	15000	2.1	850	0.20	2200	15000		
A 41 3_ 262.5	3.4	850	0.34	2190	15000	1.9	850	0.19	2200	15000		
A 41 3_ 291.7	3.1	850	0.30	2200	15000	1.7	850	0.17	2200	15000		
A 41 3_ 324.2	2.8	850	0.27	2200	15000	1.5	850	0.15	2200	15000		
A 41 3_ 376.8	2.4	850	0.23	2200	15000	1.3	850	0.13	2200	15000		



A 50

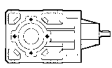

1500 Nm

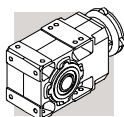
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		n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	
A 50 2_ 7.7		362	550	22.2	2300	7920	181	700	14.1	2890	9960	137
A 50 2_ 9.7		288	600	19.2	2330	8530	144	750	12.0	2950	10800	
A 50 2_ 13.1		214	600	14.3	2460	9600	107	750	8.9	3110	12100	
A 50 2_ 16.6		169	640	12.0	2490	10400	84	800	7.5	3150	13100	
A 50 2_ 20.9		134	640	9.5	2540	11400	67	800	6.0	3210	14400	
A 50 3_ 24.0		116	1150	15.4	1850	7020	58	1500	10.0	2100	8540	
A 50 3_ 26.4		106	1200	14.6	2100	7170	53	1500	9.1	2690	9100	
A 50 3_ 32.4		86	1290	12.8	1800	4630	43	1500	7.5	2760	10400	
A 50 3_ 35.6		79	1340	12.1	2080	7830	39	1500	6.8	3290	11000	
A 50 3_ 40.9		68	1415	11.1	1740	8130	34	1500	5.9	3220	11900	
A 50 3_ 45.0		62	1470	10.5	2030	8340	31	1500	5.4	3440	12600	
A 50 3_ 51.7		54	1500	9.4	1680	8970	27.1	1500	4.7	3400	13600	
A 50 3_ 56.8		49	1500	8.5	2150	9540	24.6	1500	4.3	3480	14400	
A 50 3_ 63.9		44	1500	7.6	1900	10300	21.9	1500	3.8	3450	15300	
A 50 3_ 70.2		40	1500	6.9	2350	10900	19.9	1500	3.4	3500	16100	
A 50 3_ 81.5		34	1500	5.9	2170	11900	17.2	1500	3.0	3500	17300	
A 50 3_ 89.5		31	1500	5.4	2590	12600	15.6	1500	2.7	3500	18200	
A 50 3_ 99.5		28.1	1500	4.9	2260	13400	14.1	1500	2.4	3500	19200	
A 50 3_ 109.4		25.6	1500	4.4	2680	14100	12.8	1500	2.2	3500	20000	
A 50 3_ 118.0		23.7	1500	4.1	2390	14700	11.9	1500	2.0	3500	20000	
A 50 3_ 129.7		21.6	1500	3.7	2720	15400	10.8	1500	1.9	3500	20000	
A 50 3_ 140.6		19.9	1500	3.4	2440	16100	10.0	1500	1.7	3500	20000	
A 50 3_ 154.6		18.1	1500	3.1	2730	16900	9.1	1500	1.6	3500	20000	
A 50 3_ 173.4		16.2	1500	2.8	2480	17900	8.1	1500	1.4	3500	20000	
A 50 3_ 190.6		14.7	1500	2.5	2740	18800	7.3	1500	1.3	3500	20000	
A 50 4_ 211.0		13.3	1500	2.3	1930	20000	6.6	1500	1.2	2200	20000	
A 50 4_ 232.0		12.1	1500	2.1	1970	20000	6.0	1500	1.1	2200	20000	
A 50 4_ 260.9		10.7	1500	1.9	2010	20000	5.4	1500	0.95	2200	20000	
A 50 4_ 286.8		9.8	1500	1.7	2040	20000	4.9	1500	0.86	2200	20000	
A 50 4_ 332.6		8.4	1500	1.5	2080	20000	4.2	1500	0.74	2200	20000	
A 50 4_ 365.6		7.7	1500	1.4	2100	20000	3.8	1500	0.68	2200	20000	
A 50 4_ 406.4		6.9	1500	1.2	2130	20000	3.4	1500	0.61	2200	20000	
A 50 4_ 446.8		6.3	1500	1.1	2140	20000	3.1	1500	0.55	2200	20000	
A 50 4_ 481.6		5.8	1500	1.0	2160	20000	2.9	1500	0.51	2200	20000	
A 50 4_ 529.5		5.3	1500	0.93	2170	20000	2.6	1500	0.47	2200	20000	
A 50 4_ 574.2		4.9	1500	0.86	2190	20000	2.4	1500	0.43	2200	20000	
A 50 4_ 631.2		4.4	1500	0.78	2200	20000	2.2	1500	0.39	2200	20000	
A 50 4_ 707.9		4.0	1500	0.70	2200	20000	2.0	1500	0.35	2200	20000	
A 50 4_ 778.2		3.6	1500	0.63	2200	20000	1.8	1500	0.32	2200	20000	



1500 Nm

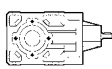

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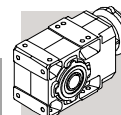
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		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 50 2_ 7.7	116	770	10.0	3430	11700	65	900	6.5	3500	14300	137	
A 50 2_ 9.7	92	830	8.5	3490	12600	51	1000	5.7	3500	15300		
A 50 2_ 13.1	69	830	6.3	3500	14200	38	1000	4.2	3500	17300		
A 50 2_ 16.6	54	880	5.3	3500	15400	30	1000	3.4	3500	18900		
A 50 2_ 20.9	43	880	4.2	3500	16800	23.9	1000	2.7	3500	20000		
A 50 3_ 24.0	37	1500	6.5	3480	11300	20.8	1500	3.6	3500	15700		
A 50 3_ 26.4	34	1500	5.9	3500	12000	18.9	1500	3.3	3500	16500		
A 50 3_ 32.4	27.8	1500	4.8	3500	13400	15.4	1500	2.7	3500	18300		
A 50 3_ 35.6	25.3	1500	4.4	3500	14200	14.0	1500	2.4	3500	19200		
A 50 3_ 40.9	22.0	1500	3.8	3500	15300	12.2	1500	2.1	3500	20000		
A 50 3_ 45.0	20.0	1500	3.5	3500	16000	11.1	1500	1.9	3500	20000		
A 50 3_ 51.7	17.4	1500	3.0	3450	17200	9.7	1500	1.7	3500	20000		
A 50 3_ 56.8	15.8	1500	2.7	3500	18100	8.8	1500	1.5	3500	20000		
A 50 3_ 63.9	14.1	1500	2.4	3500	19200	7.8	1500	1.4	3500	20000		
A 50 3_ 70.2	12.8	1500	2.2	3500	20000	7.1	1500	1.2	3500	20000		
A 50 3_ 81.5	11.0	1500	1.9	3500	20000	6.1	1500	1.1	3500	20000		
A 50 3_ 89.5	10.1	1500	1.7	3500	20000	5.6	1500	0.96	3500	20000		
A 50 3_ 99.5	9.0	1500	1.6	3500	20000	5.0	1500	0.87	3500	20000		
A 50 3_ 109.4	8.2	1500	1.4	3500	20000	4.6	1500	0.79	3500	20000		
A 50 3_ 118.0	7.6	1500	1.3	3500	20000	4.2	1500	0.73	3500	20000		
A 50 3_ 129.7	6.9	1500	1.2	3500	20000	3.9	1500	0.67	3500	20000		
A 50 3_ 140.6	6.4	1500	1.1	3500	20000	3.6	1500	0.61	3500	20000		
A 50 3_ 154.6	5.8	1500	1.0	3500	20000	3.2	1500	0.56	3500	20000		
A 50 3_ 173.4	5.2	1500	0.90	3500	20000	2.9	1500	0.50	3500	20000		
A 50 3_ 190.6	4.7	1500	0.82	3500	20000	2.6	1500	0.45	3500	20000		
A 50 4_ 211.0	4.3	1500	0.75	2200	20000	2.4	1500	0.42	2200	20000		
A 50 4_ 232.0	3.9	1500	0.68	2200	20000	2.2	1500	0.38	2200	20000		
A 50 4_ 260.9	3.4	1500	0.61	2200	20000	1.9	1500	0.34	2200	20000		
A 50 4_ 286.8	3.1	1500	0.55	2200	20000	1.7	1500	0.31	2200	20000		
A 50 4_ 332.6	2.7	1500	0.48	2200	20000	1.5	1500	0.27	2200	20000		
A 50 4_ 365.6	2.5	1500	0.43	2200	20000	1.4	1500	0.24	2200	20000		
A 50 4_ 406.4	2.2	1500	0.39	2200	20000	1.2	1500	0.22	2200	20000		
A 50 4_ 446.8	2.0	1500	0.36	2200	20000	1.1	1500	0.20	2200	20000		
A 50 4_ 481.6	1.9	1500	0.33	2200	20000	1.0	1500	0.18	2200	20000		
A 50 4_ 529.5	1.7	1500	0.30	2200	20000	0.94	1500	0.17	2200	20000		
A 50 4_ 574.2	1.6	1500	0.28	2200	20000	0.87	1500	0.15	2200	20000		
A 50 4_ 631.2	1.4	1500	0.25	2200	20000	0.79	1500	0.14	2200	20000		
A 50 4_ 707.9	1.3	1500	0.22	2200	20000	0.71	1500	0.12	2200	20000		
A 50 4_ 778.2	1.2	1500	0.20	2200	20000	0.64	1500	0.11	2200	20000		



A 55

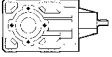

2000 Nm

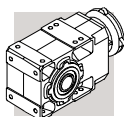
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A 55 2_ 4.9		571	760	47.9	1320	15100	286	900	28.4	2150	18700	141
A 55 2_ 6.4		438	800	38.9	1950	16400	219	950	23.1	2860	20300	
A 55 2_ 8.5		329	800	29.5	2810	18000	165	950	17.5	3500	22200	
A 55 2_ 10.4		269	840	25.3	2900	19100	135	1000	15.1	3500	23600	
A 55 2_ 13.1		214	840	20.0	3230	20600	107	1000	11.9	3500	25500	
A 55 2_ 15.7		178	840	16.7	3440	21900	89	1000	9.9	3500	27000	
A 55 2_ 19.2		146	925	15.0	3160	23200	73	1100	8.9	3500	28600	
A 55 3_ 23.8		118	1600	21.7	2050	21000	59	1950	13.2	2640	26000	
A 55 3_ 29.9		94	1700	18.3	2110	22500	47	2000	10.8	2770	28200	
A 55 3_ 40.3		69	1850	14.8	2150	24800	35	2000	8.0	2930	30000	
A 55 3_ 51.0		55	2000	12.6	2170	26500	27.5	2000	6.3	3050	30000	
A 55 3_ 64.3		44	2000	10	2230	29000	21.8	2000	5.0	3110	30000	
A 55 3_ 79.5		35	2000	8.1	1040	30000	17.6	2000	4.1	2820	30000	
A 55 3_ 101.4		27.6	2000	6.4	1340	30000	13.8	2000	3.2	3130	30000	
A 55 3_ 123.9		22.6	2000	5.2	1450	30000	11.3	2000	2.6	3230	30000	
A 55 3_ 132.7		21.1	2000	4.9	1450	30000	10.6	2000	2.4	3240	30000	
A 55 3_ 146.8		19.1	2000	4.4	1610	30000	9.5	2000	2.2	3290	30000	
A 55 3_ 160.4		17.5	2000	4.0	1660	30000	8.7	2000	2.0	3300	30000	
A 55 3_ 175.0		16	2000	3.7	1660	30000	8	2000	1.8	3300	30000	
A 55 3_ 194.2		14.4	2000	3.3	1710	30000	7.2	2000	1.7	3310	30000	
A 55 4_ 208.1		13.5	1600	2.5	1890	30000	6.7	1950	1.5	2200	30000	
A 55 4_ 262.6		10.7	1650	2.1	1980	30000	5.3	2000	1.3	2200	30000	
A 55 4_ 324.7		8.6	1750	1.8	2030	30000	4.3	2000	1.0	2200	30000	
A 55 4_ 414.0		6.8	1850	1.5	2080	30000	3.4	2000	0.80	2200	30000	
A 55 4_ 505.9		5.5	1900	1.2	2120	30000	2.8	2000	0.65	2200	30000	
A 55 4_ 542.0		5.2	1900	1.2	2140	30000	2.6	2000	0.61	2200	30000	
A 55 4_ 599.5		4.7	1950	1.1	2150	30000	2.3	2000	0.55	2200	30000	
A 55 4_ 655.1		4.3	1950	1.0	2180	30000	2.1	2000	0.50	2200	30000	
A 55 4_ 714.7		3.9	1950	0.90	2200	30000	2	2000	0.46	2200	30000	
A 55 4_ 793.0		3.5	2000	0.83	2200	30000	1.8	2000	0.42	2200	30000	



