

K

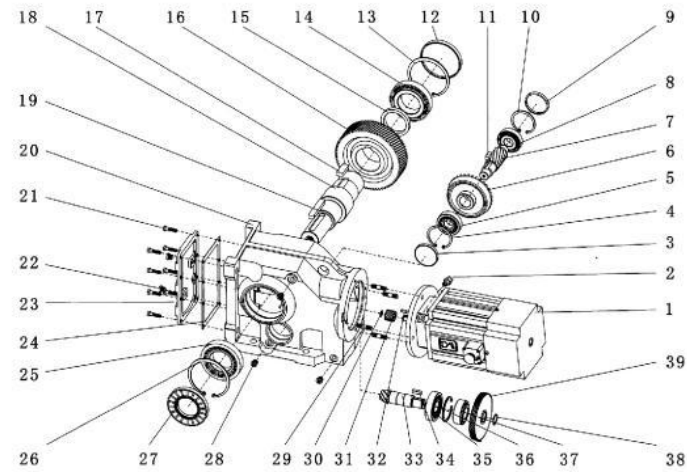
K系列斜齿轮-伞齿轮减速电机

K SERIES HELICAL -
BEVEL GEARED MOTORS

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4.1 部件分解图 / Spare Parts List

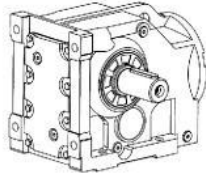
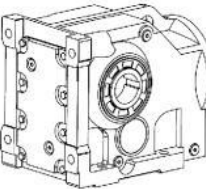
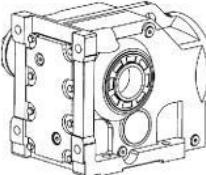
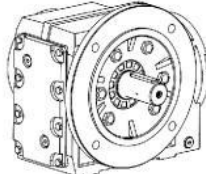
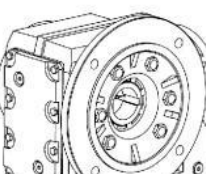


- | | |
|-----------------------------------|------------------------------------|
| 1 电机/motor | 21 外六角螺钉/six angle screw |
| 2 透气阀/breather valve | 22 油塞/oil level plug |
| 3 平面油封/plane seal | 23 盖板/cover plate |
| 4 孔用挡圈/retaining rings for bores | 24 纸垫/gasket |
| 5 轴承/bearing | 25 轴承/bearing |
|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

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4.2 机型版本 /Versions

4.2.1 基本型式 /Basic Versions

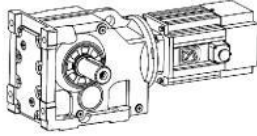
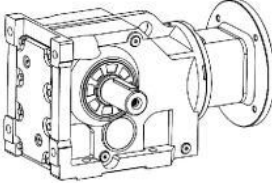
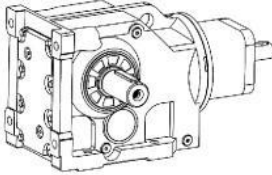
	K.. 底脚安装斜齿-伞齿减速机 Foot-mounted helical-bevel gear unit.
	KA..B 底脚空心轴安装斜齿-伞齿减速机 Foot-mounted helical-bevel gear unit with hollow shaft. KV..B 底脚花键空心轴 (DIN 5480) 安装斜齿-伞齿减速机 Foot-mounted helical-bevel gear unit with hollow shaft and splined hollow shaft to DIN 5480.
	KH..B 底脚空心轴锁紧盘安装斜齿-伞齿减速机 Foot-mounted helical-bevel gear unit with hollow shaft and shrink disc.
	KF.. B5 法兰安装斜齿-伞齿减速机 Helical-bevel gear unit in B5 flange-mounted version.
	KAF.. B5 法兰空心轴安装斜齿-伞齿减速机 Helical-bevel gear unit in B5 flange-mounted version with hollow shaft. KVF.. B5 法兰花键空心轴 (DIN 5480) 安装斜齿-伞齿减速机 Helical-bevel gear unit in B5 flange-mounted version with hollow shaft and splined hollow shaft to DIN 5480.



	KHF.. B5 法兰空心轴锁紧盘安装斜齿-伞齿减速机 Helical-bevel gear unit in B5 flange-mounted version with hollow shaft and shrink disc.
	KA.. 空心轴安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft. KV.. 花键空心轴 (DIN 5480) 安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft and splined hollow shaft to DIN 5480.
	KH.. 空心轴锁紧盘安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft and shrink disc. KT.. 空心轴扭力臂安装斜齿-伞齿减速机 Helical-bevel gear unit with hollow shaft and torque arm.
	KAZ.. B14 法兰空心轴安装斜齿-伞齿减速机 Helical-bevel gear unit in B14 flange-mounted version with hollow shaft. KVZ.. B14 法兰花键空心轴 (DIN 5480) 安装斜齿-伞齿减速机 Helical-bevel gear unit in B14 flange-mounted version with hollow shaft and splined hollow shaft to DIN 5480.
	KHZ.. B14 法兰空心轴锁紧盘安装斜齿-伞齿减速机 Helical-bevel gear unit in B14 flange-mounted version with hollow shaft and shrink disc.

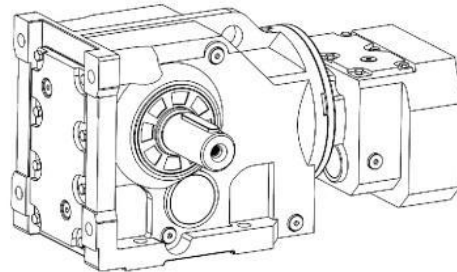
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4.2.2 输入型式 / Input Versions

	K.. Y.. 直联电机输入 Input with geared motors.
	K.. AM.. AM (IEC) 法兰输入 Input with AM adapters for mounting IEC motors.
	K.. AD.. AD 轴输入 Input with AD shaft assembly.

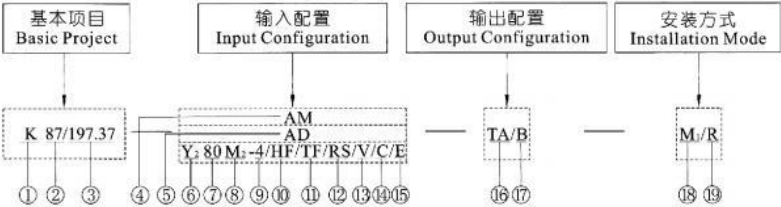
4.2.3 K..与 RF.组合 / K.. and RF.. Combination

当需要特别低速输出时，可选择 RF 齿轮箱作为 K 齿轮箱的输入。
If special low speed is needed, RF.. gearbox can be the input of K.. Gearbox.





4.3 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	K、KF、KA...(详见4.2.1) K,KF,KA...(see 4.2.1).
	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...
	⑥	电机代号 Motor Code	Y: 三相异步电动机 Y: 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: 变频调速三相异步电动机 YVF: Variable Frequency Speed Control Three Phase Asynchronous Motor. YEJ: 电磁制动三相异步电动机 YEJ: 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

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	标号 NO.	含义 Meaning	说明 Explanation
输入配置 Input Configuration	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.
	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
输出配置 Output Configuration	⑯	扭力臂 Torque Arm	无代码: 无扭力臂 No Code: No torque arm. T A: 扭力臂指向 A T A: Torque arm pointing to A. T B: 扭力臂指向 B T B: Torque arm pointing to B.
	⑰	法兰或轴指向 Flange or Shaft Pointing direction.	A: 法兰或轴指向 A A: Flange or shaft pointing to A. B: 法兰或轴指向 B B: Flange or shaft pointing to B. A+B: 双出轴或双法兰 A+B: Double flange or shaft.
安装方式 Mounting Positions	⑱	安装方位 Mounting Position	M1、M2、M3、M4、M5、M6
	⑲	电机接线盒方位 Position for motor terminal box.	R、B、L、T



说明:

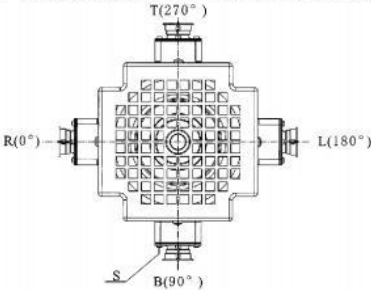
1. 基本项目不可省略;
2. 输入配置中, 只能在 AM、AD 和电机之间选择一种;
3. 输出配置参数若省略, 默认按A方向提供;
4. 安装方式参数若省略, 默认按 M1 安装方位, R 接线盒方位提供。

Notes:

1. Basic project can not be omitted.
2. Input configuration can only be one of AM, AD and motor.
3. If no output configuration, default pointing direction will be B.
4. If not mounting position, default mounting position will be M1, default position for motor terminal will be R.

4.4 安装方位 / Mounting Positions

4.4.1 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。

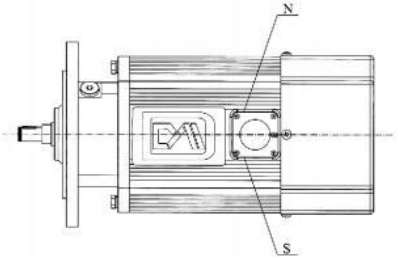
Mark: This picture is the installation position of M1

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。



S: 默认进线方位

S: Default Line Position

Notes:

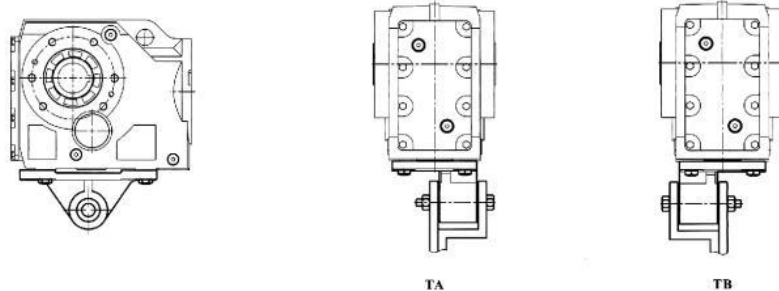
The view direction of above figure: from the fan cover in the end of the motor to look forward.

There will be four position for motor terminal box: R(0°)、B(90°)、L(180°)、T(270°). And default position is R(0°). If no special explanation, it will be provided in default position. If no special explanation, it will be provided in default position.

There will be two line position: S and N. Default position is S. If no special explanation, it will be provided in default position. If no special explanation, it will be provided in default position.

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4.4.2 扭力臂方位 / Position of Torque Arm



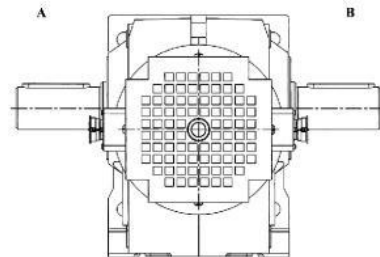
说明:

扭力臂方位 TA 与 TB 是对称的。

Notes:

TA and TB are symmetrical.

4.4.3 法兰或轴指向 / Position of The Output Shaft and Flange



说明:

上图的视图方向为: 从电机尾部的风罩向前看。

可提供 A、B 或 A+B 三种输出法兰或输出轴的方位。

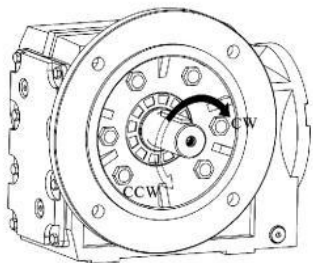
Notes:

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

There are three positions: A or B or A+B.



4. 4. 4 输出轴旋转方向 / Direction of Rotation of Output Shaft



说明:

当减速电机带逆止器时，需规定输出轴的旋转方向。

上图中，从输出轴观看，顺时针旋转规定为 CW；逆时针旋转规定为 CCW。

当减速电机采用 A+B 方式输出时（见4. 3），需指出给定的旋转方向是从 A 端观看还是从 B 端观看。

Notes:

It is necessary to stipulate the direction of rotation of the output shaft if the drive has a back stop.

For above figure, the following definition applies:

Looking onto the output shaft.

CW = Rotating Clockwise

CCW = Rotation Counter-clockwise

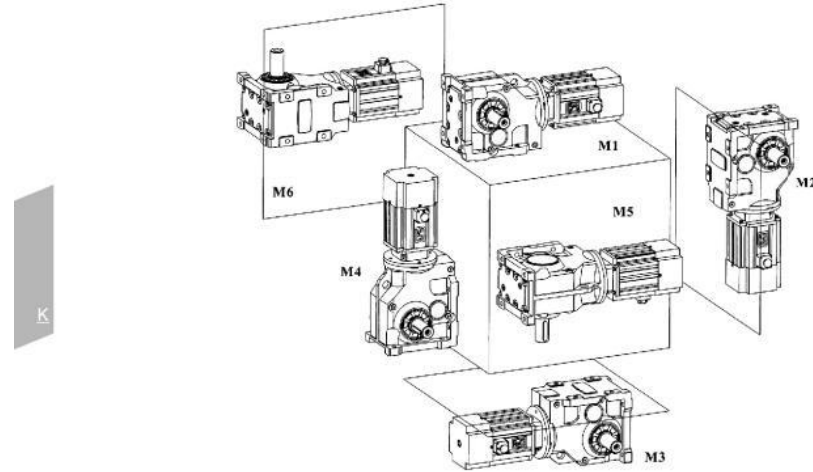
If the position of the output shaft or flange is A+B, it is necessary to stipulate for certain direction of rotation, it was looked on the A or B.

4. 4. 5 油位符号说明 / Oil Level Symbol Explanation

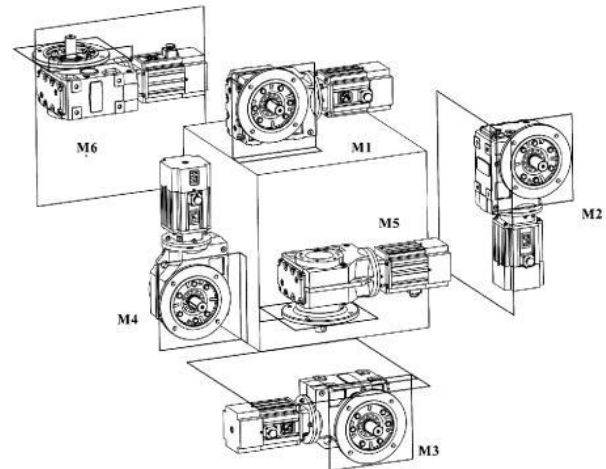
符号 Symbol	含义	Meaning
	通气帽	BREATHER VALVE
	油标	OIL LEVEL PLUG
	排油塞	OIL DRAIN PLUG

4.4.6 安装位置示意 / Mounting Position Designation

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



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





4.4.7 安装方位 / Mounting Positions

*→提示:

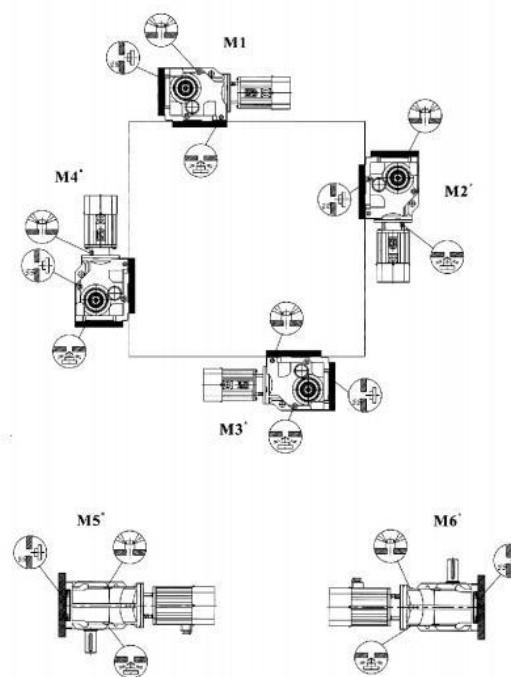
当采用下表列出的安装方式及输入转速时, 齿轮箱会产生不可忽视的搅油损失。请联系本公司。

*→Reminder:

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

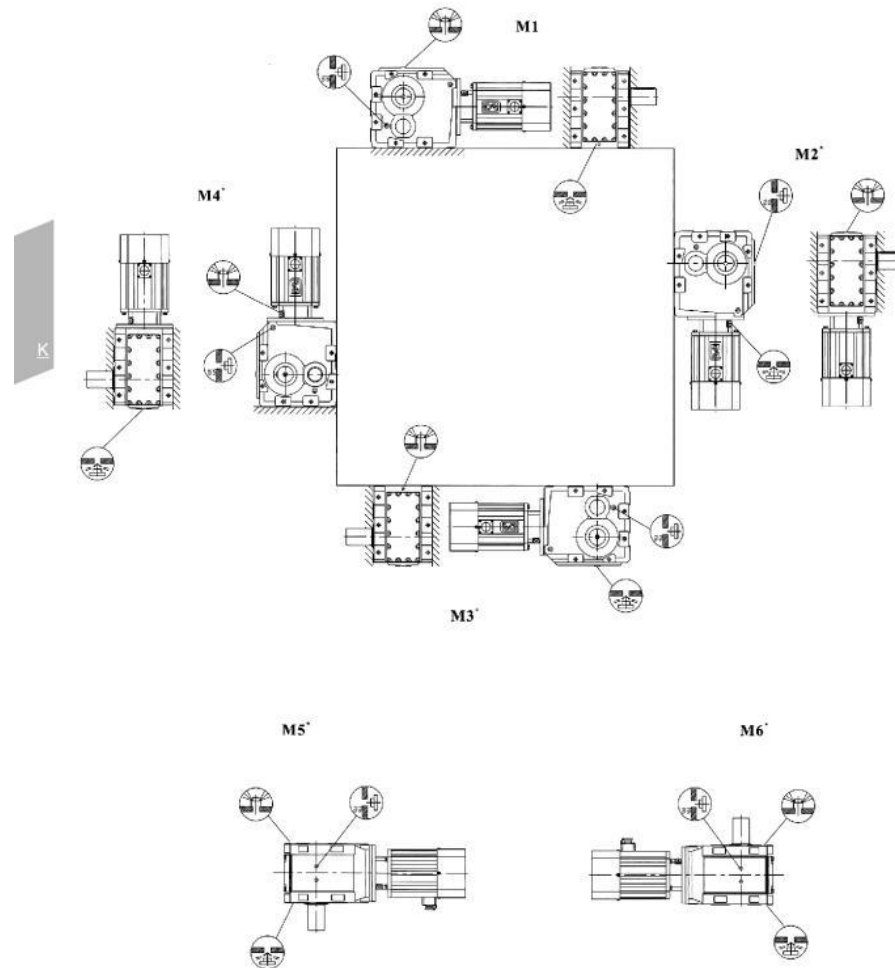
安装方式 Mounting Position	齿轮箱规格 Gear Unit Size	输入转速 Input Speed (r/min)
M2, M3, M4, M5, M6	77,87,97,107	>2500
	>107	>1500

K/KA..B / KH47B~157B, KV37B~107B



*→page 155

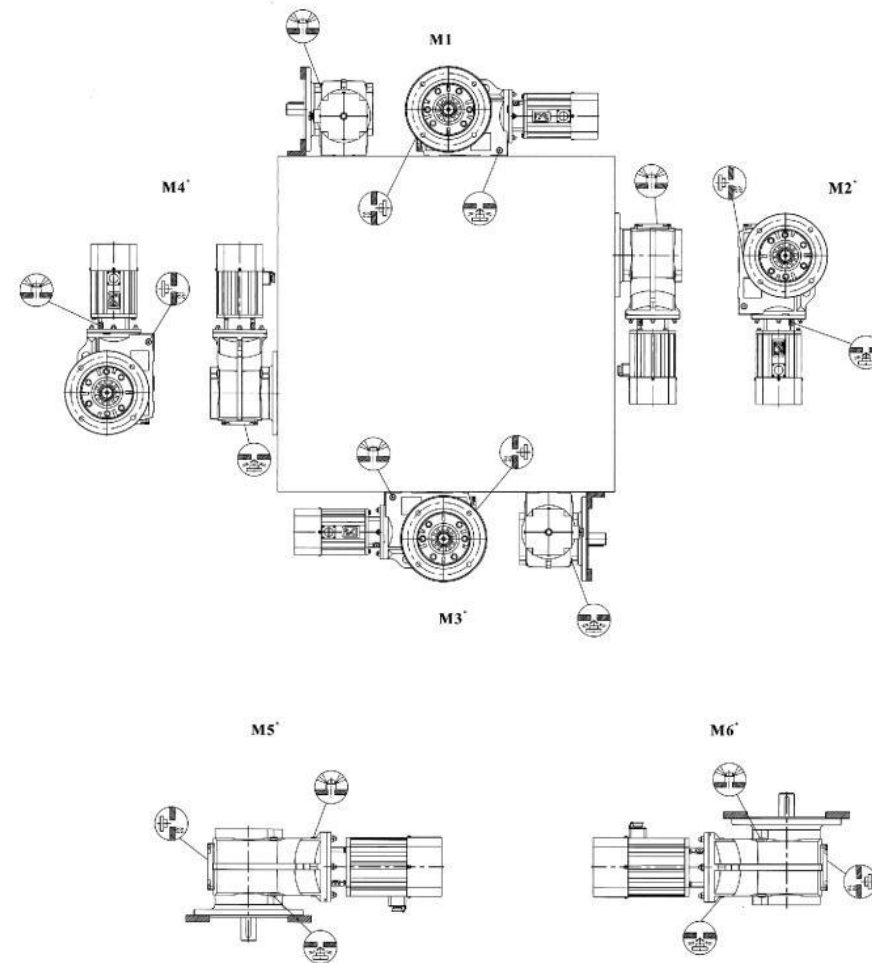
K



* → page 155

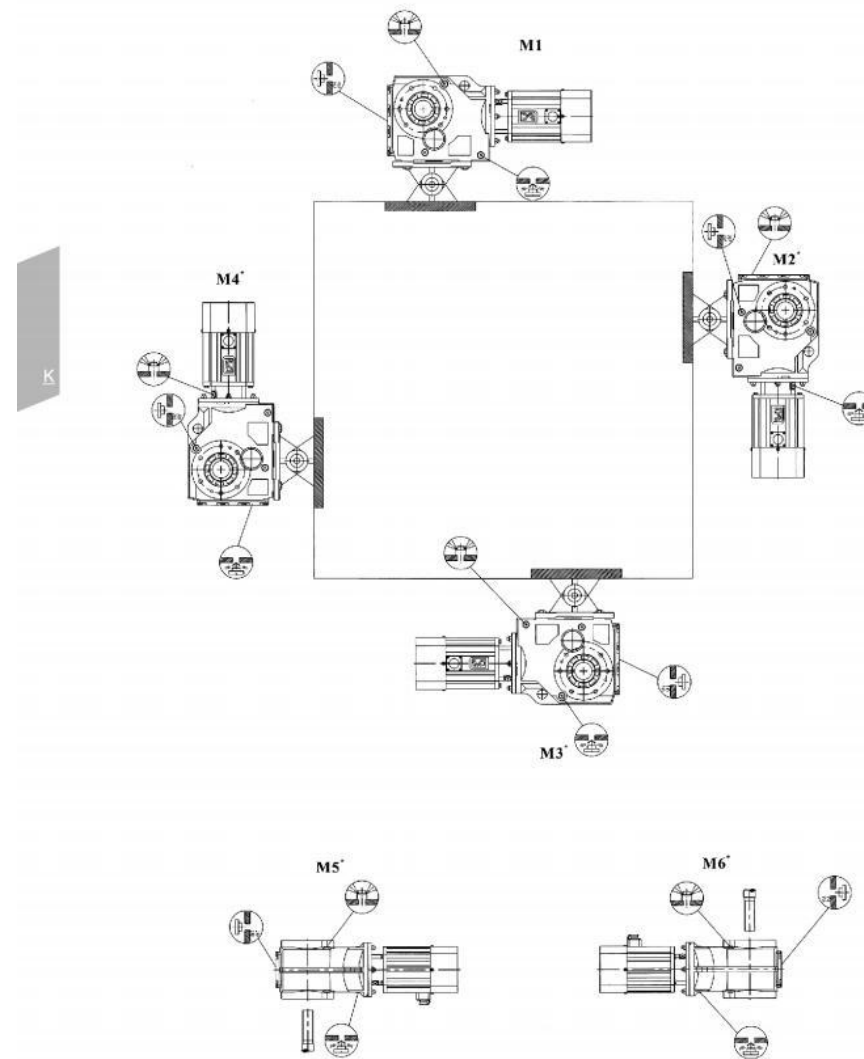


KFF/KFAF/KFHF/KFAZ/KFHZ37~157, KFVF/KFVZ37~107



* → page 155

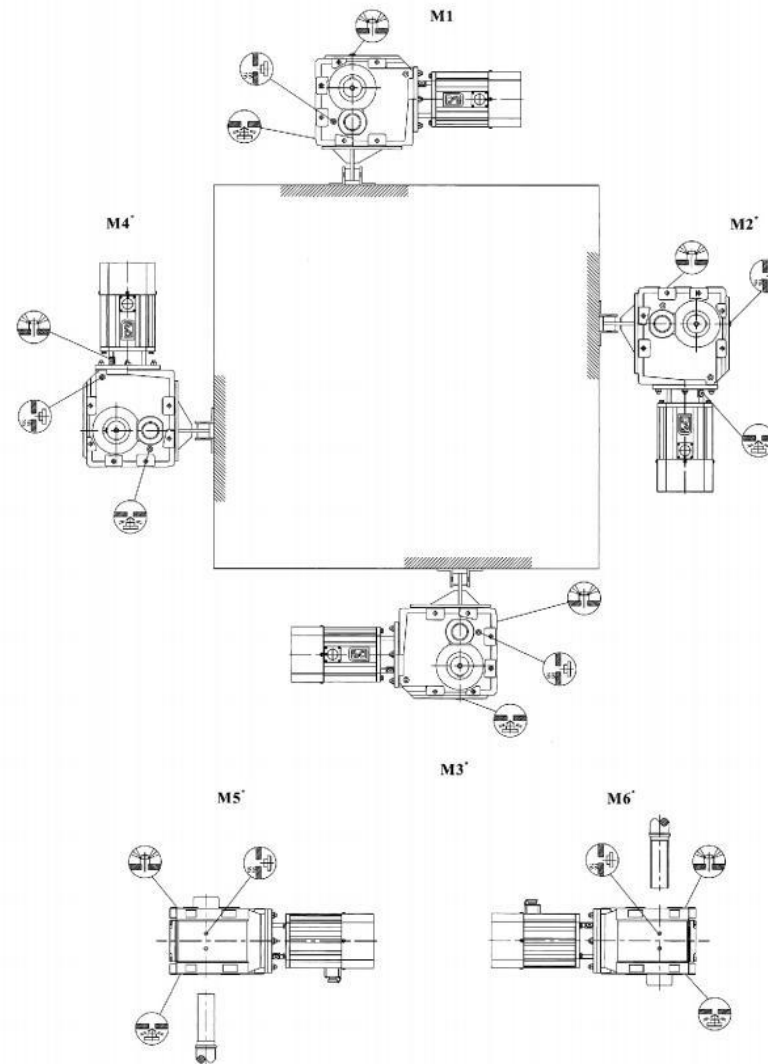
KFA/KFH37~157,KFV37~107,KFT37~97



* → page 155



KH167~187



*→page 155

4.5 减速器组合表 / Gear Unit Combination Table

为得到特别低的输出转速，可以通过RF齿轮箱与 K 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出减速机的输出扭矩。

RF series of gear units and K 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 gear-box, instead of the output torque calculated based on rated power of the motor and the transmission ratio of the gear unit.

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

	RF17	RF27	RF37	RF47	RF57	RF67	RF77	RF87	RF97	RF107
K..37										
K..47										
K..57										
K..67										
K..77										
K..87										
K..97										
K..107										
K..127										
K..157										
K..167										
K..187										

说明：

■：表示可能的组合。
□：表示不允许的组合。

Notes:

■：Possible Combination.
□：Impossible Combination.



