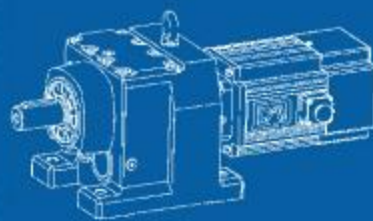




2021版

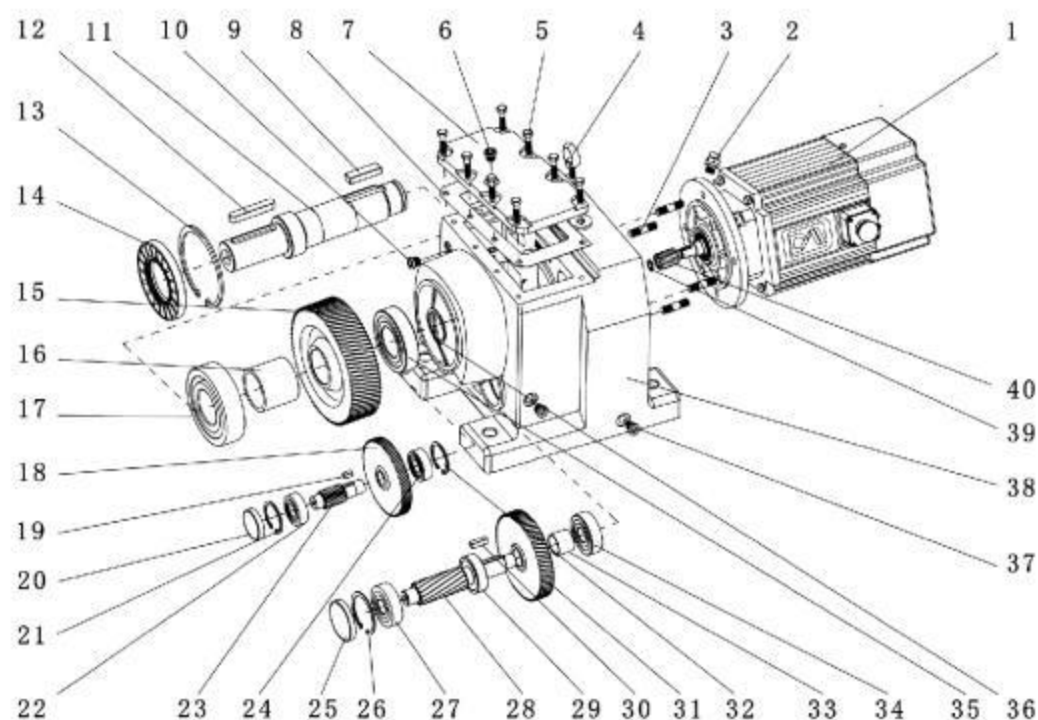


R

R系列斜齿轮减速电机
R SERIES HELICAL
GEARED MOTORS

▽ 我们更专注

2.1 部件分解图 / Spare Parts List

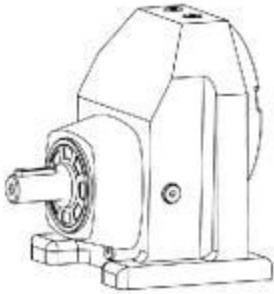
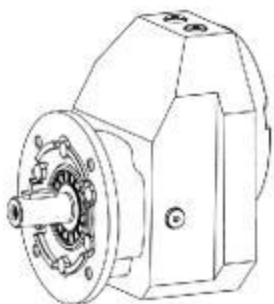
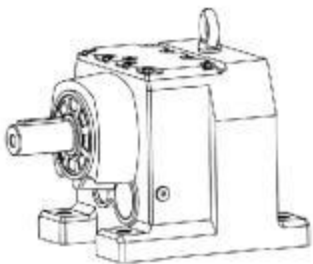
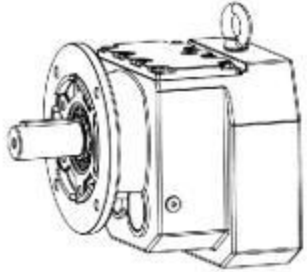
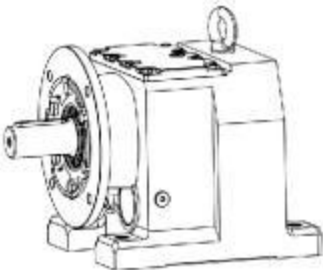


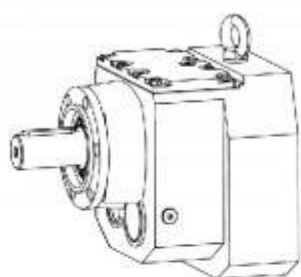
- | | |
|-----------------------------------|-----------------------------------|
| 1 电机/motor | 21 孔用挡圈/retaining rings for bores |
| 2 透气阀/breather valve | 22 轴承/bearing |
| 3 双头螺栓/stud | 23 齿轮轴/gear shaft |
| 4 吊环/lifting eye bolt | 24 轴承/bearing |
| 5 外六角螺钉/six angle screw | 25 平面油封/plane seal |
| 6 油塞/oil level plug | 26 孔用挡圈/retaining rings for bores |
| 7 盖板/cover plate | 27 轴承/bearing |
| 8 纸垫/gasket | 28 齿轮轴/gear shaft |
| 9 平键/flat key | 29 轴承/bearing |
| 10 油塞/oil level plug | 30 平键/flat key |
| 11 输出轴/output shaft | 31 齿轮/gear |
| 12 平键/flat key | 32 孔用挡圈/retaining rings for bores |
| 13 孔用挡圈/retaining rings for bores | 33 轴套/spacer tube |
| 14 骨架油封/skeleton oil seal | 34 轴承/bearing |
| 15 齿轮/gear | 35 轴承/bearing |
| 16 轴套/spacer tube | 36 孔用挡圈/retaining rings for bores |
| 17 轴承/bearing | 37 油塞/oil level plug |
| 18 齿轮/gear | 38 箱体/housing |
| 19 平键/flat key | 39 轴用挡圈/retaining rings for shaft |
| 20 平面油封/plane seal | 40 齿轮/gear |



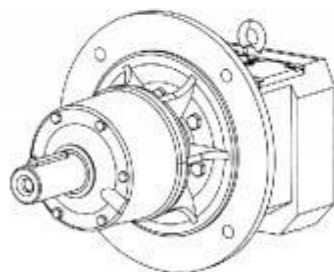
2.2 机型版本 / Versions

2.2.1 基本型式 / Basic Versions

	RX.. 底脚安装单级斜齿轮减速机 Single-stage foot-mounted helical geared unit.
	RXF.. 法兰安装单级斜齿轮减速机 Single-stage flange-mounted helical geared unit.
	R.. 底脚安装斜齿轮减速机 Foot-mounted helical geared unit.
	RF.. 法兰安装斜齿轮减速机 Flange-mounted helical geared unit.
	R..F 底脚法兰安装斜齿轮减速机 Foot and Flange-mounted helical geared unit.

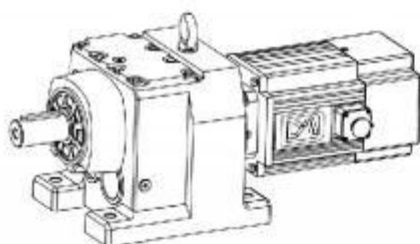


RZ..
B14法兰安装斜齿轮减速机
B14 flange-mounted helical geared unit.

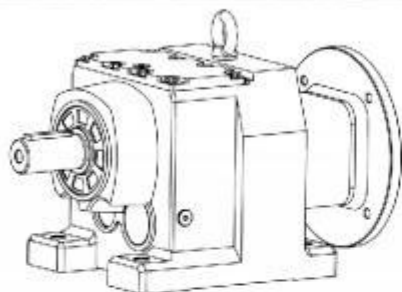


RM..
B5法兰带有加长轴承箱的法兰安装斜齿轮减速机
B5 flange-mounted helical geared motor with extended bearing housing.

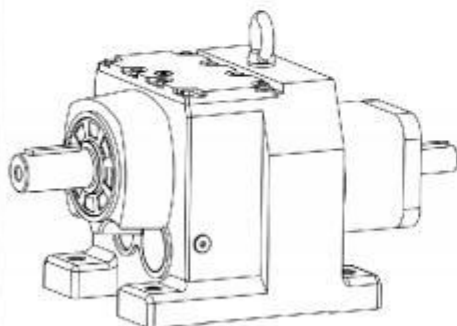
2.2.2 输入型式 / Input Versions



R.. Y..
直联电机输入
Input with geared motors.



R.. AM..
AM(IEC)法兰输入
Input with AM adapters for mounting IEC motors.



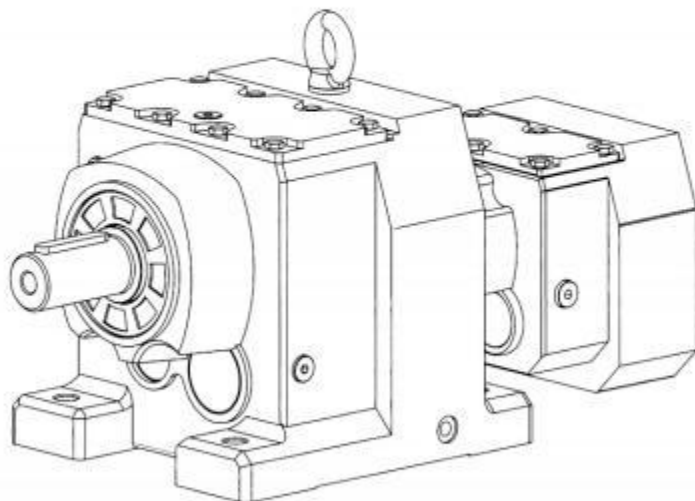
R.. AD..
AD轴输入
Input with AD shaft assembly.



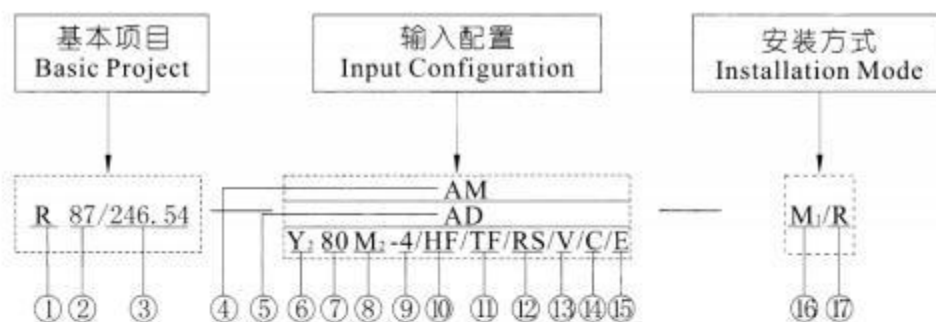
2.2.3 R...与RF...组合 / R...and RF... Combination

当需要特别低速输出时，可选择 RF 齿轮箱作为 R 齿轮箱的输入。

If special low speed is needed, RF.. gearbox can be the input of R.. gearbox.



2.3 产品标注 / Product Code



	标号 NO.	含义 Meaning	说明 Explanation
基本项目 Basic Project	①	系列代号 Series Code	R、RF、RX... (详见2.2.1) R,RF,RX...(see 2.2.1).
	②	机座号 Frame Size	机座号: 37、47、57... Frame Size: 37, 47, 57...
	③	传动比 Transmission Ratio.	传动比 i Transmission Ratio i.
输入配置 Input Configuration	④	法兰输入代号 Flange Input Code.	AM(IEC): 63、71、80...
	⑤	轴输入代号 Shaft Input Code.	AD: 1、2、3...

	标号 NO.	含义 Meaning	说明 Explanation
输入配置 Input Configuration	⑥	电机代号 Motor Code	Y ₂ : 三相异步电动机 Y ₂ : Three Phase Asynchronous Motor. YD: 变极多速三相异步电动机 YD: Variable-pole Multi-speed Three Phase Asynchronous Motor. YS: 小功率三相异步电动机 YS: Small Power Three Phase Asynchronous Motor. YVF ₂ : 变频调速三相异步电动机 YVF ₂ : Variable Frequency Speed Control Three Phase Asynchronous Motor. Y ₂ EJ: 电磁制动三相异步电动机 Y ₂ EJ: Electromagnetic Brake Three Phase Asynchronous Motor. YB2: 隔爆三相异步电动机 YB2: Flame Proof Three Phase Asynchronous Motor.
	⑦	电机机座号 Motor Frame Size.	63、71、80...
	⑧	电机定子铁芯长度代号 Length Code of Stator Core.	M、M ₁ 、M ₂ 、S、S ₁ 、S ₂ 、L、L ₁ 、L ₂
	⑨	电机极数 Pole Number of Motor.	2、4、6、8
	⑩	手动释放装置 Manual Release Device.	无 代 码: 无手动释放装置 No Code: No manual release device. H F: 手动释放装置带自锁功能 H F: Manual release device with self-locking Function. H R: 手动释放装置不带自锁功能 H R: Manual release device without self-Locking function.
	⑪	电机热保护装置 Motor Heat-protection Device.	无 代 码: 无电机热保护装置 No Code: No motor heat-protection device. T F: 电机热保护装置 T F: Motor heat-protection device.
	⑫	逆止器 Backstop	无 代 码: 无逆止器 No Code: No backstop. R S: 逆止器 R S: Backstop.
	⑬	强制冷却风扇 Forced Cooling Fan.	无 代 码: 无强制冷却风扇 No Code: no forced cooling fan. V: 强制冷却风扇 V: Forced cooling fan.



	标号 NO.	含义 Meaning	说明 Explanation
输入配置 Input Configuration	⑭	防雨罩 Cover	无代码: 无风扇防护罩 No Code: No fan cover. C: 防雨罩 C: cover.
	⑮	编码器 Encoder	无代码: 无编码器 No Code: No encoder. E: 编码器 E: Encoder.
安装方式 Mounting Positions	⑯	安装方位 Mounting Position.	M1、M2、M3、M4、M5、M6
	⑰	电机接线盒方位 Position for motor terminal box.	R、B、L、T

说明:

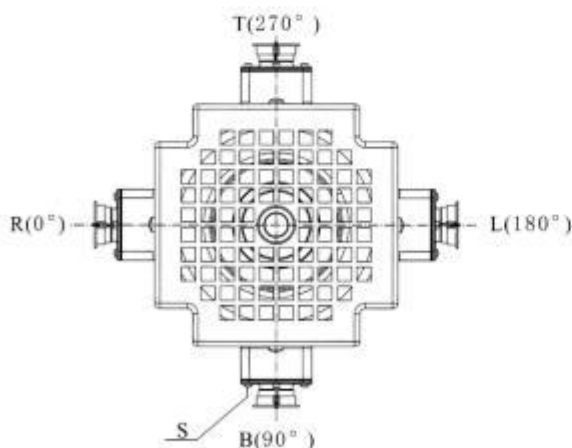
1. 基本项目不可省略;
2. 输入配置中, 只能在 AM、AD 和电机之间选择一种;
3. 安装方式参数若省略, 默认按 M1 安装方位, R 接线盒方位提供。

Notes:

1. Basic project can not be omitted.
2. Input configuration can only be one of AM, AD and motor.
3. If not mounting position, default mounting position will be M1, default position for motor terminal will be R.

2.4 安装方位 / Mounting Positions

2.4.1 电机接线盒方位 / Position of Motor Terminal Box

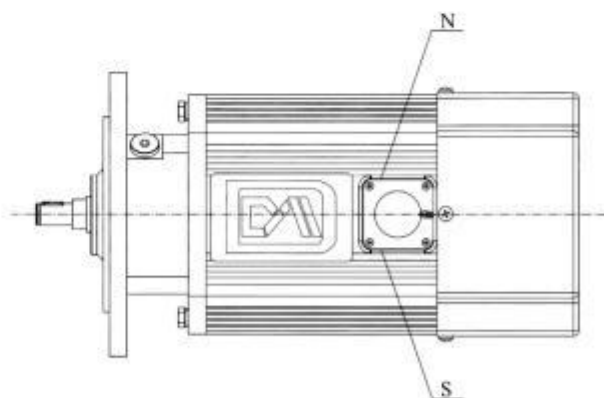


R(0°): 默认接线盒方位

R(0°): Default Position for Motor Terminal Box

注: 图为M1安装方位。

Mark: This picture is the installation position of M1



S: 默认进线方位

S: Default Line Position

说明:

上图的视图方向为：从电机尾部的风罩向前看。

可提供 R (0°)、B (90°)、L (180°)、T (270°) 四种电机接线盒方位。其中 R (0°) 位置是默认方位，如无特别说明，将按默认方位提供。

可提供 S 和 N 两种进线方位，其中 S 位置是默认方位。如无特别说明，将按默认方位提供。

Notes:

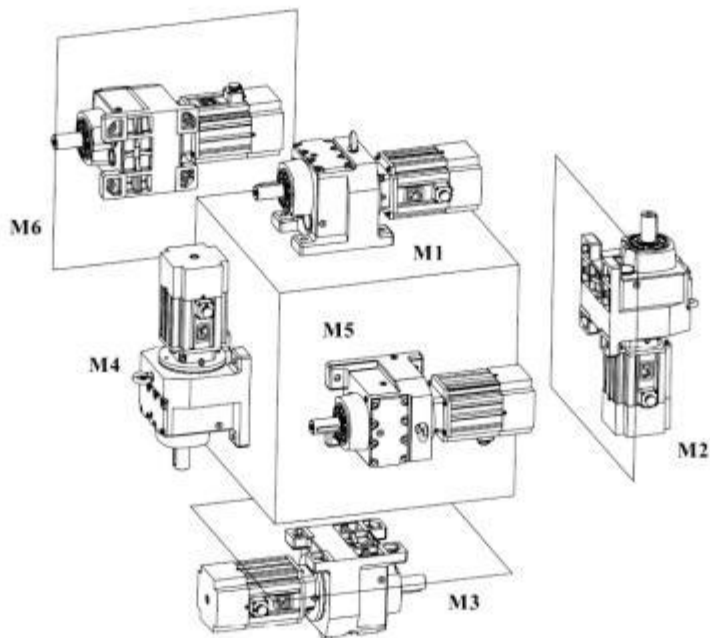
The view direction of above figure: from the fan cover in the end of the motor to look forward.

There will be four position for motor terminal box: R(0°)、B(90°)、L(180°)、T(270°). And default position is R(0°).

There will be two line position: S and N. Default position is S.

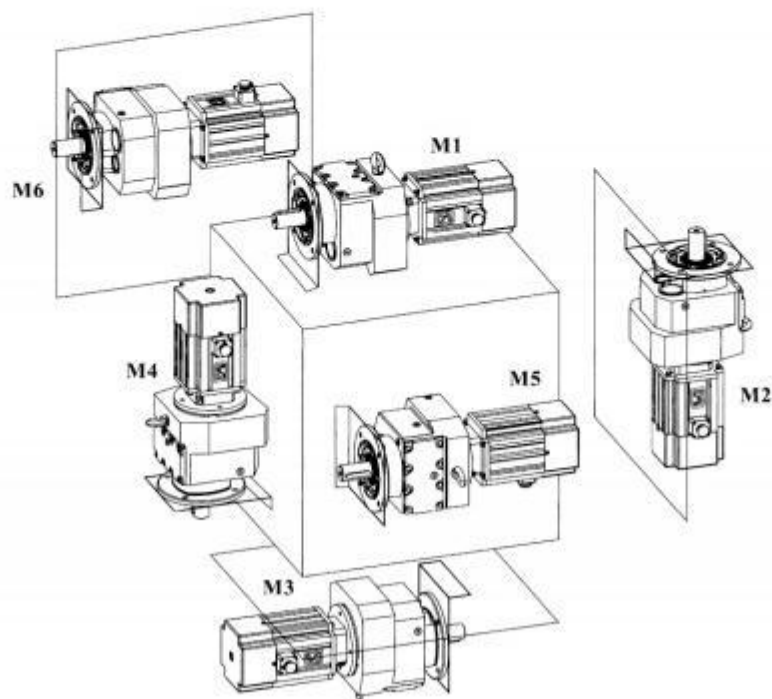
2.4.2 油位符号说明 / Oil Level Symbol Explanation

符号 Symbol	含义	Meaning
	通气帽	BREATHER VALVE
	油标	OIL LEVEL PLUG
	排油塞	OIL DRAIN PLUG

2.4.3 安装位置示意 / Mounting Position Designation**R..安装位置示意图 / R.. Mounting Position Designation**



RF..安装位置示意图 / RF.. Mounting Position Designation



2.4.4 安装方位 / Mounting Positions

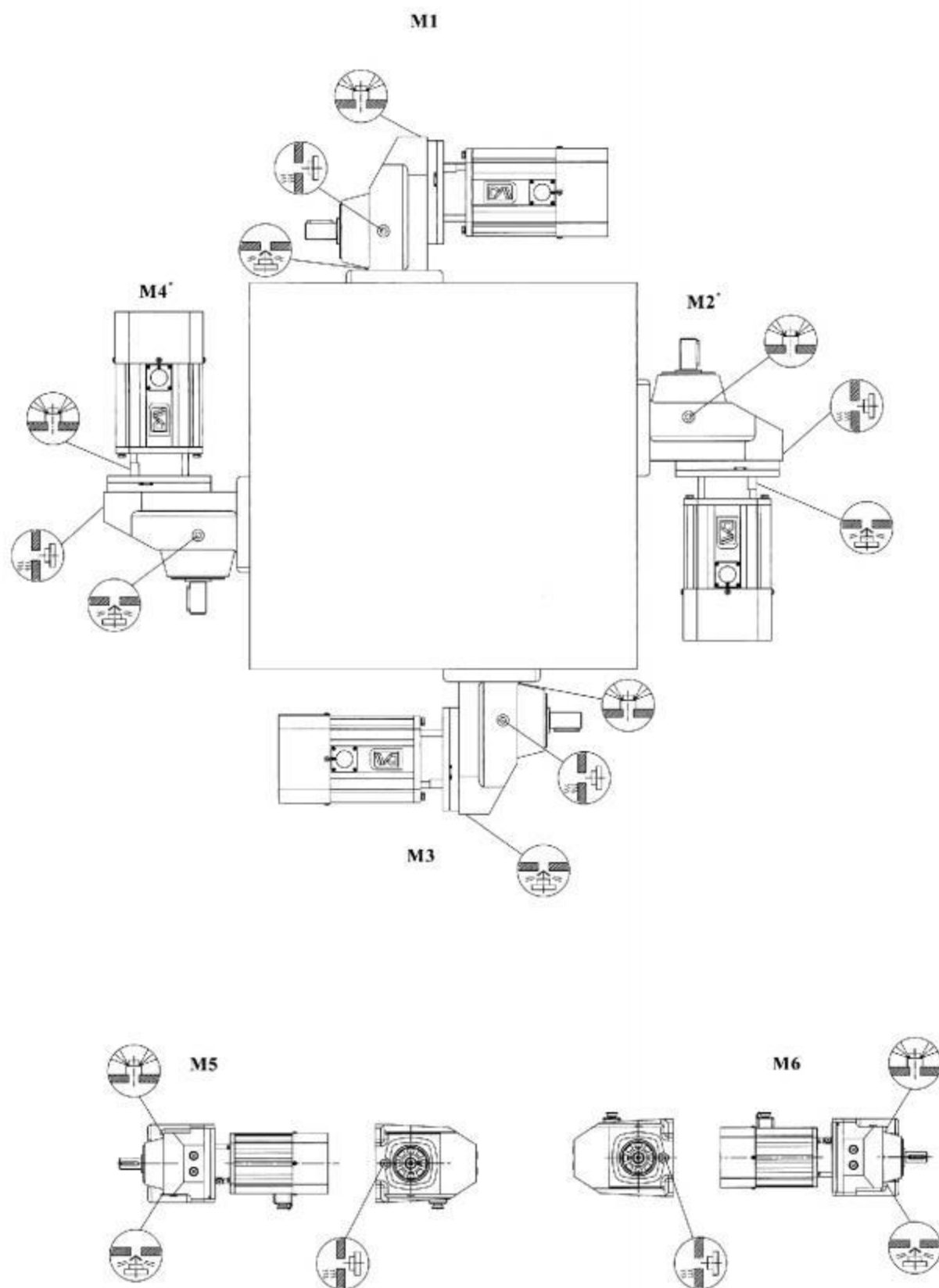
*→提示:

当采用下表列出的安装方式及输入转速时, 齿轮箱会产生不可忽视的搅油损失。请联系本公司。

*→Reminder:

Increased churning losses may arise in the following mounting positions. Contact Greatwall Machinery.

安装方式 Mounting Position	齿轮箱规格 Gear Unit Size	输入转速 Input Speed (r/min)
M2, M4	97,107	>2500
	>107	>1500

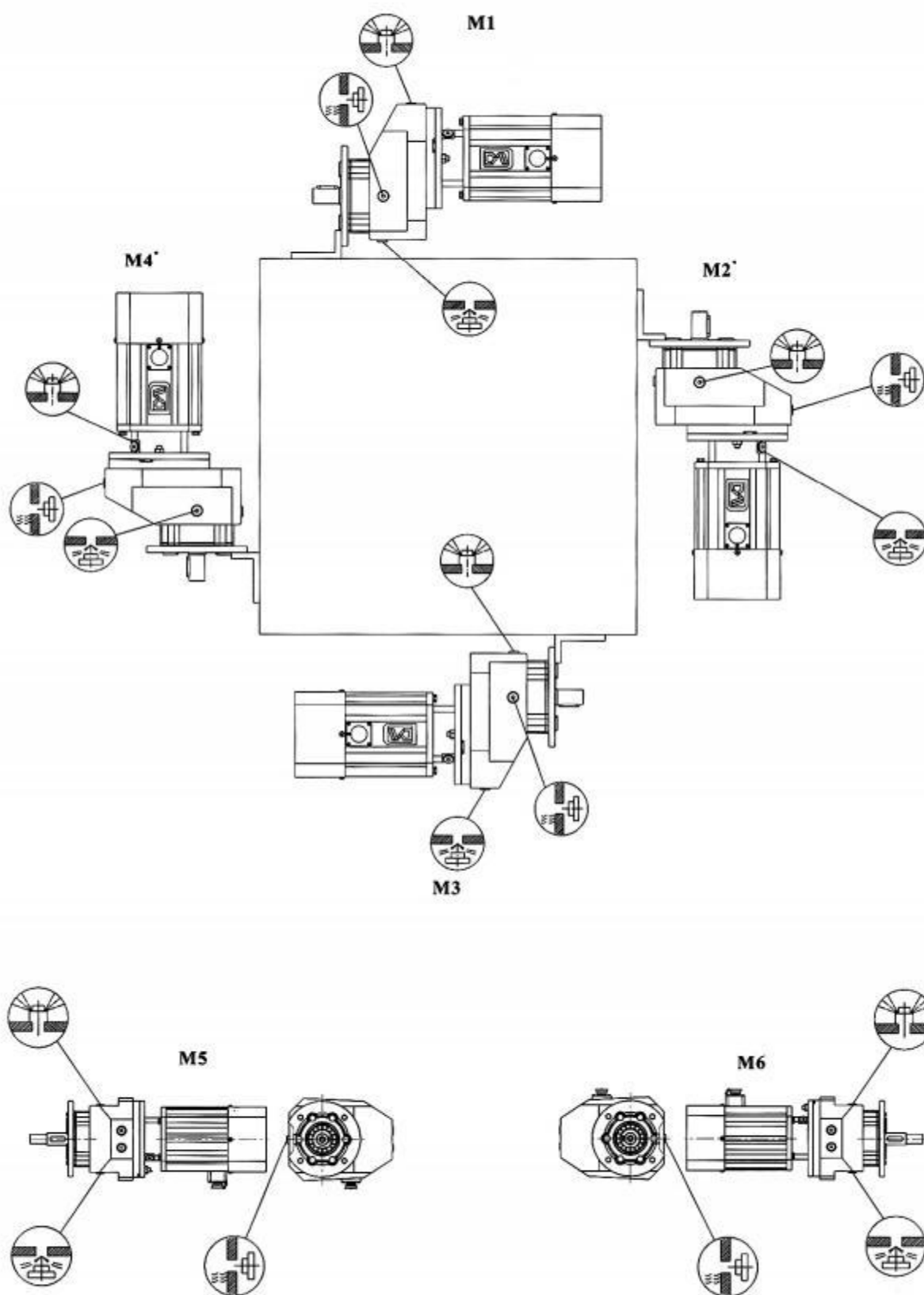


* → page 016

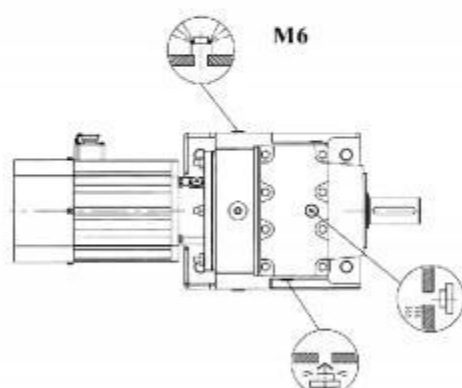
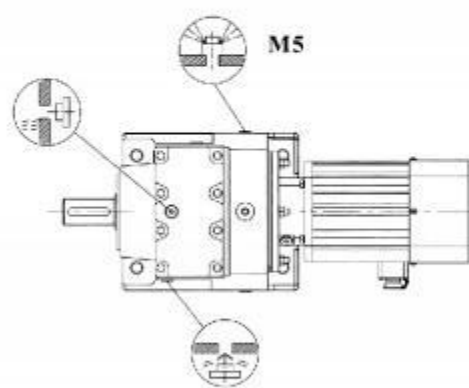
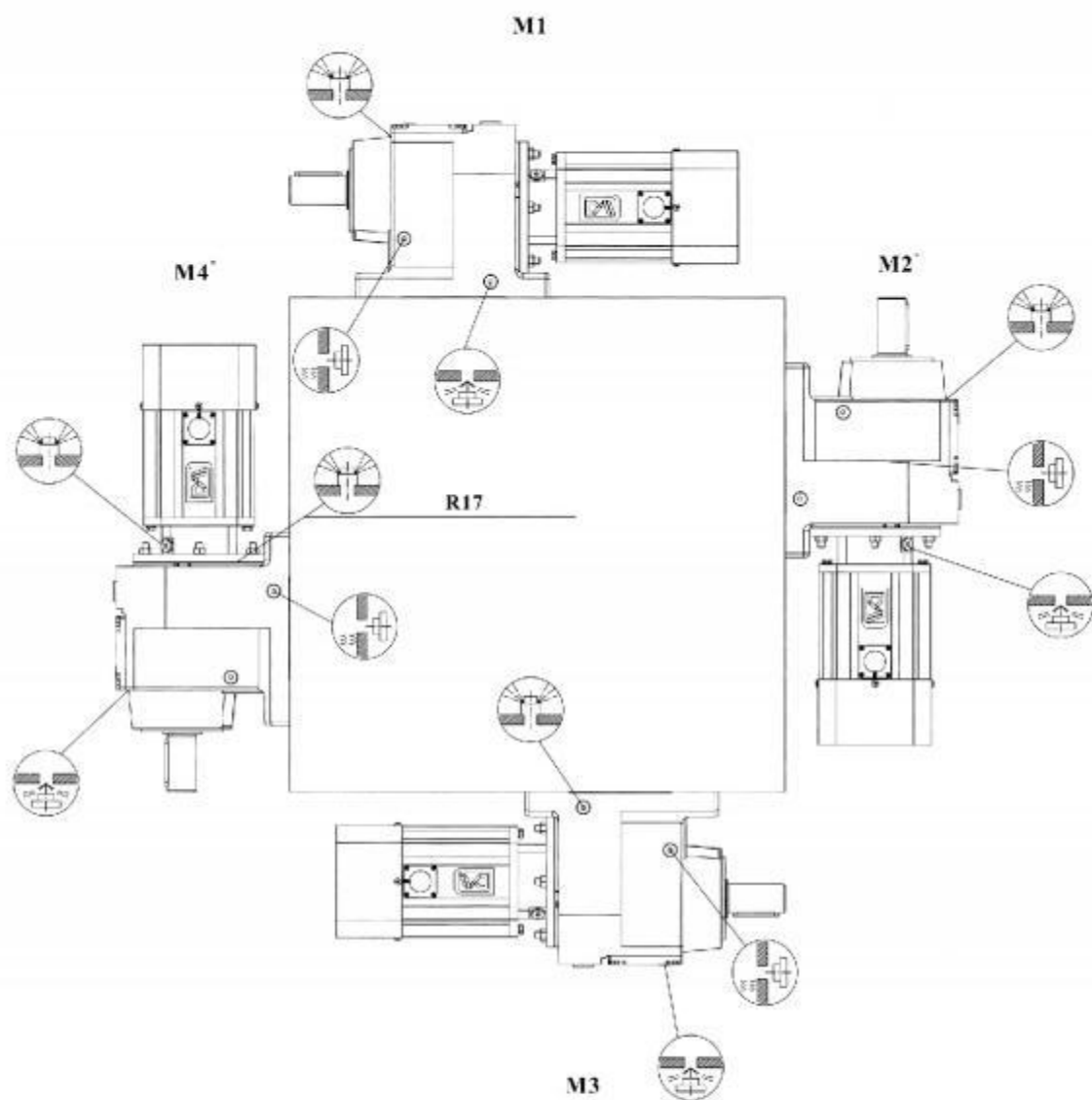


RXF57-RXF107

R



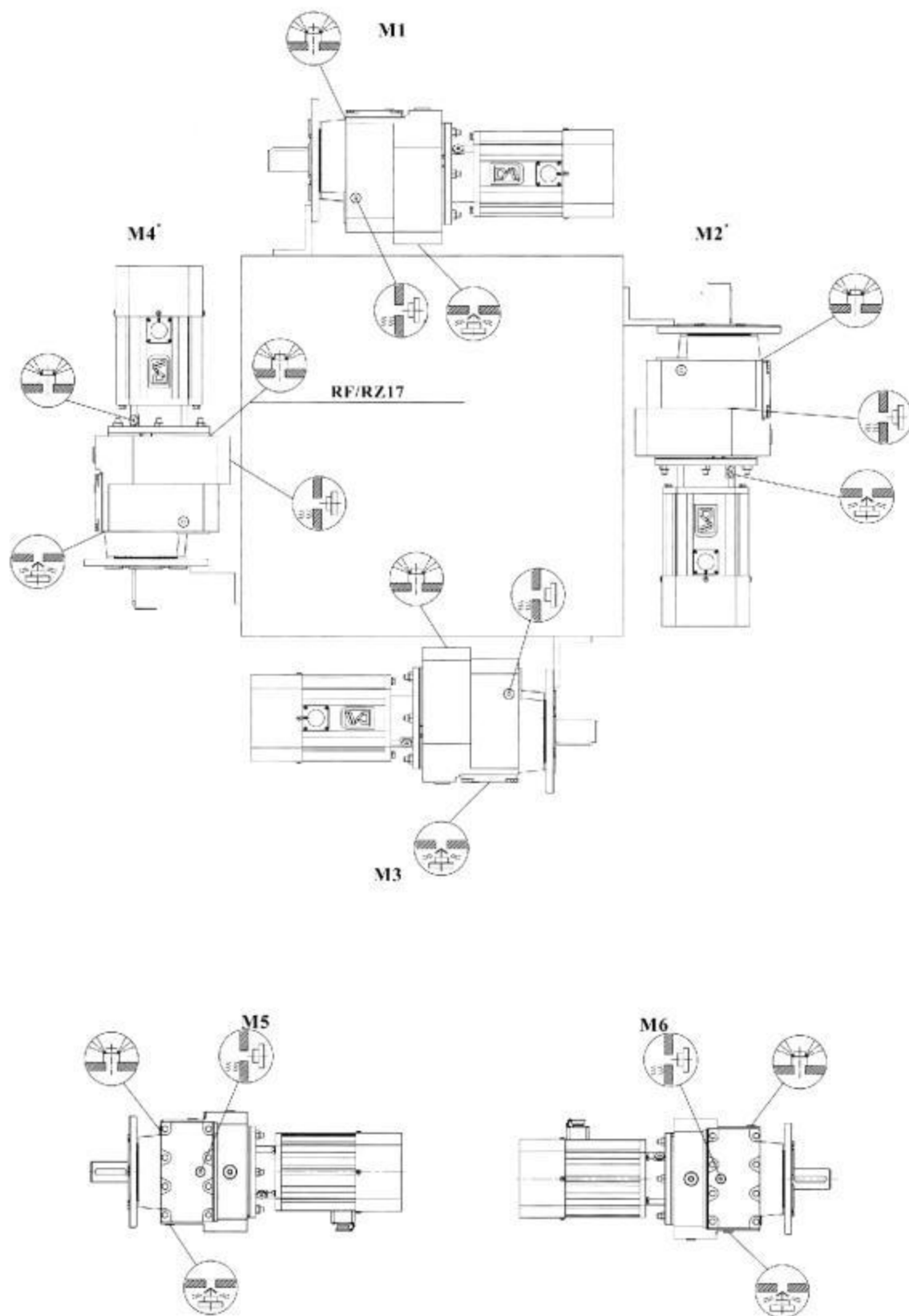
* → page 016



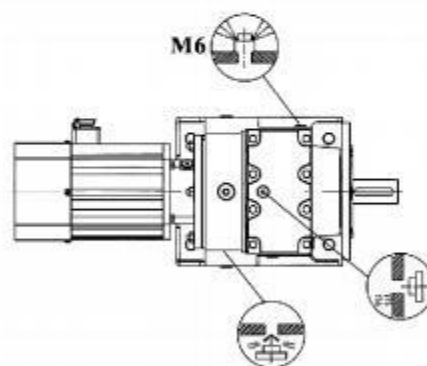
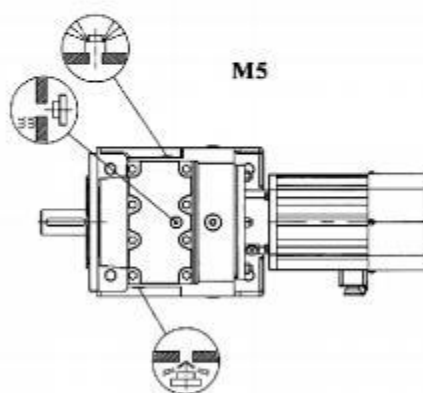
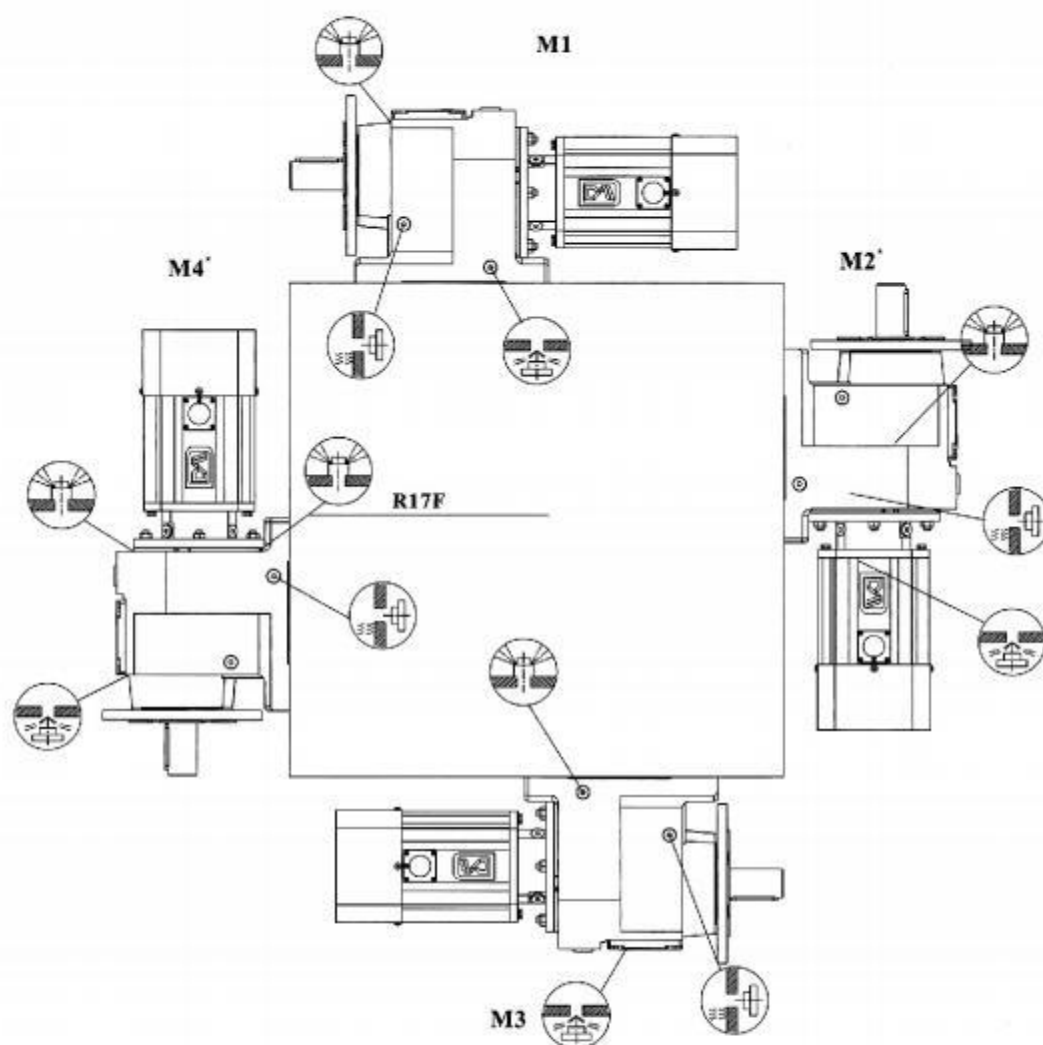


RF17-RF167, RZ17-RZ87

R



* → page 016



* → page 016



2.5 减速器组合表 / Gear Unit Combination Table

为得到特别低的输出转速，可通过 RF 齿轮箱与 R 齿轮箱相连的方式实现。

当采用这种传动方案时，可配置电动机的功率依赖于减速机的极限输出扭矩，而不能通过电动机的额定功率和减速机的总传动比计算得出减速机的输出扭矩。

R series of gear units and RF series of gear units can be connected together to get special output speed.

For this transmission scheme, the power of the motor depends on the limit output torque of the gearbox, instead of the output torque calculated based on rated power of the motor and the transmission ratio of the gear unit.

R..与RF..齿轮箱可能的组合 / Possible Combination of R.. and RF..

	RF17	RF27	RF37	RF47	RF57	RF67	RF77	RF87	RF97	RF107
R..27										
R..37										
R..47										
R..57										
R..67										
R..77										
R..87										
R..97										
R..107										
R..137										
R..147										
R..167										

说明：

- ：表示可能的组合。
- ：表示不允许的组合。

Notes:

- ：Possible Combination.
- ：Impossible Combination.

