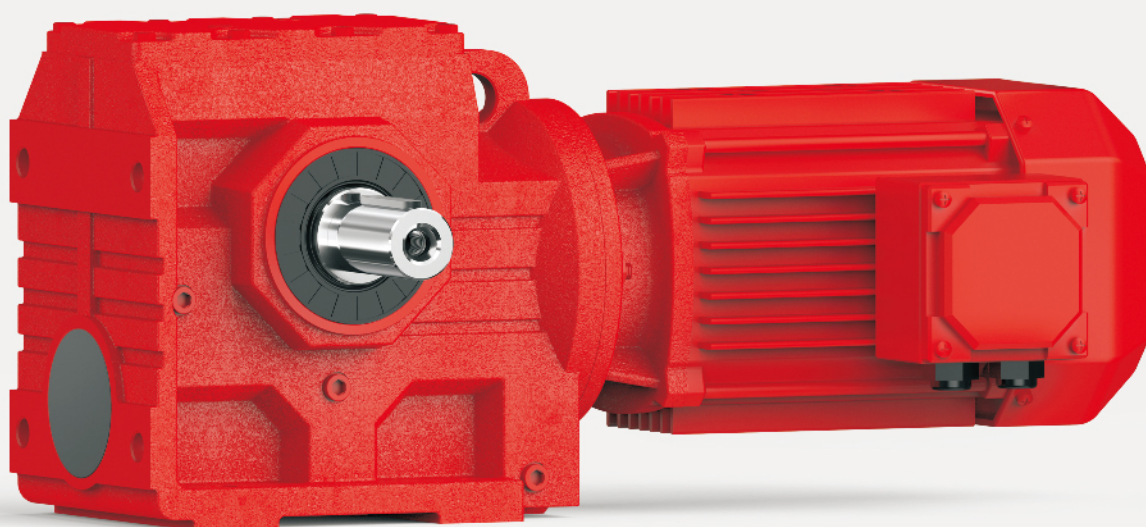


S SERIES

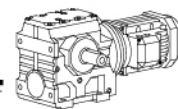
S系列
斜齿轮-蜗轮减速电机

S SERIES HELICAL-WORM
GEARED MOTOR

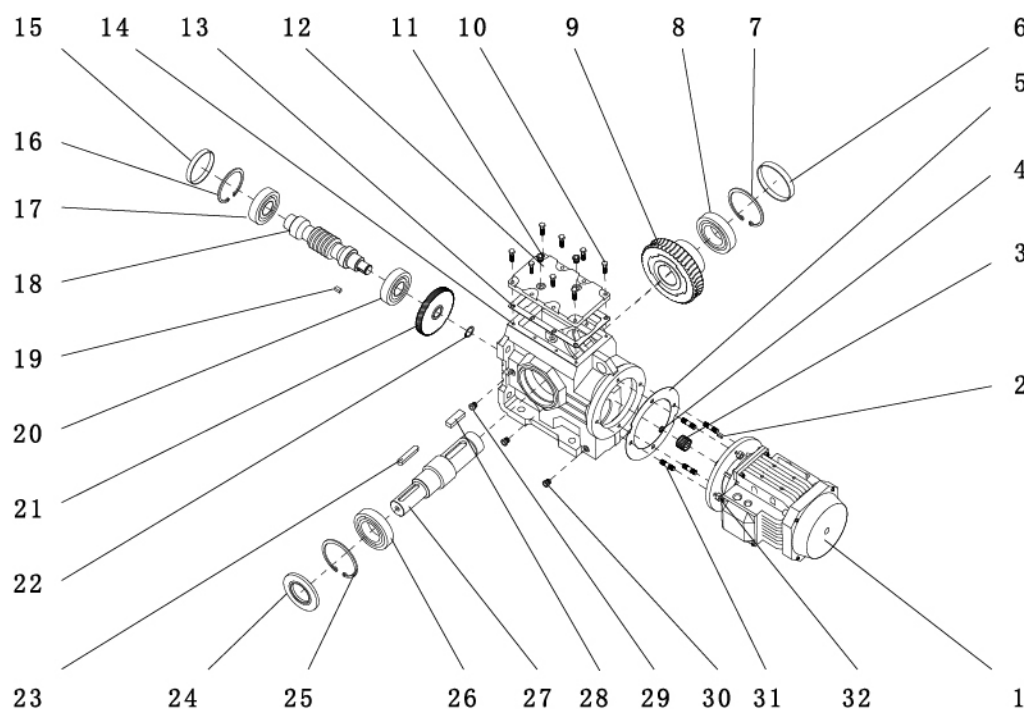


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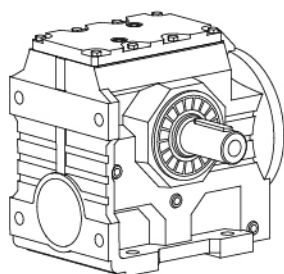
5.1 部件分解图 / Spare Parts List



- | | |
|-----------------------------------|-----------------------------------|
| 1 电机/motor | 17 轴承/bearing |
| 2 平键/flat key | 18 蜗杆/worm |
| 3 齿轮/gear | 19 平键/flat key |
| 4 轴用挡圈/retaining rings for shaft | 20 轴承/bearing |
| 5 纸垫/gasket | 21 齿轮/gear |
| 6 平面油封/plan seal | 22 轴用挡圈/retaining rings for shaft |
| 7 孔用挡圈/retaining rings for bores | 23 平键/flat key |
| 8 轴承/bearing | 24 骨架油封/skeleton oil seal |
| 9 蜗轮/worm gear | 25 孔用挡圈/retaining rings for bores |