2000 Nm

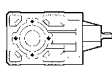

A 55

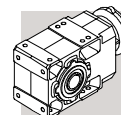
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A 55 2_ 4.9	184	1000	20.3	2850	21400	102	1160	13.1	3500	25600	141	
A 55 2_ 6.4	141	1060	16.6	3500	23200	78	1230	10.7	3500	27700		
A 55 2_ 8.5	106	1060	12.6	3500	25400	59	1230	8.1	3500	30000		
A 55 2_ 10.4	87	1120	10.8	3500	27000	48	1290	6.9	3500	30000		
A 55 2_ 13.1	69	1120	8.6	3500	29100	38	1290	5.5	3500	30000		
A 55 2_ 15.7	57	1120	7.2	3500	30000	32	1290	4.6	3500	30000		
A 55 2_ 19.2	47	1230	6.4	3500	30000	26	1420	4.1	3500	30000		
A 55 3_ 23.8	38	2000	8.7	3280	30000	21	2000	4.8	3500	30000		
A 55 3_ 29.9	30	2000	6.9	3450	30000	16.7	2000	3.8	3500	30000		
A 55 3_ 40.3	22.3	2000	5.1	3500	30000	12.4	2000	2.9	3500	30000		
A 55 3_ 51.0	17.6	2000	4.1	3500	30000	9.8	2000	2.3	3500	30000		
A 55 3_ 64.3	14	2000	3.2	3500	30000	7.8	2000	1.8	3500	30000		
A 55 3_ 79.5	11.3	2000	2.6	3500	30000	6.3	2000	1.4	3500	30000		
A 55 3_ 101.4	8.9	2000	2	3500	30000	4.9	2000	1.1	3500	30000		
A 55 3_ 123.9	7.3	2000	1.7	3500	30000	4.0	2000	0.93	3500	30000		
A 55 3_ 132.7	6.8	2000	1.6	3500	30000	3.8	2000	0.87	3500	30000		
A 55 3_ 146.8	6.1	2000	1.4	3500	30000	3.4	2000	0.78	3500	30000		
A 55 3_ 160.4	5.6	2000	1.3	3500	30000	3.1	2000	0.72	3500	30000		
A 55 3_ 175.0	5.1	2000	1.2	3500	30000	2.9	2000	0.66	3500	30000		
A 55 3_ 194.2	4.6	2000	1.1	3500	30000	2.6	2000	0.59	3500	30000		
A 55 4_ 208.1	4.3	2000	1.0	2200	30000	2.4	2000	0.57	2200	30000		
A 55 4_ 262.6	3.4	2000	0.81	2200	30000	1.9	2000	0.45	2200	30000		
A 55 4_ 324.7	2.8	2000	0.65	2200	30000	1.5	2000	0.36	2200	30000		
A 55 4_ 414.0	2.2	2000	0.51	2200	30000	1.2	2000	0.28	2200	30000		
A 55 4_ 505.9	1.8	2000	0.42	2200	30000	1	2000	0.23	2200	30000		
A 55 4_ 542.0	1.7	2000	0.39	2200	30000	0.92	2000	0.22	2200	30000		
A 55 4_ 599.5	1.5	2000	0.35	2200	30000	0.83	2000	0.20	2200	30000		
A 55 4_ 655.1	1.4	2000	0.32	2200	30000	0.76	2000	0.18	2200	30000		
A 55 4_ 714.7	1.3	2000	0.30	2200	30000	0.7	2000	0.16	2200	30000		
A 55 4_ 793.0	1.1	2000	0.27	2200	30000	0.63	2000	0.15	2200	30000		



A 60

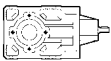

2800 Nm

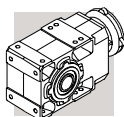
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A 60 2_ 7.9		356	950	38	2770	22500	178	1200	23.8	3400	27700	145
A 60 2_ 10.3		271	950	28.7	2970	24600	136	1200	18.1	3740	30000	
A 60 2_ 12.7		220	1000	24.6	3020	26200	110	1250	15.3	3810	30000	
A 60 2_ 16.7		167	1050	19.6	3080	28600	84	1300	12.1	3910	30000	
A 60 2_ 20.6		136	1100	16.7	3100	30000	68	1400	10.6	3890	30000	
A 60 3_ 25.7		109	2760	35	2380	26900	54	2800	17.5	3800	30000	
A 60 3_ 27.9		101	2800	32	2780	27700	50	2800	16.2	3930	30000	
A 60 3_ 31.7		88	2800	28.5	2790	29000	44	2800	14.2	3940	30000	
A 60 3_ 34.3		82	2800	26.3	2920	30000	41	2800	13.2	4060	30000	
A 60 3_ 41.7		67	2800	21.6	2940	30000	34	2800	10.8	4090	30000	
A 60 3_ 45.2		62	2800	20.0	3060	30000	31	2800	10.0	4200	30000	
A 60 3_ 51.3		55	2800	17.6	3030	30000	27.3	2800	8.8	4180	30000	
A 60 3_ 55.6		50	2800	16.2	3140	30000	25.2	2800	8.1	4280	30000	
A 60 3_ 65.0		43	2800	13.9	3110	30000	21.5	2800	6.9	4260	30000	
A 60 3_ 70.4		40	2800	12.8	3210	30000	19.9	2800	6.4	4360	30000	
A 60 3_ 79.7		35	2800	11.3	3160	30000	17.6	2800	5.7	4310	30000	
A 60 3_ 86.4		32	2800	10.4	3260	30000	16.2	2800	5.2	4410	30000	
A 60 3_ 99.5		28.1	2800	9.1	3210	30000	14.1	2800	4.5	4360	30000	
A 60 3_ 107.8		26.0	2800	8.4	3300	30000	13.0	2800	4.2	4450	30000	
A 60 3_ 123.0		22.8	2800	7.3	3250	30000	11.4	2800	3.7	4400	30000	
A 60 3_ 133.3		21.0	2800	6.8	3340	30000	10.5	2800	3.4	4490	30000	
A 60 3_ 144.0		19.4	2800	6.3	3280	30000	9.7	2800	3.1	4420	30000	
A 60 3_ 156.0		17.9	2800	5.8	3360	30000	9.0	2800	2.9	4510	30000	
A 60 3_ 171.5		16.3	2800	5.3	3290	30000	8.2	2800	2.6	4430	30000	
A 60 3_ 185.8		15.1	2800	4.9	3370	30000	7.5	2800	2.4	4520	30000	
A 60 4_ 208.7		13.4	2800	4.4	2720	30000	6.7	2800	2.2	3500	30000	
A 60 4_ 226.1		12.4	2800	4.1	2770	30000	6.2	2800	2.0	3500	30000	
A 60 4_ 264.3		10.6	2800	3.5	2860	30000	5.3	2800	1.7	3500	30000	
A 60 4_ 286.3		9.8	2800	3.2	2900	30000	4.9	2800	1.6	3500	30000	
A 60 4_ 324.2		8.6	2800	2.8	2960	30000	4.3	2800	1.4	3500	30000	
A 60 4_ 351.2		8.0	2800	2.6	2990	30000	4.0	2800	1.3	3500	30000	
A 60 4_ 404.7		6.9	2800	2.3	3050	30000	3.5	2800	1.1	3500	30000	
A 60 4_ 438.4		6.4	2800	2.1	3070	30000	3.2	2800	1.1	3500	30000	
A 60 4_ 500.3		5.6	2800	1.8	3110	30000	2.8	2800	0.92	3500	30000	
A 60 4_ 542.0		5.2	2800	1.7	3140	30000	2.6	2800	0.85	3500	30000	
A 60 4_ 585.8		4.8	2800	1.6	3150	30000	2.4	2800	0.79	3500	30000	
A 60 4_ 634.6		4.4	2800	1.5	3170	30000	2.2	2800	0.73	3500	30000	
A 60 4_ 697.3		4.0	2800	1.3	3190	30000	2.0	2800	0.66	3500	30000	
A 60 4_ 755.4		3.7	2800	1.2	3210	30000	1.9	2800	0.61	3500	30000	



2800 Nm

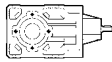

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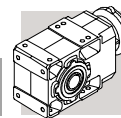
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A 60 2_ 7.9	114	1300	16.6	4190	30000	64	1550	11.0	4700	30000	145	
A 60 2_ 10.3	87	1300	12.6	4470	30000	48	1550	8.4	4700	30000		
A 60 2_ 12.7	71	1400	11.0	4490	30000	39	1700	7.5	4700	30000		
A 60 2_ 16.7	54	1450	8.7	4610	30000	29.9	1700	5.7	4700	30000		
A 60 2_ 20.6	44	1550	7.5	4600	30000	24.3	1800	4.9	4700	30000		
A 60 3_ 25.7	35	2800	11.3	4680	30000	19.4	2800	6.3	4700	30000		
A 60 3_ 27.9	32	2800	10.4	4700	30000	18.0	2800	5.8	4700	30000		
A 60 3_ 31.7	28.4	2800	9.2	4700	30000	15.8	2800	5.1	4700	30000		
A 60 3_ 34.3	26.2	2800	8.5	4700	30000	14.6	2800	4.7	4700	30000		
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A 60 3_ 65.0	13.8	2800	4.5	4700	30000	7.7	2800	2.5	4700	30000		
A 60 3_ 70.4	12.8	2800	4.1	4700	30000	7.1	2800	2.3	4700	30000		
A 60 3_ 79.7	11.3	2800	3.6	4700	30000	6.3	2800	2.0	4700	30000		
A 60 3_ 86.4	10.4	2800	3.4	4700	30000	5.8	2800	1.9	4700	30000		
A 60 3_ 99.5	9.0	2800	2.9	4700	30000	5.0	2800	1.6	4700	30000		
A 60 3_ 107.8	8.3	2800	2.7	4700	30000	4.6	2800	1.5	4700	30000		
A 60 3_ 123.0	7.3	2800	2.4	4700	30000	4.1	2800	1.3	4700	30000		
A 60 3_ 133.3	6.8	2800	2.2	4700	30000	3.8	2800	1.2	4700	30000		
A 60 3_ 144.0	6.2	2800	2.0	4700	30000	3.5	2800	1.1	4700	30000		
A 60 3_ 156.0	5.8	2800	1.9	4700	30000	3.2	2800	1.0	4700	30000		
A 60 3_ 171.5	5.2	2800	1.7	4700	30000	2.9	2800	0.94	4700	30000		
A 60 3_ 185.8	4.8	2800	1.6	4700	30000	2.7	2800	0.87	4700	30000		
A 60 4_ 208.7	4.3	2800	1.4	3500	30000	2.4	2800	0.79	3500	30000		
A 60 4_ 226.1	4.0	2800	1.3	3500	30000	2.2	2800	0.73	3500	30000		
A 60 4_ 264.3	3.4	2800	1.1	3500	30000	1.9	2800	0.62	3500	30000		
A 60 4_ 286.3	3.1	2800	1.0	3500	30000	1.7	2800	0.58	3500	30000		
A 60 4_ 324.2	2.8	2800	0.91	3500	30000	1.5	2800	0.51	3500	30000		
A 60 4_ 351.2	2.6	2800	0.84	3500	30000	1.4	2800	0.47	3500	30000		
A 60 4_ 404.7	2.2	2800	0.73	3500	30000	1.2	2800	0.41	3500	30000		
A 60 4_ 438.4	2.1	2800	0.68	3500	30000	1.1	2800	0.38	3500	30000		
A 60 4_ 500.3	1.8	2800	0.59	3500	30000	1.0	2800	0.33	3500	30000		
A 60 4_ 542.0	1.7	2800	0.55	3500	30000	0.92	2800	0.30	3500	30000		
A 60 4_ 585.8	1.5	2800	0.51	3500	30000	0.85	2800	0.28	3500	30000		
A 60 4_ 634.6	1.4	2800	0.47	3500	30000	0.79	2800	0.26	3500	30000		
A 60 4_ 697.3	1.3	2800	0.43	3500	30000	0.72	2800	0.24	3500	30000		
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A 70