4. 6 K..功率配置 / K..Power Configuration

K37 $n_1=1400$ 1/min 200Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20		
13.0	200	5640	106.38						
14.0	200	5640	97.81						
17.0	200	5640	83.69						
19.0	200	5520	72.54						
21.0	200	5360	67.80						
24.0	200	5020	58.60						
28.0	200	4660	49.79						
31.0	200	4420	44.46						
37.0	200	4100	37.97						
39.0	200	3970	35.57						
47.0	200	3650	29.96						
49.0	200	3580	28.83						
56.0	200	3330	24.99						
60.0	195	3260	23.36						
69.0	185	3110	20.19						
82.0	180	2900	17.15						
91.0	175	2780	15.31						
107	165	2650	13.08						
115	160	2600	12.14						
133	160	2410	10.49						
157	160	2200	8.91						
176	155	2110	7.96						
206	150	1980	6.80						
220	145	1950	6.37						
261	140	1810	5.36						
352	125	1660	3.98						
K47 $n_1=1400$ 1/min 400Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.30		
45.0	400	5700	31.30						
48.0	400	5520	29.32						
54.0	400	5170	25.91						
58.0	400	4970	24.06						
64.0	400	4710	21.81						
72.0	400	4440	19.58						
83.0	380	4220	16.86						
88.0	380	4080	15.86						
103	360	3890	13.65						
115	350	3720	12.19						
119	280	4060	11.77						
133	280	3830	10.56						
154	280	3540	9.10						
164	270	3500	8.56						
190	250	3380	7.36						
213	240	3270	6.58						
241	230	3140	5.81						
302	205	2980	4.64						
K57 $n_1=1400$ 1/min 600Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.30	4.00	
9.60	600	7630	145.14						
11.0	600	7630	123.85						
13.0	600	7630	108.29						
14.0	600	7630	102.88						
16.0	600	7630	90.26						
18.0	600	7630	76.56						
20.0	600	7630	69.12						
23.0	600	7630	60.81						
24.0	600	7630	57.42						
29.0	600	7630	48.89						
32.0	600	7630	44.43						
36.0	600	7630	38.49						
39.0	600	7630	35.70						
46.0	600	7300	30.28						
51.0	600	6930	27.34						
58.0	600	6480	24.05						
62.0	600	6280	22.71						
72.0	575	5910	19.34						
80.0	555	5740	17.57						
92.0	535	5430	15.22						
106	510	5190	13.25						
K47 $n_1=1400$ 1/min 400Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00		
11.0	400	5920	131.87						
12.0	400	5920	121.48						
13.0	400	5920	104.37						
15.0	400	5920	90.86						
16.0	400	5920	85.12						
19.0	400	5920	75.20						
20.0	400	5920	69.84						
22.0	400	5920	63.30						
25.0	400	5920	56.83						
29.0	400	5920	48.95						
30.0	400	5920	46.03						
35.0	400	5920	39.61						
40.0	400	5920	35.39						

K

K57 $n_1=1400$ 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 3.30	4.00	
117	415	5150	11.92						
124	415	4990	11.26						
146	405	4650	9.59						
161	390	4520	8.71						
185	365	4360	7.55						
213	345	4180	6.57						
299	300	3800	4.69						
K67 $n_1=1400$ 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 3.30	4.00	5.50
9.70	820	10300	144.79						
11.0	820	10300	123.54						
13.0	820	10300	108.03						
14.0	820	10300	102.62						
16.0	820	10300	90.04						
18.0	820	10300	76.37						
20.0	820	10300	68.95						
23.0	820	10300	60.66						
24.0	820	10300	57.28						
29.0	820	10300	48.77						
32.0	820	10300	44.32						
36.0	820	10500	38.39						
39.0	820	10300	35.62						
46.0	820	10300	30.22						
51.0	820	10300	27.28						
58.0	800	10500	24.00						
62.0	780	10700	22.66						
73.0	760	10800	19.30						
80.0	740	11000	17.54						
92.0	700	11300	15.19						
106	670	11500	13.22						
112	530	12300	12.48						
132	500	11800	10.63						
145	480	11500	9.66						
167	440	11100	8.37						
192	420	10700	7.28						
269	350	9860	5.20						
K77 $n_1=1400$ 1/min 1550Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	0.37 0.55	0.75 1.10	1.50	2.20 3.30	4.00	5.50 7.50
7.30	1450	16100	192.18						
7.80	1450	16100	179.37						
9.10	1550	15400	154.02						
10.0	1550	15400	135.28						
11.0	1550	15400	128.52						
12.0	1550	15400	113.56						
14.0	1550	15400	97.05						
16.0	1550	15400	88.97						
18.0	1550	15400	78.07						
19.0	1550	15400	73.99						
22.0	1550	15400	64.75						
24.0	1550	15400	58.43						
27.0	1550	15400	51.18						
31.0	1550	15400	45.16						

K77 $n_1=1400$ 1/min 1550Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	0.37 0.55	0.75 1.10	1.50	2.20 3.30	4.00	5.50 7.50
10.0	1550	15400	135.28						
11.0	1550	15400	128.52						
12.0	1550	15400	113.56						
14.0	1550	15400	97.05						
16.0	1550	15400	88.97						
18.0	1550	15400	78.07						
19.0	1550	15400	73.99						
22.0	1550	15400	64.75						
24.0	1550	15400	58.34						
27.0	1550	15400	51.18						
31.0	1550	15400	45.16						
35.0	1550	15400	40.04						
36.0	1550	15700	38.39						
40.0	1550	15400	35.20						
45.0	1550	15400	30.89						
48.0	1550	15400	29.27						
55.0	1550	15400	25.62						
61.0	1550	15400	23.08						
69.0	1500	15700	20.25						
78.0	1450	16100	17.87						
88.0	1400	15500	15.84						
104	1340	14800	13.52						
113	1000	15100	12.36						
129	990	14400	10.84						
146	940	13900	9.56						
165	890	13500	8.48						
193	820	13100	7.24						
K77 $n_1=1400$ 1/min 1550Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	11.0					
7.30	1450	16100	192.18						
7.80	1450	16100	179.37						
9.10	1550	15400	154.02						
10.0	1550	15400	135.28						
11.0	1550	15400	128.52						
12.0	1550	15400	113.56						
14.0	1550	15400	97.05						
16.0	1550	15400	88.97						
18.0	1550	15400	78.07						
19.0	1550	15400	73.99						
22.0	1550	15400	64.75						
24.0	1550	15400	58.43						
27.0	1550	15400	51.18						
31.0	1550	15400	45.16						

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K77 $n_1=1400$ 1/min 1550Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	11.0					
35.0	1550	15400	40.04						
36.0	1550	15700	38.39						
40.0	1550	15400	35.20						
45.0	1550	15400	30.89						
48.0	1550	15400	29.27						
55.0	1550	15400	25.62						
61.0	1550	15400	23.08						
69.0	1500	15700	20.25						
78.0	1450	16100	17.87						
88.0	1400	15500	15.84						
104	1340	14800	13.52						
113	1000	15100	12.36						
129	990	14400	10.84						
146	940	13900	9.56						
165	890	13500	8.48						
193	820	13100	7.24						
K87 $n_1=1400$ 1/min 2700Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	7.5 11.0	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0
7.10	2700	27300	197.37						
8.00	2700	27300	174.19						
8.50	2700	27300	164.34						
9.50	2700	27300	147.32						
11.0	2700	27300	126.91						
12.0	2700	27300	115.82						
14.0	2700	27300	102.71						
16.0	2700	27300	86.34						
18.0	2700	27300	79.34						
20.0	2700	27300	70.46						
22.0	2700	26200	63.00						
25.0	2700	25000	56.64						
28.0	2700	23500	49.16						
32.0	2600	22800	44.02						
38.0	2500	21400	36.52						
45.0	2700	19200	31.39						
50.0	2600	18500	27.88						
56.0	2500	18000	24.92						
62.0	2300	17900	22.41						
72.0	2300	16800	19.45						
80.0	2200	16300	17.42						
88.0	1800	16000	16.00						
97.0	2100	15300	14.45						
111	2000	14800	12.56						
125	1500	14900	11.17						
140	1500	14200	10.00						
169	1400	13500	8.29						
194	1300	13200	7.21						
K97 $n_1=1400$ 1/min 4300Nm									
n_1 [1/min]	M_{max} [Nm]	F_r [N]	i	1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0
8.00	4300	40000	176.05						
9.10	4300	40000	153.21						
10.0	4300	40000	140.28						
11.0	4300	40000	123.93						
13.0	4300	40000	105.13						
14.0	4300	40000	96.80						

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K97 $n_1=1400$ 1/min 4300Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0
16.0	4300	38800	86.52						
18.0	4300	37100	77.89						
20.0	4300	35600	70.54						
22.0	4300	33800	62.55						
25.0	4300	32300	56.55						
29.0	4300	30000	47.93						
33.0	4300	28300	41.87						
37.0	4300	27100	38.30						
41.0	4300	25700	34.23						
45.0	4300	24500	30.82						
50.0	4300	23300	27.91						
57.0	4300	22000	24.75						
63.0	4300	20900	22.37						
74.0	4300	19100	18.96						
85.0	4300	17800	16.56						
101	4300	16100	13.85						
117	3890	16200	11.99						
134	2870	16400	10.41						
161	2660	15800	8.71						
186	2400	15700	7.54						
K97 $n_1=1400$ 1/min 4300Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	18.5 22.0	30.0				
8.00	4300	40000	176.05						
9.10	4300	40000	153.21						
10.0	4300	40000	140.28						
11.0	4300	40000	123.93						
13.0	4300	40000	105.13						
14.0	4300	40000	96.80						
16.0	4300	38800	86.52						
18.0	4300	37100	77.89						
20.0	4300	35600	70.54						
22.0	4300	33800	62.55						
25.0	4300	32300	56.55						
29.0	4300	30000	47.93						
33.0	4300	28300	41.87						
37.0	4300	27100	38.30						
41.0	4300	25700	34.23						
45.0	4300	24500	30.82						
50.0	4300	23300	27.91						
57.0	4300	22000	24.75						
63.0	4300	20900	22.37						
74.0	4300	19100	18.96						
85.0	4300	17800	16.56						

K97 $n_1=1400$ 1/min 4300Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	18.5 22.0	30.0				
101	4300	16100	13.85						
117	3890	16200	11.99						
134	2870	16400	10.41						
161	2660	15800	8.71						
186	2400	15700	7.54						
K107 $n_1=1400$ 1/min 8000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	3.00	4.00	5.50 7.50	11.0 15.0	18.5 22.0	30.0 ~45.0
9.80	8000	65000	143.47						
12.0	8000	61500	121.46						
12.0	8000	59300	112.41						
14.0	8000	56200	100.75						
15.0	8000	53500	90.96						
17.0	8000	50900	82.61						
19.0	8000	47900	73.30						
21.0	8000	45400	66.52						
24.0	8000	41700	57.17						
28.0	7840	39300	49.90						
33.0	7360	37900	42.33						
38.0	7200	35800	37.00						
43.0	7200	33200	32.69						
45.0	6800	34200	31.28						
48.0	7200	30700	29.00						
53.0	7200	28800	26.32						
62.0	7200	25800	22.62						
71.0	7200	23200	19.74						
84.0	7050	21000	16.75						
96.0	6890	19500	14.64						
104	4300	29200	13.43						
119	4300	27500	11.73						
141	4190	25800	9.94						
161	4070	24600	8.69						
190	3600	24400	7.35						
K127 $n_1=1400$ 1/min 13000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	7.50	11.0 15.0	18.5 22.0	30.0 ~45.0	55.0 ~90.0	
9.60	13000	79200	146.07						
10.0	13000	79200	136.14						
11.0	13000	79200	122.48						
13.0	13000	79200	110.18						
16.0	13000	75100	89.89						
17.0	13000	72100	81.98						
20.0	13000	67700	70.95						

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K127 $n_1=1400$ 1/min 13000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	7.50	11.0	18.5	30.0	55.0	
22.0	13000	64000	62.60						
26.0	13000	59800	54.07						
29.0	13000	56500	47.82						
35.0	13000	52000	40.19						
39.0	13000	49400	36.25						
45.0	13000	45900	31.37						
51.0	13000	43000	27.68						
59.0	13000	39800	23.91						
66.0	13000	37200	21.15						
79.0	13000	32600	17.77						
98.0	12100	31000	14.35						
109	8530	35400	12.79						
130	8000	33900	10.74						
161	7230	32500	8.68						
K157 $n_1=1400$ 1/min 18000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	11.0	18.5	30.0	55.0	110	160
9.30	18000	112200	150.41						
11.0	18000	106500	122.39						
14.0	18000	98000	100.22						
15.0	18000	94400	91.65						
18.0	18000	88900	79.75						
20.0	18000	84200	70.38						
23.0	18000	79000	61.02						
26.0	18000	74900	54.29						
30.0	18000	70000	46.79						
37.0	18000	63400	38.02						
45.0	18000	57500	31.30						
51.0	18000	54000	27.62						
58.0	18000	50000	23.95						
66.0	18000	47000	21.31						
76.0	18000	43200	18.37						
94.0	18000	38200	14.92						
111	17000	36700	12.65						
K167 $n_1=1400$ 1/min 32000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	11.0	18.5	30.0	55.0	110	160
8.50	32000	150000	164.50						
10.0	32000	150000	134.99						
13.0	32000	150000	109.83						
16.0	32000	147200	87.86						
18.0	32000	140100	78.14						
21.0	32000	132000	68.07						

K167 $n_1=1400$ 1/min 32000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	11.0	18.5	30.0	55.0	110	160
23.0	32000	125600	60.74						
27.0	32000	117000	51.77						
33.0	32000	107400	42.89						
38.0	32000	99700	36.61						
43.0	32000	93700	32.25						
49.0	32000	88600	28.77						
57.0	32000	81700	24.52						
69.0	32000	74000	20.32						
81.0	32000	67900	17.34						
K187 $n_1=1400$ 1/min 50000Nm									
n_2 [1/min]	M_{max} [Nm]	Fr [N]	i	18.5	30.0	55.0	110	160	
7.80	50000	190000	179.86						
8.50	50000	190000	165.21						
9.70	50000	190000	144.59						
11.0	50000	188200	129.69						
12.0	50000	177200	112.60						
14.0	50000	169900	102.16						
16.0	50000	159000	88.00						
19.0	50000	147000	73.96						
22.0	50000	137600	64.04						
26.0	50000	126100	53.36						
31.0	50000	116600	45.50						
33.0	50000	112700	42.51						
36.0	50000	107200	38.57						
42.0	50000	99100	33.23						
50.0	50000	90200	27.92						
58.0	47600	86800	24.18						
69.0	43900	84000	20.15						
81.0	41400	80800	17.18						

K

4. 7 K..性能参数 / K..Performance Parameters

n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =0.12kw						
0.08	10800	17550	80300	1.20	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..63M ₁ -4 AM63 AD2
0.09	9890	16006	80700	1.30		
0.09	9260	14975	81000	1.40		
0.11	7690	12440	81600	1.70		
0.13	6750	10915	81900	1.95		
0.14	6070	9819	82000	2.10		
0.16	5180	8443	82300	2.50	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..63M ₁ -4 AM63 AD2
0.18	4620	7482	82400	2.80		
0.10	8850	14311	65000	0.90		
0.11	7550	12211	65000	1.05		
0.13	6600	10677	65000	1.20		
0.14	5890	9524	65000	1.35		
0.17	5150	8328	65000	1.55	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..63M ₁ -4 AM63 AD2
0.19	4490	7270	65000	1.80		
0.22	3700	6184	65000	2.20		
0.24	3210	5662	65000	2.50		
0.27	2910	5138	65000	2.70		
0.32	2670	4359	65000	3.00		
0.17	5460	8054	39400	0.80	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..63M ₁ -4 AM63 AD2
0.20	4420	6970	40000	0.95		
0.23	4000	6027	40000	1.05		
0.26	3650	5391	40000	1.20		
0.30	3020	4669	40000	1.40		
0.34	2730	4082	40000	1.55		
0.39	2370	3583	40000	1.80		
0.44	2090	3108	40000	2.00		
0.50	1770	2757	40000	2.40		
0.57	1650	2419	40000	2.60		
0.65	1420	2123	40000	3.00		
0.74	1270	1856	40000	3.40		
0.85	1040	1625	40000	4.10		
0.96	890	1430	40000	4.80		
1.10	860	1261	40000	5.00	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..63M ₁ -4 AM63 AD2
1.20	755	1102	40000	5.70		
0.26	3470	5240	26200	0.80	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..63M ₁ -4 AM63 AD2
0.30	2890	4562	27000	0.95		
0.34	2680	4037	27300	1.00		
0.38	2390	3609	27600	1.15		
0.44	2060	3107	28000	1.30		
0.51	1730	2728	28300	1.55		
0.58	1530	2371	28400	1.75		
0.66	1430	2088	28500	1.90		
0.74	1270	1854	28600	2.10		
0.83	1130	1657	28700	2.40		
0.97	960	1415	28800	2.80		
1.10	830	1229	28900	3.20		
1.30	720	1078	28900	3.70		
1.40	610	951	29000	4.40		
1.60	520	837	29000	5.20		
1.90	450	726	29000	5.90		
P ₁ =0.12kw						
0.51	1840	2717	11500	0.85	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..63M ₁ -4 AM63 AD2
0.58	1530	2370	15500	1.00		
0.67	1430	2050	16100	1.10		
0.78	1220	1772	17300	1.25		
0.91	1040	1514	18100	1.50		
0.99	960	1388	18500	1.60		
1.10	840	1218	18900	1.85		
1.30	735	1053	19200	2.10		
1.50	645	924	19400	2.40	K 67 RF37 KF 67 RF37 KA 67 RF37 KAF 67 RF37	Y..63M ₁ -4 AM63 AD2
1.70	570	815	19600	2.70		
2.00	445	709	19800	3.50		
2.20	390	622	19900	3.90		
1.00	960	1351	6940	0.85		
1.20	820	1171	10300	1.00		
1.30	720	1034	11100	1.15		
1.50	600	903	11900	1.35		
1.70	570	793	12100	1.45	K 67 RF37 KF 67 RF37 KA 67 RF37 KAF 67 RF37	Y..63M ₁ -4 AM63 AD2
2.00	455	697	12600	1.80		
2.20	400	613	12800	2.00		
2.60	350	542	13000	2.30		
2.90	325	471	13000	2.50		
3.30	270	420	13000	3.00		
3.80	245	361	13000	3.30		
4.30	215	323	13000	3.80		
5.00	181	279	13000	4.50	K 57 RF37 KF 57 RF37 KA 57 RF37 KAF 57 RF37	Y..63M ₁ -4 AM63 AD2
5.60	159	246	13000	5.20		
6.40	139	217	13000	5.90		
1.50	605	906	7580	1.00		
1.70	545	806	8060	1.10		
2.00	455	699	8620	1.30		
2.20	400	615	8870	1.50		
2.50	350	544	9080	1.70		
2.90	320	473	9190	1.85	K 57 RF37 KF 57 RF37 KA 57 RF37 KAF 57 RF37	Y..63M ₁ -4 AM63 AD2
3.30	270	421	9390	2.20		
3.80	245	362	9470	2.40		
4.30	215	319	9570	2.80		
4.90	181	280	9690	3.30		
5.60	160	246	9760	3.80		
6.40	141	215	9810	4.30		
7.20	126	192	9850	4.80		
2.50	380	552	6170	1.05	K 47 RF37 KF 47 RF37 KA 47 RF37 KAF 47 RF37	Y..63M ₁ -4 AM63 AD2
2.80	320	495	6840	1.25		
3.20	285	426	7160	1.40		
3.70	240	375	7510	1.65		
4.20	225	327	7620	1.75		
4.80	198	289	7780	2.00		
4.00	240	346	3540	0.80		
4.50	205	304	5570	0.95		
5.20	189	267	5760	1.05	K 37 RF17 KF 37 RF17 KA 37 RF17 KAF 37 RF17	Y..63M ₁ -4 AM63 AD2
5.90	163	234	6010	1.20		
6.70	142	205	6180	1.40		
7.60	124	181	6300	1.60		
8.60	109	160	6400	1.85		

K SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =0.12kw						
10.0	91	136	6490	2.20	K 37 RF17 KF 37 RF17 KA 37 RF17 KAF 37 RF17	Y..63M _i -4 AM63 -
9.50	120	145.14	9870	5.00	K 57 KF 57 KA 57 KAF 57	Y..63M _i -4 AM63 AD2
11.0	103	123.85	9920	5.80		
13.0	90	108.29	9950	6.70		
13.0	85	102.88	9960	7.00		
15.0	75	90.26	9990	8.00		
10.0	110	131.87	8140	3.60	K 47 KF 47 KA 47 KAF 47	Y..63M _i -4 AM63 AD2
11.0	101	121.48	8170	4.00		
13.0	88	106.38	6500	2.30		
14.0	81	97.81	6530	2.50		
16.0	70	83.69	6570	2.90	K 37 KF 37 KA 37 KAF 37	Y..63M _i -4 AM63 AD1
19.0	60	72.54	6600	3.30		
20.0	56	67.8	6610	3.60		
24.0	49	58.6	6430	4.10		
28.0	41	49.79	6130	4.80		
31.0	37	44.46	5930	5.40		
36.0	32	37.97	5660	6.40		
39.0	30	35.57	5550	6.80		
46.0	25	29.96	5270	8.00		
48.0	24	28.83	5200	8.40		
55.0	21	24.99	4980	9.60	K 37 KF 37 KA 37 KAF 37	Y..63M _i -4 AM63 AD2
59.0	19	23.36	4880	10.0		
68.0	17	20.19	4660	11.0		
80.0	14	17.15	4430	13.0		
90.0	13	15.31	4280	14.0		
105	11	13.08	4070	15.0		
114	10	12.14	3970	16.0		
P _i =0.18kw						
0.09	15700	14975	74400	0.80	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..63M _i -4 AM63 AD2
0.11	13100	12440	79100	1.00		
0.12	11500	10915	80000	1.15		
0.13	10300	9819	80500	1.25		
0.16	8870	8443	81100	1.45		
0.18	7880	7482	81500	1.65		
0.20	6910	6565	81800	1.90		
0.23	5880	5804	82100	2.20		
0.26	5210	5027	82300	2.50		
0.30	4480	4423	82400	2.90		
0.34	3900	3889	82500	3.30		
0.40	3240	3311	82600	4.00		
0.16	8770	8328	65000	0.90	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..63M _i -4 AM63 AD2
0.18	7660	7270	65000	1.05		
0.21	6410	6184	65000	1.25		
0.23	5690	5662	65000	1.40		
0.26	5160	5138	65000	1.55		
0.30	4580	4359	65000	1.75		
P _i =0.18kw						
0.35	4000	3810	65000	2.00	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..63M _i -4 AM63 AD2
0.39	3400	3358	65000	2.40		
0.44	3080	2977	65000	2.60		
0.51	2690	2599	65000	3.00		
0.58	2310	2286	65000	3.40		
0.28	5050	4669	39800	0.85	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..63M _i -4 AM63 AD2
0.32	4530	4082	40000	0.95		
0.37	3940	3583	40000	1.10		
0.42	3450	3108	40000	1.25		
0.48	2980	2757	40000	1.45		
0.55	2720	2419	40000	1.60		
0.62	2360	2123	40000	1.80		
0.71	2090	1856	40000	2.10		
0.81	1760	1625	40000	2.40		
0.92	1520	1430	40000	2.80		
1.00	1420	1261	40000	3.00		
1.20	1240	1102	40000	3.50		
1.40	1080	957	40000	4.00		
1.50	970	855	40000	4.40		
1.80	770	743	40000	5.60	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..63M _i -4 AM63 AD3
2.00	690	652	40000	6.20		
P _i =0.18kw						
0.42	3430	3107	26200	0.80	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..63M _i -4 AM63 AD2
0.48	2920	2728	27000	0.90		
0.56	2560	2371	27400	1.05		
0.63	2350	2088	27700	1.15		
0.71	2080	1854	28000	1.30		
0.80	1860	1657	28200	1.45	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..63M _i -4 AM63 AD2
0.93	1590	1415	28400	1.70		
1.10	1380	1229	28600	1.95		
1.20	1200	1078	28700	2.20		
1.40	1030	951	28800	2.60		
1.60	890	837	28800	3.00		
1.80	775	726	28900	3.50		
0.87	1710	1514	14100	0.90	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..63M _i -4 AM63 AD2
0.95	1570	1388	15200	1.00		
1.10	1380	1218	16500	1.10		
1.20	1200	1053	17400	1.30		
1.40	1050	924	18100	1.45	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..63M _i -4 AM63 AD2
1.60	930	815	18600	1.65		
1.90	760	709	19100	2.00		
2.10	665	622	19300	2.30		
2.40	600	552	19500	2.60		
2.70	525	485	19600	2.90		
3.10	465	428	19800	3.30		
3.60	410	367	19800	3.80		
1.70	920	793	9240	0.90	K 67 RF37 KF 67 RF37 KA 67 RF37 KAF 67 RF37	Y..63M _i -4 AM63 AD2
1.90	760	697	10800	1.05		
2.20	670	613	11500	1.20		
2.40	590	542	12000	1.40		
2.80	535	471	12200	1.50		
3.20	455	420	12600	1.80		

K

n [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =0.18kw						
3.60	405	361	12800	2.00	K 67 RF37	Y..63M ₁ -4 AM63 AD2
4.10	360	323	12900	2.30	KF 67 RF37	
4.70	300	279	13000	2.70	KA 67 RF37	
					KAF 67 RF37	
2.40	590	544	7690	1.00	K 57 RF37 KF 57 RF37 KA 57 RF37 KAF 57 RF37	Y..63M ₁ -4 AM63 AD2
2.80	535	473	8150	1.10		
3.10	455	421	8620	1.30		
3.60	405	362	8840	1.45		
4.10	360	319	9050	1.65		
4.70	300	280	9270	1.95		
5.40	265	246	9400	2.20		
6.10	235	215	9510	2.50	K 57 RF37	Y..63M ₁ -4 AM63 AD2
6.90	210	192	9600	2.80	KF 57 RF37	
7.90	182	166	9690	3.30	KA 57 RF37	
					KAF 57 RF37	
3.50	405	375	5600	1.00	K 47 RF37 KF 47 RF37 KA 47 RF37 KAF 47 RF37	Y..63M ₁ -4 AM63 AD2
4.00	365	327	6320	1.10		
4.60	325	289	6800	1.20		
5.20	275	256	7240	1.45		
5.90	250	225	7450	1.60		
6.70	215	198	7680	1.85		
7.70	188	171	7840	2.10		
8.60	168	153	7930	2.40		
10.0	147	131	8020	2.70		
6.40	230	205	4860	0.85	K 37 RF17	Y..63M ₁ -4 AM63 -
7.30	200	181	5590	1.00	KF 37 RF17	
8.20	180	160	5860	1.10	KA 37 RF17	
9.70	151	136	6110	1.35	KAF 37 RF17	
10.0	145	127	6160	1.40		
6.00	285	144.79	13000	2.90	K 67	Y..71M ₁ -6 AM71 AD2
7.00	240	123.54	13000	3.40	KF 67	
8.00	210	108.03	13000	3.80	KA 67	
8.50	200	102.62	13000	4.00	KAF 67	
9.10	188	144.79	13000	4.40	K 67	Y..63M ₁ -4 AM63 AD2
11.0	161	123.54	13000	5.10	KF 67	
12.0	141	108.03	13000	5.80	KA 67	
					KAF 67	
6.00	285	145.14	9340	2.10	K 57	Y..71M ₁ -6 AM71 AD2
7.00	240	123.85	9480	2.40	KF 57	
8.00	210	108.29	9590	2.80	KA 57	
8.50	200	102.88	9620	3.00	KAF 57	
9.60	178	90.26	9700	3.40		
9.10	189	145.14	9670	3.20	K 57	Y..63M ₁ -4 AM63 AD2
11.0	161	123.85	9750	3.70	KF 57	
12.0	141	108.29	9810	4.30	KA 57	
13.0	134	102.88	9830	4.50	KAF 57	
					K 57	Y..63M ₁ -4 AM63 AD2
15.0	118	90.26	9880	5.10	KF 57	
17.0	100	76.56	9920	6.00	KA 57	
					KAF 57	

n _i [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =0.18kw						
6.60	260	131.87	7380	1.55	K 47 KF 47 KA 47 KAF 47	Y..71M ₁ -6 AM71 AD2
7.20	240	121.48	7530	1.65		
8.30	205	104.37	7740	1.95		
9.60	180	90.86	7880	2.20		
10.0	168	85.12	7930	2.40		
10.0	172	131.87	7910	2.30	K 47	Y..63M ₁ -4 AM63 AD2
11.0	158	121.48	7970	2.50	KF 47	
13.0	136	104.37	8060	2.90	KA 47	
					KAF 47	
15.0	118	90.86	8120	3.40	K 47	Y..63M ₁ -4 AM63 AD2
16.0	111	85.12	8140	3.60	KF 47	
					KA 47	
					KAF 47	
8.20	210	106.38	5520	0.95	K 37	Y..71M ₁ -6 AM71 AD1
8.90	193	97.81	5710	1.05	KF 37	
10.0	165	83.69	5990	1.20	KA 37	
12.0	143	72.54	6170	1.40	KAF 37	
12.0	138	106.38	6210	1.45	K 37 KF 37 KA 37 KAF 37	Y..63M ₁ -4 AM63 AD1
14.0	127	97.81	6280	1.55		
16.0	109	83.69	6400	1.85		
18.0	94	72.54	6470	2.10		
19.0	88	67.8	6500	2.30		
23.0	76	58.6	6280	2.60		
27.0	65	49.79	6010	3.10		
30.0	58	44.46	5830	3.40		
35.0	49	37.97	5580	4.00		
37.0	46	35.57	5480	4.30		
44.0	39	29.96	5220	5.10	K 37 KF 37 KA 37 KAF 37	Y..63M ₁ -4 AM63 AD2
46.0	38	28.83	5160	5.30		
53.0	32	24.99	4950	6.20		
57.0	30	23.36	4850	6.40		
65.0	26	20.19	4650	7.00		
77.0	22	17.15	4430	8.10		
86.0	20	15.31	4280	8.80		
101	17	13.08	4080	9.70	K 37 KF 37 KA 37 KAF 37	Y..63M ₁ -4 AM63 AD2
109	16	12.14	3980	10.0		
126	14	10.49	3810	12.0		
148	12	8.91	3620	14.0		
166	10	7.96	3490	15.0		
P ₁ =0.25kw						
0.13	15100	9819	75600	0.85	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..71M ₁ -4 AM71 AD2
0.15	13000	8443	79200	1.00		
0.17	11500	7482	79900	1.10		
0.20	10100	6565	80600	1.30		
0.22	8750	5804	81200	1.50		
0.26	7690	5027	81600	1.70		
0.29	6660	4423	81900	1.95		
0.33	5820	3889	82100	2.20	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..71M ₁ -4 AM71 AD2
0.39	4870	3311	82300	2.70		