| 10 外六角螺钉/hex head screw | 26 轴承/bearing |
| 11 油塞/oil level plug | 27 输出轴/output shaft |
| 12 盖板/cover plate | 28 平键/flat key |
| 13 纸垫/gasket | 29 油塞/oil level plug |
| 14 箱体/housing | 30 油塞/oil level plug |
| 15 平面油封/plan seal | 31 双头螺柱/stud |
| 16 孔用挡圈/retaining rings for bores | 32 六角螺母/hexagon nut |

5.2 机型版本 / Versions

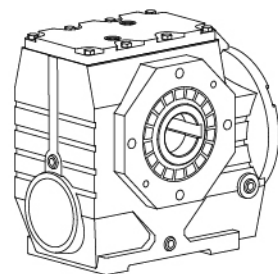
5.2.1 基本型式 / Basic Versions



S..

底脚安装斜齿轮-蜗轮蜗杆减速机

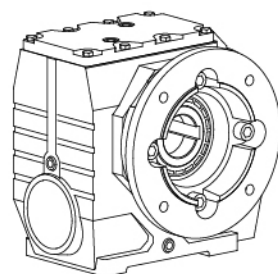
Foot-mounted helical worm geared units.



SA..

空心轴安装斜齿轮-蜗轮蜗杆减速机

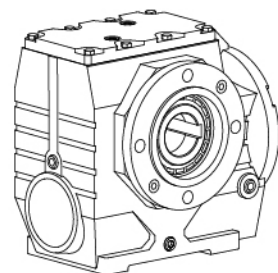
Helical-worm geared units with hollow shaft.



SAF..

B5法兰空心轴安装斜齿轮-蜗轮蜗杆减速机

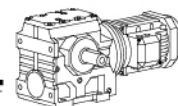
Helical-worm geared units in B5 flange mounted version with hollow shaft.