2. 6 R..功率配置 / R..Power Configuration

RX57 n1=1400 1/min 69Nm									
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
255	39	3100	5.50						
276	36	3030	5.07						
322	68	2640	4.35						
369	69	2480	3.79						
394	69	2420	3.55						
446	65	2320	3.14						
481	67	2170	2.91						
530	69	1810	2.64						
591	69	1500	2.37						
686	69	1070	2.04						
729	69	880	1.92						
848	69	430	1.65						
946	68	112	1.48						
1075	63	132	1.30						
RX67 n1=1400 1/min 134Nm									
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
231	43	4000	6.07						
270	75	3580	5.18						
309	82	3350	4.53						
326	80	3300	4.30						
371	87	3090	3.77						
438	100	2800	3.20						
484	106	2640	2.89						
551	118	2000	2.54						
583	123	1530	2.40						
686	134	230	2.04						
753	126	225	1.86						
870	114	245	1.61						
1000	104	205	1.40						
RX77 n1=1400 1/min 215Nm									
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0
175	57	6330	8.00						
187	53	6200	7.47						
218	103	5600	6.41						
249	110	5300	5.63						
262	103	5240	5.35						
296	123	4900	4.73						
347	143	4500	4.04						
378	153	4290	3.70						

RX77 n1=1400 1/min 215Nm									
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0
431	182	3200	3.25						
455	193	2560	3.08						
519	215	1110	2.70						
576	215	510	2.43						
657	200	435	2.13						
745	187	335	1.88						
838	173	315	1.67						
986	155	315	1.42						
RX87 n1=1400 1/min 405Nm									
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	3.00	4.00	5.5 7.5	11.0 15.0	18.5 22.0	
162	139	7890	8.65						
183	149	7490	7.63						
194	140	7380	7.20						
217	192	6850	6.45						
252	225	6320	5.56						
276	250	5980	5.07						
311	290	5500	4.50						
370	305	5030	3.78						
402	405	2730	3.48						
453	405	1950	3.09						
507	405	1200	2.76						
565	405	470	2.48						
651	385	42	2.15						
725	355	185	1.93						
875	315	74	1.60						
1005	290	74	1.39						
RX97 n1=1400 1/min 595Nm									
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0		
170	225	9560	8.23						
196	260	8950	7.16						
213	300	8500	6.56						
242	420	7630	5.79						
285	395	7220	4.91						
310	595	6180	4.52						
347	595	5380	4.04						
385	595	4530	3.64						
424	595	3730	3.30						
479	595	2810	2.92						
530	595	1980	2.64						
625	595	495	2.24						



RX97 n1=1400 1/min 595Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0		
714	570	19	1.96						
854	505	51	1.64						
986	455	132	1.42						

RX107 n1=1400 1/min 830Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0		
211	460	9700	6.63						
250	455	9080	5.61						
270	695	7850	5.19						
301	695	7450	4.65						
333	830	6420	4.20						
367	830	5550	3.81						
414	830	4490	3.38						
456	830	3600	3.07						
530	830	2160	2.64						
609	830	900	2.30						
718	765	555	1.95						
819	705	480	1.71						
972	645	315	1.44						

R17 n1=1400 1/min 85Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75				
3									
17	85	1770	81.64						
20	85	1770	70.39						
21	85	1770	65.61						
24	85	1770	57.35						
26	85	1770	53.76						
30	85	1770	47.44						
32	85	1770	44.18						
36	85	1770	38.61						
39	85	1770	36.20						
44	85	1770	31.94						
49	85	1770	28.32						
58	85	1650	24.07						
2									
55	85	1680	25.23						
60	85	1620	23.15						
71	85	1500	19.71						
82	85	1400	16.99						
88	85	1350	15.84						
101	85	1270	13.84						
108	85	1230	12.98						
122	81	1180	11.45						

R17 n1=1400 1/min 85Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75				
2									
138	77	1140	10.15						
162	72	1090	8.63						
185	56	1040	7.55						
199	55	1010	7.04						
228	54	950	6.15						
243	53	930	5.76						
275	51	890	5.09						
310	48	870	4.51						
366	45	820	3.83						

R27 n1=1400 1/min 130Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00		
3									
10	130	4230	135.09						
11	130	4230	123.91						
13	130	4230	105.49						
15	130	4230	90.96						
17	130	4230	84.78						
19	130	4230	74.11						
20	130	4180	69.47						
23	130	3980	61.30						
25	130	3840	55.87						
29	130	3630	48.17						
31	130	3530	44.90						
36	130	3350	39.25						
38	130	3260	36.79						
43	130	3100	32.47						
49	130	2950	28.78						
57	130	2760	24.47						
2									
49	130	2940	28.37						
54	130	2840	26.09						
63	130	2660	22.32						
72	130	2510	19.35						
77	130	2440	18.08						
90	130	2290	15.63						
105	130	2140	13.28						
118	129	1980	11.86						
138	122	1890	10.13						
149	122	900	9.41						
172	116	870	8.16						
183	112	900	7.63						
212	106	880	6.59						

R27 n1=1400 1/min 130Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20 3.00		
2									
250	99	880	5.60						
280	95	860	5.00						
328	87	920	4.27						
350	85	900	4.00						
415	79	900	3.37						

R37 n1=1400 1/min 200Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20 3.00		
3									
10.0	200	4940	134.82						
11.0	200	4940	123.66						
13.0	200	4940	105.28						
15.0	200	4940	90.77						
17.0	200	4940	84.61						
19.0	200	4940	73.96						
20.0	200	4940	69.33						
23.0	200	4940	61.18						
25.0	200	4940	55.76						
29.0	200	4940	48.08						
31.0	200	4940	44.81						
36.0	200	4760	39.17						
38.0	200	4540	36.72						
43.0	200	4120	32.40						
49.0	200	3740	28.73						
57.0	200	3240	24.42						
2									
49.0	200	3690	28.32						
54.0	185	3860	26.03						
63.0	200	2970	22.27						
73.0	200	2570	19.31						
78.0	200	2390	18.05						
90.0	200	2010	15.60						
106	190	1880	13.25						
118	183	1810	11.83						
138	170	1820	10.11						
148	167	1760	9.47						
176	156	1720	7.97						
210	144	1000	6.67						
247	142	760	5.67						
277	135	790	5.06						
324	126	820	4.32						
346	122	840	4.05						
411	112	900	3.41						

R47 n1=1400 1/min 300Nm

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 -0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50
3									
7.90	300	5420	176.88						
8.60	300	5420	162.94						
10.0	300	5420	139.99						
11.0	300	5420	121.87						
12.0	300	5420	114.17						
14.0	300	5420	100.86						
15.0	300	5420	93.68						
16.0	300	5420	84.90						
18.0	300	5420	76.23						
20.0	300	5420	68.54						
22.0	300	5420	64.21						
25.0	300	5420	56.73						
27.0	300	5350	52.69						
29.0	300	5140	47.75						
33.0	300	4930	42.87						
38.0	300	4630	36.93						
40.0	300	4520	34.73						
47.0	300	4240	29.88						
52.0	300	4050	26.70						
59.0	300	3840	23.59						
2									
41.0	240	4680	33.79						
45.0	220	4610	31.12						
52.0	300	4050	26.74						
60.0	300	3820	23.28						
64.0	300	3710	21.81						
73.0	295	3530	19.27						
78.0	290	3390	17.89						
86.0	275	3350	16.22						
96.0	265	3230	14.56						
112	250	3080	12.54						
119	245	3020	11.79						
138	230	2880	10.15						
154	220	2780	9.07						
175	205	2690	8.01						
180	163	2720	7.76						
201	159	2620	6.96						
233	156	2470	6.00						
248	155	2410	5.64						
289	150	2280	4.85						
323	146	2190	4.34						
366	144	2080	3.83						

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R57 n1=1400 1/min 450Nm									
n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
3									
7.50	450	7100	186.89						
8.10	450	7100	172.17						
9.50	450	7100	147.92						
11.0	450	7100	128.77						
12.0	450	7100	120.63						
13.0	450	7100	106.58						
14.0	450	7100	98.99						
16.0	450	7100	89.71						
17.0	450	7100	80.55						
20.0	450	7100	69.23						
22.0	450	6980	64.85						
24.0	450	6630	57.29						
26.0	450	6430	53.22						
29.0	450	6170	48.23						
32.0	450	5900	43.30						
38.0	450	5530	37.30						
40.0	450	5390	35.07						
46.0	450	5040	30.18						
52.0	450	4800	26.97						
2									
53.0	450	4750	26.31						
56.0	450	4640	24.99						
64.0	450	4370	21.93						
75.0	450	4050	18.60						
83.0	450	3860	16.79						
95.0	435	3690	14.77						
100	430	3610	13.95						
118	405	3430	11.88						
130	390	3330	10.79						
150	370	3180	9.35						
155	375	2010	9.06						
176	355	2020	7.97						
186	350	1950	7.53						
218	335	1770	6.41						
241	320	1820	5.82						
277	305	1730	5.05						
319	280	1900	4.39						
R67 n1=1400 1/min 600Nm									
n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
3									
7.00	600	7560	199.81						
7.60	600	7560	184.07						
8.90	600	7560	158.14						

R67 n1=1400 1/min 600Nm									
n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
3									
10.0	600	7560	137.67						
11.0	600	7560	128.97						
12.0	600	7560	113.94						
13.0	600	7560	105.83						
15.0	600	7560	95.91						
16.0	600	7560	86.11						
19.0	600	7560	74.17						
20.0	600	7560	69.75						
23.0	600	7560	61.26						
25.0	600	7560	56.89						
27.0	600	7560	51.56						
30.0	600	7560	46.29						
35.0	580	7790	39.88						
37.0	570	7900	37.50						
43.0	540	8210	32.27						
49.0	520	8400	28.83						
2									
50.0	540	8210	28.13						
52.0	540	8210	26.72						
60.0	560	8010	23.44						
70.0	600	7560	19.89						
78.0	590	7330	17.95						
89.0	560	7130	15.79						
94.0	550	6980	14.91						
110	520	6640	12.70						
121	500	6500	11.54						
140	470	6220	10.00						
161	440	5960	8.70						
180	380	5830	7.79						
190	370	5790	7.36						
223	330	5590	6.27						
246	310	5450	5.70						
284	290	5210	4.93						
326	270	5000	4.29						
R77 n1=1400 1/min 820Nm									
n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	0.18 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
3									
7.20	820	9920	195.24						
8.40	820	9920	166.59						
9.60	820	9920	145.67						
10.0	820	9920	138.39						
12.0	820	9920	121.42						

R77 n1=1400 1/min **820Nm**

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.18 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
3									
14.0	820	9920	102.99						
15.0	820	9920	92.97						
17.0	820	9920	81.80						
18.0	820	9920	77.24						
21.0	820	9920	65.77						
24.0	820	9920	57.68						
27.0	820	9920	52.07						
31.0	820	9920	45.81						
32.0	820	9920	43.26						
38.0	820	9920	36.83						
42.0	820	9920	33.47						
48.0	820	9920	29.00						
55.0	780	10100	25.23						

2									
60.0	820	8870	23.37						
65.0	820	8250	21.43						
74.0	780	7980	18.80						
79.0	780	7620	17.82						
90.0	740	7390	15.60						
100	720	7050	14.05						
114	690	6740	12.33						
129	660	6490	10.88						
145	630	6300	9.64						
163	630	4110	8.59						
181	610	3940	7.74						
206	580	3850	6.79						
234	540	3990	5.99						
264	510	3990	5.31						

R77 n1=1400 1/min **820Nm**

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	11.0					
3									
14.0	820	9920	102.99						
15.0	820	9920	92.97						
17.0	820	9920	81.80						
18.0	820	9920	77.24						
21.0	820	9920	65.77						
24.0	820	9920	57.68						
27.0	820	9920	52.07						
31.0	820	9920	45.81						
32.0	820	9920	43.26						
38.0	820	9920	36.83						
42.0	820	9920	33.47						

R77 n1=1400 1/min **820Nm**

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	11.0					
3									
48.0	820	9920	29.00						
55.0	780	10100	25.23						
2									
60.0	820	8870	23.37						
65.0	820	8250	21.43						
74.0	780	7980	18.80						
79.0	780	7620	17.82						
90.0	740	7390	15.60						
100	720	7050	14.05						
114	690	6740	12.33						
129	660	6490	10.88						
145	630	6300	9.64						
163	630	4110	8.59						
181	610	3940	7.74						
206	580	3850	6.79						
234	540	3990	5.99						
264	510	3990	5.31						

R87 n1=1400 1/min **1550Nm**

n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
3									
5.70	1550	16900	246.54						
6.50	1550	16900	216.54						
6.80	1550	16900	205.71						
7.70	1550	16900	181.77						
9.00	1550	16900	155.34						
9.80	1550	16900	142.41						
11.0	1550	16900	124.97						
12.0	1550	16900	118.43						
14.0	1550	16900	103.65						
15.0	1550	16900	93.38						
17.0	1550	16900	81.92						
19.0	1550	16900	72.57						
22.0	1550	15800	63.68						
23.0	1550	15200	60.35						
27.0	1550	13500	52.82						
29.0	1550	16900	47.58						
34.0	1550	16900	41.74						
38.0	1550	16800	36.84						
43.0	1550	16000	32.66						
50.0	1500	15100	27.88						
2									
41.0	1500	9480	34.40						

R SERIES



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R87 n1=1400 1/min 1550Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	0.55 1.10	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50

2									
45.0	1550	7820	31.40						
50.0	1550	15000	27.84						
60.0	1550	13900	23.40						
65.0	1500	13600	21.51						
73.0	1440	13000	19.10						
82.0	1390	12600	17.08						
91.0	1340	12100	15.35						
105	1280	11600	13.33						
117	1230	11200	11.93						
141	1180	10400	9.90						
153	1210	10500	9.14						
170	1160	10200	8.22						
196	1070	9780	7.13						
219	1020	9450	6.39						
264	910	8980	5.30						

R87 n1=1400 1/min 1550Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0				

3									
5.70	1550	16900	246.54						
6.50	1550	16900	216.54						
6.80	1550	16900	205.71						
7.70	1550	16900	181.77						
9.00	1550	16900	155.34						
9.80	1550	16900	142.41						
11.0	1550	16900	124.97						
12.0	1550	16900	118.43						
14.0	1550	16900	103.65						
15.0	1550	16900	93.38						
17.0	1550	16900	81.92						
19.0	1550	16900	72.57						
22.0	1550	15800	63.68						
23.0	1550	15200	60.35						
27.0	1550	13500	52.82						
29.0	1550	16900	47.58						
34.0	1550	16900	41.74						
38.0	1550	16800	36.84						
43.0	1550	16000	32.66						
50.0	1550	15100	27.88						

2									
41.0	1550	9480	34.40						
45.0	1550	7820	31.40						
50.0	1550	15000	27.84						

R87 n1=1400 1/min 1550Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0				

2									
60.0	1550	13900	23.40						
65.0	1500	13600	21.51						
73.0	1440	13000	19.10						
82.0	1390	12600	17.08						
91.0	1340	12100	15.35						
105	1280	11600	13.33						
117	1230	11200	11.93						
141	1180	10400	9.90						
153	1210	10500	9.14						
170	1160	10200	8.22						
196	1070	9780	7.13						
219	1020	9450	6.39						
264	910	8980	5.30						

R97 n1=1400 1/min 3000Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	0.55 1.10	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50

3									
4.80	3000	19800	289.74						
5.50	3000	19800	255.71						
5.80	3000	19800	241.25						
6.50	3000	19800	216.28						
7.50	3000	19800	186.30						
8.20	3000	19800	170.02						
9.30	3000	19800	150.78						
11.0	3000	19800	126.75						
12.0	3000	19800	116.48						
14.0	3000	19800	103.44						
15.0	3000	19800	92.48						
17.0	3000	19800	83.15						
19.0	3000	18000	72.17						
21.0	3000	19800	65.21						
23.0	3000	19800	59.92						
26.0	3000	19800	53.21						
29.0	3000	19800	47.58						
33.0	3000	19800	42.78						
38.0	3000	18600	37.13						
42.0	2890	17900	33.25						
51.0	2670	16900	27.58						

2									
44.0	2560	10600	32.05						
51.0	2560	8380	27.19						
56.0	2830	15900	25.03						
63.0	2720	15300	22.37						

R97 n1=1400 1/min 3000Nm

n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	0.55 1.10	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
2									
70.0	2610	14800	20.14						
77.0	2500	14400	18.24						
87.0	2400	13800	16.17						
96.0	2300	13400	14.62						
113	2190	12700	12.39						
129	2090	12100	10.83						
151	2030	12200	9.29						
167	2030	11700	8.39						
197	2000	10900	7.12						
225	1890	10500	6.21						
269	1780	9850	5.20						
311	1630	9500	4.50						

R97 n1=1400 1/min 3000Nm

n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0	30.0 37.0			
3									
4.80	3000	19800	289.74						
5.50	3000	19800	255.71						
5.80	3000	19800	241.25						
6.50	3000	19800	216.28						
7.50	3000	19800	186.30						
8.20	3000	19800	170.02						
9.30	3000	19800	150.78						
11.0	3000	19800	126.75						
12.0	3000	19800	116.48						
14.0	3000	19800	103.44						
15.0	3000	19800	92.48						
17.0	3000	19800	83.15						
19.0	3000	18000	72.17						
21.0	3000	19800	65.21						
23.0	3000	19800	59.92						
26.0	3000	19800	53.21						
29.0	3000	19800	47.58						
33.0	3000	19800	42.78						
38.0	3000	18600	37.13						
42.0	2890	17900	33.25						
51.0	2670	16900	27.58						
2									
44.0	2560	10600	32.05						
51.0	2560	8380	27.19						
56.0	2830	15900	25.03						

R97 n1=1400 1/min 3000Nm

n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0	30.0 37.0			
2									
63.0	2720	15300	22.37						
70.0	2610	14800	20.14						
77.0	2500	14400	18.24						
87.0	2400	13800	16.17						
96.0	2300	13400	14.62						
113	2190	12700	12.39						
129	2090	12100	10.83						
151	2030	12200	9.29						
167	2030	11700	8.39						
197	2000	10900	7.12						
225	1890	10500	6.21						
269	1780	9850	5.20						
311	1630	9500	4.50						

R107 n1=1400 1/min 4300Nm

n ₂ [1/min]	M _{max} [Nm]	Fr [N]	i	1.50 ~3.00	4.00	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0
3									
5.60	4300	29500	251.15						
6.10	4300	29500	229.95						
6.90	4300	29500	203.16						
8.10	4300	29500	172.34						
8.80	4300	29500	158.68						
9.90	4300	29500	141.83						
11.0	4300	29500	127.68						
12.0	4300	29500	115.63						
14.0	4300	29500	102.53						
15.0	4300	29500	92.70						
18.0	4300	29500	78.57						
19.0	4300	29500	72.88						
21.0	4300	29200	65.60						
24.0	4300	28000	59.41						
27.0	4300	26600	52.68						
29.0	4300	25500	47.63						
35.0	4300	23800	40.37						
40.0	4300	22400	35.26						
47.0	4300	20700	29.49						
2									
45.0	4300	21100	30.77						
51.0	4300	20100	27.58						
56.0	4300	19200	24.90						
62.0	4300	18300	22.62						
70.0	4300	17300	20.07						
77.0	4300	16600	18.21						
89.0	4300	15400	15.65						
102	4300	14400	13.66						
121	4300	13300	11.59						
138	4300	12400	10.13						
164	4300	11300	8.56						
178	2970	13800	7.86						

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R107 n1=1400 1/min 4300Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	1.50 ~3.00	4.00	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0
210	2970	12800	6.66						
241	2970	12100	5.82						
285	2900	11300	4.92						
R137 n1=1400 1/min 8000Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	
3									
6.30	8000	53400	222.60						
7.40	8000	53400	188.45						
8.00	8000	53400	174.40						
9.00	8000	53400	156.31						
9.90	8000	53400	141.12						
11.0	8000	53400	128.18						
12.0	8000	53400	113.72						
14.0	8000	53400	103.20						
16.0	8000	53400	88.70						
17.0	8000	53400	80.91						
19.0	8000	53400	73.49						
21.0	8000	53400	65.20						
24.0	8000	53400	59.17						
28.0	8000	53400	50.86						
32.0	8000	53400	44.39						
37.0	8000	53400	37.65						
43.0	8000	53400	32.91						
50.0	7680	54100	27.83						
2									
47.0	7780	53900	29.57						
58.0	8000	49400	24.12						
64.0	8000	47100	22.00						
74.0	8000	43500	19.04						
83.0	8000	40600	16.80						
96.0	8000	37300	14.51						
109	8000	34700	12.83						
130	8000	31100	10.79						
161	7840	27600	8.71						
184	5110	39000	7.59						
219	5110	35900	6.38						
272	4600	34500	5.15						
R147 n1=1400 1/min 13000Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	5.50 ~15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0		
3									
8.60	13000	62700	163.31						
9.50	13000	62700	146.91						
12.0	13000	62700	119.86						
13.0	13000	62700	109.31						
15.0	13000	62700	94.60						

R147 n1=1400 1/min 13000Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	5.50 ~15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0		
3									
17.0	13000	62700	83.47						
19.0	13000	62700	72.09						
21.0	13000	62700	66.99						
23.0	13000	62700	61.09						
26.0	13000	62700	52.87						
30.0	13000	62700	46.65						
35.0	13000	62700	40.29						
39.0	13000	62700	35.64						
47.0	13000	62700	29.95						
58.0	11900	64700	24.19						
2									
68.0	12000	64600	20.44						
78.0	10500	67000	18.04						
90.0	13000	62700	15.64						
101	12600	63400	13.91						
117	13000	60400	11.99						
144	13000	54400	9.74						
169	13000	49900	8.26						
193	8670	58400	7.25						
238	8670	53200	5.89						
280	8670	49300	5.00						
R167 n1=1400 1/min 18000Nm									
n2 [1/min]	M2max [Nm]	Fr [N]	i	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	110 132	
3									
6.10	18000	120000	229.71						
7.50	18000	120000	186.93						
9.10	18000	120000	153.07						
10.0	18000	120000	139.98						
11.0	18000	120000	121.81						
13.0	18000	120000	107.49						
15.0	18000	120000	93.19						
17.0	18000	120000	82.91						
19.0	18000	120000	73.70						
21.0	18000	120000	67.40						
24.0	18000	120000	58.65						
27.0	18000	120000	51.76						
31.0	18000	120000	44.87						
35.0	18000	120000	39.92						
41.0	18000	120000	34.41						
50.0	18000	120000	27.96						
59.0	18000	116500	23.71						
2									
30.0	7000	120000	46.00						
37.0	9000	120000	37.74						
46.0	10000	120000	30.71						
57.0	14000	120000	24.57						
64.0	13000	120000	21.85						
74.0	16000	111400	19.03						
82.0	15000	108900	16.98						
97.0	18000	93800	14.48						
117	17000	88700	11.99						
137	17000	82500	10.24						

2. 7 R..性能参数 / R.. Performance Parameters

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.12kw						
0.06	13300	21342	62000	1.00	R 147 RF77 RF 147 RF77	Y..63M ₁ -4 AM63 AD2
0.08	11300	18210	65700	1.15		
0.09	9920	15923	67900	1.30		
0.10	8770	14075	69400	1.50		
0.11	7640	12344	70700	1.70	R 147 RF77 RF 147 RF77	Y..63M ₁ -4 AM63 AD2
0.12	6730	11143	71600	1.95		
0.14	6030	9743	72200	2.20		
0.16	4830	8443	73100	2.70		
0.19	4180	7307	73400	3.10		
0.21	3690	6447	73700	3.50		
0.25	3180	5568	73900	4.10		
0.11	8050	12921	53300	1.00	R 137 RF77 RF 137 RF77	Y..63M ₁ -4 AM63 AD2
0.12	7250	11712	54900	1.10		
0.13	6390	10573	56400	1.25		
0.16	5020	8784	58400	1.60		
0.18	4090	7479	59400	1.95		
0.21	4060	6559	59400	1.95		
0.24	3190	5834	60200	2.50	R 107 RF77 RF 107 RF77	Y..63M ₁ -4 AM63 AD2
0.27	3160	5116	60200	2.50		
0.18	4410	7583	28800	0.95		
0.20	3690	6743	32400	1.15		
0.23	3660	5914	32500	1.15		
0.27	2820	5168	35500	1.50		
0.31	2530	4435	36100	1.70	R 107 RF77 RF 107 RF77	Y..63M ₁ -4 AM63 AD2
0.35	2260	3896	36500	1.90		
0.45	1880	3039	36900	2.30		
0.35	2470	3918	36200	1.75		
0.41	2100	3343	36700	2.00		
0.45	1910	3034	36900	2.20		
0.52	1670	2653	37100	2.60	R 97 RF57 RF 97 RF57	Y..63M ₁ -4 AM63 AD2
0.61	1430	2280	37300	3.00		
0.67	1290	2067	37400	3.30		
0.30	3050	4559	17700	1.00		
0.34	2560	4004	23700	1.15		
0.40	2270	3481	25200	1.30		
0.29	3230	4678	4840	0.95	R 97 RF57 RF 97 RF57	Y..63M ₁ -4 AM63 AD2
0.32	2980	4309	20400	1.00		
0.37	2560	3702	23700	1.15		
0.46	2080	3019	26100	1.45		
0.52	1800	2668	27100	1.65		
0.61	1480	2245	27700	2.00		
0.68	1300	2016	27900	2.30	R 97 RF57 RF 97 RF57	Y..63M ₁ -4 AM63 AD2
0.80	1190	1733	28000	2.50		
0.45	2120	3065	25900	1.40		
0.51	1880	2722	26800	1.60		
0.60	1590	2311	27500	1.90		
0.66	1430	2078	27700	2.10		
0.76	1230	1823	28000	2.40	R 57 RF37 RF 57 RF37	Y..63M ₁ -4 AM63 AD2
0.87	1070	1583	28200	2.80		
0.99	900	1396	28300	3.30		
1.10	770	1228	28400	3.90		

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.12kw						
0.48	1760	2873	15200	0.90	R 87 RF57 RF 87 RF57	Y..63M ₁ -4 AM63 AD2
0.70	1300	1961	18500	1.20		
0.53	1780	2595	15000	0.85	R 87 RF57 RF 87 RF57	Y..63M ₁ -4 AM63 AD2
0.65	1430	2129	17700	1.10		
0.72	1270	1930	18600	1.20		
0.80	1120	1733	19300	1.40		
0.79	1140	1737	19200	1.35	R 87 RF57 RF 87 RF57	Y..63M ₁ -4 AM63 AD2
0.91	1000	1524	19800	1.55		
1.60	580	885	20000	2.60		
1.80	510	776	20000	3.00		
2.00	450	685	20000	3.40	R 87 RF57 RF 87 RF57	Y..63M ₁ -4 AM63 AD2
1.10	810	1303	20000	1.90		
1.20	710	1143	20000	2.20		
2.30	360	599	20000	4.30		
1.10	930	1303	8660	0.85	R 77 RF37 RF 77 RF37	Y..63M ₁ -4 AM63 AD1
1.20	795	1124	10100	1.05		
1.30	740	1047	10600	1.10	R 77 RF37 RF 77 RF37	Y..63M ₁ -4 AM63 AD2
1.50	635	915	11300	1.30		
1.10	820	1218	9910	1.00	R 77 RF37 RF 77 RF37	Y..63M ₁ -4 AM63 AD2
1.30	740	1084	10600	1.10		
1.50	660	940	11200	1.25	R 77 RF37 RF 77 RF37	Y..63M ₁ -4 AM63 AD2
1.70	520	821	12000	1.55		
1.90	475	731	12200	1.70		
2.10	455	646	12300	1.80		
2.60	375	520	12600	2.20	R 77 RF37 RF 77 RF37	Y..63M ₁ -4 AM63 AD2
3.10	320	451	12700	2.50		
3.30	300	422	12800	2.70		
3.80	255	365	12900	3.20		
1.60	625	891	7190	0.95	R 67 RF37 RF 67 RF37	Y..63M ₁ -4 AM63 AD2
1.90	505	730	8530	1.20		
2.10	440	644	9060	1.35		
2.40	385	571	9430	1.55		
2.80	320	486	9790	1.85	R 67 RF37 RF 67 RF37	Y..63M ₁ -4 AM63 AD2
1.60	590	836	7670	1.00		
1.80	490	750	8630	1.20		
2.10	440	646	9050	1.35		
2.40	400	574	9330	1.50		
2.80	345	495	9660	1.75		
3.20	285	438	9940	2.10	R 57 RF37 RF 57 RF37	Y..63M ₁ -4 AM63 AD2
1.80	550	782	4650	0.80		
2.00	455	678	7070	1.00		
2.30	410	604	7260	1.10		
2.60	370	537	7400	1.20		

R SERIES



n_1 [1/min]	M_1 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =0.12kw							
2.90	325	471	7550	1.35	R RF	57 RF37	Y..63M ₁ -4
3.90	240	357	7760	1.85		57 RF37	AM63
4.30	215	319	7820	2.10			AD2
3.80	255	359	7730	1.75	R RF	57 RF37	Y..63M ₁ -4
4.30	230	324	7790	1.95			AM63
4.80	200	290	7840	2.20			AD2
5.30	185	262	7880	2.40			
5.60	170	246	7900	2.60			
6.30	150	220	7930	3.00			
2.70	340	510	4360	0.85	R RF	47 RF37	Y..63M ₁ -4
3.20	285	436	5480	1.05			AM63
3.40	265	408	5590	1.10			AD2
4.00	215	344	5780	1.35			
2.80	365	502	3020	0.80	R RF	47 RF37	Y..63M ₁ -4
3.20	310	429	5350	0.95			AM63
3.70	265	372	5580	1.10			AD2
4.00	245	348	5670	1.20			
4.60	210	301	5810	1.40			
5.40	177	255	5920	1.70			
6.00	156	228	5980	1.95			
7.10	130	195	6040	2.30			
6.90	166	199.81	10300	3.60	R RF	67	Y..63M ₁ -4
7.50	153	184.07	10400	3.90		67	AM63 AD2
7.40	155	186.89	7920	2.90	R RF	57	Y..63M ₁ -4
8.00	143	172.17	7940	3.20			AM63
9.30	123	147.92	7960	3.70			AD2
11.0	107	128.77	7980	4.20			
7.80	147	176.88	6000	2.00	R RF	47	Y..63M ₁ -4
8.50	135	162.94	6030	2.20			AM63
9.90	116	139.99	6070	2.60			AD2
11.0	101	121.87	6100	3.00			
12.0	95	114.17	6100	3.20			
14.0	84	100.86	6120	3.60			
15.0	78	93.68	6130	3.90	R RF	37	Y..63M ₁ -4
10.0	112	134.82	5750	1.80			AM63
11.0	103	123.66	5800	1.95			AD1
13.0	87	105.28	5880	2.30			
15.0	75	90.77	5930	2.60			
16.0	70	84.61	5950	2.80			
19.0	61	73.96	5980	3.30	R RF	27	Y..63M ₁ -4
10.0	112	135.09	4310	1.15			AM63
11.0	103	123.91	4340	1.25			AD1
13.0	88	105.49	4390	1.50			
15.0	76	90.96	4420	1.70			
16.0	70	84.78	4440	1.85			
19.0	62	74.11	4460	2.10			
20.0	58	69.47	4460	2.20			
23.0	51	61.30	4400	2.60			
25.0	46	55.87	4280	2.80			
29.0	40	48.17	4090	3.20			
31.0	37	44.90	4000	3.50			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =0.12kw							
17.0	68	81.64	2500	1.25	R RF	17	Y..63M ₁ -4 AM63 AD2
20.0	58	70.39	2500	1.45			
21.0	54	65.61	2500	1.55			
24.0	48	57.35	2500	1.80			
26.0	45	53.76	2500	1.90			
29.0	39	47.44	2500	2.20			
31.0	37	44.18	2500	2.30			
36.0	32	38.61	2430	2.60			
38.0	30	36.20	2390	2.80			
43.0	26	31.94	2310	3.20			
49.0	24	28.32	2230	3.60			
57.0	20	24.07	2130	4.20			
227	5	6.07	4260	8.60	RX RXF	67	Y..63M ₁ -4 AM63 AD2
267	4.3	5.18	4050	17.0			
305	3.8	4.53	3870	22.0			
321	3.6	4.30	3810	22.0			
251	4.6	5.50	3360	8.50	RX RXF	57	Y..63M ₁ -4 AM63 AD2
272	4.2	5.07	3270	8.60			
317	3.6	4.35	3120	19.0			
364	3.1	3.79	2980	22.0			
389	2.9	3.55	2910	24.0	RX RXF	57	Y..63M ₁ -4 AM63 AD2
440	2.6	3.14	2800	25.0			
474	2.4	2.91	2730	28.0			
523	2.2	2.64	2640	31.0			
582	2	2.37	2550	34.0	RX RXF	57	Y..63M ₁ -4 AM63 AD3
676	1.7	2.04	2430	41.0			
719	1.6	1.92	2380	43.0			
835	1.4	1.65	2260	49.0			
P ₁ =0.18kw							
0.09	14900	14075	50900	0.85	R RF	147 RF77	Y..63M ₁ -4 AM63 AD2
0.11	13000	12344	62500	1.00			
0.12	11600	11143	65200	1.10			
0.14	10300	9743	67300	1.25			
0.16	8550	8443	69700	1.50	R RF	147 RF77	Y..63M ₁ -4 AM63 AD2
0.18	7400	7307	70900	1.75			
0.20	6530	6447	71800	2.00			
0.24	5640	5568	72500	2.30			
0.27	5140	4926	72800	2.50			
0.31	4420	4325	73300	2.90			
0.35	3920	3754	73600	3.30			
0.40	3370	3302	73800	3.80	R RF	147 RF77	Y..63M ₁ -4 AM63 AD2
0.28	5060	4709	58300	1.60	R RF	137 RF77	Y..63M ₁ -4 AM63 AD2
0.33	4320	4018	59200	1.85			
0.38	3770	3514	59700	2.10			
0.40	3580	3338	59900	2.20			
0.45	3140	2929	60200	2.50			
0.15	8900	8784	50100	0.90	R RF	137 RF77	Y..63M ₁ -4 AM63 AD2
0.18	7390	7479	54600	1.10			
0.20	6950	6559	55500	1.15			

n [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.18kw						
0.23	5760	5834	57400	1.40	R 137 RF77	Y..63M ₂ -4 AM63 AD2
0.26	5420	5116	57900	1.50	RF 137 RF77	
0.30	4520	4464	59000	1.75	R 137 RF77	Y..63M ₂ -4 AM63 AD2
0.34	3980	3928	59500	2.00	RF 137 RF77	
0.30	4490	4435	28400	0.95	R 107 RF77	Y..63M ₂ -4 AM63 AD2
0.34	3980	3896	31100	1.10	RF 107 RF77	
0.43	3220	3039	34200	1.35		
0.34	4210	3918	29900	1.00	R 107 RF77	Y..63M ₂ -4 AM63 AD2
0.39	3590	3343	32800	1.20	RF 107 RF77	
0.44	3260	3034	34100	1.30		
0.50	2850	2653	35400	1.50	R 107 RF77	Y..63M ₂ -4 AM63 AD2
0.58	2450	2280	36200	1.75	RF 107 RF77	
0.64	2210	2067	36500	1.95		
0.66	2100	1987	36700	2.00		
0.72	1870	1827	36900	2.30	R 107 RF77	Y..63M ₂ -4 AM63 AD3
0.83	1590	1599	37200	2.70	RF 107 RF77	
0.94	1430	1400	37300	3.00		
1.10	1220	1226	37400	3.50		
0.49	2990	2668	20000	1.00		
0.59	2480	2245	24200	1.20		
0.65	2200	2016	25500	1.35		
0.76	1960	1733	26500	1.50	R 97 RF57	Y..63M ₂ -4 AM63 AD2
0.81	1840	1623	27000	1.65	RF 97 RF57	
0.92	1610	1434	27500	1.85		
1.10	1330	1207	27900	2.20		
1.20	1180	1084	28000	2.50		
1.40	1000	934	28200	3.00	R 97 RF57	Y..63M ₂ -4 AM63 AD2
1.50	930	878	28300	3.20	RF 97 RF57	
1.80	790	755	28400	3.80		
0.49	3090	2722	15900	0.95	R 97 RF57	Y..63M ₂ -4 AM63 AD2
0.57	2620	2311	23400	1.15	RF 97 RF57	
0.64	2350	2078	24800	1.25		
0.89	1690	1489	15900	0.90		
0.95	1580	1395	16700	1.00		
1.10	1380	1232	18000	1.10	R 87 RF57	Y..63M ₂ -4 AM63 AD2
1.20	1270	1145	18600	1.20	RF 87 RF57	
1.30	1140	1037	19200	1.35		
1.40	1010	931	19800	1.50		
1.60	860	802	20000	1.80		
0.87	1680	1524	15900	0.90	R 87 RF57	Y..63M ₂ -4 AM63 AD2
1.00	1390	1303	17900	1.10	R 87 RF57	Y..63M ₂ -4 AM63 AD3
1.20	1220	1143	18900	1.25	RF 87 RF57	

n [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.18kw						
1.50	970	885	19900	1.60	R 87 RF57	Y..63M ₂ -4 AM63 AD2
1.70	850	776	20000	1.80	RF 87 RF57	
1.50	970	858	5830	0.85		
1.70	850	757	9590	0.95	R 77 RF37	Y..63M ₂ -4 AM63 AD2
2.00	750	671	10500	1.10	RF 77 RF37	
2.30	630	571	11400	1.30		
1.60	880	821	9230	0.90		
1.80	800	731	10100	1.00		
2.00	745	646	10500	1.10		
2.40	645	560	11300	1.25	R 77 RF37	Y..63M ₂ -4 AM63 AD2
2.70	550	488	11800	1.50	RF 77 RF37	
3.00	485	436	12100	1.70		
3.50	420	373	12400	1.95		
4.00	365	327	12600	2.20		
4.60	325	289	12700	2.50		
2.30	635	571	7060	0.95	R 67 RF37	Y..63M ₂ -4 AM63 AD2
2.70	535	486	8250	1.10	RF 67 RF37	
2.30	655	574	5820	0.90		
2.70	565	495	7950	1.05	R 67 RF37	Y..63M ₂ -4 AM63 AD2
3.00	480	438	8740	1.25	RF 67 RF37	
3.40	425	388	9160	1.40		
3.80	390	344	9380	1.55		
4.50	315	294	9800	1.90	R 67 RF37	Y..63M ₂ -4 AM63 AD2
5.10	290	261	9920	2.10	RF 67 RF37	
2.90	500	454	6650	0.90	R 57 RF37	Y..63M ₂ -4 AM63 AD2
3.20	450	410	7090	1.00	RF 57 RF37	
2.80	535	471	5250	0.85		
3.70	400	357	7300	1.10		
4.10	355	319	7460	1.25	R 57 RF37	Y..63M ₂ -4 AM63 AD2
4.80	300	273	7630	1.50	RF 57 RF37	
5.50	260	241	7730	1.75		
6.10	230	215	7790	1.95		
3.70	420	359	7230	1.05		
4.10	375	324	7380	1.20	R 57 RF37	Y..63M ₂ -4 AM63 AD2
4.60	335	290	7530	1.35	RF 57 RF37	
5.00	300	262	7620	1.50		
5.40	280	246	7680	1.60		
6.00	245	220	7750	1.80	R 57 RF37	Y..63M ₂ -4 AM63 AD2
7.00	210	188	7830	2.10	RF 57 RF37	
8.30	177	159	7890	2.60		
4.40	345	301	4150	0.85		
5.20	290	255	5460	1.05	R 47 RF37	Y..63M ₂ -4 AM63 AD2
5.80	255	228	5620	1.15	RF 47 RF37	
6.80	215	195	5790	1.40		
4.50	385	195.24	12500	2.10	R 77	Y..71M ₂ -6 AM71 AD2
5.20	325	166.59	12700	2.50	RF 77	

R SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.18kw						
6.00	285	145.67	12800	2.80	R RF	Y..71M _i -6 AM71 AD2
6.30	270	138.39	12900	3.00		
7.20	235	121.42	12900	3.40		
6.80	250	195.24	12900	3.20	R RF	Y..63M _i -4 AM63 AD2
7.90	215	166.59	13000	3.80		
9.10	190	145.67	13000	4.30		
9.50	180	138.39	13000	4.60		
4.40	390	199.81	9370	1.50	R RF	Y..71M _i -6 AM71 AD2
4.70	360	184.07	9560	1.65		
5.50	310	158.14	9830	1.90		
6.30	270	137.67	10000	2.20	R RF	Y..71M _i -6 AM71 AD2
6.80	250	128.97	10100	2.40		
7.60	225	113.94	10200	2.70		
8.20	205	105.83	10200	2.90		
9.10	190	95.91	10300	3.20		
10.0	170	86.11	10300	3.50		
12.0	146	74.17	10400	4.10		
12.0	138	69.75	10400	4.40		
6.60	260	199.81	10100	2.30	R RF	Y..63M _i -4 AM63 AD2
7.20	235	184.07	10100	2.50		
8.40	205	158.14	10200	2.90		
9.60	179	137.67	10300	3.40		
10.0	168	128.97	10300	3.60		
12.0	148	113.94	10400	4.00		
12.0	138	105.83	10400	4.40		
4.70	365	186.89	7420	1.20	R RF	Y..71M _i -6 AM71 AD2
5.00	340	172.17	7510	1.30		
5.90	290	147.92	7650	1.55		
6.80	250	128.77	7740	1.75	R RF	Y..71M _i -6 AM71 AD2
7.20	235	120.63	7780	1.90		
7.10	240	186.89	7770	1.85	R RF	Y..63M _i -4 AM63 AD2
7.70	220	172.17	7810	2.00		
8.90	193	147.92	7860	2.30		
10.0	168	128.77	7900	2.70		
11.0	157	120.63	7920	2.90		
12.0	139	106.58	7940	3.20		
13.0	129	98.99	7950	3.50		
15.0	117	89.71	7970	3.80		
7.50	230	176.88	5740	1.30	R RF	Y..63M _i -4 AM63 AD2
8.10	210	162.94	5810	1.40		
9.40	182	139.99	5910	1.65		
11.0	159	121.87	5980	1.90		
12.0	149	114.17	6000	2.00		
13.0	131	100.86	6040	2.30		
14.0	122	93.68	6060	2.50		
16.0	111	84.9	6080	2.70		
17.0	99	76.23	6100	3.00		
7.00	240	123.66	3060	0.80	R RF	Y..71M _i -6 AM71 AD1
8.30	205	105.28	4840	0.95		
9.60	179	90.77	5190	1.10		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.18kw						
10.0	167	84.61	5310	1.20	R RF	Y..71M _i -6 AM71 AD1
9.80	176	134.82	5230	1.15	R RF	Y..63M _i -4 AM63 AD1
11.0	161	123.66	5370	1.25		
13.0	137	105.28	5580	1.45		
15.0	118	90.77	5710	1.70		
16.0	110	84.61	5760	1.80		
18.0	96	73.96	5840	2.10		
19.0	90	69.33	5870	2.20		
22.0	80	61.18	5920	2.50		
24.0	73	55.76	5940	2.80		
27.0	63	48.08	5960	3.20	R RF	Y..63M _i -4 AM63 AD2
11.0	161	123.91	4070	0.80	R RF	Y..63M _i -4 AM63 AD1
13.0	137	105.49	4200	0.95		
15.0	118	90.96	4280	1.10		
16.0	110	84.78	4320	1.20		
18.0	96	74.11	4360	1.35		
19.0	90	69.47	4380	1.45		
22.0	80	61.30	4320	1.65		
24.0	73	55.87	4210	1.80		
27.0	63	48.17	4040	2.10		
29.0	58	44.90	3960	2.20		
34.0	51	39.25	3810	2.50		
36.0	48	36.79	3740	2.70		
41.0	42	32.47	3610	3.10		
46.0	38	28.78	3480	3.50		
54.0	32	24.47	3310	4.10		
47.0	37	28.37	3460	3.50	R RF	Y..63M _i -4 AM63 AD2
51.0	34	26.09	3380	3.80		
59.0	29	22.32	3220	4.50		
68.0	25	19.35	3090	5.20		
73.0	24	18.08	3020	5.50		
84.0	20	15.63	2890	6.40		
99.0	17	13.28	2750	7.50		
16.0	106	81.64	47	0.80	R RF	Y..63M _i -4 AM63 -
19.0	92	70.39	1330	0.95		
20.0	85	65.61	1740	1.00	R RF	Y..63M _i -4 AM63 -
23.0	75	57.35	2350	1.15		
25.0	70	53.76	2500	1.20	R RF	Y..63M _i -4 AM63 -
28.0	62	47.44	2450	1.40		
30.0	58	44.18	2410	1.50		
34.0	50	38.61	2340	1.70		
36.0	47	36.20	2300	1.80		
41.0	42	31.94	2240	2.00		
47.0	37	28.32	2170	2.30		
55.0	31	24.07	2080	2.70		

n_1 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =0.18kw							
52.0	33	25.23	2110	2.60	R RF	17 17	Y..63M ₁ -4 AM63 -
57.0	30	23.15	2060	2.80			
67.0	26	19.71	1970	3.30			
78.0	22	16.99	1890	3.80			
143	12	6.07	4940	3.60	RX RXF	67 67	Y..71M ₁ -6 AM71 AD2
168	10	5.18	4690	7.40			
192	8.9	4.53	4490	9.20			
202	8.5	4.30	4410	9.40			
218	7.9	6.07	4310	5.40	RX RXF	67 67	Y..63M ₁ -4 AM63 AD2
255	6.7	5.18	4090	11.0			
292	5.9	4.53	3920	14.0			
307	5.6	4.30	3850	14.0			
350	4.9	3.77	3690	18.0			
412	4.2	3.20	3500	24.0	RX RXF	67 67	Y..63M ₁ -4 AM63 AD3
457	3.8	2.89	3380	28.0			
519	3.3	2.54	3240	36.0			
550	3.1	2.40	3180	40.0			
646	2.7	2.04	3020	50.0			
158	11	5.50	3880	3.60	RX RXF	57 57	Y..71M ₁ -6 AM71 AD2
172	10	5.07	3780	3.60			
200	8.6	4.35	3600	7.90			
230	7.5	3.79	3440	9.20			
240	7.2	5.50	3400	5.40	RX RXF	57 57	Y..63M ₁ -4 AM63 AD2
261	6.6	5.07	3310	5.40			
303	5.7	4.35	3150	12.0	RX RXF	57 57	Y..63M ₁ -4 AM63 AD2
348	4.9	3.79	3010	14.0			
372	4.6	3.55	2940	15.0			
421	4.1	3.14	2830	16.0			
453	3.8	2.91	2760	18.0			
500	3.4	2.64	2670	20.0			
557	3.1	2.37	2580	22.0	RX RXF	57 57	Y..63M ₁ -4 AM63 AD3
647	2.7	2.04	2460	26.0			
688	2.5	1.92	2410	28.0			
799	2.2	1.65	2290	31.0			
P ₁ =0.25kw							
0.13	15100	9743	48200	0.85	R RF	147 RF77 147 RF77	Y..71M ₁ -4 AM71 AD2
0.15	12700	8443	63100	1.00			
0.18	11000	7307	66200	1.20			
0.20	9740	6447	68100	1.35			
0.23	8410	5568	69800	1.55			
0.26	7590	4926	70700	1.70			
0.30	6570	4325	71700	2.00			
0.35	5790	3754	72400	2.20			
0.39	5020	3302	72900	2.60			
0.45	4370	2898	73300	3.00			
0.22	8660	5834	51100	0.90	R RF	137 RF77 137 RF77	Y..71M ₁ -4 AM71 AD2
0.25	7960	5116	53500	1.00			
0.29	6740	4464	55800	1.20			
0.33	5930	3928	57100	1.35			

n_1 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size	Input Configuration
$P_1=0.25\text{kw}$						
0.28	7430	4709	54600	1.10	R 137 RF77 RF 137 RF77	Y..71M ₁ -4
0.32	6340	4018	56500	1.25		AM71
0.37	5540	3514	57700	1.45		AD2
0.39	5260	3338	58100	1.50		-
0.44	4620	2929	58900	1.75		-
0.49	4180	2658	59300	1.90	R 137 RF77 RF 137 RF77	Y..71M ₁ -4
0.54	3800	2412	59700	2.10		AM71
						AD3
0.63	3260	2073	60100	2.40		Y..71M ₁ -4
0.71	2810	1839	60500	2.80	R 137 RF77 RF 137 RF77	AM71
0.93	2180	1397	60800	3.70		AD3
1.10	1880	1226	61000	4.20		-
0.43	4730	3039	25600	0.90	R 107 RF77 RF 107 RF77	Y..71M ₁ -4
						AM71
						AD2
0.43	4780	3034	23600	0.90		Y..71M ₁ -4
					R 107 RF77 RF 107 RF77	AM71
						AD2
0.65	3100	1987	34600	1.40	R 107 RF77 RF 107 RF77	Y..71M ₁ -4
0.71	2790	1827	35600	1.55		AM71
0.81	2400	1599	36300	1.80		AD3
0.93	2140	1400	36600	2.00		-
1.10	1840	1226	36900	2.30		-
1.40	1430	939	37300	3.00		-
1.60	1230	822	37400	3.50		-
						-
0.75	2840	1733	22000	1.05	R 97 RF57 RF 97 RF57	Y..71M ₁ -4
0.80	2650	1623	23200	1.15		AM71
						AD2
0.71	2960	1823	21100	1.00		Y..71M ₁ -4
0.82	2570	1583	23700	1.15	R 97 RF57 RF 97 RF57	AM71
0.93	2230	1396	25400	1.35		AD2
1.10	1940	1228	26600	1.55		-
1.20	1750	1069	27300	1.70		-
1.40	1520	938	27600	1.95		-
2.10	990	632	28200	3.00		-
						-
1.60	1300	824	27900	2.30	R 97 RF57 RF 97 RF57	Y..71M ₁ -4
1.80	1160	737	28100	2.60		AM71
						AD3
1.10	1850	1145	10700	0.85		Y..71M ₁ -4
1.20	1660	1037	16000	0.95	R 87 RF57 RF 87 RF57	AM71
1.40	1480	931	17400	1.05		AD2
1.60	1260	802	18600	1.20		-
						-
1.10	1790	1143	14700	0.85	R 87 RF57 RF 87 RF57	Y..71M ₁ -4
1.50	1420	885	17800	1.10		AM71
1.70	1240	776	18700	1.25		AD3
1.90	1100	685	19400	1.40		-
2.20	920	599	20000	1.65		-
2.50	810	525	20000	1.90		-
2.80	715	456	20000	2.20		-
4.90	415	268	20000	3.70		-

R SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =0.25kw							
2.30	910	571	8910	0.90	R RF	77 RF37 77 RF37	Y..71M _i -4 AM71 AD2
2.30	920	560	8780	0.90	R RF	77 RF37 77 RF37	Y..71M _i -4 AM71 AD2
2.70	795	488	10100	1.05			
3.00	705	436	10900	1.15			
3.50	605	373	11500	1.35	R RF	77 RF37 77 RF37	Y..71M _i -4 AM71 AD2
4.00	530	327	11900	1.55	R RF	77 RF37 77 RF37	Y..71M _i -4 AM71 AD2
4.50	470	289	12200	1.75			
5.00	420	260	12400	1.95			
5.80	355	224	12600	2.30			
3.40	620	388	7290	0.95	R RF	67 RF37 67 RF37	Y..71M _i -4 AM71 AD2
3.80	565	344	7950	1.05			
4.40	465	294	8870	1.30			
5.00	420	261	9180	1.40			
5.60	380	234	9460	1.60			
6.50	320	200	9780	1.85			
7.40	275	176	9980	2.20			
8.20	250	158	10100	2.40			
3.40	640	384	6960	0.95	R RF	67 RF37 67 RF37	Y..71M _i -4 AM71 AD2
3.60	600	359	7550	1.00			
4.20	515	310	8430	1.15			
4.90	435	264	9100	1.40			
5.50	385	235	9420	1.55			
6.50	325	201	9750	1.85			
7.20	295	181	9900	2.00			
4.10	515	319	6050	0.85	R RF	57 RF37 57 RF37	Y..71M _i -4 AM71 AD2
4.80	435	273	7160	1.05			
5.40	380	241	7380	1.20			
6.00	340	215	7510	1.30			
7.00	300	187	7630	1.50			
7.90	260	164	7730	1.75			
9.20	225	142	7800	2.00			
4.00	540	324	4980	0.85	R RF	57 RF37 57 RF37	Y..71M _i -4 AM71 AD2
4.50	480	290	6950	0.95			
5.00	435	262	7160	1.05			
5.30	405	246	7280	1.10			
5.90	360	220	7440	1.25			
5.70	370	228	2440	0.80	R RF	47 RF37 47 RF37	Y..71M _i -4 AM71 AD2
6.70	315	195	5320	0.95			
7.10	295	182	5440	1.00			
8.50	245	154	5680	1.20			
4.60	520	195.24	12000	1.55	R RF	77 77	Y..71M _i -6 AM71 AD2
5.40	440	166.59	12300	1.85			
6.10	385	145.67	12500	2.10			
6.70	355	195.24	12600	2.30	R RF	77 77	Y..71M _i -4 AM71 AD2
7.80	305	166.59	12800	2.70			
8.90	265	145.67	12900	3.10			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =0.25kw							
9.40	250	138.39	12900	3.20	R	77	Y..71M _i -4
11.0	220	121.42	13000	3.70	RF	77	AM71 AD2
4.50	530	199.81	8280	1.15	R RF	67 67	Y..71M _i -6 AM71 AD2
4.90	490	184.07	8660	1.20			
5.70	420	158.14	9190	1.40			
6.50	365	137.67	9540	1.65			
6.90	340	128.97	9670	1.75			
7.80	300	113.94	9870	1.95			
8.50	280	105.83	9960	2.10			
6.50	365	199.81	9540	1.65	R RF	67 67	Y..71M _i -4 AM71 AD2
7.10	335	184.07	9700	1.80			
8.20	290	158.14	9930	2.10			
9.40	250	137.67	10100	2.40			
10.0	235	128.97	10100	2.50			
11.0	205	113.94	10200	2.90			
12.0	194	105.83	10300	3.10			
14.0	176	95.91	10300	3.40			
15.0	158	86.11	10400	3.80	R RF	57 57	Y..71M _i -6 AM71 AD2
4.80	495	186.89	6760	0.90			
5.20	455	172.17	7060	1.00			
6.00	390	147.92	7330	1.15			
7.00	340	128.77	7500	1.30			
7.40	320	120.63	7570	1.40			
8.40	280	106.58	7670	1.60			
9.00	260	98.99	7720	1.70	R RF	57 57	Y..71M _i -4 AM71 AD2
7.00	340	186.89	7500	1.30			
7.60	315	172.17	7580	1.40			
8.80	270	147.92	7700	1.65	R RF	57 57	Y..71M _i -4 AM71 AD2
10.0	235	128.77	7780	1.90			
11.0	220	120.63	7810	2.00			
12.0	196	106.58	7860	2.30			
13.0	182	98.99	7880	2.50			
14.0	165	89.71	7910	2.70	R RF	57 57	Y..71M _i -4 AM71 AD2
16.0	148	80.55	7930	3.00			
19.0	127	69.23	7960	3.50			
7.40	320	176.88	5280	0.90	R RF	47 47	Y..71M _i -4 AM71 AD2
8.00	295	162.94	5420	1.00			
9.30	255	139.99	5630	1.15			
11.0	220	121.87	5770	1.35			
11.0	205	114.17	5820	1.45			
13.0	185	100.86	5900	1.60			
14.0	172	93.68	5940	1.75			
15.0	156	84.9	5980	1.90			
17.0	140	76.23	6020	2.10			
19.0	126	68.54	6050	2.40			
20.0	118	64.21	6070	2.50			
23.0	104	56.73	6090	2.90			
25.0	97	52.69	6100	3.10			
27.0	88	47.75	6080	3.40			

n_1 [1/min]	M_1 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =0.25kw							
9.60	245	134.82	2630	0.80	R RF	37 37	Y..71M ₁ -4 AM71 AD1
11.0	225	123.66	4560	0.90			
12.0	193	105.28	5030	1.05			
14.0	167	90.77	5320	1.20			
15.0	155	84.61	5420	1.30			
18.0	136	73.96	5580	1.45			
19.0	127	69.33	5650	1.55			
21.0	112	61.18	5750	1.80			
23.0	102	55.76	5800	1.95			
27.0	88	48.08	5870	2.30	R RF	37 37	Y..71M ₁ -4 AM71 AD2
29.0	82	44.81	5760	2.40			
33.0	72	39.17	5540	2.80			
35.0	67	36.72	5430	3.00			
40.0	60	32.4	5230	3.40			
15.0	156	84.78	4100	0.85	R RF	27 27	Y..71M ₁ -4 AM71 AD1
18.0	136	74.11	4210	0.95			
19.0	128	69.47	4240	1.00			
21.0	113	61.30	4180	1.15			
23.0	103	55.87	4090	1.25			
27.0	88	48.17	3940	1.45			
29.0	82	44.90	3870	1.60			
33.0	72	39.25	3730	1.80			
35.0	68	36.79	3660	1.90			
40.0	60	32.47	3540	2.20	R RF	27 27	Y..71M ₁ -4 AM71 AD1
45.0	53	28.78	3420	2.50			
53.0	45	24.47	3270	2.90	R RF	27 27	Y..71M ₁ -4 AM71 AD1
46.0	52	28.37	3410	2.50	R RF	27 27	Y..71M ₁ -4 AM71 AD2
50.0	48	26.09	3330	2.70			
58.0	41	22.32	3180	3.20			
67.0	36	19.35	3050	3.70			
72.0	33	18.08	2990	3.90			
83.0	29	15.63	2860	4.50			
98.0	24	13.28	2730	5.30			
110	22	11.86	2630	5.90			
128	19	10.13	2510	6.60			
138	17	9.41	2440	7.00			
159	15	8.16	2330	7.70			
170	14	7.63	2280	8.00			
197	12	6.59	2180	8.80			
232	10	5.60	2080	9.60			
260	9.2	5.00	2000	10.0			
304	7.8	4.27	1900	11.0			
325	7.3	4.00	1870	12.0			
386	6.2	3.37	1770	13.0			
23.0	105	57.35	156	0.80	R RF	17 17	Y..71M ₁ -4 AM71 -
24.0	99	53.76	785	0.85			
27.0	87	47.44	1630	1.00			
29.0	81	44.18	2000	1.05			
34.0	71	38.61	2200	1.20			
36.0	66	36.20	2180	1.30			
41.0	59	31.94	2120	1.45			

n: [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =0.25kw							
46.0	52	28.32	2070	1.65	R RF	17 17	Y..71M ₁ -4 AM71 -
54.0	44	24.07	2000	1.90			
52.0	46	25.23	2020	1.85	R RF	17 17	Y..71M ₁ -4 AM71 -
56.0	42	23.15	1980	2.00			
66.0	36	19.71	1910	2.40			
77.0	31	16.99	1840	2.70			
82.0	29	15.84	1810	2.90			
94.0	25	13.84	1740	3.40			
100	24	12.98	1720	3.60			
114	21	11.45	1660	3.90			
148	16	6.07	4860	2.60	RX RXF	67 67	Y..71M ₁ -6 AM71 AD2
173	14	5.18	4620	5.40			
198	12	4.53	4420	6.80			
208	12	4.30	4350	7.00			
214	11	6.07	4310	3.90	RX RXF	67 67	Y..71M ₁ -4 AM71 AD2
251	9.5	5.18	4100	7.90			
287	8.3	4.53	3920	9.90			
302	7.9	4.30	3860	10.0			
345	6.9	3.77	3700	13.0			
406	5.9	3.20	3500	17.0	RX RXF	67 67	Y..71M ₁ -4 AM71 AD3
450	5.3	2.89	3390	20.0			
511	4.7	2.54	3250	25.0			
542	4.4	2.40	3190	28.0			
636	3.8	2.04	3020	35.0	RX RXF	57 57	Y..71M ₁ -6 AM71 AD2
163	15	5.50	3820	2.60			
177	14	5.07	3720	2.70			
206	12	4.35	3540	5.90			
236	10	3.79	3390	6.80			
236	10	5.50	3390	3.90	RX RXF	57 57	Y..71M ₁ -4 AM71 AD2
257	9.3	5.07	3300	3.90			
299	8	4.35	3150	8.50			
343	7	3.79	3010	9.90			
366	6.5	3.55	2950	11.0			
414	5.8	3.14	2830	11.0			
446	5.3	2.91	2760	13.0			
492	4.8	2.64	2680	14.0			
548	4.4	2.37	2580	16.0	RX RXF	57 57	Y..71M ₁ -4 AM71 AD3
637	3.7	2.04	2460	19.0			
677	3.5	1.92	2410	20.0			
787	3	1.65	2300	23.0			
P ₁ =0.37kw							
0.19	15900	7307	37500	0.80	R RF	147 RF77 147 RF77	Y..71M ₁ -4 AM71 AD2
0.21	14000	6447	60400	0.90			
0.25	12100	5568	64300	1.05			
0.28	10900	4926	66400	1.20			
0.32	9470	4325	68500	1.35	R RF	147 RF77 147 RF77	Y..71M ₁ -4 AM71 AD2
0.37	8310	3754	70000	1.55			
0.42	7230	3302	71100	1.80			

R SERIES



n_1 [1/min]	M_1 [Nm]	i	F_r [N]	K	Frame size	Input Configuration
P₁=0.37kw						
0.48	6320	2898	71900	2.10	R 147 RF77 RF 147 RF77	Y..71M ₁ -4 AM71 AD2
0.31	9730	4464	36000	0.80	R 137 RF77 RF 137 RF77	Y..71M ₁ -4 AM71 AD2
0.35	8570	3928	51500	0.95		
0.34	9080	4018	48100	0.90	R 137 RF77 RF 137 RF77	Y..71M ₁ -4 AM71 AD2
0.39	7940	3514	53500	1.00		
0.41	7540	3338	54300	1.05		
0.47	6610	2929	56000	1.20		
0.56	5600	2484	57600	1.45		
0.62	5020	2242	58400	1.60		
0.52	5990	2658	57000	1.35	R 137 RF77 RF 137 RF77	Y..71M ₁ -4 AM71 AD3
0.57	5440	2412	57800	1.45		
0.67	4670	2073	58800	1.70		
0.75	4060	1839	59400	1.95		
0.99	3130	1397	60200	2.60		
1.10	2710	1226	60500	2.90		
1.30	2440	1090	60700	3.30		
1.40	2130	951	60900	3.80		
0.67	4660	2067	27300	0.90	R 107 RF77 RF 107 RF77	Y..71M ₁ -4 AM71 AD2
0.82	3790	1693	31900	1.15		
0.89	3420	1550	33500	1.25	R 107 RF77 RF 107 RF77	Y..71M ₁ -4 AM71 AD2
0.98	3100	1407	34600	1.40		
1.10	2660	1209	35900	1.60		
1.30	2330	1055	36400	1.85		
0.69	4450	1987	28600	0.95	R 107 RF77 RF 107 RF77	Y..71M ₁ -4 AM71 AD3
0.76	4030	1827	30800	1.05		
0.86	3490	1599	33200	1.25		
0.99	3090	1400	34600	1.40		
1.10	2670	1226	35900	1.60		
1.50	2070	939	36700	2.10		
1.70	1790	822	37000	2.40		
1.10	2760	1207	22500	1.10	R 97 RF57 RF 97 RF57	Y..71M ₁ -4 AM71 AD2
1.30	2460	1084	24300	1.20		
0.99	3170	1396	10800	0.95	R 97 RF57 RF 97 RF57	Y..71M ₁ -4 AM71 AD2
1.10	2770	1228	22500	1.10		
1.30	2470	1069	24200	1.20		
1.50	2160	938	25700	1.40	R 97 RF57 RF 97 RF57	Y..71M ₁ -4 AM71 AD2
2.20	1420	632	27700	2.10		
1.70	1860	824	26900	1.60	R 97 RF57 RF 97 RF57	Y..71M ₁ -4 AM71 AD3
1.90	1660	737	27400	1.80		
3.20	980	431	28200	3.10		
3.60	850	379	28300	3.50		
4.10	765	336	28400	3.90		

n_1 [1/min]	M_1 [Nm]	i	F_r [N]	K	Frame size	Input Configuration
P₁=0.37kw						
1.70	1810	802	13800	0.85	R 87 RF57 RF 87 RF57	Y..71M ₁ -4 AM71 AD2
1.80	1690	754	15800	0.90		
2.10	1440	649	17600	1.05		
1.80	1770	776	15100	0.85	R 87 RF57 RF 87 RF57	Y..71M ₁ -4 AM71 AD2
2.00	1560	685	16800	1.00		
2.30	1330	599	18300	1.15	R 87 RF57 RF 87 RF57	Y..71M ₁ -4 AM71 AD3
2.60	1170	525	19100	1.30		
3.00	1020	456	19700	1.50		
5.20	595	268	20000	2.60		
5.80	525	236	20000	2.90		
2.60	1260	538	18700	1.25	R 87 RF57 RF 87 RF57	Y..71M ₁ -4 AM71 AD2
2.90	1100	472	19400	1.40		
3.40	920	400	20000	1.65		
3.80	830	361	20000	1.85		
3.70	860	373	9520	0.95	R 77 RF37 RF 77 RF37	Y..71M ₁ -4 AM71 AD2
4.20	755	327	10500	1.10		
4.80	670	289	11100	1.20		
5.30	600	260	11600	1.35		
6.20	505	224	12000	1.60		
7.00	445	197	12300	1.85		
8.20	385	169	12500	2.10		
9.30	340	149	12700	2.40		
4.70	665	294	4670	0.90	R 67 RF37 RF 67 RF37	Y..71M ₁ -4 AM71 AD2
5.30	600	261	7550	1.00		
5.90	535	234	8220	1.10		
6.90	455	200	8930	1.30		
3.70	960	246.54	20000	1.60	R 87 RF 87	Y..80M ₁ -6 AM80 AD2
4.20	840	216.54	20000	1.85		
4.40	800	205.71	20000	1.95		
5.00	705	181.77	20000	2.20	R 87 RF 87	Y..80M ₁ -6 AM80 AD2
5.80	605	155.34	20000	2.60		
6.40	555	142.41	20000	2.80		
5.40	650	166.59	11200	1.25	R 77 RF 77	Y..80M ₁ -6 AM80 AD2
6.20	565	145.67	11700	1.45		
6.50	540	138.39	11900	1.50		
7.10	495	195.24	12100	1.65	R 77 RF 77	Y..71M ₁ -4 AM71 AD2
8.30	425	166.59	12400	1.90		
9.50	370	145.67	12600	2.20		
10.0	350	138.39	12600	2.30		
11.0	310	121.42	12800	2.60		
13.0	260	102.99	12900	3.10		
15.0	235	92.97	12900	3.40		
5.70	615	158.14	7350	0.95	R 67 RF 67	Y..80M ₁ -6 AM80 AD2
6.60	535	137.67	8240	1.10		
7.00	500	128.97	8550	1.20		
7.90	440	113.94	9030	1.35		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.37kw						
6.90	510	199.81	8480	1.15	R RF	Y..71M ₂ -4 AM71 AD2
7.50	470	184.07	8820	1.25		
8.70	400	158.14	9300	1.50		
10.0	350	137.67	9620	1.70		
11.0	330	128.97	9740	1.80		
12.0	290	113.94	9920	2.10		
13.0	270	105.83	10000	2.20		
14.0	245	95.91	10100	2.40	R RF	Y..71M ₂ -4 AM71 AD2
16.0	220	86.11	10200	2.70		
19.0	190	74.17	10300	3.20		
20.0	179	69.75	10300	3.40		
23.0	157	61.26	10400	3.80		
24.0	146	56.89	10400	4.10		
7.00	500	128.77	6610	0.90	R RF	Y..80M ₂ -6 AM80 AD2
7.50	470	120.63	7010	0.95		
8.50	415	106.58	7250	1.10		
9.10	385	98.99	7360	1.15		
7.40	475	186.89	6980	0.95	R RF	Y..71M ₂ -4 AM71 AD2
8.00	440	172.17	7140	1.00		
9.30	375	147.92	7380	1.20		
11.0	325	128.77	7540	1.35	R RF	Y..71M ₂ -4 AM71 AD2
11.0	305	120.63	7610	1.45		
13.0	270	106.58	7700	1.65		
14.0	250	98.99	7740	1.80	R RF	Y..71M ₂ -4 AM71 AD2
15.0	225	89.71	7800	1.95		
17.0	205	80.55	7840	2.20		
20.0	177	69.23	7890	2.50		
21.0	166	64.85	7910	2.70		
24.0	147	57.29	7760	3.10		
26.0	136	53.22	7600	3.30		
29.0	124	48.23	7380	3.60		
9.90	355	139.99	3490	0.85		
11.0	310	121.87	5350	0.95		
12.0	290	114.17	5460	1.05	R RF	Y..71M ₂ -4 AM71 AD2
14.0	255	100.86	5620	1.15		
15.0	235	93.68	5700	1.25		
16.0	215	84.9	5790	1.40		
18.0	195	76.23	5870	1.55		
20.0	176	68.54	5930	1.70		
21.0	164	64.21	5960	1.80		
24.0	145	56.73	6010	2.10		
26.0	135	52.69	5990	2.20		
29.0	122	47.75	5820	2.40		
32.0	110	42.87	5650	2.70		
37.0	94	36.93	5410	3.20		
40.0	89	34.73	5310	3.40		
41.0	86	33.79	5270	2.80	R RF	Y..71M ₂ -4 AM71 AD2
44.0	80	31.12	5140	2.80		
52.0	68	26.74	4920	4.40		
59.0	60	23.28	4720	5.00		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.37kw						
63.0	56	21.81	4620	5.40	R RF	Y..71M ₂ -4 AM71 AD2
15.0	230	90.77	4250	0.85	R RF	Y..71M ₂ -4 AM71 AD1
16.0	215	84.61	4720	0.90		
19.0	189	73.96	5070	1.05		
20.0	178	69.33	5210	1.15	R RF	Y..71M ₂ -4 AM71 AD1
23.0	157	61.18	5410	1.30		
25.0	143	55.76	5530	1.40	R RF	Y..71M ₂ -4 AM71 AD1
29.0	123	48.08	5580	1.60	R RF	Y..71M ₂ -4 AM71 AD2
31.0	115	44.81	5480	1.75		
35.0	100	39.17	5280	2.00	R RF	Y..71M ₂ -4 AM71 AD2
38.0	94	36.72	5190	2.10		
43.0	83	32.40	5010	2.40		
48.0	74	28.73	4850	2.70		
57.0	62	24.42	4620	3.20		
49.0	72	28.32	4830	2.80	R RF	Y..71M ₂ -4 AM71 AD2
53.0	67	26.03	4710	2.80		
62.0	57	22.27	4500	3.50		
71.0	49	19.31	4320	4.00		
76.0	46	18.05	4230	4.30		
88.0	40	15.60	4050	5.00	R RF	Y..71M ₂ -4 AM71 AD2
104	34	13.25	3850	5.60		
117	30	11.83	3720	6.00		
23.0	157	61.30	3870	0.85	R RF	Y..71M ₂ -4 AM71 AD1
25.0	143	55.87	3800	0.90		
29.0	123	48.17	3680	1.05		
31.0	115	44.90	3620	1.15		
35.0	100	39.25	3510	1.30		
38.0	94	36.79	3460	1.40		
42.0	83	32.47	3350	1.55		
48.0	74	28.78	3250	1.75		
56.0	63	24.47	3110	2.10		
49.0	73	28.37	3240	1.80	R RF	Y..71M ₂ -4 AM71 AD2
53.0	67	26.09	3170	1.95		
62.0	57	22.32	3040	2.30		
71.0	50	19.35	2920	2.60		
76.0	46	18.08	2860	2.80		
88.0	40	15.63	2750	3.20		
104	34	13.28	2620	3.80		
36.0	99	38.61	770	0.85	R RF	Y..71M ₂ -4 AM71 -
38.0	93	36.20	1260	0.90		
43.0	82	31.94	1910	1.05		
49.0	72	28.32	1880	1.15		

R SERIES



n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.37kw						
57.0	62	24.07	1830	1.40	R 17 RF 17	Y..71M ₂ -4 AM71 -
55.0	65	25.23	1840	1.30	R 17 RF 17	Y..71M ₂ -4 AM71 -
60.0	59	23.15	1820	1.45		
70.0	50	19.71	1760	1.70		
81.0	44	16.99	1710	1.95		
87.0	40	15.84	1680	2.10		
100	35	13.84	1630	2.40	R 17 RF 17	Y..71M ₂ -4 AM71 -
106	33	12.98	1610	2.60		
121	29	11.45	1560	2.80		
136	26	10.15	1520	3.00		
160	22	8.63	1460	3.30		
183	19	7.55	1370	2.90	R 17 RF 17	Y..71M ₂ -4 AM71 -
196	18	7.04	1350	3.10		
224	16	6.15	1300	3.40		
239	15	5.76	1280	3.60		
271	13	5.09	1240	3.90		
306	12	4.51	1200	4.20	RX 67 RXF 67	Y..80M ₂ -6 AM80 AD2
360	9.8	3.83	1140	4.60		
175	175	5.18	4560	3.70		
200	200	4.53	4370	4.60		
210	210	4.30	4300	4.80		
240	240	3.77	4130	5.90	RX 67 RXF 67	Y..71M ₂ -4 AM71 AD3
227	227	6.07	4200	2.80		
267	267	5.18	3990	5.60		
305	305	4.53	3820	7.10		
321	321	4.30	3760	7.30		
366	366	3.77	3600	9.00	RX 57 RXF 57	Y..80M ₂ -6 AM80 AD2
431	431	3.20	3420	12.0		
478	478	2.89	3310	14.0		
543	543	2.54	3170	18.0		
575	575	2.40	3110	20.0		
675	675	2.04	2950	26.0	RX 57 RXF 57	Y..71M ₂ -4 AM71 AD2
208	208	4.35	3490	4.00		
239	239	3.79	3340	4.70		
255	255	3.55	3280	5.00		
251	251	5.50	3300	2.80		
272	272	5.07	3210	2.80	RX 57 RXF 57	Y..71M ₂ -4 AM71 AD2
317	317	4.35	3060	6.10		
364	364	3.79	2930	7.10		
389	389	3.55	2870	7.60		
440	440	3.14	2760	8.10		
474	474	2.91	2690	8.90	RX 57 RXF 57	Y..71M ₂ -4 AM71 AD3
523	523	2.64	2610	10.0		
582	582	2.37	2520	11.0		
676	676	2.04	2400	13.0		
719	719	1.92	2350	14.0		
835	835	1.65	2240	16.0		

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.55kw						
0.23	0.23	6077	120000	0.90	R 167 RF97 RF 167 RF97	Y..80M ₂ -4 AM80 AD3
0.26	0.26	5407	120000	1.05		
0.30	14700	4650	120000	1.20		
0.33	12800	4129	120000	1.40		
0.28	16600	4926	26700	0.80	R 147 RF77 RF 147 RF77	Y..80M ₂ -4 AM80 AD2
0.32	14400	4325	56500	0.90		
0.37	12600	3754	63300	1.05		
0.42	11000	3302	66200	1.20		
0.48	9670	2898	68200	1.35	R 147 RF77 RF 147 RF77	Y..80M ₂ -4 AM80 AD2
0.54	8750	2555	69400	1.50		
0.62	7580	2211	70800	1.70		
0.71	6680	1951	71600	1.95		
0.81	5720	1705	72400	2.30	R 147 RF77 RF 147 RF77	Y..80M ₂ -4 AM80 AD3
0.90	5120	1536	72900	2.50		
1.00	4430	1329	73300	2.90		
1.20	3850	1166	73600	3.40		
0.56	8510	2484	51800	0.95	R 137 RF77 RF 137 RF77	Y..80M ₂ -4 AM80 AD2
0.52	9110	2658	47600	0.90		
0.57	8260	2412	52800	0.95		
0.67	7100	2073	55200	1.15		
0.75	6210	1839	56700	1.30	R 137 RF77 RF 137 RF77	Y..80M ₂ -4 AM80 AD3
0.86	5330	1598	58000	1.50		
0.99	4760	1397	58700	1.70		
1.10	4150	1226	59300	1.90		
1.30	3710	1090	59800	2.20	R 137 RF77 RF 137 RF77	Y..80M ₂ -4 AM80 AD3
1.40	3240	951	60200	2.50		
1.70	2770	831	60500	2.90		
0.98	4750	1407	24800	0.90	R 107 RF77 RF 107 RF77	Y..80M ₂ -4 AM80 AD2
1.10	4080	1209	30600	1.05		
1.30	3560	1055	32900	1.20		
1.50	3110	919	34600	1.40		
1.70	2780	815	35600	1.55	R 97 RF57 RF 97 RF57	Y..80M ₂ -4 AM80 AD3
1.90	2430	717	36300	1.75		
2.20	2120	626	36600	2.00		
0.99	4730	1400	25600	0.90	R 107 RF77 RF 107 RF77	Y..80M ₂ -4 AM80 AD3
1.10	4110	1226	30400	1.05		
1.20	3680	1104	32400	1.15		
1.50	3170	939	34400	1.35		
1.70	2750	822	35700	1.55	R 97 RF57 RF 97 RF57	Y..80M ₂ -4 AM80 AD3
1.70	2820	824	22100	1.05		
1.90	2530	737	23900	1.20		
2.50	1880	560	26800	1.60		
2.80	1640	484	27400	1.85	R 97 RF57 RF 97 RF57	Y..80M ₂ -4 AM80 AD2
2.20	2160	632	25700	1.40		

n_1 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =0.55kw							
3.20	1480	431	27700	2.00	R RF	97 RF57 97 RF57	Y..80M ₁ -4 AM80 AD3
3.60	1300	379	27900	2.30			
4.10	1160	336	28100	2.60			
4.70	1010	296	28200	3.00			
5.50	840	249	28400	3.60			
2.60	1780	525	15000	0.85	R RF	87 RF57 87 RF57	Y..80M ₁ -4 AM80 AD3
3.00	1550	456	16900	1.00			
3.50	1340	398	18200	1.15			
3.90	1190	352	19000	1.30			
4.50	1020	305	19700	1.50			
2.90	1660	472	16100	0.95	R RF	87 RF57 87 RF57	Y..80M ₁ -4 AM80 AD2
3.40	1400	400	17900	1.10			
3.80	1260	361	18700	1.25			
5.00	970	276	6200	0.85	R RF	77 RF37 77 RF37	Y..80M ₁ -4 AM80 AD2
5.80	820	236	9850	1.00			
6.20	770	221	10300	1.05	R RF	77 RF37 77 RF37	Y..80M ₁ -4 AM80 AD2
7.40	645	186	11300	1.25			
3.20	1660	289.74	27400	1.80	R RF	97 97	Y..80M ₁ -6 AM80 AD3
3.60	1460	255.71	27700	2.00			
3.80	1380	241.25	27800	2.20			
4.20	1240	216.28	28000	2.40			
4.80	1100	289.74	28100	2.70	R RF	97 97	Y..80M ₁ -4 AM80 AD3
5.40	970	255.71	28200	3.10			
5.70	910	241.25	28300	3.30			
6.40	820	216.28	28400	3.60			
3.70	1410	246.54	17800	1.10	R RF	87 87	Y..80M ₁ -6 AM80 AD2
4.20	1240	216.54	18800	1.25			
4.40	1180	205.71	19100	1.30			
5.00	1040	181.77	19700	1.50	R RF	87 87	Y..80M ₁ -6 AM80 AD2
5.90	890	155.34	20000	1.75			
5.60	930	246.54	20000	1.65	R RF	87 87	Y..80M ₁ -4 AM80 AD2
6.40	820	216.54	20000	1.90			
6.70	780	205.71	20000	2.00			
7.60	690	181.77	20000	2.20			
8.90	590	155.34	20000	2.60			
9.70	540	142.41	20000	2.90			
11.0	475	124.97	20000	3.30			
12.0	450	118.43	20000	3.40	R RF	87 87	Y..80M ₁ -4 AM80 AD2
13.0	390	103.65	20000	3.90			
8.30	630	166.59	11400	1.30	R RF	77 77	Y..80M ₁ -4 AM80 AD2
9.50	550	145.67	11800	1.50			
10.0	525	138.39	12000	1.55			
11.0	460	121.42	12200	1.75			
13.0	390	102.99	12500	2.10			
15.0	350	92.97	12600	2.30			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =0.55kw							
17.0	310	81.8	12800	2.60	R RF	77 77	Y..80M ₁ -4 AM80 AD2
18.0	290	77.24	12800	2.80			
21.0	250	65.77	12900	3.30			
8.70	600	158.14	7540	1.00	R RF	67 67	Y..80M ₁ -4 AM80 AD2
10.0	520	137.67	8360	1.15			
11.0	490	128.97	8660	1.20	R RF	67 67	Y..80M ₁ -4 AM80 AD2
12.0	430	113.94	9110	1.40			
13.0	400	105.83	9320	1.50			
14.0	365	95.91	9550	1.65			
16.0	325	86.11	9750	1.85			
19.0	280	74.17	9960	2.10			
20.0	265	69.75	10000	2.30			
23.0	230	61.26	10200	2.60			
24.0	215	56.89	10200	2.80			
11.0	455	120.63	7060	1.00	R RF	57 57	Y..80M ₁ -4 AM80 AD2
13.0	405	106.58	7290	1.10			
14.0	375	98.99	7390	1.20			
15.0	340	89.71	7510	1.30			
17.0	305	80.55	7610	1.45			
20.0	260	69.23	7720	1.70			
21.0	245	64.85	7750	1.80	R RF	57 57	Y..80M ₁ -4 AM80 AD2
24.0	215	57.29	7500	2.10			
26.0	200	53.22	7360	2.20			
29.0	184	48.23	7160	2.40			
32.0	165	43.3	6960	2.70			
37.0	142	37.30	6670	3.20			
39.0	134	35.07	6560	3.40			
52.0	100	26.31	6030	4.50	R RF	57 57	Y..80M ₁ -4 AM80 AD2
55.0	95	24.99	5940	4.70			
63.0	84	21.93	5720	5.40			
74.0	71	18.60	5440	6.40			
15.0	355	93.68	3610	0.85	R RF	47 47	Y..80M ₁ -4 AM80 AD2
16.0	320	84.9	5290	0.95			
18.0	290	76.23	5470	1.05			
20.0	260	68.54	5610	1.15			
21.0	240	64.21	5690	1.25			
24.0	215	56.73	5800	1.40			
26.0	200	52.69	5750	1.50			
29.0	182	47.75	5610	1.65	R RF	47 47	Y..80M ₁ -4 AM80 AD2
32.0	163	42.87	5450	1.85			
37.0	140	36.93	5240	2.10			
40.0	132	34.73	5160	2.30			
46.0	114	29.88	4950	2.60			
52.0	102	26.74	4800	3.00	R RF	47 47	Y..80M ₁ -4 AM80 AD2
59.0	89	23.28	4610	3.40			
63.0	83	21.81	4520	3.60			
23.0	230	61.18	4210	0.85	R RF	37 37	Y..80M ₁ -4 AM80 AD1
25.0	210	55.76	4780	0.95			

R SERIES



n _i [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =0.55kw							
29.0	183	48.08	5150	1.10	R RF	37 37	Y..80M _i -4 AM80 AD2
31.0	171	44.81	5220	1.15			
35.0	149	39.17	5050	1.35			
38.0	140	36.72	4980	1.45			
43.0	123	32.4	4820	1.60			
48.0	109	28.73	4680	1.85			
57.0	93	24.42	4480	2.20			
62.0	85	22.27	4370	2.40	R	37	Y..80M _i -4 AM80 AD2
71.0	74	19.31	4200	2.70	RF	37	
76.0	69	18.05	4120	2.90	R RF	37 37	Y..80M _i -4 AM80 AD2
88.0	59	15.6	3960	3.40			
104	50	13.25	3780	3.80			
117	45	11.83	3650	4.10			
35.0	149	39.25	3270	0.85	R RF	27 27	Y..80M _i -4 AM80 AD1
38.0	140	36.79	3230	0.95			
42.0	124	32.47	3150	1.05			
48.0	110	28.78	3070	1.20			
56.0	93	24.47	2960	1.40			
62.0	85	22.32	2900	1.55	R RF	27 27	Y..80M _i -4 AM80 AD2
71.0	74	19.35	2800	1.75			
76.0	69	18.08	2750	1.90			
88.0	60	15.63	2650	2.20			
104	50	13.28	2540	2.60			
116	45	11.86	2460	2.90			
136	38	10.13	2360	3.20			
147	36	9.41	2280	3.40			
169	31	8.16	2190	3.70			
181	29	7.63	2150	3.90			
209	25	6.59	2070	4.20			
246	21	5.60	1970	4.60			
276	19	5.00	1910	5.00			
323	16	4.27	1820	5.30			
345	15	4.00	1780	5.60			
410	13	3.37	1690	6.20	R RF	27 27	Y..80M _i -4 AM80 AD2
52.0	100	53.76	630	0.85	R RF	17 17	Y..71M _i -2 AM71 -
59.0	89	47.44	1530	0.95			
64.0	83	44.18	1600	1.05			
73.0	72	38.61	1580	1.20			
70.0	75	19.71	1580	1.15	R RF	17 17	Y..80M _i -4 AM80 -
81.0	65	16.99	1560	1.30			
87.0	60	15.84	1540	1.40			
100	53	13.84	1510	1.60			
106	49	12.98	1490	1.70			
121	44	11.45	1460	1.85			
136	39	10.15	1430	2.00			
160	33	8.63	1380	2.20			
183	29	7.55	1290	1.95			
196	27	7.04	1270	2.00			
224	23	6.15	1230	2.30			

n _i [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _I =0.55kw							
239	22	5.76	1220	2.40	R RF	17	Y..80M _i -4 AM80 -
271	19	5.09	1180	2.60			
306	17	4.51	1150	2.80			
360	15	3.83	1100	3.10			
326	16	8.63	1160	4.50	R RF	17	Y..71M _i -2 AM71 -
372	14	7.55	1090	4.00			
399	13	7.04	1070	4.20			
457	12	6.15	1040	4.70			
177	30	5.18	4480	2.50	RX RXF	67	Y..80M _i -6 AM80 AD2
202	26	4.53	4300	3.20			
213	25	4.30	4230	3.20			
243	22	3.77	4060	4.00			
267	20	5.18	3950	3.80	RX RXF	67	Y..80M _i -4 AM80 AD2
305	17	4.53	3790	4.80			
321	16	4.30	3720	4.90			
366	14	3.77	3570	6.00			
431	12	3.20	3390	8.20	RX RXF	67	Y..80M _i -4 AM80 AD3
478	11	2.89	3280	9.60			
543	9.7	2.54	3150	12.0			
575	9.1	2.40	3090	14.0			
675	7.8	2.04	2940	17.0	RX RXF	67	Y..80M _i -4 AM80 AD3
743	7.1	1.86	2850	18.0			
858	6.1	1.61	2720	19.0			
210	25	4.35	3420	2.70			
241	22	3.79	3280	3.20	RX RXF	57	Y..80M _i -6 AM80 AD2
258	20	3.55	3220	3.40			
292	18	3.14	3100	3.60			
314	17	2.91	3030	4.00			
317	17	4.35	3020	4.10	RX RXF	57	Y..80M _i -4 AM80 AD2
364	14	3.79	2890	4.80			
389	14	3.55	2840	5.10			
440	12	3.14	2730	5.50			
474	11	2.91	2660	6.00	RX RXF	57	Y..80M _i -4 AM80 AD3
523	10	2.64	2580	6.90			
582	9	2.37	2500	7.70			
676	7.8	2.04	2380	8.80			
719	7.3	1.92	2330	9.40	RX RXF	57	Y..80M _i -4 AM80 AD3
835	6.3	1.65	2220	11.0			
935	5.6	1.48	2140	12.0			
1060	5	1.30	2060	13.0			
P _I =0.75kw							
0.31	19800	4650	120000	0.90	R RF	167 RF97	Y..80M _i -4 AM80 AD3
0.35	17300	4129	120000	1.05			
0.54	11600	2657	120000	1.55	R RF	167 RF97	Y..80M _i -4 AM80 AD4
1.00	6280	1438	120000	2.90			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.75kw						
0.62	10000	2333	120000	1.80	R 167 RF97	Y..80M _i -4 AM80
0.69	8880	2085	120000	2.00	RF 167 RF97	AD5
0.43	14600	3302	54100	0.90	R 147 RF77	Y..80M _i -4 AM80
0.50	12800	2898	62900	1.00	RF 147 RF77	AD2
0.56	11600	2555	65300	1.10	R 147 RF77 RF 147 RF77	Y..80M _i -4 AM80 AD3
0.65	10000	2211	67700	1.30		
0.74	8860	1951	69300	1.45		
0.84	7610	1705	70700	1.70		
0.93	6830	1536	71500	1.90		
1.10	5910	1329	72300	2.20		
1.20	5150	1166	72800	2.50		
0.77	8370	1863	52400	0.95	R 137 RF77 RF 137 RF77	Y..80M _i -4 AM80 AD2
0.90	7090	1586	55200	1.15		
1.00	6320	1391	56500	1.25		
1.10	5680	1256	57500	1.40		
0.69	9410	2073	42400	0.85	R 137 RF77 RF 137 RF77	Y..80M _i -4 AM80 AD3
0.78	8260	1839	52800	0.95		
0.90	7110	1598	55200	1.10		
1.00	6320	1397	56500	1.25		
1.20	5520	1226	57700	1.45		
1.30	4930	1090	58500	1.60		
1.50	4300	951	59200	1.85		
1.70	3700	831	59800	2.20		
2.00	3220	730	60200	2.50		
1.40	4740	1055	25200	0.90	R 107 RF77 RF 107 RF77	Y..80M _i -4 AM80 AD2
1.60	4140	919	30300	1.05		
1.80	3690	815	32400	1.15		
1.50	4210	939	29900	1.00	R 107 RF77 RF 107 RF77	Y..80M _i -4 AM80 AD3
1.80	3670	822	32500	1.15		
3.90	1640	369	37100	2.60	R 107 RF77 RF 107 RF77	Y..80M _i -4 AM80 AD4
4.40	1430	323	37300	3.00		
2.30	2870	632	21800	1.05	R 97 RF57 RF 97 RF57	Y..80M _i -4 AM80 AD2
2.60	2510	560	24000	1.20	R 97 RF57 RF 97 RF57	Y..80M _i -4 AM80 AD3
3.00	2180	484	25600	1.40		
3.30	1960	431	26500	1.50		
3.80	1720	379	27300	1.75		
4.30	1530	336	27600	1.95		
4.80	1340	296	27900	2.20		
5.80	1120	249	28100	2.70		
3.60	1790	398	15000	0.85	R 87 RF57 RF 87 RF57	Y..80M _i -4 AM80 AD3
4.10	1580	352	16700	1.00		
4.70	1360	305	18100	1.15		
5.40	1200	268	18900	1.30		
6.10	1060	236	19600	1.45		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=0.75kw						
4.00	1660	361	16000	0.95	R 87 RF57 RF 87 RF57	Y..80M _i -4 AM80 AD2
4.80	1370	300	18000	1.10	R 87 RF57 RF 87 RF57	Y..80M _i -4 AM80 AD3
5.60	1160	256	19100	1.35		
3.70	1940	255.71	26600	1.55		
3.90	1830	241.25	27000	1.65	R 97 RF 97	Y..90S-6 AM90 AD3
4.40	1640	216.28	27400	1.80		
5.00	1440	289.74	27700	2.10	R 97 RF 97	Y..80M _i -4 AM80 AD3
5.60	1270	255.71	27900	2.40		
6.00	1200	241.25	28000	2.50		
6.60	1070	216.28	28100	2.80		
7.70	920	186.30	28300	3.20		
8.40	840	170.02	28400	3.50		
4.30	1640	216.54	16200	0.95	R 87 RF 87	Y..90S-6 AM90 AD2
4.60	1560	205.71	16800	1.00		
5.20	1380	181.77	18000	1.10		
6.00	1180	155.34	19000	1.30	R 87 RF 87	Y..90S-6 AM90 AD2
6.60	1080	142.41	19500	1.45		
5.80	1230	246.54	18800	1.25	R 87 RF 87	Y..80M _i -4 AM80 AD2
6.60	1080	216.54	19500	1.45		
7.00	1020	205.71	19700	1.50		
7.90	900	181.77	20000	1.70		
9.20	775	155.34	20000	2.00	R 87 RF 87	Y..80M _i -4 AM80 AD2
10.0	710	142.41	20000	2.20		
11.0	620	124.97	20000	2.50		
12.0	590	118.43	20000	2.60		
14.0	515	103.65	20000	3.00		
15.0	465	93.38	20000	3.30		
8.60	830	166.59	9810	1.00	R 77 RF 77	Y..80M _i -4 AM80 AD2
9.80	725	145.67	10700	1.15		
10.0	690	138.39	11000	1.20		
12.0	605	121.42	11500	1.35	R 77 RF 77	Y..80M _i -4 AM80 AD2
14.0	510	102.99	12000	1.60		
15.0	460	92.97	12200	1.75		
18.0	405	81.8	12500	2.00		
19.0	385	77.24	12500	2.10		
22.0	325	65.77	12700	2.50		
25.0	285	57.68	12800	2.80		
28.0	255	52.07	12900	3.20	R 77 RF 77	Y..80M _i -4 AM80 AD2
31.0	225	45.81	13000	3.60		
33.0	215	43.26	13000	3.80		
11.0	640	128.97	7000	0.95	R 67 RF 67	Y..80M _i -4 AM80 AD2
13.0	565	113.94	7920	1.05		
14.0	525	105.83	8320	1.15		
15.0	475	95.91	8760	1.25		
17.0	425	86.11	9140	1.40		

R SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =0.75kw							
19.0	370	74.17	9520	1.60	R RF	67	Y..80M ₁ -4 AM80 AD2
21.0	345	69.75	9640	1.70			
23.0	305	61.26	9860	1.95			
25.0	280	56.89	9960	2.10			
28.0	255	51.56	10100	2.30			
31.0	230	46.29	10200	2.60			
13.0	530	106.58	5490	0.85	R RF	57	Y..80M ₁ -4 AM80 AD2
14.0	490	98.99	6900	0.90			
16.0	445	89.71	7120	1.00			
18.0	400	80.55	7300	1.10			
21.0	345	69.23	7470	1.30			
22.0	320	64.85	7360	1.40			
25.0	285	57.29	7150	1.55			
27.0	265	53.22	7030	1.70	R RF	57	Y..80M ₁ -4 AM80 AD2
30.0	240	48.23	6860	1.85			
33.0	215	43.3	6670	2.10			
38.0	186	37.30	6420	2.40			
41.0	175	35.07	6320	2.60			
48.0	151	30.18	6060	3.00			
53.0	135	26.97	5880	3.30			
55.0	131	26.31	5840	3.40	R RF	57	Y..80M ₁ -4 AM80 AD2
57.0	125	24.99	5760	3.60			
65.0	109	21.93	5540	4.10			
77.0	93	18.60	5290	4.80			
21.0	340	68.54	4460	0.90	R RF	47	Y..80M ₁ -4 AM80 AD2
22.0	320	64.21	5300	0.95			
25.0	280	56.73	5510	1.05			
27.0	260	52.69	5440	1.15	R RF	47	Y..80M ₁ -4 AM80 AD2
30.0	235	47.75	5320	1.25			
33.0	210	42.87	5190	1.40			
39.0	184	36.93	5010	1.65	R RF	47	Y..80M ₁ -4 AM80 AD2
41.0	173	34.73	4930	1.75			
48.0	149	29.88	4750	2.00			
54.0	133	26.7	4610	2.20			
61.0	118	23.59	4460	2.60	R RF	47 47	Y..80M ₁ -4 AM80 AD2
54.0	134	26.74	4610	2.20	R RF	47	Y..80M ₁ -4 AM80 AD2
62.0	116	23.28	4450	2.60			
66.0	109	21.81	4370	2.80			
74.0	96	19.27	4220	3.10			
80.0	89	17.89	4140	3.20			
88.0	81	16.22	4020	3.40			
30.0	240	48.08	3550	0.85	R RF	37	Y..80M ₁ -4 AM80 AD2
32.0	220	44.81	4480	0.90			
37.0	196	39.17	4760	1.00			
39.0	183	36.72	4700	1.10	R RF	37	Y..80M ₁ -4 AM80 AD2
44.0	162	32.4	4570	1.25			
50.0	143	28.73	4450	1.40			
59.0	122	24.42	4280	1.65			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =0.75kw							
64.0	111	22.27	4180	1.80	R RF	37	Y..80M ₁ -4 AM80 AD2
74.0	96	19.31	4040	2.10			
80.0	90	18.05	3960	2.20			
92.0	78	15.6	3810	2.60	R RF	37	Y..80M ₁ -4 AM80 AD2
108	66	13.25	3650	2.90			
121	59	11.83	3540	3.10			
142	50	10.11	3380	3.40			
152	47	9.47	3320	3.50			
50.0	144	28.78	2860	0.90	R RF	27	Y..80M ₁ -4 AM80 AD1
59.0	122	24.47	2780	1.05			
64.0	111	22.32	2730	1.15	R RF	27	Y..80M ₁ -4 AM80 AD2
74.0	97	19.35	2650	1.35			
79.0	90	18.08	2610	1.45			
92.0	78	15.63	2520	1.65			
108	66	13.28	2430	1.95			
121	59	11.86	2360	2.20			
142	50	10.13	2270	2.40			
152	47	9.41	2190	2.60	R RF	27	Y..80M ₁ -4 AM80 AD2
176	41	8.16	2110	2.80			
188	38	7.63	2070	2.90			
218	33	6.59	1990	3.20			
256	28	5.60	1900	3.60			
287	25	5.00	1850	3.80			
73.0	98	19.71	820	0.85	R RF	17	Y..80M ₁ -4 AM80 -
84.0	85	16.99	1390	1.00			
91.0	79	15.84	1380	1.10			
104	69	13.84	1370	1.25			
111	65	12.98	1360	1.30			
125	57	11.45	1340	1.40			
141	51	10.15	1320	1.50			
166	43	8.63	1280	1.65			
190	38	7.55	1190	1.50			
204	35	7.04	1180	1.55			
233	31	6.15	1150	1.75			
249	29	5.76	1140	1.85			
282	25	5.09	1110	2.00			
318	22	4.51	1080	2.10			
374	19	3.83	1040	2.40			
252	28	11.45	1180	2.80	R RF	17	Y..80M ₁ -2 AM80 -
285	25	10.15	1150	3.10			
335	21	8.63	1110	3.40			
383	19	7.55	1040	3.00			
411	17	7.04	1020	3.20			
470	15	6.15	990	3.60			
501	14	5.76	980	3.70			
568	13	5.09	950	4.00			
641	11	4.51	920	4.30			
754	9.5	3.83	880	4.70			
208	34	4.53	4210	2.40	RX RXF	67	Y..90S-6 AM90 AD2
219	33	4.30	4140	2.40			
249	29	3.77	3980	3.00			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =0.75kw						
294	24	3.20	3780	4.10	RX 67 RXF 67	Y..90S-6 AM90 AD3
277	26	5.18	3860	2.90	RX 67 RXF 67	Y..80M ₁ -4
317	23	4.53	3700	3.60		AM80
334	22	4.30	3640	3.70		AD2
380	19	3.77	3500	4.60	RX 67 RXF 67	Y..80M ₁ -4 AM80 AD2
448	16	3.20	3320	6.20	RX 67 RXF 67	Y..80M ₁ -4 AM80 AD3
497	14	2.89	3220	7.40		
565	13	2.54	3090	9.30		
598	12	2.40	3030	10.0		
702	10	2.04	2880	13.0		
773	9.3	1.86	2790	14.0		
892	8	1.61	2670	14.0		
248	29	3.79	3200	2.40	RX 57 RXF 57	Y..90S-6
265	27	3.55	3140	2.60		AM90
300	24	3.14	3020	2.70		AD2
323	22	2.91	2960	3.00	RX 57 RXF 57	Y..90S-6
356	20	2.64	2870	3.40		AM90
						AD2
330	22	4.35	2940	3.10	RX 57 RXF 57	Y..80M ₁ -4 AM80 AD2
379	19	3.79	2820	3.60		
404	18	3.55	2770	3.90		
458	16	3.14	2660	4.10		
493	14	2.91	2600	4.60		
544	13	2.64	2520	5.20		
605	12	2.37	2440	5.80	RX 57 RXF 57	Y..80M ₁ -4 AM80 AD3
703	10	2.04	2330	6.80		
747	9.6	1.92	2280	7.20		
869	8.2	1.65	2180	8.40		
972	7.4	1.48	2100	9.20		
1100	6.5	1.3	2020	9.70		
P ₁ =1.10kw						
0.53	17600	2657	120000	1.00	R 167 RF97 RF 167 RF97	Y..90S-4
0.99	9540	1438	120000	1.90		AM90
1.10	8480	1279	120000	2.10		AD4
0.61	15300	2333	120000	1.15	R 167 RF97 RF 167 RF97	Y..90S-4
0.68	13600	2085	120000	1.30		AM90
0.76	12100	1877	120000	1.50		AD5
0.85	10800	1670	120000	1.65		
1.30	7390	1123	120000	2.40		
0.64	15000	2211	49600	0.85	R 147 RF77 RF 147 RF77	Y..90S-4
0.73	13200	1951	62100	1.00		AM90 AD3
0.83	11400	1705	65500	1.15	R 147 RF77 RF 147 RF77	Y..90S-4
0.92	10300	1536	67300	1.25		AM90
1.10	8920	1329	69200	1.45		AD3