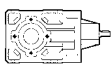

5000 Nm

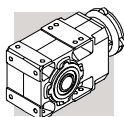
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A 70 3_ 9.4	297	2300	79	1900	25900	148	2800	48	2550	31900		
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A 70 3_ 12.1	232	2400	64	2420	28000	116	3200	43	1400	33900		
A 70 3_ 13.1	214	2600	64	2420	28400	107	3350	41	2100	34600		
A 70 3_ 15.4	182	2700	56	2100	29900	91	3350	35	2430	36700		
A 70 3_ 16.7	168	2850	55	2500	30400	84	3600	35	2590	37200		
A 70 3_ 19.7	142	2900	48	2030	32100	71	3700	30	1790	39300		
A 70 3_ 21.3	131	3000	45	2750	32900	66	4000	30	1830	39800		
A 70 3_ 23.5	119	3500	48	4930	32900	60	4300	29.5	6250	40500		
A 70 3_ 27.8	101	3450	40	4960	35100	50	4200	24.4	6300	43300		
A 70 3_ 30.1	93	3700	40	4970	35600	47	4550	24.4	6300	43900		
A 70 3_ 35.4	79	3650	33	5040	37900	40	4500	20.5	6370	46600		
A 70 3_ 38.4	73	3950	33	5040	38400	36	4850	20.4	6380	47300		
A 70 3_ 45.2	62	3900	27.8	5050	40800	31	4800	17.1	6400	50000		
A 70 3_ 49.0	57	4250	27.9	5050	41300	28.6	5000	16.4	6450	50000		
A 70 3_ 53.2	53	4100	24.8	5030	42900	26.3	5000	15.1	6380	50000		
A 70 3_ 57.7	49	4450	24.9	5030	43400	24.3	5000	14.0	6490	50000		
A 70 3_ 66.9	42	4350	20.9	5050	46000	20.9	5000	12.0	6480	50000		
A 70 3_ 72.5	39	4750	21.1	5040	46500	19.3	5000	11.1	6580	50000		
A 70 3_ 79.3	35	4600	18.7	5020	48400	17.6	5000	10.2	6520	50000		
A 70 3_ 85.9	33	4950	18.6	5030	49100	16.3	5000	9.4	6620	50000		
A 70 3_ 96.2	29.1	4850	16.2	5000	50000	14.6	5000	8.4	6570	50000		
A 70 3_ 104.2	26.9	5000	15.5	5060	50000	13.4	5000	7.7	6660	50000		
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A 70 3_ 130.7	21.4	5000	12.3	5100	50000	10.7	5000	6.2	6690	50000		
A 70 3_ 141.9	19.7	5000	11.4	5040	50000	9.9	5000	5.7	6640	50000		
A 70 3_ 153.7	18.2	3300	6.9	5410	50000	9.1	4050	4.2	6920	50000		
A 70 4_ 169.8	16.5	5000	9.7	1130	50000	8.2	5000	4.9	2520	50000		
A 70 4_ 183.9	15.2	5000	9.0	1450	50000	7.6	5000	4.5	2670	50000		
A 70 4_ 220.3	12.7	5000	7.5	1560	50000	6.4	5000	3.7	2710	50000		
A 70 4_ 238.6	11.7	5000	6.9	1860	50000	5.9	5000	3.5	2770	50000		
A 70 4_ 292.0	9.6	5000	5.6	1900	50000	4.8	5000	2.8	2790	50000		
A 70 4_ 316.4	8.9	5000	5.2	2110	50000	4.4	5000	2.6	2850	50000		
A 70 4_ 369.4	7.6	5000	4.5	2110	50000	3.8	5000	2.2	2840	50000		
A 70 4_ 400.2	7.0	5000	4.1	2160	50000	3.5	5000	2.1	2900	50000		
A 70 4_ 475.8	5.9	5000	3.5	2150	50000	2.9	5000	1.7	2890	50000		
A 70 4_ 515.4	5.4	5000	3.2	2200	50000	2.7	5000	1.6	2940	50000		
A 70 4_ 595.0	4.7	5000	2.8	2190	50000	2.4	5000	1.4	2920	50000		
A 70 4_ 644.6	4.3	5000	2.6	2230	50000	2.2	5000	1.3	2970	50000		
A 70 4_ 705.1	4.0	5000	2.3	2200	50000	2.0	5000	1.2	2940	50000		
A 70 4_ 763.9	3.7	5000	2.2	2250	50000	1.8	5000	1.1	2990	50000		
A 70 4_ 855.3	3.3	5000	1.9	2220	50000	1.6	5000	0.96	2960	50000		
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A 70 4_ 1072	2.6	5000	1.5	2240	50000	1.3	5000	0.77	2970	50000		
A 70 4_ 1161	2.4	5000	1.4	2280	50000	1.2	5000	0.71	3020	50000		
A 70 4_ 1242	2.3	5000	1.3	2250	50000	1.1	5000	0.66	2980	50000		
A 70 4_ 1346	2.1	5000	1.2	2290	50000	1.0	5000	0.61	3030	50000		
A 70 4_ 1583	1.8	5000	1.0	2260	50000	0.88	5000	0.52	2990	50000		
A 70 4_ 1715	1.6	5000	0.96	2300	50000	0.82	5000	0.48	3040	50000		



5000 Nm

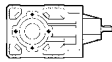

A 70

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A 70 3_ 10.2	88	3250	33	4290	37400	49	3250	18.3	7000	46100		
A 70 3_ 12.1	75	3650	31	1620	38700	41	3650	17.4	6470	47900		
A 70 3_ 13.1	69	3950	31	1650	39200	38	3950	17.4	6500	48600		
A 70 3_ 15.4	58	3700	24.9	3510	42200	32	3700	13.8	7000	50000		
A 70 3_ 16.7	54	4000	24.8	3560	42800	30	4000	13.8	7000	50000		
A 70 3_ 19.7	46	3700	19.5	4910	46100	25.4	3700	10.8	7000	50000		
A 70 3_ 21.3	42	4000	19.4	4950	46800	23.5	4000	10.8	7000	50000		
A 70 3_ 23.5	38	4900	21.6	7000	46300	21.3	5000	12.2	7000	50000		
A 70 3_ 27.8	32	4800	17.9	7000	49400	18.0	5000	10.4	7000	50000		
A 70 3_ 30.1	29.9	5000	17.2	7000	50000	16.6	5000	9.6	7000	50000		
A 70 3_ 35.4	25.4	5000	14.6	7000	50000	14.1	5000	8.1	7000	50000		
A 70 3_ 38.4	23.4	5000	13.5	7000	50000	13.0	5000	7.5	7000	50000		
A 70 3_ 45.2	19.9	5000	11.4	7000	50000	11.1	5000	6.4	7000	50000		
A 70 3_ 49.0	18.4	5000	10.6	7000	50000	10.2	5000	5.9	7000	50000		
A 70 3_ 53.2	16.9	5000	9.7	7000	50000	9.4	5000	5.4	7000	50000		
A 70 3_ 57.7	15.6	5000	9.0	7000	50000	8.7	5000	5.0	7000	50000		
A 70 3_ 66.9	13.4	5000	7.7	7000	50000	7.5	5000	4.3	7000	50000		
A 70 3_ 72.5	12.4	5000	7.1	7000	50000	6.9	5000	4.0	7000	50000		
A 70 3_ 79.3	11.3	5000	6.5	7000	50000	6.3	5000	3.6	7000	50000		
A 70 3_ 85.9	10.5	5000	6.0	7000	50000	5.8	5000	3.3	7000	50000		
A 70 3_ 96.2	9.4	5000	5.4	7000	50000	5.2	5000	3.0	7000	50000		
A 70 3_ 104.2	8.6	5000	5.0	7000	50000	4.8	5000	2.8	7000	50000		
A 70 3_ 120.6	7.5	5000	4.3	7000	50000	4.1	5000	2.4	7000	50000		
A 70 3_ 130.7	6.9	5000	4.0	7000	50000	3.8	5000	2.2	7000	50000		
A 70 3_ 141.9	6.3	5000	3.7	7000	50000	3.5	5000	2.0	7000	50000		
A 70 3_ 153.7	5.9	4600	3.1	7000	50000	3.3	5000	1.9	7000	50000		
A 70 4_ 169.8	5.3	5000	3.1	3170	50000	2.9	5000	1.7	3500	50000		
A 70 4_ 183.9	4.9	5000	2.9	3240	50000	2.7	5000	1.6	3500	50000		
A 70 4_ 220.3	4.1	5000	2.4	3270	50000	2.3	5000	1.3	3500	50000		
A 70 4_ 238.6	3.8	5000	2.2	3340	50000	2.1	5000	1.2	3500	50000		
A 70 4_ 292.0	3.1	5000	1.8	3350	50000	1.7	5000	1.0	3500	50000		
A 70 4_ 316.4	2.8	5000	1.7	3410	50000	1.6	5000	0.93	3500	50000		
A 70 4_ 369.4	2.4	5000	1.4	3410	50000	1.4	5000	0.80	3500	50000		
A 70 4_ 400.2	2.2	5000	1.3	3460	50000	1.2	5000	0.74	3500	50000		
A 70 4_ 475.8	1.9	5000	1.1	3450	50000	1.1	5000	0.62	3500	50000		
A 70 4_ 515.4	1.7	5000	1.0	3500	50000	0.97	5000	0.57	3500	50000		
A 70 4_ 595.0	1.5	5000	0.89	3480	50000	0.84	5000	0.49	3500	50000		
A 70 4_ 644.6	1.4	5000	0.82	3500	50000	0.78	5000	0.46	3500	50000		
A 70 4_ 705.1	1.3	5000	0.75	3500	50000	0.71	5000	0.42	3500	50000		
A 70 4_ 763.9	1.2	5000	0.69	3500	50000	0.65	5000	0.39	3500	50000		
A 70 4_ 855.3	1.1	5000	0.62	3500	50000	0.58	5000	0.34	3500	50000		
A 70 4_ 926.5	0.97	5000	0.57	3500	50000	0.54	5000	0.32	3500	50000		
A 70 4_ 1072	0.84	5000	0.49	3500	50000	0.47	5000	0.27	3500	50000		
A 70 4_ 1161	0.77	5000	0.46	3500	50000	0.43	5000	0.25	3500	50000		
A 70 4_ 1242	0.72	5000	0.43	3500	50000	0.40	5000	0.24	3500	50000		
A 70 4_ 1346	0.67	5000	0.39	3500	50000	0.37	5000	0.22	3500	50000		
A 70 4_ 1583	0.57	5000	0.33	3500	50000	0.32	5000	0.19	3500	50000		
A 70 4_ 1715	0.52	5000	0.31	3500	50000	0.29	5000	0.17	3500	50000		