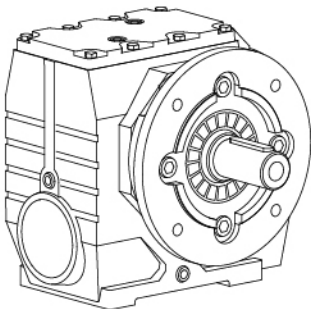
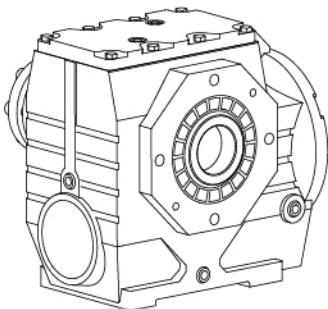
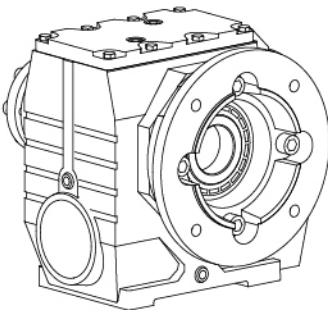
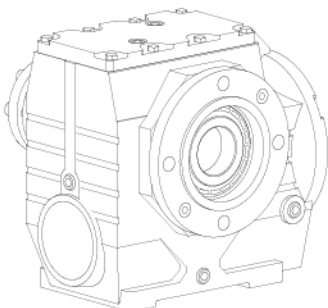


SAZ..

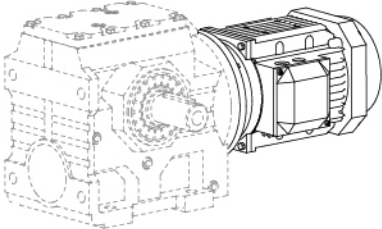
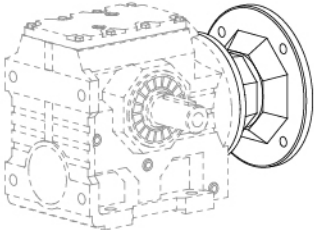
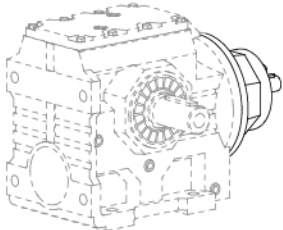
B14法兰空心轴安装斜齿轮-蜗轮蜗杆减速机

Helical-worm geared units in B14 flange mounted version with hollow shaft.



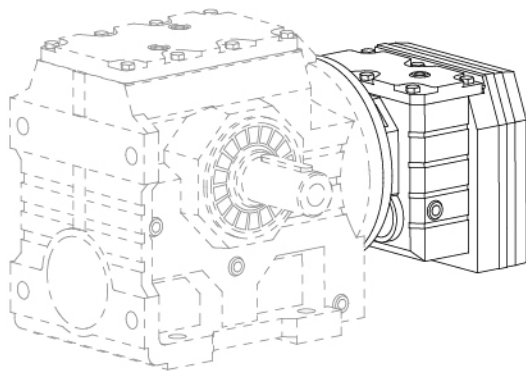
	SF.. B5法兰安装斜齿轮-蜗轮蜗杆减速机 Helical-worm geared units in B5 flange mounted version.
	SH.. 空心轴锁紧盘安装斜齿轮-蜗轮蜗杆减速机 Helical-worm geared units with hollow shaft and shrink disk.
	SHF.. B5法兰空心轴锁紧盘安装斜齿轮-蜗轮蜗杆减速机 Helical-worm geared units in B5 flange-mounted version with hollow shaft and shrink disk.
	SHZ.. B14法兰空心轴锁紧盘安装斜齿轮-蜗轮蜗杆减速机 Helical-worm geared units in B14 flange-mounted version with hollow shaft and shrink disk.