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=1.10kw						
1.20	7790	1166	70500	1.65	R 147 RF77 RF 147 RF77	Y..90S-4
1.40	6850	1029	71500	1.90		AM90
1.60	5940	889	72300	2.20		AD3
1.80	5220	784	72800	2.50		
2.00	4600	695	73200	2.80		
1.00	9470	1391	41400	0.85	R 137 RF77 RF 137 RF77	Y..90S-4
1.10	8530	1256	51700	0.95		AM90
1.30	7480	1105	54500	1.05		AD2
1.40	7050	1043	55300	1.15		
1.60	5980	888	57100	1.35		
1.00	9490	1397	41100	0.85	R 137 RF77 RF 137 RF77	Y..90S-4
1.20	8300	1226	52700	0.95		AM90 AD3
1.30	7400	1090	54600	1.10	R 137 RF77 RF 137 RF77	Y..90S-4
1.50	6460	951	56300	1.25		AM90
1.70	5580	831	57600	1.45		AD3
2.00	4870	730	58600	1.65		
2.30	4160	629	59300	1.90		
2.90	3250	490	60200	2.50	R 137 RF77 RF 137 RF77	Y..90S-4
2.50	3770	560	59700	2.10		AM90 AD4
2.00	4850	717	20800	0.90		Y..90S-4
2.30	4090	614	30500	1.05	R 107 RF77 RF 107 RF77	AM90
2.60	3610	544	32700	1.20		AD4
2.90	3260	492	34000	1.30		
3.40	2760	417	35600	1.55		
3.80	2470	369	36200	1.75	R 107 RF77 RF 107 RF77	Y..90S-4
4.40	2160	323	36600	2.00		AM90
5.00	1900	285	36900	2.30		AD4
5.60	1670	253	37100	2.60		
3.30	2940	431	21300	1.00	R 97 RF57 RF 97 RF57	Y..90S-4
3.70	2580	379	23600	1.15		AM90 AD3
4.20	2290	336	25100	1.30	R 97 RF57 RF 97 RF57	Y..90S-4
4.80	2010	296	26300	1.50		AM90
5.70	1680	249	27400	1.80		AD3
6.10	1570	234	27500	1.90		
6.80	1400	209	27800	2.10		
5.30	1810	268	13600	0.85	R 87 RF57 RF 87 RF57	Y..90S-4
6.00	1600	236	16600	0.95		AM90
6.80	1400	209	17900	1.10		AD3
5.60	1750	256	15300	0.90	R 87 RF57 RF 87 RF57	Y..90S-4
6.10	1590	232	16600	0.95		AM90
7.30	1340	195	18200	1.15		AD3

R SERIES



n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =1.10kw							
4.40	2410	216.28	24500	1.25	R	97	Y..90L-6
5.00	2080	186.30	26100	1.45	RF	97	AM90 AD3
5.60	1890	255.71	26800	1.60	R RF	97	Y..90S-4 AM90 AD3
5.90	1780	241.25	27200	1.70			
6.60	1590	216.28	27500	1.90			
7.60	1370	186.30	27800	2.20			
8.40	1250	170.02	28000	2.40			
9.40	1110	150.78	28100	2.70			
11.0	930	126.75	28300	3.20	R	97	Y..90S-4
12.0	860	116.48	28300	3.50	RF	97	AM90 AD3
6.60	1600	216.54	16600	0.95	R RF	87	Y..90S-4 AM90 AD2
6.90	1520	205.71	17100	1.00			
7.80	1340	181.77	18200	1.15			
9.10	1140	155.34	19200	1.35	R RF	87	Y..90S-4 AM90 AD2
10.0	1050	142.41	19600	1.45			
11.0	920	124.97	20000	1.70			
12.0	870	118.43	20000	1.75			
14.0	765	103.65	20000	2.00			
15.0	690	93.38	20000	2.20			
17.0	605	81.92	20000	2.60			
20.0	535	72.57	20000	2.90	R RF	87	Y..90S-4 AM90 AD2
22.0	470	63.68	20000	3.30			
24.0	445	60.35	20000	3.50			
27.0	390	52.82	20000	4.00			
12.0	890	121.42	9130	0.90	R RF	77	Y..90S-4 AM90 AD2
14.0	760	102.99	10400	1.10			
15.0	685	92.97	11000	1.20	R RF	77	Y..90S-4 AM90 AD2
17.0	605	81.8	11500	1.35			
18.0	570	77.24	11700	1.45			
22.0	485	65.77	12100	1.70			
25.0	425	57.68	12400	1.90			
27.0	385	52.07	12500	2.10			
31.0	335	45.81	12700	2.40			
33.0	320	43.26	12700	2.60			
39.0	270	36.83	12900	3.00			
42.0	245	33.47	12900	3.30			
16.0	635	86.11	7090	0.95	R RF	67	Y..90S-4 AM90 AD2
19.0	545	74.17	8120	1.10			
20.0	515	69.75	8440	1.15			
23.0	450	61.26	8960	1.30			
25.0	420	56.89	9200	1.45			
28.0	380	51.56	9450	1.55			
31.0	340	46.29	9670	1.75			
36.0	295	39.88	9910	1.95	R RF	67	Y..90S-4 AM90 AD2
38.0	275	37.5	9980	2.00			
44.0	235	32.27	10100	2.30			
49.0	210	28.83	10200	2.40			

n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =1.10kw							
50.0	205	28.13	10200	2.60	R RF	67 67	Y..90S-4
53.0	198	26.72	10100	2.70			AM90
61.0	173	23.44	9690	3.20			AD2
71.0	147	19.89	9230	4.10	R RF	67 67	Y..90S-4 AM90 AD3
21.0	510	69.23	6260	0.90	R RF	57 57	Y..90S-4
22.0	475	64.85	6830	0.95			AM90
25.0	420	57.29	6690	1.05			AD2
27.0	390	53.22	6600	1.15	R RF	57 57	Y..90S-4
29.0	355	48.23	6470	1.25			AM90
33.0	320	43.30	6330	1.40			AD2
38.0	275	37.30	6120	1.65	R RF	57 57	Y..90S-4
40.0	255	35.07	6040	1.75			AM90 AD2
47.0	220	30.18	5830	2.00	R RF	57 57	Y..90S-4
53.0	200	26.97	5670	2.30			AM90 AD2
54.0	195	26.31	5630	2.30	R RF	57 57	Y..90S-4 AM90 AD2
57.0	185	24.99	5560	2.40			
65.0	162	21.93	5380	2.80			
76.0	138	18.60	5150	3.30			
85.0	124	16.79	5000	3.60			
30.0	350	47.75	3810	0.85	R RF	47 47	Y..90S-4 AM90 AD2
33.0	315	42.87	4840	0.95			
38.0	270	36.93	4700	1.10			
41.0	255	34.73	4650	1.15			
48.0	220	29.88	4510	1.35			
53.0	198	26.7	4400	1.50			
60.0	174	23.59	4270	1.70			
61.0	172	23.28	4260	1.75	R RF	47 47	Y..90S-4 AM90 AD2
65.0	161	21.81	4190	1.85			
74.0	142	19.27	4070	2.10			
79.0	132	17.89	4000	2.20			
88.0	120	16.22	3900	2.30			
98.0	108	14.56	3790	2.50			
113	93	12.54	3640	2.70	R RF	47 47	Y..90S-4 AM90 AD2
120	87	11.79	3580	2.80			
140	75	10.15	3430	3.10			
157	67	9.07	3320	3.30			
44.0	235	32.40	2950	0.85	R RF	37 37	Y..90S-4 AM90 AD2
49.0	210	28.73	3340	0.95			
58.0	181	24.42	3750	1.10			
74.0	143	19.31	3830	1.40	R RF	37 37	Y..90S-4 AM90 AD2
79.0	134	18.05	3780	1.50			
91.0	115	15.60	3650	1.75			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =1.10kw							
107	98	13.25	3510	1.95	R RF	37 37	Y..90S-4 AM90 AD2
120	88	11.83	3410	2.10			
140	75	10.11	3280	2.30			
150	70	9.47	3220	2.40			
178	59	7.97	3080	2.60			
213	49	6.67	2910	2.90			
251	42	5.67	2780	3.40			
					R RF	37 37	Y..90S-4 AM90 AD2
73.0	143	19.35	2430	0.90	R RF	27 27	Y..90S-4 AM90 AD2
79.0	134	18.08	2410	0.95			
91.0	116	15.63	2350	1.10			
107	98	13.28	2280	1.30			
120	88	11.86	2230	1.45	R RF	27 27	Y..90S-4 AM90 AD2
140	75	10.13	2160	1.65			
151	70	9.41	2070	1.75			
174	60	8.16	2000	1.90			
186	56	7.63	1980	2.00			
215	49	6.59	1910	2.20			
254	41	5.60	1840	2.40			
284	37	5.00	1780	2.60			
332	32	4.27	1710	2.80			
355	30	4.00	1680	2.90			
421	25	3.37	1610	3.20			
216	49	13.28	1950	2.70	R RF	27 27	Y..80M ₁ -2 AM80 AD2
242	43	11.86	1890	3.00			
283	37	10.13	1820	3.30			
305	34	9.41	1750	3.60			
352	30	8.16	1690	3.90			
376	28	7.63	1660	4.00			
435	24	6.59	1590	4.40			
512	20	5.60	1520	4.80			
574	18	5.00	1470	5.20			
672	16	4.27	1410	5.60			
718	15	4.00	1380	5.80			
852	12	3.37	1310	6.40			
252	42	5.63	5650	2.60	RX RXF	77 77	Y..90S-4 AM90 AD2
265	40	5.35	5560	2.60			
300	35	4.73	5360	3.50	RX RXF	77 77	Y..90S-4 AM90 AD3
249	42	3.77	3900	2.10	RX RXF	67 67	Y..90L-6 AM90 AD2
314	34	4.53	3640	2.40	RX RXF	67 67	Y..90S-4 AM90 AD2
330	32	4.30	3590	2.50			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =1.10kw							
376	28	3.77	3450	3.10	RX RXF	67 67	Y..90S-4 AM90 AD2
444	24	3.20	3280	4.20	RX RXF	67 67	Y..90S-4 AM90 AD3
492	21	2.89	3180	5.00			
559	19	2.54	3060	6.30			
592	18	2.40	3000	6.90			
695	15	2.04	2860	8.90			
765	14	1.86	2770	9.20			
883	12	1.61	2650	9.60			
1015	10	1.40	2530	10.0			
300	35	3.14	2940	1.85	RX RXF	57 57	Y..90L-6 AM90 AD2
356	30	2.64	2800	2.30			
375	28	3.79	2770	2.50	RX RXF	57 57	Y..90S-4 AM90 AD2
400	26	3.55	2720	2.60			
453	23	3.14	2620	2.80			
487	22	2.91	2560	3.10			
538	20	2.64	2490	3.50			
599	18	2.37	2410	3.90	RX RXF	57 57	Y..90S-4 AM90 AD3
696	15	2.04	2300	4.60			
740	14	1.92	2260	4.90			
859	12	1.65	2160	5.70			
962	11	1.48	2080	6.20			
1090	9.6	1.30	2000	6.60			
P ₁ =1.50kw							
0.99	13000	1438	120000	1.40	R RF	167 RF97 167 RF97	Y..90L-4 AM90 AD4
1.10	11600	1279	120000	1.55			
0.61	21100	2333	120000	0.85	R RF	167 RF97 167 RF97	Y..90L-4 AM90 AD5
0.69	18700	2085	120000	0.95			
0.76	16700	1877	120000	1.05			
0.86	14900	1670	120000	1.20			
1.30	10100	1123	120000	1.75			
1.40	9040	999	120000	2.00			
3.40	3850	426	73600	3.40	R RF	147 RF87 147 RF87	Y..90L-4 AM90 AD5
3.90	3330	368	73900	3.90			
0.84	15600	1705	41200	0.85	R RF	147 RF77 147 RF77	Y..90L-4 AM90 AD3
0.93	14100	1536	60300	0.90			
1.10	12200	1329	64200	1.05	R RF	147 RF77 147 RF77	Y..90L-4 AM90 AD3
1.20	10600	1166	66800	1.20			
1.40	9380	1029	68600	1.40			
1.60	8130	889	70200	1.60			
1.80	7150	784	71200	1.80			
2.10	6320	695	71900	2.10			
2.30	5690	619	72400	2.30	R RF	147 RF77 147 RF77	Y..90L-4 AM90 AD4
2.60	5120	558	72900	2.50			

R SERIES



n	M _L	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P_I=1.50kw						
1.40	9620	1043	38400	0.85	R 137 RF77	Y..90L-4 AM90 AD2
1.60	8170	888	53000	1.00		
2.00	6400	699	56400	1.25		
2.40	5550	609	57700	1.45		
1.30	10000	1090	27000	0.80	R 137 RF77	Y..90L-4 AM90 AD3
1.50	8800	951	50500	0.90		
1.70	7630	831	54200	1.05		
2.00	6670	730	55900	1.20		
2.30	5710	629	57400	1.40		
2.90	4460	490	59000	1.80		
3.30	3890	428	59600	2.00		
2.60	5150	560	58200	1.55	R 137 RF77	Y..90L-4 AM90 AD4
3.80	3500	381	59900	2.30		
4.40	2970	323	60400	2.70		
2.70	4830	528	21700	0.90	R 107 RF77	Y..90L-4 AM90 AD2
2.60	4950	544	15700	0.85	R 107 RF77	Y..90L-4 AM90 AD4
2.90	4470	492	28500	0.95		
3.40	3790	417	31900	1.15		
3.90	3380	369	33600	1.25		
4.40	2960	323	35100	1.45		
3.00	4400	469	28900	1.00	R 107 RF77	Y..90L-4 AM90 AD3
4.20	3120	336	14100	0.95	R 97 RF57	Y..90L-4 AM90 AD3
4.80	2740	296	22700	1.10		
5.70	2300	249	25100	1.30		
6.10	2140	234	25800	1.40		
6.80	1920	209	26700	1.55	R 107	Y..100L-6 AM100 AD3
3.70	3820	251.15	31800	1.10		
4.10	3500	229.95	33200	1.25		
4.60	3090	203.16	34600	1.40		
5.40	2620	172.34	36000	1.65		
5.90	2410	158.68	36300	1.80		
6.60	2160	141.83	36600	2.00		
6.60	2160	216.28	25700	1.40	R 97	Y..90L-4 AM90 AD3
7.70	1860	186.30	26900	1.60		
8.40	1700	170.02	27300	1.75		
9.50	1510	150.78	27600	2.00		
11.0	1260	126.75	27900	2.40		
12.0	1160	116.48	28100	2.60		
14.0	1030	103.44	28200	2.90		
15.0	920	92.48	28300	3.20		
7.90	1820	181.77	13200	0.85	R 87	Y..90L-4 AM90 AD2
9.20	1550	155.34	16900	1.00		
10.0	1420	142.41	17700	1.10		
11.0	1250	124.97	18700	1.25		
12.0	1180	118.43	19000	1.30		
14.0	1030	103.65	19700	1.50		

n	M _L	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P_I=1.50kw						
15.0	930	93.38	20000	1.65	R 87	Y..90L-4 AM90 AD2
17.0	820	81.92	20000	1.90		
20.0	725	72.57	20000	2.10		
22.0	635	63.68	20000	2.40		
24.0	600	60.35	20000	2.60		
27.0	525	52.82	20000	2.90		
30.0	475	47.58	20000	3.20	R 87	Y..90L-4 AM90 AD3
34.0	415	41.74	20000	3.70		
39.0	365	36.84	19500	4.20	R 77	Y..90L-4 AM90 AD2
15.0	930	92.97	8750	0.90		
17.0	810	81.80	9930	1.00		
19.0	770	77.24	10300	1.05		
22.0	655	65.77	11200	1.25	R 77	Y..90L-4 AM90 AD2
25.0	575	57.68	11700	1.40		
27.0	520	52.07	12000	1.55		
31.0	455	45.81	12300	1.80		
33.0	430	43.26	12400	1.90	R 77	Y..90L-4 AM90 AD2
39.0	365	36.83	12600	2.20		
43.0	335	33.47	12700	2.40		
49.0	290	29.00	12500	2.80	R 77	Y..90L-4 AM90 AD3
57.0	250	25.23	12000	3.10		
61.0	230	23.37	11700	3.50		
67.0	210	21.43	11400	3.80	R 67	Y..90L-4 AM90 AD2
76.0	188	18.80	11000	4.10		
23.0	610	61.26	7390	1.00	R 67	Y..90L-4 AM90 AD2
25.0	565	56.89	7900	1.05		
28.0	515	51.56	8440	1.15		
31.0	460	46.29	8880	1.30		
36.0	395	39.88	9340	1.45	R 67	Y..90L-4 AM90 AD2
38.0	375	37.5	9490	1.50		
44.0	320	32.27	9770	1.65		
50.0	285	28.83	9930	1.80		
51.0	280	28.13	9950	1.90	R 67	Y..90L-4 AM90 AD2
54.0	265	26.72	9810	2.00		
61.0	230	23.44	9460	2.40		
72.0	199	19.89	9030	3.00	R 67	Y..90L-4 AM90 AD3
80.0	180	17.95	8770	3.30		
27.0	530	53.22	5450	0.85	R 57	Y..90L-4 AM90 AD2
30.0	480	48.23	6000	0.95		
33.0	430	43.30	5900	1.05		
38.0	370	37.30	5760	1.20	R 57	Y..90L-4 AM90 AD2
41.0	350	35.07	5690	1.30		
47.0	300	30.18	5530	1.50		
53.0	270	26.97	5400	1.65		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration			
P _i =1.50kw										
54.0	260	26.31	5370	1.70	R RF	57	Y..90L-4 AM90 AD2			
57.0	250	24.99	5310	1.80						
65.0	215	21.93	5160	2.00						
77.0	186	18.60	4960	2.40						
85.0	168	16.79	4840	2.70						
97.0	148	14.77	4680	2.90						
103	140	13.95	4610	3.10	R	57	Y..90L-4			
120	119	11.88	4420	3.40	RF	57	AM90 AD3			
39.0	365	36.93	2750	0.80	R RF	47	Y..90L-4 AM90 AD2			
41.0	345	34.73	4130	0.85						
48.0	295	29.88	4210	1.00						
54.0	265	26.70	4130	1.10						
61.0	235	23.59	4040	1.25						
61.0	230	23.28	4030	1.30	R RF	47	Y..90L-4 AM90 AD2			
66.0	215	21.81	3980	1.35						
74.0	193	19.27	3870	1.55						
80.0	179	17.89	3810	1.60						
88.0	162	16.22	3730	1.70						
98.0	146	14.56	3640	1.80	R RF	47	Y..90L-4 AM90 AD2			
114	126	12.54	3510	2.00						
121	118	11.79	3460	2.10						
141	102	10.15	3330	2.30						
158	91	9.07	3230	2.40						
178	80	8.01	3120	2.60	R RF	47	Y..90L-4 AM90 AD2			
184	78	7.76	3050	2.10						
205	70	6.96	2970	2.30						
238	60	6	2850	2.60						
254	56	5.64	2800	2.70						
295	49	4.85	2690	3.10	R RF	47	Y..90L-4 AM90 AD3			
330	43	4.34	2600	3.40						
373	38	3.83	2510	3.80						
74.0	193	19.31	2700	1.05				R RF	37	Y..90L-4 AM90 AD2
79.0	181	18.05	2880	1.10						
92.0	156	15.60	3190	1.30						
108	133	13.25	3340	1.45	R RF	37	Y..90L-4 AM90 AD2			
121	118	11.83	3260	1.55						
141	101	10.11	3140	1.70						
151	95	9.47	3100	1.75						
179	80	7.97	2970	1.95						
214	67	6.67	2810	2.20						
252	57	5.67	2700	2.50	R RF	37	Y..90L-4 AM90 AD2			
283	51	5.06	2620	2.70						
331	43	4.32	2510	2.90						
353	40	4.05	2460	3.00						
419	34	3.41	2350	3.30						
214	67	13.25	2840	2.80	R RF	37	Y..90S-2 AM90 AD2			
239	60	11.83	2760	3.10						
280	51	10.11	2640	3.30						

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =1.50kw							
299	48	9.47	2600	3.50	R	37	Y..90S-2
355	40	7.97	2480	3.90	RF	37	AM90 AD2
91.0	157	15.63	1740	0.85	R RF	27 27	Y..90L-4 AM90 AD2
108	133	13.28	2050	1.00			
121	119	11.86	2070	1.10			
141	101	10.13	2020	1.20			
175	82	8.16	1880	1.40			
188	76	7.63	1860	1.45			
217	66	6.59	1810	1.60			
255	56	5.60	1750	1.75	R RF	27 27	Y..90L-4 AM90 AD2
286	50	5.00	1700	1.90			
335	43	4.27	1640	2.00			
358	40	4.00	1620	2.10			
424	34	3.37	1550	2.30			
239	60	11.86	1820	2.20	R RF	27 27	Y..90S-2 AM90 AD2
279	51	10.13	1750	2.40			
347	41	8.16	1630	2.80			
371	39	7.63	1600	2.90			
429	33	6.59	1550	3.20			
505	28	5.60	1480	3.50			
566	25	5.00	1440	3.80			
663	22	4.27	1380	4.00			
708	20	4.00	1360	4.20			
840	17	3.37	1290	4.60			
254	56	5.63	5560	1.95	RX	77	Y..90L-4
267	54	5.35	5470	1.90	RXF	77	AM90 AD2
302	47	4.73	5270	2.60	RX RXF	77 77	Y..90L-4 AM90 AD3
354	40	4.04	5030	3.50			
386	37	3.7	4900	4.10			
440	33	3.25	4700	5.60	RX RXF	77 77	Y..90L-4 AM90 AD4
464	31	3.08	4620	6.20			
530	27	2.7	4430	8.00			
589	24	2.43	4290	8.80			
316	45	4.53	3560	1.80	RX RXF	67 67	Y..90L-4 AM90 AD2
333	43	4.30	3510	1.85			
379	38	3.77	3380	2.30			
447	32	3.20	3220	3.10	RX RXF	67 67	Y..90L-4 AM90 AD3
495	29	2.89	3120	3.70			
563	26	2.54	3010	4.60			
596	24	2.40	2950	5.10	RX RXF	67 67	Y..90L-4 AM90 AD3
700	20	2.04	2810	6.50			
770	19	1.86	2730	6.80			
889	16	1.61	2610	7.10			
1020	14	1.40	2500	7.40			
377	38	3.79	2690	1.80	RX RXF	57 57	Y..90L-4 AM90 AD2
403	36	3.55	2640	1.95			
456	31	3.14	2550	2.10			
491	29	2.91	2500	2.30			

R SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =1.50kw						
542	26	2.64	2430	2.60	RX 57 RXF 57	Y..90L-4 AM90 AD2
603	24	2.37	2350	2.90	RX 57 RXF 57	Y..90L-4 AM90 AD3
700	20	2.04	2250	3.40		
745	19	1.92	2210	3.60		
866	16	1.65	2120	4.20		
969	15	1.48	2040	4.60		
1095	13	1.30	1970	4.80		
P ₁ =2.20kw						
0.85	22300	1670	120000	0.80	R 167 RF97 RF 167 RF97	Y..100L-4 AM100 AD5
1.30	15100	1123	120000	1.20		
1.40	13400	999	120000	1.35		
1.60	11600	861	120000	1.55		
2.20	8620	656	120000	2.10		
0.99	19400	1438	120000	0.90	R 167 RF97 RF 167 RF97	Y..100L-4 AM100 AD4
1.10	17300	1279	120000	1.05		
1.90	10200	760	120000	1.75		
3.10	6120	462	72100	2.10	R 147 RF87 RF 147 RF87	Y..100L-4 AM100 AD4
2.70	7110	533	71200	1.85	R 147 RF87 RF 147 RF87	Y..100L-4 AM100 AD5
3.30	5750	426	72400	2.30		
3.90	4970	368	73000	2.60		
4.40	4390	326	73300	3.00		
1.20	15800	1166	38600	0.80	R 147 RF77 RF 147 RF77	Y..100L-4 AM100 AD3
1.40	13900	1029	60600	0.95		
1.60	12000	889	64400	1.10		
1.80	10600	784	66800	1.20		
2.00	9410	695	68600	1.40		
2.30	8450	619	69800	1.55	R 147 RF77 RF 147 RF77	Y..100L-4 AM100 AD4
2.60	7600	558	70700	1.70		
2.90	6650	489	71600	1.95		
2.00	9510	699	40600	0.85	R 137 RF77 RF 137 RF77	Y..100L-4 AM100 AD2
2.30	8260	609	52800	0.95		
2.00	9920	730	31700	0.80	R 137 RF77 RF 137 RF77	Y..100L-4 AM100 AD3
2.30	8510	629	51800	0.95		
2.90	6640	490	56000	1.20		
3.30	5790	428	57300	1.40		
2.50	7640	560	54100	1.05	R 137 RF77 RF 137 RF77	Y..100L-4 AM100 AD4
3.70	5200	381	58100	1.55		
4.40	4410	323	59100	1.80	R 137 RF77 RF 137 RF77	Y..100L-4 AM100 AD4
4.90	3970	291	59500	2.00		
5.60	3470	255	60000	2.30		
6.40	3040	223	60300	2.60		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=2.20kw						
4.40	4400	323	28900	1.00	R 107 RF77 RF 107 RF77	Y..100L-4 AM100 AD4
5.00	3870	285	31600	1.10		
5.60	3420	253	33400	1.25		
6.60	2900	214	35200	1.50		
4.40	4490	325	28400	0.95		
6.80	2840	209	22000	1.05	R 97 RF57 RF 97 RF57	Y..100L-4 AM100 AD3
4.70	4460	203.16	28500	0.95		
5.50	3790	172.34	32000	1.15		
6.00	3490	158.68	33200	1.25		
6.70	3120	141.83	34600	1.40		
5.70	3700	251.15	32300	1.15	R 107 RF 107	Y..100L-4 AM100 AD3
6.20	3390	229.95	33600	1.25		
7.00	2990	203.16	35000	1.45		
8.30	2540	172.34	36100	1.70		
9.00	2330	158.68	36400	1.85		
10.0	2090	141.83	36700	2.10	R 107 RF 107	Y..100L-4 AM100 AD3
11.0	1880	127.68	36900	2.30		
12.0	1700	115.63	37100	2.50		
14.0	1510	102.53	37200	2.80		
15.0	1360	92.7	37300	3.20		
6.60	3180	216.28	10200	0.95	R 97 RF 97	Y..100L-4 AM100 AD3
7.60	2740	186.30	22700	1.10		
8.40	2500	170.02	24000	1.20		
9.40	2220	150.78	25400	1.35		
11.0	1860	126.75	26900	1.60		
12.0	1710	116.48	27300	1.75	R 97 RF 97	Y..100L-4 AM100 AD3
14.0	1520	103.44	27600	1.95		
15.0	1360	92.48	27800	2.20		
17.0	1220	83.15	28000	2.40		
20.0	1060	72.17	28200	2.80		
22.0	960	65.21	27600	3.10	R 97 RF 97	Y..100L-4 AM100 AD3
24.0	880	59.92	26900	3.40		
27.0	780	53.21	26000	3.80		
30.0	700	47.58	25200	4.30		
11.0	1840	124.97	11700	0.85	R 87 RF 87	Y..100L-4 AM100 AD2
12.0	1740	118.43	15400	0.90		
14.0	1520	103.65	17100	1.00		
15.0	1370	93.38	18000	1.15		
17.0	1200	81.92	18900	1.30		
20.0	1060	72.57	19600	1.45	R 87 RF 87	Y..100L-4 AM100 AD2
22.0	930	63.68	20000	1.65		
24.0	880	60.35	20000	1.75		

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =2.20kw							
27.0	775	52.82	20000	2.00	R	87	Y..100L ₁ -4
30.0	700	47.58	20000	2.20	RF	87	AM100 AD2
34.0	615	41.74	19800	2.50	R	87	Y..100L ₁ -4
39.0	540	36.84	19100	2.80	RF	87	AM100 AD3
44.0	480	32.66	18500	3.20			
41.0	505	34.40	18800	3.00	R	87	Y..100L ₁ -4
45.0	460	31.40	18300	3.40	RF	87	AM100 AD3
51.0	410	27.84	17600	3.80	R	87	Y..100L ₁ -4
61.0	345	23.40	16700	4.50	RF	87	AM100 AD4
66.0	315	21.51	16300	4.70			
22.0	960	65.77	6520	0.85			
25.0	850	57.68	9630	0.95			
27.0	765	52.07	10400	1.05	R	77	Y..100L ₁ -4
31.0	675	45.81	11100	1.20	RF	77	AM100 AD2
33.0	635	43.26	11300	1.30			
39.0	540	36.83	11900	1.50			
43.0	490	33.47	12100	1.65	R	77	Y..100L ₁ -4
49.0	425	29.00	12100	1.90	RF	77	AM100 AD2
56.0	370	25.23	11600	2.10			
61.0	340	23.37	11400	2.40			
66.0	315	21.43	11100	2.60	R	77	Y..100L ₁ -4
76.0	275	18.80	10700	2.80	RF	77	AM100 AD3
80.0	260	17.82	10600	3.00			
91.0	225	15.60	10200	3.20			
101	205	14.05	9880	3.50			
36.0	585	39.88	7700	1.00	R	67	Y..100L ₁ -4
38.0	550	37.50	8080	1.05	RF	67	AM100 AD2
44.0	475	32.27	8790	1.15			
49.0	425	28.83	9170	1.20			
61.0	345	23.44	9110	1.60	R	67	Y..100L ₁ -4
					RF	67	AM100 AD2
72.0	290	19.89	8740	2.00			
79.0	260	17.95	8510	2.20			
90.0	230	15.79	8220	2.40			
96.0	215	14.91	8090	2.50	R	67	Y..100L ₁ -4
112	187	12.70	7740	2.80	RF	67	AM100 AD3
123	170	11.54	7530	2.90			
143	147	10.00	7230	3.20			
164	128	8.70	6940	3.40			
183	115	7.79	6730	3.30			
38.0	545	37.30	4750	0.80	R	57	Y..100L ₁ -4
41.0	515	35.07	5100	0.85	RF	57	AM100 AD2
47.0	445	30.18	5020	1.00			
53.0	395	26.97	4950	1.15			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =2.20kw							
65.0	320	21.93	4790	1.40	R RF	57 57	Y..100L ₁ -4 AM100 AD2
77.0	270	18.60	4650	1.65			
85.0	245	16.79	4560	1.80			
96.0	215	14.77	4440	2.00			
102	205	13.95	4380	2.10	R RF	57 57	Y..100L ₁ -4 AM100 AD3
120	175	11.88	4220	2.30			
132	159	10.79	4130	2.40			
152	138	9.35	3980	2.70			
157	134	9.06	3970	2.80			
179	118	7.97	3840	3.00			
131	160	21.93	4130	2.80	R RF	57 57	Y..90L-2 AM90 AD2
155	136	18.60	3970	3.30			
172	122	16.79	3870	3.70			
195	108	14.77	3740	4.00			
206	102	13.95	3680	4.20	R RF	57 57	Y..90L-2 AM90 AD3
74.0	280	19.27	3550	1.05	R RF	47 47	Y..100L ₁ -4 AM100 AD2
88.0	235	16.22	3460	1.15			
98.0	210	14.56	3390	1.25			
114	185	12.54	3300	1.35			
121	174	11.79	3260	1.40	R RF	47 47	Y..100L ₁ -4 AM100 AD2
140	150	10.15	3160	1.55			
157	134	9.07	3080	1.65			
178	118	8.01	2990	1.75			
184	114	7.76	2900	1.45			
205	103	6.96	2830	1.55			
238	88	6.00	2730	1.75			
253	83	5.64	2690	1.85			
294	72	4.85	2590	2.10			
329	64	4.34	2520	2.30			
372	56	3.83	2440	2.60	R RF	47 47	Y..100L ₁ -4 AM100 AD3
149	140	19.27	3110	2.10	R RF	47 47	Y..90L-2 AM90 AD2
178	118	16.22	2990	2.30			
198	106	14.56	2920	2.50			
230	92	12.54	2810	2.70			
244	86	11.79	2760	2.80			
284	74	10.15	2660	3.10			
318	66	9.07	2580	3.30			
359	58	8.01	2490	3.50			
91.0	230	15.60	1110	0.85	R RF	37 37	Y..100L ₁ -4 AM100 AD2
108	195	13.25	1690	0.95			
120	174	11.83	2010	1.05			
141	149	10.11	2380	1.15	R RF	37 37	Y..100L ₁ -4 AM100 AD2
151	140	9.47	2500	1.20			
179	118	7.97	2760	1.35			
214	98	6.67	2480	1.45			
252	84	5.67	2560	1.70			
282	75	5.06	2500	1.80			

R SERIES



n ₁ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=2.20kw						
330	64	4.32	2400	2.00	R 37 RF 37	Y..100L ₁ -4
352	60	4.05	2370	2.00		AM100
418	50	3.41	2270	2.20		AD2
185	114	15.6	2780	1.75	R 37 RF 37	Y..90L-2
217	97	13.25	2680	1.95		AM90
243	86	11.83	2620	2.10		AD2
285	74	10.11	2520	2.30	R 37 RF 37	Y..90L-2
304	69	9.47	2480	2.40		AM90
361	58	7.97	2380	2.70		AD2
432	49	6.67	2250	3.00	R 37 RF 37	Y..90L-2 AM90 AD2
508	41	5.67	2150	3.40		
569	37	5.06	2090	3.70		
666	32	4.32	2000	4.00		
712	30	4.05	1960	4.10		
845	25	3.41	1870	4.50		
141	149	10.13	1140	0.80	R 27 RF 27	Y..100L ₁ -4 AM100 AD2
216	97	6.59	1150	1.10		
254	83	5.60	1410	1.20		
285	74	5.00	1550	1.30		
334	63	4.27	1530	1.40		
356	59	4.00	1510	1.45		
423	50	3.37	1460	1.6		
217	97	13.28	1710	1.35	R 27 RF 27	Y..90L-2 AM90 AD2
243	86	11.86	1680	1.50		
284	74	10.13	1630	1.65		
437	48	6.59	1450	2.20		
514	41	5.60	1400	2.40		
576	36	5.00	1370	2.60		
674	31	4.27	1320	2.80	RX 77 RXF 77	Y..100L ₁ -4 AM100 AD3
720	29	4.00	1300	2.90		
855	25	3.37	1240	3.20		
301	70	4.73	5160	1.75		
353	60	4.04	4930	2.40		
385	55	3.70	4810	2.80		
438	48	3.25	4620	3.80	RX 77 RXF 77	Y..100L ₁ -4 AM100 AD4
463	45	3.08	4550	4.20		
529	40	2.70	4370	5.40		
587	36	2.43	4230	6.00		
669	31	2.13	4060	6.40		
758	28	1.88	3910	6.80		
855	25	1.67	3760	7.00	RX 67 RXF 67	Y..100L ₁ -4 AM100 AD2
1000	21	1.42	3580	7.40		
378	56	3.77	3270	1.55	RX 67 RXF 67	Y..100L ₁ -4 AM100 AD3
445	47	3.20	3120	2.10		
493	43	2.89	3040	2.50		
561	38	2.54	2930	3.20		
594	35	2.40	2880	3.50		
697	30	2.04	2750	4.40		

n ₁ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =2.20kw							
767	27	1.86	2670	4.60	RX RXF	67 67	Y..100L ₁ -4
886	24	1.61	2560	4.80			AM100
1020	21	1.40	2450	5.00			AD3
454	46	3.14	2440	1.40	RX RXF	57 57	Y..100L ₁ -4
540	39	2.64	2340	1.75			AM100
							AD2
601	35	2.37	2270	2.00	RX RXF	57 57	Y..100L ₁ -4 AM100 AD3
698	30	2.04	2180	2.30			
742	28	1.92	2140	2.40			
862	24	1.65	2060	2.80			
965	22	1.48	1990	3.10			
1090	19	1.30	1920	3.30			
P ₁ =3.00kw							
1.90	13800	760	120000	1.30	R RF	167 RF97 167 RF97	Y..100L ₁ -4 AM100 AD4
1.30	20300	1123	120000	0.90	R RF	167 RF97 167 RF97	Y..100L ₁ -4 AM100 AD5
1.50	18100	999	120000	1.00			
1.70	15600	861	120000	1.15			
2.20	11600	656	120000	1.55			
2.90	8950	503	120000	2.00			
3.20	8270	462	70000	1.55	R RF	147 RF87 147 RF87	Y..100L ₁ -4 AM100 AD4
2.70	9590	533	68300	1.35	R RF	147 RF87 147 RF87	Y..100L ₁ -4 AM100 AD5
3.40	7740	426	70600	1.70			
4.00	6680	368	71600	1.95			
4.50	5910	326	72300	2.20			
5.20	5010	280	72900	2.60			
1.60	16200	889	33100	0.80	R RF	147 RF77 147 RF77	Y..100L ₁ -4 AM100 AD3
1.90	14200	784	58800	0.90			
2.10	12600	695	63300	1.05			
2.40	11300	619	65700	1.15	R RF	147 RF77 147 RF77	Y..100L ₁ -4 AM100 AD4
2.60	10200	558	67500	1.25			
3.00	8920	490	50000	0.90	R RF	137 RF77 137 RF77	Y..100L ₁ -4 AM100 AD3
3.40	7790	428	53800	1.05			
3.80	6980	381	55400	1.15	R RF	137 RF77 137 RF77	Y..100L ₁ -4 AM100 AD4
4.50	5920	323	57200	1.35			
5.00	5330	291	58000	1.50			
5.70	4650	255	58800	1.70			
6.50	4080	223	59400	1.95			
2.80	9600	517	38800	0.85	R RF	137 RF77 137 RF77	Y..100L ₁ -4 AM100 AD3
3.20	8420	453	52200	0.95			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=3.00kw						
5.80	4600	253	27700	0.95	R 107 RF 107 RF77	Y..100L₂-4
6.80	3900	214	31500	1.10		AM100
7.80	3400	187	33500	1.25		AD4
5.70	4730	256	25500	0.90	R 107 RF77 RF 107 RF77	Y..100L₂-4 AM100 AD3
6.00	4760	158.68	24600	0.90	R 107 RF 107	Y..132S-6
6.70	4250	141.83	29700	1.00		AM132
7.50	3830	127.68	31800	1.10		AD3
6.30	4520	229.95	28200	0.95	R 107 RF 107	Y..100L₂-4
7.20	4000	203.16	31000	1.10		AM100
8.40	3390	172.34	33600	1.25		AD3
9.20	3120	158.68	34500	1.40	R 107 RF 107	Y..100L₂-4 AM100 AD3
10.0	2790	141.83	35600	1.55		
11.0	2510	127.68	36200	1.70		
13.0	2270	115.63	36500	1.90		
14.0	2010	102.53	36800	2.10		
16.0	1820	92.70	37000	2.40		
19.0	1540	78.57	35500	2.80		
20.0	1430	72.88	34800	3.00		
9.60	2960	150.78	20900	1.00	R 97 RF 97	Y..100L₂-4 AM100 AD3
11.0	2490	126.75	24100	1.20		
12.0	2290	116.48	25100	1.30		
14.0	2030	103.44	26200	1.45		
16.0	1820	92.48	27000	1.65		
18.0	1630	83.15	27400	1.85		
20.0	1420	72.17	27500	2.10		
22.0	1280	65.21	26700	2.30		
24.0	1170	59.92	26100	2.50		
27.0	1040	53.21	25300	2.90		
31.0	930	47.58	24500	3.20	R 97 RF 97	Y..100L₂-4 AM100 AD4
34.0	840	42.78	23800	3.60		
39.0	730	37.13	22800	4.10		
44.0	650	33.25	22100	4.40		
16.0	1830	93.38	12000	0.85	R 87 RF 87	Y..100L₂-4 AM100 AD2
18.0	1610	81.92	16500	0.95		
20.0	1420	72.57	17700	1.10		
23.0	1250	63.68	18700	1.25		
24.0	1180	60.35	19000	1.30	R 87 RF 87	Y..100L₂-4 AM100 AD2
28.0	1030	52.82	19700	1.50		
31.0	930	47.58	19800	1.65		
35.0	820	41.74	19200	1.90	R 87 RF 87	Y..100L₂-4 AM100 AD3
40.0	725	36.84	18500	2.10		
45.0	640	32.66	17900	2.40		
52.0	545	27.88	17200	2.70		
42.0	675	34.40	18200	2.20	R 87 RF 87	Y..100L₂-4 AM100 AD3
46.0	615	31.40	17800	2.50		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=3.00kw						
52.0	545	27.84	17200	2.80	R 87 RF 87	Y..100L₂-4 AM100 AD4
62.0	460	23.40	16300	3.40		
68.0	420	21.51	15900	3.50		
76.0	375	19.10	15400	3.80		
85.0	335	17.08	14900	4.10		
95.0	300	15.35	14400	4.40		
32.0	900	45.81	9090	0.90	R 77 RF 77	Y..100L₂-4 AM100 AD2
34.0	850	43.26	9620	0.95		
40.0	725	36.83	10700	1.15		
43.0	655	33.47	11200	1.25		
50.0	570	29.00	11600	1.45	R 77 RF 77	Y..100L₂-4 AM100 AD2
58.0	495	25.23	11200	1.55		
62.0	460	23.37	11000	1.80	R 77 RF 77	Y..100L₂-4 AM100 AD3
68.0	420	21.43	10700	1.95		
77.0	370	18.80	10400	2.10		
82.0	350	17.82	10200	2.20		
93.0	305	15.60	9880	2.40		
104	275	14.05	9600	2.60		
118	240	12.33	9250	2.80		
134	210	10.88	8930	3.10		
151	190	9.64	8630	3.30		
169	169	8.59	8400	3.70	R 77 RF 77	Y..100L₂-4 AM100 AD4
188	152	7.74	8150	4.00		
214	134	6.79	7830	4.30		
73.0	390	19.89	8350	1.55	R 67 RF 67	Y..100L₂-4 AM100 AD3
81.0	350	17.95	8150	1.65		
92.0	310	15.79	7900	1.80		
98.0	290	14.91	7790	1.85		
62.0	460	23.44	8660	1.20	R 67 RF 67	Y..100L₂-4 AM100 AD2
115	250	12.70	7470	2.10		
126	225	11.54	7290	2.20	R 67 RF 67	Y..100L₂-4 AM100 AD3
146	197	10.00	7010	2.40		
54.0	530	26.97	4430	0.85	R 57 RF 57	Y..100L₂-4 AM100 AD2
66.0	430	21.93	4360	1.05		
78.0	365	18.60	4280	1.25	R 57 RF 57	Y..100L₂-4 AM100 AD2
87.0	330	16.79	4220	1.35		
98.0	290	14.77	4140	1.50	R 57 RF 57	Y..100L₂-4 AM100 AD2
104	270	13.95	4100	1.55		
122	230	11.88	3980	1.75	R 57 RF 57	Y..100L₂-4 AM100 AD3
135	210	10.79	3900	1.85		
156	184	9.35	3790	2.00		
161	178	9.06	3780	2.10		

R SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =3.00kw							
183	157	7.97	3670	2.30	R RF	57	Y..100L-4 AM100 AD3
193	148	7.53	3620	2.40			
227	126	6.41	3480	2.60			
250	115	5.82	3400	2.80			
288	99	5.05	3280	3.10			
331	86	4.39	3160	3.20			
130	220	21.93	3930	2.00	R RF	57	Y..100L-2 AM100 AD2
153	187	18.60	3800	2.40			
170	169	16.79	3720	2.70			
193	148	14.77	3610	2.90	R RF	57	Y..100L-2 AM100 AD2
204	140	13.95	3560	3.10	R RF	57	Y..100L-2 AM100 AD3
240	119	11.88	3420	3.40			
264	108	10.79	3340	3.60			
90.0	315	16.22	2200	0.85	R RF	47	Y..100L-4 AM100 AD2
100	285	14.56	2650	0.90			
116	245	12.54	3040	1.00			
123	230	11.79	3020	1.05	R RF	47	Y..100L-4 AM100 AD2
143	200	10.15	2950	1.15			
160	178	9.07	2890	1.25			
182	158	8.01	2820	1.30			
188	153	7.76	2720	1.05			
209	137	6.96	2660	1.15	R RF	47	Y..100L-4 AM100 AD2
243	118	6.00	2590	1.30			
258	111	5.64	2560	1.40			
300	96	4.85	2470	1.55			
336	85	4.34	2410	1.70			
380	75	3.83	2340	1.90	R RF	47	Y..100L-4 AM100 AD3
242	119	11.79	2660	2.10	R RF	47	Y..100L-2 AM100 AD2
281	102	10.15	2570	2.20			
314	91	9.07	2500	2.40			
356	80	8.01	2420	2.60			
368	78	7.76	2360	2.10			
409	70	6.96	2300	2.30			
475	60	6.00	2210	2.60			
505	57	5.64	2180	2.70	R RF	47	Y..100L-2 AM100 AD2
587	49	4.85	2090	3.10			
657	44	4.34	2030	3.40			
744	38	3.83	1960	3.70	R RF	47	Y..100L-2 AM100 AD3
144	199	10.11	920	0.85	R RF	37	Y..100L-4 AM100 AD2
154	186	9.47	1130	0.90			
182	157	7.97	1610	1.00			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =3.00kw							
218	131	6.67	1350	1.10	R RF	37	Y..100L-4 AM100 AD2
257	112	5.67	1700	1.25			
288	100	5.06	1900	1.35			
337	85	4.32	2110	1.50			
360	80	4.05	2180	1.55			
427	67	3.41	2160	1.65			
282	102	10.11	2360	1.65	R RF	37	Y..100L-2 AM100 AD2
301	95	9.47	2370	1.75			
357	80	7.97	2280	1.95			
427	67	6.67	2160	2.20	R RF	37	Y..100L-2 AM100 AD2
503	57	5.67	2080	2.50			
563	51	5.06	2020	2.60			
660	43	4.32	1950	2.90			
704	41	4.05	1910	3.00			
836	34	3.41	1830	3.30			
260	110	5.60	450	0.90	R RF	27	Y..100L-4 AM100 AD2
291	98	5.00	695	0.95			
341	84	4.27	970	1.05			
364	79	4.00	1070	1.10			
432	66	3.37	1280	1.20			
432	66	6.59	1280	1.60	R RF	27	Y..100L-2 AM100 AD2
509	56	5.60	1320	1.75			
570	50	5.00	1300	1.90			
667	43	4.27	1260	2.00	R RF	27	Y..100L-2 AM100 AD2
712	40	4.00	1240	2.10			
846	34	3.37	1190	2.30			
225	127	6.45	7050	1.50	RX RXF	87	Y..100L-4 AM100 AD3
262	110	5.56	6760	2.00			
287	100	5.07	6580	2.50			
323	89	4.50	6350	3.30	RX RXF	87	Y..100L-4 AM100 AD4
385	74	3.78	6040	4.10			
308	93	4.73	5000	1.30	RX RXF	77	Y..100L-4 AM100 AD3
360	80	4.04	4780	1.80			
393	73	3.70	4670	2.10			
448	64	3.25	4500	2.80	RX RXF	77	Y..100L-4 AM100 AD4
472	61	3.08	4430	3.20			
386	74	3.77	3120	1.50	RX RXF	67 67	Y..100L-4 AM100 AD2
455	63	3.20	3000	1.60	RX RXF	67 67	Y..100L-4 AM100 AD3
504	57	2.89	2920	1.85			
572	50	2.54	2820	2.40			
606	47	2.40	2780	2.60			
712	40	2.04	2660	3.30			
783	37	1.86	2590	3.40			
904	32	1.61	2480	3.60			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size	Input Configuration
P ₁ =3.00kw						
1040	28	1.40	2380	3.80	RX 67 RXF 67	Y..100L-4 AM100 AD3
464	62	3.14	2310	1.05	RX 57	Y..100L-4
551	52	2.64	2220	1.35	RXF 57	AM100 AD2
614	47	2.37	2160	1.50	RX 57 RXF 57	Y..100L-4 AM100 AD3
713	40	2.04	2080	1.70		
758	38	1.92	2050	1.85		
881	32	1.65	1970	2.10		
986	29	1.48	1910	2.30		
1115	26	1.30	1850	2.40		
P ₁ =4.00kw						
1.90	18400	760	120000	1.00	R 167 RF97 RF 167 RF97	Y..112M-4 AM112 AD4
1.70	20800	861	120000	0.85	R 167 RF97 RF 167 RF97	Y..112M-4 AM112 AD5
2.20	15600	656	120000	1.15		
2.90	12000	503	120000	1.50		
3.90	8990	376	120000	2.00	R 167 RF97 RF 167 RF97	Y..112M-4 AM112 AD5
4.40	8000	335	120000	2.20		
3.20	11000	462	66100	1.15	R 147 RF87 RF 147 RF87	Y..112M-4 AM112 AD4
2.70	12800	533	63000	1.00	R 147 RF87 RF 147 RF87	Y..112M-4 AM112 AD5
3.40	10300	426	67300	1.25		
4.00	8930	368	69200	1.45		
4.50	7890	326	70400	1.65		
5.20	6720	280	71600	1.95		
5.90	5930	247	72300	2.20		
6.80	5120	214	72900	2.50		
7.70	4530	189	73200	2.90		
9.20	3810	159	73600	3.40		
2.40	15100	619	48900	0.85	R 147 RF77 RF 147 RF77	Y..112M-4 AM112 AD4
2.60	13600	558	61400	0.95		
3.00	11900	489	64700	1.10		
3.50	10100	415	67600	1.30		
3.80	9300	381	44400	0.85	R 137 RF77 RF 137 RF77	Y..112M-4 AM112 AD4
4.50	7890	323	53600	1.00		
5.00	7100	291	55200	1.15		
5.70	6210	255	56700	1.30		
6.50	5440	223	57800	1.45		
3.90	9290	376	44600	0.85	R 137 RF77 RF 137 RF77	Y..112M-4 AM112 AD3
4.30	8360	339	52400	0.95		
4.90	7320	297	54800	1.10		
7.80	4550	187	28000	0.95	R 107 RF77 RF 107 RF77	Y..112M-4 AM112 AD4

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size	Input Configuration
P₁=4.00kw						
7.60	4750	193	24700	0.90	R 107 RF77 RF 107 RF77	Y..112M-4 AM112 AD3
8.50	4250	172	29700	1.00	R 107 RF77 RF 107 RF77	Y..112M-4 AM112 AD4
4.30	8850	222.60	50300	0.90	R 137 RF 137	Y..132M-6 AM132 AD4
5.10	7490	188.45	54400	1.05		
5.50	6930	174.40	55500	1.15		
6.10	6210	156.31	56700	1.30		
6.80	5610	141.12	57600	1.40	R 137 RF 137	Y..132M-6 AM132 AD4
7.50	5100	128.18	58300	1.55	R 137 RF 137	Y..132M-6 AM132 AD4
8.40	4520	113.72	59000	1.75		
9.30	4100	103.20	59400	1.95		
11.0	3520	88.70	59900	2.30		
8.50	4500	172.34	28300	0.95	R 107 RF 107	Y..112M-4 AM112 AD3
9.20	4150	158.68	30200	1.05		
10.0	3710	141.83	32300	1.15		
11.0	3340	127.68	33800	1.30		
13.0	3020	115.63	34900	1.40		
14.0	2680	102.53	35900	1.60		
16.0	2420	92.70	36200	1.75		
19.0	2050	78.57	34600	2.10		
20.0	1900	72.88	34000	2.30		
22.0	1710	65.60	33000	2.50	R 107 RF 107	Y..112M-4 AM112 AD4
25.0	1550	59.41	32100	2.80	R 107 RF 107	Y..112M-4 AM112 AD4
28.0	1370	52.68	31000	3.10		
13.0	3040	116.48	17900	1.00		
14.0	2700	103.44	22900	1.10		
16.0	2410	92.48	24500	1.25	R 97 RF 97	Y..112M-4 AM112 AD3
18.0	2170	83.15	25700	1.40		
20.0	1880	72.17	26500	1.60		
22.0	1700	65.21	25900	1.75		
24.0	1560	59.92	25300	1.90		
27.0	1390	53.21	24600	2.20		
31.0	1240	47.58	23900	2.40	R 97 RF 97	Y..112M-4 AM112 AD4
34.0	1110	42.78	23200	2.70		
39.0	970	37.13	22300	3.10		
44.0	860	33.25	21600	3.30		
46.0	830	32.05	21400	3.00	R 97 RF 97	Y..112M-4 AM112 AD4
54.0	710	27.19	20500	3.60		

R SERIES



n:	M:	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P₁=4.00kw						
58.0	650	25.03	20000	4.30	R RF	97 97 AD5
65.0	585	22.37	19300	4.60		
72.0	525	20.14	18700	5.00		
23.0	1660	63.68	13600	0.95	R RF	87 87 AD2
24.0	1570	60.35	14200	1.00		
28.0	1380	52.82	15500	1.10		
31.0	1240	47.58	16200	1.25	R RF	87 87 AD2
35.0	1090	41.74	17000	1.40		
40.0	960	36.84	17500	1.60		
45.0	850	32.66	17400	1.80	R RF	87 87 AD3
52.0	725	27.88	16700	2.10		
42.0	900	34.40	17600	1.65		
46.0	820	31.40	17200	1.90	R RF	87 87 AD3
52.0	725	27.84	16700	2.10		
62.0	610	23.40	16000	2.50		
68.0	560	21.51	15600	2.70	R RF	87 87 AD4
76.0	495	19.10	15100	2.90		
85.0	445	17.08	14600	3.10		
95.0	400	15.35	14200	3.30	R RF	87 87 AD4
110	345	13.33	13600	3.70		
122	310	11.93	13200	3.90		
40.0	960	36.83	7040	0.85	R RF	77 77 AD2
44.0	870	33.47	9370	0.95		
50.0	755	29.00	10500	1.10		
58.0	660	25.23	10700	1.20	R RF	77 77 AD3
62.0	610	23.37	10500	1.35		
68.0	560	21.43	10300	1.45		
78.0	490	18.80	10000	1.60	R RF	77 77 AD3
82.0	465	17.82	9880	1.65		
94.0	405	15.60	9560	1.80		
104	365	14.05	9320	1.95	R RF	77 77 AD3
118	320	12.33	9010	2.10		
134	280	10.88	8710	2.30		
151	250	9.64	8430	2.50	R RF	77 77 AD4
170	220	8.59	8250	2.80		
189	200	7.74	8010	3.00		
215	178	6.79	7710	3.30	R RF	67 67 AD3
244	157	5.99	7430	3.40		
275	139	5.31	7160	3.70		
73.0	520	19.89	7920	1.15	R RF	67 67 AD3
81.0	465	17.95	7760	1.25		
92.0	410	15.79	7560	1.35		
98.0	390	14.91	7460	1.40	R RF	67 67 AD3
115	330	12.70	7200	1.55		
127	300	11.54	7040	1.65		
146	260	10.00	6790	1.80	R RF	67 67 AD3
168	225	8.70	6560	1.95		
187	200	7.79	6390	1.85		

n:	M:	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P₁=4.00kw						
198	193	7.36	6300	1.90	R RF	67 67 AD3
233	164	6.27	6030	2.00		
256	149	5.70	5870	2.10		
296	129	4.93	5640	2.20	R RF	57 57 AD2
340	112	4.29	5420	2.40		
78.0	485	18.60	3660	0.90		
87.0	435	16.79	3820	1.00	R RF	57 57 AD2
99.0	385	14.77	3790	1.15		
105	365	13.95	3770	1.20		
123	310	11.88	3700	1.30	R RF	57 57 AD3
135	280	10.79	3650	1.40		
156	240	9.35	3570	1.50		
161	235	9.06	3570	1.60	R RF	57 57 AD3
183	205	7.97	3490	1.70		
194	197	7.53	3450	1.80		
228	168	6.41	3330	2.00	R RF	47 47 AD2
251	152	5.82	3260	2.10		
289	132	5.05	3160	2.30		
333	115	4.39	3050	2.40	R RF	47 47 AD2
144	265	10.15	2060	0.85		
161	235	9.07	2440	0.95		
182	205	8.01	2630	1.00	R RF	47 47 AD2
210	182	6.96	2470	0.85		
243	157	6.00	2420	1.00		
259	148	5.64	2400	1.05	R RF	47 47 AD2
301	127	4.85	2340	1.20		
337	113	4.34	2290	1.30		
381	100	3.83	2230	1.45	R RF	47 47 AD3
179	210	16.22	2640	1.30		
199	192	14.56	2600	1.40		
231	165	12.54	2530	1.50	R RF	47 47 AD2
246	155	11.79	2500	1.60		
286	134	10.15	2430	1.70		
320	119	9.07	2380	1.85	R RF	47 47 AD2
362	106	8.01	2320	1.95		
374	102	7.76	2240	1.60		
416	92	6.96	2190	1.75	R RF	47 47 AD2
484	79	6.00	2120	1.95		
514	74	5.64	2090	2.10		
598	64	4.85	2020	2.40	R RF	47 47 AD2
669	57	4.34	1960	2.60		
757	50	3.83	1900	2.80		
263	146	5.56	6580	1.55	RX RXF	87 87 AD3
288	133	5.07	6420	1.90		
324	118	4.50	6210	2.50		
386	99	3.78	5910	3.10	RX RXF	87 87 AD4

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =4.00kw							
361 394	106 97	4.04 3.70	4630 4530	1.35 1.60	RX RXF	77 77	Y..112M-4 AM112 AD3
449 474 542 601 685 777 876 1025	85 81 70 64 56 49 44 37	3.25 3.08 2.70 2.43 2.13 1.88 1.67 1.42	4380 4310 4160 4040 3890 3750 3620 3450	2.10 2.40 3.00 3.40 3.60 3.80 4.00 4.20	RX RXF	77 77	Y..112M-4 AM112 AD4
456 505 574 608 714 786 908 1045	84 76 66 63 54 49 42 37	3.20 2.89 2.54 2.40 2.04 1.86 1.61 1.40	2860 2790 2710 2670 2560 2500 2400 2310	1.20 1.40 1.75 1.95 2.50 2.60 2.70 2.80	RX RXF	67 67	Y..112M-4 AM112 AD3
553	69	2.64	1730	1.00	RX RXF	57 57	Y..112M-4 AM112 AD2
616 715 760 884 989 1120	62 53 50 43 39 34	2.37 2.04 1.92 1.65 1.48 1.30	1840 1950 1950 1880 1830 1780	1.10 1.30 1.35 1.60 1.75 1.85	RX RXF	57 57	Y..112M-4 AM112 AD3
P ₁ =5.50kw							
2.20 2.50 2.90 3.40 3.90 4.30 4.80 5.20	21800 19000 16700 14200 12500 11100 9970 9190	656 579 503 432 376 335 303 279	120000 120000 120000 120000 120000 120000 120000 120000	0.85 0.95 1.10 1.25 1.45 1.60 1.80 1.95	R RF	167 RF97 167 RF97	Y..132S-4 AM132 AD5
3.20	15400	462	45000	0.85	R RF	147 RF87 147 RF87	Y..132S-4 AM132 AD4
3.40 4.00 4.50 5.20 5.90 6.80 7.70	14300 12300 10900 9340 8240 7120 6300	426 368 326 280 247 214 189	58400 63900 66400 68700 70000 71200 72000	0.90 1.05 1.20 1.40 1.60 1.80 2.10	R RF	147 RF87 147 RF87	Y..132S-4 AM132 AD5
5.90 6.60 8.00	8880 7990 6520	163.31 146.91 119.86	69300 70300 71800	1.45 1.65 2.00	R RF	147 147	Y..132M-6 AM132 AD4

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =5.50kw							
8.80	5940	109.31	72300	2.20	R RF	147 147	Y..132M-6 AM132 AD4
10.0	5140	94.60	72800	2.50			
12.0	4540	83.47	73200	2.90			
5.50	9490	174.40	41100	0.85	R RF	137 137	Y..132M-6 AM132 AD4
6.20	8500	156.31	51800	0.95			
6.80	7680	141.12	54100	1.05			
7.50	6970	128.18	55400	1.15			
8.50	6180	113.72	56700	1.30			
9.40	5610	103.20	57600	1.40	R RF	137 137	Y..132M-6 AM132 AD4
6.50	8030	222.60	53300	1.00	R RF	137 137	Y..132S-4 AM132 AD4
7.70	6800	188.45	55700	1.20			
8.30	6290	174.40	56600	1.25			
9.30	5640	156.31	57600	1.40			
10.0	5090	141.12	58300	1.55			
11.0	4620	128.18	58800	1.75	R RF	137 137	Y..132S-4 AM132 AD4
13.0	4100	113.72	59400	1.95			
14.0	3720	103.20	59800	2.20			
16.0	3200	88.70	60200	2.50			
18.0	2920	80.91	60400	2.70			
20.0	2650	73.49	60600	3.00			
22.0	2350	65.20	60800	3.40			
25.0	2130	59.17	60900	3.80			
29.0	1830	50.86	61000	4.40	R RF	137 137	Y..132S-4 AM132 AD5
11.0	4600	127.68	27700	0.95	R RF	107 107	Y..132S-4 AM132 AD3
13.0	4170	115.63	30100	1.05			
14.0	3700	102.53	32300	1.15			
16.0	3340	92.7	33800	1.30			
19.0	2830	78.57	33400	1.50			
20.0	2630	72.88	32800	1.65	R RF	107 107	Y..132S-4 AM132 AD4
22.0	2360	65.60	31900	1.80			
24.0	2140	59.41	31200	2.00			
28.0	1900	52.68	30200	2.30			
31.0	1710	47.63	29400	2.50			
36.0	1450	40.37	28100	3.00	R RF	97 97	Y..132S-4 AM132 AD3
18.0	3000	83.15	19700	1.00			
20.0	2600	72.17	22000	1.15			
22.0	2350	65.21	24600	1.25			
24.0	2160	59.92	24200	1.40			
27.0	1920	53.21	23500	1.55	R RF	97 97	Y..132S-4 AM132 AD4
31.0	1710	47.58	22900	1.75			
34.0	1540	42.78	22400	1.95			
39.0	1340	37.13	21600	2.20	R RF	97 97	Y..132S-4 AM132 AD4
44.0	1200	33.25	21000	2.40			
53.0	990	27.58	20000	2.70			

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n ₁ [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =5.50kw							
45.0	1150	32.05	20800	2.20	R	97	Y..132S-4
54.0	980	27.19	19900	2.60	RF	97	AM132 AD4
58.0	900	25.03	19500	3.10	R RF	97	Y..132S-4 AM132 AD5
65.0	800	22.37	18900	3.40			
72.0	725	20.14	18400	3.60			
80.0	655	18.24	17900	3.80			
90.0	580	16.17	17300	4.10	R RF	87	Y..132S-4 AM132 AD2
31.0	1710	47.58	15700	0.90			
35.0	1500	41.74	17200	1.05			
40.0	1320	36.84	17100	1.15			
45.0	1170	32.66	16700	1.30	R RF	87	Y..132S-4 AM132 AD3
52.0	1000	27.88	16100	1.50			
52.0	1000	27.84	16100	1.55			
62.0	840	23.40	15400	1.85			
68.0	775	21.51	15100	1.95	R RF	87	Y..132S-4 AM132 AD4
76.0	685	19.10	14600	2.10			
85.0	615	17.08	14200	2.30			
95.0	550	15.35	13800	2.40			
109	480	13.33	13300	2.70	R RF	87	Y..132S-4 AM132 AD5
122	430	11.93	12900	2.90			
147	355	9.90	12200	3.30			
159	330	9.14	12100	3.70			
177	295	8.22	11700	3.90	R RF	87	Y..132S-4 AM132 AD5
204	255	7.13	11200	4.20			
77.0	675	18.80	9300	1.15			
82.0	640	17.82	9370	1.20			
93.0	560	15.60	9120	1.30	R RF	77	Y..132S-4 AM132 AD3
104	505	14.05	8920	1.40			
118	440	12.33	8650	1.55			
134	390	10.88	8400	1.70			
151	345	9.64	8160	1.80	R RF	77	Y..132S-4 AM132 AD3
169	310	8.59	8040	2.00			
188	275	7.74	7820	2.20			
214	245	6.79	7540	2.40			
243	215	5.99	7280	2.50	R RF	77	Y..132S-4 AM132 AD4
274	192	5.31	7040	2.70			
92.0	570	15.79	6700	1.00			
98.0	535	14.91	6990	1.00			
115	455	12.70	6790	1.15	R RF	67	Y..132S-4 AM132 AD3
126	415	11.54	6670	1.20			
146	360	10.00	6480	1.30			
167	310	8.70	6280	1.40			
187	280	7.79	6160	1.35	R RF	67	Y..132S-4 AM132 AD3
198	265	7.36	6070	1.40			
232	225	6.27	5840	1.45			
255	205	5.70	5700	1.50			
295	178	4.93	5490	1.65	R RF	67	Y..132S-4 AM132 AD3
339	155	4.29	5290	1.75			

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =5.50kw							
332	158	8.70	5300	2.80	R RF	67 67	Y..132S-2 AM132 AD3
371	142	7.79	5160	2.70			
393	134	7.36	5080	2.80			
461	114	6.27	4850	2.90			
507	104	5.70	4720	3.00			
586	90	4.93	4530	3.20			
673	78	4.29	4350	3.50			
98.0	530	14.77	1840	0.80	R RF	57 57	Y..132S-4 AM132 AD2
104	500	13.95	2170	0.85	R RF	57 57	Y..132S-4 AM132 AD3
122	425	11.88	2980	0.95			
135	385	10.79	3270	1.00			
156	335	9.35	3240	1.10	R RF	57 57	Y..132S-4 AM132 AD3
183	285	7.97	3220	1.25			
193	270	7.53	3190	1.30			
227	230	6.41	3120	1.45			
250	210	5.82	3070	1.50			
288	182	5.05	2990	1.65			
331	158	4.39	2900	1.75			
309	170	9.35	2930	2.20	R RF	57 57	Y..132S-2 AM132 AD3
363	145	7.97	2850	2.40			
384	137	7.53	2820	2.60	R RF	57 57	Y..132S-2 AM132 AD3
451	116	6.41	2710	2.90			
496	106	5.82	2650	3.00			
573	92	5.05	2560	3.30			
658	80	4.39	2470	3.50			
300	175	4.85	1910	0.85	R RF	47 47	Y..132S-4 AM132 AD2
336	156	4.34	2110	0.95			
380	138	3.83	2070	1.05	R RF	47 47	Y..132S-4 AM132 AD3
230	225	12.54	1740	1.10	R RF	47 47	Y..132S-2 AM132 AD2
245	210	11.79	1920	1.15			
285	184	10.15	2250	1.25			
319	165	9.07	2220	1.35			
361	146	8.01	2170	1.40			
482	109	6.00	2000	1.45			
512	102	5.64	1970	1.50			
595	88	4.85	1920	1.70			
666	79	4.34	1870	1.85			
754	70	3.83	1820	2.10	R RF	47 47	Y..132S-2 AM132 AD3
220	235	6.63	10400	1.90	RX RXF	107 107	Y..132S-4 AM132 AD4
259	200	5.61	9930	2.20			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =5.50kw						
280 313	187 168	5.19 4.65	9710 9410	3.70 4.10	RX 107 RXF 107	Y..132S-4 AM132 AD5
251 296	205 177	5.79 4.91	8340 7970	2.00 2.20	RX 97 RXF 97	Y..132S-4 AM132 AD4
322 360 400 441 498 551 650 744 889	163 146 131 119 106 95 81 71 59	4.52 4.04 3.64 3.30 2.92 2.64 2.24 1.96 1.64	7790 7540 7320 7110 6860 6660 6330 6080 5750	3.60 4.10 4.50 5.00 5.60 6.20 7.40 8.10 8.50	RX 97 RXF 97	Y..132S-4 AM132 AD5
1025	51	1.42	5500	8.90	RX 97 RXF 97	Y..132S-4 AM132 AD6
323 385	162 136	4.50 3.78	6010 5740	1.80 2.20	RX 87 RXF 87	Y..132S-4 AM132 AD4
419 471 527 586 676	126 111 100 90 78	3.48 3.09 2.76 2.48 2.15	5610 5430 5260 5110 4900	3.20 3.60 4.10 4.50 5.00	RX 87 RXF 87	Y..132S-4 AM132 AD5
448 472 540 599 683 774 873 1020	117 111 97 88 77 68 60 51	3.25 3.08 2.70 2.43 2.13 1.88 1.67 1.42	4200 4150 4010 3900 3770 3640 3520 3370	1.55 1.75 2.20 2.40 2.60 2.80 2.90 3.00	RX 77 RXF 77	Y..132S-4 AM132 AD4
572 606 712 783	92 87 74 67	2.54 2.40 2.04 1.86	2540 2520 2420 2370	1.30 1.40 1.80 1.90	RX 67 RXF 67	Y..132S-4 AM132 AD3
904 1040	58 50	1.61 1.40	2290 2210	1.95 2.10	RX 67 RXF 67	Y..132S-4 AM132 AD3
713 758 881 986 1115	74 69 60 53 47	2.04 1.92 1.65 1.48 1.30	715 800 980 1060 1190	0.95 1.00 1.15 1.30 1.35	RX 57 RXF 57	Y..132S-4 AM132 AD3
P _i =7.50kw						
2.90 3.40 3.90	22700 19300 16900	503 432 376	120000 120000 120000	0.80 0.95 1.05	R 167 RF97 RF 167 RF97	Y..132M-4 AM132 AD5

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=7.50kw						
4.40	15100	335	120000	1.20	R 167 RF97 RF 167 RF97	Y..132M-4 AM132 AD5
4.90	13500	303	120000	1.35		
5.30	12500	279	120000	1.45		
4.50	14800	326	52600	0.90	R 147 RF87 RF 147 RF87	Y..132M-4 AM132 AD5
5.20	12600	280	63300	1.05		
6.00	11100	247	66000	1.15		
6.90	9660	214	68300	1.35		
7.80	8540	189	69700	1.50		
9.30	7180	159	71200	1.80		
7.80	9180	188.45	46500	0.85	R 137 RF 137	Y..132M-4 AM132 AD4
8.40	8490	174.40	51900	0.95		
9.40	7610	156.31	54200	1.05		
10.0	6870	141.12	55600	1.15		
11.0	6240	128.18	56700	1.30	R 137 RF 137	Y..132M-4 AM132 AD4
13.0	5540	113.72	57700	1.45		
14.0	5020	103.20	58400	1.60		
17.0	4320	88.70	59200	1.85		
18.0	3940	80.91	59600	2.00		
20.0	3580	73.49	59900	2.20	R 137 RF 137	Y..132M-4 AM132 AD5
23.0	3170	65.20	60200	2.50		
25.0	2880	59.17	60400	2.80		
29.0	2470	50.86	60700	3.20	R 107 RF 107	Y..132M-4 AM132 AD3
16.0	4510	92.70	28200	0.95		
19.0	3820	78.57	31600	1.10		
20.0	3550	72.88	31100	1.20		
22.0	3190	65.60	30400	1.35	R 107 RF 107	Y..132M-4 AM132 AD4
25.0	2890	59.41	29800	1.50		
28.0	2560	52.68	29000	1.70	R 107 RF 107	Y..132M-4 AM132 AD4
31.0	2320	47.63	28300	1.85		
36.0	1960	40.37	27100	2.20		
42.0	1710	35.26	26200	2.50		
50.0	1430	29.49	25000	3.00		
48.0	1490	30.77	25300	2.90	R 107 RF 107	Y..132M-4 AM132 AD5
53.0	1340	27.58	24600	3.20		
59.0	1210	24.90	23900	3.50		
65.0	1100	22.62	23200	3.90		
25.0	2910	59.92	21500	1.05	R 97 RF 97	Y..132M-4 AM132 AD3
28.0	2590	53.21	22100	1.15		
31.0	2310	47.58	21600	1.30	R 97 RF 97	Y..132M-4 AM132 AD4
34.0	2080	42.78	21200	1.45		
40.0	1800	37.13	20600	1.65		
44.0	1610	33.25	20100	1.80	R 97 RF 97	Y..132M-4 AM132 AD4
53.0	1340	27.58	19200	2.00		

R SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =7.50kw							
46.0	1560	32.05	19900	1.65	R	97	Y..132M-4
54.0	1320	27.19	19200	1.95	RF	97	AM132 AD4
59.0	1210	25.03	18800	2.30	R RF	97 97	Y..132M-4 AM132 AD5
66.0	1090	22.37	18300	2.50			
73.0	980	20.14	17800	2.70			
81.0	880	18.24	17300	2.80			
40.0	1790	36.84	14800	0.85	R RF	87 87	Y..132M-4 AM132 AD3
45.0	1590	32.66	15600	0.95			
53.0	1350	27.88	15200	1.10	R RF	87 87	Y..132M-4 AM132 AD4
53.0	1350	27.84	15200	1.15			
63.0	1140	23.40	14600	1.35			
68.0	1040	21.51	14400	1.45			
77.0	930	19.10	14000	1.55			
86.0	830	17.08	13600	1.65			
96.0	745	15.35	12600	1.80			
110	645	13.33	12800	1.95			
123	580	11.93	12500	2.10			
148	480	9.90	11900	2.40			
161	445	9.14	11800	2.70	R RF	87 87	Y..132M-4 AM132 AD5
179	400	8.22	11500	2.90			
206	345	7.13	11000	3.10			
230	310	6.39	10700	3.30			
277	255	5.30	10100	3.50	R RF	87 87	Y..132M-4 AM132 AD5
78.0	910	18.80	5530	0.85	R RF	77 77	Y..132M-4 AM132 AD3
82.0	860	17.82	5920	0.90			
94.0	755	15.60	6770	0.95			
105	680	14.05	7310	1.05			
119	600	12.33	7850	1.15			
135	525	10.88	7960	1.25			
152	465	9.64	7770	1.35			
171	415	8.59	7690	1.50	R RF	77 77	Y..132M-4 AM132 AD4
190	375	7.74	7540	1.60			
216	330	6.79	7290	1.75			
245	290	5.99	7060	1.85			
277	255	5.31	6840	1.95			
116	615	12.70	4420	0.85	R RF	67 67	Y..132M-4 AM132 AD3
127	560	11.54	5020	0.90			
147	485	10.00	5750	0.95			
169	420	8.70	5900	1.05			
189	375	7.79	5610	1.00			
200	355	7.36	5760	1.05			
235	305	6.27	5560	1.10			
258	275	5.70	5450	1.10			
298	240	4.93	5270	1.20			
342	205	4.29	5100	1.30			
184	385	7.97	1130	0.90	R RF	57 57	Y..132M-4 AM132 AD3
195	365	7.53	1420	0.95			
229	310	6.41	2130	1.05			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =7.50kw							
252	280	5.82	2470	1.15	R RF	57 57	Y..132M-4 AM132 AD3
291	245	5.05	2750	1.25			
335	210	4.39	2700	1.30			
197	360	14.77	2590	1.20	R RF	57 57	Y..132S ₁ -2 AM132 AD2
209	340	13.95	2800	1.25	R RF	57 57	Y..132S ₁ -2 AM132 AD3
245	290	11.88	2780	1.40			
270	265	10.79	2750	1.45			
311	230	9.35	2700	1.60			
365	196	7.97	2660	1.80			
387	185	7.53	2640	1.90			
454	158	6.41	2560	2.10	R RF	57 57	Y..132S ₁ -2 AM132 AD3
500	143	5.82	2520	2.20			
577	124	5.05	2440	2.50	R RF	57 57	Y..132S ₁ -2 AM132 AD3
663	108	4.39	2370	2.60			
222	320	6.63	10000	1.45	RX RXF	107 107	Y..132M-4 AM132 AD4
262	270	5.61	9620	1.65			
283	250	5.19	9420	2.80	RX RXF	107 107	Y..132M-4 AM132 AD5
316	225	4.65	9140	3.10			
350	200	4.20	8890	4.10			
254	280	5.79	8020	1.50	RX RXF	97 97	Y..132M-4 AM132 AD4
299	235	4.91	7700	1.65			
325	220	4.52	7530	2.70	RX RXF	97 97	Y..132M-4 AM132 AD5
364	197	4.04	7310	3.00			
404	177	3.64	7100	3.40			
446	161	3.30	6910	3.70			
503	142	2.92	6680	4.20			
327	215	4.50	5720	1.30	RX RXF	87 87	Y..132M-4 AM132 AD4
389	184	3.78	5500	1.65			
423	169	3.48	5380	2.40	RX RXF	87 87	Y..132M-4 AM132 AD5
476	150	3.09	5220	2.70			
533	134	2.76	5080	3.00			
592	121	2.48	4940	3.40			
682	105	2.15	4750	3.70			
762	94	1.93	4610	3.80			
919	78	1.60	4370	4.00			
1055	68	1.39	4200	4.30			
452	158	3.25	3890	1.15	RX RXF	77 77	Y..132M-4 AM132 AD4
477	150	3.08	3910	1.30			
545	131	2.70	3800	1.65			
605	118	2.43	3710	1.80			
690	104	2.13	3600	1.95			
782	92	1.88	3480	2.00			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =7.50kw							
882	81	1.67	3380	2.10	RX	77	Y..132M-4
1035	69	1.42	3240	2.20	RXF	77	AM132 AD4
578	124	2.54	1600	0.95	RX RXF	67	Y..132M-4 AM132 AD3
612	117	2.40	1700	1.05			
719	100	2.04	1890	1.35			
792	90	1.86	2000	1.40			
914	78	1.61	2120	1.45	RX RXF	67	Y..132M-4 AM132 AD3
1050	68	1.40	2070	1.50			
P ₁ =11.0kw							
5.00	19100	295	120000	0.95	R	167RF107	Y..160M-4
5.50	17700	270	120000	1.00	RF	167RF107	AM160 AD6
6.40	15000	229	120000	1.20	R RF	167RF107	Y..160M-4 AM160 AD6
7.40	13000	200	120000	1.40			
8.70	10900	169	120000	1.65			
5.10	19400	291	120000	0.90	R RF	167RF107 167RF107	Y..160M-4 AM160 AD5
4.40	22200	335	120000	0.80	R RF	167 RF97 167 RF97	Y..160M-4 AM160 AD5
4.90	19900	303	120000	0.90			
5.30	18400	279	120000	1.00			
6.00	16400	247	29900	0.80	R RF	147 RF87 147 RF87	Y..160M-4 AM160 AD5
6.90	14100	214	60000	0.90			
7.80	12500	189	63600	1.05			
9.30	10500	159	67000	1.25			
6.40	16300	229.71	120000	1.10	R RF	167 167	Y..160M-4 AM160 AD5
7.90	13300	186.93	120000	1.35			
9.60	10900	153.07	120000	1.65	R RF	167 167	Y..160M-4 AM160 AD5
11.0	9960	139.98	120000	1.80			
12.0	8670	121.81	120000	2.10			
14.0	7650	107.49	120000	2.40			
16.0	6630	93.19	120000	2.70			
18.0	5900	82.91	120000	3.00			
9.00	11600	163.31	65200	1.10	R RF	147 147	Y..160M-4 AM160 AD4
10.0	10400	146.91	67100	1.25			
12.0	8530	119.86	69700	1.50			
13.0	7780	109.31	70500	1.65	R RF	147 147	Y..160M-4 AM160 AD4
16.0	6730	94.60	71600	1.95			
18.0	5940	83.47	72300	2.20			
20.0	5130	72.09	72900	2.50	R RF	147 147	Y..160M-4 AM160 AD5
22.0	4770	66.99	73100	2.70			
24.0	4350	61.09	73300	3.00			
28.0	3760	52.87	73700	3.40			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =11.0kw							
10.0	10000	141.12	28200	0.80	R RF	137	Y..160M-4 AM160 AD4
12.0	9120	128.18	47300	0.90			
13.0	8090	113.72	53200	1.00			
14.0	7340	103.20	54700	1.10			
17.0	6310	88.70	56500	1.25	R RF	137	Y..160M-4 AM160 AD4
18.0	5760	80.91	57400	1.40			
20.0	5230	73.49	58100	1.55			
23.0	4640	65.20	58800	1.70			
25.0	4210	59.17	59300	1.90			
29.0	3620	50.86	59900	2.20	R RF	137	Y..160M-4 AM160 AD5
33.0	3160	44.39	60200	2.50			
39.0	2680	37.65	60600	3.00			
45.0	2340	32.91	60800	3.40			
22.0	4670	65.60	27300	0.90	R RF	107	Y..160M-4 AM160 AD4
25.0	4230	59.41	27500	1.00			
28.0	3750	52.68	27000	1.15			
31.0	3390	47.63	26500	1.25			
37.0	2870	40.37	25600	1.50			
42.0	2510	35.26	24900	1.70			
50.0	2100	29.49	23900	2.00			
48.0	2190	30.77	24100	1.95	R RF	107	Y..160M-4 AM160 AD5
53.0	1960	27.58	23500	2.20			
59.0	1770	24.90	22900	2.40			
65.0	1610	22.62	22400	2.70			
74.0	1420	20.07	21700	3.00			
81.0	1290	18.21	21100	3.30			
34.0	3040	42.78	18000	1.00	R RF	97	Y..160M-4 AM160 AD4
40.0	2640	37.13	18900	1.15			
44.0	2360	33.25	18600	1.20			
53.0	1960	27.58	18000	1.35			
59.0	1780	25.03	17600	1.60	R RF	97	Y..160M-4 AM160 AD5
66.0	1590	22.37	17200	1.70			
73.0	1430	20.14	16800	1.80			
81.0	1290	18.24	16500	1.90	R RF	97	Y..160M-4 AM160 AD5
91.0	1150	16.17	16000	2.10			
101	1040	14.62	15600	2.20			
119	880	12.39	15000	2.50			
136	770	10.83	14500	2.70			
159	660	9.29	14200	3.10			
176	595	8.39	13800	3.40			
207	505	7.12	13100	4.00			
237	440	6.21	12600	4.30			
69.0	1530	21.51	13200	1.00	R RF	87	Y..160M-4 AM160 AD4
77.0	1360	19.10	12900	1.05			
86.0	1210	17.08	12700	1.15			
96.0	1090	15.35	12500	1.25	R RF	87	Y..160M-4 AM160 AD4
111	940	13.33	12100	1.35			
124	840	11.93	11800	1.45			
149	705	9.90	11300	1.65			

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n ₁ [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =11.0kw							
161	650	9.14	11400	1.85	R RF	87 87	Y..160M-4 AM160 AD5
179	585	8.22	11100	2.00			
207	505	7.13	10700	2.10			
231	455	6.39	10400	2.20			
278	375	5.30	9840	2.40			
136	770	10.88	4410	0.85	R	77	Y..160M-4 AM160 AD3
153	685	9.64	5130	0.90	RF	77	
191	550	7.74	4750	1.10	R RF	77 77	Y..160M-4 AM160 AD4
217	480	6.79	5350	1.20			
246	425	5.99	5800	1.25			
278	375	5.31	6150	1.35			
284	365	5.19	8950	1.90	RX RXF	107 107	Y..160M-4 AM160 AD5
317	330	4.65	8720	2.10			
351	295	4.20	8510	2.80			
387	270	3.81	8300	3.00			
436	240	3.38	8050	3.40			
480	215	3.07	7840	3.80	RX	107	Y..160M-4 AM160 AD6
559	188	2.64	7520	4.40	RXF	107	
326	320	4.52	7120	1.85	RX RXF	97 97	Y..160M-4 AM160 AD5
365	285	4.04	6940	2.10			
405	255	3.64	6760	2.30			
447	230	3.30	6600	2.50			
505	205	2.92	6400	2.90			
558	188	2.64	6240	3.20			
658	160	2.24	5970	3.70			
754	139	1.96	5750	4.10			
901	116	1.64	5470	4.30			
1040	101	1.42	5240	4.50			
					RXF	97	
424	245	3.48	5000	1.65	RX RXF	87 87	Y..160M-4 AM160 AD5
478	215	3.09	4880	1.85			
534	197	2.76	4770	2.10			
594	177	2.48	4660	2.30			
685	153	2.15	4500	2.50	RX RXF	87 87	Y..160M-4 AM160 AD5
765	137	1.93	4380	2.60			
922	114	1.60	4170	2.80			
1060	99	1.39	4020	2.90			
607	173	2.43	1980	1.25	RX RXF	77 77	Y..160M-4 AM160 AD4
692	152	2.13	2220	1.30			
785	134	1.88	2400	1.40			
885	119	1.67	2530	1.45			
1035	101	1.42	2630	1.55			
P ₁ =15.0kw							
6.40	20700	229	120000	0.85	R RF	167RF107 167RF107	Y..160L-4 AM160 AD6
7.30	18000	200	120000	1.00			
8.60	15200	169	120000	1.20			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _i =15.0kw							
6.50	20800	227	120000	0.85	R RF	167RF107 167RF107	Y..160L-4 AM160 AD5
7.40	18100	198	120000	1.00	R RF	167RF107 167RF107	Y..160L-4 AM160 AD6
6.40	22400	229.71	120000	0.80	R	167	Y..160L-4 AM160 AD5
7.80	18200	186.93	120000	1.00	R RF	167	
9.60	14900	153.07	120000	1.20	R RF	167 167	Y..160L-4 AM160 AD5
10.0	13600	139.98	120000	1.30			
12.0	11900	121.81	120000	1.50			
14.0	10500	107.49	120000	1.70			
16.0	9110	93.19	120000	2.00			
18.0	8100	82.91	120000	2.20			
20.0	7200	73.70	120000	2.50			
22.0	6580	67.40	120000	2.70	R RF	167 167	Y..160L-4 AM160 AD6
9.00	15900	163.31	37100	0.80	R RF	147 147	Y..160L-4 AM160 AD4
10.0	14300	146.91	58000	0.90			
12.0	11700	119.86	65100	1.10			
13.0	10600	109.31	66800	1.20			
15.0	9240	94.60	68800	1.40	R	147	Y..160L-4 AM160 AD4
18.0	8160	83.47	70100	1.60	R RF	147	
20.0	7040	72.09	71300	1.85	R	147	Y..160L-4 AM160 AD5
22.0	6540	66.99	71700	2.00	R RF	147	
24.0	5970	61.09	72200	2.20	R RF	147 147	Y..160L-4 AM160 AD5
28.0	5160	52.87	72800	2.50			
31.0	4560	46.65	73200	2.80			
14.0	10000	103.20	27000	0.80	R RF	137 137	Y..160L-4 AM160 AD4
17.0	8670	88.70	51100	0.90			
18.0	7910	80.91	53600	1.00			
20.0	7180	73.49	55000	1.10			
22.0	6370	65.20	56400	1.25	R	137	Y..160L-4 AM160 AD4
25.0	5780	59.17	57400	1.40	R RF	137	
29.0	4970	50.86	58400	1.60	R RF	137 137	Y..160L-4 AM160 AD5
33.0	4340	44.39	59200	1.85			
39.0	3680	37.65	59800	2.20			
45.0	3210	32.91	60200	2.50			
53.0	2720	27.83	60500	2.80			
31.0	4650	47.63	24400	0.90	R RF	107 107	Y..160L-4 AM160 AD4
36.0	3940	40.37	23900	1.10			
42.0	3440	35.26	23400	1.25			
50.0	2880	29.49	22600	1.50			

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =15.0kw						
48.0	3000	30.77	22800	1.45	R 107 RF 107	Y..160L-4 AM160 AD5
53.0	2690	27.58	22300	1.60		
59.0	2430	24.90	21900	1.75		
65.0	2210	22.62	21400	1.95		
73.0	1960	20.07	20900	2.20		
80.0	1780	18.21	20400	2.40		
94.0	1530	15.65	19700	2.80		
					R 107 RF 107	Y..160L-4 AM160 AD6
107	1330	13.66	19000	3.20		
					R 97 RF 97	Y..160L-4 AM160 AD4
53.0	2690	27.58	16500	1.00		
					R 97 RF 97	Y..160L-4 AM160 AD5
59.0	2440	25.03	16300	1.15	R 97 RF 97	Y..160L-4 AM160 AD5
65.0	2180	22.37	16100	1.25		
73.0	1960	20.14	15800	1.35		
80.0	1780	18.24	15500	1.40		
91.0	1580	16.17	15200	1.50		
100	1420	14.62	14900	1.60		
118	1210	12.39	14400	1.80		
135	1050	10.83	14000	1.95		
158	900	9.29	13800	2.20		
					R 97 RF 97	Y..160L-4 AM160 AD5
175	820	8.39	13400	2.50	R 97 RF 97	Y..160L-4 AM160 AD5
206	695	7.12	12800	2.90		
236	605	6.21	12400	3.10		
					R 87 RF 87	Y..160L-4 AM160 AD4
86.0	1660	17.08	11600	0.85	R 87 RF 87	Y..160L-4 AM160 AD4
95.0	1500	15.35	11500	0.90		
110	1300	13.33	11300	1.00		
123	1160	11.93	11100	1.05		
148	960	9.90	10700	1.20	R 87 RF 87	Y..160L-4 AM160 AD4
160	890	9.14	11000	1.35	R 87 RF 87	Y..160L-4 AM160 AD5
178	800	8.22	10700	1.45		
205	695	7.13	10300	1.55		
229	620	6.39	10100	1.65		
276	515	5.30	9590	1.75		
282	505	5.19	8430	1.35	RX 107 RXF 107	Y..160L-4 AM160 AD5
315	450	4.65	8250	1.55		
349	410	4.20	8080	2.00		
384	370	3.81	7920	2.20		
433	330	3.38	7700	2.50	RX 107 RXF 107	Y..160L-4 AM160 AD5
477	300	3.07	7530	2.80	RX 107 RXF 107	Y..160L-4 AM160 AD6
555	255	2.64	7250	3.20		
636	225	2.30	7000	3.70		
750	191	1.95	6700	4.00		
858	167	1.71	6460	4.20		
1015	141	1.44	6160	4.60		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _I =15.0kw							
324	440	4.52	6660	1.35	RX RXF	97 97	Y..160L-4 AM160 AD5
362	395	4.04	6520	1.50			
402	355	3.64	6390	1.65			
444	320	3.30	6260	1.85			
501	285	2.92	6100	2.10			
554	255	2.64	5960	2.30			
654	215	2.24	5730	2.70			
749	191	1.96	5540	3.00	RX	97	Y..160L-4 AM160 AD5
895	160	1.64	5290	3.20	RXF	97	
1035	138	1.42	5080	3.30	RX	97	Y..160L-4 AM160 AD6
					RXF	97	
421	335	3.48	4280	1.20	RX RXF	87 87	Y..160L-4 AM160 AD5
475	300	3.09	4500	1.35			
531	265	2.76	4420	1.50			
590	240	2.48	4340	1.65			
680	210	2.15	4230	1.85			
760	189	1.93	4130	1.90	RX RXF	87 87	Y..160L-4 AM160 AD5
916	156	1.60	3960	2.00			
1055	136	1.39	3840	2.10			
P _I =18.5kw							
7.80	22500	186.93	120000	0.80	R RF	167 167	Y..180M-4 AM180 AD5
9.60	18400	153.07	120000	1.00			
10.0	16800	139.98	120000	1.05			
12.0	14600	121.81	120000	1.25			
14.0	12900	107.49	120000	1.40	R RF	167 167	Y..180M-4 AM180 AD5
16.0	11200	93.19	120000	1.60			
18.0	9990	82.91	120000	1.80			
20.0	8880	73.70	120000	2.00			
22.0	8120	67.40	120000	2.20	R RF	167 167	Y..180M-4 AM180 AD6
25.0	7070	58.65	120000	2.60			
12.0	14400	119.86	57000	0.90	R RF	147 147	Y..180M-4 AM180 AD4
13.0	13100	109.31	62300	1.00			
15.0	11400	94.60	65600	1.15			
18.0	10000	83.47	67700	1.30	R RF	147 147	Y..180M-4 AM180 AD4
20.0	8690	72.09	69500	1.50	R RF	147 147	Y..180M-4 AM180 AD5
22.0	8070	66.99	70200	1.60			
24.0	7360	61.09	71000	1.75			
28.0	6370	52.87	71900	2.00			
31.0	5620	46.65	72500	2.30			
36.0	4850	40.29	73000	2.70	R RF	147 147	Y..180M-4 AM180 AD6