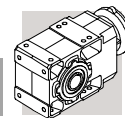


A 80

8000 Nm

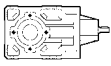

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	
A 80 3_ 9.8		285	3100	102	—	26300	142	3900	64	—	32100	152
A 80 3_ 10.7		263	3450	104	—	26300	131	4300	65	—	32300	
A 80 3_ 12.3		228	3450	91	—	27700	114	4300	56	—	34000	
A 80 3_ 13.3		211	3450	84	1150	28700	105	4300	52	1150	35200	
A 80 3_ 15.5		181	3300	69	1560	30600	91	4100	43	1730	37600	
A 80 3_ 16.7		167	3600	69	1440	30900	84	4500	43	1460	37900	
A 80 3_ 19.3		145	3500	58	1870	32800	72	4400	37	1880	40200	
A 80 3_ 20.9		134	3840	59	1670	33100	67	4800	37	1740	40600	
A 80 3_ 22.6		124	5050	72	4500	31200	62	6250	45	5830	38400	
A 80 3_ 24.5		114	5500	72	4470	31300	57	6750	44	5840	38600	
A 80 3_ 28.2		99	5350	61	4700	33500	50	6600	38	5960	41200	
A 80 3_ 30.6		92	5250	55	4840	34900	46	6450	34	6140	43000	
A 80 3_ 35.5		79	5700	52	4700	36000	39	7000	32	6000	44300	
A 80 3_ 38.5		73	6150	51	4720	36200	36	7600	32	6000	44500	
A 80 3_ 44.5		63	6050	44	4790	38600	31	7450	27.0	6070	47500	
A 80 3_ 48.2		58	6550	44	4790	38800	29.1	8000	26.7	6090	47900	
A 80 3_ 55.2		51	6400	37	4710	41300	25.4	7900	23.1	6050	50800	
A 80 3_ 59.8		47	6950	37	4690	41500	23.4	8000	21.6	6170	52300	
A 80 3_ 66.8		42	6800	33	4670	43700	21.0	8000	19.3	6150	54600	
A 80 3_ 72.4		39	7350	33	4680	44000	19.3	8000	17.8	6280	56500	
A 80 3_ 82.3		34	7200	28.2	4570	46600	17.0	8000	15.7	6230	59300	
A 80 3_ 89.2		31	7800	28.2	4570	46900	15.7	8000	14.5	6350	61400	
A 80 3_ 96.0		29.2	7500	25.2	4410	48900	14.6	8000	13.4	6260	63000	
A 80 3_ 104.0		26.9	8000	24.8	4500	49500	13.5	8000	12.4	6380	65000	
A 80 3_ 116.0		24.1	7950	22.1	4230	51700	12.1	8000	11.1	6300	65000	
A 80 3_ 125.6		22.3	8000	20.5	4630	53400	11.1	8000	10.3	6420	65000	
A 80 3_ 144.7		19.3	8000	17.8	4320	56400	9.7	8000	8.9	6350	65000	
A 80 3_ 156.8		17.9	8000	16.4	4750	58300	8.9	8000	8.2	6460	65000	
A 80 4_ 171.3		16.3	8000	15.4	—	65000	8.2	8000	7.7	1230	65000	
A 80 4_ 214.7		13.0	8000	12.3	—	65000	6.5	8000	6.1	1400	65000	
A 80 4_ 232.6		12.0	8000	11.3	—	65000	6.0	8000	5.7	1810	65000	
A 80 4_ 277.3		10.1	8000	9.5	540	65000	5.0	8000	4.8	1930	65000	
A 80 4_ 300.4		9.3	8000	8.8	900	65000	4.7	8000	4.4	2290	65000	
A 80 4_ 354.0		7.9	8000	7.4	800	65000	4.0	8000	3.7	2190	65000	
A 80 4_ 383.5		7.3	8000	6.9	1140	65000	3.7	8000	3.4	2530	65000	
A 80 4_ 442.1		6.3	8000	6.0	1040	65000	3.2	8000	3.0	2430	65000	
A 80 4_ 478.9		5.8	8000	5.5	1370	65000	2.9	8000	2.8	2670	65000	
A 80 4_ 560.5		5.0	8000	4.7	1240	65000	2.5	8000	2.4	2630	65000	
A 80 4_ 607.2		4.6	8000	4.3	1550	65000	2.3	8000	2.2	2720	65000	
A 80 4_ 703.5		4.0	8000	3.7	1440	65000	2.0	8000	1.9	2690	65000	
A 80 4_ 762.1		3.7	8000	3.5	1730	65000	1.8	8000	1.7	2760	65000	
A 80 4_ 829.5		3.4	8000	3.2	1530	65000	1.7	8000	1.6	2720	65000	
A 80 4_ 898.7		3.1	8000	2.9	1820	65000	1.6	8000	1.5	2780	65000	
A 80 4_ 1001		2.8	8000	2.6	1620	65000	1.4	8000	1.3	2740	65000	
A 80 4_ 1085		2.6	8000	2.4	1900	65000	1.3	8000	1.2	2800	65000	
A 80 4_ 1237		2.3	8000	2.1	1660	65000	1.1	8000	1.1	2750	65000	
A 80 4_ 1340		2.1	8000	2.0	1940	65000	1.0	8000	0.98	2810	65000	
A 80 4_ 1438		1.9	8000	1.8	1730	65000	0.97	8000	0.92	2770	65000	
A 80 4_ 1558		1.8	8000	1.7	2000	65000	0.90	8000	0.85	2830	65000	

(-) Contactar con nuestro Servicio Técnico comunicando los datos relativos a la carga radial (sentido de giro, orientación, posición)
 (-) Contact our technical service department advising radial load data (rotation direction, load angle, offset)
 (-) Nehmen Sie bitte Kontakt mit unserem Applikationsdienst und Querkraftsdaten angeben (Drehrichtung, Orientierung, Anordnung)
 (-) Consulter notre service technique en donnant les détails concernant la charge radiale (sens de rotation, indexage, position)

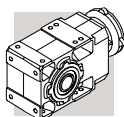


8000 Nm

A 80

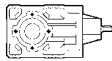

	i	$n_1 = 900 \text{ min}^{-1}$					$n_1 = 500 \text{ min}^{-1}$					
		n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	n_2 min^{-1}	Mn_2 Nm	Pn_1 kW	Rn_1 N	Rn_2 N	
A 80 3_ 9.8	92	4450	47	—	36700	51	5300	31	—	43800	152	
A 80 3_ 10.7	84	4900	48	—	36900	47	5850	32	—	44000		
A 80 3_ 12.3	73	4900	41	—	38900	41	5850	27.4	—	46400		
A 80 3_ 13.3	68	4900	38	1360	40200	38	5850	25.3	1600	47900		
A 80 3_ 15.5	58	4650	31	2130	43000	32	5550	20.7	2530	51300		
A 80 3_ 16.7	54	5100	32	1840	43400	29.9	6100	21.0	2120	51700		
A 80 3_ 19.3	47	5000	26.8	2260	46000	25.9	6000	17.9	2530	54800		
A 80 3_ 20.9	43	5470	27.0	2030	46400	23.9	6500	17.9	2530	55400		
A 80 3_ 22.6	40	7100	33	6810	43900	22.1	8000	20.4	7000	53400		
A 80 3_ 24.5	37	7700	33	6800	44100	20.4	8000	18.8	7000	55300		
A 80 3_ 28.2	32	7550	27.7	6940	47000	17.7	8000	16.3	7000	58400		
A 80 3_ 30.6	29.4	7400	25.1	7000	49000	16.4	8000	15.1	7000	60400		
A 80 3_ 35.5	25.3	8000	23.3	6980	50600	14.1	8000	13.0	7000	63900		
A 80 3_ 38.5	23.4	8000	21.5	7000	52400	13.0	8000	12.0	7000	65000		
A 80 3_ 44.5	20.2	8000	18.6	7000	55400	11.2	8000	10.3	7000	65000		
A 80 3_ 48.2	18.7	8000	17.2	7000	57300	10.4	8000	9.6	7000	65000		
A 80 3_ 55.2	16.3	8000	15.0	7000	60300	9.1	8000	8.3	7000	65000		
A 80 3_ 59.8	15.1	8000	13.9	7000	62300	8.4	8000	7.7	7000	65000		
A 80 3_ 66.8	13.5	8000	12.4	7000	65000	7.5	8000	6.9	7000	65000		
A 80 3_ 72.4	12.4	8000	11.4	7000	65000	6.9	8000	6.4	7000	65000		
A 80 3_ 82.3	10.9	8000	10.1	7000	65000	6.1	8000	5.6	7000	65000		
A 80 3_ 89.2	10.1	8000	9.3	7000	65000	5.6	8000	5.2	7000	65000		
A 80 3_ 96.0	9.4	8000	8.6	7000	65000	5.2	8000	4.8	7000	65000		
A 80 3_ 104.0	8.7	8000	8.0	7000	65000	4.8	8000	4.4	7000	65000		
A 80 3_ 116.0	7.8	8000	7.1	7000	65000	4.3	8000	4.0	7000	65000		
A 80 3_ 125.6	7.2	8000	6.6	7000	65000	4.0	8000	3.7	7000	65000		
A 80 3_ 144.7	6.2	8000	5.7	7000	65000	3.5	8000	3.2	7000	65000		
A 80 3_ 156.8	5.7	8000	5.3	7000	65000	3.2	8000	2.9	7000	65000		
A 80 4_ 171.3	5.3	8000	4.9	2300	65000	2.9	8000	2.7	3500	65000		
A 80 4_ 214.7	4.2	8000	3.9	2470	65000	2.3	8000	2.2	3500	65000		
A 80 4_ 232.6	3.9	8000	3.6	2870	65000	2.1	8000	2.0	3500	65000		
A 80 4_ 277.3	3.2	8000	3.1	3000	65000	1.8	8000	1.7	3500	65000		
A 80 4_ 300.4	3.0	8000	2.8	3120	65000	1.7	8000	1.6	3500	65000		
A 80 4_ 354.0	2.5	8000	2.4	3100	65000	1.4	8000	1.3	3500	65000		
A 80 4_ 383.5	2.3	8000	2.2	3180	65000	1.3	8000	1.2	3500	65000		
A 80 4_ 442.1	2.0	8000	1.9	3160	65000	1.1	8000	1.1	3500	65000		
A 80 4_ 478.9	1.9	8000	1.8	3230	65000	1.0	8000	0.98	3500	65000		
A 80 4_ 560.5	1.6	8000	1.5	3210	65000	0.89	8000	0.84	3500	65000		
A 80 4_ 607.2	1.5	8000	1.4	3280	65000	0.82	8000	0.78	3500	65000		
A 80 4_ 703.5	1.3	8000	1.2	3260	65000	0.71	8000	0.67	3500	65000		
A 80 4_ 762.1	1.2	8000	1.1	3320	65000	0.66	8000	0.62	3500	65000		
A 80 4_ 829.5	1.1	8000	1.0	3280	65000	0.60	8000	0.57	3500	65000		
A 80 4_ 898.7	1.0	8000	0.94	3340	65000	0.56	8000	0.52	3500	65000		
A 80 4_ 1001	0.90	8000	0.85	3300	65000	0.50	8000	0.47	3500	65000		
A 80 4_ 1085	0.83	8000	0.78	3360	65000	0.46	8000	0.43	3500	65000		
A 80 4_ 1237	0.73	8000	0.68	3310	65000	0.40	8000	0.38	3500	65000		
A 80 4_ 1340	0.67	8000	0.63	3370	65000	0.37	8000	0.35	3500	65000		
A 80 4_ 1438	0.63	8000	0.59	3330	65000	0.35	8000	0.33	3500	65000		
A 80 4_ 1558	0.58	8000	0.54	3390	65000	0.32	8000	0.30	3500	65000		