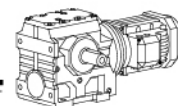
5.2.2 输入型式 / Input Versions

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

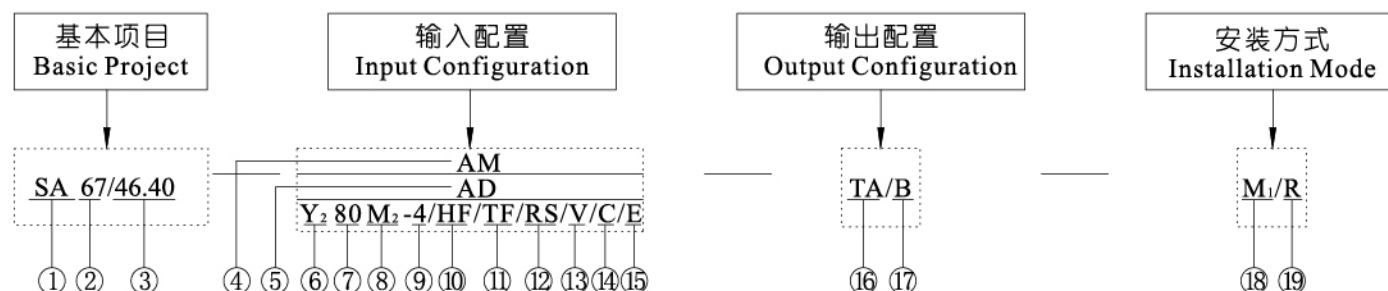
5.2.3 S..与 RF..组合 / S.. and RF.. Combination

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



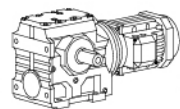


5.3 产品标注 / Product Code



	标号 NO.	含义 Meaning	说明 Explanation
基本项目 Basic Project	①	系列代号 Series Code	S、SF、SA... (详见5.2.1) S, SF, SA...(see 5.2.1).
	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 ₂ : 三相异步电动机 Y ₂ : Three Phase Asynchronous Motor. YD: 变极多速三相异步电动机 YD: Variable-pole Multi-speed Three Phase Asynchronous Motor. YS: 小功率三相异步电动机 YS: Small Power Three Phase Asynchronous Motor. YVF ₂ : 变频调速三相异步电动机 YVF ₂ : Variable Frequency Speed Control Three Phase Asynchronous Motor. Y ₂ EJ: 电磁制动三相异步电动机 Y ₂ EJ: Electromagnetic Brake Three Phase Asynchronous Motor. YB2: 隔爆三相异步电动机 YB2: Flame Proof Three Phase Asynchronous Motor.
	⑦	电机机座号 Motor Frame Size.	63、71、80...
	⑧	电机定子铁芯长度代号 Length Code of Stator Core.	M、M ₁ 、M ₂ 、S、S ₁ 、S ₂ 、L、L ₁ 、L ₂
	⑨	电机极数 Pole Number of Motor.	2、4、6、8

	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. HF: 手动释放装置带自锁功能 HF: Manual release device with self-locking Function. HR: 手动释放装置不带自锁功能 HR: 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. TF: 电机热保护装置 TF: Motor heat-protection device.
	⑫	逆止器 Backstop	无代码: 无逆止器 No Code: No backstop. RS: 逆止器 RS: 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. TA: 扭力臂指向 A TA: Torque arm pointing to A. TB: 扭力臂指向 B TB: 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 ter- minal box.	R、B、L、T



说明:

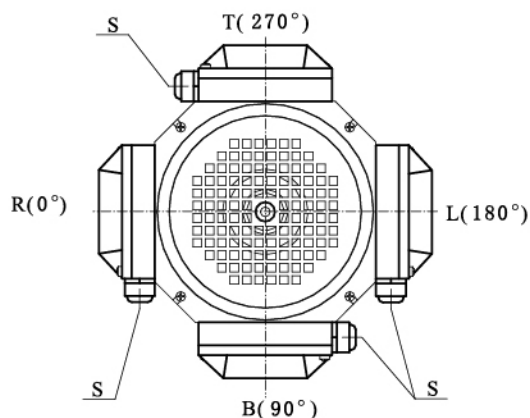
1. 基本项目不可省略;
2. 输入配置中, 只能在 AM、AD 和电机之间选择一种;
3. 输出配置参数若省略, 默认按A方向提供;
4. 安装方式参数若省略, 默认按 M1 安装方位, R 接线盒方位提供。

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 A.
4. If not mounting position, default mounting position will be M1, default position for motor terminal will be R.