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n ₁ [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=18.5kw						
18.0	9750	80.91	35600	0.80	R 137 RF 137	Y..180M-4
20.0	8860	73.49	50200	0.90		AM180
22.0	7860	65.20	53700	1.00		AD4
25.0	7130	59.17	55100	1.10		
29.0	6130	50.86	56800	1.30	R 137 RF 137	Y..180M-4
33.0	5350	44.39	58000	1.50		AM180
39.0	4540	37.65	58900	1.75		AD5
45.0	3960	32.91	59500	2.00		
53.0	3350	27.83	60100	2.30		
50.0	3560	29.57	59900	2.20	R 137 RF 137	Y..180M-4
61.0	2900	24.12	60400	2.80		AM180
67.0	2650	22.00	60600	3.00	R 137 RF 137	AD6
77.0	2290	19.04	60800	3.50		Y..180M-4
87.0	2020	16.80	60900	4.00		AM180
36.0	4860	40.37	20200	0.90	R 107 RF 107	AD7
42.0	4250	35.26	22000	1.00		Y..180M-4
50.0	3550	29.49	21500	1.20		AM180
59.0	3000	24.90	20900	1.45	R 107 RF 107	AD4
65.0	2720	22.62	20600	1.60		Y..180M-4
73.0	2410	20.07	20100	1.80		AM180
80.0	2190	18.21	19700	1.95		AD5
94.0	1880	15.65	19100	2.30		
107	1640	13.66	18500	2.60	R 107 RF 107	
126	1390	11.59	17800	3.10		Y..180M-4
145	1220	10.13	17200	3.50		AM180
186	940	7.86	16300	3.10		AD6
220	800	6.66	15600	3.70		
73.0	2420	20.14	14900	1.05	R 97 RF 97	Y..180M-4
80.0	2190	18.24	14700	1.15		AM180
91.0	1950	16.17	14500	1.25		AD5
100	1760	14.62	14200	1.30		
118	1490	12.39	13800	1.45		Y..180M-4
135	1300	10.83	13500	1.60		AM180
158	1110	9.29	13400	1.80		AD5
175	1010	8.39	13100	2.00		
206	850	7.12	12600	2.30		Y..180M-4
236	745	6.21	12100	2.50		AM180
282	625	5.20	11600	2.80		AD6
326	540	4.50	11100	3.00		
110	1600	13.33	10600	0.80	R 87 RF 87	Y..180M-4
123	1430	11.93	10400	0.85		AM180
148	1190	9.90	10200	1.00		AD4
160	1100	9.14	10600	1.10	R 87 RF 87	Y..180M-4
178	990	8.22	10300	1.15		AM180
205	860	7.13	10000	1.25		AD5
229	770	6.39	9770	1.30		
276	635	5.30	9350	1.40		Y..180M-4
						AM180

n ₁ [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =18.5kw						
349	505	4.20	7710	1.65	RX 107 RXF 107	Y..180M-4
384	460	3.81	7580	1.80		AM180
433	405	3.38	7400	2.00		AD5
477	370	3.07	7250	2.20	RX 107 RXF 107	Y..180M-4
555	315	2.64	7000	2.60		AM180
636	275	2.30	6780	3.00		AD6
750	235	1.95	6510	3.20		
858	205	1.71	6290	3.40		
1015	174	1.44	6020	3.70		
402	435	3.64	6060	1.35	RX 97 RXF 97	Y..180M-4
444	395	3.30	5960	1.50		AM180
501	350	2.92	5830	1.70		AD5
554	315	2.64	5710	1.85		
654	270	2.24	5510	2.20		
749	235	1.96	5350	2.40		
895	197	1.64	5120	2.60		
1035	171	1.42	4940	2.70	RX 97 RXF 97	Y..180M-4 AM180 AD6
531	330	2.76	3040	1.20	RX 87 RXF 87	Y..180M-4
590	295	2.48	3340	1.35		AM180
680	255	2.15	3630	1.50		AD5
760	230	1.93	3820	1.55		
916	193	1.60	3770	1.65		
1055	168	1.39	3660	1.75		
P ₁ =22.0kw						
9.60	21800	153.07	120000	0.85	R 167 RF 167	Y..180L-4
11.0	19900	139.98	120000	0.90		AM180
12.0	17300	121.81	120000	1.05		AD5
14.0	15300	107.49	120000	1.20	R 167 RF 167	Y..180L-4
16.0	13200	93.19	120000	1.35		AM180
18.0	11800	82.91	120000	1.50		AD5
20.0	10400	73.70	120000	1.70		
22.0	9590	67.40	120000	1.90	R 167 RF 167	Y..180L-4
25.0	8350	58.65	120000	2.20		AM180
28.0	7370	51.76	120000	2.40		AD6
33.0	6390	44.87	120000	2.80	R 167 RF 167	Y..180L-4 AM180 AD7
13.0	15500	109.31	42800	0.85	R 147 RF 147	Y..180L-4
16.0	13400	94.60	61700	0.95		AM180
18.0	11800	83.47	64800	1.10		AD4
20.0	10200	72.09	67400	1.25	R 147 RF 147	Y..180L-4 AM180 AD5
22.0	9540	66.99	68400	1.35	R 147 RF 147	Y..180L-4
24.0	8700	61.09	69500	1.50		AM180
28.0	7530	52.87	70800	1.75		AD5
32.0	6640	46.65	71700	1.95		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=22.0kw						
37.0	5730	40.29	72400	2.30	R 147 RF 147	Y..180L-4 AM180 AD6
41.0	5070	35.64	72900	2.60	R 147 RF 147	Y..180L-4 AM180 AD7
49.0	4260	29.95	73400	3.00		
23.0	9280	65.20	44700	0.85	R 137 RF 137	Y..180L-4 AM180 AD4
25.0	8420	59.17	52200	0.95		
29.0	7240	50.86	54900	1.10	R 137 RF 137	Y..180L-4 AM180 AD5
33.0	6320	44.39	56500	1.25		
39.0	5360	37.65	57900	1.50	R 137 RF 137	Y..180L-4 AM180 AD5
45.0	4680	32.91	58800	1.70		
53.0	3960	27.83	59500	1.95		
50.0	4210	29.57	59300	1.85	R 137 RF 137	Y..180L-4 AM180 AD6
61.0	3430	24.12	60000	2.30		
67.0	3130	22.00	60200	2.60	R 137 RF 137	Y..180L-4 AM180 AD7
77.0	2710	19.04	60500	3.00		
88.0	2390	16.80	60700	3.30	R 137 RF 137	Y..180L-4 AM180 AD7
102	2060	14.51	60900	3.90		
115	1820	12.83	61000	4.40		
42.0	5020	35.26	10900	0.85	R 107 RF 107	Y..180L-4 AM180 AD4
50.0	4200	29.49	20400	1.00		
59.0	3540	24.90	20000	1.20	R 107 RF 107	Y..180L-4 AM180 AD5
65.0	3220	22.62	19700	1.35		
74.0	2850	20.07	19300	1.50		
81.0	2590	18.21	19000	1.65	R 107 RF 107	Y..180L-4 AM180 AD5
94.0	2220	15.65	18400	1.95		
108	1940	13.66	17900	2.20	R 107 RF 107	Y..180L-4 AM180 AD6
127	1650	11.59	17300	2.60		
146	1440	10.13	16800	3.00		
172	1210	8.56	16100	3.50		
221	940	6.66	15300	3.10	R 107 RF 107	Y..180L-4 AM180 AD6
253	820	5.82	14800	3.60		
73.0	2860	20.14	14000	0.90		
81.0	2590	18.24	13900	0.95	R 97 RF 97	Y..180L-4 AM180 AD5
91.0	2300	16.17	13700	1.05		
101	2080	14.62	13500	1.10		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=22.0kw						
119	1760	12.39	13200	1.25		
136	1540	10.83	12900	1.35		
159	1320	9.29	13100	1.55	R 97 RF 97	Y..180L-4 AM180 AD5
176	1190	8.39	12800	1.70		
207	1010	7.12	12300	1.95		
237	880	6.21	11900	2.10		
284	740	5.20	11300	2.40	R 97 RF 97	Y..180L-4 AM180 AD6
328	640	4.50	10900	2.50		
149	1410	9.90	9640	0.85	R 87 RF 87	Y..180L-4 AM180 AD4
161	1300	9.14	10100	0.95		
179	1170	8.22	9950	1.00	R 87 RF 87	Y..180L-4 AM180 AD5
207	1010	7.13	9680	1.05		
231	900	6.39	9470	1.10		
278	750	5.30	9100	1.20		
351	595	4.20	7330	1.40	RX 107 RXF 107	Y..180L-4 AM180 AD5
387	540	3.81	7220	1.55		
436	480	3.38	7080	1.70		
480	435	3.07	6950	1.90	RX 107 RXF 107	Y..180L-4 AM180 AD6
559	375	2.64	6750	2.20		
640	325	2.30	6550	2.50	RX 107 RXF 107	Y..180L-4 AM180 AD6
755	275	1.95	6310	2.80		
863	240	1.71	6110	2.90		
1020	205	1.44	5860	3.10		
405	515	3.64	5720	1.15		
447	465	3.30	5650	1.25		
505	415	2.92	5550	1.45	RX 97 RXF 97	Y..180L-4 AM180 AD5
558	375	2.64	5460	1.60		
658	315	2.24	5290	1.85		
754	275	1.96	5150	2.00		
901	230	1.64	4950	2.20		
1040	200	1.42	4780	2.20	RX 97 RXF 97	Y..180L-4 AM180 AD6
534	390	2.76	1310	1.05	RX 87 RXF 87	Y..180L-4 AM180 AD5
594	350	2.48	1750	1.15		
685	305	2.15	2190	1.25		
765	270	1.93	2480	1.30	RX 87 RXF 87	Y..180L-4 AM180 AD5
922	225	1.60	2780	1.40		
1060	198	1.39	3060	1.45		
P_i=30.0kw						
14.0	20800	107.49	120000	0.85	R 167 RF 167	Y..200L-4 AM200 AD5
16.0	18000	93.19	120000	1.00		
18.0	16100	82.91	120000	1.10		

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n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_I=30.0kw						
20.0	14300	73.70	120000	1.25	R 167 RF 167	Y..200L-4 AM200 AD5
22.0	13000	67.40	120000	1.40	R 167 RF 167	Y..200L-4 AM200 AD6
25.0	11300	58.65	120000	1.60		
28.0	10000	51.76	120000	1.80		
33.0	8710	44.87	120000	2.10	R 167 RF 167	Y..200L-4 AM200 AD7
37.0	7750	39.92	120000	2.30		
43.0	6680	34.41	120000	2.70		
53.0	5430	27.96	120000	3.30	R 167 RF 167	Y..200L-4 AM200 AD8
62.0	4600	23.71	120000	3.90		
18.0	16200	83.47	33300	0.80	R 147 RF 147	Y..200L-4 AM200 AD4
20.0	14000	72.09	60500	0.95		
22.0	13000	66.99	62600	1.00	R 147 RF 147	Y..200L-4 AM200 AD5
24.0	11800	61.09	64800	1.10		
28.0	10200	52.87	67400	1.25		
32.0	9060	46.65	69000	1.45		
37.0	7820	40.29	70500	1.65	R 147 RF 147	Y..200L-4 AM200 AD6
41.0	6920	35.64	71400	1.90	R 147 RF 147	Y..200L-4 AM200 AD7
49.0	5810	29.95	72400	2.20		
61.0	4690	24.19	73100	2.50		
72.0	3960	20.44	73600	3.00	R 147 RF 147	Y..200L-4 AM200 AD8
82.0	3500	18.04	73800	3.00		
94.0	3030	15.64	74000	4.30		
29.0	9870	50.86	32800	0.80		
33.0	8620	44.39	51300	0.95	R 137 RF 137	Y..200L-4 AM200 AD5
39.0	7310	37.65	54800	1.10		
45.0	6390	32.91	56400	1.25		
53.0	5400	27.83	57900	1.40	R 137 RF 137	Y..200L-4 AM200 AD5
61.0	4680	24.12	58800	1.70	R 137 RF 137	Y..200L-4 AM200 AD6
67.0	4270	22.00	59200	1.85		
77.0	3690	19.04	59800	2.20	R 137 RF 137	Y..200L-4 AM200 AD7
88.0	3260	16.80	60100	2.40		
102	2810	14.51	59500	2.80		
115	2490	12.83	58400	3.20	R 137 RF 137	Y..200L-4 AM200 AD7
137	2090	10.79	56600	3.80		
194	1470	7.59	53300	3.50		
231	1230	6.38	51200	4.10		

n [1/min]	M _e [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_I=30.0kw						
74.0	3890	20.07	17600	1.10	R 107 RF 107	Y..200L-4 AM200 AD5
81.0	3530	18.21	17400	1.20		
94.0	3030	15.65	17100	1.40		
108	2650	13.66	16800	1.60		
127	2250	11.59	16300	1.90		
146	1960	10.13	15900	2.20	R 107 RF 107	Y..200L-4 AM200 AD6
172	1660	8.56	15400	2.60		
188	1520	7.86	15500	1.95		
221	1290	6.66	14900	2.30		
253	1130	5.82	14400	2.60		
300	950	4.92	13700	3.00		
101	2840	14.62	12000	0.80		
119	2400	12.39	11900	0.90	R 97 RF 97	Y..200L-4 AM200 AD5
136	2100	10.83	11800	1.00		
159	1800	9.29	12300	1.15		
176	1630	8.39	12100	1.25		
207	1380	7.12	11700	1.45	R 97 RF 97	Y..200L-4 AM200 AD5
237	1200	6.21	11300	1.55		
284	1000	5.20	10900	1.75	R 97 RF 97	Y..200L-4 AM200 AD6
328	870	4.50	10500	1.85		
436	655	3.38	6370	1.25	RX 107 RXF 107	Y..200L-4 AM200 AD5
480	595	3.07	6300	1.40		
559	510	2.64	6180	1.60	RX 107 RXF 107	Y..200L-4 AM200 AD6
640	445	2.30	6050	1.85		
755	375	1.95	5870	2.00		
863	330	1.71	5710	2.10	RX 107 RXF 107	Y..200L-4 AM200 AD6
1020	280	1.44	5520	2.30		
505	565	2.92	3140	1.05		
558	510	2.64	3580	1.15	RX 97 RXF 97	Y..200L-4 AM200 AD5
658	435	2.24	4070	1.35		
754	380	1.96	4460	1.50		
901	315	1.64	4570	1.60		
1040	275	1.42	4450	1.65	RX 97 RXF 97	Y..200L-4 AM200 AD6
P_I=37.0kw						
16.0	22200	93.19	120000	0.80	R 167 RF 167	Y..225S-4 AM225 AD5
18.0	19800	82.91	120000	0.90		
20.0	17600	73.70	120000	1.00		
22.0	16100	67.40	120000	1.10		
25.0	14000	58.65	120000	1.30	R 167 RF 167	Y..225S-4 AM225 AD6
29.0	12300	51.76	120000	1.45		

n_1 [1/min]	M_L [Nm]	i	F_r [N]	K	Frame size	Input Configuration
P₁=37.0kw						
33.0	10700	44.87	120000	1.70	R 167 RF 167	Y..225S-4
37.0	9540	39.92	120000	1.90		AM225
43.0	8230	34.41	120000	2.20		AD7
53.0	6680	27.96	120000	2.70	R 167 RF 167	Y..225S-4 AM225 AD8
48.0	7340	30.71	120000	1.35	R 167 RF 167	Y..225S-4 AM225 AD6
60.0	5870	24.57	120000	2.40	R 167 RF 167	Y..225S-4
68.0	5220	21.85	120000	2.50		AM225
78.0	4550	19.03	120000	3.50		AD8
87.0	4060	16.98	120000	3.70	R 167 RF 167	Y..225S-4 AM225 AD8
22.0	16000	66.99	36200	0.80	R 147 RF 147	Y..225S-4
24.0	14600	61.09	55000	0.90		AM225
28.0	12600	52.87	63400	1.05		AD5
32.0	11100	46.65	66000	1.15	R 147 RF 147	Y..225S-4 AM225 AD5
37.0	9630	40.29	68300	1.35	R 147 RF 147	Y..225S-4 AM225 AD6
41.0	8520	35.64	69700	1.50	R 147 RF 147	Y..225S-4
49.0	7160	29.95	71200	1.80		AM225
61.0	5780	24.19	72400	2.10		AD7
72.0	4880	20.44	73000	2.40	R 147 RF 147	Y..225S-4
82.0	4310	18.04	73400	2.40		AM225
94.0	3740	15.64	73700	3.50		AD8
106	3320	13.91	73900	3.80	R 147 RF 147	Y..225S-4 AM225 AD8
39.0	9000	37.65	49200	0.90	R 137 RF 137	Y..225S-4
45.0	7870	32.91	53700	1.00		AM225
53.0	6650	27.83	56000	1.15		AD5
61.0	5770	24.12	57400	1.40	R 137 RF 137	Y..225S-4 AM225 AD6
67.0	5260	22.00	58100	1.50	R 137 RF 137	Y..225S-4
78.0	4550	19.04	57800	1.75		AM225
88.0	4010	16.80	57300	2.00		AD7
102	3470	14.51	56500	2.30	R 137 RF 137	Y..225S-4
115	3070	12.83	55700	2.60		AM225
137	2580	10.79	54400	3.10		AD7
170	2080	8.71	52500	3.80		AD7

n_1 [1/min]	M_L [Nm]	i	F_r [N]	K	Frame size	Input Configuration
P ₁ =37.0kw						
195	1810	7.59	51800	2.80	R 137 RF 137	Y..225S-4
232	1520	6.38	50000	3.40		AM225
287	1230	5.15	47700	3.70		AD7
74.0	4800	20.07	16100	0.90	R 107 RF 107	Y..225S-4
81.0	4350	18.21	16100	1.00		AM225
94.0	3740	15.65	15900	1.15		AD5
108	3260	13.66	15700	1.30	R 107 RF 107	Y..225S-4 AM225 AD6
127	2770	11.59	15400	1.55		
146	2420	10.13	15100	1.75		
172	2040	8.56	14700	2.10		
188	1870	7.86	15000	1.60		
222	1590	6.66	14400	1.85		
254	1390	5.82	14000	2.10		
300	1170	4.92	13400	2.50		
436	800	3.38	4510	1.05	RX 107 RXF 107	Y..225S-4 AM225 AD5
481	730	3.07	4990	1.15	RX 107 RXF 107	Y..225S-4 AM225 AD6
559	630	2.64	5560	1.30		
641	550	2.30	5610	1.50		
756	465	1.95	5480	1.65		
865	405	1.71	5370	1.70		
1025	345	1.44	5220	1.85		
P ₁ =45.0kw						
20.0	21400	73.70	120000	0.85	R 167 RF 167	Y..225M-4 AM225 AD5
22.0	19500	67.40	120000	0.90	R 167 RF 167	Y..225M-4
25.0	17000	58.65	120000	1.05		AM225
29.0	15000	51.76	120000	1.20		AD6
33.0	13000	44.87	120000	1.40	R 167 RF 167	Y..225M-4
37.0	11600	39.92	120000	1.55		AM225
43.0	10000	34.41	120000	1.80		AD7
53.0	8120	27.96	120000	2.20	R 167 RF 167	Y..225M-4
62.0	6890	23.71	120000	2.60		AM225 AD8
48.0	8920	30.71	120000	1.10	R 167 RF 167	Y..225M-4 AM225 AD6
60.0	7140	24.57	120000	1.95	R 167 RF 167	Y..225M-4
68.0	6350	21.85	120000	2.00		AM225
78.0	5530	19.03	120000	2.90		AD8
87.0	4930	16.98	120000	3.00		AD8
28.0	15300	52.87	45500	0.85	R 147 RF 147	Y..225M-4
32.0	13500	46.65	61500	0.95		AM225 AD5

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n ₁ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=45.0kw						
37.0	11700	40.29	65100	1.10	R 147 RF 147	Y..225M-4 AM225 AD6
41.0	10300	35.64	67300	1.25	R 147	Y..225M-4
49.0	8700	29.95	69500	1.50	RF 147	AM225
61.0	7030	24.19	71300	1.70		AD7
72.0	5940	20.44	72300	2.00		
82.0	5240	18.04	72800	2.00		
95.0	4540	15.64	73200	2.90	R 147	Y..225M-4
106	4040	13.91	73500	3.10	RF 147	AM225
123	3480	11.99	73800	3.70		AD8
204	2100	7.25	74300	4.10		
45.0	9560	32.91	39600	0.85	R 137	Y..225M-4
53.0	8090	27.83	51300	0.95	RF 137	AM225
						AD5
61.0	7010	24.12	52400	1.15	R 137	Y..225M-4
					RF 137	AM225
						AD6
67.0	6390	22.00	52900	1.25	R 137	Y..225M-4
78.0	5530	19.04	53300	1.45	RF 137	AM225
88.0	4880	16.80	53400	1.65		AD7
102	4210	14.51	53200	1.90		
115	3730	12.83	52700	2.10		
137	3130	10.79	51900	2.60	R 137	Y..225M-4
170	2530	8.71	50500	3.10	RF 137	AM225
195	2200	7.59	50200	2.30		AD7
232	1850	6.38	48600	2.80		
287	1490	5.15	46600	3.10		
94.0	4550	15.65	14600	0.95	R 107	Y..225M-4
					RF 107	AM225
						AD5
108	970	13.66	14600	1.10		
128	3360	11.59	14400	1.30		
146	2940	10.13	14300	1.45	R 107	Y..225M-4
173	2480	8.56	14000	1.75	RF 107	AM225
188	2280	7.86	14400	1.30		AD6
222	1930	6.66	13900	1.55		
254	1690	5.82	13600	1.75	R 107	Y..225M-4
300	1430	4.92	13100	2.00	RF 107	AM225
						AD6
437	980	3.38	1420	0.85	RX 107 RXF 107	Y..225M-4 AM225 AD5
481	890	3.07	2130	0.95		
560	765	2.64	3010	1.10		
641	670	2.30	3680	1.25	RX 107	Y..225M-4
756	565	1.95	4230	1.35	RXF 107	AM225
865	495	1.71	4570	1.40		AD6
1025	420	1.44	4880	1.55		

n ₁ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=55.0kw						
25.0	20800	58.65	120000	0.85	R 167	Y..250M-4
28.0	18400	51.76	120000	1.00	RF 167	AM250
						AD6
33.0	15900	44.87	120000	1.15	R 167	Y..250M-4
37.0	14200	39.92	120000	1.25	RF 167	AM250
43.0	12200	34.41	120000	1.45		AD7
53.0	9950	27.96	120000	1.80	R 167	Y..250M-4
62.0	8440	23.71	120000	2.10	RF 167	AM250
						AD8
60.0	8740	24.57	120000	1.60	R 167	Y..250M-4
68.0	7770	21.85	120000	1.65	RF 167	AM250
77.0	6770	19.03	120000	2.40		AD8
87.0	6040	16.98	120000	2.50	R 167	Y..250M-4
102	5150	14.48	120000	3.50	RF 167	AM250
123	4270	11.99	120000	4.00		AD8
32.0	16600	46.65	26700	0.80	R 147	Y..250M-4
					RF 147	AM250
						AD5
37.0	14300	40.29	58200	0.90	R 147	Y..250M-4
					RF 147	AM250
						AD6
41.0	12600	35.64	63300	1.00	R 147	Y..250M-4
49.0	10600	29.95	66800	1.20	RF 147	AM250
61.0	8610	24.19	69600	1.40		AD7
72.0	7270	20.44	71100	1.65	R 147	Y..250M-4
82.0	6420	18.04	71900	1.65	RF 147	AM250
94.0	5560	15.64	72500	2.30		AD8
106	4950	13.91	73000	2.50	R 147	Y..250M-4
					RF 147	AM250
						AD8
123	4260	11.99	73400	3.00	R 147	Y..250M-4
151	3460	9.74	73800	3.80	RF 147	AM250
203	2580	7.25	74200	3.40		AD8
250	2090	5.89	72500	4.10		
77.0	6770	19.04	47800	1.20	R 137	Y..250M-4
88.0	5980	16.80	48500	1.35	RF 137	AM250
102	5160	14.51	48900	1.55		AD7
115	4560	12.83	49000	1.75		
137	3840	10.79	48800	2.10		
169	3100	8.71	48000	2.50	R 137	Y..250M-4
194	2700	7.59	48100	1.90	RF 137	AM250
231	2270	6.38	46900	2.20		AD7
286	1830	5.15	45200	2.50		
P₁=75.0kw						
33.0	21700	44.87	120000	0.85	R 167	Y..280S-4
37.0	19300	39.92	120000	0.95	RF 167	AM280
43.0	16600	34.41	120000	1.10		AD7

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=75.0kw						
53.0	13500	27.96	120000	1.35	R 167	Y..280S-4
62.0	11400	23.71	120000	1.55	RF 167	AM280 AD8
60.0	11800	24.57	120000	1.20	R 167	Y..280S-4
68.0	10500	21.85	120000	1.25	RF 167	AM280 AD8
78.0	9210	19.03	120000	1.75		
87.0	8210	16.98	120000	1.85		
102	7000	14.48	120000	2.60	R 167	Y..280S-4
123	5800	11.99	116600	2.90	RF 167	AM280 AD8
145	4950	10.24	112800	3.40		
49.0	14400	29.95	56500	0.90	R 147	Y..280S-4
61.0	11700	24.19	65100	1.00	RF 147	AM280 AD7
72.0	9890	20.44	67900	1.20		
82.0	8720	18.04	69500	1.20	R 147	Y..280S-4
95.0	7560	15.64	70800	1.70	RF 147	AM280 AD8
106	6730	13.91	71600	1.85		
123	5800	11.99	72400	2.20		
152	4710	9.74	73100	2.80		
179	3990	8.26	73500	3.20	R 147	Y..280S-4
204	3500	7.25	73100	2.50	RF 147	AM280 AD8
251	2850	5.89	70100	3.00		
296	2410	5.00	67600	3.60		
P_i=90.0kw						
37.0	23100	39.92	120000	0.80	R 167	Y..280M-4
43.0	19900	34.41	120000	0.90	RF 167	AM280 AD7
53.0	16200	27.96	120000	1.10		
62.0	13700	23.71	120000	1.30		
78.0	11000	19.03	120000	1.45		
87.0	9860	16.98	120000	1.50		
102	8400	14.48	117300	2.10		
123	6960	11.99	113500	2.40	R 167	Y..280M-4
145	5940	10.24	110100	2.90	RF 167	AM280 AD8

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=90.0kw						
95.0	9080	15.64	69000	1.45	R 147	Y..280M-4
106	8070	13.91	70200	1.55	RF 147	AM280 AD8
123	6960	11.99	71400	1.85		
152	5650	9.74	72500	2.30		
179	4790	8.26	73000	2.70	R 147	Y..280M-4
204	4210	7.25	70900	2.10	RF 147	AM280 AD8
251	3420	5.89	68300	2.50		
296	2900	5.00	66100	3.00		
P_i=110kw						
53.0	19800	27.96	117100	0.90	R 167	Y..315S-4
63.0	16700	23.71	116900	1.05	RF 167	- AD8
78.0	13400	19.03	115500	1.20		
87.0	12000	16.98	114300	1.25	R 167	Y..315S-4
102	10200	14.48	112200	1.75	RF 167	- AD8
124	8490	11.99	109300	2.00		
145	7250	10.24	106500	2.30		
P_i=132kw						
63.0	20100	23.71	107900	0.90	R 167	Y..315M-4
					RF 167	- AD8
78.0	16100	19.03	108300	1.00	R 167	Y..315M-4
87.0	14400	16.98	107800	1.05	RF 167	- AD8
103	12200	14.48	106700	1.45		
124	10100	11.99	104700	1.65	R 167	Y..315M-4
145	8680	10.24	102600	1.95	RF 167	- AD8



2.8 R../RF..性能参数 / R../RF..Performance Parameters

n_2 [1/min]	i	Fr [N]	Frame size		Motor
$M_{2max}=130Nm$					
0.16	8612	4230	R RF	27 RF17	Y..63M ₁ -4 Y..63M ₁ -4
0.19	7425	4230			
0.20	6921	4230			
0.23	6050	4230			
0.26	5217	4230			
0.30	4661	4230			
0.34	4073	4230			
0.39	3516	4230			
0.44	3160	4230			
0.50	2763	4230			
0.57	2414	4230			
0.65	2110	4230			
0.76	1822	4230	R RF	27 RF17	Y..63M ₁ -4 Y..63M ₁ -4
0.87	1580	4230			
0.94	1464	4230			
1.10	1270	4230			
1.20	1100	4230			
1.40	972	4230			
1.60	840	4230			
1.90	741	4230			
2.10	654	4230			
2.40	566	4230			
2.80	499	4230			
3.10	440	4230			
3.60	381	4230			
4.20	329	4230			
4.80	290	4230			
5.40	256	4230			
6.10	227	4230			
6.80	203	4230			
7.40	179	4230	R RF	27 RF17	Y..63M ₂ -4 Y..63M ₂ -4
8.50	156	4230			
9.80	135	4230			
11.0	118	4230			
12.0	104	4230	R RF	27 RF17	Y..71M ₁ -4 Y..71M ₁ -4
14.0	90	4230			
$M_{2max}=200Nm$					
0.16	8595	4940	R RF	37 RF17	Y..63M ₁ -4 Y..63M ₁ -4
0.19	7411	4940			
0.20	6907	4940			
0.23	6038	4940			
0.27	5206	4940			
0.30	4561	4940			
0.34	4065	4940			
0.38	3658	4940			
0.44	3154	4940			
0.50	2757	4940			
0.57	2409	4940			
0.66	2106	4940			
0.76	1818	4940	R RF	37 RF17	Y..63M ₁ -4 Y..63M ₁ -4
0.88	1576	4940			
$M_{2max}=200Nm$					
1.00	1359	4940	R RF	37 RF17	Y..63M ₁ -4 Y..63M ₁ -4
1.10	1267	4940			
1.30	1098	4940			
1.40	970	4940			
1.60	839	4940			
1.90	740	4940			
2.10	653	4940			
2.40	577	4940			
2.80	498	4940			
3.10	439	4940	R RF	37 RF17	Y..63M ₁ -4 Y..63M ₁ -4
3.60	378	4940			
4.20	328	4940			
4.80	289	4940			
5.00	265	4940	R RF	37 RF17	Y..63M ₂ -4 Y..63M ₂ -4
5.80	226	4940			
6.50	202	4940			
7.40	179	4940			
8.40	156	4940	R RF	37 RF17	Y..71M ₁ -4 Y..71M ₁ -4
9.70	135	4940			
10.0	127	4940			
13.0	104	4940	R RF	37 RF17	Y..71M ₂ -4 Y..71M ₂ -4
15.0	90	4940			
$M_{2max}=300Nm$					
0.10	13598	5420	R RF	47 RF37	Y..63M ₁ -4 Y..63M ₁ -4
0.11	12472	5420			
0.13	10619	5420			
0.15	9155	5420			
0.16	8534	5420			
0.18	7460	5420			
0.20	6993	5420			
0.22	6171	5420			
0.25	5624	5420			
0.28	4849	5420			
0.31	4520	5420			
0.35	3951	5420			
0.37	3704	5420	R RF	47 RF37	Y..63M ₁ -4 Y..63M ₁ -4
0.42	3268	5420			
0.48	2898	5420			
0.56	2463	5420			
0.53	2598	5420	R RF	47 RF37	Y..63M ₁ -4 Y..63M ₁ -4
0.58	2383	5420			
0.68	2029	5420			
0.79	1749	5420			
0.85	1630	5420			
0.97	1425	5420			
1.00	1336	5420			
1.20	1179	5420			
1.30	1074	5420			
1.50	927	5420			
1.60	863	5420			
1.80	755	5420			

n_2 [1/min]	i	Fr [N]	Frame size		Motor
M_{2max}=300Nm					
2.50	546	5420	R RF	47 RF37	Y..63M ₁₋₄
2.80	502	5420		47 RF37	Y..63M ₁₋₄
3.20	429	5420			
3.60	372	5420	R RF	47 RF37	Y..63M ₂₋₄
3.80	348	5420		47 RF37	Y..63M ₂₋₄
4.40	301	5420			
5.10	255	5420	R RF	47 RF37	Y..71M ₁₋₄
5.70	228	5420		47 RF37	Y..71M ₁₋₄
M_{2max}=450Nm					
0.10	14369	7100	R RF	57 RF37	Y..63M ₁₋₄
0.11	12095	7100		57 RF37	Y..63M ₁₋₄
0.13	10860	7100			
0.15	9445	7100			
0.16	8480	7100			
0.19	7312	7100			
0.21	6521	7100			
0.25	5585	7100			
0.28	4928	7100			
0.32	4378	7100	R RF	57 RF37	Y..63M ₁₋₄
0.36	3873	7100		57 RF37	Y..63M ₁₋₄
0.41	3344	7100			
0.47	2907	7100			
0.54	2567	7100			
0.61	2244	7100			
0.70	1967	7100			
0.80	1732	7100	R RF	57 RF37	Y..63M ₁₋₄
0.89	1555	7100		57 RF37	Y..63M ₁₋₄
0.99	1399	7100			
1.20	1189	7100			
1.30	1034	7100			
1.80	782	7100			
2.00	678	7100			
2.20	604	7100	R RF	57 RF37	Y..63M ₂₋₄
2.50	537	7100		57 RF37	Y..63M ₂₋₄
2.80	471	7100			
3.60	357	7100	R RF	57 RF37	Y..71M ₁₋₄
4.10	319	7100		57 RF37	Y..71M ₁₋₄
5.10	273	7100	R RF	57 RF37	Y..71M ₂₋₄
5.70	241	7100		57 RF37	Y..71M ₂₋₄
M_{2max}=600Nm					
0.09	15361	7560	R RF	67 RF37	Y..63M ₁₋₄
0.11	12931	7560		67 RF37	Y..63M ₁₋₄
0.12	11996	7560			
0.14	10097	7560	R RF	67 RF37	Y..63M ₁₋₄
0.15	9066	7560		67 RF37	Y..63M ₁₋₄
0.18	7816	7560			
0.20	6732	7560			
0.23	5970	7560			
0.26	5268	7560			

n_2 [1/min]	i	Fr [N]	Frame size		Motor	
M_{2max}=600Nm						
0.29	4680	7560	R RF	67 RF37	Y..63M ₁₋₄	
0.33	4136	7560		67 RF37	Y..63M ₁₋₄	
0.39	3566	7560				
0.44	3125	7560				
0.50	2745	7560				
0.57	2403	7560				
0.51	2682	7560	R RF	67 RF37	Y..63M ₁₋₄	
0.56	2460	7560		67 RF37	Y..63M ₁₋₄	
0.66	2094	7560				
0.76	1805	7560				
0.85	1629	7560				
0.94	1471	7560				
1.00	1379	7560				
1.80	730	7560	R	67 RF37	Y..63M ₂₋₄	
2.30	571	7560	RF	67 RF37	Y..63M ₂₋₄	
2.70	486	7560	R RF	67 RF37 67 RF37	Y..71M ₁₋₄ Y..71M ₁₋₄	
0.84	1652	7560	R RF	67 RF37	Y..63M ₁₋₄	
0.96	1432	7560		67 RF37	Y..63M ₁₋₄	
1.10	1259	7560				
1.20	1106	7560				
1.60	836	7560	R RF	67 RF37	Y..63M ₂₋₄	
1.80	750	7560		67 RF37	Y..63M ₂₋₄	
2.00	646	7560				
2.30	574	7560				
2.60	495	7560	R RF	67 RF37	Y..71M ₁₋₄	
3.00	438	7560		67 RF37	Y..71M ₁₋₄	
3.40	388	7560				
4.00	344	7560	R	67 RF37	Y..71M ₂₋₄	
4.70	294	7560	RF	67 RF37	Y..71M ₂₋₄	
M_{2max}=820Nm						
0.08	16370	9920	R RF	77 RF37	Y..63M ₁₋₄	
0.09	15015	9920				
0.10	13885	9920				
0.11	12783	9920				
0.13	11021	9920				
0.14	9788	9920				
0.16	8714	9920				
0.18	7617	9920				
0.20	6770	9920				
0.24	5838	9920				
0.27	5184	9920				
0.31	4470	9920				
0.35	3999	9920				
0.40	3488	9920				
0.45	3053	9920				
0.52	2671	9920				
0.44	3151	9920		R	77 RF37	Y..63M ₁₋₄
0.48	2890	9920		RF	77 RF37	Y..63M ₁₋₄
0.56	2460	9920				

R SERIES



n_2 [1/min]	i	F_r [N]	Frame size		Motor
$M_{2max}=820Nm$					
0.65	2121	9920	R RF	77 RF37	Y..63M ₁₋₄ Y..63M ₁₋₄
0.70	1977	9920			
0.80	1728	9920			
0.85	1620	9920			
0.97	1430	9920			
1.10	1303	9920			
1.20	1124	9920	R RF	77 RF37	Y..63M ₂₋₄ Y..63M ₂₋₄
1.30	1047	9920			
1.40	915	9920			
1.50	858	9920			
1.70	757	9920			
1.90	671	9920			
2.30	571	9920	R RF	77 RF37 77 RF37	Y..71M ₁₋₄ Y..71M ₁₋₄
2.30	560	9920	R RF	77 RF37 77 RF37	Y..71M ₁₋₄ Y..71M ₁₋₄
2.80	488	9920	R RF	77 RF37	Y..71M ₂₋₄ Y..71M ₂₋₄
3.20	436	9920			
3.70	373	9920			
4.20	327	9920	R RF	77 RF37	Y..80M ₁₋₄ Y..80M ₁₋₄
4.80	289	9920			
5.30	260	9920			
$M_{2max}=1550Nm$					
0.08	17452	16900	R RF	87 RF57	Y..63M ₁₋₄ Y..63M ₁₋₄
0.09	15310	16900			
0.10	13813	16900			
0.11	12025	16900			
0.13	10549	16900			
0.15	9244	16900			
0.17	8109	16900			
0.20	7038	16900			
0.22	6174	16900			
0.25	5449	16900			
0.29	4831	16900			
0.33	4206	16900			
0.37	3744	16900			
0.43	3233	16900			
0.48	2873	16900			
0.67	1961	16900			
0.34	4020	16900	R RF	87 RF57	Y..63M ₁₋₄ Y..63M ₁₋₄
0.43	3182	16900			
0.50	2770	16900			
0.53	2595	16900			
0.62	2129	16900			
0.68	1930	16900	R RF	87 RF57	Y..63M ₂₋₄ Y..63M ₂₋₄
0.76	1733	16900			
0.89	1489	16900			
0.95	1395	16900			

n_2 [1/min]	i	Fr [N]	Frame size		Motor
M _{2max} =1550Nm					
1.00	1232	16900	R RF	87 RF57	Y..71M ₁₋₄
1.10	1145	16900		87 RF57	Y..71M ₁₋₄
1.20	1037	16900			
1.70	802	16900	R RF	87 RF57	Y..71M ₂₋₄
1.80	754	16900		87 RF57	Y..71M ₂₋₄
0.76	1737	16900	R RF	87 RF57	Y..63M ₂₋₄
0.87	1524	16900		87 RF57	Y..63M ₂₋₄
1.00	1303	16900	R RF	87 RF57	Y..71M ₁₋₄
1.30	1008	16900		87 RF57	Y..71M ₁₋₄
1.60	885	16900	R RF	87 RF57	Y..71M ₂₋₄
2.00	685	16900		87 RF57	Y..71M ₂₋₄
2.30	599	16900	R RF	87 RF57	Y..80M ₁₋₄
				87 RF57	Y..80M ₁₋₄
3.60	398	16900	R RF	87 RF57	Y..80M ₂₋₄
4.10	352	16900		87 RF57	Y..80M ₂₋₄
4.60	305	16900	R RF	87 RF57	Y..90S-4
5.30	268	16900		87 RF57	Y..90S-4
2.60	538	16900	R RF	87 RF57	Y..80M ₁₋₄
2.90	472	16900		87 RF57	Y..80M ₁₋₄
3.60	400	16900	R RF	87 RF57	Y..80M ₁₋₄
4.00	361	16900		87 RF57	Y..80M ₁₋₄
4.70	300	16900	R RF	87 RF57	Y..90S-4
5.60	256	16900		87 RF57	Y..90S-4
M _{2max} =3000Nm					
0.06	21769	19800	R RF	97 RF57	Y..63M ₁₋₄ Y..63M ₁₋₄
0.07	19332	19800			
0.08	17230	19800			
0.09	14999	19800			
0.10	13320	19800			
0.12	11156	19800			
0.14	10030	19800			
0.16	8706	19800			
0.18	7692	19800			
0.21	6708	19800			
0.23	5931	19800			
0.27	5161	19800			
0.33	4004	19800			
0.38	3481	19800			
0.29	4678	19800			
0.31	4309	19800	R RF	97 RF57	Y..63M ₁₋₄ Y..63M ₂₋₄
0.36	3702	19800			
0.44	3019	19800			

n_2 [1/min]	i	Fr [N]	Frame size		Motor
M_{1max}=3000Nm					
0.49	2668	19800	R RF	97 RF57	Y..71M ₁ -4
0.58	2245	19800		97 RF57	Y..71M ₁ -4
0.64	2016	19800			
0.80	1733	19800	R RF	97 RF57	Y..71M ₂ -4
0.85	1623	19800		97 RF57	Y..71M ₂ -4
0.96	1434	19800			
1.10	1207	19800	R RF	97 RF57	Y..80M ₁ -4
1.30	1084	19800		97 RF57	Y..80M ₁ -4
1.50	934	19800			
1.60	878	19800			
1.90	755	19800	R RF	97 RF57 97 RF57	Y..80M ₂ -4 Y..80M ₂ -4
0.76	1823	19800	R RF	97 RF57	Y..71M ₂ -4
0.87	1583	19800		97 RF57	Y..71M ₂ -4
0.99	1396	19800			
1.10	1228	19800	R RF	97 RF57	Y..80M ₁ -4
1.30	1069	19800		97 RF57	Y..80M ₁ -4
1.50	938	19800			
1.70	824	19800	R RF	97 RF57	Y..80M ₂ -4
2.00	737	19800		97 RF57	Y..80M ₂ -4
2.20	632	19800	R RF	97 RF57	Y..90S-4
2.50	560	19800		97 RF57	Y..90S-4
2.90	484	19800			
3.30	431	19800	R RF	97 RF57	Y..90L-4
3.80	379	19800		97 RF57	Y..90L-4
4.20	336	19800	R RF	97 RF57 97 RF57	Y..90L-4 Y..90L-4
4.80	296	19800	R RF	97 RF57	Y..100L ₁ -4
5.70	249	19800		97 RF57	Y..100L ₁ -4
6.10	234	19800			
2.30	625	19800	R RF	97 RF57	Y..90S-4
2.60	549	19800		97 RF57	Y..90S-4
5.30	270	19800	R RF	97 RF57	Y..100L ₁ -4
6.30	227	19800		97 RF57	Y..100L ₁ -4
M_{2max}=4300Nm					
0.07	20018	29500	R RF		
0.08	17080	29500			
0.09	14936	29500			
0.11	12829	29500		107 RF77	Y..63M ₁ -4
0.12	11256	29500		107 RF77	Y..63M ₁ -4
0.14	9547	29500			
0.16	8618	29500			
0.18	7583	29500			
0.20	6743	29500			
0.22	5914	29500		R RF	107 RF77 107 RF77
0.26	5168	29500			

n_2 [1/min]	i	Fr [N]	Frame size		Motor
M_{2max} = 4300Nm					
0.30	4435	29500	R RF	107 RF77 107 RF77	Y..63M ₂ -4 Y..63M ₂ -4
0.33	3896	29500	R	107 RF77	Y..71M ₁ -4
0.43	3039	29500	RF	107 RF77	Y..71M ₁ -4
0.33	3918	29500	R	107 RF77	Y..71M ₁ -4
0.39	3343	29500	RF	107 RF77	Y..71M ₁ -4
0.43	3034	29500			
0.52	2653	29500	R	107 RF77	Y..71M ₂ -4
0.61	2280	29500	RF	107 RF77	Y..71M ₂ -4
0.67	2067	29500			
0.82	1693	29500	R	107 RF77	Y..80M ₁ -4
0.89	1550	29500	RF	107 RF77	Y..80M ₁ -4
0.98	1407	29500			
1.20	1209	29500	R	107 RF77	Y..80M ₂ -4
1.40	1055	29500	RF	107 RF77	Y..80M ₂ -4
1.50	919	29500	R	107 RF77	Y..90S-4
1.70	815	29500	RF	107 RF77	Y..90S-4
2.00	717	29500			
2.30	626	29500	R	107 RF77	Y..90L-4
2.70	528	29500	RF	107 RF77	Y..90L-4
0.69	1987	29500	R	107 RF77	Y..71M ₂ -4
			RF	107 RF77	Y..71M ₂ -4
0.76	1827	29500	R	107 RF77	Y..80M ₁ -4
0.86	1599	29500	RF	107 RF77	Y..80M ₁ -4
0.99	1400	29500			
1.20	1226	29500	R	107 RF77	Y..80M ₂ -4
1.30	1104	29500	RF	107 RF77	Y..80M ₂ -4
1.50	939	29500	R	107 RF77	Y..90S-4
1.70	822	29500	RF	107 RF77	Y..90S-4
2.30	614	29500	R	107 RF77	Y..90L-4
2.60	544	29500	RF	107 RF77	Y..90L-4
2.90	492	29500			
3.40	417	29500	R	107 RF77	Y..100L ₁ -4
3.90	369	29500	RF	107 RF77	Y..100L ₁ -4
4.40	323	29500			
5.10	285	29500	R	107 RF77	Y..100L ₂ -4
5.80	253	29500	RF	107 RF77	Y..100L ₂ -4
6.80	214	29500	R	107 RF77	Y..112M-4
7.80	187	29500	RF	107 RF77	Y..112M-4
3.00	469	29500	R	107 RF77	Y..90L-4
			RF	107 RF77	Y..90L-4
3.40	426	29500	R	107 RF77	Y..100L ₁ -4
3.80	377	29500	RF	107 RF77	Y..100L ₁ -4