(—) Contactar con nuestro Servicio Técnico comunicando los datos relativos a la carga radial (sentido de giro, orientación, posición)
 (—) Contact our technical service department advising radial load data (rotation direction, load angle, offset)
 (—) Nehmen Sie bitte Kontakt mit unserem Applikationsdienst und Querkraftsdaten angeben (Drehrichtung, Orientierung, Anordnung)
 (—) Consulter notre service technique en donnant les détails concernant la charge radiale (sens de rotation, indexage, position)



A 90

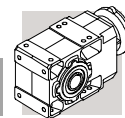
14000 Nm

	i	n ₁ = 2800 min ⁻¹					n ₁ = 1400 min ⁻¹					
		n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	

A 90 3_ 9.7	289	7800	260	2440	27600	145	9050	151	5520	35000
A 90 3_ 10.5	267	8350	257	2620	27700	134	9800	151	5530	34900
A 90 3_ 12.6	221	8500	217	2700	29800	111	10450	133	4790	36700
A 90 3_ 13.7	204	8050	189	4670	31800	102	11150	131	5060	36900
A 90 3_ 15.6	180	8900	184	3240	32000	90	10950	113	5410	39400
A 90 3_ 16.9	166	9650	184	3230	31900	83	11850	113	5440	39300
A 90 3_ 19.4	144	9400	156	3160	34300	72	11550	96	5350	42300
A 90 3_ 21.0	133	10150	156	3210	34300	67	12400	95	5510	42400
A 90 3_ 22.3	126	9850	143	9660	35700	63	12150	88	12200	43900
A 90 3_ 24.1	116	10700	143	9660	35500	58	13150	88	12200	43800
A 90 3_ 29.1	96	10550	117	9800	38900	48	13000	72	12400	47900
A 90 3_ 31.5	89	11450	117	9800	38800	44	14000	72	12400	47900
A 90 3_ 35.8	78	11150	100	9910	41600	39	13750	62	12500	51100
A 90 3_ 38.8	72	12100	100	9900	41500	36	14000	58	12700	52700
A 90 3_ 44.6	63	11800	85	9920	44600	31	14000	51	12700	56000
A 90 3_ 48.3	58	12800	85	9920	44500	29.0	14000	47	12800	58000
A 90 3_ 55.0	51	12550	73	9960	47500	25.4	14000	41	12800	61400
A 90 3_ 59.6	47	13550	73	9970	47500	23.5	14000	38	13000	63500
A 90 3_ 68.8	41	13350	63	9960	50900	20.4	14000	33	13000	67400
A 90 3_ 74.5	38	14000	61	10000	51700	18.8	14000	30	13100	69700
A 90 3_ 80.4	35	13900	56	9920	53500	17.4	14000	28.1	13000	71900
A 90 3_ 87.1	32	14000	52	10100	55500	16.1	14000	25.9	13200	74300
A 90 3_ 98.6	28.4	14000	46	9990	58500	14.2	14000	22.9	13100	75000
A 90 3_ 106.8	26.2	14000	42	10100	60600	13.1	14000	21.1	13300	75000
A 90 3_ 116.9	24.0	14000	39	10100	63000	12.0	14000	19.3	13200	75000
A 90 3_ 126.6	22.1	10650	27.1	10600	71400	11.1	13150	16.7	13400	75000
A 90 3_ 139.4	20.1	10350	23.9	10600	74500	10.0	12750	14.7	13400	75000
A 90 3_ 151.0	18.5	11200	23.9	10600	75000	9.3	13800	14.7	13400	75000
A 90 4_ 166.1	16.9	14000	27.8	—	75000	8.4	14000	13.9	—	75000
A 90 4_ 180.0	15.6	14000	25.6	—	75000	7.8	14000	12.8	—	75000
A 90 4_ 209.0	13.4	14000	22.1	—	75000	6.7	14000	11.0	—	75000
A 90 4_ 226.4	12.4	14000	20.4	—	75000	6.2	14000	10.2	—	75000
A 90 4_ 281.4	9.9	14000	16.4	—	75000	5.0	14000	8.2	—	75000
A 90 4_ 304.9	9.2	14000	15.1	—	75000	4.6	14000	7.6	—	75000
A 90 4_ 355.8	7.9	14000	13.0	—	75000	3.9	14000	6.5	—	75000
A 90 4_ 385.4	7.3	14000	12.0	—	75000	3.6	14000	6.0	680	75000
A 90 4_ 449.2	6.2	14000	10.3	—	75000	3.1	14000	5.1	—	75000
A 90 4_ 486.6	5.8	14000	9.5	—	75000	2.9	14000	4.7	950	75000
A 90 4_ 555.3	5.0	14000	8.3	—	75000	2.5	14000	4.2	740	75000
A 90 4_ 601.6	4.7	14000	7.7	—	75000	2.3	14000	3.8	1200	75000
A 90 4_ 707.9	4.0	14000	6.5	—	75000	2.0	14000	3.3	1050	75000
A 90 4_ 766.9	3.7	14000	6.0	—	75000	1.8	14000	3.0	1490	75000
A 90 4_ 865.1	3.2	14000	5.3	—	75000	1.6	14000	2.7	1170	75000
A 90 4_ 937.2	3.0	14000	4.9	—	75000	1.5	14000	2.5	1590	75000
A 90 4_ 1025	2.7	14000	4.5	—	75000	1.4	14000	2.2	1330	75000
A 90 4_ 1111	2.5	14000	4.2	—	75000	1.3	14000	2.1	1740	75000
A 90 4_ 1222	2.3	14000	3.8	—	75000	1.1	14000	1.9	1380	75000
A 90 4_ 1324	2.1	14000	3.5	—	75000	1.1	14000	1.7	1790	75000
A 90 4_ 1507	1.9	14000	3.1	—	75000	0.93	14000	1.5	1440	75000
A 90 4_ 1632	1.7	14000	2.8	—	75000	0.86	14000	1.4	1840	75000

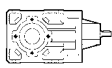

155

(—) Contatar con nuestro Servicio Técnico comunicando los datos relativos a la carga radial (sentido de giro, orientación, posición)
 (—) Contact our technical service department advising radial load data (rotation direction, load angle, offset)
 (—) Nehmen Sie bitte Kontakt mit unserem Applikationsdienst und Querkraftsdaten angeben (Drehrichtung, Orientierung, Anordnung)
 (—) Consulter notre service technique en donnant les détails concernant la charge radiale (sens de rotation, indexage, position)

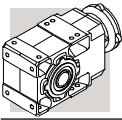


14000 Nm

A 90

	i	n ₁ = 900 min ⁻¹					n ₁ = 500 min ⁻¹					
		n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	n ₂ min ⁻¹	Mn ₂ Nm	Pn ₁ kW	Rn ₁ N	Rn ₂ N	
A 90 3_ 9.7	93	9050	97	9800	42300	52	9050	54	15000	53700	155	
A 90 3_ 10.5	86	9800	97	9810	42500	48	9800	54	15000	54200		
A 90 3_ 12.6	71	11800	97	6720	42100	40	11800	54	13500	54500		
A 90 3_ 13.7	66	12750	96	6770	42100	37	12800	54	13500	54600		
A 90 3_ 15.6	58	11550	77	8730	46700	32	11550	43	15000	59900		
A 90 3_ 16.9	53	12500	77	8750	46800	29.6	12500	43	15000	60300		
A 90 3_ 19.4	46	11550	62	9630	51400	25.8	11550	34	15000	65400		
A 90 3_ 21.0	43	12400	61	9790	51700	23.8	12400	34	15000	66100		
A 90 3_ 22.3	40	13850	64	14200	50200	22.5	14000	36	15000	64700		
A 90 3_ 24.1	37	14000	60	14400	51900	20.7	14000	33	15000	66900		
A 90 3_ 29.1	31	14000	50	14600	56200	17.2	14000	27.7	15000	72100		
A 90 3_ 31.5	28.6	14000	46	14800	58400	15.9	14000	25.6	15000	74700		
A 90 3_ 35.8	25.1	14000	40	14900	61700	14.0	14000	22.5	15000	75000		
A 90 3_ 38.8	23.2	14000	37	15000	63900	12.9	14000	20.8	15000	75000		
A 90 3_ 44.6	20.2	14000	33	15000	67700	11.2	14000	18.1	15000	75000		
A 90 3_ 48.3	18.6	14000	30	15000	70000	10.4	14000	16.7	15000	75000		
A 90 3_ 55.0	16.4	14000	26.3	15000	73800	9.1	14000	14.6	15000	75000		
A 90 3_ 59.6	15.1	14000	24.3	15000	75000	8.4	14000	13.5	15000	75000		
A 90 3_ 68.8	13.1	14000	21.1	15000	75000	7.3	14000	11.7	15000	75000		
A 90 3_ 74.5	12.1	14000	19.5	15000	75000	6.7	14000	10.8	15000	75000		
A 90 3_ 80.4	11.2	14000	18.0	15000	75000	6.2	14000	10.0	15000	75000		
A 90 3_ 87.1	10.3	14000	16.7	15000	75000	5.7	14000	9.3	15000	75000		
A 90 3_ 98.6	9.1	14000	14.7	15000	75000	5.1	14000	8.2	15000	75000		
A 90 3_ 106.8	8.4	14000	13.6	15000	75000	4.7	14000	7.5	15000	75000		
A 90 3_ 116.9	7.7	14000	12.4	15000	75000	4.3	14000	6.9	15000	75000		
A 90 3_ 126.6	7.1	14000	11.4	15000	75000	3.9	14000	6.4	15000	75000		
A 90 3_ 139.4	6.5	14000	10.4	15000	75000	3.6	14000	5.8	15000	75000		
A 90 3_ 151.0	6.0	14000	9.6	15000	75000	3.3	14000	5.3	15000	75000		
A 90 4_ 166.1	5.4	14000	8.9	—	75000	3.0	14000	5.0	700	75000		
A 90 4_ 180.0	5.0	14000	8.2	—	75000	2.8	14000	4.6	1400	75000		
A 90 4_ 209.0	4.3	14000	7.1	—	75000	2.4	14000	3.9	1500	75000		
A 90 4_ 226.4	4.0	14000	6.5	500	75000	2.2	14000	3.6	2100	75000		
A 90 4_ 281.4	3.2	14000	5.3	690	75000	1.8	14000	2.9	2300	75000		
A 90 4_ 304.9	3.0	14000	4.9	1230	75000	1.6	14000	2.7	2900	75000		
A 90 4_ 355.8	2.5	14000	4.2	1240	75000	1.4	14000	2.3	2900	75000		
A 90 4_ 385.4	2.3	14000	3.8	1750	75000	1.3	14000	2.1	3400	75000		
A 90 4_ 449.2	2.0	14000	3.3	1540	75000	1.1	14000	1.8	3200	75000		
A 90 4_ 486.6	1.8	14000	3.0	2020	75000	1.0	14000	1.7	3500	75000		
A 90 4_ 555.3	1.6	14000	2.7	1810	75000	0.90	14000	1.5	3500	75000		
A 90 4_ 601.6	1.5	14000	2.5	2270	75000	0.83	14000	1.4	3500	75000		
A 90 4_ 707.9	1.3	14000	2.1	2120	75000	0.71	14000	1.2	3500	75000		
A 90 4_ 766.9	1.2	14000	1.9	2560	75000	0.65	14000	1.1	3500	75000		
A 90 4_ 865.1	1.0	14000	1.7	2240	75000	0.58	14000	0.95	3500	75000		
A 90 4_ 937.2	0.96	14000	1.6	2660	75000	0.53	14000	0.88	3500	75000		
A 90 4_ 1025	0.88	14000	1.4	2400	75000	0.49	14000	0.80	3500	75000		
A 90 4_ 1111	0.81	14000	1.3	2810	75000	0.45	14000	0.74	3500	75000		
A 90 4_ 1222	0.74	14000	1.2	2450	75000	0.41	14000	0.67	3500	75000		
A 90 4_ 1324	0.68	14000	1.1	2860	75000	0.38	14000	0.62	3500	75000		
A 90 4_ 1507	0.60	14000	0.98	2410	75000	0.33	14000	0.55	3500	75000		
A 90 4_ 1632	0.55	14000	0.91	2910	75000	0.31	14000	0.50	3500	75000		