K SERIES



n [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.25kw						
0.21	9460	6184	65000	0.85	K 107 RF77	Y..71M;-4 AM71 AD2
0.23	8480	5662	65000	0.95	KF 107 RF77	
0.25	7690	5138	65000	1.05	KA 107 RF77	
0.30	6730	4359	65000	1.20	KAF107 RF77	
0.34	5880	3810	65000	1.35	K 107 RF77	Y..71M;-4 AM71 AD2
0.39	5060	3358	65000	1.60	KF 107 RF77	
0.44	4550	2977	65000	1.75	KA 107 RF77	
					KAF107 RF77	
0.50	3970	2599	65000	2.00	K 107 RF77	Y..71M;-4 AM71 AD2
0.57	3440	2286	65000	2.30	KF 107 RF77	
0.67	2920	1939	65000	2.70	KA 107 RF77	
					KAF107 RF77	
0.76	2670	1713	65000	3.00	K 107 RF77	Y..71M;-4 AM71 AD3
0.84	2430	1554	65000	3.30	KF 107 RF77	
0.97	2080	1336	65000	3.80	KA 107 RF77	
					KAF107 RF77	
0.42	4980	3108	39900	0.85	K 97 RF57	Y..71M;-4 AM71 AD2
0.47	4350	2757	40000	1.00	KF 97 RF57	
0.54	3920	2419	40000	1.10	KA 97 RF57	
0.61	3420	2123	40000	1.25	KAF 97 RF57	
0.70	3010	1856	40000	1.40		
0.80	2570	1625	40000	1.65	K 97 RF57	Y..71M;-4 AM71 AD2
0.91	2240	1430	40000	1.90	KF 97 RF57	
					KA 97 RF57	
					KAF 97 RF57	
1.00	2050	1261	40000	2.10	K 97 RF57	Y..71M;-4 AM71 AD2
1.20	1790	1102	40000	2.40	KF 97 RF57	
1.40	1560	957	40000	2.70	KA 97 RF57	
1.50	1400	855	40000	3.10	KAF 97 RF57	
0.62	3390	2088	26300	0.80		Y..71M;-4 AM71 AD2
0.70	3010	1854	26900	0.90		
0.78	2690	1657	27300	1.00	K 87 RF57	
0.92	2290	1415	27800	1.15	KF 87 RF57	
1.10	1990	1229	28100	1.35	KA 87 RF57	
1.20	1730	1078	28300	1.55	KAF 87 RF57	
1.40	1500	951	28500	1.80		
1.60	1310	837	28600	2.10		
1.80	1130	726	28700	2.40		
2.00	1010	638	28800	2.70	K 87 RF57	
					KF 87 RF57	
					KA 87 RF57	
					KAF 87 RF57	
1.20	1720	1053	14000	0.90		Y..71M;-4 AM71 AD2
1.40	1510	924	15600	1.00		
1.60	1330	815	16700	1.15	K 77 RF37	
1.80	1110	709	17800	1.40	KF 77 RF37	
2.10	970	622	18400	1.60	KA 77 RF37	
2.40	870	552	18700	1.75	KAF 77 RF37	
2.70	765	485	19100	2.00		
3.00	675	428	19300	2.30		
3.50	590	367	19500	2.60		
4.00	525	328	19600	2.90		
4.50	465	290	19700	3.30	K 77 RF37	Y..71M;-4 AM71 AD2
5.20	400	252	19900	3.80	KF 77 RF37	
5.90	350	221	19900	4.40	KA 77 RF37	
6.70	310	195	20000	5.00	KAF 77 RF37	
7.40	270	175	20000	5.60		
2.10	970	613	5680	0.85		Y..71M;-4 AM71 AD2
2.40	860	542	9920	0.95		
2.80	775	471	10700	1.05		
3.10	665	420	11500	1.25	K 67 RF37	
3.60	590	361	11900	1.4	KF 67 RF37	
4.00	520	323	12300	1.55	KA 67 RF37	
4.70	440	279	12600	1.85	KAF 67 RF37	
5.30	390	246	12800	2.10		
6.00	345	217	13000	2.40		
3.10	665	421	4200	0.90		Y..71M;-4 AM71 AD2
3.60	590	362	7690	1.00		
4.10	520	319	8260	1.15		
4.60	440	280	8680	1.35		
5.30	390	246	8920	1.55	K 57 RF37	
6.00	345	215	9110	1.75	KF 57 RF37	
6.80	305	192	9260	1.95	KA 57 RF37	
7.80	265	166	9410	2.30	KAF 57 RF37	
9.00	230	145	9530	2.60		
10.0	210	129	9600	2.80		
12.0	178	111	9700	3.40		
13.0	156	97	9770	3.80		
4.70	510	192.18	19700	2.80	K 77	Y..71M;-6 AM71 AD2
5.00	475	179.37	19700	3.00	KF 77	
5.80	410	154.02	19800	3.80	KA 77	
6.60	360	135.28	19900	4.30	KAF 77	
6.20	385	144.79	12900	2.10	K 67	Y..71M;-6 AM71 AD2
7.20	325	123.54	13000	2.50	KF 67	
8.30	285	108.03	13000	2.80	KA 67	
8.70	270	102.62	13000	3.00	KAF 67	
9.00	265	144.79	13000	3.10	K 67	Y..71M;-4 AM71 AD2
11.0	225	123.54	13000	3.60	KF 67	
12.0	198	108.03	13000	4.10	KA 67	
13.0	188	102.62	13000	4.40	KAF 67	
6.20	385	145.14	8940	1.55		Y..71M;-6 AM71 AD2
7.20	330	123.85	9170	1.80	K 57	
8.30	285	108.29	9330	2.10	KF 57	
8.70	270	102.88	9380	2.20	KA 57	
9.90	240	90.26	9500	2.50	KAF 57	
12.0	200	76.56	9620	2.90		
9.00	265	145.14	9410	2.20		Y..71M;-4 AM71 AD2
10.0	225	123.85	9540	2.60	K 57	
12.0	199	108.29	9640	3.00	KF 57	
13.0	189	102.88	9670	3.20	KA 57	
14.0	166	90.26	9740	3.60	KAF 57	
17.0	141	76.56	9810	4.30		

K

n:	M:	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P ₁ =0.25kw						
6.80	350	131.87	6540	1.15	K 47 KF 47 KA 47 KAF 47	Y..71M;-6 AM71 AD2
7.40	320	121.48	6830	1.25		
8.60	275	104.37	7240	1.45		
9.80	240	90.86	7510	1.65		
11.0	225	85.12	7610	1.75		
9.90	240	131.87	7510	1.65	K 47 KF 47 KA 47 KAF 47	Y..71M;-4 AM71 AD2
11.0	220	121.48	7640	1.80		
12.0	192	104.37	7820	2.10		
14.0	167	90.86	7930	2.40		
15.0	156	85.12	7980	2.60		
11.0	220	83.69	5350	0.90	K 37 KF 37 KA 37 KAF 37	Y..71M;-6 AM71 AD1
12.0	194	72.54	5710	1.05		
13.0	181	67.8	5840	1.10		
15.0	156	58.6	6070	1.30		
18.0	133	49.79	6250	1.50		
12.0	195	106.38	5690	1.00	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD1
13.0	180	97.81	5860	1.10		
16.0	154	83.69	6090	1.30		
18.0	133	72.54	6240	1.50		
19.0	124	67.8	6220	1.60		
22.0	108	58.6	6030	1.85	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD2
26.0	91	49.79	5810	2.20		
29.0	82	44.46	5650	2.40		
34.0	70	37.97	5430	2.90		
37.0	65	35.57	5340	3.10		
43.0	55	29.96	5100	3.60	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD2
45.0	53	28.83	5050	3.80		
52.0	46	24.99	4860	4.40		
56.0	43	23.36	4770	4.60		
64.0	37	20.19	4580	5.00		
76.0	32	17.15	4370	5.70	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD2
85.0	28	15.31	4220	6.20		
99.0	24	13.08	4030	6.90		
107	22	12.14	3940	7.20		
124	19	10.49	3780	8.30		
146	16	8.91	3590	9.80	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD2
163	15	7.96	3470	11.0		
191	12	6.8	3300	12.0		
204	12	6.37	3240	12.0		
P ₁ =0.37kw						
0.18	16500	7482	72700	0.80	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..71M;-4 AM71 AD2
0.21	14500	6565	76900	0.90		
0.24	12600	5804	79400	1.05		
0.27	11000	5027	80200	1.20		
0.31	9610	4423	80800	1.35		
0.35	8410	3889	81300	1.55	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..71M;-4 AM71 AD2
0.42	7080	3311	81800	1.85		

n: [1/min]	M: [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.37kw						
0.72	4280	1926	82400	3.00	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..71M;-4 AM71 AD3
0.79	3900	1757	82500	3.30		
0.90	3390	1541	82600	3.80		
0.36	8420	3810	65000	0.95		
0.41	7290	3358	65000	1.10		
0.46	6530	2977	65000	1.20	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..71M;-4 AM71 AD2
0.53	5700	2599	65000	1.40		
0.60	4960	2286	65000	1.60		
0.71	4210	1939	65000	1.90		
0.81	3830	1713	65000	2.10		
0.89	3470	1554	65000	2.30	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..71M;-4 AM71 AD3
1.00	2990	1336	65000	2.70		
1.20	2600	1166	65000	3.10		
0.65	4850	2123	40000	0.90		
0.74	4270	1856	40000	1.00		
0.85	3670	1625	40000	1.15	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..71M;-4 AM71 AD2
0.96	3200	1430	40000	1.35		
1.10	2900	1261	40000	1.50		
1.20	2530	1102	40000	1.70		
1.40	2220	957	40000	1.95		
1.60	1980	855	40000	2.20	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..71M;-4 AM71 AD3
2.40	1310	573	40000	3.30		
1.90	1640	743	40000	2.60		
2.10	1450	652	40000	3.00		
1.90	1640	743	40000	2.60		
2.10	1450	652	40000	3.00	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..71M;-4 AM71 AD3
0.97	3250	1415	26500	0.85		
1.10	2820	1229	27100	0.95		
1.30	2460	1078	27600	1.10		
1.40	2140	951	27900	1.25		
1.60	1870	837	28200	1.45	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..71M;-4 AM71 AD2
1.90	1620	726	28400	1.65		
2.20	1440	638	28500	1.85		
2.50	1250	562	28600	2.20		
2.90	1050	474	28800	2.60		
3.20	950	426	28800	2.80	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..71M;-4 AM71 AD3
3.70	830	373	28900	3.20		
1.70	1880	815	7450	0.80		
2.00	1590	709	15100	0.95		
2.20	1390	622	16400	1.10		
2.50	1250	552	17200	1.25	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..71M;-4 AM71 AD2
2.80	1090	485	17900	1.40		
3.20	960	428	18400	1.60		
3.80	840	367	18900	1.85		
4.20	745	328	19100	2.10		
4.80	665	290	19400	2.30	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..71M;-4 AM71 AD2
5.50	570	252	19600	2.70		

K SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =0.37kw						
6.20	500	221	19700	3.10	K 77 RF37	Y..71M;-4 AM71 AD2
7.10	440	195	19800	3.50	KF 77 RF37	
7.90	390	175	19900	4.00	KA 77 RF37	
9.00	345	154	19900	4.50	KAF 77 RF37	
3.30	940	420	8130	0.85	K 67 RF37 KF 67 RF37 KA 67 RF37 KAF 67 RF37	Y..71M;-4 AM71 AD2
3.80	830	361	10200	1.00		
4.30	740	323	10900	1.10		
5.00	630	279	11700	1.30		
5.60	555	246	12100	1.50		
7.20	430	191	12700	1.90		
8.30	370	166	12900	2.20		
9.60	325	144	13000	2.50		
11.0	275	122	13000	2.90		
4.90	630	280	7350	0.95	K 57 RF37 KF 57 RF37 KA 57 RF37 KAF 57 RF37	Y..71M;-4 AM71 AD2
5.60	555	246	7980	1.10		
6.40	490	215	8460	1.20		
7.20	435	192	8720	1.40		
8.30	375	166	8980	1.60		
11.0	295	129	9290	2.00		
12.0	250	111	9460	2.40		
14.0	220	97	9560	2.70		
4.60	770	197.37	28900	3.50	K 87	Y..80M;-6 AM80 AD2
5.20	680	174.19	28900	4.00	KF 87	
					KA 87	
					KAF 87	
5.90	600	154.02	19500	2.60	K 77	Y..80M;-6 AM80 AD2
6.70	525	135.28	19600	2.90	KF 77	
7.00	500	128.52	19700	3.10	KA 77	
8.00	440	113.56	19800	3.50	KAF 77	
7.20	490	192.18	19700	3.00	K 77	Y..71M;-4 AM71 AD2
7.70	455	179.37	19800	3.20	KF 77	
9.00	390	154.02	19900	3.90	KA 77	
					KAF 77	
7.30	480	123.54	12500	1.70	K 67	Y..80M;-6 AM80 AD2
8.40	420	108.03	12700	1.95	KF 67	
8.80	400	102.62	12800	2.00	KA 67	
10.0	350	90.04	13000	2.30	KAF 67	
9.50	370	144.79	12900	2.20	K 67	Y..71M;-4 AM71 AD2
11.0	315	123.54	13000	2.60	KF 67	
13.0	275	108.03	13000	3.00	KA 67	
15.0	230	90.04	13000	3.60	KAF 67	
18.0	196	76.37	13000	4.20		
7.30	480	123.85	8500	1.25	K 57	Y..80M;-6 AM80 AD2
8.40	420	108.29	8780	1.40	KF 57	
8.80	400	102.88	8880	1.50	KA 57	
10.0	350	90.26	9080	1.70	KAF 57	
12.0	295	76.56	9290	2.00		
13.0	265	69.12	9400	2.20		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =0.37kw						
9.50	370	145.14	9000	1.60	K 57 KF 57 KA 57 KAF 57	Y..71M;-4 AM71 AD2
11.0	315	123.85	9220	1.90		
13.0	275	108.29	9370	2.20		
13.0	260	102.88	9420	2.30		
18.0	196	76.56	9640	3.10		
20.0	177	69.12	9700	3.40		
8.70	405	104.37	5720	1.00	K 47	Y..80M;-6 AM80 AD2
10.0	350	90.86	6500	1.15	KF 47	
11.0	330	85.12	6750	1.20	KA 47	
12.0	290	75.20	7120	1.35	KAF 47	
10.0	335	131.87	6690	1.20	K 47 KF 47 KA 47 KAF 47	Y..71M;-4 AM71 AD2
11.0	310	121.48	6960	1.30		
13.0	265	104.37	7330	1.50		
15.0	230	90.86	7580	1.70		
16.0	215	85.12	7670	1.85		
18.0	192	75.20	7810	2.10		
20.0	179	69.84	7880	2.20		
22.0	162	63.30	7960	2.50		
14.0	250	97.81	2520	0.80	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD1
16.0	210	83.69	5470	0.95		
19.0	186	72.54	5690	1.10		
20.0	174	67.8	5630	1.15		
24.0	150	58.6	5500	1.35		
28.0	128	49.79	5350	1.55		
31.0	114	44.46	5230	1.75		
36.0	97	37.97	5060	2.10		
39.0	91	35.57	4990	2.20		
46.0	77	29.96	4800	2.60		
48.0	74	28.83	4750	2.70	K 37 KF 37 KA 37 KAF 37	Y..71M;-4 AM71 AD2
55.0	64	24.99	4590	3.10		
59.0	60	23.36	4510	3.30		
68.0	52	20.19	4350	3.60		
80.0	44	17.15	4160	4.10		
90.0	39	15.31	4040	4.50		
105	34	13.08	3860	4.90		
114	31	12.14	3780	5.10		
132	27	10.49	3630	6.00		
155	23	8.91	3460	7.00		
173	20	7.96	3350	7.60		
203	17	6.8	3190	8.60		
217	16	6.37	3130	8.90	K 37	Y..71M;-4 AM71 AD2
257	14	5.36	2970	10.0	KF 37	
					KA 37	
					KAF 37	
P _i =0.55kw						
0.08	54100	16978	190000	0.90	K 187 RF97 KH 187 RF97	Y..80M;-4 AM80 AD3
0.10	45400	14272	190000	1.10		
0.11	41300	13116	190000	1.20		
0.12	36000	11647	190000	1.40		
0.19	23300	7343	190000	2.10		

K

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.55kw						
0.12	36900	11573	150000	0.85	K 167 RF97 KH 167 RF97	Y..80M₁-4 AM80 AD3
0.13	32700	10264	150000	1.00		
0.16	27400	8628	150000	1.15		
0.21	20800	6562	150000	1.55		
0.26	16500	5355	150000	1.95		
0.34	12800	4079	150000	2.50		
0.20	21900	6881	110000	0.80	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..80M₁-4 AM80 AD3
0.23	18800	5931	111700	0.95		
0.35	12600	3979	114500	1.40		
0.45	9710	3051	115400	1.85		
0.31	14600	4423	76600	0.90	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..80M₁-4 AM80 AD2
0.35	12800	3889	79200	1.00		
0.42	10800	3311	80300	1.20		
0.46	9840	3009	80700	1.30		
0.53	8450	2607	81300	1.55		
0.72	6520	1926	81900	2.00	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..80M₁-4 AM80 AD3
0.79	5940	1757	82100	2.20		
0.90	5180	1541	82300	2.50		
1.00	4540	1342	82400	2.90		
1.20	3950	1177	82500	3.30		
1.40	3460	1025	82600	3.80		
0.46	9950	2977	65000	0.80	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..80M₁-4 AM80 AD2
0.53	8690	2599	65000	0.90		
0.60	7590	2286	65000	1.05		
0.71	6440	1939	65000	1.25		
0.81	5820	1713	65000	1.35		
0.89	5280	1554	65000	1.50	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..80M₁-4 AM80 AD3
1.00	4540	1336	65000	1.75		
1.20	3960	1166	65000	2.00		
1.30	3400	1030	65000	2.40		
1.50	2960	904	65000	2.70		
1.70	2680	793	65000	3.00	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..80M₁-4 AM80 AD2
2.00	2330	696	65000	3.40		
2.20	2010	615	65000	4.00		
0.96	4860	1430	40000	0.90		
1.10	4360	1261	40000	1.00		
1.20	3810	1102	40000	1.15	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..80M₁-4 AM80 AD3
1.40	3340	957	40000	1.30		
1.60	2990	855	40000	1.45		
2.40	1980	573	40000	2.20		
1.90	2500	743	40000	1.70		
2.10	2210	652	40000	1.95	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..80M₁-4 AM80 AD2
2.70	1690	504	40000	2.50		
3.20	1450	437	40000	3.00		
3.60	1300	382	40000	3.30		
4.50	1040	305	40000	4.10		
1.40	3250	951	26500	0.85	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..80M₁-4 AM80 AD2
1.60	2840	837	27100	0.95		
1.90	2470	726	27600	1.10		

n [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.55kw						
2.20	2180	638	27900	1.25	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..80M₁-4 AM80 AD3
2.50	1910	562	28100	1.40		
2.90	1610	474	28400	1.70		
3.20	1440	426	28500	1.85		
3.70	1270	373	28600	2.10		
4.20	1100	330	28700	2.40	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..80M₁-4 AM80 AD2
4.70	990	294	28800	2.70		
5.50	860	250	28900	3.10		
5.80	810	236	28900	3.30		
6.90	685	201	28900	3.90		
2.80	1660	485	14600	0.95	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..80M₁-4 AM80 AD2
3.20	1460	428	16000	1.05		
3.80	1260	367	17100	1.20		
4.20	1120	328	17800	1.35		
4.80	1000	290	18300	1.55		
5.50	860	252	18800	1.80	K 77 RF37 KF 77 RF37 KA 77 RF37 KAF 77 RF37	Y..80M₁-4 AM80 AD2
6.20	755	221	19100	2.00		
7.10	665	195	19300	2.30		
7.90	595	175	19500	2.60		
9.00	525	154	19600	3.00		
5.00	950	279	7650	0.85	K 67 RF37 KF 67 RF37 KA 67 RF37 KAF 67 RF37	Y..80M₁-4 AM80 AD2
5.60	840	246	10100	0.95		
6.40	745	217	10900	1.10		
7.20	655	191	11600	1.25		
7.20	655	192	5460	0.90	K 57 RF37 KF 57 RF37 KA 57 RF37 KAF 57 RF37	Y..80M₁-4 AM80 AD2
8.30	570	166	7870	1.05		
9.60	500	145	8420	1.20		
11.0	445	129	8660	1.35		
12.0	380	111	8960	1.55		
14.0	335	97	9140	1.80	K 87 KF 87 KA 87 KAF 87	Y..80M₁-6 AM80 AD2
4.60	1130	197.37	28700	2.40		
5.20	990	174.19	28800	2.70		
5.60	940	164.34	28800	2.90		
6.20	840	147.32	28900	3.20		
5.90	880	154.02	18700	1.75	K 77 KF 77 KA 77 KAF 77	Y..80M₁-6 AM80 AD2
6.80	775	135.28	19100	2.00		
7.10	735	128.52	19200	2.10		
8.10	650	113.56	19400	2.40		
9.00	585	154.02	19500	2.60		
10.0	510	135.28	19700	3.00	K 77 KF 77 KA 77 KAF 77	Y..80M₁-4 AM80 AD2
11.0	485	128.52	19700	3.20		
12.0	430	113.56	19800	3.60		
14.0	365	97.05	19900	4.20		
7.40	705	123.54	11200	1.15	K 67 KF 67 KA 67 KAF 67	Y..80M₁-6 AM80 AD2
8.50	620	108.03	11800	1.30		
8.90	585	102.62	12000	1.40		
10.0	515	90.04	12300	1.60		
12.0	435	76.37	12700	1.85		

K SERIES



n	M _i	i	Fr	K	Frame size	Input Configuration	
[1/min]	[Nm]		[N]				
P ₁ =0.55kw							
11.0	470	123.54	12500	1.75	K 67	Y..80M:-4 AM80 AD2	
13.0	410	108.03	12800	2.00	KF 67		
15.0	340	90.04	13000	2.40	KA 67		
18.0	290	76.37	13000	2.80	KAF 67		
8.40	620	108.29	7450	0.95	K 57 KF 57 KA 57 KAF 57	Y..80M:-6 AM80 AD2	
8.90	590	102.88	7710	1.00			
10.0	515	90.26	8280	1.15			
12.0	435	76.56	8710	1.35			
13.0	395	69.12	8900	1.50			
15.0	345	60.81	9100	1.70			
16.0	325	57.42	9170	1.80			
11.0	470	123.85	8560	1.25	K 57 KF 57 KA 57 KAF 57	Y..80M:-4 AM80 AD2	
13.0	410	108.29	8830	1.45			
13.0	390	102.88	8920	1.55			
15.0	340	90.26	9120	1.75			
18.0	290	76.56	9320	2.10			
20.0	260	69.12	9420	2.30			
23.0	230	60.81	9530	2.60			
24.0	215	57.42	9570	2.80			
13.0	395	104.37	5960	1.00	K 47 KF 47 KA 47 KAF 47	Y..80M:-4 AM80 AD2	
15.0	345	90.86	6600	1.15			
16.0	320	85.12	6830	1.25			
18.0	285	75.20	7180	1.40			
20.0	265	69.84	7340	1.50			
22.0	240	63.30	7520	1.65			
24.0	215	56.83	7680	1.85			
28.0	186	48.95	7840	2.20			
30.0	175	46.03	7900	2.30			
24.0	220	58.6	4840	0.90	K 37 KF 37 KA 37 KAF 37	Y..80M:-4 AM80 AD1	
28.0	190	49.79	4780	1.05			
31.0	169	44.46	4730	1.20			
36.0	144	37.97	4630	1.40			
39.0	135	35.57	4580	1.50			
46.0	114	29.96	4460	1.75	K 37 KF 37 KA 37 KAF 37	Y..80M:-4 AM80 AD2	
48.0	110	28.83	4420	1.80			
55.0	95	24.99	4310	2.10			
59.0	89	23.36	4250	2.20			
68.0	77	20.19	4120	2.40			
80.0	65	17.15	3970	2.80			
90.0	58	15.31	3860	3.00	K 37 KF 37 KA 37 KAF 37	Y..80M:-4 AM80 AD2	
105	50	13.08	3720	3.30			
114	46	12.14	3650	3.50			
132	40	10.49	3510	4.00			
155	34	8.91	3360	4.70			
173	30	7.96	3260	5.10			
203	26	6.8	3120	5.80			
217	24	6.37	3060	6.00	K 37 KF 37 KA 37 KAF 37	Y..80M:-4 AM80 AD2	
257	20	5.36	2910	6.90			
347	15	3.98	2670	8.30			
P ₁ =0.75kw							
0.11	55500	13116	190000	0.90	K 187 RF97 KH 187 RF97	Y..80M:-4 AM80 AD3	
0.12	48600	11647	190000	1.05			
0.20	31300	7343	190000	1.60			
0.21	28500	6747	190000	1.75			
0.24	25000	5991	190000	2.00	K 167 RF97 KH 167 RF97	Y..80M:-4 AM80 AD3	
0.17	36800	8628	150000	0.85			
0.22	28000	6562	150000	1.15			
0.27	22300	5355	150000	1.45			
0.35	17200	4079	150000	1.85			
0.43	14400	3376	150000	2.20			
0.36	16900	3979	112700	1.05	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..80M:-4 AM80 AD3	
0.47	13000	3051	114300	1.40			
0.87	7160	1659	116000	2.50		Y..80M:-4 AM80 AD4	
1.00	5770	1365	116200	3.10		Y..80M:-4 AM80 AD5	
0.43	14500	3311	77000	0.90	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..80M:-4 AM80 AD2	
0.48	13100	3009	79100	1.00			
0.55	11200	2607	80100	1.15			
0.74	8650	1926	81200	1.50			
0.82	7880	1757	81500	1.65	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..80M:-4 AM80 AD3	
0.93	6880	1541	81800	1.90			
1.10	6020	1342	82100	2.20			
1.20	5250	1177	82200	2.50			
1.40	4600	1025	82400	2.80	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..80M:-4 AM80 AD3	
1.60	4010	899	82500	3.20			
0.84	7710	1713	65000	1.05			
0.92	7000	1554	65000	1.15			
1.10	6020	1336	65000	1.35			
1.20	5250	1166	65000	1.50			
1.40	4540	1030	65000	1.75			
1.60	3960	904	65000	2.00			
1.80	3560	793	65000	2.20	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..80M:-4 AM80 AD2	
2.10	3100	696	65000	2.60			
2.30	2690	615	65000	3.00			
1.30	5030	1102	39900	0.85			
1.50	4410	957	40000	0.95	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..80M:-4 AM80 AD2	
1.70	3940	855	40000	1.10			
2.50	2620	573	40000	1.65			
1.90	3320	743	40000	1.30			
2.20	2930	652	40000	1.45			
2.80	2250	504	40000	1.90			
3.30	1940	437	40000	2.20	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..80M:-4 AM80 AD3	
3.80	1720	382	40000	2.50			
4.70	1390	305	40000	3.10			

K

K

n [1/min]	M _L [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=0.75kw						
5.60	1170	258	40000	3.70	K 97 RF57	Y..80M ₁ -4 AM80 AD3
6.20	1050	232	40000	4.10	KF 97 RF57	
7.20	890	199	40000	4.80	KA 97 RF57	
					KAF 97 RF57	
2.00	3270	726	26500	0.80	K 87 RF57	Y..80M ₁ -4 AM80 AD2
					KF 87 RF57	
					KA 87 RF57	
					KAF 87 RF57	
2.20	2890	638	27000	0.95	K 87 RF57	Y..80M ₁ -4 AM80 AD3
2.60	2530	562	27500	1.05	KF 87 RF57	
3.00	2130	474	27900	1.25	KA 87 RF57	
3.40	1910	426	28100	1.40	KAF 87 RF57	
3.80	1680	373	28300	1.60		
4.40	1470	330	28500	1.85		
4.90	1310	294	28600	2.0	K 87 RF57	Y..80M ₁ -4 AM80 AD3
5.70	1130	250	28700	2.4	KF 87 RF57	
6.10	1070	236	28700	2.5	KA 87 RF57	
7.10	910	201	28800	3.0	KAF 87 RF57	
3.90	1670	367	14400	0.95	K 77 RF37	Y..80M ₁ -4 AM80 AD2
4.40	1490	328	15800	1.05	KF 77 RF37	
5.00	1320	290	16800	1.15	KA 77 RF37	
5.70	1140	252	17700	1.35	KAF 77 RF37	
6.50	1000	221	18300	1.55		
5.40	1320	174.19	28600	2.00	K 87	Y..90S-6 AM90 AD2
5.70	1250	164.34	28600	2.20	KF 87	
6.40	1120	147.32	28700	2.40	KA 87	
7.40	960	126.91	28800	2.80	KAF 87	
7.30	980	197.37	28800	2.70	K 87	Y..80M ₁ -4 AM80 AD2
8.20	860	174.19	28800	3.10	KF 87	
8.70	820	164.34	28900	3.30	KA 87	
9.70	735	147.32	28900	3.70	KAF 87	
7.00	1030	135.28	18200	1.50	K 77	Y..90S-6 AM90 AD2
7.30	970	128.52	18400	1.60	KF 77	
8.30	860	113.56	18800	1.80	KA 77	
9.70	735	97.05	19200	2.10	KAF 77	
11.0	675	88.97	19300	2.30		
9.30	765	154.02	19100	2.00	K 77	Y..80M ₁ -4 AM80 AD2
11.0	675	135.28	19300	2.30	KF 77	
11.0	640	128.52	19400	2.40	KA 77	
13.0	565	113.56	19600	2.70	KAF 77	
15.0	480	97.05	19700	3.20		
12.0	615	123.54	11800	1.35		Y..80M ₁ -4 AM80 AD2
13.0	535	108.03	12200	1.50	K 67	
16.0	445	90.04	12600	1.80	KF 67	
19.0	380	76.37	12900	2.20	KA 67	
21.0	340	68.95	13000	2.40	KAF 67	
24.0	300	60.66	13000	2.70		
25.0	285	57.28	13000	2.90		

n	M _L	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P ₁ =0.75kw						
12.0	615	123.85	7480	0.95		Y..80M ₁ -4 AM80 AD2
13.0	540	108.29	8110	1.10		
14.0	510	102.88	8320	1.15		
16.0	450	90.26	8660	1.35	K 57	
19.0	380	76.56	8960	1.55	KF 57	
21.0	345	69.12	9110	1.75	KA 57	
24.0	300	60.81	9270	2.00	KAF 57	
25.0	285	57.42	9340	2.10		
29.0	240	48.89	9490	2.50		
32.0	220	44.43	9560	2.70		
19.0	375	75.20	6260	1.05		Y..80M ₁ -4 AM80 AD2
21.0	345	69.84	6570	1.15		
23.0	315	63.30	6910	1.25	K 47	
25.0	280	56.83	7200	1.40	KF 47	
29.0	240	48.95	7500	1.65	KA 47	
31.0	225	46.03	7600	1.75	KAF 47	
36.0	198	39.61	7780	2.00		
41.0	177	35.39	7700	2.30		
46.0	156	31.3	7490	2.60		
32.0	220	44.46	4170	0.90	K 37	Y..80M ₁ -4 AM80 AD1
38.0	190	37.97	4140	1.05	KF 37	
40.0	178	35.57	4130	1.15	KA 37	
					KAF 37	
48.0	150	29.96	4060	1.35		Y..80M ₁ -4 AM80 AD2
50.0	144	28.83	4040	1.40		
57.0	125	24.99	3970	1.60		
61.0	117	23.36	3930	1.65		
71.0	101	20.19	3840	1.85	K 37	
84.0	86	17.15	3720	2.10	KF 37	
94.0	76	15.31	3640	2.30	KA 37	
110	65	13.08	3520	2.50	KAF 37	
118	61	12.14	3460	2.60		
137	52	10.49	3350	3.00		
161	44	8.91	3220	3.60		
180	40	7.96	3130	3.90		
211	34	6.8	3000	4.40	K 37	Y..80M ₁ -4 AM80 AD2
225	32	6.37	2950	4.60	KF 37	
268	27	5.36	2810	5.20	KA 37	
361	20	3.98	2590	6.30	KAF 37	
P ₁ =1.1kw						
0.15	58700	9363	190000	0.85		Y..90S-4 AM90 AD3
0.17	50200	8126	190000	1.00	K 187 RF97	
0.19	47600	7343	190000	1.05	KH 187 RF97	
0.21	43500	6747	190000	1.15		
0.24	38300	5991	190000	1.30		
0.27	33900	5358	190000	1.45		Y..90S-4 AM90 AD4
0.29	30200	4817	190000	1.65	K 187 RF97	
0.32	27400	4370	190000	1.80	KH 187 RF97	
0.27	34200	5355	150000	0.95		Y..90S-4 AM90 AD3
0.30	30300	4788	150000	1.05	K 167 RF97	
0.35	26300	4079	150000	1.20	KH 167 RF97	
0.42	21900	3376	150000	1.45		

K SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=1.1kw						
0.52	17600	2755	150000	1.80	K 167 RF97 KH 167 RF97	Y..90S-4 AM90 AD3
0.65	14300	2182	150000	2.20	K 167 RF97 KH 167 RF97	Y..90S-4 AM90 AD4
0.83	11100	1704	150000	2.90	K 167 RF97 KH 167 RF97	Y..90S-4 AM90 AD5
1.10	8460	1296	150000	3.80		
0.40	22200	3516	109700	0.80	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..90S-4 AM90 AD3
0.47	19800	3051	111200	0.90		
0.54	16300	2610	113000	1.10	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..90S-4 AM90 AD4
0.61	14500	2322	113700	1.25		
0.86	10800	1659	115000	1.65		
1.00	8840	1365	115600	2.00	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..90S-4 AM90 AD5
1.20	7880	1229	115800	2.30		
1.30	7010	1093	116000	2.60		
1.50	6040	942	116200	3.00		
1.70	5420	854	116300	3.30		
0.74	12900	1926	79200	1.00		
0.81	11800	1757	79800	1.10		
0.92	10300	1541	80500	1.25	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..90S-4 AM90 AD3
1.10	9030	1342	81100	1.45		
1.20	7900	1177	81500	1.65		
1.40	6900	1025	81800	1.90		
1.60	6030	899	82000	2.20		
1.80	5190	790	82300	2.50		
2.00	4700	704	82400	2.80	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..90S-4 AM90 AD4
2.30	4040	610	82500	3.20		
2.60	3650	549	82600	3.60		
3.00	3140	477	82600	4.10		
1.20	7870	1166	65000	1.00		
1.40	6860	1030	65000	1.15		
1.60	5990	904	65000	1.35		
1.80	5340	793	65000	1.50	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..90S-4 AM90 AD3
2.00	4670	696	65000	1.70		
2.30	4080	615	65000	1.95		
2.70	3460	522	65000	2.30		
3.10	3040	461	65000	2.60		
3.50	2680	408	65000	3.00		
3.90	2420	364	65000	3.30	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..90S-4 AM90 AD4
4.50	2120	318	65000	3.80		
2.50	3920	573	40000	1.10	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..90S-4 AM90 AD2

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P_i=1.1kw						
1.90	4990	743	39900	0.85	K 97 RF57	Y..90S-4
2.20	4390	652	40000	1.00	KF 97 RF57	AM90
2.80	3380	504	40000	1.25	KA 97 RF57	AD3
3.20	2920	437	40000	1.45	KAF 97 RF57	
3.70	2580	382	40000	1.65	K 97 RF57	Y..90S-4
4.20	2280	342	40000	1.90	KF 97 RF57 KA 97 RF57 KAF 97 RF57	AM90 AD3
3.00	3200	474	26600	0.85	K 87 RF57	Y..90S-4
3.30	2870	426	27100	0.95	KF 87 RF57	AM90
3.80	2530	373	27500	1.05	KA 87 RF57	AD3
4.30	2210	330	27800	1.20	KAF 87 RF57	
4.80	1980	294	28100	1.35	K 87 RF57	Y..90S-4
5.70	1700	250	28300	1.60	KF 87 RF57	AM90
6.00	1610	236	28400	1.70	KA 87 RF57	AD3
7.10	1360	201	28600	1.95	KAF 87 RF57	
5.30	1960	176.05	40000	2.20	K 97	Y..90L-6
6.10	1710	153.21	40000	2.50	KF 97	AM90
6.70	1560	140.28	40000	2.70	KA 97	AD3
7.60	1380	123.93	40000	3.10	KAF 97	
8.10	1300	176.05	40000	3.30	K 97	Y..90S-4
9.30	1130	153.21	40000	3.80	KF 97	AM90
10.0	1030	140.28	40000	4.10	KA 97 KAF 97	AD3
6.40	1640	147.32	28400	1.65	K 87	Y..90L-6
7.40	1410	126.91	28500	1.90	KF 87 KA 87 KAF 87	AM90 AD2
8.20	1280	174.19	28600	2.10	K 87	Y..90S-4
8.60	1210	164.34	28700	2.20	KF 87	AM90
9.60	1080	147.32	28700	2.50	KA 87	AD2
11.0	930	126.91	28800	2.90	KAF 87	
12.0	850	115.82	28900	3.20		
8.30	1260	113.56	17100	1.20	K 77	Y..90L-6
9.70	1080	97.05	18000	1.45	KF 77 KA 77 KAF 77	AM90 AD2
10.0	1000	135.28	18300	1.55		
11.0	950	128.52	18500	1.65		
12.0	840	113.56	18900	1.85	K 77	Y..90S-4
15.0	715	97.05	19200	2.20	KF 77	AM90
16.0	655	88.97	19400	2.40	KA 77	AD2
18.0	575	78.07	19500	2.70	KAF 77	
19.0	545	73.99	19600	2.80		
13.0	795	108.03	10500	1.05	K 67	Y..90S-4
14.0	755	102.62	10800	1.10	KF 67	AM90
16.0	665	90.04	11500	1.25	KA 67	AD2
19.0	560	76.37	12100	1.45	KAF 67	
21.0	510	68.95	12400	1.60		

K



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =1.1kw						
23.0	445	60.66	12600	1.85	K 67 KF 67 KA 67 KAF 67	Y..90S-4 AM90 AD2
25.0	420	57.28	12700	1.95		
29.0	360	48.77	12900	2.30		
32.0	325	44.32	13000	2.50		
37.0	280	38.39	13000	2.80		
16.0	665	90.26	4300	0.90	K 57 KF 57 KA 57 KAF 57	Y..90S-4 AM90 AD2
19.0	565	76.56	7900	1.05		
21.0	510	69.12	8330	1.15		
23.0	445	60.81	8660	1.35		
25.0	420	57.42	8770	1.40		
29.0	360	48.89	9040	1.65		
32.0	325	44.43	9180	1.85		
37.0	280	38.49	9340	2.10		
40.0	260	35.7	9420	2.30		
47.0	220	30.28	9550	2.70		
52.0	200	27.34	9480	3.00		
59.0	178	24.05	9190	3.40		
63.0	168	22.71	9060	3.60		
73.0	143	19.34	8690	4.00		
81.0	130	17.57	8470	4.30		
93.0	113	15.22	8150	4.80	K 57 KF 57 KA 57 KAF 57	Y..90S-4 AM90 AD3
107	98	13.25	7850	5.20		
119	88	11.92	7540	4.70		
126	83	11.26	7420	5.00		
148	71	9.59	7090	5.70		
163	64	8.71	6900	6.10		
188	56	7.55	6620	6.50		
216	49	6.57	6360	7.10		
303	35	4.69	5750	8.60		
25.0	420	56.83	4240	0.95	K 47 KF 47 KA 47 KAF 47	Y..90S-4 AM90 AD2
29.0	360	48.95	6420	1.10		
31.0	340	46.03	6660	1.15		
36.0	290	39.61	7120	1.35		
40.0	260	35.39	7080	1.55		
45.0	230	31.3	6940	1.75		
48.0	215	29.32	6870	1.85		
55.0	192	25.91	6720	2.10		
65.0	161	21.81	6490	2.50		
73.0	145	19.58	6340	2.80		
47.0	220	29.96	3430	0.90	K 37 KF 37 KA 37 KAF 37	Y..90S-4 AM90 AD2
57.0	185	24.99	3440	1.10		
61.0	173	23.36	3440	1.15		
70.0	149	20.19	3410	1.25		
83.0	127	17.15	3360	1.40		
93.0	113	15.31	3320	1.55		
109	97	13.08	3250	1.70		
117	90	12.14	3210	1.80	K 37 KF 37 KA 37 KAF 37	Y..90S-4 AM90 AD2
135	78	10.49	3130	2.10		
159	66	8.91	3040	2.40		
178	59	7.96	2960	2.60		
209	50	6.8	2860	3.00		
223	47	6.37	2820	3.10		
265	40	5.36	2710	3.50		
357	29	3.98	2510	4.20		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =1.5kw						
0.21	59800	6747	190000	0.85	K 187 RF97 KH 187 RF97	Y..90L-4 AM90 AD3
0.24	52800	5991	190000	0.95		
0.27	46900	5358	190000	1.05	K 187 RF97 KH 187 RF97	Y..90L-4 AM90 AD4
0.30	41800	4817	190000	1.20		
0.33	37900	4370	190000	1.30		
0.40	32500	3609	190000	1.55		
0.47	27500	3062	190000	1.80	K 187 RF97 KH 187 RF97	Y..90L-4 AM90 AD5
0.57	22400	2519	190000	2.20		
0.63	20000	2268	190000	2.50	K 167 RF97 KH 167 RF97	Y..90L-4 AM90 AD3
0.35	36100	4079	150000	0.90		
0.42	30000	3376	150000	1.05		
0.52	24200	2755	150000	1.30		
0.66	19600	2182	150000	1.60	K 167 RF97 KH 167 RF97	Y..90L-4 AM90 AD4
1.00	12600	1408	150000	2.50		
0.84	15300	1704	150000	2.10	K 167 RF97 KH 167 RF97	Y..90L-4 AM90 AD5
1.10	11600	1296	150000	2.80		
0.62	20100	2322	111000	0.90	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..90L-4 AM90 AD4
0.86	14900	1659	113600	1.20		
1.00	12100	1365	114600	1.50		
1.20	10800	1229	115000	1.65	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..90L-4 AM90 AD5
1.30	9680	1093	115400	1.85		
1.50	8350	942	115700	2.20		
1.70	7500	854	115900	2.40		
2.50	4930	567	116300	3.60		
2.80	4380	504	116400	4.10		
2.70	4750	536	82400	2.70	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..90L-4 AM90 AD4
3.40	3740	418	82500	3.50		
3.90	3290	367	82600	3.90		
0.81	16100	1757	73600	0.80	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..90L-4 AM90 AD3
0.93	14100	1541	77700	0.90		
1.10	12300	1342	79600	1.05		
1.20	10700	1177	80300	1.20		
1.40	9410	1025	80900	1.40		
1.60	8230	899	81400	1.60		
1.80	7130	790	81700	1.80		
2.00	6420	704	81900	2.00	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..90L-4 AM90 AD4
2.30	5540	610	82200	2.40		
2.60	5000	549	82300	2.60		
3.00	4300	477	82400	3.00		
3.40	3810	418	82500	3.40		

K SERIES



n	M _L	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P ₁ =1.5kw						
1.40	9380	1030	65000	0.85	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107RF77	Y..90L-4 AM90 AD3
1.60	8200	904	65000	1.00		
1.80	7280	793	65000	1.10		
2.10	6370	696	65000	1.25		
2.30	5580	615	65000	1.45		
2.70	4730	522	65000	1.70		
3.10	4160	461	65000	1.90	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107RF77	Y..90L-4 AM90 AD4
3.50	3680	408	65000	2.20		
3.90	3310	364	65000	2.40		
4.50	2900	318	65000	2.80		
P ₁ =1.5kw						
2.50	5340	573	39500	0.80	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..90L-4 AM90 AD2
2.80	4610	504	40000	0.95	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..90L-4 AM90 AD3
3.30	3980	437	40000	1.10		
3.70	3510	382	40000	1.20		
4.20	3110	342	40000	1.40		
4.70	2830	305	40000	1.50		
5.60	2390	258	40000	1.80		
6.20	2150	232	40000	2.00	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..90L-4 AM90 AD3
7.20	1840	199	40000	2.30		
4.30	3020	330	26900	0.90		
4.90	2700	294	27300	1.00		
5.70	2320	250	27700	1.15	K 87 RF57 KF 87 RF57 KA 87 RF57 KAF 87 RF57	Y..90L-4 AM90 AD3
6.00	2190	236	27900	1.25		
7.10	1860	201	28200	1.45		
7.80	1690	183	28300	1.60		
5.30	2680	176.05	40000	1.60	K 97 KF 97 KA 97 KAF 97	Y..100L-6 AM100 AD3
6.10	2330	153.21	40000	1.85		
6.70	2130	140.28	40000	2.00		
7.60	1880	123.93	40000	2.30		
8.10	1760	176.05	40000	2.40	K 97 KF 97 KA 97 KAF 97	Y..90L-4 AM90 AD3
9.30	1530	153.21	40000	2.80		
10.0	1400	140.28	40000	3.10		
12.0	1240	123.93	40000	3.50		
6.40	2240	147.32	27800	1.20	K 87 KF 87 KA 87 KAF 87	Y..100L-6 AM100 AD2
7.40	1930	126.91	28100	1.40		
8.10	1760	115.82	28300	1.55		
9.20	1560	102.71	28400	1.75		
8.20	1740	174.19	28300	1.55	K 87 KF 87 KA 87 KAF 87	Y..90L-4 AM90 AD2
8.70	1640	164.34	28400	1.65		
9.70	1470	147.32	28500	1.85		
11.0	1270	126.91	28600	2.10		
12.0	1160	115.82	28700	2.30		
14.0	1020	102.71	28800	2.60		
17.0	860	86.34	28900	3.10		

n	M _L	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P ₁ =1.5kw						
8.30	1730	113.56	14000	0.90	K 77 KF 77 KA 77 KAF 77	Y..100L-6 AM100 AD2
9.70	1470	97.05	15900	1.05	K 77 KF 77 KA 77 KAF 77	Y..90L-4 AM90 AD2
11.0	1350	88.97	16600	1.15		
12.0	1180	78.07	17500	1.30		
11.0	1350	135.28	16600	1.15		
11.0	1280	128.52	17000	1.20		
13.0	1130	113.56	17700	1.35		
15.0	970	97.05	18400	1.60	K 77 KF 77 KA 77 KAF 77	Y..90L-4 AM90 AD2
16.0	890	88.97	18700	1.75		
18.0	780	78.07	19000	2.00		
19.0	740	73.99	19200	2.10		
22.0	645	64.75	19400	2.40		
25.0	580	58.34	19500	2.60		
28.0	510	51.18	19700	3.00	K 77 KF 77 KA 77 KAF 77	Y..90L-4 AM90 AD3
32.0	450	45.16	19800	3.40		
36.0	400	40.04	19900	3.90		
16.0	900	90.04	9500	0.90	K 67 KF 67 KA 67 KAF 67	Y..90L-4 AM90 AD2
19.0	765	76.37	10800	1.05		
21.0	690	68.95	11300	1.20		
24.0	605	60.66	11900	1.35		
25.0	570	57.28	12000	1.45		
29.0	485	48.77	12500	1.70		
32.0	440	44.32	12600	1.85	K 67 KF 67 KA 67 KAF 67	Y..90L-4 AM90 AD3
37.0	380	38.39	12900	2.10		
40.0	355	35.62	13000	2.30		
47.0	300	30.22	13000	2.70		
52.0	270	27.28	13000	3.00	K 67 KF 67 KA 67 KAF 67	Y..90L-4 AM90 AD3
60.0	240	24	13000	3.30		
24.0	605	60.81	7560	1.00	K 57 KF 57 KA 57 KAF 57	Y..90L-4 AM90 AD2
25.0	575	57.42	7830	1.05		
29.0	485	48.89	8470	1.25		
32.0	445	44.43	8680	1.35		
37.0	385	38.49	8940	1.55		
40.0	355	35.7	9060	1.70		
47.0	300	30.28	9170	2.00	K 57 KF 57 KA 57 KAF 57	Y..90L-4 AM90 AD2
52.0	270	27.34	8990	2.20		
59.0	240	24.05	8750	2.50		
63.0	225	22.71	8640	2.60		
74.0	194	19.34	8340	3.00	K 47 KF 47 KA 47 KAF 47	Y..90L-4 AM90 AD2
36.0	395	39.61	5970	1.00		
40.0	350	35.39	6350	1.15		
46.0	310	31.3	6300	1.30		
49.0	290	29.32	6260	1.35		
55.0	255	25.91	6180	1.55		
66.0	215	21.81	6040	1.85	K 47 KF 47 KA 47 KAF 47	Y..90L-4 AM90 AD2
73.0	196	19.58	5940	2.00		

K

n	M ₂	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P ₁ =1.5kw						
85.0	169	16.86	5780	2.20	K 47 KF 47 KA 47 KAF 47	Y..90L-4 AM90 AD2
90.0	159	15.86	5720	2.40		
105	137	13.65	5550	2.60		
117	122	12.19	5420	2.90		
122	118	11.77	5320	2.40		
61.0	230	23.36	2870	0.85	K 37 KF 37 KA 37 KAF 37	Y..90L-4 AM90 AD2
71.0	200	20.19	2920	0.90		
83.0	172	17.15	2940	1.05		
93.0	153	15.31	2940	1.15		
109	131	13.08	2930	1.25		
118	122	12.14	2920	1.30		
136	105	10.49	2880	1.50		
160	89	8.91	2820	1.80		
180	80	7.96	2770	1.95		
210	68	6.8	2700	2.20		
225	64	6.37	2660	2.30		
267	54	5.36	2570	2.60		
359	40	3.98	2410	3.10		
P ₁ =2.2kw						
0.33	57000	4370	190000	0.90	K 187 RF97 KH 187 RF97	Y..100L-4 AM100 AD4
0.51	35900	2818	190000	1.40		
0.39	48400	3609	190000	1.05		
0.47	41100	3062	190000	1.20		
0.57	33500	2519	190000	1.50	K 187 RF97 KH 187 RF97	Y..100L-4 AM100 AD5
0.63	30100	2268	190000	1.65		
0.69	27100	2054	190000	1.85		
0.78	23800	1821	190000	2.10		
0.89	21200	1605	190000	2.40	K 167 RF97 KH 167 RF97	Y..100L-4 AM100 AD3
0.52	36200	2755	150000	0.90		
0.63	29100	2263	150000	1.10		
0.65	29300	2182	150000	1.10		
1.00	18800	1408	150000	1.70	K 167 RF97 KH 167 RF97	Y..100L-4 AM100 AD4
0.84	22800	1704	150000	1.40		
1.10	17300	1296	150000	1.85		
1.30	14400	1101	150000	2.20		
1.50	12400	944	150000	2.60	K 167 RF97 KH 167 RF97	Y..100L-4 AM100 AD5
0.86	22200	1659	109700	0.80		
1.00	18200	1365	112100	1.00		
1.20	16300	1229	113000	1.10		
1.30	14500	1093	113800	1.25	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..100L-4 AM100 AD5
1.50	12500	942	114500	1.45		
1.70	11200	854	114900	1.60		
1.90	9760	756	115400	1.85		

n	M ₂	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P ₁ =2.2kw						
2.70	7110	536	81700	1.85	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..100L-4 AM100 AD4
3.00	6220	473	82000	2.10		
3.40	5610	418	82200	2.30		
3.90	4910	367	82300	2.60		
4.30	4400	330	82400	3.00	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..100L-4 AM100 AD3
1.40	13900	1025	78100	0.95		
1.60	12200	899	79600	1.05		
1.80	10600	790	80400	1.20		
2.00	9530	704	80900	1.35	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..100L-4 AM100 AD4
2.30	8230	610	81400	1.60		
2.60	7420	549	81600	1.75		
3.00	6410	477	81900	2.00		
3.40	5650	418	82100	2.30	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..100L-4 AM100 AD3
2.30	8300	615	65000	0.95		
2.70	7040	522	65000	1.15		
3.10	6190	461	65000	1.30		
3.50	5480	408	65000	1.45	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..100L-4 AM100 AD4
3.90	4920	364	65000	1.60		
4.50	4300	318	65000	1.85		
5.00	3870	286	65000	2.10		
5.70	3390	251	65000	2.40	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..100L-4 AM100 AD3
3.70	5200	382	39700	0.85		
4.20	4620	342	40000	0.95		
4.70	4190	305	40000	1.00		
5.50	3540	258	40000	1.20	K 97 KF 97 KA 97 KAF 97	Y..112M-6 AM112 AD3
6.10	3180	232	40000	1.35		
7.20	2730	199	40000	1.55		
6.20	3370	153.21	40000	1.30		
6.80	3080	140.28	40000	1.40	K 97 KF 97 KA 97 KAF 97	Y..100L-4 AM100 AD3
7.70	2720	123.93	40000	1.60		
9.10	2310	105.13	40000	1.85		
8.10	2590	176.05	40000	1.65		
9.30	2250	153.21	40000	1.90	K 87 KF 87 KA 87 KAF 87	Y..100L-4 AM100 AD2
10.0	2060	140.28	40000	2.10		
12.0	1820	123.93	40000	2.40		
14.0	1540	105.13	40000	2.80		
15.0	1420	96.8	40000	3.00	K 87 KF 87 KA 87 KAF 87	Y..100L-4 AM100 AD2
9.70	2170	147.32	27900	1.25		
11.0	1870	126.91	28200	1.45		
12.0	1700	115.82	28300	1.60		
14.0	1510	102.71	28500	1.80	K 87 KF 87 KA 87 KAF 87	Y..100L-4 AM100 AD2
16.0	1270	86.34	28600	2.10		

K SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =2.2kw						
18.0	1160	79.34	28700	2.30	K 87	Y..100L..-4 AM100 AD3
20.0	1030	70.46	28800	2.60	KF 87	
23.0	920	63.00	28800	2.90	KA 87	
					KAF 87	
13.0	1670	113.56	14400	0.95	K 77	Y..100L..-4 AM100 AD2
15.0	1430	97.05	16200	1.10		
16.0	1310	88.97	16900	1.20		
18.0	1150	78.07	17700	1.35		
19.0	1090	73.99	17900	1.40		
22.0	950	64.75	18500	1.60	KA 77	
24.0	860	58.34	18800	1.80	KAF 77	
28.0	750	51.18	19100	2.00	K 77	Y..100L..-4 AM100 AD2
32.0	665	45.16	19300	2.30		
					KF 77	
					KA 77	
					KAF 77	
13.0	1670	113.56	14400	0.95	K 77	Y..100L..-4 AM100 AD2
15.0	1430	97.05	16200	1.10		
16.0	1310	88.97	16900	1.20		
18.0	1150	78.07	17700	1.35		
19.0	1090	73.99	17900	1.40		
22.0	950	64.75	18500	1.60	KA 77	
24.0	860	58.34	18800	1.80	KAF 77	
28.0	750	51.18	19100	2.00	K 77	Y..100L..-4 AM100 AD3
32.0	665	45.16	19300	2.30		
					KF 77	
					KA 77	
					KAF 77	
49.0	430	29.27	19800	3.60	K 77	Y..100L..-4 AM100 AD4
56.0	375	25.62	19900	4.10		
					KF 77	
					KA 77	
					KAF 77	
23.0	890	60.66	9590	0.90	K 67	Y..100L..-4 AM100 AD2
25.0	840	57.28	10100	0.95		
29.0	715	48.77	11100	1.15		
32.0	650	44.32	11600	1.25		
37.0	565	38.39	12100	1.40		
40.0	525	35.62	12300	1.55	KA 67	
					KAF 67	
47.0	445	30.22	12600	1.85	K 67	Y..100L..-4 AM100 AD3
52.0	400	27.28	12800	2.00		
59.0	350	24	13000	2.30		
63.0	330	22.66	13000	2.30		
74.0	280	19.3	13000	2.70		
81.0	255	17.54	13000	2.90	KA 67	
94.0	220	15.19	13000	3.10	KAF 67	
108	195	13.22	13000	3.40	K 67	Y..100L..-4 AM100 AD5
114	184	12.48	13000	2.90		
134	157	10.63	13000	3.20		
					KAF 67	
148	142	9.66	13000	3.40	K 67	Y..100L..-4 AM100 AD3
					KF 67	
					KA 67	
					KAF 67	

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration	
P _i =2.2kw							
170	123	8.37	13000	3.60	K 67 KF 67 KA 67 KAF 67	Y..100L..-4 AM100 AD3	
196	107	7.28	12700	3.90	K 67 KF 67 KA 67 KAF 67	Y..100L..-4 AM100 AD3	
274	77	5.2	11600	4.60			
32.0	655	44.43	5920	0.90	K 57 KF 57 KA 57 KAF 57	Y..100L..-4 AM100 AD2	
37.0	565	38.49	7900	1.05			
40.0	525	35.7	8220	1.15			
47.0	445	30.28	8240	1.35			
52.0	400	27.34	8150	1.50			
59.0	350	24.05	8020	1.70	K 57 KF 57 KA 57 KAF 57	Y..100L..-4 AM100 AD3	
63.0	330	22.71	7950	1.80			
74.0	285	19.34	7750	2.00			
81.0	255	17.57	7620	2.10			
94.0	220	15.22	7410	2.40	K 57 KF 57 KA 57 KAF 57	Y..100L..-4 AM100 AD3	
108	195	13.25	7200	2.60			
120	176	11.92	6880	2.40			
127	166	11.26	6800	2.50			
55.0	380	25.91	5260	1.05	K 47 KF 47 KA 47 KAF 47	Y..100L..-4 AM100 AD2	
65.0	320	21.81	5260	1.25			
73.0	285	19.58	5240	1.40			
84.0	245	16.86	5180	1.55			
90.0	230	15.86	5150	1.65			
104	200	13.65	5060	1.80	K 47 KF 47 KA 47 KAF 47	Y..100L..-4 AM100 AD2	
117	180	12.19	4980	1.95			
121	174	11.77	4880	1.60			
135	156	10.56	4800	1.80			
157	134	9.1	4680	2.10			
109	193	13.08	2370	0.85	K 37 KF 37 KA 37 KAF 37	Y..100L..-4 AM100 AD2	
136	155	10.49	2430	1.05			
160	131	8.91	2440	1.20			
179	117	7.96	2430	1.30			
210	100	6.8	2410	1.50			
224	94	6.37	2390	1.55	K 37 KF 37 KA 37 KAF 37	Y..100L..-4 AM100 AD2	
266	79	5.36	2350	1.75			
358	59	3.98	2240	2.10			
P _i =3.0kw							
0.52	48700	2818	190000	1.05	K 187 RF97 KH 187 RF97	Y..100L..-4 AM100 AD4	
0.48	55200	3062	190000	0.90			
0.58	45200	2519	190000	1.10	K 187 RF97 KH 187 RF97	Y..100L..-4 AM100 AD5	
0.64	40500	2268	190000	1.25			
0.71	36600	2054	190000	1.35			
0.80	32200	1821	190000	1.55			
0.91	28600	1605	190000	1.75	K 187 RF97 KH 187 RF97	Y..100L..-4 AM100 AD5	
1.00	24400	1395	190000	2.00			
1.20	21200	1196	190000	2.40			

K

n ₁ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=3.0kw						
1.00	25300	1408	150000	1.25	K 167 RF97 KH 167 RF97	Y..100L;-4 AM100 AD4
0.85	30600	1704	150000	1.05	K 167 RF97 KH 167 RF97	Y..100L;-4 AM100 AD5
1.10	23300	1296	150000	1.35		
1.30	19500	1101	150000	1.65		
1.50	16800	944	150000	1.90		
1.70	14700	843	150000	2.20		
1.90	13300	757	150000	2.40		
1.20	21900	1229	109900	0.80	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..100L;-4 AM100 AD5
1.30	19500	1093	111400	0.90		
1.50	16800	942	112700	1.05		
1.70	15200	854	113500	1.20		
1.90	13200	756	114300	1.35		
2.60	10000	567	115300	1.80	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..100L;-4 AM100 AD4
2.90	8930	504	115600	2.00		
2.70	9580	536	80900	1.35		
3.10	8410	473	81300	1.55		
3.50	7560	418	81600	1.70		
4.00	6610	367	81900	1.95	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..100L;-4 AM100 AD5
4.40	5930	330	82100	2.20		
5.10	5090	287	82300	2.60		
1.80	14200	790	77400	0.90	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..100L;-4 AM100 AD3
2.10	12700	704	79300	1.00	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..100L;-4 AM100 AD4
2.40	11000	610	80200	1.20		
2.60	9960	549	80700	1.30		
3.00	8620	477	81200	1.50		
3.50	7590	418	81600	1.70	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..100L;-4 AM100 AD3
3.20	8320	461	65000	0.95		
3.60	7360	408	65000	1.10		
4.00	6600	364	65000	1.20		
4.60	5770	318	65000	1.40	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..100L;-4 AM100 AD4
5.10	5190	286	65000	1.55		
5.80	4550	251	65000	1.75		
6.60	4000	222	65000	2.00		
7.40	3540	196	65000	2.20		
8.40	3170	174	65000	2.30		
9.40	2800	154	65000	2.60		
10.0	2540	140	65000	2.80		
5.60	4740	258	40000	0.90	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..100L;-4 AM100 AD3
6.30	4270	232	40000	1.00		
7.30	3660	199	40000	1.15		

n ₁ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=3.0kw						
6.70	4300	143.47	65000	1.85	K 107	Y..132S-6 AM132 AD4
7.90	3640	121.46	65000	2.20	KF 107	
8.50	3370	112.41	65000	2.40	KA 107	
9.50	3020	100.75	65000	2.60	KAF 107	
10.0	2820	143.47	65000	2.80	K 107	Y..100L;-4 AM100 AD4
12.0	2390	121.46	65000	3.40	KF 107	
					KA 107	
					KAF 107	
7.70	3710	123.93	40000	1.15	K 97	Y..132S-6 AM132 AD3
9.10	3150	105.13	40000	1.35	KF 97	
9.90	2900	96.8	40000	1.50	KA 97	
11.0	2590	86.52	40000	1.65	KAF 97	
8.30	3460	176.05	40000	1.25	K 97 KF 97 KA 97 KAF 97	Y..100L;-4 AM100 AD3
9.50	3010	153.21	40000	1.45		
10.0	2760	140.28	40000	1.55		
12.0	2440	123.93	40000	1.75		
14.0	2070	105.13	40000	2.10		
15.0	1900	96.8	40000	2.30		
17.0	1700	86.52	40000	2.50		
19.0	1530	77.89	40000	2.80		
21.0	1380	70.54	40000	3.10		
23.0	1230	62.55	40000	3.50		
26.0	1110	56.55	40000	3.90		
9.90	2900	147.32	27000	0.95	K 87 KF 87 KA 87 KAF 87	Y..100L;-4 AM100 AD2
11.0	2490	126.91	27500	1.10		
13.0	2280	115.82	27800	1.20		
14.0	2020	102.71	28000	1.35		
17.0	1690	86.34	28300	1.60	K 87 KF 87 KA 87 KAF 87	Y..100L;-4 AM100 AD3
18.0	1560	79.34	28400	1.75		
21.0	1380	70.46	28600	1.95		
23.0	1240	63.00	28600	2.20		
26.0	1110	56.64	28700	2.40		
30.0	960	49.16	28800	2.80		
33.0	860	44.02	28800	3.00		
40.0	715	36.52	28200	3.50		
16.0	1750	88.97	13800	0.90	K 77 KF 77 KA 77 KAF 77	Y..100L;-4 AM100 AD2
19.0	1530	78.07	15500	1.00		
20.0	1450	73.99	16000	1.05		
22.0	1270	64.75	17100	1.20		
25.0	1140	58.34	17700	1.35		
28.0	1000	51.18	18300	1.55		
32.0	880	45.16	18700	1.75	K 77 KF 77 KA 77 KAF 77	Y..100L;-4 AM100 AD2
36.0	785	40.04	19000	1.95	K 77 KF 77 KA 77 KAF 77	Y..100L;-4 AM100 AD3
41.0	690	35.2	19300	2.20		
47.0	605	30.89	19500	2.60		