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n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{2max}=4300Nm$				
4.40	325	29500	R 107 RF77 RF 107 RF77	Y..100L ₁ -4 Y..100L ₁ -4
5.10	284	29500	R 107 RF77	Y..100L ₂ -4
5.70	256	29500	RF 107 RF77	Y..100L ₂ -4
6.60	220	29500	R 107 RF77	Y..112M-4
7.60	193	29500	RF 107 RF77	Y..112M-4
8.40	172	29500	R 107 RF77 RF 107 RF77	Y..132S-4 Y..132S-4
$M_{2max}=8000Nm$				
0.06	22203	53400	R 137 RF77 RF 137 RF77	Y..63M ₁ -4 Y..63M ₁ -4
0.07	18945	53400		
0.08	16566	53400		
0.09	14777	53400		
0.11	12921	53400		
0.11	11712	53400	R 137 RF77	Y..63M ₂ -4
0.12	10573	53400	RF 137 RF77	Y..63M ₂ -4
0.15	8784	53400		
0.17	7479	53400	R 137 RF77	Y..71M ₁ -4
0.20	6559	53400	RF 137 RF77	Y..71M ₁ -4
0.22	5834	53400		
0.27	5116	53400	R 137 RF77	Y..71M ₂ -4
0.31	4464	53400	RF 137 RF77	Y..71M ₂ -4
0.35	3928	53400		
0.40	3454	53400	R 137 RF77	Y..80M ₁ -4
0.46	2993	53400	RF 137 RF77	Y..80M ₁ -4
0.29	4709	53400	R 137 RF77	Y..71M ₂ -4
0.34	4018	53400	RF 137 RF77	Y..71M ₂ -4
0.39	3514	53400		
0.41	3338	53400	R 137 RF77	Y..80M ₁ -4
0.47	2929	53400	RF 137 RF77	Y..80M ₁ -4
0.56	2484	53400		
0.64	2242	53400	R 137 RF77	Y..80M ₂ -4
0.77	1863	53400	RF 137 RF77	Y..80M ₂ -4
0.90	1586	53400	R 137 RF77	Y..90S-4
1.00	1391	53400	RF 137 RF77	Y..90S-4
1.10	1256	53400		
1.30	1105	53400	R 137 RF77	Y..90L-4
1.40	1043	53400	RF 137 RF77	Y..90L-4
1.60	888	53400		
2.00	699	53400	R 137 RF77	Y..100L ₁ -4
2.30	609	53400	RF 137 RF77	Y..100L ₁ -4
0.52	2658	53400	R 137 RF77	Y..80M ₁ -4
0.57	2412	53400	RF 137 RF77	Y..80M ₁ -4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{2max}=8000Nm$				
0.69	2073	53400	R 137 RF77	Y..80M ₂ -4
0.78	1839	53400	RF 137 RF77	Y..80M ₂ -4
0.89	1598	53400	R 137 RF77	Y..90S-4
1.00	1397	53400	RF 137 RF77	Y..90S-4
1.20	1226	53400		
1.30	1090	53400	R 137 RF77	Y..90L-4
1.50	951	53400	RF 137 RF77	Y..90L-4
1.70	831	53400	R 137 RF77	Y..100L ₁ -4
2.00	730	53400	RF 137 RF77	Y..100L ₁ -4
2.30	629	53400		
2.60	560	53400	R 137 RF77	Y..100L ₂ -4
3.00	490	53400	RF 137 RF77	Y..100L ₂ -4
3.40	428	53400	R 137 RF77	Y..112M-4
3.80	381	53400	RF 137 RF77	Y..112M-4
4.50	323	53400	R 137 RF77	Y..132S-4
5.00	291	53400	RF 137 RF77	Y..132S-4
5.70	255	53400		
2.60	564	53400	R 137 RF77	Y..100L ₂ -4
2.80	517	53400	RF 137 RF77	Y..100L ₂ -4
3.20	453	53400		
3.90	376	53400	R 137 RF77	Y..112M-4
4.30	339	53400	RF 137 RF77	Y..112M-4
4.90	297	53400	R 137 RF77 RF 137 RF77	Y..132S-4 Y..132S-4
$M_{2max}=13000Nm$				
0.06	23401	62700	R 147 RF77	Y..63M ₁ -4
0.06	21342	62700	RF 147 RF77	Y..63M ₁ -4
0.07	18210	62700		
0.08	15923	62700	R 147 RF77	Y..63M ₂ -4
0.09	14075	62700	RF 147 RF77	Y..63M ₂ -4
0.11	12344	62700		
0.12	11143	62700	R 147 RF77	Y..71M ₁ -4
0.13	9743	62700	RF 147 RF77	Y..71M ₁ -4
0.16	8443	62700	R 147 RF77	Y..71M ₂ -4
0.19	7307	62700	RF 147 RF77	Y..71M ₂ -4
0.21	6447	62700		
0.25	5568	62700	R 147 RF77	Y..80M ₁ -4
0.28	4926	62700	RF 147 RF77	Y..80M ₁ -4
0.32	4325	62700		
0.38	3754	62700	R 147 RF77	Y..80M ₂ -4
0.43	3302	62700	RF 147 RF77	Y..80M ₂ -4
0.49	2898	62700	R 147 RF77 RF 147 RF77	Y..90S-4 Y..90S-4

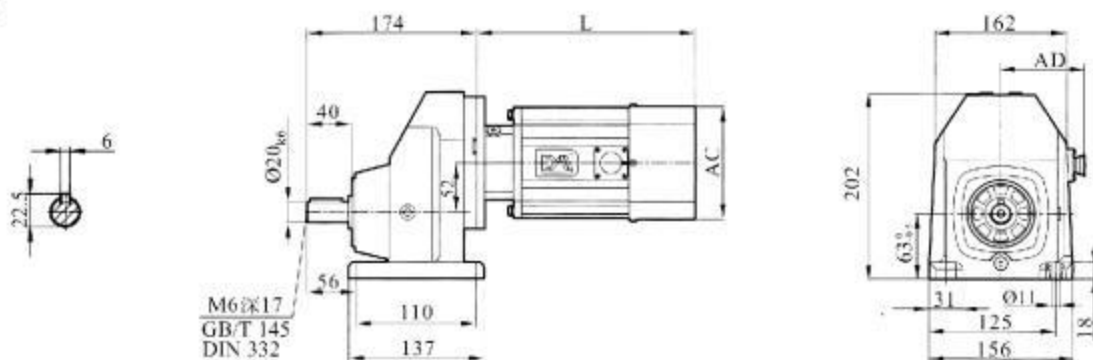
n_2 [1/min]	i	Fr [N]	Frame size		Motor
M_{2max} = 13000Nm					
0.56	2555	62700	R RF	147 RF77	Y..90S-4
0.64	2211	62700		147 RF77	Y..90S-4
0.73	1951	62700			
0.84	1705	62700	R RF	147 RF77	Y..90L-4
0.93	1536	62700		147 RF77	Y..90L-4
1.10	1329	62700	R RF	147 RF77	Y..100L-4
1.20	1166	62700		147 RF77	Y..100L-4
1.40	1029	62700			
1.60	889	62700	R RF	147 RF77	Y..100L ₂ -4
1.90	784	62700		147 RF77	Y..100L ₂ -4
2.10	695	62700	R RF	147 RF77	Y..112M-4
2.40	619	62700		147 RF77	Y..112M-4
2.60	558	62700			
3.00	489	62700	R RF	147 RF77	Y..132S-4
				147 RF77	Y..132S-4
2.70	533	62700	R RF	147 RF77	Y..132S-4
3.20	462	62700		147 RF77	Y..132S-4
3.40	426	62700			
4.00	368	62700	R RF	147 RF77	Y..132M-4
4.50	326	62700		147 RF77	Y..132M-4
6.90	214	62700	R RF	147 RF77	Y..160M-4
				147 RF77	Y..160M-4
M_{2max} = 18000Nm					
0.05	27001	120000	R RF	167 RF97	Y..80M ₁ -4
0.06	22482	120000			
0.07	20002	120000			
0.08	17361	120000			
0.09	15446	120000			
0.10	14051	120000			
0.12	11812	120000			
0.13	10509	120000			
0.14	9631	120000			
0.19	7749	120000	R RF	167 RF97	Y..80M ₂ -4
0.221	6894	120000			167 RF97

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{2max}=4300Nm$				
0.23	6077	120000	R 167 RF97 RF 167 RF97	Y..80M ₁ -4
				Y..80M ₁ -4
0.27	5407	120000	R 167 RF97 RF 167 RF97	Y..80M ₁ -4
0.31	4650	120000		Y..80M ₁ -4
0.34	4129	120000	R 167 RF97 RF 167 RF97	Y..90S-4
0.38	3692	120000		Y..90S-4
0.54	2657	120000	R 167 RF97 RF 167 RF97	Y..90L-4
0.61	2333	120000		Y..90L-4
0.69	2085	120000		
0.76	1877	120000	R 167 RF97 RF 167 RF97	Y..100L ₁ -4
0.85	1670	120000		Y..100L ₁ -4
0.99	1438	120000		
1.10	1279	120000	R 167 RF97 RF 167 RF97	Y..100L ₂ -4
1.30	1123	120000		Y..100L ₂ -4
1.50	999	120000		
1.70	861	120000	R 167 RF97 RF 167 RF97	Y..112M-4
1.90	760	120000		Y..112M-4
2.20	656	120000	R 167 RF97 RF 167 RF97	Y..132S-4
2.50	579	120000		Y..132S-4
2.90	503	120000	R 167 RF97 RF 167 RF97	Y..132M-4
3.40	432	120000		Y..132M-4
4.90	303	120000	R 167 RF97 RF 167 RF97	Y..160M-4
5.30	279	120000		Y..160M-4
5.00	295	120000	R 167 RF107 RF 167 RF107	Y..160M-4
				Y..160M-4
5.40	270	120000	R 167 RF107 RF 167 RF107	Y..160L-4
6.40	229	120000		Y..160L-4
7.30	200	120000		
5.10	291	120000	R 167 RF107 RF 167 RF107	Y..160M-4
				Y..160M-4
5.60	264	120000	R 167 RF107 RF 167 RF107	Y..160L-4
6.50	227	120000		Y..160L-4
7.40	198	120000		Y..160L-4

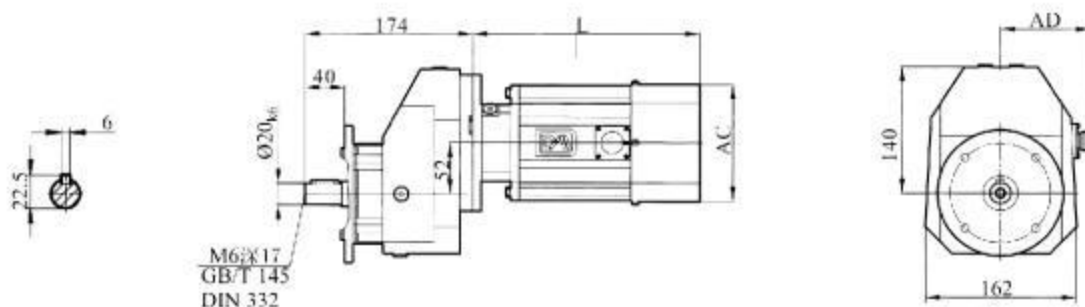


2.9 外形尺寸 / Dimensions

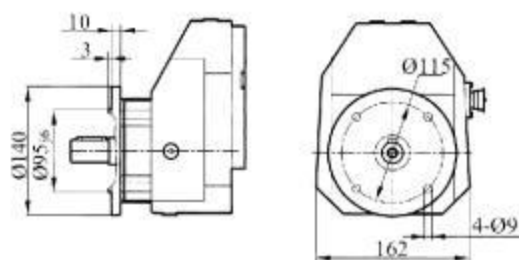
RX57



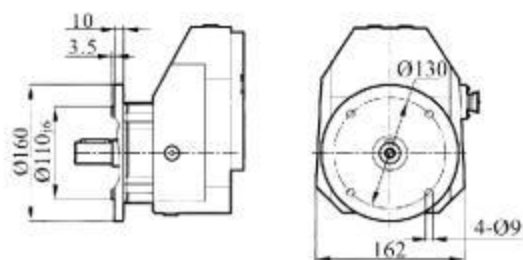
RXF57



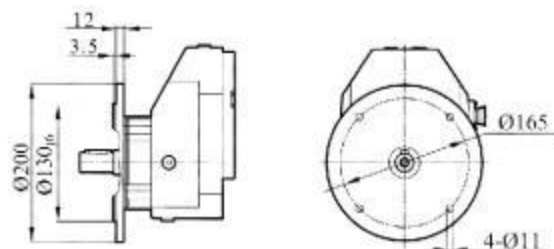
Ø140



Ø160

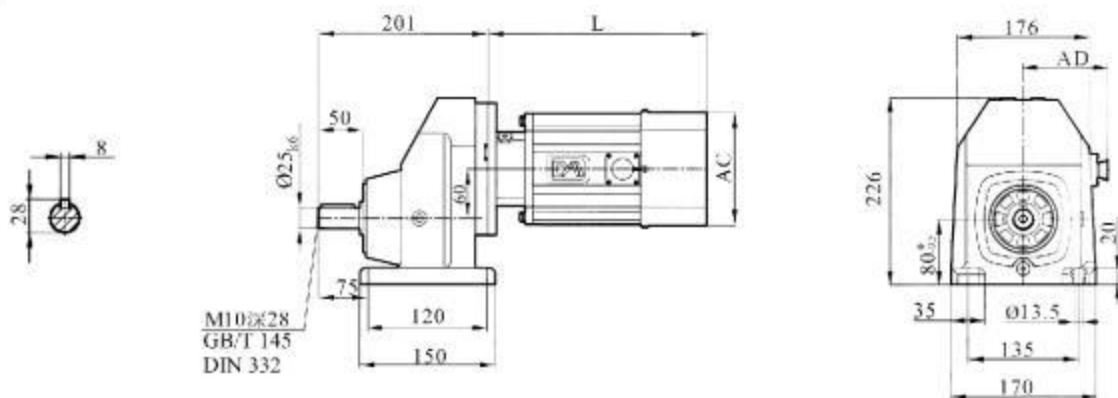


Ø200

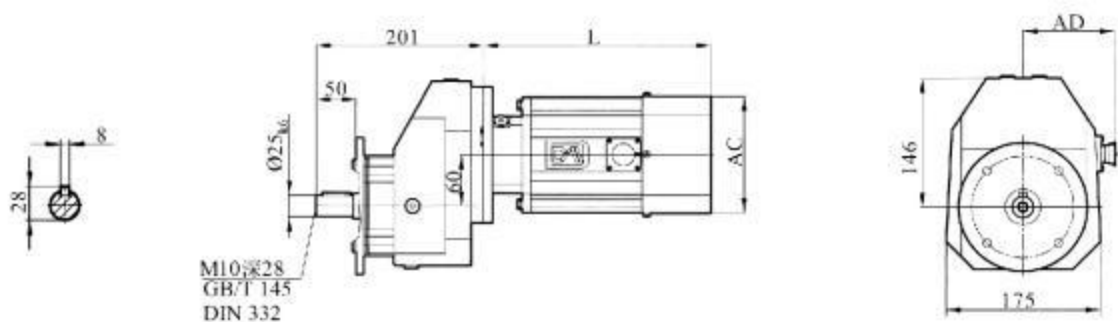


YE2电机座号 Motor Size	63	71	80	90S	90L	100L	112M	132S
L	205	260	290	300	330	330	380	430
AC	120	145	170	190	190	195	215	260
AD	110	130	135	145	145	180	190	210

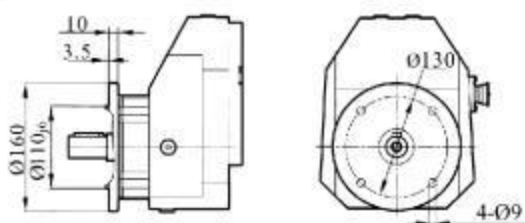
RX67



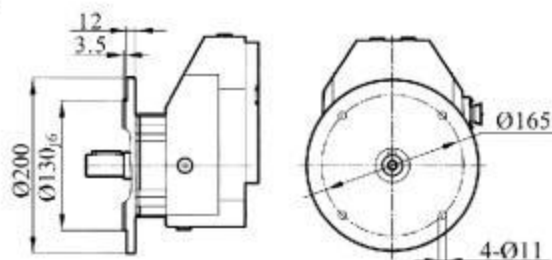
RXF67



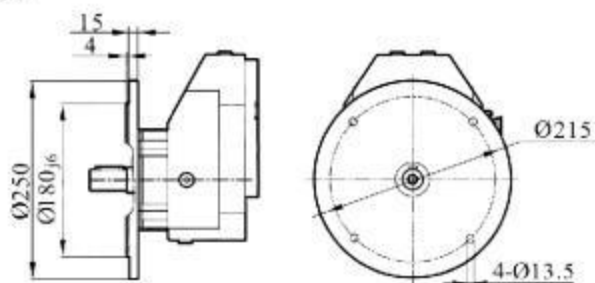
Ø160



Ø200



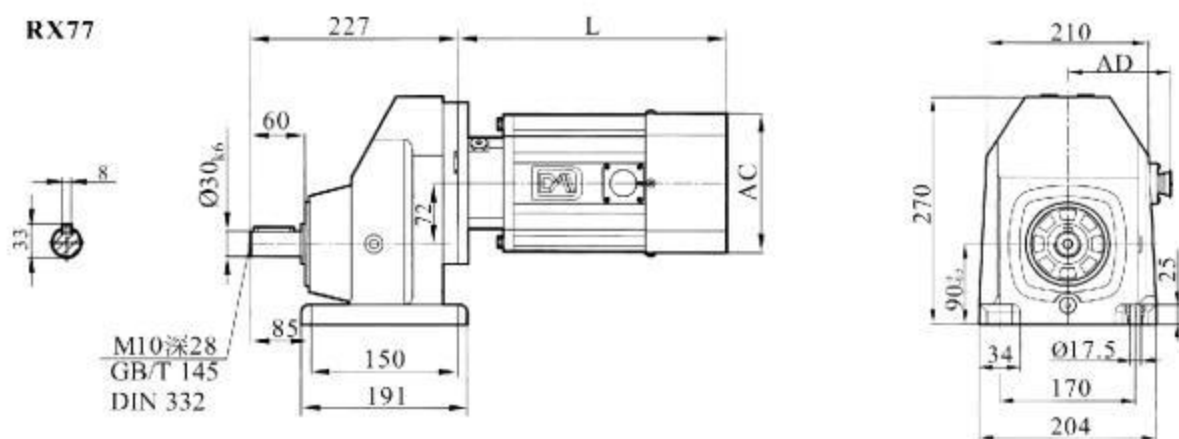
Ø250



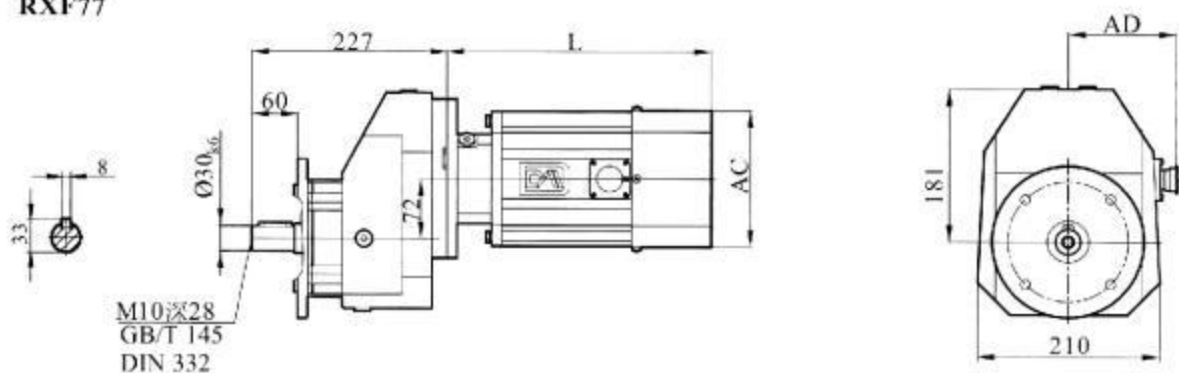
YE2电机座号 Motor Size	63	71	80	90S	90L	100L	112M	132S
L	205	260	290	300	330	330	380	430
AC	120	145	170	190	190	210	230	280
AD	110	130	135	145	145	160	215	215



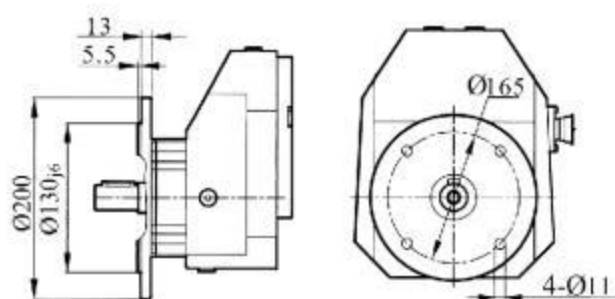
RX77



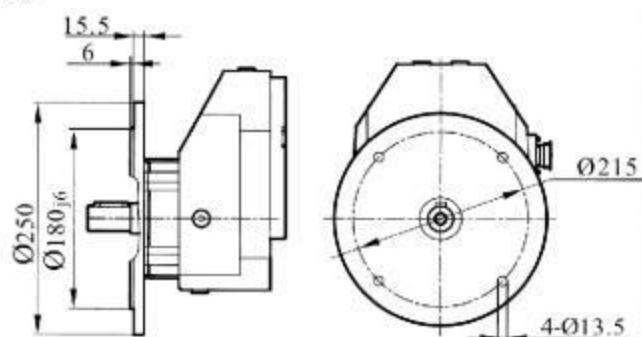
RXF77



Ø200

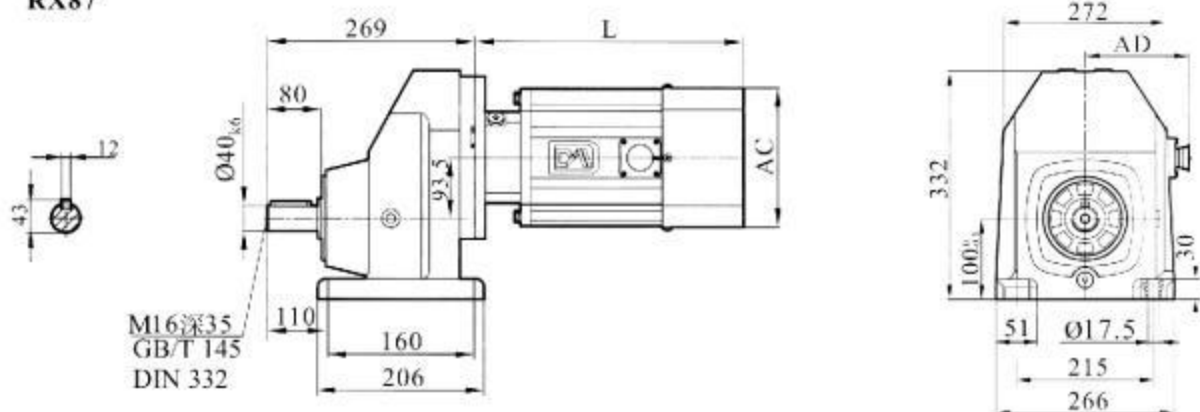


Ø250

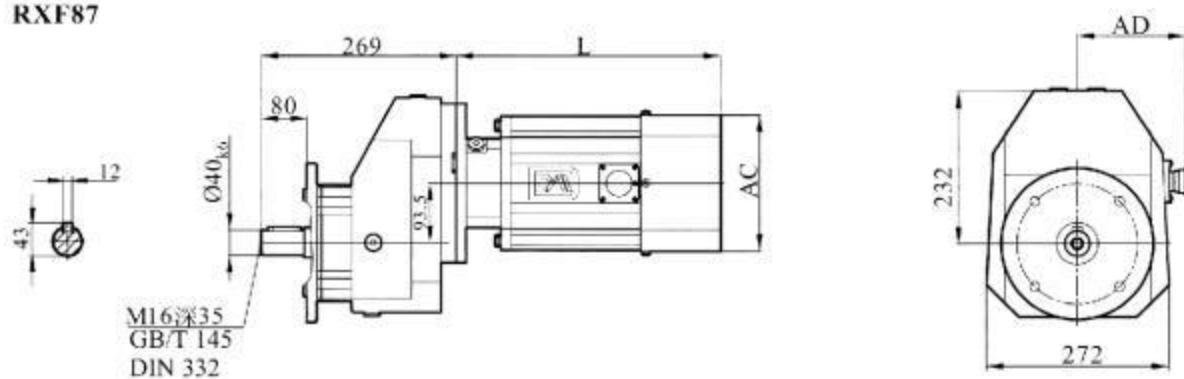


YE2电机机座号 Motor Size	71	80	90S	90L	100L	112M	132S	132M	160M
L	254	284	292	322	322	370	418	457	524
AC	145	170	190	190	210	230	280	280	315
AD	130	135	145	145	160	215	215	215	255

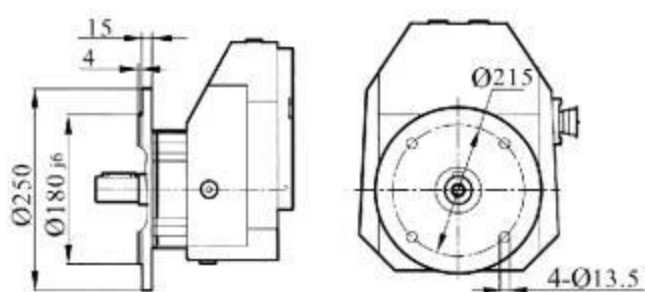
RX87



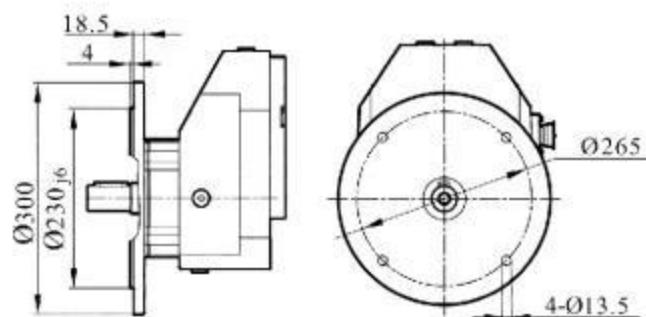
RXF87



Ø250



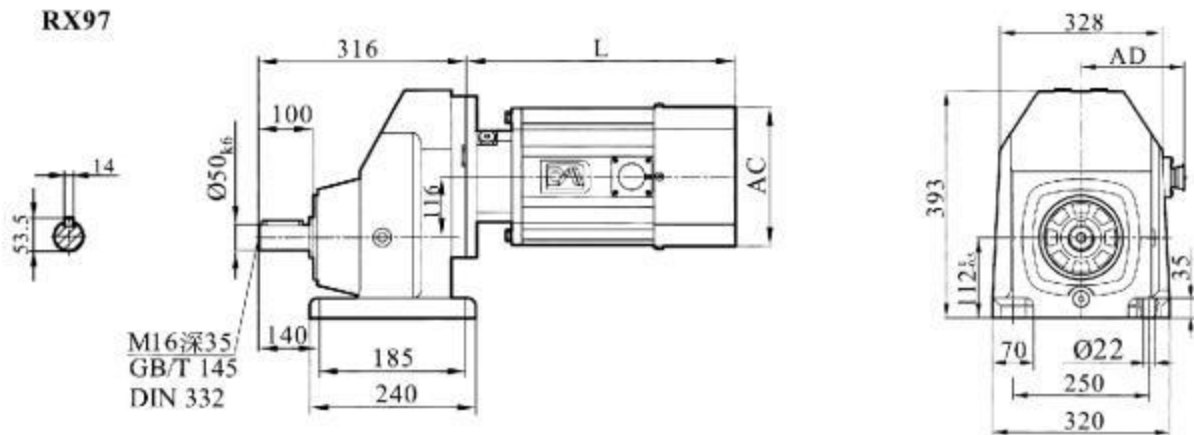
Ø300



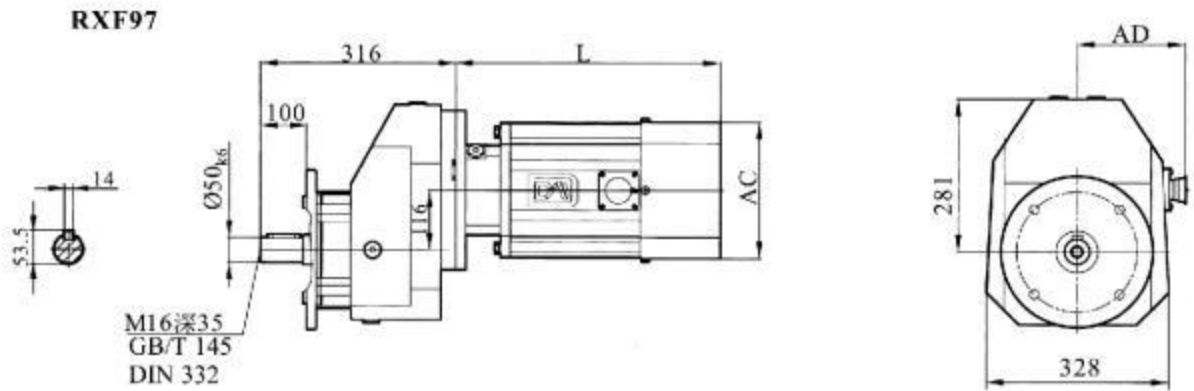
YE2电机机座号 Motor Size	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
L	280	288	318	318	365	413	452	524	527	583	616
AC	170	190	190	210	230	280	280	315	315	350	350
AD	135	145	145	160	215	215	215	255	255	280	280



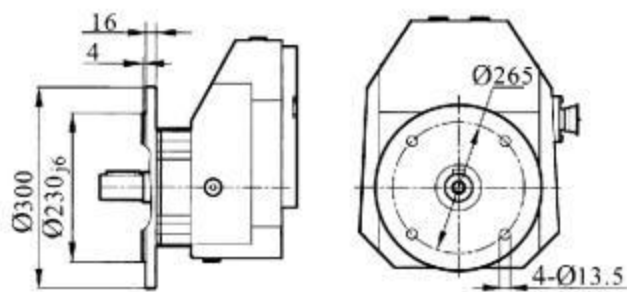
RX97



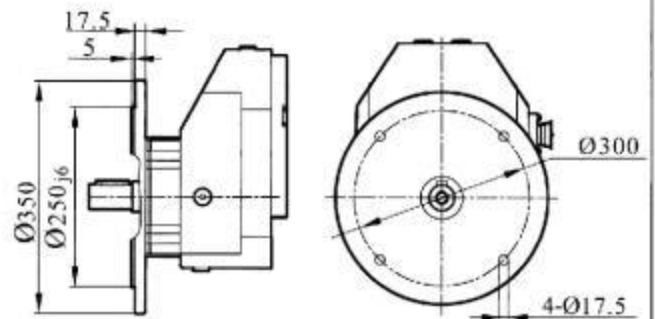
RXF97



Ø300

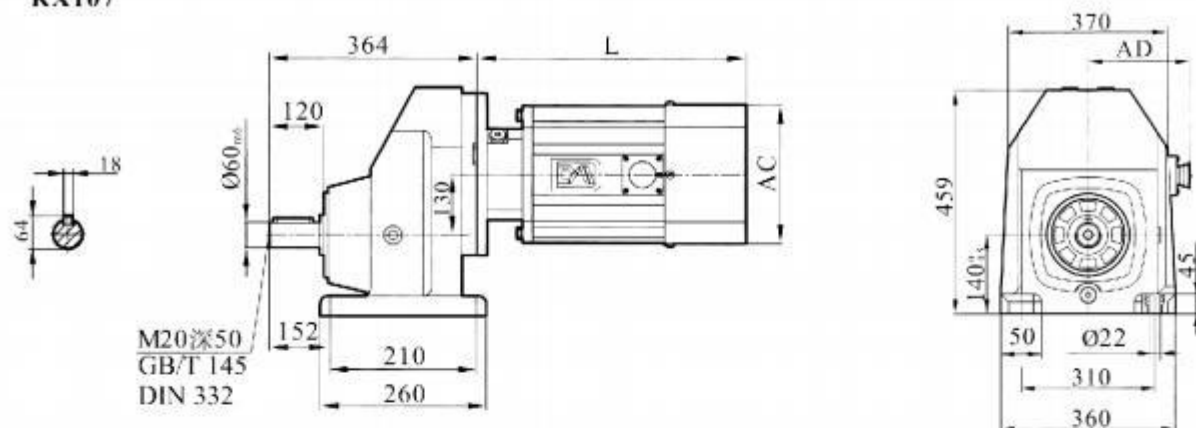


Ø350

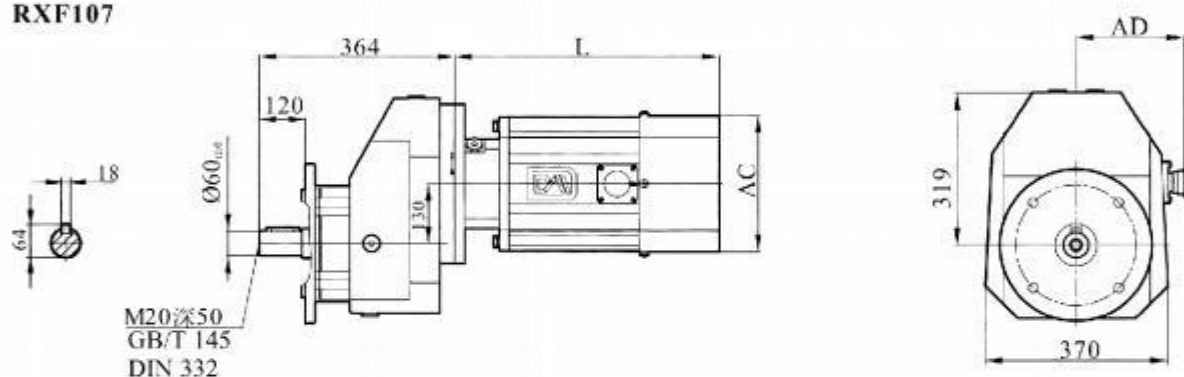


YE2电机机座号 Motor Size	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L
L	280	310	312	360	408	487	524	519	555	588	654
AC	190	190	210	230	280	280	315	315	350	350	395
AD	145	145	160	215	215	215	255	255	280	280	305

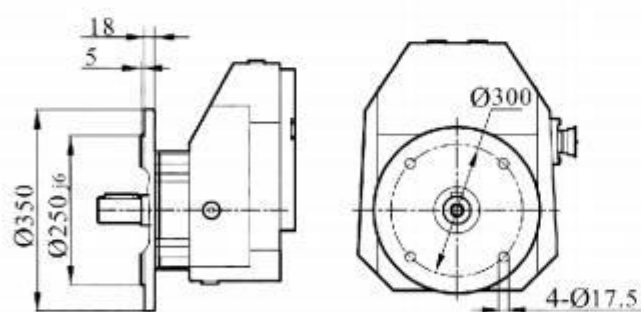
RX107



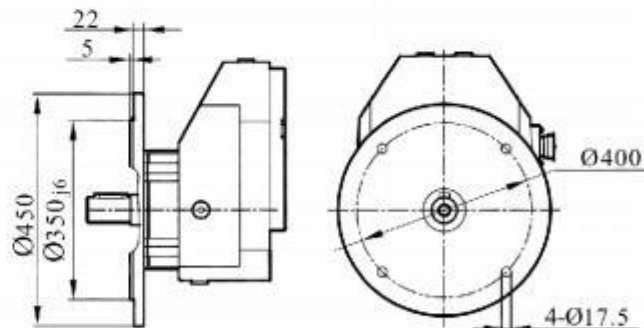
RXF107



Ø350



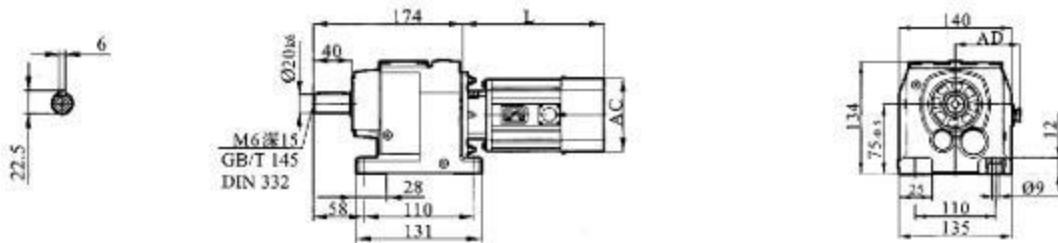
Ø450



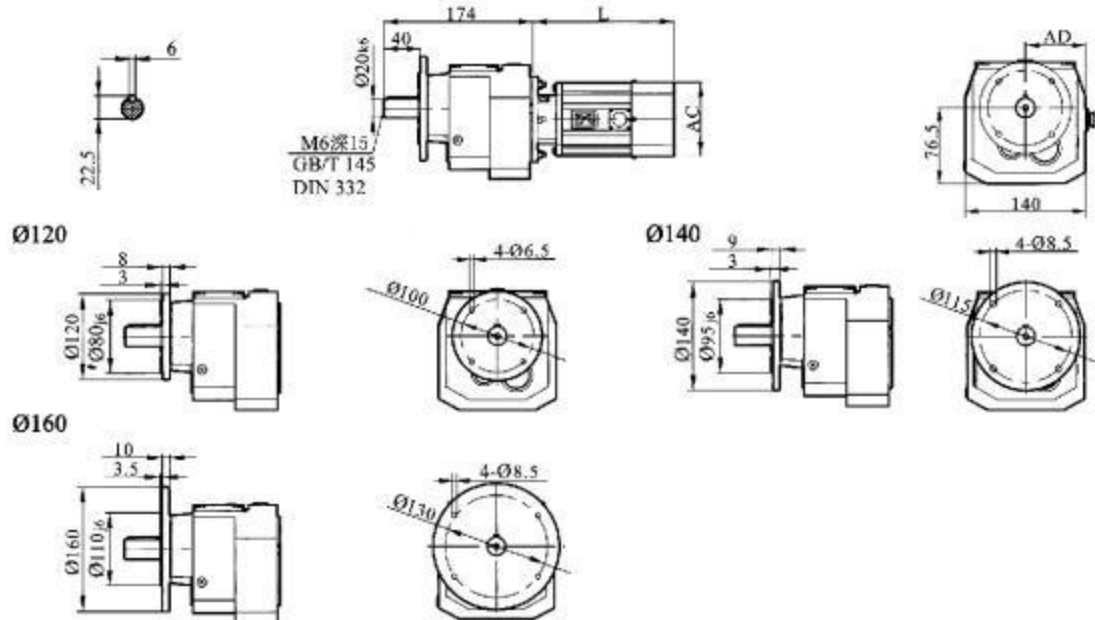
YE2电机机座号 Motor Size	132S	132M	160M	160L	180M	180L	200L	225S	225M
L	254	284	292	322	322	370	418	457	524
AC	145	170	190	190	210	230	280	280	315
AD	130	135	145	145	160	215	215	215	255



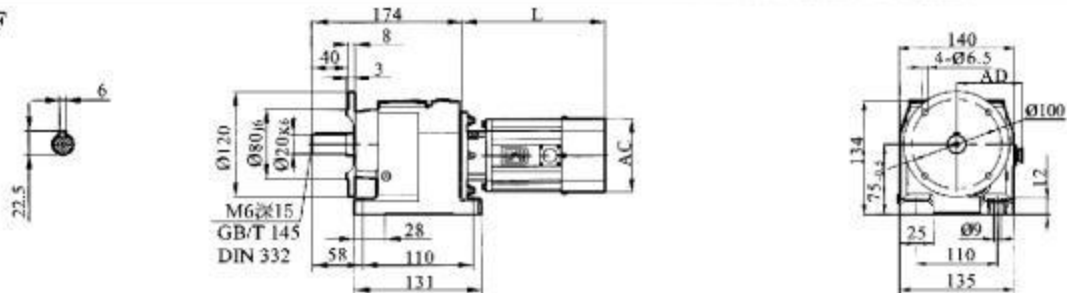
R17



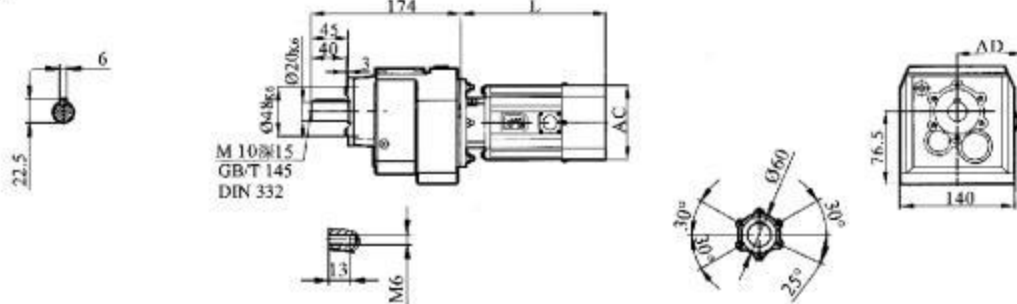
RF17



R17F

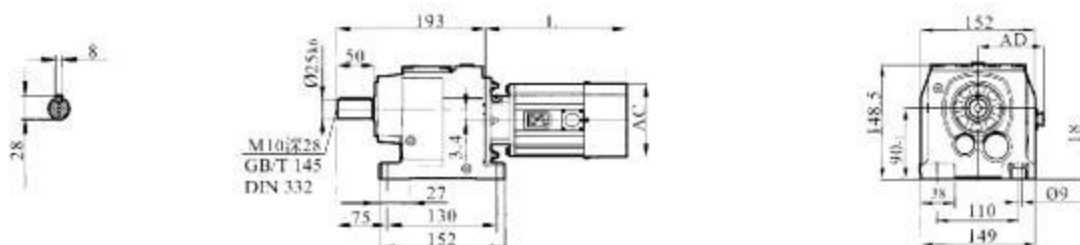


RZ17

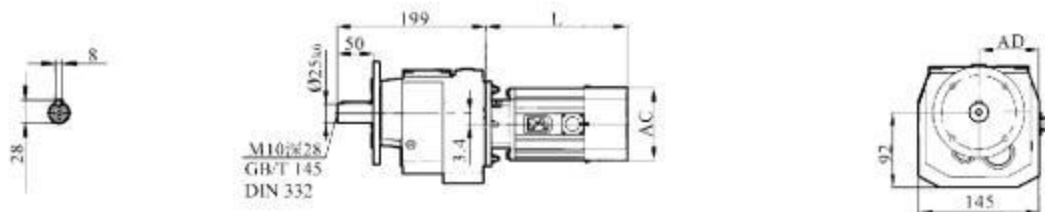
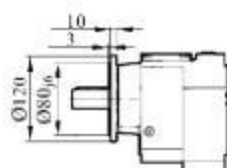
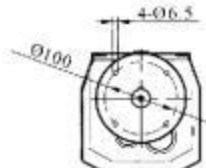
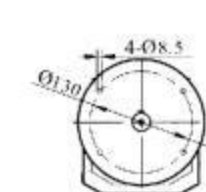
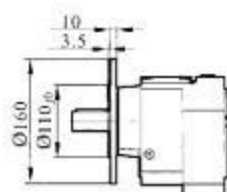


YE2电机机座号 Motor Size	63	71	80	90S	90L	100L
L	225	260	290	300	330	340
AC	120	145	170	190	190	195
AD	110	130	135	145	145	180

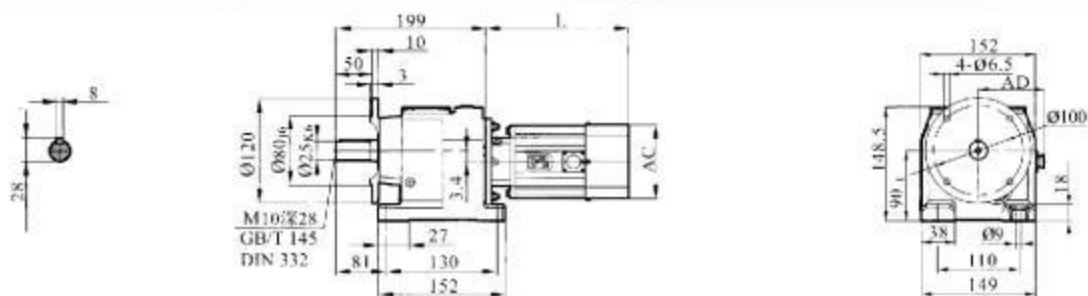
R27



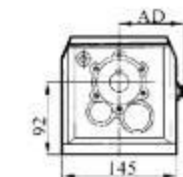
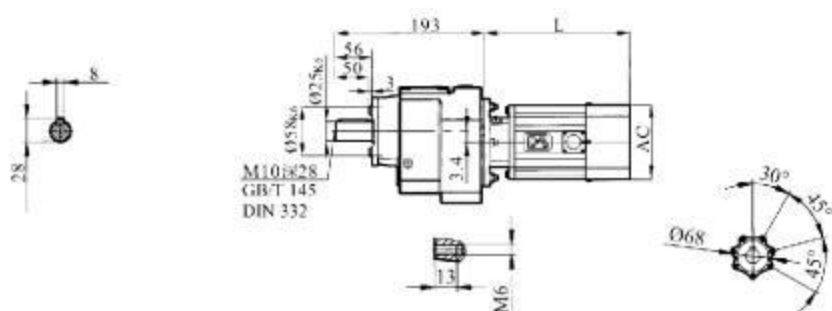
RF27

 $\varnothing 120$  $\varnothing 140$  $\varnothing 160$ 

R27F

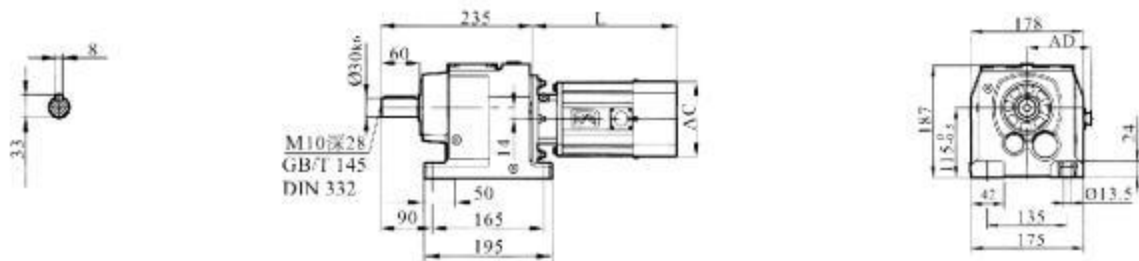


RZ27

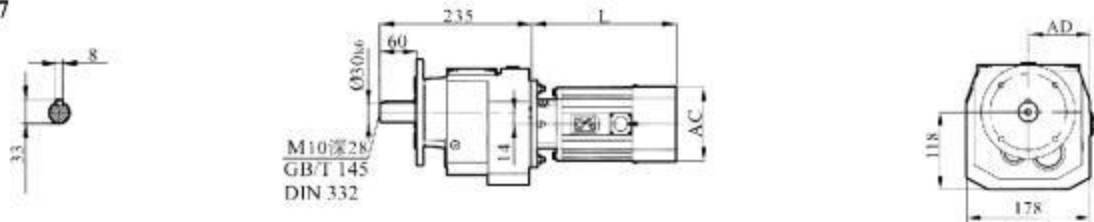
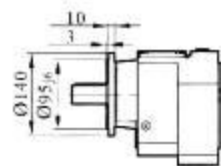
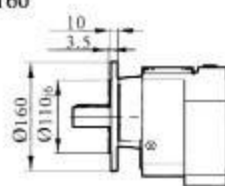
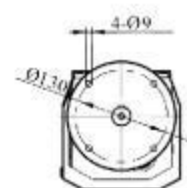
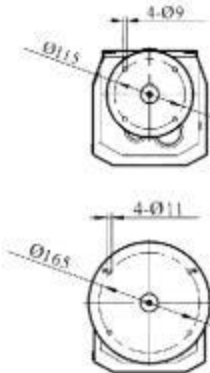
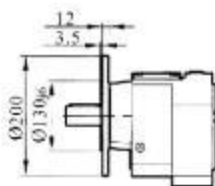


YE2电机机座号 Motor Size	63	71	80	90S	90L	100L
L	225	260	290	300	330	340
AC	120	145	170	190	190	195
AD	110	130	135	145	145	180