(—) Contactar con nuestro Servicio Técnico comunicando los datos relativos a la carga radial (sentido de giro, orientación, posición)
 (—) Contact our technical service department advising radial load data (rotation direction, load angle, offset)
 (—) Nehmen Sie bitte Kontakt mit unserem Applikationsdienst und Querkraftsdaten angeben (Drehrichtung, Orientierung, Anordnung)
 (—) Consulter notre service technique en donnant les détails concernant la charge radiale (sens de rotation, indexage, position)



31 - PREDISPOSICIONES POSIBLES

En las tablas (B11) y (B12) se especifican los montajes posibles de motores en términos puramente geométricos.

La selección del motorreductor debe efectuarse siguiendo las instrucciones especificadas en el párrafo 11, respetando particularmente la condición $S \geq f_s$.

31 - MOTOR AVAILABILITY

Motor-gearbox combinations resulting from charts (B11) and (B12) are purely based on geometrical compatibility.

When selecting a gearmotor, refer to procedure specified at para 11 and observe particularly the condition $S \geq f_s$.

31 - ANBAUMÖGLICHKEITEN

In den Tabellen (B11) und (B12) werden die von den Größen her gesehenen möglichen Passungen angegeben.

Die angemessene Getriebewahl muss unter Befolgung der im Paragraph 11 gegebenen Anleitungen und auf der Grundlage der Auswahltabelle der technischen Daten erfolgen.

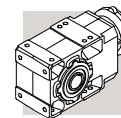
31 - PREDISPOSIZIONI POSSIBILI

Dans les tableaux (B11) et (B12) sont indiqués les accouplements possibles en termes de dimensions.

Le choix le plus approprié du réducteur à utiliser doit être effectué selon les indications du paragraphe 11, ainsi qu'en fonction des caractéristiques techniques des tableaux de sélection.

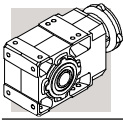
(B11)

		 IEC (IM B5)											
		P63	P71	P80	P90	P100	P112	P132	P160	P180	P200	P225	P250
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		120.5_380.9	120.5_380.9	120.5_380.9	120.5_380.9	120.5_380.9	120.5_380.9						
A 30 2		9.3_97.5 ● (10.5_16.3)	9.3_97.5 ● (10.5_16.3)	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5						
A 30 3		120.5_400.8	120.5_400.8	120.5_400.8	120.5_400.8	120.5_400.8	120.5_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	5.4_11.8					
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	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	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	7.7_20.9	7.7_20.9	7.7_20.9			
A 50 3		51.7_190.6	51.7_190.6	24_190.6	24_190.6	24_190.6	24_190.6	24_109.4	24_109.4	24_109.4			
A 50 4	i =	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	4.9_19.2	4.9_19.2	4.9_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	23.8_123.9	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	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						
A 70 3				66.9_153.7	66.9_153.7	66.9_153.7	66.9_153.7	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		292.0_1715	292.0_1715	169.8_1715	169.8_1715	169.8_1715	169.8_1715	169.8_644.6					
A 80 3				82.3_156.8	82.3_156.8	82.3_156.8	82.3_156.8	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		354.0_1558	354.0_1558	171.3_1558	171.3_1558	171.3_1558	171.3_1558	171.3_762.1					
A 90 3				98.6_151.0	98.6_151.0	98.6_151.0	98.6_151.0	55.0_151.0	15.6_151.0 ● (22.3_31.5)	9.7_151.0	9.7_126.6	9.7_126.6	9.7_126.6
A 90 4		449.2_1632	449.2_1632	166.1_1632	166.1_1632	166.1_1632	166.1_1632	166.1_937.2	166.1_937.2	166.1_937.2			



(B12)

							
		M05	M1	M2	M3	M4	M5
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		120.5_380.9	120.5_380.9	120.5_380.9	120.5_380.9		
A 30 2			9.3_76.5 ● (10.5_13.6)	5.4_97.5	5.4_97.5		
A 30 3		120.5_400.8	120.5_400.8	120.5_400.8	120.5_400.8		
A 35 2			9.3_96.6 ● (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	
A 50 3			51.7_190.6	24.0_190.6	24.0_190.6	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	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		



Predisposiciones motor que están disponibles para ser acoplados a reductores A05 ... A60 con servomotores de los tipos mas comunes. Las dimensiones de las bridas están indicadas en la sección de dimensiones de cada reductor. La sigla **SK** identifica la fijación con el eje del motor provisto de chavetero, mientras la sigla **SC** corresponde a la fijación mediante Aro de apriete (suministrado).

*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.*

Für viele Servomotoren der wichtigsten Hersteller stehen passende Motoradapter für die Baugrößen A05...A60 zur Verfügung. Die Abmessungen der Servomotor-Eingänge entnehmen Sie bitte dem Zeichnungsteil der verschiedenen Baugrößen. Der Bezeichnungszusatz **SK** steht für Eingänge mit herkömmlicher Passfedernut. Der Zusatz **SC** bezieht sich stattdessen auf Eingänge mit Klemmvorrichtung.

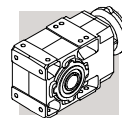
*Sont disponibles des prédispositions pour l'accouplement des réducteurs A05...A60 avec les servomoteurs les plus répandus. Les dimensions des brides sont indiquées dans les pages des dimensions de chaque réducteur. Le code **SK** indique un arbre d'entrée muni de rainure de clavette; le code **SC** indique un arbre d'entrée muni de frette de serrage (fournie).*

(B13a)

		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_380.8	109.2_380.8	109.2_380.8				109.2_380.8
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	211.0_778.2	211.0_778.2				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	208.1_793.0	208.1_793.0				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

(B13b)

		SERVO INPUT									
		SK95A	SK95B	SK95C	SK110A	SK110B	SK130A	SK130B	SK180A	SK180B	
		SC95A	SC95B	SC95C	SC110A	SC110B	SC130A	SC130B	SC180A	SC180B	
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_380.8	109.2_380.8	109.2_380.8	109.2_380.8	109.2_380.8					
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	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	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	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	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_123.9	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				
A 60 2			10.3_20.6	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				



32 - MOMENTO DE INERCIA

32 - MOMENT OF INERTIA

32 - TRÄGHEITSMOMENT

32 - MOMENT D'INERTIE

Las tablas siguientes indican los valores del momento de inercia J_r [Kgm²] referido al eje de entrada del reductor; para una mejor facilidad de comprensión rogamos tengan presente el significado de los símbolos usados.

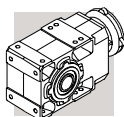
The following charts indicate moment of inertia values J_r [Kgm²] referred to the gear unit high speed shaft. A key to the symbols used follows:

Die In den folgenden Tabellen angegebenen Trägheitsmomente J_r [Kgm²] beziehen sich auf die Getriebeantriebsachse. Um das Lesen der Tabellen zu erleichtern, werden folgende Symbole verwendet:




Les tableaux suivants indiquent les valeurs du moment d'inertie J_r [Kgm²] du niveau de l'arbre rapide du réducteur; pour une plus grande facilité de lecture, nous vous prions de noter les définitions des symboles employés:

	Los valores referidos a este símbolo corresponden al reductor compacto sin motor. En este caso para obtener el momento de inercia del motorreductor, se deberá sumar al valor correspondiente al reductor compacto, el del motor que se aplique (dato que se encuentra en las tablas de características técnicas de los motores eléctricos).	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 M style motor, given in the relevant rating chart.	Kompaktgetriebe ohne Motor. In diesem Fall muß man, um das Gesamtträgheitsmoment des Getriebemotors zu erhalten, den dem Kompaktgetriebe mit der gewählten Übersetzung entsprechenden Wert mit dem Wert des anzuschließenden Motors addieren (dieser Wert kann den Elektromotorenauswahltabellen entnommen werden).	Les valeurs liées à symbole sont à assigner au réducteur compact sans moteur. Dans ce cas, afin d'avoir le moment d'inertie total du motoréducteur, on devra additionner la valeur correspondant au réducteur compact, à celle du moteur à assembler (donnée que l'on peut repérer dans les tableaux des caractéristiques techniques des moteurs électriques).
	El valor relativo a este símbolo corresponde al reductor predispuerto para el montaje de motor (tamaño IEC).	Values under this symbol refer to gearboxes with IEC motor adaptor (IEC size...).	Nur Getriebe vorbereitet für IEC-Motor (IEC-Größe...).	Les valeurs liées à ces symboles sont à assigner au réducteur prédisposé pour accouplement moteur seulement (taille CEI...).
	El valor atribuido al reductor es referido a este símbolo.	This symbol refers to gearbox values.	Dieses Symbol bezieht sich auf Getriebewerte.	Les valeurs liées au réducteur sont assignées à ce symbole.