K SERIES



n	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P ₁ =3.0kw						
33.0	870	44.32	9810	0.95	K 67	Y..100L ₁ -4 AM100 AD2
38.0	755	38.39	10800	1.05	KF 67	
41.0	700	35.62	11300	1.15	KA 67	
					KAF 67	
48.0	590	30.22	11900	1.40	K 67 KF 67 KA 67 KAF 67	Y..100L ₁ -4 AM100 AD3
53.0	535	27.28	12200	1.55		
61.0	470	24	12500	1.70		
64.0	445	22.66	12600	1.75		
75.0	375	19.3	12900	2.00		
83.0	345	17.54	13000	2.10		
96.0	295	15.19	13000	2.30		
110	260	13.22	13000	2.60		
117	245	12.48	13000	2.20		
137	205	10.63	13000	2.40		
151	190	9.66	13000	2.50		
48.0	595	30.28	7190	1.00	K 57 KF 57 KA 57 KAF 57	Y..100L ₁ -4 AM100 AD2
53.0	535	27.34	7190	1.10		
60.0	470	24.05	7170	1.25		
64.0	445	22.71	7150	1.35		
75.0	380	19.34	7060	1.50		
83.0	345	17.57	6980	1.60		
96.0	295	15.22	6860	1.80	K 57 KF 57 KA 57 KAF 57	Y..100L ₁ -4 AM100 AD3
110	260	13.25	6710	1.95		
122	230	11.92	6380	1.75		
129	220	11.26	6330	1.85		
152	189	9.59	6160	2.20		
167	172	8.71	6050	2.30		
193	149	7.55	5870	2.50	K 57 KF 57 KA 57 KAF 57	Y..100L ₁ -4 AM100 AD3
222	129	6.57	5700	2.70		
310	92	4.69	5270	3.20		
74.0	385	19.58	4450	1.05	K 47 KF 47 KA 47 KAF 47	Y..100L ₁ -4 AM100 AD2
86.0	330	16.86	4500	1.15		
92.0	310	15.86	4510	1.2		
107	265	13.65	4500	1.35		
119	240	12.19	4480	1.45		
124	230	11.77	4360	1.20		
138	205	10.56	4340	1.35		
160	179	9.1	4280	1.55		
170	168	8.56	4250	1.60	K 47 KF 47 KA 47 KAF 47	Y..100L ₁ -4 AM100 AD3
198	145	7.36	4160	1.70		
221	130	6.58	4090	1.85		
250	114	5.81	4000	2.00		
314	91	4.64	3830	2.20		
163	176	8.91	2020	0.90	K 37 KF 37 KA 37 KAF 37	Y..100L ₁ -4 AM100 AD2
183	157	7.96	2050	1.00		
214	134	6.8	2080	1.10		
229	125	6.37	2090	1.15		
271	106	5.36	2090	1.35		
366	78	3.98	2040	1.60		
P ₁ =4.0kw						
1.80	19500	835	190000	2.60	K 187 RF107 KH 187 RF107	Y..112M-4 AM112 AD5
2.80	12200	520	190000	4.10		
0.58	60400	2519	190000	0.85	K 187 RF97 KH 187 RF97	Y..112M-4 AM112 AD5
0.64	54200	2268	190000	0.90		
0.71	49000	2054	190000	1.00		
0.80	43300	1821	190000	1.15		
0.91	38300	1605	190000	1.30		
1.00	32800	1395	190000	1.50		
1.20	28400	1196	190000	1.75		
1.40	24800	1046	190000	2.00		
1.50	22400	945	190000	2.20		
1.00	33900	1408	150000	0.95	K 167 RF97 KH 167 RF97	Y..112M-4 AM112 AD4
1.10	31100	1296	150000	1.05	K 167 RF97 KH 167 RF97	Y..112M-4 AM112 AD5
1.30	26100	1101	150000	1.20		
1.60	22500	944	150000	1.40		
1.70	19800	843	150000	1.60		
1.90	17900	757	150000	1.80		
2.30	15000	632	150000	2.10		
1.70	20300	854	110900	0.90	K 157 RF97 KF 157 RF97 KA 157 RF97 KAF157 RF97	Y..112M-4 AM112 AD5
1.90	17800	756	112300	1.00		
2.60	13400	567	114200	1.35		
2.90	11900	504	114700	1.50		
3.40	10200	434	115200	1.75		
2.70	12800	536	79300	1.00	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..112M-4 AM112 AD4
3.10	11200	473	80100	1.15		
3.50	10100	418	80600	1.30		
4.00	8830	367	81200	1.45	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..112M-4 AM112 AD5
4.40	7930	330	81500	1.65		
5.10	6820	287	81800	1.90		
5.80	6030	253	82100	2.20		
2.40	14700	610	76500	0.90	K 127 RF77 KF 127 RF77 KA 127 RF77 KAF127 RF77	Y..112M-4 AM112 AD4
2.70	13200	549	79000	1.00		
3.10	11500	477	80000	1.15		
3.50	10100	418	80600	1.30		
4.00	8800	364	65000	0.90	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..112M-4 AM112 AD4
4.60	7690	318	65000	1.05		
5.10	6920	286	65000	1.15		
5.80	6060	251	65000	1.30		
6.60	5340	222	65000	1.50		
7.40	4730	196	65000	1.70		
8.40	4230	174	65000	1.70		
9.50	3740	154	65000	1.90		
10.0	3400	140	65000	2.10		
7.30	4880	199	40000	0.90	K 97 RF57 KF 97 RF57 KA 97 RF57 KAF 97 RF57	Y..112M-4 AM112 AD3

K



n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=4.0kw						
6.60	5810	146.07	82100	2.20	K 127	Y..132M-6 AM132 AD4
7.00	5410	136.14	82200	2.40	KF 127	
7.80	4870	122.48	82300	2.70	KA 127	
8.70	4380	110.18	82400	3.00	KAF 127	
6.70	5700	143.47	65000	1.40	K 107	Y..132M-6 AM132 AD4
7.90	4830	121.46	65000	1.65	KF 107	
8.50	4470	112.41	65000	1.80	KA 107	
9.50	4000	100.75	65000	2.00	KAF 107	
11.0	3610	90.96	65000	2.20		
10.0	3750	143.47	65000	2.10		Y..112M-4 AM112 AD4
12.0	3170	121.46	65000	2.50	K 107	
13.0	2940	112.41	65000	2.70	KF 107	
14.0	2630	100.75	65000	3.00	KA 107	
16.0	2370	90.96	65000	3.40	KAF 107	
18.0	2160	82.61	65000	3.70		
20.0	1910	73.3	65000	4.20		
9.50	4000	153.21	40000	1.05		Y..112M-4 AM112 AD3
10.0	3670	140.28	40000	1.15	K 97	
12.0	3240	123.93	40000	1.35	KF 97	
14.0	2750	105.13	40000	1.55	KA 97	
15.0	2530	96.8	40000	1.70	KAF 97	
17.0	2260	86.52	40000	1.90		
19.0	2030	77.89	40000	2.10		
21.0	1840	70.54	40000	2.30		
13.0	3030	115.82	26800	0.90	K 87	Y..112M-4 AM112 AD2
14.0	2680	102.71	27300	1.00	KF 87	
17.0	2250	86.34	27800	1.20	KA 87	
18.0	2070	79.34	28000	1.30		Y..112M-4 AM112 AD3
21.0	1840	70.46	28200	1.45	K 87	
23.0	1640	63.00	28400	1.65	KF 87	
26.0	1480	56.64	28500	1.80	KA 87	
30.0	1280	49.16	28600	2.10	KAF 87	
33.0	1150	44.02	28200	2.30		
40.0	950	36.52	27200	2.60		
23.0	1690	64.75	14300	0.90	K 77	Y..112M-4 AM112 AD2
25.0	1520	58.34	15500	1.00	KF 77	
29.0	1330	51.18	16700	1.15	KA 77	
32.0	1180	45.16	17500	1.30	KAF 77	
36.0	1040	40.04	18100	1.50	K 77	Y..112M-4 AM112 AD3
38.0	1000	38.39	18300	1.50	KF 77	
41.0	920	35.2	18600	1.70	KA 77	
47.0	800	30.89	19000	1.90	KAF 77	
50.0	765	29.27	19100	2.00	K 77	Y..112M-4 AM112 AD4
57.0	670	25.62	19300	2.30	KF 77	
63.0	600	23.08	19500	2.60	KA 77	
72.0	525	20.25	19600	2.80	KAF 77	

n	M ₁	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P ₁ =4.0kw						
48.0	790	30.22	10600	1.05		Y..112M-4 AM112 AD3
54.0	710	27.28	11200	1.15		
61.0	625	24	11700	1.25		
64.0	590	22.66	11900	1.30		
76.0	500	19.3	12400	1.50		
83.0	455	17.54	12600	1.60	K 67	
96.0	395	15.19	12800	1.75	KF 67	
110	345	13.22	13000	1.95	KA 67	
117	325	12.48	13000	1.60	KAF 67	
137	275	10.63	13000	1.80		
151	250	9.66	12800	1.90		
175	215	8.37	12400	2.00		
201	190	7.28	12100	2.20		
281	136	5.2	11100	2.60		
61.0	625	24.05	6140	0.95	K 57	Y..112M-4 AM112 AD2
64.0	590	22.71	6170	1.00	KF 57	
76.0	505	19.34	6230	1.15	KA 57	
83.0	455	17.57	6230	1.20	KAF 57	
96.0	395	15.22	6200	1.35		Y..112M-4 AM112 AD3
110	345	13.25	6140	1.45		
122	310	11.92	5800	1.35	K 57	
130	290	11.26	5780	1.40	KF 57	
152	250	9.59	5690	1.60	KA 57	
168	225	8.71	5620	1.70	KAF 57	
193	197	7.55	5500	1.85		
222	172	6.57	5380	2.00		
311	123	4.69	5040	2.40		
P ₁ =5.5kw						
0.80	60200	1821	190000	0.85		Y..132S-4 AM132 AD5
0.91	53200	1605	190000	0.95	K 187 RF97	
1.00	45800	1395	190000	1.10	KH 187 RF97	
1.20	39500	1196	190000	1.25		
1.40	34500	1046	190000	1.45		Y..132S-4 AM132 AD5
1.50	31100	945	190000	1.60	K 187 RF97	
2.00	24300	738	190000	2.00	KH 187 RF97	
2.30	20400	621	190000	2.40		
1.30	36300	1101	150000	0.90		Y..132S-4 AM132 AD5
1.50	31200	944	150000	1.00		
1.70	27700	843	150000	1.15		
1.90	24900	757	150000	1.30	K 167 RF97	
2.30	20800	632	150000	1.55	KH 167 RF97	
2.60	18300	561	150000	1.75		
3.00	15800	481	150000	2.00		
3.40	13800	423	150000	2.30		
2.20	21500	661	110200	0.85		Y..132S-4 AM132 AD5
2.60	18700	567	111800	0.95	K 157 RF97	
2.90	16600	504	112800	1.10	KF 157 RF97	
3.40	14200	434	113900	1.25	KA 157 RF97	
3.80	12300	379	114600	1.45	KAF157 RF97	
4.40	10900	333	115000	1.65		

K SERIES



n	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P_i=5.5kw						
3.50	14000	418	77900	0.95	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..132S-4 AM132 AD4
4.00	12200	367	79600	1.05	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..132S-4 AM132 AD5
4.40	10900	330	80200	1.20		
5.10	9480	287	80900	1.35		
5.70	8380	253	81300	1.55		
6.80	7040	213	81800	1.85		
7.30	6710	200	81900	1.80		
8.80	5550	166	82200	2.20	K 107 RF77 KF 107 RF77 KA 107 RF77 KAF107 RF77	Y..132S-4 AM132 AD4
9.90	4900	147	82300	2.40		
6.60	7400	222	65000	1.10		
7.40	6550	196	65000	1.20		
8.40	5860	174	65000	1.25		
9.40	5190	154	65000	1.40		
10.0	4710	140	65000	1.55	K 127 KF 127 KA 127 KAF127	Y..132M-6 AM132 AD4
7.10	7400	136.14	81700	1.75		
7.90	6660	122.48	81900	1.95		
8.80	5990	110.18	82100	2.20		
11.0	4890	89.89	82300	2.70	K 107 KF 107 KA 107 KAF107	Y..132M-6 AM132 AD4
8.60	6110	112.41	65000	1.30		
9.60	5480	100.75	65000	1.45		
11.0	4950	90.96	65000	1.60		
12.0	4490	82.61	65000	1.80	K 107 KF 107 KA 107 KAF107	Y..132S-4 AM132 AD4
10.0	5170	143.47	65000	1.55		
12.0	4380	121.46	65000	1.80		
13.0	4050	112.41	65000	1.95		
14.0	3630	100.75	65000	2.20		
16.0	3280	90.96	65000	2.40		
18.0	2980	82.61	65000	2.70	K 97 KF 97 KA 97 KAF 97	Y..132S-4 AM132 AD3
12.0	4470	123.93	40000	0.95		
14.0	3790	105.13	40000	1.15		
15.0	3490	96.8	40000	1.25		
17.0	3120	86.52	40000	1.40		
19.0	2810	77.89	40000	1.55		
21.0	2540	70.54	40000	1.70	K 97 KF 97 KA 97 KAF 97	Y..132S-4 AM132 AD4
23.0	2250	62.55	40000	1.90		
26.0	2040	56.55	39600	2.10		
30.0	1730	47.93	38400	2.50		
17.0	3110	86.34	26700	0.85	K 87 KF 87 KA 87 KAF 87	Y..132S-4 AM132 AD2

n	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P _i =5.5kw						
18.0	2860	79.34	27100	0.95	K 87 KF 87 KA 87 KAF 87	Y..132S-4 AM132 AD3
21.0	2540	70.46	27500	1.05		
23.0	2270	63.00	27400	1.20		
26.0	2040	56.64	27200	1.30		
30.0	1770	49.16	26800	1.50		
33.0	1580	44.02	26500	1.65	K 87 KF 87 KA 87 KAF 87	Y..132S-4 AM132 AD3
40.0	1310	36.52	25800	1.90		
46.0	1130	31.39	25100	2.40		
52.0	1000	27.88	24600	2.60		
32.0	1630	45.16	14800	0.95	K 77 KF 77 KA 77 KAF 77	Y..132S-4 AM132 AD2
36.0	1440	40.04	16100	1.05		
47.0	1110	30.89	17800	1.40		
50.0	1050	29.27	18100	1.45		
57.0	920	25.62	18600	1.70	K 77 KF 77 KA 77 KAF 77	Y..132S-4 AM132 AD4
63.0	830	23.08	18900	1.85		
72.0	730	20.25	19200	2.00		
81.0	640	17.87	19400	2.20		
92.0	570	15.84	19100	2.40		
108	485	13.52	18500	2.80		
61.0	860	24	9880	0.90	K 67 KF 67 KA 67 KAF 67	Y..132S-4 AM132 AD3
64.0	810	22.66	10300	0.95		
75.0	695	19.3	11300	1.10		
83.0	630	17.54	11700	1.15		
96.0	545	15.19	12200	1.30		
110	475	13.22	12500	1.40		
117	450	12.48	12600	1.20		
137	380	10.63	12400	1.30	K 67 KF 67 KA 67 KAF 67	Y..132S-4 AM132 AD3
151	345	9.66	12200	1.40		
174	300	8.37	11900	1.45		
200	260	7.28	11600	1.60		
280	188	5.2	10800	1.85		
P _i =7.5kw						
1.80	37100	835	190000	1.35	K 187 RF107 KH 187 RF107	Y..132M-4 AM132 AD5
2.00	32200	729	190000	1.55	K 187 RF107 KH 187 RF107	Y..132M-4 AM132 AD6
2.40	27400	622	190000	1.80		

K

n _i	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P _i =7.5kw						
1.20	53600	1196	190000	0.95	K 187 RF97 KH 187 RF97	Y..132M-4 AM132 AD5
1.40	46800	1046	190000	1.05		
1.60	42300	945	190000	1.20		
2.00	33000	738	190000	1.50		
2.40	27700	621	190000	1.80		
2.80	23400	527	190000	2.10		
1.70	37600	843	150000	0.85	K 167 RF97 KH 167 RF97	Y..132M-4 AM132 AD5
1.90	33800	757	150000	0.95		
2.30	28300	632	150000	1.15		
2.60	24900	561	150000	1.30		
3.10	21500	481	150000	1.50		
3.50	18800	423	150000	1.70		
4.00	16400	369	150000	1.95	K 167 RF97 KH 167 RF97	Y..132M-4 AM132 AD5
3.40	19300	434	111500	0.95	K 157 RF97	Y..132M-4 AM132 AD5
3.90	16800	379	112700	1.05	KF 157 RF97	
4.40	14800	333	113600	1.20	KA 157 RF97	
5.00	12900	291	114400	1.40	KAF157 RF97	
4.40	14800	330	76200	0.85	K 127 RF87 KF 127 RF87 KA 127 RF87 KAF127 RF87	Y..132M-4 AM132 AD5
5.10	12800	287	79300	1.00		
5.80	11300	253	80000	1.15		
6.90	9550	213	80900	1.35		
7.30	9100	200	81100	1.30		
8.80	7530	166	81600	1.60		
10.0	6640	147	81900	1.80		
10.0	7110	146.07	81700	1.85	K 127	Y..132M-4 AM132 AD4
11.0	6630	136.14	81900	1.95	KF 127	
12.0	5960	122.48	82100	2.20	KA 127	
13.0	5360	110.18	82200	2.40	KAF127	
16.0	4370	89.89	82400	3.00	K 127	Y..132M-4 AM132 AD5
18.0	3990	81.98	82500	3.20	KF 127	
21.0	3450	70.95	82600	3.80	KA 127	
					KAF127	
10.0	6990	143.47	65000	1.15	K 107 KF 107 KA 107 KAF107	Y..132M-4 AM132 AD4
12.0	5910	121.46	65000	1.35		
13.0	5470	112.41	65000	1.45		
15.0	4900	100.75	64900	1.65		
16.0	4430	90.96	63900	1.80		
18.0	4020	82.61	62900	2.00		
20.0	3570	73.3	61600	2.20		
22.0	3240	66.52	60500	2.50		
26.0	2780	57.17	58800	2.90		
29.0	2430	49.9	57100	3.20		
35.0	2060	42.33	55100	3.60	K 107	Y..132M-4 AM132 AD5
40.0	1800	37.00	53500	4.00	KF 107	
					KA 107 KAF107	

n _i [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration		
P _i =7.5kw								
15.0	4710	96.8	38300	0.90	K 97 KF 97 KA 97 KAF 97	Y..132M-4 AM132 AD3		
17.0	4210	86.52	38300	1.00				
19.0	3790	77.89	38100	1.15				
21.0	3430	70.54	37800	1.25				
15.0	4710	96.8	38300	0.90				
17.0	4210	86.52	38300	1.00				
19.0	3790	77.89	38100	1.15				
21.0	3430	70.54	37800	1.25				
24.0	3040	62.55	37400	1.40	K 97 KF 97 KA 97 KAF 97	Y..132M-4 AM132 AD4		
26.0	2750	56.55	37000	1.55				
31.0	2330	47.93	36200	1.85				
35.0	2030	41.87	35500	2.10				
38.0	1860	38.3	35000	2.30	K 97 KF 97 KA 97 KAF 97	Y..132M-4 AM132 AD5		
43.0	1660	34.23	34300	2.60				
23.0	3060	63.00	24100	0.90	K 87 KF 87 KA 87 KAF 87	Y..132M-4 AM132 AD3		
26.0	2750	56.64	24200	1.00				
30.0	2390	49.16	24200	1.15				
33.0	2140	44.02	24100	1.20				
40.0	1770	36.52	23800	1.40				
47.0	1520	31.39	23400	1.75	K 87 KF 87 KA 87 KAF 87	Y..132M-4 AM132 AD4		
53.0	1350	27.88	23100	1.90				
59.0	1210	24.92	22700	2.10				
66.0	1090	22.41	22400	2.10				
76.0	940	19.45	21800	2.40				
84.0	840	17.42	21400	2.60				
92.0	775	16	20500	2.30				
102	700	14.45	20600	3.00				
48.0	1500	30.89	15700	1.05			K 77 KF 77 KA 77 KAF 77	Y..132M-4 AM132 AD3
50.0	1420	29.27	16200	1.10			K 77 KF 77 KA 77 KAF 77	Y..132M-4 AM132 AD4
57.0	1240	25.62	17200	1.25				
64.0	1120	23.08	17800	1.40				
73.0	980	20.25	18400	1.50				
82.0	870	17.87	18500	1.65				
93.0	770	15.84	18100	1.80				
109	655	13.52	17700	2.00				
119	600	12.36	17000	1.65				
136	525	10.84	16600	1.90				
154	465	9.56	16200	2.00				
173	410	8.48	15800	2.20				
203	350	7.24	15300	2.30				
P _i =11.0kw								
1.80	54600	835	190000	0.90	K 187 RF107 KH 187 RF107	Y..160M-4 AM160 AD5		
2.80	34300	520	190000	1.45				
2.00	47500	729	190000	1.05	K 187 RF107 KH 187 RF107	Y..160M-4 AM160 AD6		
2.40	40500	622	190000	1.25				

K SERIES



n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=11.0kw						
3.20	29900	454	190000	1.65	K 187 RF107	Y...160M-4 AM160
4.20	23100	355	190000	2.20	KH 187 RF107	AD6
2.00	48500	738	190000	1.05	K 187 RF97	Y...160M-4 AM160
2.40	40800	621	190000	1.20	KH 187 RF97	AD5
2.80	34500	527	190000	1.45		
4.60	21000	318	150000	1.50	K 167 RF107 KH 167 RF107	Y...160M-4 AM160 AD5
5.30	18200	278	150000	1.75		
6.00	15800	244	150000	2.00	K 167 RF107	Y...160M-4 AM160
6.90	13800	213	150000	2.30	KH 167 RF107	AD6
7.20	13400	206	150000	2.40		
2.60	36600	561	150000	0.85	K 167 RF97	Y...160M-4 AM160
3.10	31600	481	150000	1.00	KH 167 RF97	AD5
3.50	27700	423	150000	1.15		
4.00	24100	369	150000	1.30		
4.40	21800	333	110000	0.80	K 157 RF97	Y...160M-4 AM160
5.10	19000	291	111600	0.95	KF 157 RF97 KA 157 RF97 KAF157 RF97	AD5
6.90	14000	213	77900	0.95	K 127 RF87	Y...160M-4 AM160
7.40	13300	200	79000	0.90	KF 127 RF87	AD5
8.90	11000	166	80200	1.10	KA 127 RF87	
10.0	9760	147	80800	1.25	KAF127 RF87	
9.00	11700	164.5	150000	2.70	K 167 KF 167 KA 167 KAF167	Y...160M-4 AM160 AD5
11.0	9610	134.99	150000	3.30	K 167 KF 167 KA 167 KAF167	Y...160M-4 AM160 AD6
9.80	10700	150.41	115100	1.70	K 157	Y...160M-4 AM160
12.0	8710	122.39	115600	2.10	KF 157	AD5
15.0	7130	100.22	116000	2.50	KA 157	
16.0	6520	91.65	116100	2.80	KAF157	
11.0	9690	136.14	80800	1.35	K 127	Y...160M-4 AM160
12.0	8720	122.48	81200	1.50	KF 127	AD4
13.0	7840	110.18	81500	1.65	KA 127 KAF127	
16.0	6400	89.89	82000	2.00	K 127	Y...160M-4 AM160
18.0	5830	81.98	82100	2.20	KF 127	AD5
21.0	5050	70.95	82300	2.60	KA 127 KAF127	
13.0	8000	112.41	57800	1.00	K 107	Y...160M-4 AM160
15.0	7170	100.75	58200	1.10	KF 107	AD4
16.0	6470	90.96	57900	1.25	KA 107	
18.0	5880	82.61	57400	1.35	KAF107	

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=11.0kw						
20.0	5210	73.3	56700	1.55	K 107	Y...160M-4 AM160
22.0	4730	66.52	56100	1.70	KF 107	AD4
26.0	4070	57.17	54900	1.95	KA 107	
30.0	3550	49.9	53800	2.20	KAF107	
35.0	3010	42.33	52300	2.40	K 107	Y...160M-4 AM160
40.0	2630	37.00	51000	2.70	KF 107 KA 107 KAF107	AD5
21.0	5020	70.54	32300	0.85	K 97 KF 97 KA 97 KAF 97	Y...160M-4 AM160 AD3
24.0	4450	62.55	32500	0.95	K 97	Y...160M-4 AM160
26.0	4020	56.55	32500	1.05	KF 97	AD4
31.0	3410	47.93	32400	1.25	KA 97	
35.0	2980	41.87	32200	1.45	KAF 97	
39.0	2720	38.3	31900	1.60		
43.0	2430	34.23	31600	1.75	K 97	Y...160M-4 AM160
48.0	2190	30.82	31200	1.95	KF 97	AD5
53.0	1980	27.91	30700	2.20	KA 97	
60.0	1760	24.75	30200	2.40	KAF 97	
66.0	1590	22.37	29700	2.70		
34.0	3130	44.02	20100	0.85	K 87	Y...160M-4 AM160
40.0	2600	36.52	20500	0.95	KF 87 KA 87 KAF 87	AD3
47.0	2230	31.39	20600	1.20		
53.0	1980	27.88	20500	1.30		
59.0	1770	24.92	20400	1.40		
66.0	1590	22.41	20300	1.45	K 87	Y...160M-4 AM160
76.0	1380	19.45	20000	1.65	KF 87	AD4
85.0	1230	17.42	19800	1.75	KA 87	
92.0	1130	16	18800	1.60	KAF 87	
102.0	1020	14.45	19300	2.00		
117.0	890	12.56	18900	2.20		
132.0	790	11.17	17900	1.90		
148	710	10	17600	2.10	K 87	Y...160M-4 AM160
178	590	8.29	17000	2.40	KF 87	AD5
205	510	7.21	16600	2.50	KA 87 KAF 87	
64.0	1640	23.08	14700	0.95		
73.0	1440	20.25	16100	1.05		
83.0	1270	17.87	16600	1.15		
93.0	1120	15.84	16500	1.25	K 77	Y...160M-4 AM160
109	960	13.52	16200	1.40	KF 77	AD4
119	870	12.36	15500	1.15	KA 77	
136	770	10.84	15300	1.30	KAF 77	
154	680	9.56	15000	1.40		
174	600	8.48	14800	1.45		
204	515	7.24	14400	1.60		