5.4 安装方位 / Mounting Positions

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

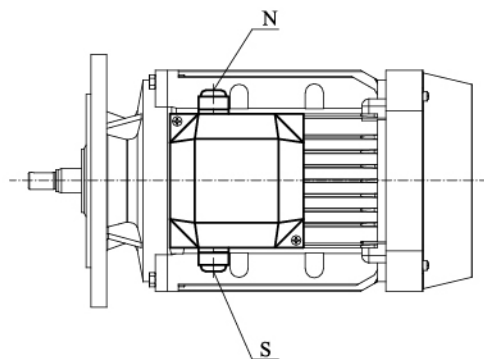


R(0°): 默认接线盒方位

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

注: 图为M1安装方位。

Mark :This picture is the installation position of M1



S: 默认进线方位

S: Default Line Position

说明:

上图的视图方向为: 从电机尾部的风罩向前看。

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

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

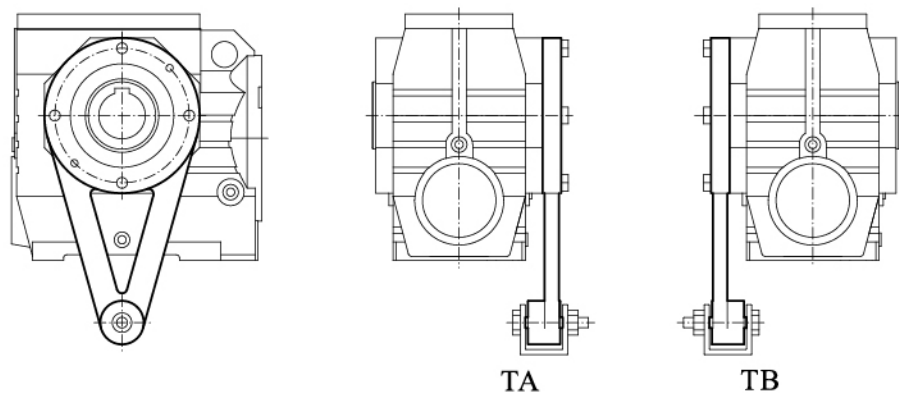
Notes:

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

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

5.4.2 扭力臂方位 / Position of Torque Arm



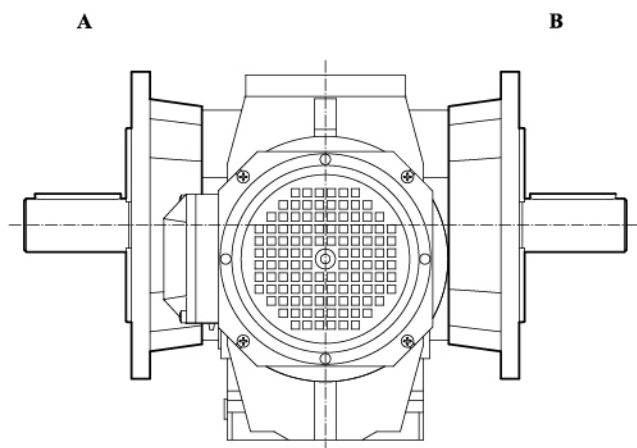
说明:

扭力臂方位 TA 与 TB 是对称的。

Notes:

TA and TB are symmetrical.

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



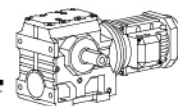
说明:

上图的视图方向为：从电机尾部的风罩向前看。

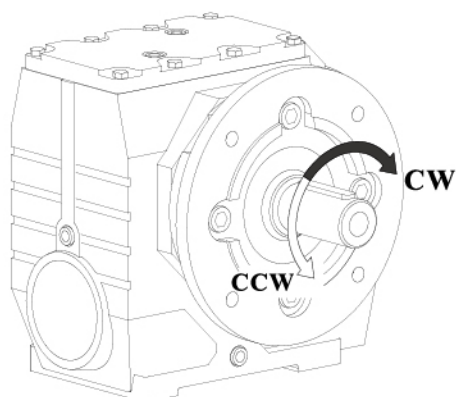
可提供 A、B 或 A+B 三种输出法兰或输出轴的方位。

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.