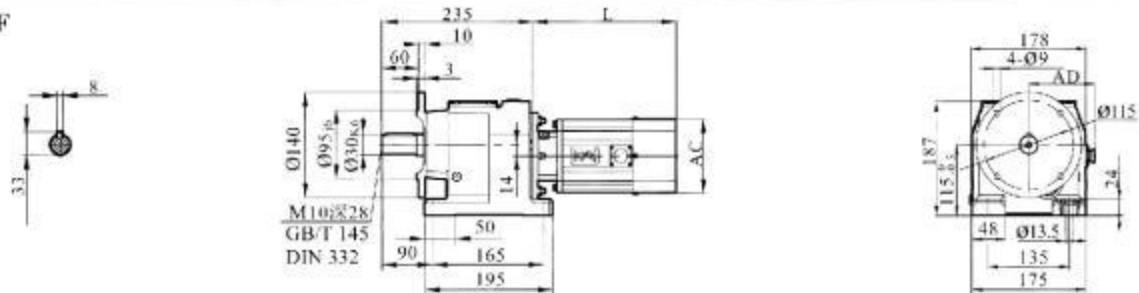
R47



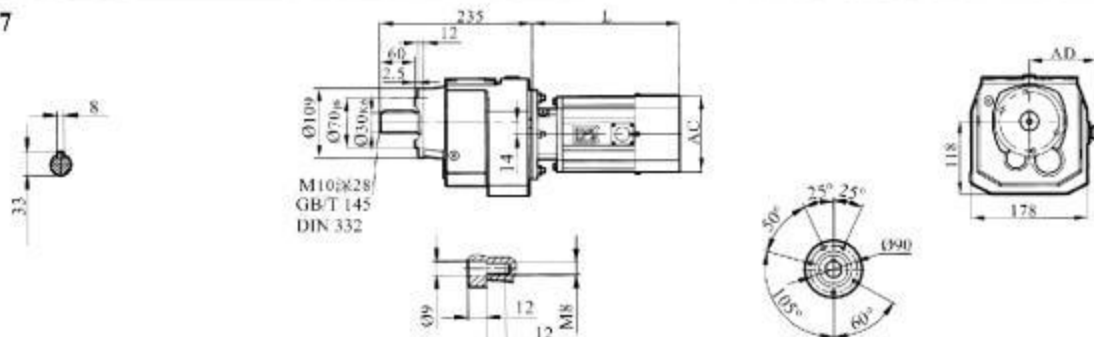
RF47

 $\Phi 140$  $\Phi 160$  $\Phi 200$ 

R47F

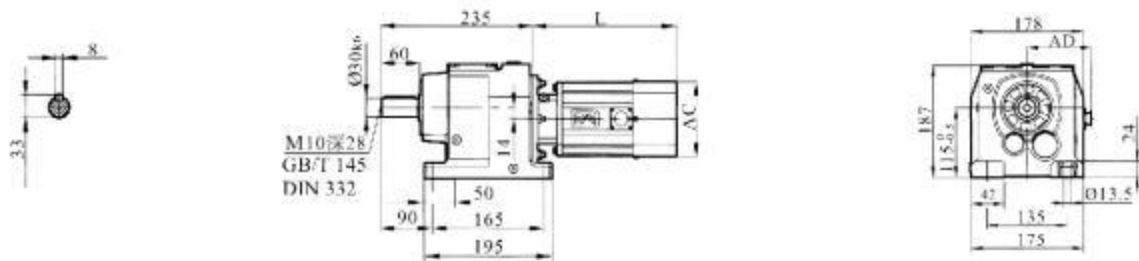


RZ47

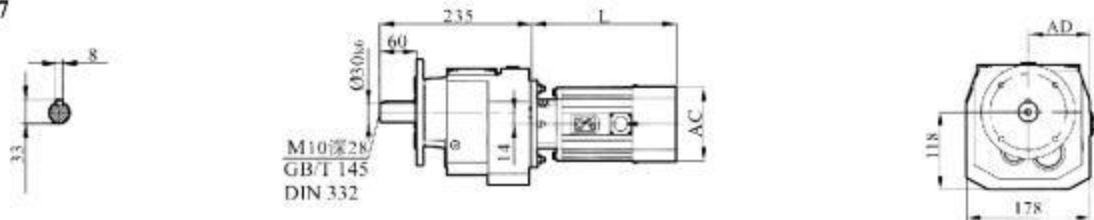
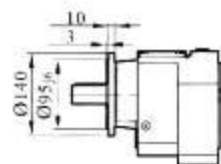
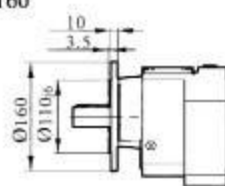
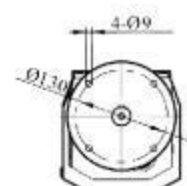
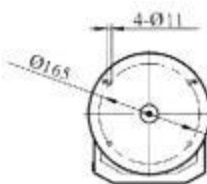
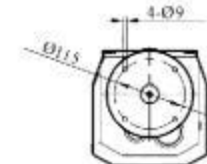
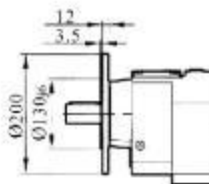


YE2电机机座号 Motor Size	63	71	80	90S	90L	100L	112M	132S
L	205	260	290	300	320	330	380	430
AC	120	145	170	190	190	195	215	260
AD	110	130	135	145	145	180	190	210

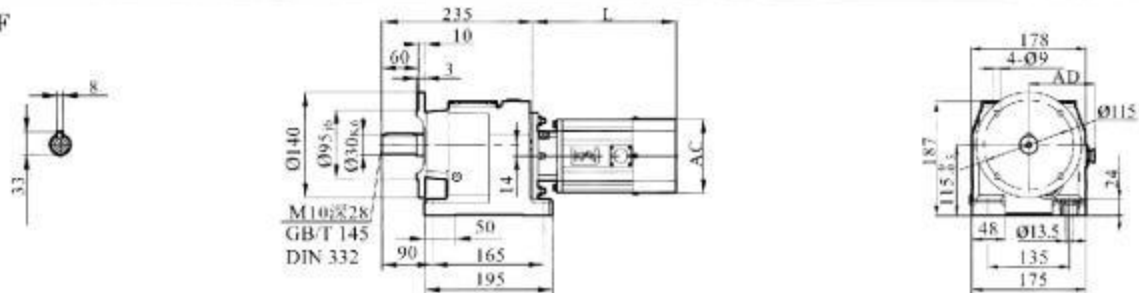
R47



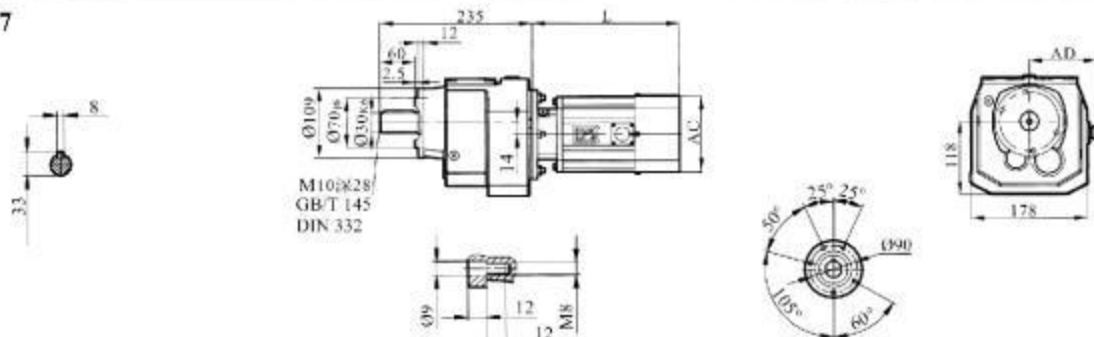
RF47

 $\Phi 140$  $\Phi 160$  $\Phi 200$ 

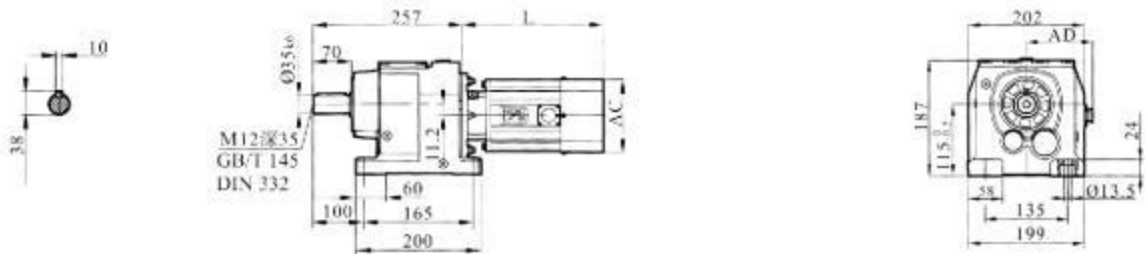
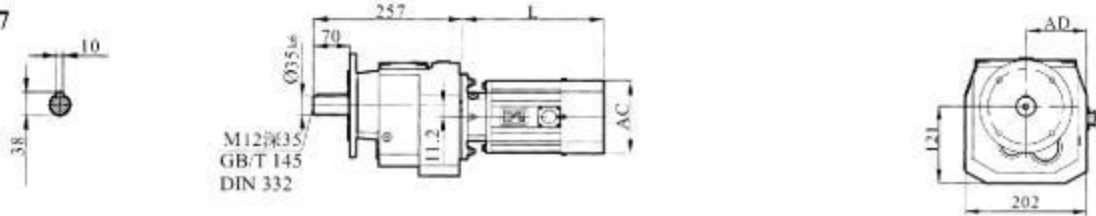
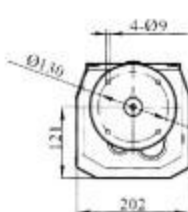
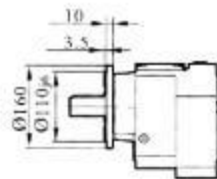
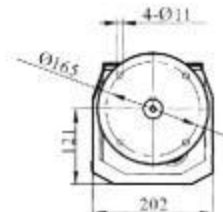
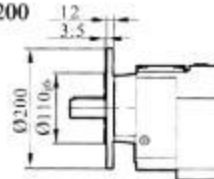
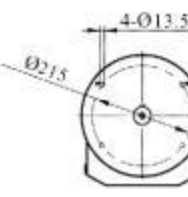
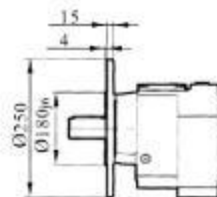
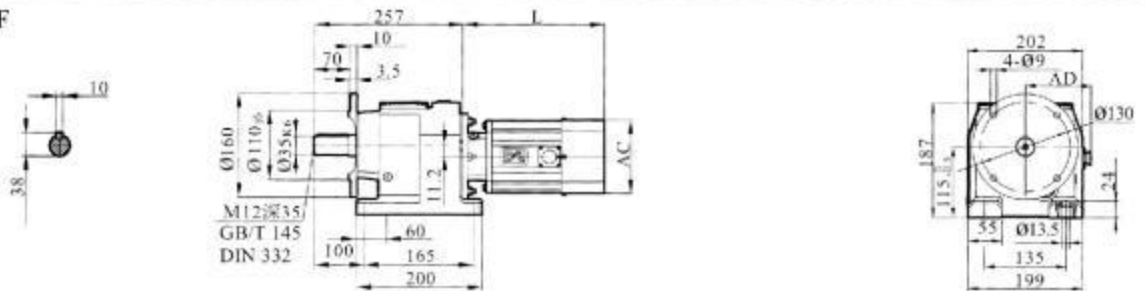
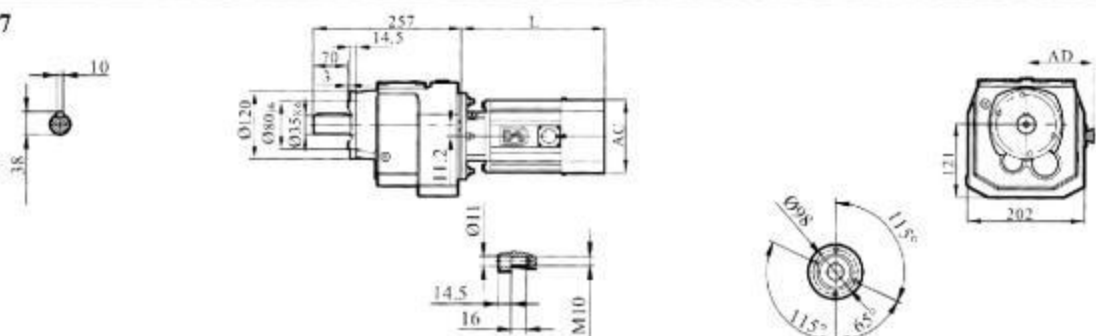
R47F



RZ47

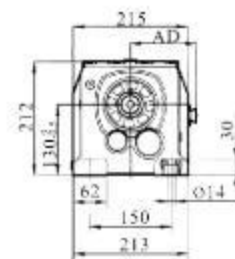
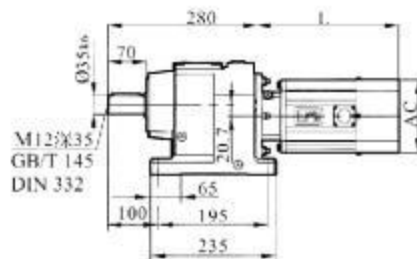
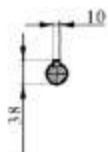


YE2电机机座号 Motor Size	63	71	80	90S	90L	100L	112M	132S
L	205	260	290	300	320	330	380	430
AC	120	145	170	190	190	195	215	260
AD	110	130	135	145	145	180	190	210

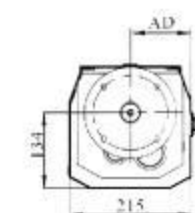
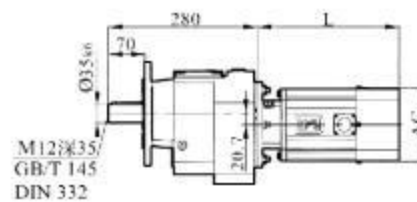
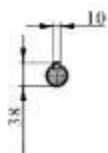

R57

RF57

Ø160

Ø200

Ø250

R57F

RZ57


YE2电机机座号 Motor Size	63	71	80	90S	90L	100L	112M
L	205	260	290	300	330	330	380
AC	120	145	170	190	190	210	230
AD	110	130	135	145	145	160	215

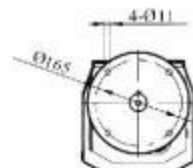
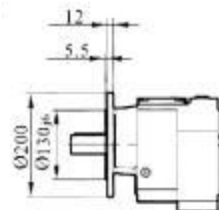
R67



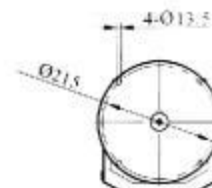
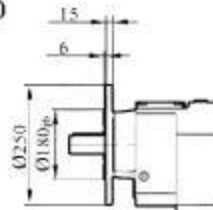
RF67



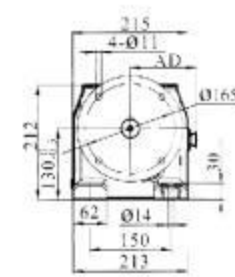
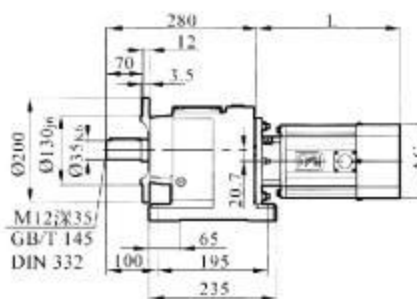
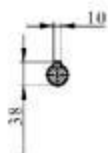
Ø200



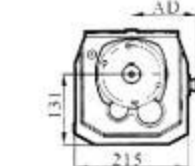
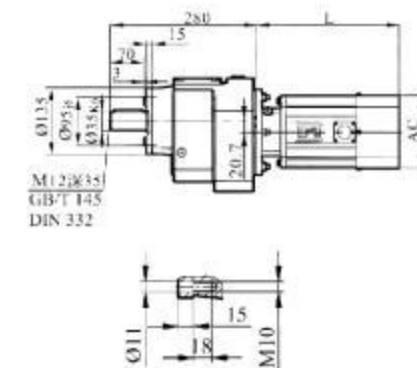
Ø250



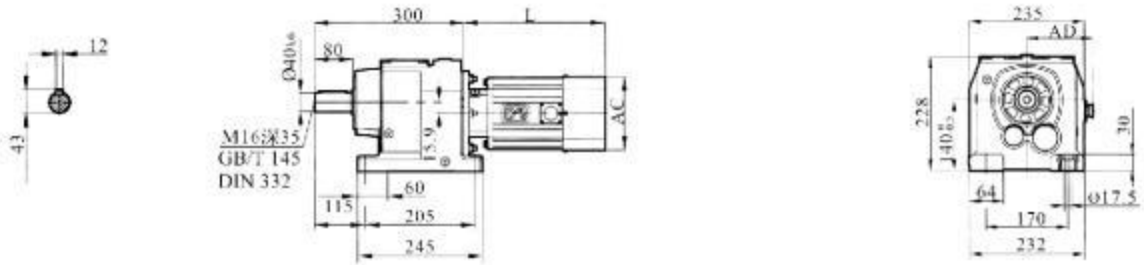
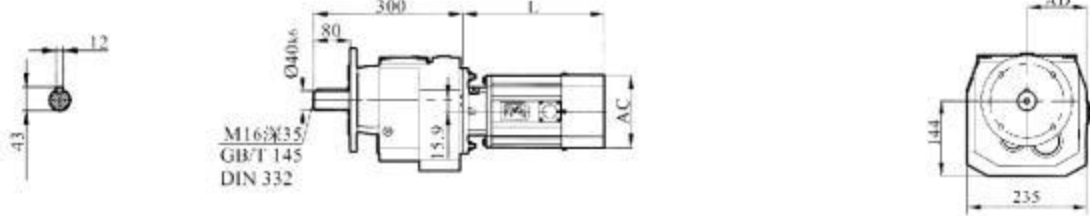
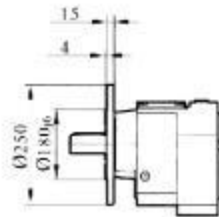
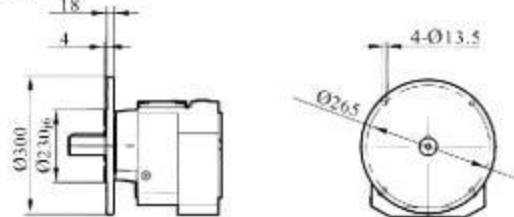
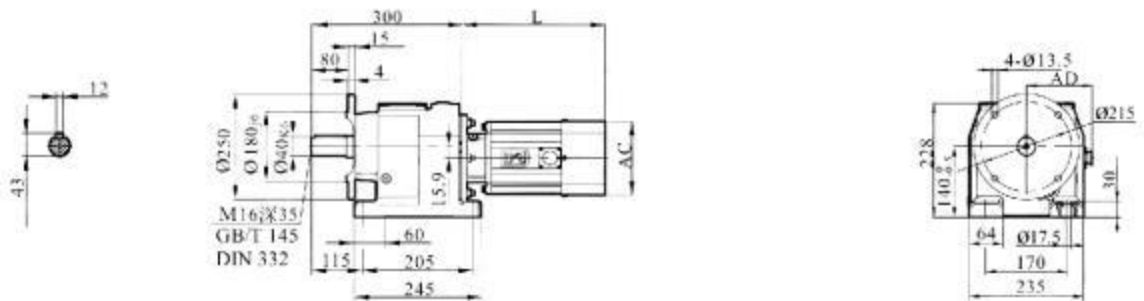
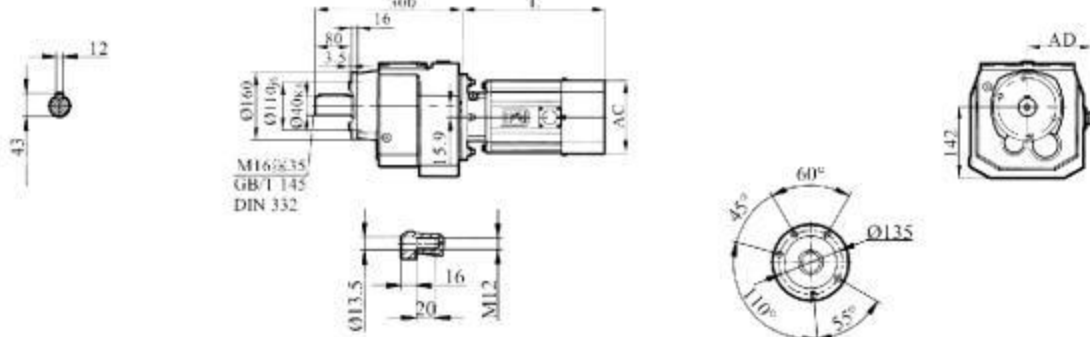
R67F



RZ67

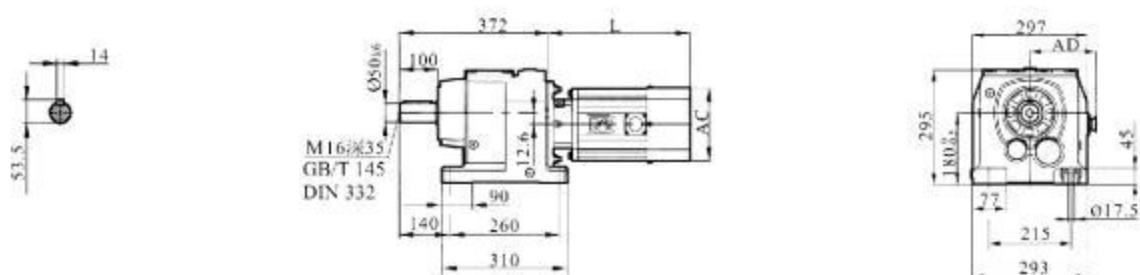


YE2电机机座号 Motor Size	63	71	80	90S	90L	100L	112M	132S
L	205	260	290	300	330	330	380	430
AC	120	145	170	190	190	210	230	280
AD	110	130	135	145	145	160	215	215

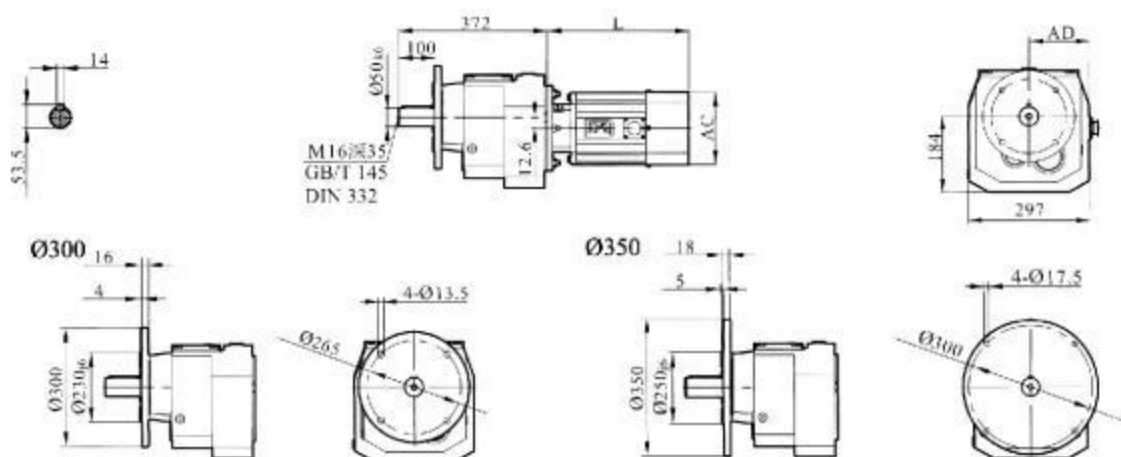

R77

RF77

Ø250

Ø300

R77F

RZ77


YE2电机机座号 Motor Size	71	80	90S	90L	100L	112M	132S	132M	160M
L	254	284	292	322	322	370	418	457	524
AC	145	170	190	190	210	230	280	280	315
AD	130	135	145	145	160	215	215	215	255

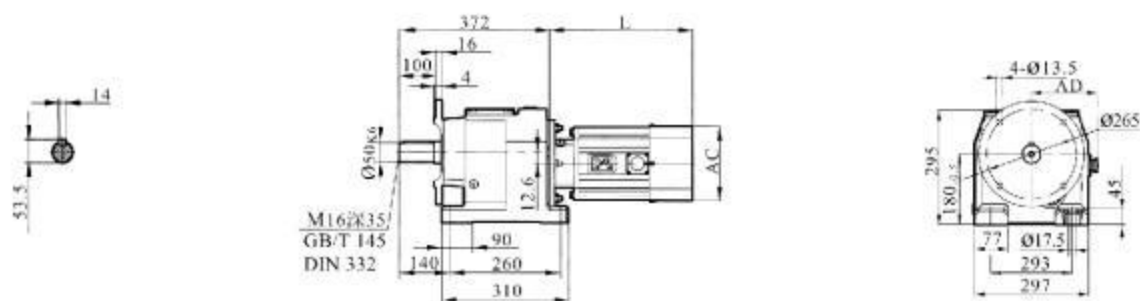
R87



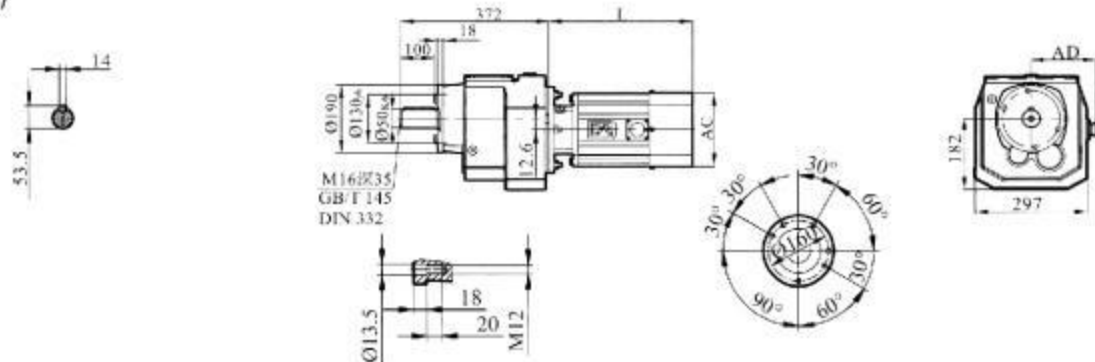
RF87



R87F



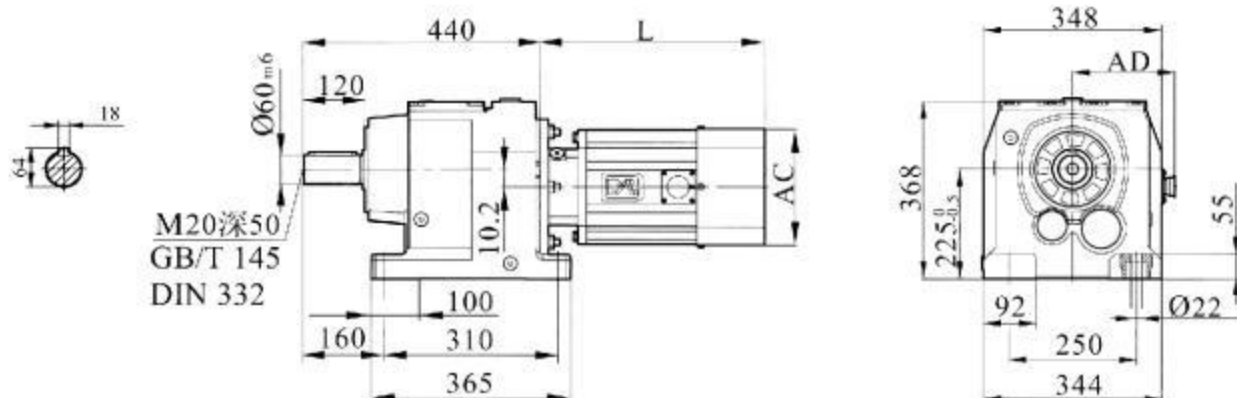
RZ87



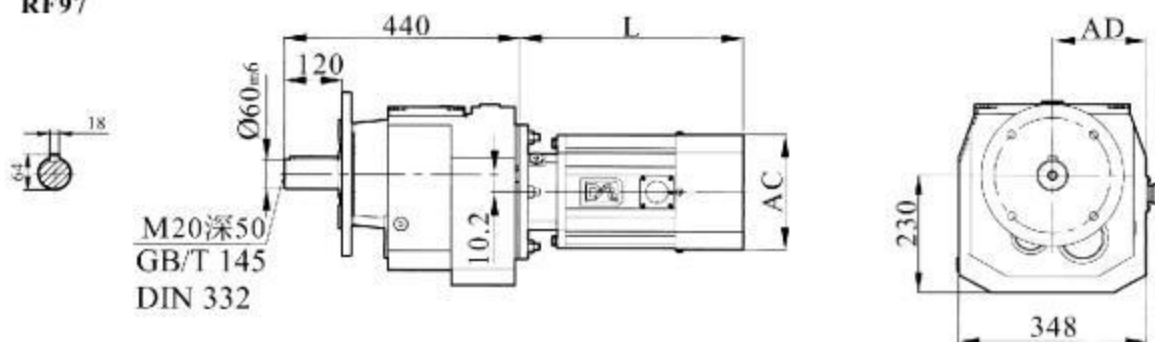
YE2电机机座号 Motor Size	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
L	280	288	318	318	365	413	452	524	547	583	616
AC	170	190	190	210	230	280	280	315	315	350	350
AD	135	145	145	160	215	215	215	255	255	280	280



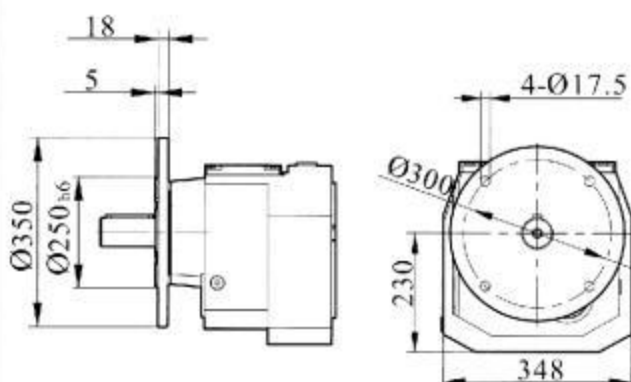
R97



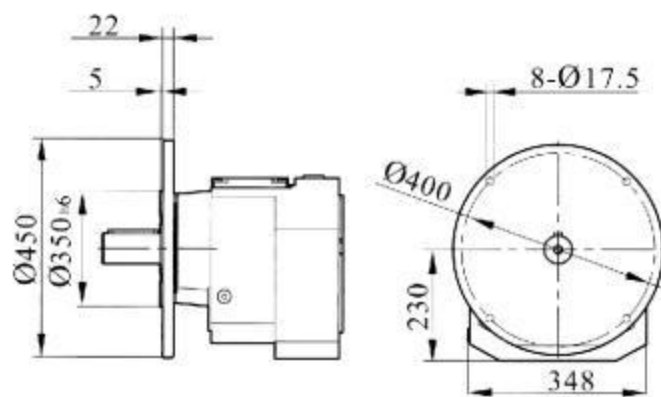
RF97



Ø350

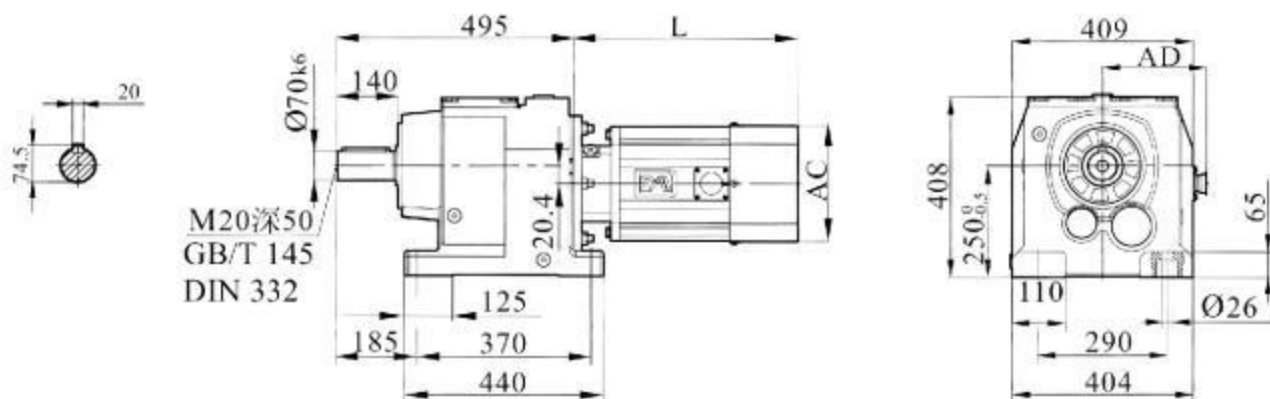


Ø450

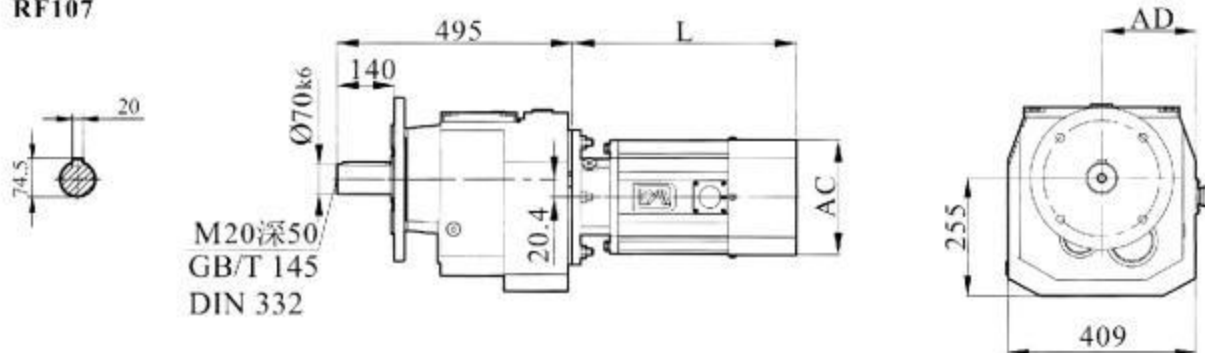


YE2电机机座号 Motor Size	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L
L	246	280	310	312	360	408	487	524	519	555	588	654
AC	170	190	190	210	230	280	280	315	315	350	350	395
AD	135	145	145	160	215	215	215	255	255	280	280	305

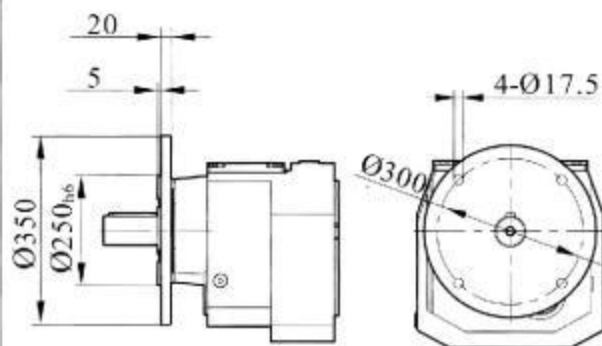
R107



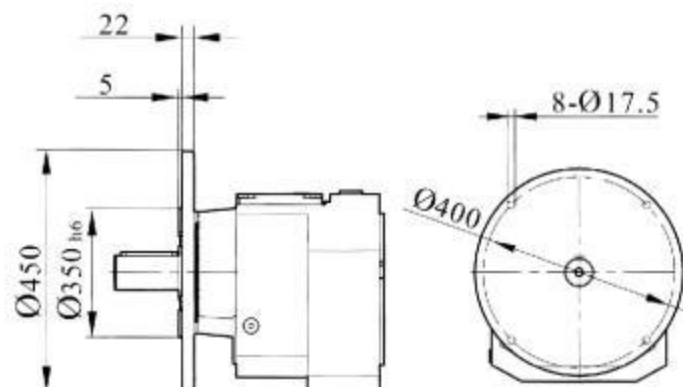
RF107



Ø350

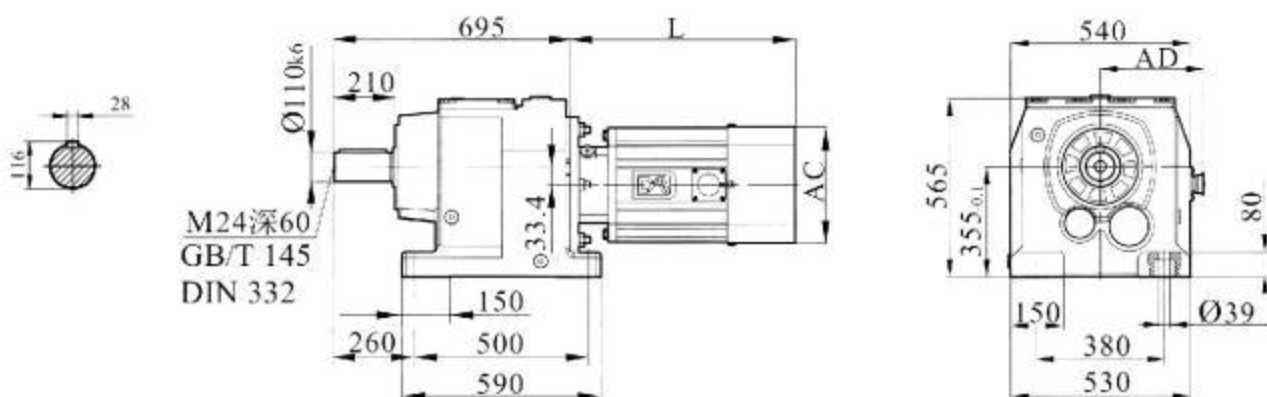


Ø450

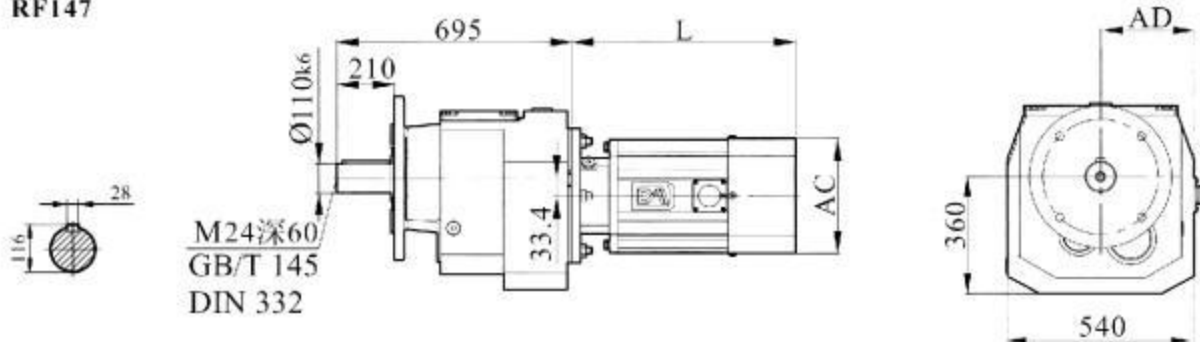


YE2电机机座号 Motor Size	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
L	308	354	403	482	524	519	555	588	654	680	702
AC	210	230	280	280	315	315	350	350	395	450	450
AD	160	215	215	215	255	255	280	280	305	335	335

R147

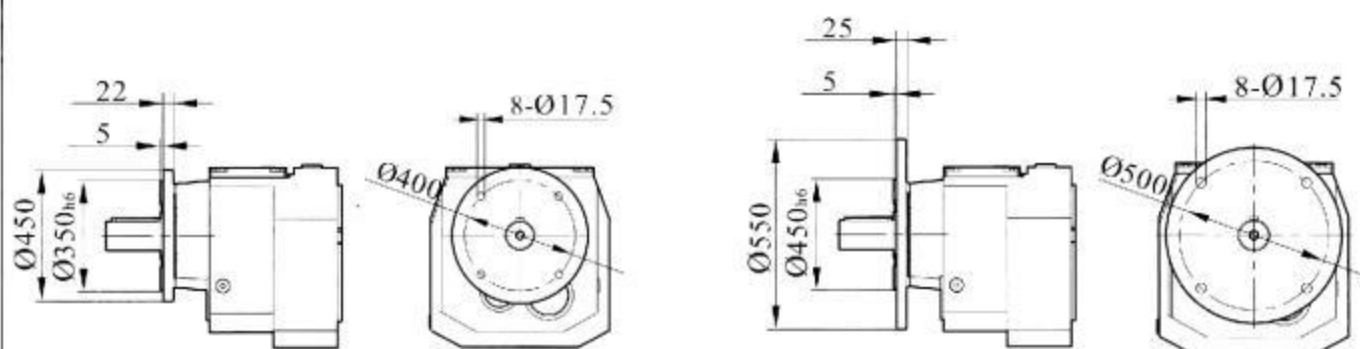


RF147



Ø450

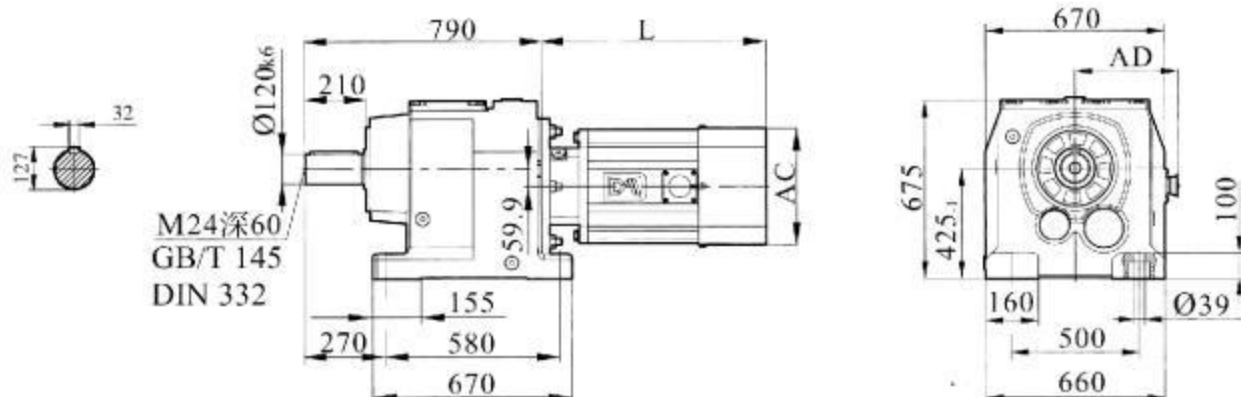
Ø550



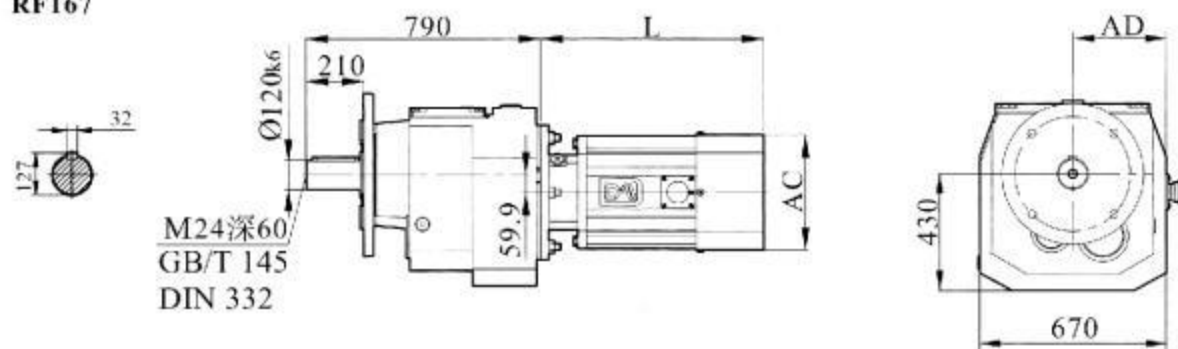
YE2电机机座号 Motor Size	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
L	567	602	635	666	642	669	691	770	828	879
AC	315	315	350	350	395	450	450	480	530	530
AD	255	255	280	280	305	335	335	370	410	410



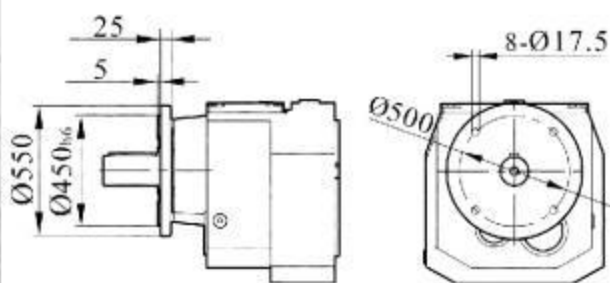
R167



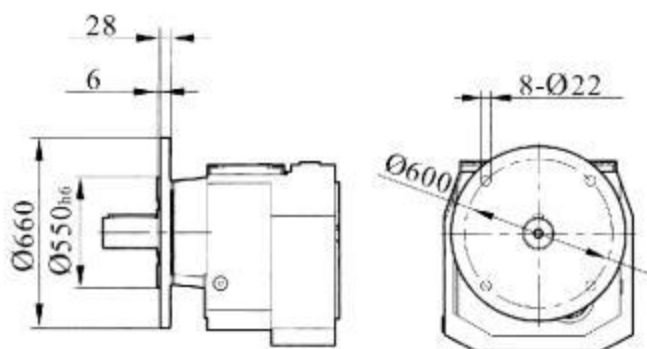
RF167



Ø550

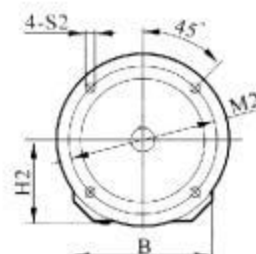
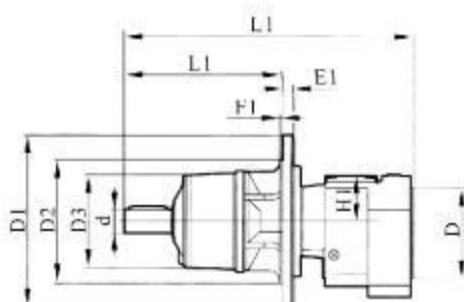


Ø660

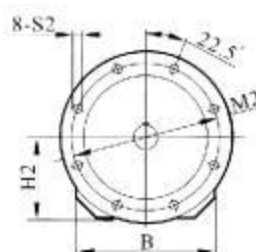
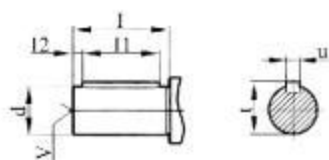


YE2电机机座号 Motor Size	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315L
L	567	602	635	666	642	669	691	770	828	879	1100	1210	1210
AC	315	315	350	350	395	450	450	480	530	530	645	645	645
AD	255	255	280	280	305	335	335	370	410	410	530	530	530

RM57~RM167外形尺寸/RM57~RM167Dimensions



RM57~RM87



RM97~RM167

型号 Size	A	B	D1	D2	D3	E1 F1	H1 H2	M S2	L L1	D d	I	I1	I2	u	t	v
RM57	11.2	202	250	180j6	135	15 4	72 121	215 13.5	420 230	160 35k6	70	60	5	10	38	M12
RM67	20.7	215	300	230j6	144	16 4	82 134	265 13.5	459 240	160 40k6	80	70	5	12	43	M16
RM77	15.9	235	350	250h6	170	18 5	88 144	300 17.5	527 300	200 50k6	100	80	10	14	53.5	M16
RM87	12.6	297	350	250h6	186	18 5	88 144	300 17.5	639 360	250 50k6	120	110	5	18	64	M20
RM97	10.2	348	450	350h6	214	22 5	144 230	400 17.5	745 420	300 70m6	140	125	7.5	20	74.5	M20
RM107	20.4	409	550	450h6	232	25 5	158 255	500 17.5	864 500	350 80m6	170	125	20	22	85	M20
RM137	25.1	458	550	450h6	253	25 5	180 320	500 17.5	1024 600	400 100m6	210	180	15	28	106	M24
RM147	33.4	540	660	550h6	274	28 6	210 361	600 22	1154 660	450 110m6	210	180	15	28	116	M24
RM167	59.9	670	660	550h6	290	28 6	250 430	600 22	1313 730	550 125m6	210	200	5	32	134	M24

浙江德齿传动科技股份有限公司
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