K

n _i [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =15.0kw						
2.80	47400	520	190000	1.05	K 187 RF107 KH 187 RF107	Y..160L-4 AM160 AD5
2.40	55900	622	190000	0.90	K 187 RF107 KH 187 RF107	Y..160L-4 AM160
3.20	41200	454	190000	1.20		AD6
4.10	31900	355	190000	1.55		
5.60	23700	261	190000	2.10		
4.60	28900	318	150000	1.10	K 167 RF107 KH 167 RF107	Y..160L-4 AM160 AD5
5.30	25200	278	150000	1.25	K 167 RF107 KH 167 RF107	Y..160L-4 AM160
6.00	21800	244	150000	1.45		AD6
6.90	19000	213	150000	1.70		
7.10	18600	206	150000	1.70		
8.10	16000	180	150000	2.00		
9.20	14500	160	150000	2.20		
6.40	20500	230	110800	0.90	K 157 RF107 KF 157 RF107 KA 157 RF107 KAF157 RF107	Y..160L-4 AM160
6.90	19300	213	111500	0.95		AD6
7.80	16600	187	112800	1.10		
9.30	14100	157	113900	1.25		
12.0	11000	122	115000	1.60		
14.0	9670	107	115400	1.85		
8.90	16000	164.5	150000	2.00	K 167 KH 167	Y..160L-4 AM160 AD5
11.0	13100	134.99	150000	2.40	K 167 KH 167	Y..160L-4 AM160 AD6
9.70	14700	150.41	113700	1.20	K 157 KF 157 KA 157 KAF157	Y..160L-4 AM160
12.0	11900	122.39	114700	1.50		AD5
15.0	9790	100.22	114100	1.85		
16.0	8960	91.65	112400	2.00		
18.0	7790	79.75	109500	2.30		
11.0	13300	136.14	79000	1.00	K 127 KF 127 KA 127 KAF127	Y..160L-4 AM160
12.0	11900	122.48	79700	1.10		AD4
13.0	10700	110.18	80300	1.20		
16.0	8780	89.89	81200	1.50		
18.0	8010	81.98	81500	1.60	K 127 KF 127 KA 127 KAF127	Y..160L-4 AM160
21.0	6930	70.95	81500	1.85		AD5
23.0	6120	62.6	79900	2.10		
27.0	5280	54.07	77900	2.50		
31.0	4670	47.82	76200	2.80		
16.0	8890	90.96	48200	0.90	K 107 KF 107 KA 107 KAF107	Y..160L-4 AM160
18.0	8070	82.61	49400	1.00		AD4
20.0	7160	73.3	50500	1.10		
22.0	6500	66.52	51000	1.25		
26.0	5590	57.17	50600	1.45		
29.0	4870	49.9	50000	1.60		

n _i [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P _i =15.0kw						
35.0	4130	42.33	49100	1.80	K 107	Y..160L-4
40.0	3610	37.00	48200	2.00	KF 107	AM160
45.0	3190	32.69	47300	2.20	KA 107	AD5
47.0	3050	31.28	46900	2.20	KAF107	
51.0	2830	29	46300	2.50	K 107 KF 107 KA 107 KAF107	Y..160L-4 AM160 AD6
31.0	4680	47.93	28100	0.90	K 97	Y..160L-4
35.0	4090	41.87	28400	1.05	KF 97 KA 97 KAF 97	AM160 AD4
38.0	3740	38.3	28500	1.15	K 97	Y..160L-4
43.0	3340	34.23	28500	1.30	KF 97	AM160
48.0	3010	30.82	28400	1.45	KA 97	AD5
53.0	2720	27.91	28200	1.60	KAF 97	
59.0	2410	24.75	28000	1.80	K 97	Y..160L-4
65.0	2180	22.37	27700	1.95	KF 97	AM160
77.0	1850	18.96	27200	2.30	KA 97	AD5
88.0	1610	16.56	26600	2.70	KAF 97	
47.0	3060	31.39	17300	0.90	K 87 KF 87 KA 87 KAF 87	Y..160L-4
53.0	2720	27.88	17600	0.95		AM160
59.0	2430	24.92	17800	1.05		AD4
65.0	2190	22.41	18000	1.05		
75.0	1900	19.45	18000	1.20		
84.0	1700	17.42	18000	1.30		
92.0	1560	16	16800	1.15		
101	1410	14.45	17800	1.50		
117	1220	12.56	17600	1.65		
131	1090	11.17	16600	1.35		
147	970	10	16400	1.55	K 87	Y..160L-4
177	810	8.29	16000	1.75	KF 87	AM160
203	705	7.21	15700	1.85	KA 87 KAF 87	AD5
P _i =18.5kw						
2.80	58500	520	190000	0.85	K 187 RF107 KH 187 RF107	Y..180M-4 AM180 AD5
3.20	51000	454	190000	1.00	K 187 RF107 KH 187 RF107	Y..180M-4 AM180
4.10	39400	355	190000	1.25		AD6
5.60	29300	261	190000	1.70		
6.60	24800	221	190000	2.00		
4.60	35800	318	150000	0.90	K 167 RF107 KH 167 RF107	Y..180M-4 AM180 AD5
5.30	31200	278	150000	1.00	K 167 RF107 KH 167 RF107	Y..180M-4 AM180
6.00	27000	244	150000	1.20		AD6
6.90	23600	213	150000	1.35		
7.10	23000	206	150000	1.40		

K SERIES



n ₁ [1/min]	M ₁ [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=18.5kw						
8.10	19900	180	150000	1.60	K 167 RF107	Y..180M-4 AM180 AD6
9.20	17900	160	150000	1.80	KH 167 RF107	
11.0	15100	135	150000	2.10	K 167 RF107	Y..180M-4 AM180 AD6
12.0	13200	118	150000	2.40	KH 167 RF107	
7.80	20600	187	110700	0.85	K 157 RF107	Y..180M-4 AM180 AD6
9.30	17500	157	112400	1.05	KF 157 RF107	
12.0	13700	122	113900	1.30	KA 157 RF107	
14.0	11900	107	112000	1.50	KAF157 RF107	
8.20	21600	179.86	190000	2.30	K 187	Y..180M-4 AM180 AD6
8.90	19900	165.21	190000	2.50	KH 187	
10.0	17400	144.59	190000	2.90		
11.0	15600	129.69	190000	3.20	K 187 KH 187	Y..180M-4 AM180 AD7
11.0	16200	134.99	150000	1.95	K 167	Y..180M-4 AM180 AD6
13.0	13200	109.83	150000	2.40	KH 167	
17.0	10500	87.86	150000	3.00	K 167 KH 167	Y..180M-4 AM180 AD7
12.0	14700	122.39	111600	1.20	K 157	Y..180M-4 AM180 AD5
15.0	12000	100.22	109100	1.50	KF 157	
16.0	11000	91.65	107800	1.65	KA 157	
18.0	9610	79.75	105600	1.85	KAF157	
21.0	8480	70.38	103400	2.10		
24.0	7350	61.02	100700	2.40		
27.0	6540	54.29	98500	2.80	K 157 KF 157 KA 157 KAF157	Y..180M-4 AM180 AD6
31.0	5640	46.79	95500	3.20	K 157	Y..180M-4 AM180 AD7
39.0	4580	38.02	91300	3.90	KF 157 KA 157 KAF157	
13.0	13200	110.18	79000	1.00	K 127 KF 127 KA 127 KAF127	Y..180M-4 AM180 AD4
16.0	10800	89.89	79000	1.20	K 127	Y..180M-4 AM180 AD5
18.0	9880	81.98	78500	1.30	KF 127	
21.0	8550	70.95	77500	1.50	KA 127	
23.0	7540	62.6	76400	1.70	KAF127	
27.0	6510	54.07	74800	2.00	K 127	Y..180M-4 AM180 AD5
31.0	5760	47.82	73400	2.20	KF 127 KA 127 KAF127	
36.0	4840	40.19	71300	2.70	K 127 KF 127 KA 127 KAF127	Y..180M-4 AM180 AD6
40.0	4370	36.25	69900	3.00	K 127	Y..180M-4 AM180 AD7
47.0	3780	31.37	68000	3.40	KF 127	
53.0	3330	27.68	66200	3.90	KA 127 KAF127	
20.0	8830	73.3	42700	0.90	K 107	Y..180M-4 AM180 AD4
22.0	8020	66.52	44200	1.00	KF 107	
26.0	6890	57.17	45800	1.15	KA 107	
29.0	6010	49.9	46600	1.30	KAF107	
35.0	5100	42.33	46300	1.45	K 107	Y..180M-4 AM180 AD5
40.0	4460	37.00	45700	1.60	KF 107	
45.0	3940	32.69	45100	1.85	KA 107	
47.0	3770	31.28	44800	1.80	KAF107	
51.0	3490	29	44400	2.10	K 107	Y..180M-4 AM180 AD6
56.0	3170	26.32	43800	2.30	KF 107	
65.0	2720	22.62	42700	2.60	KA 107	
74.0	2380	19.74	41700	3.00	KAF107	
88.0	2010	16.75	40400	3.50		
35.0	5040	41.87	25100	0.85	K 97 KF 97 KA 97 KAF 97	Y..180M-4 AM180 AD4
48.0	3710	30.82	26000	1.15	K 97	Y..180M-4 AM180 AD5
53.0	3360	27.91	26000	1.30	KF 97	
59.0	2980	24.75	26000	1.45	KA 97	
65.0	2690	22.37	25900	1.60	KAF 97	
77.0	2280	18.96	25700	1.90	K 97	Y..180M-4 AM180 AD5
88.0	1990	16.56	25300	2.20	KF 97 KA 97 KAF 97	
106	1670	13.85	24800	2.60	K 97 KF 97 KA 97 KAF 97	Y..180M-4 AM180 AD6
59.0	3000	24.92	15600	0.85	K 87	Y..180M-4 AM180 AD4
65.0	2700	22.41	15900	0.85	KF 87	
75.0	2340	19.45	16200	1.00	KA 87	
84.0	2090	17.42	16400	1.05	KAF 87	
101	1740	14.45	16500	1.20		
117	1510	12.56	16400	1.30		
131	1340	11.17	15400	1.10		

K

n	M _i	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P₁=18.5kw						
147	1200	10	15300	1.25	K 87	Y..180M-4
177	1000	8.29	15100	1.40	KF 87	AM180
203	860	7.21	14900	1.50	KA 87	AD5
					KAF 87	
P₁=22kw						
3.20	60400	454	190000	0.85		
4.20	46700	355	190000	1.05		
5.60	34700	261	190000	1.45	K 187 RF107	Y..180L-4
6.70	29400	221	190000	1.70	KH 187 RF107	AM180
7.60	25600	193	190000	1.95		AD6
9.00	21600	163	190000	2.30		
5.30	36900	278	150000	0.85		
6.00	32000	244	150000	1.00		
6.90	27900	213	150000	1.15		
7.20	27200	206	150000	1.15	K 167 RF107	Y..180L-4
8.20	23500	180	150000	1.35	KH 167 RF107	AM180
9.20	21200	160	150000	1.50		AD6
11.0	17900	135	150000	1.80		
12.0	15600	118	150000	2.00		
9.40	20700	157	109400	0.85	K 157 RF107	Y..180L-4
12.0	16200	122	108100	1.10	KF 157 RF107	AM180
14.0	14100	107	106900	1.25	KA 157 RF107	AD6
					KA 157 RF107	
8.20	25600	179.86	190000	1.95	K 187	Y..180L-4
8.90	23500	165.21	190000	2.10	KH 187	AM180
10.0	20500	144.59	190000	2.40		AD6
11.0	18400	129.69	190000	2.70		
					K 187	Y..180L-4
					KH 187	AM180
						AD7
11.0	19200	134.99	150000	1.65	K 167	Y..180L-4
13.0	15600	109.83	150000	2.00	KH 167	AM180
						AD6
17.0	12500	87.86	150000	2.60	K 167	Y..180L-4
19.0	11100	78.14	150000	2.90	KH 167	AM180
						AD7
12.0	17400	122.39	105500	1.05		
15.0	14200	100.22	104000	1.25	K 157	Y..180L-4
16.0	13000	91.65	103200	1.40	KF 157	AM180
18.0	11300	79.75	101500	1.60	KA 157	AD5
21.0	10000	70.38	99700	1.80	KAF157	
24.0	8690	61.02	97600	2.10		
27.0	7730	54.29	95700	2.30		
					K 157	Y..180L-4
					KF 157	AM180
					KA 157	AD6
					KAF157	
32.0	6660	46.79	93100	2.70	K 157	Y..180L-4
39.0	5410	38.02	89300	3.30	KF 157	AM180
					KA 157	AD7
					KAF157	

n	M _i	i	Fr	K	Frame size	Input Configuration
[1/min]	[Nm]		[N]			
P₁=22kw						
16.0	12800	89.89	73900	1.00		
18.0	11600	81.98	73800	1.10	K 127	Y..180L-4
21.0	10100	70.95	73400	1.30	KF 127	AM180
24.0	8910	62.6	72700	1.45	KA 127	AD5
27.0	7700	54.07	71700	1.70	KAF127	
31.0	6810	47.82	70600	1.90		
37.0	5720	40.19	68900	2.30		
					K 127	Y..180L-4
					KF 127	AM180
					KA 127	AD6
					KAF127	
41.0	5160	36.25	67800	2.50	K 127	Y..180L-4
47.0	4460	31.37	66100	2.90	KF 127	AM180
53.0	3940	27.68	64500	3.30	KA 127	AD7
62.0	3400	23.91	62700	3.80	KAF127	
70.0	3010	21.15	61100	4.30		
					K 127	Y..180L-4
					KF 127	AM180
					KA 127	AD8
					KAF127	
26.0	8140	57.17	39800	1.00	K 107	Y..180L-4
30.0	7100	49.9	41600	1.10	KF 107	AM180
					KA 107	AD4
					KAF107	
35.0	6020	42.33	42900	1.20	K 107	Y..180L-4
40.0	5260	37.00	43200	1.35	KF 107	AM180
45.0	4650	32.69	42900	1.55	KA 107	AD5
47.0	4450	31.28	42700	1.55	KAF107	
51.0	4120	29	42400	1.75	K 107	Y..180L-4
56.0	3740	26.32	42000	1.90	KF 107	AM180
65.0	3220	22.62	41200	2.20	KA 107	AD6
75.0	2810	19.74	40400	2.60	KAF107	
88.0	2380	16.75	39300	3.00		
101	2080	14.64	38300	3.30	K 107	Y..180L-4
110	1910	13.43	36700	2.20	KF 107	AM180
126	1660	11.73	35800	2.60	KA 107	AD6
148	1410	9.94	34700	3.00	KAF107	
48.0	4380	30.82	23500	1.00		
53.0	3970	27.91	23800	1.10		
60.0	3520	24.75	24100	1.20	K 97	Y..180L-4
66.0	3180	22.37	24200	1.35	KF 97	AM180
78.0	2700	18.96	24100	1.60	KA 97	AD5
89.0	2350	16.56	24000	1.80	KAF 97	
106	1970	13.85	23700	2.20		
123	1700	11.99	23300	2.30		
					K 97	Y..180L-4
					KF 97	AM180
					KA 97	AD6
					KAF 97	

K SERIES



n	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P ₁ =22kw						
142	1480	10.41	21800	1.95	K 97 KF 97 KA 97 KAF 97	Y..180L-4 AM180 AD5
169	1240	8.71	21300	2.20	K 97 KF 97 KA 97 KAF 97	Y..180L-4 AM180 AD6
76.0	2760	19.45	14500	0.85	K 87 KF 87 KA 87 KAF 87	Y..180L-4 AM180 AD4
85.0	2470	17.42	14800	0.90		
102	2050	14.45	15200	1.00		
117	1780	12.56	15300	1.10		
132	1580	11.17	14200	0.95		
148	1420	10	14200	1.05	K 87 KF 87 KA 87 KAF 87	Y..180L-4 AM180 AD5
178	1180	8.29	14300	1.20		
205	1020	7.21	14200	1.25		
P ₁ =30kw						
5.60	47400	261	190000	1.05	K 187 RF107 KH 187 RF107	Y..200L-4 AM200 AD6
6.70	40200	221	190000	1.25		
7.60	35100	193	190000	1.40		
9.00	29600	163	190000	1.70		
6.90	38200	213	150000	0.85	K 167 RF107 KH 167 RF107	Y..200L-4 AM200 AD6
7.20	37300	206	150000	0.85		
8.20	32300	180	150000	1.00		
9.20	29000	160	150000	1.10		
11.0	24500	135	150000	1.30		
12.0	21400	118	150000	1.50	K 187 KF 187 KA 187 KAF 187	Y..200L-4 AM200 AD6
8.20	34900	179.86	190000	1.45		
8.90	32000	165.21	190000	1.55		
10.0	28000	144.59	190000	1.80		
11.0	25100	129.69	190000	2.00	K 187 KF 187 KA 187 KAF 187	Y..200L-4 AM200 AD7
13.0	21800	112.6	190000	2.30		
14.0	19800	102.16	190000	2.50		
17.0	17000	88	190000	2.90		
13.0	21300	109.83	150000	1.50	K 167 KF 167 KA 167 KAF 167	Y..200L-4 AM200 AD6
17.0	17000	87.86	150000	1.90		
19.0	15100	78.14	150000	2.10		
22.0	13200	68.07	150000	2.40		
24.0	11700	60.74	150000	2.70	K 167 KF 167 KA 167 KAF 167	Y..200L-4 AM200 AD7

n	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P ₁ =30kw						
15.0	19400	100.22	92700	0.90	K 157 KF 157 KA 157 KAF 157	Y..200L-4 AM200 AD5
16.0	17800	91.65	92800	1.00		
18.0	15400	79.75	92400	1.15		
21.0	13600	70.38	91800	1.30		
24.0	11800	61.02	90700	1.50	K 157 KF 157 KA 157 KAF 157	Y..200L-4 AM200 AD6
27.0	10500	54.29	89500	1.70		
32.0	9080	46.79	87800	2.00		
39.0	7380	38.02	85000	2.40		
47.0	6070	31.3	82100	3.00	K 157 KF 157 KA 157 KAF 157	Y..200L-4 AM200 AD8
21.0	13700	70.95	64200	0.95		
24.0	12100	62.6	64600	1.05		
27.0	10500	54.07	64700	1.25		
31.0	9280	47.82	64400	1.40	K 127 KF 127 KA 127 KAF 127	Y..200L-4 AM200 AD5
37.0	7800	40.19	63700	1.65		
41.0	7030	36.25	63100	1.85		
47.0	6090	31.37	62000	2.10		
53.0	5370	27.68	61000	2.40	K 127 KF 127 KA 127 KAF 127	Y..200L-4 AM200 AD7
62.0	4640	23.91	59600	2.80		
35.0	8220	42.33	32500	0.90		
40.0	7180	37.00	34700	1.00		
47.0	6070	31.28	36600	1.10	K 107 KF 107 KA 107 KAF 107	Y..200L-4 AM200 AD5
51.0	5630	29	37200	1.30		
56.0	5100	26.32	37700	1.40		
65.0	4390	22.62	37700	1.65		
75.0	3830	19.74	37400	1.90	K 107 KF 107 KA 107 KAF 107	Y..200L-4 AM200 AD6
88.0	3250	16.75	36700	2.20		
101	2840	14.64	36100	2.40		
110	2600	13.43	34400	1.65		
126	2270	11.73	33800	1.90		
148	1930	9.94	32900	2.20		
170	1680	8.69	32200	2.40		
60.0	4800	24.75	19600	0.90		
66.0	4340	22.37	20100	1.00	K 97 KF 97 KA 97 KAF 97	Y..200L-4 AM200 AD5
78.0	3680	18.96	20700	1.15		
89.0	3210	16.56	21000	1.35		

K

K

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =30kw						
106	2690	13.85	21200	1.60	K 97 KF 97 KA 97 KAF 97	Y..200L-4 AM200 AD6
123	2320	11.99	21100	1.65		
142	2020	10.41	19500	1.40	K 97 KF 97 KA 97 KAF 97	Y..200L-4 AM200 AD5
169	1690	8.71	19400	1.55	K 97 KF 97 KA 97 KAF 97	Y..200L-4 AM200 AD6
P ₁ =37kw						
5.70	58500	261	190000	0.85	K 187 RF107 KH 187 RF107	Y..225S-4 AM225 AD6
6.70	49600	221	190000	1.00		
7.60	43300	193	190000	1.15		
9.00	36500	163	190000	1.35		
8.20	39800	180	150000	0.80	K 167 RF107 KH 167 RF107	Y..225S-4 AM225 AD6
9.20	35800	160	150000	0.90		
11.0	30300	135	150000	1.05		
12.0	26400	118	150000	1.20		
8.20	43000	179.86	190000	1.15	K 187 KH 187	Y..225S-4 AM225 AD6
8.90	39500	165.21	190000	1.25		
10.0	34500	144.59	190000	1.45		
11.0	31000	129.69	190000	1.60	K 187 KH 187	Y..225S-4 AM225 AD7
13.0	26900	112.6	190000	1.85		
14.0	24400	102.16	190000	2.00		
17.0	21000	88	190000	2.40	K 187 KH 187	Y..225S-4 AM225 AD8
13.0	26200	109.83	150000	1.20	K 167 KH 167	Y..225S-4 AM225 AD6
17.0	21000	87.86	150000	1.50	K 167 KH 167	Y..225S-4 AM225 AD7
19.0	18600	78.14	150000	1.70		
22.0	16200	68.07	150000	1.95		
24.0	14500	60.74	150000	2.20		
29.0	12300	51.77	150000	2.60	K 167 KH 167	Y..225S-4 AM225 AD8
16.0	21900	91.65	83700	0.80	K 157 KF 157 KA 157 KAF 157	Y..225S-4 AM225 AD5
19.0	19000	79.75	84500	0.95		
21.0	16800	70.38	84800	1.05		
24.0	14500	61.02	84600	1.25		

n _i [1/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =37kw						
27.0	12900	54.29	84100	1.40	K 157 KF 157 KA 157 KAF 157	Y..225S-4 AM225 AD6
32.0	11100	46.79	83100	1.60	K 157 KF 157 KA 157 KAF 157	Y..225S-4 AM225 AD7
39.0	9090	38.02	81200	2.00		
47.0	7480	31.3	79000	2.40	K 157 KF 157 KA 157 KAF 157	Y..225S-4 AM225 AD8
24.0	14900	62.6	57500	0.85	K 127 KF 127 KA 127 KAF 127	Y..225S-4 AM225 AD5
27.0	12900	54.07	58500	1.00		
31.0	11400	47.82	59000	1.15		
37.0	9610	40.19	59100	1.35	K 127 KF 127 KA 127 KAF 127	Y..225S-4 AM225 AD6
41.0	8660	36.25	58900	1.50	K 127 KF 127 KA 127 KAF 127	Y..225S-4 AM225 AD7
47.0	7500	31.37	58400	1.75		
53.0	6620	27.68	57800	1.95		
62.0	5710	23.91	56900	2.30		
70.0	5050	21.15	55900	2.60		
83.0	4250	17.77	54500	3.10	K 127 KF 127 KA 127 KAF 127	Y..225S-4 AM225 AD8
103	3430	14.35	52500	3.50		
116	3050	12.79	50200	2.80		
137	2560	10.74	48600	3.10		
170	2070	8.68	46500	3.50		
40.0	8850	37.00	25900	0.80	K 107 KF 107 KA 107 KAF 107	Y..225S-4 AM225 AD5
47.0	7480	31.28	29700	0.90		
51.0	6930	29	31000	1.05		
56.0	6290	26.32	32300	1.15		
65.0	5400	22.62	33700	1.35		
75.0	4720	19.74	34400	1.50	K 107 KF 107 KA 107 KAF 107	Y..225S-4 AM225 AD6
88.0	4000	16.75	34500	1.75		
101	3500	14.64	34100	1.95		
110	3210	13.43	32300	1.35		
126	2800	11.73	31900	1.55		
149	2370	9.94	31400	1.75		
170	2070	8.69	30900	1.95		
P ₁ =45kw						
6.70	60300	221	190000	0.85	K 187 RF107 KH 187 RF107	Y..225M-4 AM225 AD6
7.60	52700	193	190000	0.95		
9.00	44500	163	190000	1.10		

K SERIES



n	M _i	i	Fr	K	Frame size	Input Configuration
[l/min]	[Nm]		[N]			
P₁=45kw						
11.0	36900	135	150000	0.85	K 167 RF107	Y..225M-4
12.0	32200	118	150000	1.00	KH 167 RF107	AM225 AD6
8.20	52200	179.86	190000	0.95	K 187	Y..225M-4
9.00	48000	165.21	190000	1.05	KH 187	AM225 AD6
10.0	42000	144.59	190000	1.20		
11.0	37700	129.69	190000	1.35	K 187	Y..225M-4
13.0	32700	112.6	190000	1.55	KH 187	AM225 AD7
14.0	29700	102.16	190000	1.70		
17.0	25500	88	190000	1.95	K 187	Y..225M-4
20.0	21500	73.96	187500	2.30	KH 187	AM225 AD8
13.0	31900	109.83	150000	1.00	K 167	Y..225M-4
					KH 167	AM225 AD6
17.0	25500	87.86	150000	1.25	K 167	Y..225M-4
19.0	22700	78.14	150000	1.40	KH 167	AM225 AD7
22.0	19700	68.07	150000	1.60		
24.0	17600	60.74	148900	1.80		
29.0	15000	51.77	145200	2.10	K 167	Y..225M-4
34.0	12400	42.89	140500	2.60	KH 167	AM225 AD8
21.0	20400	70.38	76800	0.90	K 157	Y..225M-4
24.0	17700	61.02	77700	1.00	KF 157	AM225 AD5
					KA 157	
					KAF157	
27.0	15700	54.29	77900	1.15	K 157	Y..225M-4
					KF 157	AM225 AD6
					KA 157	
					KAF157	
32.0	13600	46.79	77800	1.30	K 157	Y..225M-4
39.0	11000	38.02	76900	1.65	KF 157	AM225 AD7
					KA 157	
					KAF157	
47.0	9100	31.3	75500	2.00	K 157	Y..225M-4
54.0	8030	27.62	74300	2.20	KF 157	AM225 AD8
62.0	6960	23.95	72800	2.60	KA 157	
69.0	6190	21.31	71400	2.90	KAF157	
80.0	5330	18.37	69600	3.40		
31.0	13900	47.82	52800	0.95	K 127	Y..225M-4
					KF 127	AM225 AD5
					KA 127	
					KAF127	
37.0	11600	40.19	53900	1.10	K 127	Y..225M-4
					KF 127	AM225 AD6
					KA 127	
					KAF127	
P₁=45kw						
41.0	10500	36.25	54200	1.25	K 127	Y..225M-4
47.0	9110	31.37	54400	1.45	KF 127	AM225
53.0	8040	27.68	54200	1.60	KA 127	AD7
62.0	6940	23.91	53800	1.85	KAF127	
70.0	6140	21.15	53200	2.10	K 127	Y..225M-4
83.0	5160	17.77	52200	2.50	KF 127	AM225
103	4170	14.35	50600	2.90	KA 127	AD8
116	3710	12.79	48300	2.30	KAF127	
138	3120	10.74	47000	2.60		
170	2520	8.68	45200	2.90		
51.0	8420	29	22900	0.85	K 107	Y..225M-4
56.0	7640	26.32	25300	0.95	KF 107	AM225
65.0	6570	22.62	28100	1.10	KA 107	AD6
75.0	5730	19.74	29800	1.25	KAF107	
88.0	4860	16.75	31100	1.45		
101	4250	14.64	31700	1.60		
110	3900	13.43	29900	1.10		
126	3400	11.73	29900	1.25		
149	2890	9.94	29600	1.45		
170	2520	8.69	29300	1.60		
P₁=55kw						
10.0	51400	144.59	190000	0.95	K 187	Y..250M-4
					KH 187	AM250 AD6
11.0	46100	129.69	190000	1.10	K 187	Y..250M-4
13.0	40000	112.6	188600	1.25	KH 187	AM250 AD7
14.0	36300	102.16	187100	1.35		
17.0	31300	88	184200	1.60	K 187	Y..250M-4
20.0	26300	73.96	180200	1.90	KH 187	AM250 AD8
23.0	22800	64.04	176300	2.20		
17.0	31200	87.86	145300	1.00	K 167	Y..250M-4
19.0	27800	78.14	144600	1.15	KH 167	AM250 AD7
22.0	24200	68.07	143300	1.30		
24.0	21600	60.74	141700	1.50		
28.0	18400	51.77	139100	1.75	K 167	Y..250M-4
34.0	15200	42.89	135400	2.10	KH 167	AM250 AD8
40.0	13000	36.61	131900	2.40		
24.0	21700	61.02	69000	0.85	K 157	Y..250M-4
					KF 157	AM250
					KA 157	AD5
					KAF157	
27.0	19300	54.29	70200	0.95	K 157	Y..250M-4
					KF 157	AM250
					KA 157	AD6
					KAF157	
32.0	16600	46.79	71200	1.10	K 157	Y..250M-4
39.0	13500	38.02	71500	1.35	KF 157	AM250
					KA 157	AD7
					KAF157	

K

K

n _i [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =55kw						
47.0	11100	31.3	71000	1.60	K 157 KF 157 KA 157 KAF157	Y..250M-4 AM250 AD8
53.0	9830	27.62	70400	1.85		
62.0	8520	23.95	69400	2.10		
69.0	7580	21.31	68400	2.40		
80.0	6530	18.37	67000	2.80		
99.0	5310	14.92	64800	3.40		
117	4500	12.65	62900	3.80		
37.0	14300	40.19	47400	0.90	K 127 KF 127 KA 127 KAF127	Y..250M-4 AM250 AD6
47.0	11100	31.37	49300	1.15	K 127 KF 127 KA 127 KAF127	Y..250M-4 AM250 AD7
53.0	9850	27.68	49700	1.30		
62.0	8510	23.91	49900	1.55		
70.0	7520	21.15	49800	1.75	K 127 KF 127 KA 127 KAF127	Y..250M-4 AM250 AD8
83.0	6320	17.77	49300	2.00		
103	5100	14.35	48300	2.40		
115	4550	12.79	45900	1.85		
137	3820	10.74	45000	2.10		
170	3080	8.68	43600	2.30		
P ₁ =75kw						
11.0	62700	129.69	164100	0.80	K 187 KH 187	Y..280S-4 AM280 AD7
13.0	54400	112.6	166100	0.90		
14.0	49400	102.16	166600	1.00		
17.0	42500	88	166600	1.15	K 187 KH 187	Y..280S-4 AM280 AD8
20.0	35700	73.96	165300	1.40		
23.0	30900	64.04	163400	1.60		
28.0	25800	53.36	160100	1.95		
33.0	22000	45.5	156700	2.30		
19.0	37800	78.14	126200	0.85	K 167 KH 167	Y..280S-4 AM280 AD7
22.0	32900	68.07	127200	0.95		
24.0	29300	60.74	127300	1.10		
29.0	25000	51.77	126800	1.30	K 167 KH 167	Y..280S-4 AM280 AD8
34.0	20700	42.89	125200	1.55		
40.0	17700	36.61	123200	1.80		
46.0	15600	32.25	121300	2.00		
51.0	13900	28.77	119300	2.30		
60.0	11800	24.52	116300	2.70		
39.0	18300	38.02	60800	1.00	K 157 KF 157 KA 157 KAF157	Y..280S-4 AM280 AD7
47.0	15100	31.3	62200	1.20	K 157 KF 157 KA 157 KAF157	Y..280S-4 AM280 AD8
54.0	13300	27.62	62600	1.35		
62.0	11500	23.95	62600	1.55		
69.0	10300	21.31	62400	1.75		
81.0	8880	18.37	61800	2.00		
99.0	7220	14.92	60500	2.50		
117	6120	12.65	59300	2.80		

n _i [l/min]	M _i [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P ₁ =75kw						
47.0	15100	31.37	37900	0.85	K 127 KF 127 KA 127 KAF 127	Y..280S-4 AM280 AD7
53.0	13300	27.68	40800	0.95		
62.0	11500	23.91	42200	1.10		
70.0	10200	21.15	42900	1.25	K 127 KF 127 KA 127 KAF 127	Y..280S-4 AM280 AD8
83.0	8590	17.77	43600	1.50		
103	6940	14.35	43700	1.75		
116	6180	12.79	41100	1.40		
138	5190	10.74	41000	1.55		
171	4190	8.68	40400	1.70		
P ₁ =90kw						
14.0	59300	102.16	151300	0.85	K 187 KH 187	Y..280M-4 AM280 AD7
17.0	51100	88	153400	1.00	K 187 KH 187	Y..280M-4 AM280 AD8
20.0	42900	73.96	154200	1.15		
23.0	37100	64.04	153800	1.35		
28.0	30900	53.36	152200	1.60		
33.0	26400	45.50	149900	1.90		
35.0	24600	42.51	148700	2.00		
38.0	22300	38.57	146900	2.20		
22.0	39500	68.07	115100	0.80	K 167 KH 167	Y..280M-4 AM280 AD7
24.0	35200	60.74	116600	0.90		
29.0	30000	51.77	117600	1.05	K 167 KH 167	Y..280M-4 AM280 AD8
34.0	24900	42.89	117600	1.30		
40.0	21200	36.61	116700	1.50		
46.0	18700	32.25	115500	1.70		
51.0	16700	28.77	114200	1.90		
60.0	14200	24.52	111900	2.20		
73.0	11700	20.32	108800	2.70		
85.0	10000	17.34	106000	3.20		
39.0	22000	38.02	52700	0.80	K 157 KF 157 KA 157 KAF 157	Y..280M-4 AM280 AD7
62.0	13900	23.95	57500	1.30	K 157 KF 157 KA 157 KAF 157	Y..280M-4 AM280 AD8
69.0	12300	21.31	57900	1.45		
81.0	10600	18.37	57900	1.70		
99.0	8660	14.92	57400	2.10		
117	6120	12.65	59300	2.80		
62.0	13800	23.91	35400	0.95	K 127 KF 127 KA 127 KAF 127	Y..280M-4 AM280 AD7
70.0	12200	21.15	37800	1.05	K 127 KF 127 KA 127 KAF 127	Y..280M-4 AM280 AD8
83.0	10300	17.77	39200	1.25		
103	8330	14.35	40200	1.45		
116	7420	12.79	37600	1.15		
138	6230	10.74	38000	1.30		
171	5030	8.68	38000	1.45		