5. 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 5. 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.

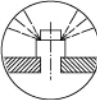
For above figure, the following definition applies: Looking onto the output shaft.

CW = Rotating Clockwise

CCW = Rotation Counter-clockwise

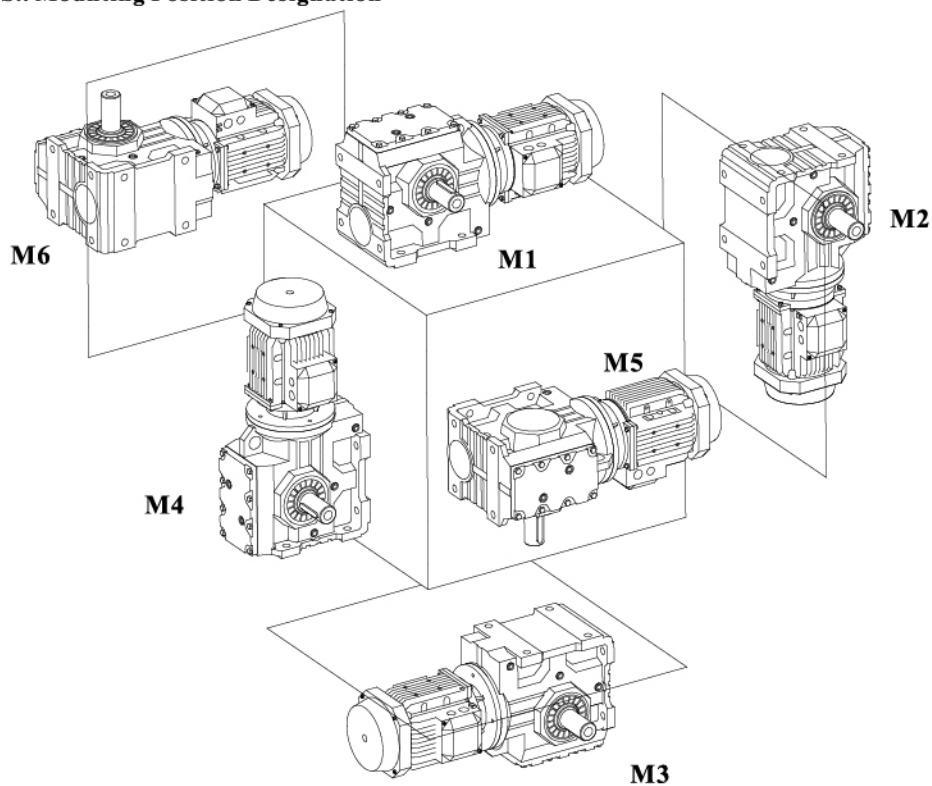
If the position of the output shaft or flange is A+B, it is necessary to stipulate for certain direction of rotation, it was looked on the A or B.