A 05					
	i	J (· 10 ⁻⁴) [kgm ²]			
			P63	P71	P80
A 05 2 5.5	5.5	0.72	0.99	1.01	1.36
A 05 2 6.3	6.3	0.56	0.83	0.86	1.20
A 05 2 7.2	7.2	0.48	0.74	0.77	1.11
A 05 2 8.5	8.5	0.36	0.63	0.65	1.00
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	1.14
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	0.33	0.68
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	—	—

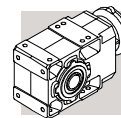


A 10


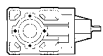
	i	J ($\cdot 10^{-4}$) [kgm ²]							
			 IEC						
			P63	P71	P80	P90	P100	P112	
A 10 2_5.5	5.5	1.00	2.5	2.5	3.9	3.8	5.1	5.1	1.8
A 10 2_6.3	6.3	0.80	2.3	2.3	3.7	3.6	4.9	4.9	1.6
A 10 2_7.2	7.2	0.60	2.1	2.1	3.5	3.4	4.7	4.7	1.5
A 10 2_8.5	8.5	0.45	1.9	1.9	3.3	3.1	4.5	4.5	1.4
A 10 2_9.6	9.6	0.30	1.8	1.8	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	0.9
A 10 2_32.2	32.2	0.08	1.6	1.6	3.0	2.9	4.2	4.2	0.9
A 10 2_35.1	35.1	0.07	1.6	1.6	3.0	2.9	4.2	4.2	0.9
A 10 2_40.9	40.9	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.9
A 10 2_45.4	45.4	0.05	1.6	1.6	3.0	2.9	4.2	4.2	0.9
A 10 2_51.3	51.3	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.9
A 10 2_58.6	58.6	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.9
A 10 2_65.9	65.9	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.9
A 10 2_76.4	76.4	0.02	1.5	1.5	—	—	—	—	0.9
A 10 2_91.6	91.6	0.01	1.5	1.5	—	—	—	—	0.9

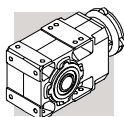
A 20

	i	J ($\cdot 10^{-4}$) [kgm ²]							
			 IEC						
			P63	P71	P80	P90	P100	P112	
A 20 2_5.4	5.4	2.40	—	—	5.3	5.2	6.5	6.5	4.3
A 20 2_6.5	6.5	1.9	—	—	—	—	—	—	—
A 20 2_7.3	7.3	1.40	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	1.20	—	—	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	—	—	—	—	0.9
A 20 3_120.5	120.5	0.02	1.5	1.5	—	—	—	—	0.9
A 20 3_129.1	129.1	0.02	1.5	1.5	—	—	—	—	0.9
A 20 3_146.1	146.1	0.02	1.5	1.5	—	—	—	—	0.9
A 20 3_163.4	163.4	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_178.3	178.3	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_199.2	199.2	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_221.3	221.3	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_260.5	260.5	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_292.8	292.8	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_329.4	329.4	0.01	1.5	1.5	—	—	—	—	0.9
A 20 3_380.9	380.9	0.01	1.5	1.5	—	—	—	—	0.9



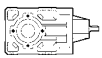


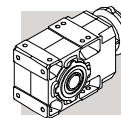
A 30

	i	J ($\cdot 10^{-4}$) [kgm ²]							
			IEC						
			P63	P71	P80	P90	P100	P112	
A 30 2_5.4	5.4	4.50	—	—	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	2.90	—	—	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	1.60	3.1	3.1	4.5	4.4	5.7	5.7	4.0
A 30 2_10.5	10.5	2.30	—	—	5.2	5.1	6.4	6.4	4.6
A 30 2_11.8	11.8	1.10	2.6	2.6	4.0	3.9	5.2	5.2	3.4
A 30 2_13.6	13.6	1.50	—	—	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	—	—	—	—	0.9
A 30 3_120.5	120.5	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_137.4	137.4	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_150.7	150.7	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_161.4	161.4	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_178.6	178.6	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_198.5	198.5	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_216.6	216.6	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_244.3	244.3	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_271.5	271.5	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_314.6	314.6	0.10	1.6	1.6	—	—	—	—	0.9
A 30 3_356.3	356.3	0.06	1.6	1.6	—	—	—	—	0.9
A 30 3_400.8	400.8	0.04	1.5	1.6	—	—	—	—	0.9






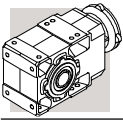
A 35

	i	J ($\cdot 10^{-4}$) [kgm ²]								
			IEC 							
			P63	P71	P80	P90	P100	P112	P132	
A 35 2_5.4	5.4	7.3	—	—	10.1	9.9	11.1	11.1	23.8	9.4
A 35 2_6.4	6.4	5.4	—	—	8.1	8.0	9.2	9.2	21.9	7.4
A 35 2_7.0	7.0	4.6	—	—	7.3	7.2	8.4	8.4	21.1	6.6
A 35 2_8.5	8.5	3.3	—	—	6.1	5.9	7.1	7.1	19.8	5.4
A 35 2_9.3	9.3	2.8	3.5	3.5	5.6	5.4	6.6	6.6	19.3	4.9
A 35 2_10.6	10.6	2.1	2.9	2.9	4.9	4.8	6.0	6.0	18.7	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	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 41

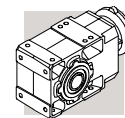
	i	J ($\cdot 10^{-4}$) [kgm ²]								
			 IEC							
			P63	P71	P80	P90	P100	P112	P132	
A 41 2_5.2	5.2	12.8	—	—	15.7	15.6	16.9	16.9	31.7	23.3
A 41 2_7.1	7.1	7.3	—	—	10.2	10.1	11.4	11.4	26.2	17.8
A 41 2_8.3	8.3	5.9	—	—	8.8	8.7	10.0	10.0	24.8	16.4
A 41 2_9.2	9.2	4.5	—	—	7.4	7.3	8.6	8.6	23.4	15.0
A 41 2_10.1	10.1	5.9	—	—	8.8	8.7	10.0	10.0	24.8	16.4
A 41 2_11.7	11.7	2.9	4.4	4.4	5.8	5.7	7.0	7.0	21.8	13.4
A 41 2_13.8	13.8	3.6	—	—	6.5	6.4	7.7	7.7	22.5	14.1
A 41 2_16.1	16.1	2.9	—	—	5.8	5.7	7.0	7.0	21.8	12.7
A 41 2_17.8	17.8	2.2	—	—	5.1	5.0	6.3	6.3	21.1	11.4
A 41 2_22.7	22.7	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20.4	10.7
A 41 2_28.3	28.3	1.1	2.6	2.6	4.0	3.9	5.2	5.2	—	10.2
A 41 2_35.9	35.9	1.7	3.2	3.2	4.6	4.5	5.8	5.8	—	9.8
A 41 2_45.1	45.1	1.5	3.0	3.0	4.4	4.3	5.6	5.6	—	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	92.1	1.1	2.6	2.6	4.0	3.9	5.2	5.2	—	9.2
A 41 3_115.9	115.9	0.2	1.7	1.7	2.9	3.0	4.3	—	—	2.1
A 41 3_146.9	146.9	0.1	1.6	1.6	2.8	2.9	4.2	—	—	2.1
A 41 3_184.4	184.4	0.1	1.6	1.6	2.8	2.9	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	0.1	1.6	1.6	2.8	2.9	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	0.1	1.6	1.6	2.8	2.9	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	0.1	1.6	1.6	2.8	2.9	4.2	—	—	2.0
A 41 3_376.8	376.8	0.1	1.6	1.6	2.8	2.9	4.2	—	—	2.0



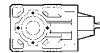

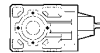
A 50

	i	J ($\cdot 10^4$) [kgm ²]										
			IEC									
			P63	P71	P80	P90	P100	P112	P132	P160	P180	
A 50 2_7.7	7.7	15.0	—	—	17.9	17.8	19.10	19.10	34.0	93	91	24.1
A 50 2_9.7	9.7	10.2	—	—	13.10	13.0	14.3	14.3	29.1	89	86	19.3
A 50 2_13.1	13.1	6.3	—	—	9.2	9.1	10.3	10.3	25.2	85	82	15.3
A 50 2_16.6	16.6	4.2	—	—	7.0	7.0	8.2	8.2	23.1	82	80	13.2
A 50 2_20.9	20.9	2.8	4.2	4.2	5.7	5.6	6.9	6.9	21.7	81	79	11.9
A 50 3_24.0	24.0	6.0	—	—	8.9	8.8	10.1	10.1	24.9	84	82	15.0
A 50 3_26.4	26.4	5.8	—	—	8.7	8.6	9.9	9.9	24.7	84	82	14.8
A 50 3_32.4	32.4	4.0	—	—	6.8	6.8	8.1	8.1	22.9	82	80	13.0
A 50 3_35.6	35.6	3.9	—	—	6.7	6.7	8.0	8.0	22.8	82	80	12.9
A 50 3_40.9	40.9	2.7	—	—	5.6	5.5	6.8	6.8	21.6	81	79	11.8
A 50 3_45.0	45.0	2.6	—	—	5.5	5.4	6.7	6.7	21.5	81	79	11.7
A 50 3_51.7	51.7	1.9	3.4	3.4	4.7	4.7	6.0	6.0	20.8	80	78	11.0
A 50 3_56.8	56.8	1.9	3.3	3.3	4.7	4.6	5.9	5.9	20.8	80	78	10.9
A 50 3_63.9	63.9	1.4	2.9	2.8	4.2	4.2	5.5	5.5	20.3	80	77	10.5
A 50 3_70.2	70.2	1.4	2.8	2.8	4.2	4.1	5.4	5.4	20.3	80	77	10.4
A 50 3_81.5	81.5	0.9	2.4	2.4	3.8	3.7	5.0	5.0	19.8	79	77	10.0
A 50 3_89.5	89.5	0.9	2.4	2.4	3.7	3.7	5.0	5.0	19.8	79	77	10.0
A 50 3_99.5	99.5	0.6	2.1	2.1	3.5	3.4	4.7	4.7	19.5	79	77	9.7
A 50 3_109.4	109.4	0.6	2.1	2.1	3.5	3.4	4.7	4.7	19.5	79	77	9.7
A 50 3_118.0	118.0	0.5	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_129.7	129.7	0.5	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_140.6	140.6	0.4	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_154.6	154.6	0.4	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_173.4	173.4	0.3	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3
A 50 3_190.6	190.6	0.2	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3

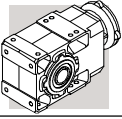
Para los valores de los momentos de inercia correspondientes a los reductores de 4 etapas, consultar con nuestro Servicio Técnico.
 For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.
 Im Hinblick auf die Trägheitsmomente der 4-stufigen Getriebe verweisen wir auf unseren Technischen Dienst.
 Quant aux valeurs des moments d'inertie, se référant aux réducteurs à 4 étages, consultez notre Service technique.






A 55

	i	J ($\cdot 10^{-4}$) [kgm ²]										
			IEC									
		P63	P71	P80	P90	P100	P112	P132	P160	P180		
A 55 2_4.9	4.9	60.8	—	—	—	—	—	—	77.0	123.0	120.3	69.8
A 55 2_6.4	6.4	40.5	—	—	—	—	—	—	56.7	102.7	100.0	49.5
A 55 2_8.5	8.5	25.7	—	—	—	—	—	—	41.9	87.9	85.2	34.7
A 55 2_10.4	10.4	18.7	—	—	—	—	—	—	34.9	80.8	78.2	27.7
A 55 2_13.1	13.1	12.1	—	—	14.1	14.0	16.7	16.7	28.3	74.2	71.6	21.1
A 55 2_15.7	15.7	8.9	—	—	11.1	10.9	13.7	13.7	25.1	71.0	68.4	17.9
A 55 2_19.2	19.2	6.2	—	—	8.6	8.5	11.3	11.3	22.5	68.4	65.8	15.2
A 55 3_23.8	23.8	10.9	—	—	13.4	13.3	16.0	16.0	27.1	73.1	70.4	19.9
A 55 3_29.9	29.9	7.9	—	—	10.4	10.3	13.0	13.0	24.1	70.1	67.4	16.9
A 55 3_40.3	40.3	5.3	—	—	7.8	7.6	10.4	10.4	21.5	67.5	64.8	14.3
A 55 3_51.0	51.0	3.6	—	—	6.0	5.9	8.6	8.6	19.8	65.8	63.1	12.6
A 55 3_64.3	64.3	2.6	3.1	3.0	5.1	5.0	7.7	7.7	18.9	64.8	62.2	11.6
A 55 3_79.5	79.5	2.0	2.4	2.4	4.5	4.4	7.1	7.1	18.2	64.2	61.5	11.0
A 55 3_101.4	101.4	1.3	1.8	1.8	3.8	3.7	6.5	6.5	17.5	63.5	60.8	10.3
A 55 3_123.9	123.9	1.0	1.5	1.5	3.6	3.4	6.2	6.2	17.2	63.2	60.5	10.0
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