K SERIES



n	M _L	i	Fr	K	Frame size	Input Configuration		
[1/min]	[Nm]		[N]					
P ₁ =110kw								
17.0	62300	88	135900	0.80	K 187 KH 187	Y...315S-4 - AD8		
20.0	52300	73.96	139500	0.95				
23.0	45300	64.04	141000	1.10				
28.0	37700	53.36	141500	1.30				
33.0	32200	45.50	140800	1.55				
35.0	30100	42.51	140200	1.65				
38.0	27300	38.57	139100	1.85				
45.0	23500	33.23	137100	2.10				
53.0	19700	27.92	134100	2.50				
29.0	36600	51.77	105400	0.85	K 167 KH 167	Y...315S-4 - AD8		
35.0	30300	42.89	107500	1.05				
41.0	25900	36.61	108100	1.25				
46.0	22800	32.25	107900	1.40				
52.0	20300	28.77	107400	1.55				
60.0	17300	24.52	106100	1.85				
73.0	14300	20.32	104000	2.20				
86.0	12200	17.34	101800	2.60				
62.0	16900	23.95	50800	1.05			K 157 KF 157 KA 157 KAF157	Y...315S-4 - AD8
70.0	15000	21.31	51800	1.20				
81.0	13000	18.37	52700	1.40				
99.0	10500	14.92	53100	1.70				
117	8960	12.65	53000	1.90				
P ₁ =132kw								
20.0	62700	73.96	123300	0.80	K 187 KH 187	Y...315M-4 - AD8		
23.0	54300	64.04	127000	0.90				
28.0	45200	53.36	129800	1.10				
33.0	38600	45.5	130800	1.30	K 187 KH 187	Y...315M-4 - AD8		
35.0	36000	42.51	130900	1.40				
38.0	32700	38.57	130700	1.55				
45.0	28200	33.23	129800	1.75				
53.0	23700	27.92	127900	2.10				
61.0	20500	24.18	125900	2.30				
74.0	17100	20.15	122800	2.60				
86.0	14500	17.18	119700	2.80				
35.0	36400	42.89	96400	0.90			K 167 KH 167	Y...315M-4 - AD8
41.0	31000	36.61	98600	1.05				
46.0	27300	32.25	99600	1.15				
52.0	24400	28.77	99900	1.30				
61.0	20800	24.52	99800	1.55				
73.0	17200	20.32	98700	1.85				
86.0	14700	17.34	97300	2.20				
P ₁ =160kw								
28.0	54900	53.36	114900	0.90	K 187 KH 187	Y...315L-4 - AD8		
33.0	46800	45.50	118100	1.05				
45.0	34200	33.23	120500	1.45	K 187 KH 187	Y...315L-4 - AD8		
53.0	28700	27.92	120100	1.75				
61.0	24800	24.18	119100	1.90				
74.0	20700	20.15	117200	2.10				
86.0	17600	17.18	114900	2.30	K 167 KH 167	Y...315L-4 - AD8		
41.0	37600	36.61	86500	0.85				
61.0	25200	24.52	91700	1.25				
73.0	20900	20.32	92000	1.55				
86.0	17800	17.34	91600	1.80	K 157 KF 157 KA 157 KAF157	Y...315M-4 - AD8		
81.0	18900	18.37	39800	0.95				
99.0	15300	14.92	42600	1.15				
117	13000	12.65	44100	1.30				
P ₁ =200kw								
33.0	58600	45.50	100000	0.85	K 187 KH 187	Y...315L-4 - AD8		
45.0	42800	33.23	107300	1.15				
53.0	35900	27.92	109000	1.40				
61.0	31100	24.18	109500	1.55				
74.0	25900	20.15	109200	1.70				
86.0	22100	17.18	108100	1.85	K 167 KH 167	Y...315L-4 - AD8		
60.0	31600	24.52	80100	1.00				
73.0	26100	20.32	82400	1.20				
85.0	22300	17.34	83400	1.45	K 157 KF 157 KA 157 KAF157	Y...315L-4 - AD8		
99.0	19200	14.92	34200	0.95				
117	16300	12.65	36900	1.05				

K

4. 8 K../RF..性能参数 / K../RF.. Performance Parameters

n ₂ [1/min]	i	Fr [N]	Frame size	Motor
M _{max} =200Nm				
0.20	6832	5640		
0.23	5922	5640		
0.25	5491	5640		
0.29	4759	5640		
0.33	4160	5640		
0.38	3645	5640		
0.43	3205	5640		
0.49	2801	5640		
0.56	2454	5640		
0.64	2166	5640		
0.73	1891	5640		
0.83	1660	5640	K 37 RF17	Y..63M ₁ -4
0.94	1466	5640	KF 37 RF17	Y..63M ₁ -4
1.10	1288	5640	KA 37 RF17	Y..63M ₁ -4
1.20	1136	5640	KAF 37 RF17	Y..63M ₁ -4
1.40	996	5640		
1.60	876	5640		
1.80	761	5640		
2.10	671	5640		
2.40	585	5640		
2.70	512	5640		
3.10	451	5640		
3.50	396	5640		
4.00	346	5640		
4.50	304	5640		
4.90	267	5640	K 37 RF17	Y..63M ₁ -4
5.60	234	5640	KF 37 RF17	Y..63M ₁ -4
6.40	205	5640	KA 37 RF17	Y..63M ₁ -4
7.30	181	5640	KAF 37 RF17	Y..63M ₁ -4
8.10	160	5640	K 37 RF17	Y..71M ₁ -4
9.50	136	5640	KF 37 RF17	Y..71M ₁ -4
10.0	127	5640	KA 37 RF17	Y..71M ₁ -4
			KAF 37 RF17	Y..71M ₁ -4
12.0	110	5640	K 37 RF17	Y..71M ₁ -4
14.0	96	5640	KF 37 RF17	Y..71M ₁ -4
			KA 37 RF17	Y..71M ₁ -4
			KAF 37 RF17	Y..71M ₁ -4
M _{max} =400Nm				
0.14	10138	5920		
0.16	8534	5920		
0.18	7662	5920		
0.20	6826	5920		
0.23	5983	5920		
0.27	5159	5920	K 47 RF37	Y..63M ₁ -4
0.30	4601	5920	KF 47 RF37	Y..63M ₁ -4
0.35	3940	5920	KA 47 RF37	Y..63M ₁ -4
0.40	3477	5920	KAF 47 RF37	Y..63M ₁ -4
0.45	3043	5920		
0.51	2733	5920		
0.59	2354	5920		
0.67	2063	5920		
0.76	1819	5920		

n ₂ [1/min]	i	Fr [N]	Frame size	Motor
M _{max} =400Nm				
0.87	1586	5920		
0.99	1388	5920		
1.10	1222	5920	K 47 RF37	Y..63M ₁ -4
1.30	1097	5920	KF 47 RF37	Y..63M ₁ -4
1.50	945	5920	KA 47 RF37	Y..63M ₁ -4
1.70	831	5920	KAF 47 RF37	Y..63M ₁ -4
1.90	718	5920		
2.20	639	5920		
2.40	552	5920	K 47 RF37	Y..63M ₁ -4
2.70	495	5920	KF 47 RF37	Y..63M ₁ -4
3.10	426	5920	KA 47 RF37	Y..63M ₁ -4
3.50	375	5920	KAF 47 RF37	Y..63M ₁ -4
4.00	327	5920	K 47 RF37	Y..71M ₁ -4
4.50	289	5920	KF 47 RF37	Y..71M ₁ -4
5.10	256	5920	KA 47 RF37	Y..71M ₁ -4
			KAF 47 RF37	Y..71M ₁ -4
6.20	225	5920	K 47 RF37	Y..71M ₁ -4
7.00	198	5920	KF 47 RF37	Y..71M ₁ -4
			KA 47 RF37	Y..71M ₁ -4
			KAF 47 RF37	Y..71M ₁ -4
8.10	171	5920	K 47 RF37	Y..80M ₁ -4
9.00	153	5920	KF 47 RF37	Y..80M ₁ -4
11.00	131	5920	KA 47 RF37	Y..80M ₁ -4
			KAF 47 RF37	Y..80M ₁ -4
M _{max} =600Nm				
0.11	12169	7630		
0.12	11162	7630		
0.15	9503	7630		
0.16	8547	7630		
0.19	7277	7630		
0.21	6478	7630		
0.24	5662	7630		
0.27	5033	7630		
0.32	4340	7630		
0.36	3854	7630	K 57 RF37	Y..63M ₁ -4
0.41	3390	7630	KF 57 RF37	Y..63M ₁ -4
0.47	2924	7630	KA 57 RF37	Y..63M ₁ -4
0.53	2593	7630	KAF 57 RF37	Y..63M ₁ -4
0.61	2249	7630		
0.70	1986	7630		
0.79	1743	7630		
0.90	1539	7630		
1.00	1354	7630		
1.20	1174	7630		
1.30	1036	7630		
1.50	906	7630		
1.60	806	7630	K 57 RF37	Y..63M ₁ -4
1.90	699	7630	KF 57 RF37	Y..63M ₁ -4
2.20	615	7630	KA 57 RF37	Y..63M ₁ -4
			KAF 57 RF37	Y..63M ₁ -4

K SERIES



n_2 [1/min]	i	Fr [N]	Frame size	Motor
M₁₀₀₀ = 600Nm				
2.40	544	7630	K 57 RF37	Y..71M ₁ -4
2.80	473	7630	KF 57 RF37	Y..71M ₁ -4
3.10	421	7630	KA 57 RF37	Y..71M ₁ -4
			KAF 57 RF37	Y..71M ₁ -4
3.80	362	7630	K 57 RF37	Y..71M ₁ -4
4.30	319	7630	KF 57 RF37	Y..71M ₁ -4
4.90	280	7630	KA 57 RF37	Y..71M ₁ -4
			KAF 57 RF37	Y..71M ₁ -4
5.60	246	7630	K 57 RF37	Y..80M ₁ -4
6.40	215	7630	KF 57 RF37	Y..80M ₁ -4
7.20	192	7630	KA 57 RF37	Y..80M ₁ -4
			KAF 57 RF37	Y..80M ₁ -4
8.60	166	7630	K 57 RF37	Y..80M ₁ -4
9.90	145	7630	KF 57 RF37	Y..80M ₁ -4
			KA 57 RF37	Y..80M ₁ -4
			KAF 57 RF37	Y..80M ₁ -4
11.0	129	7630	K 57 RF37	Y..90S-4
13.0	111	7630	KF 57 RF37	Y..90S-4
15.0	97	7630	KA 57 RF37	Y..90S-4
			KAF 57 RF37	Y..90S-4
M₁₀₀₀ = 820Nm				
0.11	12139	10300		
0.12	11134	10300		
0.15	9479	10300		
0.17	8173	10300		
0.19	7259	10300		
0.21	6462	10300	K 67 RF37	Y..63M ₁ -4
0.24	5648	10300	KF 67 RF37	Y..63M ₁ -4
0.28	4846	10300	KA 67 RF37	Y..63M ₁ -4
0.32	4329	10300	KAF 67 RF37	Y..63M ₁ -4
0.37	3750	10300		
0.42	3315	10300		
0.47	2917	10300		
0.55	2532	10300		
0.62	2244	10300		
0.70	1981	10300		
0.79	1739	10300	K 67 RF37	Y..63M ₁ -4
0.90	1535	10300	KF 67 RF37	Y..63M ₁ -4
1.00	1351	10300	KA 67 RF37	Y..63M ₁ -4
1.20	1171	10300	KAF 67 RF37	Y..63M ₁ -4
1.30	1034	10300	K 67 RF37	Y..63M ₁ -4
1.50	903	10300	KF 67 RF37	Y..63M ₁ -4
1.70	793	10300	KA 67 RF37	Y..63M ₁ -4
			KAF 67 RF37	Y..63M ₁ -4
1.90	697	10300	K 67 RF37	Y..71M ₁ -4
2.10	613	10300	KF 67 RF37	Y..71M ₁ -4
2.40	542	10300	KA 67 RF37	Y..71M ₁ -4
			KAF 67 RF37	Y..71M ₁ -4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
M₁₀₀₀ = 820Nm				
2.90	471	10300	K 67 RF37	Y..71M ₁ -4
3.30	420	10300	KF 67 RF37	Y..71M ₁ -4
3.80	361	10300	KA 67 RF37	Y..71M ₁ -4
			KAF 67 RF37	Y..71M ₁ -4
4.30	323	10300	K 67 RF37	Y..80M ₁ -4
5.00	279	10300	KF 67 RF37	Y..80M ₁ -4
5.60	246	10300	KA 67 RF37	Y..80M ₁ -4
			KAF 67 RF37	Y..80M ₁ -4
6.60	217	10300	K 67 RF37	Y..80M ₁ -4
7.50	191	10300	KF 67 RF37	Y..80M ₁ -4
			KA 67 RF37	Y..80M ₁ -4
			KAF 67 RF37	Y..80M ₁ -4
M₁₀₀₀ = 1550Nm				
0.09	15310	15400		
0.10	14043	15400		
0.12	11955	15400		
0.14	10217	15400	K 77 RF37	Y..63M ₁ -4
0.16	8809	15400	KF 77 RF37	Y..63M ₁ -4
0.18	7528	15400	KA 77 RF37	Y..63M ₁ -4
0.21	6606	15400	KAF 77 RF37	Y..63M ₁ -4
0.24	5774	15400		
0.27	5089	15400		
0.31	4489	15400	K 77 RF37	Y..63M ₁ -4
0.35	3961	15400	KF 77 RF37	Y..63M ₁ -4
0.40	3485	15400	KA 77 RF37	Y..63M ₁ -4
0.48	2901	15400	KAF 77 RF37	Y..63M ₁ -4
0.51	2717	15400		
0.56	2370	15400	K 77 RF37	Y..63M ₁ -4
0.64	2050	15400	KF 77 RF37	Y..63M ₁ -4
0.75	1772	15400	KA 77 RF37	Y..63M ₁ -4
0.87	1514	15400	KAF 77 RF37	Y..63M ₁ -4
0.95	1388	15400		
1.10	1218	15400	K 77 RF37	Y..71M ₁ -4
1.20	1053	15400	KF 77 RF37	Y..71M ₁ -4
			KA 77 RF37	Y..71M ₁ -4
			KAF 77 RF37	Y..71M ₁ -4
1.50	924	15400	K 77 RF37	Y..71M ₁ -4
1.70	815	15400	KF 77 RF37	Y..71M ₁ -4
2.00	709	15400	KA 77 RF37	Y..71M ₁ -4
			KAF 77 RF37	Y..71M ₁ -4
2.20	622	15400	K 77 RF37	Y..80M ₁ -4
2.50	552	15400	KF 77 RF37	Y..80M ₁ -4
2.80	485	15400	KA 77 RF37	Y..80M ₁ -4
			KAF 77 RF37	Y..80M ₁ -4
3.40	428	15400	K 77 RF37	Y..80M ₁ -4
3.90	367	15400	KF 77 RF37	Y..80M ₁ -4
			KA 77 RF37	Y..80M ₁ -4
			KAF 77 RF37	Y..80M ₁ -4

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n_2 [1/min]	i	Fr [N]	Frame size	Motor
M_{max} = 2700Nm				
4.30	328	15400	K 77 RF37	Y..90S-4
4.90	290	15400	KF 77 RF37	Y..90S-4
5.60	252	15400	KA 77 RF37	Y..90S-4
			KAF 77 RF37	Y..90S-4
0.09	14829	27300		
0.10	13168	27300		
0.12	11737	27300		
0.14	10217	27300	K 87 RF57	Y..63M ₁ -4
0.15	9073	27300	KF 87 RF57	Y..63M ₁ -4
0.18	7854	27300	KA 87 RF57	Y..63M ₁ -4
0.20	6832	27300	KAF 87 RF57	Y..63M ₁ -4
0.23	5930	27300		
0.26	5240	27300		
0.30	4562	27300		
0.33	4037	27300	K 87 RF57	Y..63M ₁ -4
0.37	3609	27300	KF 87 RF57	Y..63M ₁ -4
0.42	3107	27300	KA 87 RF57	Y..63M ₁ -4
0.48	2728	27300	KAF 87 RF57	Y..63M ₁ -4
0.55	2371	27300	K 87 RF57	Y..71M ₁ -4
0.62	2088	27300	KF 87 RF57	Y..71M ₁ -4
0.70	1854	27300	KA 87 RF57	Y..71M ₁ -4
			KAF 87 RF57	Y..71M ₁ -4
0.83	1657	27300	K 87 RF57	Y..71M ₁ -4
0.97	1415	27300	KF 87 RF57	Y..71M ₁ -4
1.10	1229	27300	KA 87 RF57	Y..71M ₁ -4
			KAF 87 RF57	Y..71M ₁ -4
1.30	1078	27300	K 87 RF57	Y..80M ₁ -4
1.40	951	27300	KF 87 RF57	Y..80M ₁ -4
1.60	837	27300	KA 87 RF57	Y..80M ₁ -4
			KAF 87 RF57	Y..80M ₁ -4
2.00	726	27300	K 87 RF57	Y..80M ₁ -4
2.20	638	27300	KF 87 RF57	Y..80M ₁ -4
			KA 87 RF57	Y..80M ₁ -4
			KAF 87 RF57	Y..80M ₁ -4
2.50	562	27300	K 87 RF57	Y..90S-4
3.00	474	27300	KF 87 RF57	Y..90S-4
3.30	426	27300	KA 87 RF57	Y..90S-4
			KAF 87 RF57	Y..90S-4
3.80	373	27300	K 87 RF57	Y..90L-4
4.30	330	27300	KF 87 RF57	Y..90L-4
4.90	294	27300	KA 87 RF57	Y..90L-4
			KAF 87 RF57	Y..90L-4
5.70	250	27300	K 87 RF57	Y..100L ₁ -4
6.00	236	27300	KF 87 RF57	Y..100L ₁ -4
7.10	201	27300	KA 87 RF57	Y..100L ₁ -4
			KAF 87 RF57	Y..100L ₁ -4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
M_{max} = 4300Nm				
0.08	18091	40000	K 97 RF57	Y..63M ₁ -4
0.08	16666	40000	KF 97 RF57	Y..63M ₁ -4
0.09	14897	40000	KA 97 RF57	Y..63M ₁ -4
0.10	13182	40000	KAF 97 RF57	Y..63M ₁ -4
0.12	11677	40000		
0.13	10317	40000	K 97 RF57	Y..63M ₁ -4
0.15	9083	40000	KF 97 RF57	Y..63M ₁ -4
0.17	8054	40000	KA 97 RF57	Y..63M ₁ -4
0.20	6970	40000	KAF 97 RF57	Y..63M ₁ -4
0.22	6027	40000	K 97 RF57	Y..63M ₁ -4
0.24	5391	40000	KF 97 RF57	Y..63M ₁ -4
0.28	4669	40000	KA 97 RF57	Y..63M ₁ -4
0.32	4082	40000	KAF 97 RF57	Y..63M ₁ -4
0.36	3583	40000	K 97 RF57	Y..71M ₁ -4
0.42	3108	40000	KF 97 RF57	Y..71M ₁ -4
0.47	2757	40000	KA 97 RF57	Y..71M ₁ -4
			KAF 97 RF57	Y..71M ₁ -4
0.57	2419	40000	K 97 RF57	Y..71M ₁ -4
0.65	2123	40000	KF 97 RF57	Y..71M ₁ -4
			KA 97 RF57	Y..71M ₁ -4
			KAF 97 RF57	Y..71M ₁ -4
0.74	1856	40000	K 97 RF57	Y..80M ₁ -4
0.85	1625	40000	KF 97 RF57	Y..80M ₁ -4
0.96	1430	40000	KA 97 RF57	Y..80M ₁ -4
1.10	1261	40000	KAF 97 RF57	Y..80M ₁ -4
1.30	1102	40000	K 97 RF57	Y..80M ₁ -4
1.50	957	40000	KF 97 RF57	Y..80M ₁ -4
			KA 97 RF57	Y..80M ₁ -4
			KAF 97 RF57	Y..80M ₁ -4
1.70	855	40000	K 97 RF57	Y..90S-4
1.90	743	40000	KF 97 RF57	Y..90S-4
2.20	652	40000	KA 97 RF57	Y..90S-4
			KAF 97 RF57	Y..90S-4
2.50	573	40000	K 97 RF57	Y..90L-4
2.80	504	40000	KF 97 RF57	Y..90L-4
			KA 97 RF57	Y..90L-4
			KAF 97 RF57	Y..90L-4
3.30	437	40000	K 97 RF57	Y..100L ₁ -4
3.70	382	40000	KF 97 RF57	Y..100L ₁ -4
4.20	342	40000	KA 97 RF57	Y..100L ₁ -4
			KAF 97 RF57	Y..100L ₁ -4
4.80	305	40000	K 97 RF57	Y..100L ₁ -4
5.60	258	40000	KF 97 RF57	Y..100L ₁ -4
			KA 97 RF57	Y..100L ₁ -4
			KAF 97 RF57	Y..100L ₁ -4
6.30	232	40000	K 97 RF57	Y..112M-4
7.30	199	40000	KF 97 RF57	Y..112M-4
			KA 97 RF57	Y..112M-4
			KAF 97 RF57	Y..112M-4

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n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{max}=8000Nm$				
0.10	14311	65000	K 107 RF77	Y..63M ₁ -4
			KF 107 RF77	Y..63M ₁ -4
			KA 107 RF77	Y..63M ₁ -4
			KAF107 RF77	Y..63M ₁ -4
0.11	12211	65000	K 107 RF77	Y..63M ₁ -4
0.12	10677	65000	KF 107 RF77	Y..63M ₁ -4
0.14	9524	65000	KA 107 RF77	Y..63M ₁ -4
0.16	8328	65000	KAF107 RF77	Y..63M ₁ -4
0.18	7270	65000	K 107 RF77	Y..71M ₁ -4
0.21	6184	65000	KF 107 RF77	Y..71M ₁ -4
0.23	5662	65000	KA 107 RF77	Y..71M ₁ -4
			KAF107 RF77	Y..71M ₁ -4
0.27	5138	65000	K 107 RF77	Y..71M ₁ -4
0.32	4359	65000	KF 107 RF77	Y..71M ₁ -4
0.36	3810	65000	KA 107 RF77	Y..71M ₁ -4
			KAF107 RF77	Y..71M ₁ -4
0.41	3358	65000	K 107 RF77	Y..80M ₁ -4
0.46	2977	65000	KF 107 RF77	Y..80M ₁ -4
0.53	2599	65000	KA 107 RF77	Y..80M ₁ -4
			KAF107 RF77	Y..80M ₁ -4
0.63	2286	65000	K 107 RF77	Y..80M ₁ -4
0.74	1939	65000	KF 107 RF77	Y..80M ₁ -4
			KA 107 RF77	Y..80M ₁ -4
			KAF107 RF77	Y..80M ₁ -4
0.83	1713	65000	K 107 RF77	Y..90S-4
0.91	1554	65000	KF 107 RF77	Y..90S-4
1.10	1336	65000	KA 107 RF77	Y..90S-4
			KAF107 RF77	Y..90S-4
1.20	1166	65000	K 107 RF77	Y..90L-4
1.40	1030	65000	KF 107 RF77	Y..90L-4
1.60	904	65000	KA 107 RF77	Y..90L-4
			KAF107 RF77	Y..90L-4
1.80	793	65000	K 107 RF77	Y..100L ₁ -4
2.00	696	65000	KF 107 RF77	Y..100L ₁ -4
2.30	615	65000	KA 107 RF77	Y..100L ₁ -4
			KAF107 RF77	Y..100L ₁ -4
2.80	522	65000	K 107 RF77	Y..100L ₂ -4
3.20	461	65000	KF 107 RF77	Y..100L ₂ -4
			KA 107 RF77	Y..100L ₂ -4
			KAF107 RF77	Y..100L ₂ -4
3.60	408	65000	K 107 RF77	Y..112M-4
4.00	364	65000	KF 107 RF77	Y..112M-4
			KA 107 RF77	Y..112M-4
			KAF107 RF77	Y..112M-4
4.60	318	65000	K 107 RF77	Y..132S-4
5.10	286	65000	KF 107 RF77	Y..132S-4
5.80	251	65000	KA 107 RF77	Y..132S-4
			KAF107 RF77	Y..132S-4

n_2 [1/min]	i	Fr [N]	Frame size	Motor
$M_{max}=13000Nm$				
0.08	17550	79200	K 127 RF77	Y..63M ₁ -4
0.08	16006	79200	KF 127 RF77	Y..63M ₁ -4
0.09	14975	79200	KA 127 RF77	Y..63M ₁ -4
0.11	12440	79200	KAF127 RF77	Y..63M ₁ -4
0.12	10915	79200	K 127 RF77	Y..71M ₁ -4
0.13	9819	79200	KF 127 RF77	Y..71M ₁ -4
0.15	8443	79200	KA 127 RF77	Y..71M ₁ -4
			KAF127 RF77	Y..71M ₁ -4
0.18	7482	79200	K 127 RF77	Y..71M ₁ -4
0.21	6565	79200	KF 127 RF77	Y..71M ₁ -4
			KA 127 RF77	Y..71M ₁ -4
			KAF127 RF77	Y..71M ₁ -4
0.24	5804	79200	K 127 RF77	Y..80M ₁ -4
0.27	5027	79200	KF 127 RF77	Y..80M ₁ -4
0.31	4423	79200	KA 127 RF77	Y..80M ₁ -4
			KAF127 RF77	Y..80M ₁ -4
0.37	3889	79200	K 127 RF77	Y..80M ₁ -4
0.43	3311	79200	KF 127 RF77	Y..80M ₁ -4
0.48	3009	79200	KA 127 RF77	Y..80M ₁ -4
			KAF127 RF77	Y..80M ₁ -4
0.54	2607	79200	K 127 RF77	Y..90S-4
0.63	2268	79200	KF 127 RF77	Y..90S-4
			KA 127 RF77	Y..90S-4
			KAF127 RF77	Y..90S-4
0.74	1926	79200	K 127 RF77	Y..90L-4
0.81	1757	79200	KF 127 RF77	Y..90L-4
0.93	1541	79200	KA 127 RF77	Y..90L-4
			KAF127 RF77	Y..90L-4
1.10	1342	79200	K 127 RF77	Y..100L ₁ -4
1.20	1177	79200	KF 127 RF77	Y..100L ₁ -4
1.40	1025	79200	KA 127 RF77	Y..100L ₁ -4
			KAF127 RF77	Y..100L ₁ -4
1.60	899	79200	K 127 RF77	Y..100L ₁ -4
1.80	790	79200	KF 127 RF77	Y..100L ₁ -4
			KA 127 RF77	Y..100L ₁ -4
			KAF127 RF77	Y..100L ₁ -4
2.10	704	79200	K 127 RF77	Y..112M-4
2.40	610	79200	KF 127 RF77	Y..112M-4
2.70	549	79200	KA 127 RF77	Y..112M-4
			KAF127 RF77	Y..112M-4
3.00	477	79200	K 127 RF77	Y..132S-4
3.50	418	79200	KF 127 RF77	Y..132S-4
			KA 127 RF77	Y..132S-4
			KAF127 RF77	Y..132S-4
2.70	536	79200	K 127 RF77	Y..132S-4
3.10	473	79200	KF 127 RF77	Y..132S-4
3.50	418	79200	KA 127 RF77	Y..132S-4
			KAF127 RF77	Y..132S-4

K

n ₂ [1/min]	i	Fr [N]	Frame size	Motor
M_{max} = 13000Nm				
4.00	367	79200	K 127 RF87	Y..132M-4
4.40	330	79200	KF 127 RF87	Y..132M-4
			KA 127 RF87	Y..132M-4
			KAF127 RF87	Y..132M-4
M_{max} = 18000Nm				
0.08	17679	112200		
0.09	15729	112200		
0.09	14721	112200	K 157 RF97	Y..80M-4
0.11	13097	112200	KF 157 RF97	Y..80M-4
0.12	11368	112200	KA 157 RF97	Y..80M-4
0.14	10114	112200	KAF157 RF97	Y..80M-4
0.16	8718	112200		
0.18	7734	112200		
0.28	5074	112200	K 157 RF97	Y..80M-4
0.32	4514	112200	KF 157 RF97	Y..80M-4
			KA 157 RF97	Y..80M-4
			KAF157 RF97	Y..80M-4
0.36	3979	112200	K 157 RF97	Y..90S-4
0.40	3516	112200	KF 157 RF97	Y..90S-4
0.47	3051	112200	KA 157 RF97	Y..90S-4
			KAF157 RF97	Y..90S-4
0.55	2610	112200	K 157 RF97	Y..90L-4
0.62	2322	112200	KF 157 RF97	Y..90L-4
			KA 157 RF97	Y..90L-4
			KAF157 RF97	Y..90L-4
0.72	2029	112200	K 157 RF97	Y..100L-4
0.79	1805	112200	KF 157 RF97	Y..100L-4
0.86	1659	112200	KA 157 RF97	Y..100L-4
1.00	1365	112200	KAF157 RF97	Y..100L-4
1.20	1229	112200	K 157 RF97	Y..100L-4
1.30	1093	112200	KF 157 RF97	Y..100L-4
			KA 157 RF97	Y..100L-4
			KAF157 RF97	Y..100L-4
1.60	942	112200	K 157 RF97	Y..112M-4
1.70	854	112200	KF 157 RF97	Y..112M-4
			KA 157 RF97	Y..112M-4
			KAF157 RF97	Y..112M-4
1.90	756	112200	K 157 RF97	Y..132S-4
2.20	661	112200	KF 157 RF97	Y..132S-4
2.60	567	112200	KA 157 RF97	Y..132S-4
			KAF157 RF97	Y..132S-4
2.90	504	112200	K 157 RF97	Y..132M-4
3.40	434	112200	KF 157 RF97	Y..132M-4
			KA 157 RF97	Y..132M-4
			KAF157 RF97	Y..132M-4
5.10	291	112200	K 157 RF97	Y..160M-4
4.50	325	112200	KF 157 RF97	Y..160M-4
4.90	299	112200	KA 157 RF97	Y..160M-4
			KAF157 RF97	Y..160M-4

n ₂ [1/min]	i	Fr [N]	Frame size	Motor
M_{max} = 18000Nm				
5.80	253	112200	K 157 RF97	Y..160L-4
6.40	230	112200	KF 157 RF97	Y..160L-4
6.90	213	112200	KA 157 RF97	Y..160L-4
			KAF157 RF97	Y..160L-4
M_{max} = 32000Nm				
0.07	19723	150000		
0.08	17406	150000		Y..80M-4
0.09	15000	150000	K 167 RF97	Y..80M-4
0.10	13238	150000	KH 167 RF97	Y..80M-4
0.12	11573	150000		Y..80M-4
0.13	10264	150000		
0.17	8628	150000	K 167 RF97	Y..80M-4
			KH 167 RF97	Y..80M-4
0.22	6562	150000	K 167 RF97	Y..90S-4
0.27	5355	150000	KH 167 RF97	Y..90S-4
0.30	4788	150000	K 167 RF97	Y..90L-4
0.35	4079	150000	KH 167 RF97	Y..90L-4
0.42	3376	150000	K 167 RF97	Y..100L-4
0.52	2755	150000	KH 167 RF97	Y..100L-4
0.64	2263	15000	K 167 RF97	Y..100L-4
0.67	2182	15000	KH 167 RF97	Y..100L-4
0.86	1704	15000	K 167 RF97	Y..112M-4
1.00	1408	15000	KH 167 RF97	Y..112M-4
1.10	1296	15000	K 167 RF97	Y..132S-4
1.30	1101	15000	KH 167 RF97	Y..132S-4
1.60	944	15000	K 167 RF97	Y..132M-4
1.70	843	15000	KH 167 RF97	Y..132M-4
1.90	757	15000		
2.60	561	15000	K 167 RF97	Y..160M-4
			KH 167 RF97	Y..160M-4
3.00	481	15000	K 167 RF97	Y..160L-4
3.50	423	15000	KH 167 RF97	Y..160L-4
4.00	369	15000		
4.60	318	15000	K 167 RF107	Y..180M-4
			KH 167 RF107	Y..180M-4
5.30	278	15000	K 167 RF107	Y..180L-4
6.00	244	15000	KH 167 RF107	Y..180L-4
6.90	213	15000	K 167 RF107	Y..200L-4
7.20	206	15000	KH 167 RF107	Y..200L-4
8.20	180	15000		

K SERIES



n_2 [1/min]	i	Fr [N]	Frame size	Motor
M_{2max} = 32000 Nm				
9.20	160	15000	K 167 RF107 KH 167 RF107	Y..225S-4 Y..225S-4
11.0	135	15000	K 167 RF107	Y..250M-4
12.0	118	15000	KH 167 RF107	Y..250M-4
M_{2max} = 50000 Nm				
0.04	32625	19000		
0.05	27165	19000		
0.06	24353	19000	K 187 RF97	Y..80M ₁ -4
0.07	19144	19000	KH 187 RF97	Y..80M ₁ -4
0.08	16978	19000		
0.10	14272	19000	K 187 RF97	Y..80M ₂ -4
0.11	13116	19000	KH 187 RF97	Y..80M ₂ -4
0.12	11647	19000		
0.14	10413	19000	K 187 RF97	Y..90S-4
0.15	9363	19000	KH 187 RF97	Y..90S-4
0.17	8126	19000		
0.19	7343	19000	K 187 RF97	Y..90L-4
0.21	6747	19000	KH 187 RF97	Y..90L-4
0.24	5991	19000		
0.27	5358	19000	K 187 RF97	Y..100L ₁ -4
0.30	4817	19000	KH 187 RF97	Y..100L ₁ -4
0.33	4370	19000		
0.40	3609	19000	K 187 RF97	Y..100L ₂ -4
0.48	3062	19000	KH 187 RF97	Y..100L ₂ -4

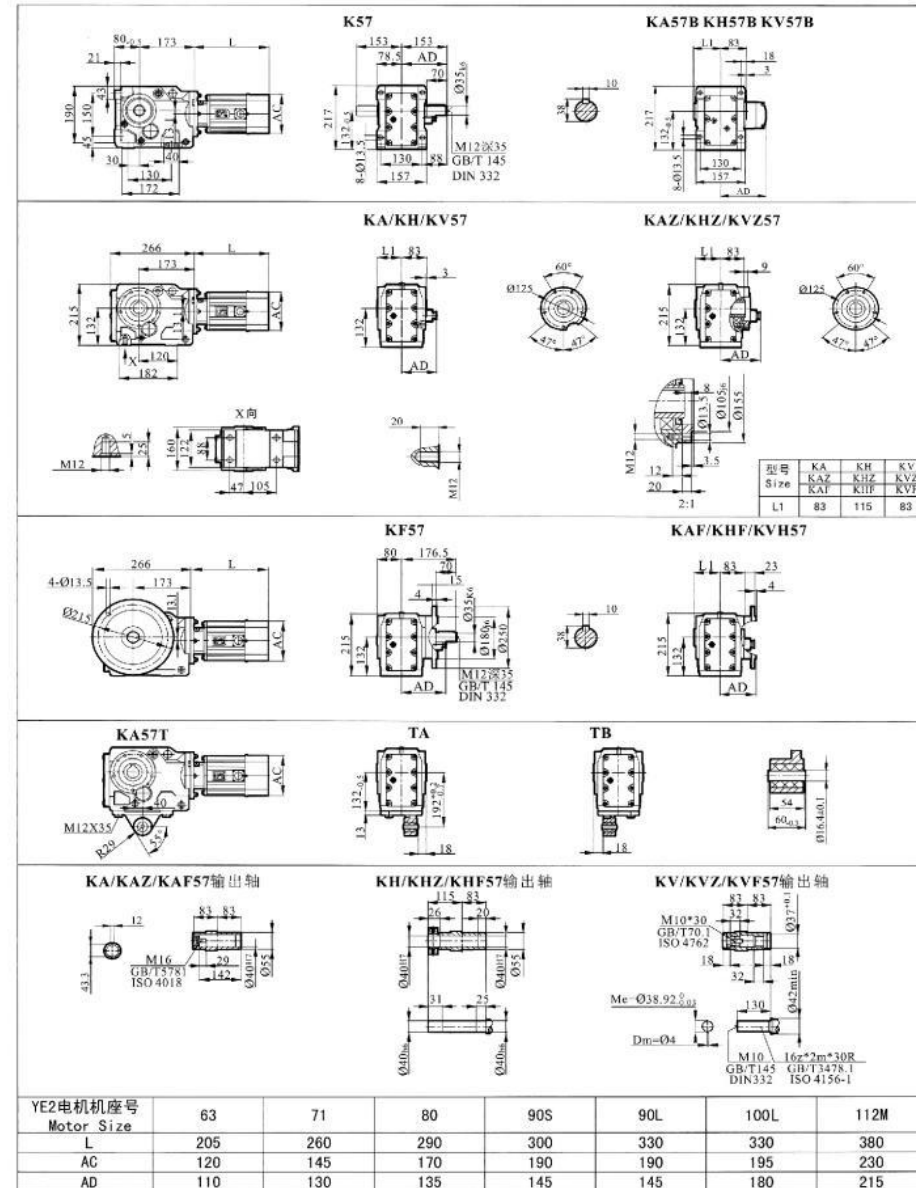
n_2 [1/min]	i	Fr [N]	Frame size	Motor
M_{2max} = 50000 Nm				
0.58	2519	19000	K 187 RF97	Y..112M-4
0.64	2268	19000	KH 187 RF97	Y..112M-4
0.71	2054	19000		
0.80	1821	19000	K 187 RF97	Y..132S-4
0.91	1605	19000	KH 187 RF97	Y..132S-4
1.00	1395	19000	K 187 RF97	Y..132M-4
1.20	1196	19000	KH 187 RF97	Y..132M-4
2.00	738	19000	K 187 RF97	Y..160L-4
2.40	621	19000	KH 187 RF97	Y..160L-4
2.80	527	19000	K 187 RF97	Y..180M-4
			KH 187 RF97	Y..180M-4
1.80	835	19000	K 187 RF107 KH 187 RF107	Y..160M-4 Y..160M-4
2.00	729	19000	K 187 RF97	Y..160L-4
2.40	622	19000	KH 187 RF97	Y..160L-4
2.80	520	19000	K 187 RF97	Y..180M-4
3.20	454	19000	KH 187 RF97	Y..180M-4
4.20	355	19000	K 187 RF97 KH 187 RF97	Y..200L-4 Y..200L-4
5.70	261	19000	K 187 RF97 KH 187 RF97	Y..225S-4 Y..225S-4
6.70	221	19000	K 187 RF97	Y..225M-4
7.60	193	19000	KH 187 RF97	Y..225M-4

K

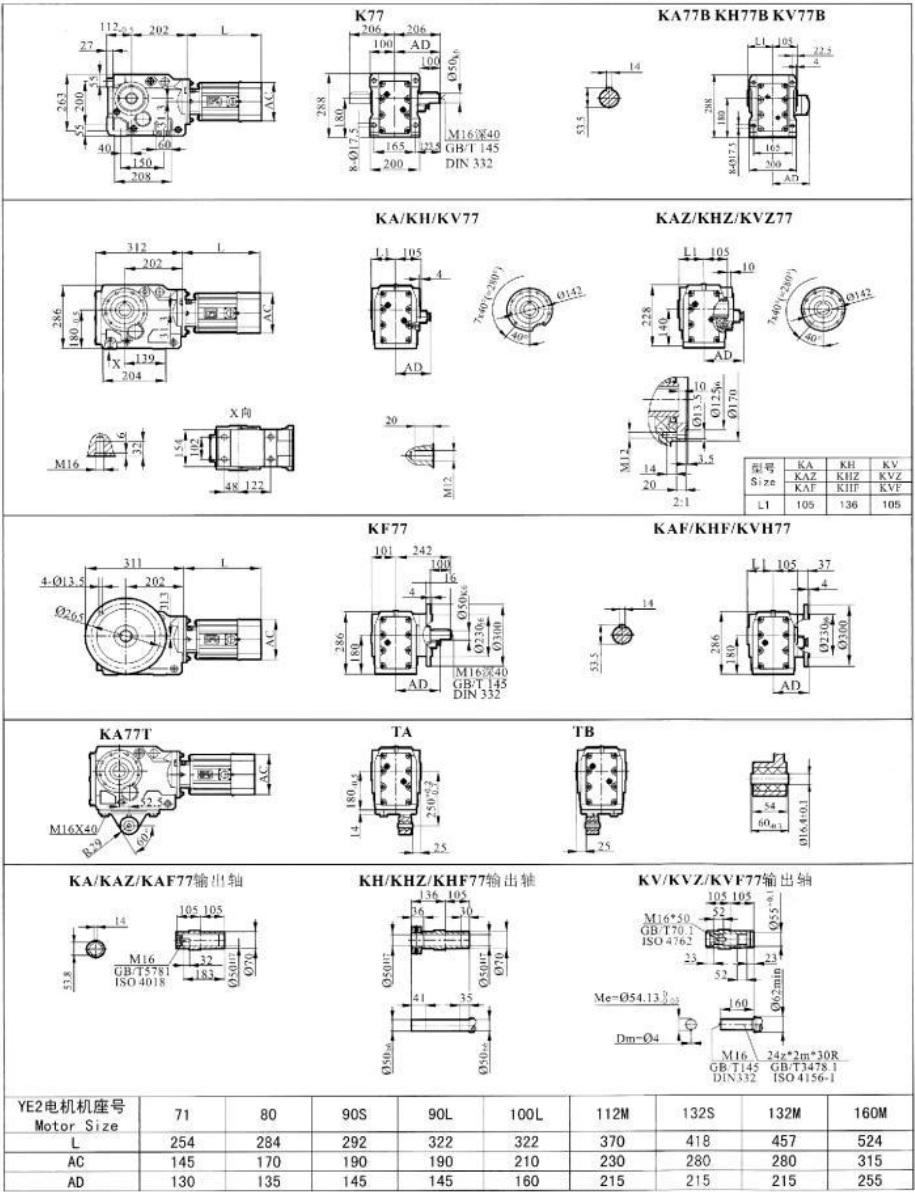
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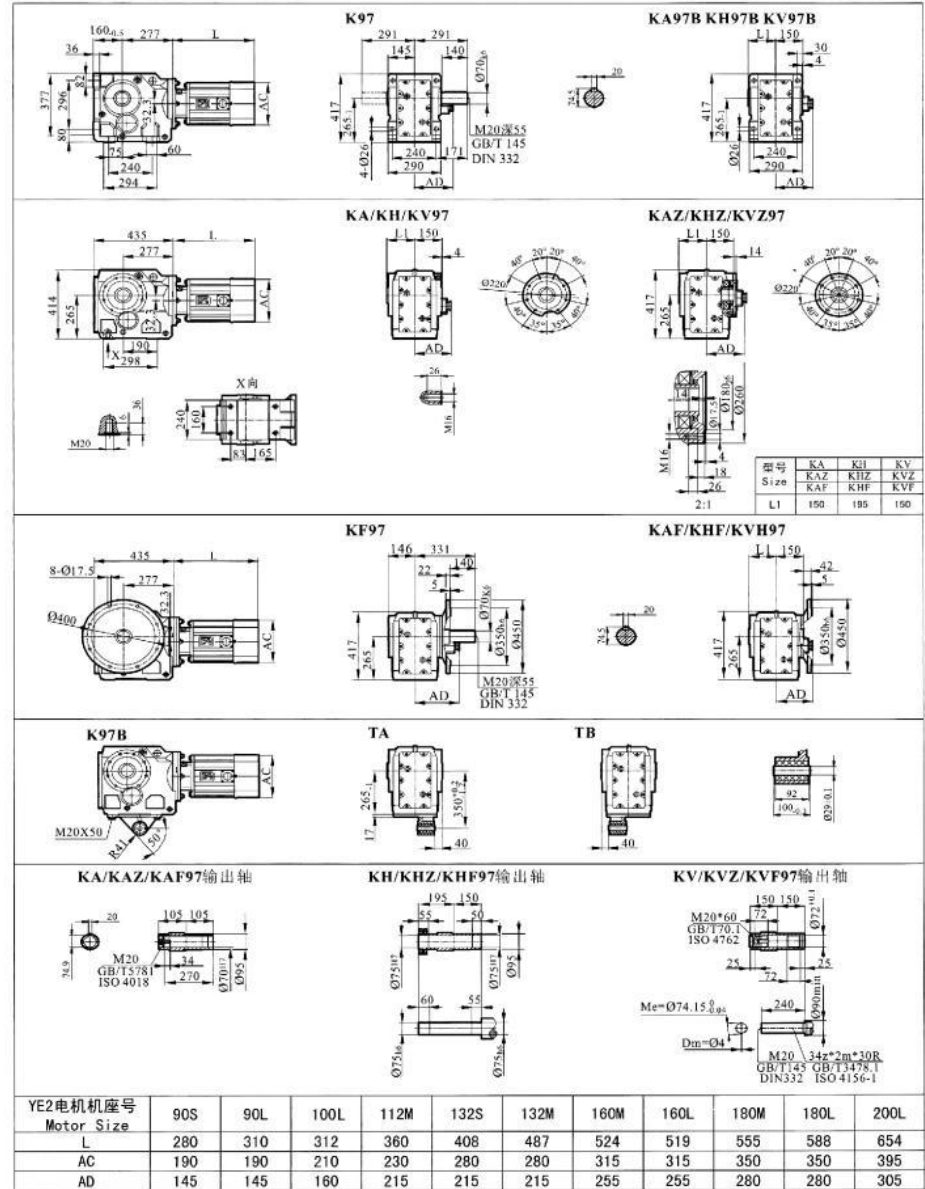


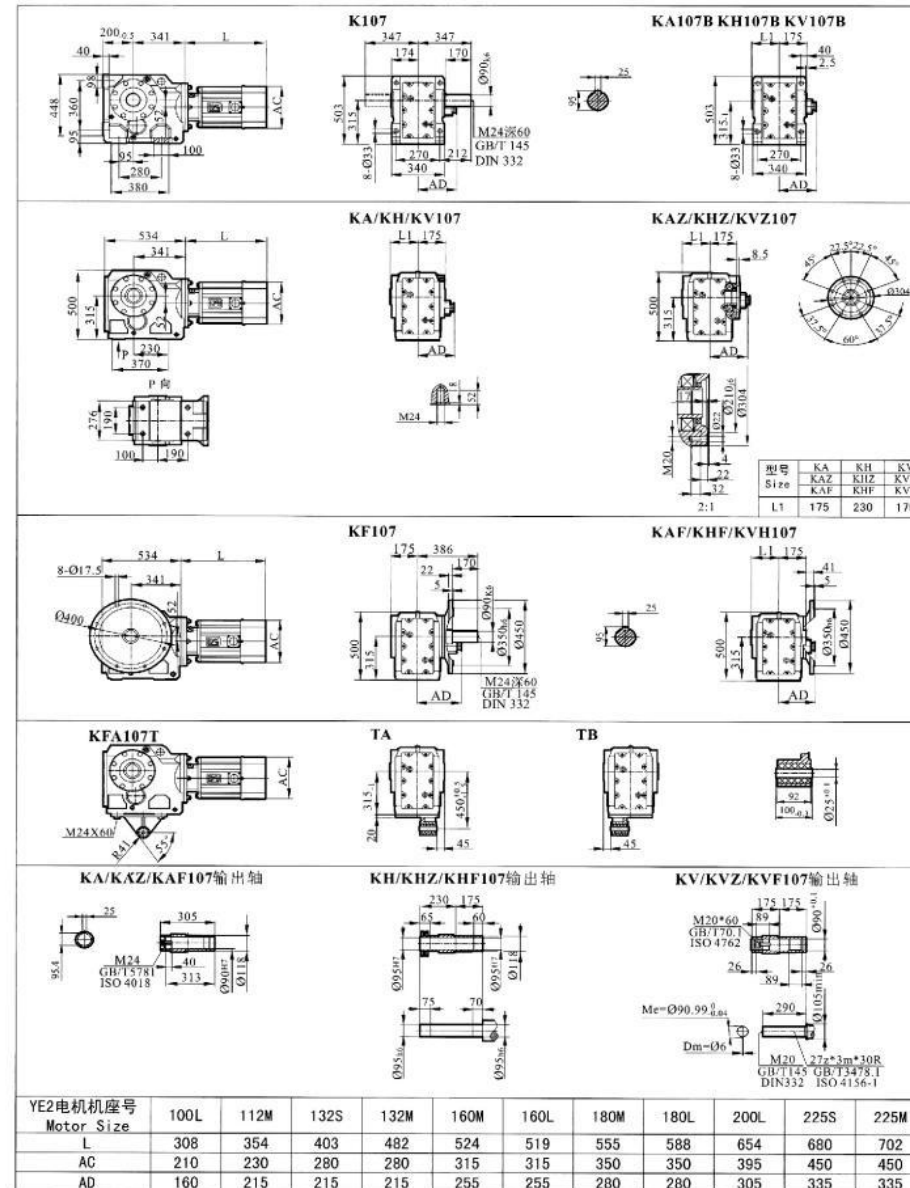




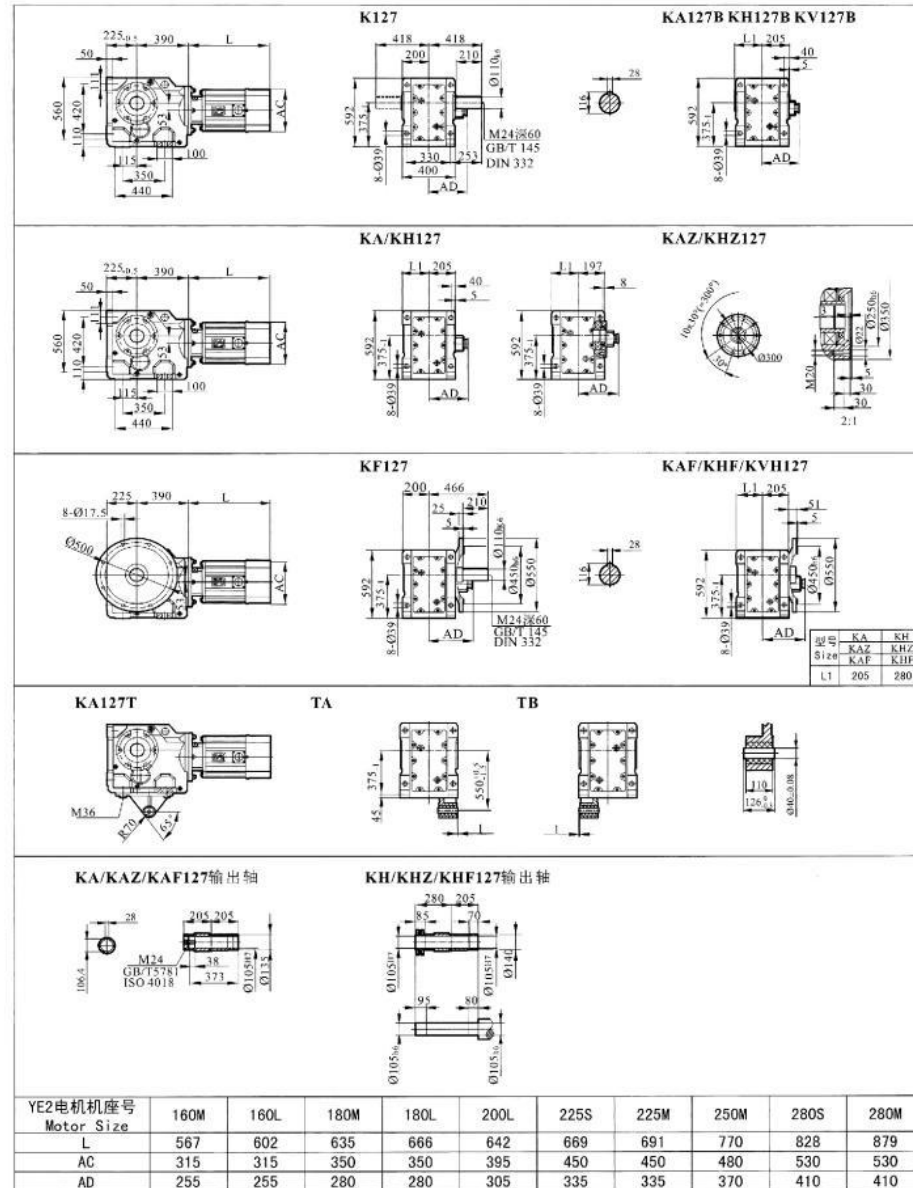


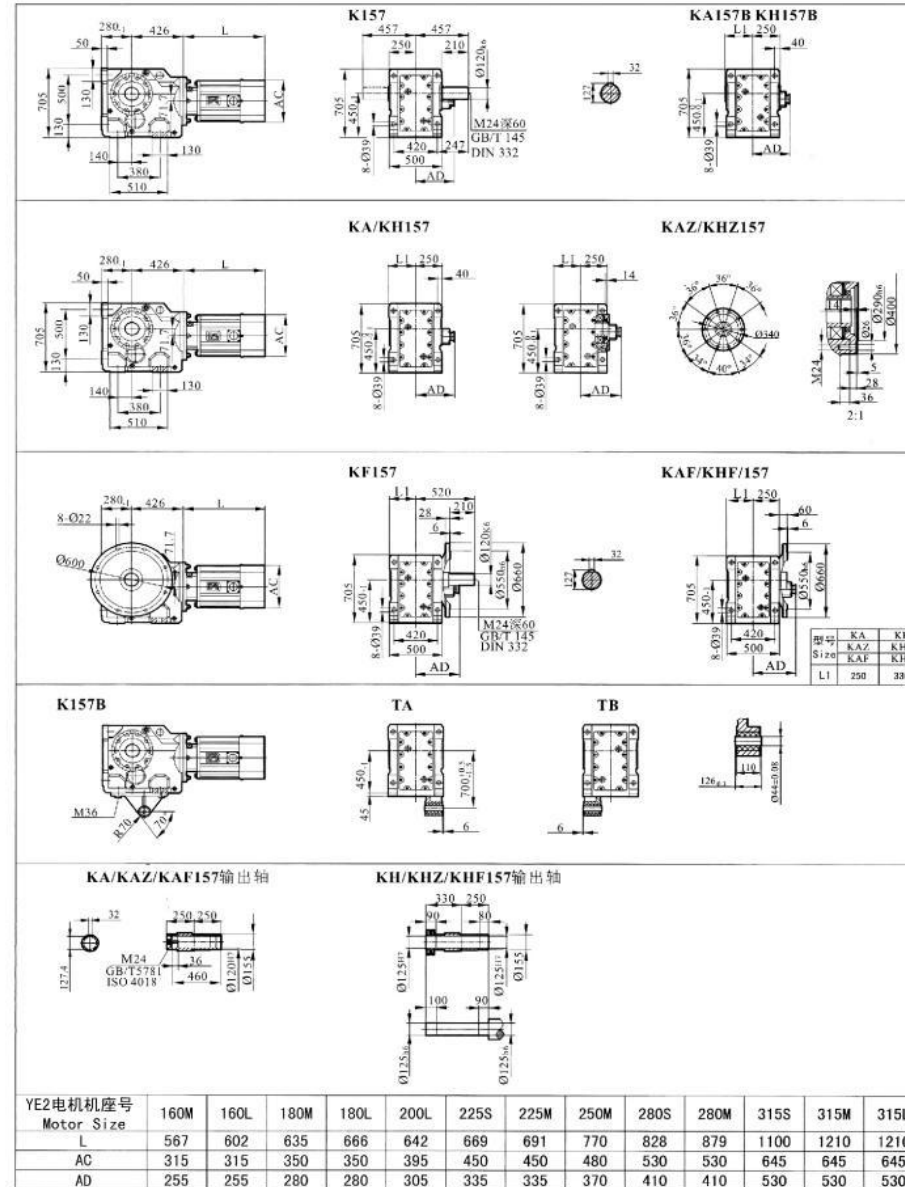






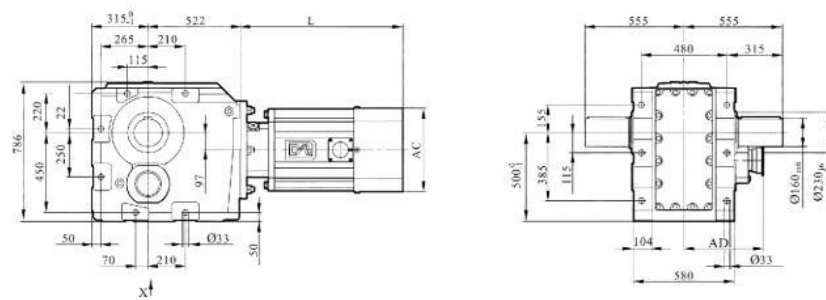
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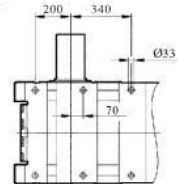


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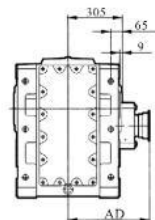
K167



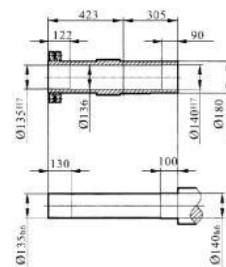
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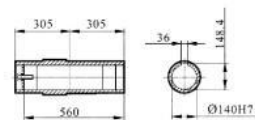
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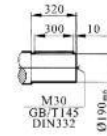
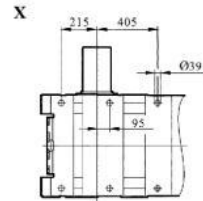
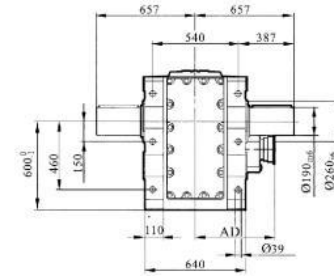
KH167输出轴



KA167输出轴



YE2电机座号 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



Technical drawing of a shaft. The side view shows a shaft with a total length of 624 mm, divided into two equal sections of 337 mm each. The end view shows a shaft with an outer diameter of $\text{Ø}160\text{H}7$ and a keyway with a width of 40 mm. The distance from the center of the shaft to the top of the keyway is 169.4 mm.

YE2电机座号 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