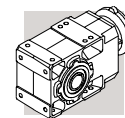
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


A 60

	i	J ($\cdot 10^{-4}$) [kgm ²]											
			 IEC										
			P63	P71	P80	P90	P100	P112	P132	P160	P180		
A 60 2_7.9	7.9	36.0	—	—	—	—	—	—	—	54.0	114	112	57.0
A 60 2_10.3	10.3	22.6	—	—	25.4	25.4	26.7	26.7	41.0	101	99	99	44.0
A 60 2_12.7	12.7	16.1	—	—	18.9	18.8	20.1	20.1	35.0	94	92	92	37.0
A 60 2_16.7	16.7	9.4	—	—	12.2	12.2	13.5	13.5	28.3	88	85	85	30.0
A 60 2_20.6	20.6	6.7	—	—	9.6	9.5	10.8	10.8	25.6	85	83	83	27.7
A 60 3_25.7	25.7	14.1	—	—	16.9	16.9	18.1	18.1	33.0	92	90	90	35.0
A 60 3_27.9	27.9	13.8	—	—	16.7	16.6	17.9	17.9	33.0	92	90	90	35.0
A 60 3_31.7	31.7	10.4	—	—	13.2	13.2	14.5	14.5	29.3	89	86	86	31.0
A 60 3_34.3	34.3	10.3	—	—	13.1	13.1	14.4	14.4	29.2	89	86	86	31.0
A 60 3_41.7	41.7	6.1	—	—	9.0	8.9	10.2	10.2	25.1	84	82	82	27.1
A 60 3_45.2	45.2	6.1	—	—	8.9	8.9	10.1	10.1	25.0	84	82	82	27.0
A 60 3_51.3	51.3	5.0	—	—	7.4	7.4	8.7	8.7	23.5	83	81	81	25.6
A 60 3_55.6	55.6	4.5	—	—	7.4	7.3	8.6	8.6	23.4	83	81	81	25.5
A 60 3_65.0	65.0	3.2	—	—	6.1	6.0	7.3	7.3	22.1	82	79	79	24.2
A 60 3_70.4	70.4	3.2	—	—	6.1	6.0	7.3	7.3	22.1	81	79	79	24.2
A 60 3_79.7	79.7	2.1	—	—	5.0	4.9	6.2	6.2	21.0	80	78	78	23.1
A 60 3_86.4	86.4	2.1	—	—	5.0	4.9	6.2	6.2	21.0	80	78	78	23.1
A 60 3_99.5	99.5	2.0	—	—	4.3	4.3	5.6	5.6	20.4	80	78	78	22.5
A 60 3_107.8	107.8	1.5	—	—	4.3	4.3	5.6	5.6	20.4	80	78	78	22.4
A 60 3_123.0	123.0	1.1	—	—	4.0	3.9	5.2	5.2	20.0	79	77	77	22.1
A 60 3_133.3	133.3	1.1	—	—	3.9	3.9	5.2	5.2	20.0	79	77	77	22.0
A 60 3_144.0	144.0	0.8	—	—	3.7	3.6	5.0	5.0	—	—	—	—	21.8
A 60 3_156.0	156.0	0.8	—	—	3.7	3.6	5.0	5.0	—	—	—	—	21.8
A 60 3_171.5	171.5	0.6	—	—	3.5	3.4	4.7	4.7	—	—	—	—	21.6
A 60 3_185.8	185.8	0.6	—	—	3.5	3.4	4.7	4.7	—	—	—	—	21.6

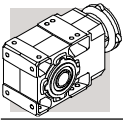
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

A 70

	i	J ($\cdot 10^{-4}$) [kgm ²]											
			 IEC										
			P80	P90	P100	P112	P132	P160	P180	P200	P225	P250	
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	45.0	—	—	—	—	64.0	124	121	161	—	—	87
A 70 3_16.7	16.7	44.0	—	—	—	—	63.0	122	120	129	—	—	85
A 70 3_19.7	19.7	30.0	—	—	—	—	49.0	109	107	—	—	—	72
A 70 3_21.3	21.3	29.0	—	—	—	—	48.0	108	106	—	—	—	71
A 70 3_23.5	23.5	—	—	—	—	—	—	116	114	—	—	—	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	25.7	—	—	—	—	45.0	104	102	111	—	—	67
A 70 3_38.4	38.4	25.4	—	—	—	—	44.0	104	101	111	—	—	67
A 70 3_45.2	45.2	18.3	—	—	—	—	37.0	97	94	—	—	—	59
A 70 3_49.0	49.0	18.2	—	—	—	—	37.0	96	94	—	—	—	59
A 70 3_53.2	53.2	15.0	—	—	—	—	34.0	93	91	—	—	—	56
A 70 3_57.7	57.7	15.0	—	—	—	—	34.0	93	91	—	—	—	56
A 70 3_66.9	66.9	9.7	12.1	12.0	13.3	13.3	28.6	88	86	—	—	—	51
A 70 3_72.5	72.5	9.6	12.0	12.0	13.2	13.2	28.4	88	86	—	—	—	51
A 70 3_79.3	79.3	6.8	9.4	9.3	10.6	10.6	25.7	85	83	—	—	—	48
A 70 3_85.9	85.9	6.7	9.3	9.3	10.5	10.5	25.6	85	83	—	—	—	48
A 70 3_96.2	96.2	5.4	8.2	8.2	9.4	9.4	24.4	84	82	—	—	—	47
A 70 3_104.2	104.2	5.4	8.2	8.1	9.4	9.4	24.3	84	81	—	—	—	47
A 70 3_120.6	120.6	3.4	6.2	6.2	7.5	7.5	22.3	82	79	—	—	—	45
A 70 3_130.7	130.7	3.4	6.2	6.2	7.4	7.4	22.3	82	79	—	—	—	45
A 70 3_141.9	141.9	2.4	5.3	5.2	6.5	6.5	21.3	81	78	—	—	—	44
A 70 3_153.7	153.7	2.4	5.2	5.2	6.5	6.5	21.3	81	78	—	—	—	44

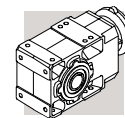
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
A 80

	i	J ($\cdot 10^4$) [kgm ²]											
			IEC										
			P80	P90	P100	P112	P132	P160	P180	P200		P225	
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	69.0	—	—	—	—	88.0	147	145	154	154	440	111
A 80 3_20.9	20.9	66.0	—	—	—	—	85.0	145	142	152	152	437	108
A 80 3_22.6	22.6	—	—	—	—	—	—	—	205	219	219	496	171
A 80 3_24.5	24.5	—	—	—	—	—	—	—	203	217	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	39.0	—	—	—	—	58.0	118	115	125	125	410	81
A 80 3_48.2	48.2	39.0	—	—	—	—	58.0	117	115	124	124	410	90
A 80 3_55.2	55.2	29.3	—	—	—	—	48.0	108	105	136	136	399	70
A 80 3_59.8	59.8	29.0	—	—	—	—	48.0	107	105	136	136	399	70
A 80 3_66.8	66.8	22.2	—	—	—	—	41.0	101	98	128	128	391	63
A 80 3_72.4	72.4	22.0	—	—	—	—	41.0	100	98	128	128	391	63
A 80 3_82.3	82.3	15.0	17.2	17.1	18.4	18.4	34.0	94	91	120	120	384	56
A 80 3_89.2	89.2	15.0	17.1	17.0	18.3	18.3	34.0	93	91	120	120	386	56
A 80 3_96.0	96.0	14.0	16.1	16.1	17.3	17.3	32.0	92	90	119	119	382	55
A 80 3_104.0	104.0	13.4	16.0	16.0	17.2	17.2	32.0	92	89	119	119	382	55
A 80 3_116.0	116.0	9.1	12.0	11.8	13.1	13.1	28.0	87	85	114	114	378	50
A 80 3_125.6	125.6	9.1	11.8	11.8	13.1	13.1	28.0	87	85	—	—	—	50
A 80 3_144.7	144.7	5.4	8.3	8.2	10.0	10.0	24.4	84	82	—	—	—	47
A 80 3_156.8	156.8	—	3.0	2.9	4.2	4.2	19.1	78	76	—	—	—	41

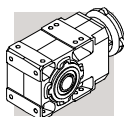
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A 90

	i	J ($\cdot 10^{-4}$) [kgm ²]											
			 IEC										
		P80	P90	P100	P112	P132	P160	P180	P200	P225	P250		
A 90 3_9.7	9.7	—	—	—	—	—	—	597	611	889	518.0	898	
A 90 3_10.5	10.5	—	—	—	—	—	—	575	589	867	496.0	876	
A 90 3_12.6	12.6	—	—	—	—	—	—	402	416	693	323.0	703	
A 90 3_13.7	13.7	—	—	—	—	—	—	389	403	681	310.0	690	
A 90 3_15.6	15.6	—	—	—	—	—	—	306	319	597	227.0	607	
A 90 3_16.9	16.9	—	—	—	—	—	—	297	311	589	218.0	598	
A 90 3_19.4	19.4	149.0	—	—	—	—	236	234	243	527	159.0	530	
A 90 3_21.0	21.0	143.0	—	—	—	—	231	228	238	522	153.0	524	
A 90 3_22.3	22.3	—	—	—	—	—	—	326	340	618	247.0	627	
A 90 3_24.1	24.1	—	—	—	—	—	—	322	336	614	243.0	623	
A 90 3_29.1	29.1	—	—	—	—	—	—	243	257	535	164.0	544	
A 90 3_31.5	31.5	—	—	—	—	—	—	241	254	532	162.0	542	
A 90 3_35.8	35.8	—	—	—	—	—	—	201	215	493	122.0	502	
A 90 3_38.8	38.8	—	—	—	—	—	—	200	213	491	121.0	500	
A 90 3_44.6	44.6	81.0	—	—	—	—	169	166	176	460	91.0	462	
A 90 3_48.3	48.3	80.0	—	—	—	—	168	165	175	459	90.0	461	
A 90 3_55.0	55.0	66.0	—	—	—	85.0	144	142	151	437	68.0	438	
A 90 3_59.6	59.6	66.0	—	—	—	84.0	144	141	151	436	68.0	437	
A 90 3_68.8	68.8	48.0	—	—	—	67.0	126	124	154	418	49.0	416	
A 90 3_74.5	74.5	47.0	—	—	—	66.0	126	123	154	417	49.0	416	
A 90 3_80.4	80.4	43.0	—	—	—	62.0	121	119	149	412	43.0	412	
A 90 3_87.1	87.1	43.0	—	—	—	62.0	121	119	148	412	43.0	412	
A 90 3_98.6	98.6	28.0	30.0	30.0	32.0	32.0	47.0	106	104	134	397	28.1	399
A 90 3_106.8	106.8	28.0	30.0	30.0	31.0	31.0	47.0	106	104	133	397	28.0	399
A 90 3_116.9	116.9	23.0	25.2	25.1	26.4	26.4	41	101	99	128	391	22.6	394
A 90 3_126.7	126.7	22.4	25.0	25.0	26.2	26.2	41	101	98	128	391	22.4	394
A 90 3_139.4	139.4	15.0	17.3	17.2	19.0	19.0	33	93	91	—	—	—	386
A 90 3_151.0	151.0	—	3.0	3.0	4.3	4.3	19.2	79	76	—	—	—	372

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33 - RELACIONES EXACTAS

33 - EXACT RATIOS

33 - EXAKTE ÜBERSETZUNG

33 - RAPPORTS EXACTS

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	20.59420	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	28.22400	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	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	1025.15940
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