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

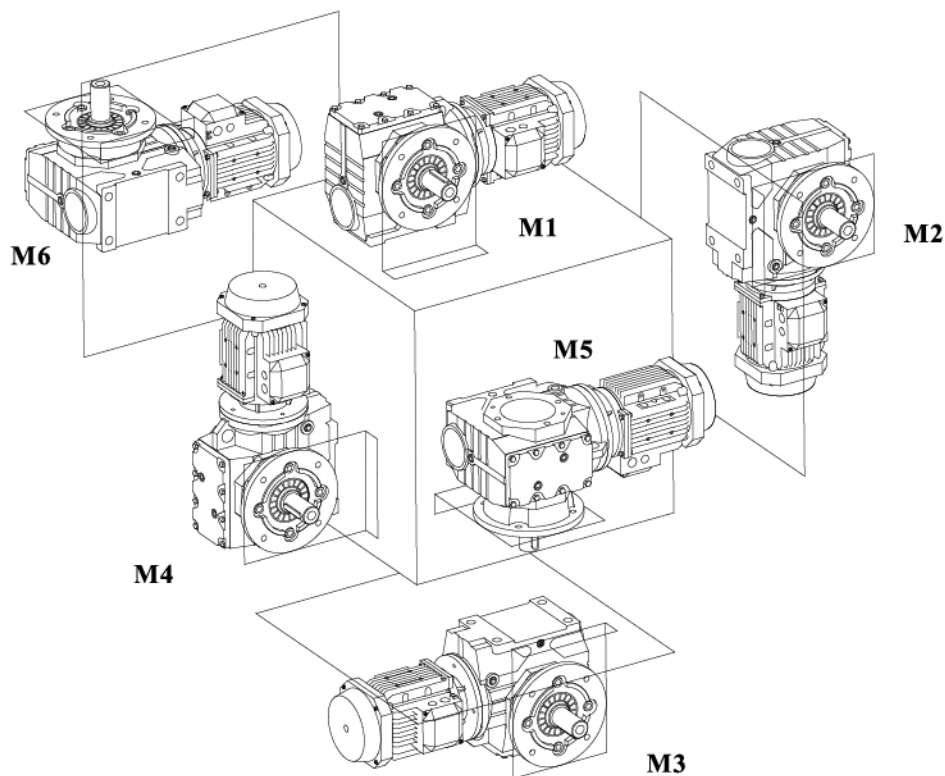
符号 Symbol	含义	Meaning
	通气帽	BREATHER VALVE
	油标	OIL LEVEL PLUG
	排油塞	OIL DRAIN PLUG

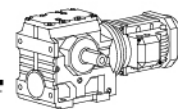
5. 4. 6 安装位置示意 / Mounting Position Designation

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



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





5. 4. 7 安装方位 / Mounting Positions

*→提示:

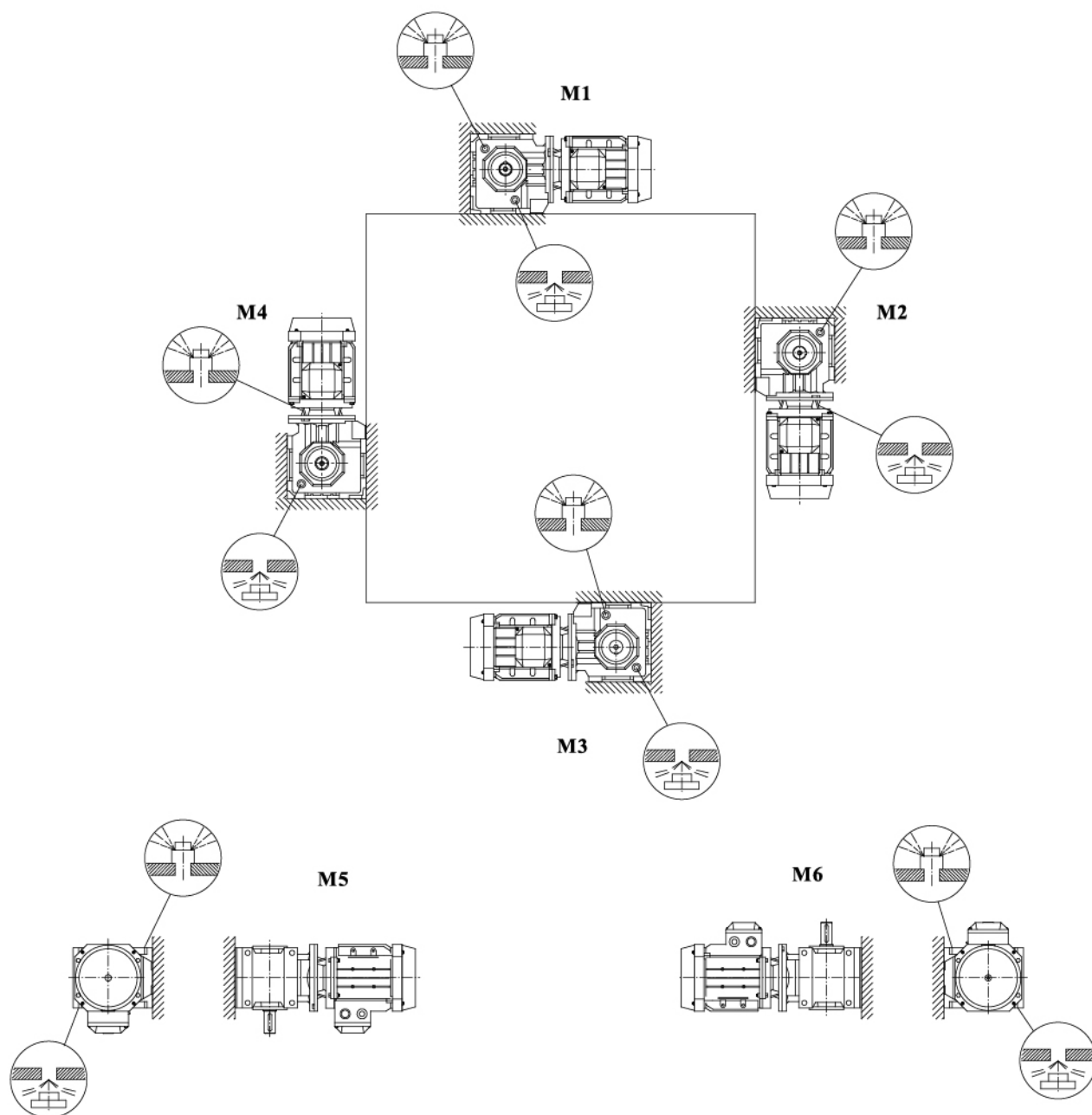
当采用下表列出的安装方式及输入转速时, 齿轮箱会产生不可忽视的搅油损失。请联系本公司。

*→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	77-97	>2500

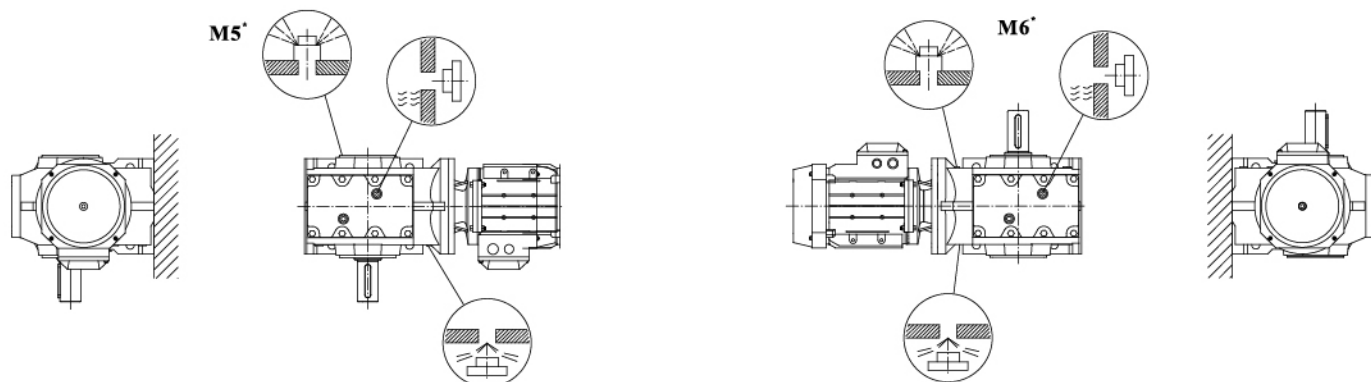
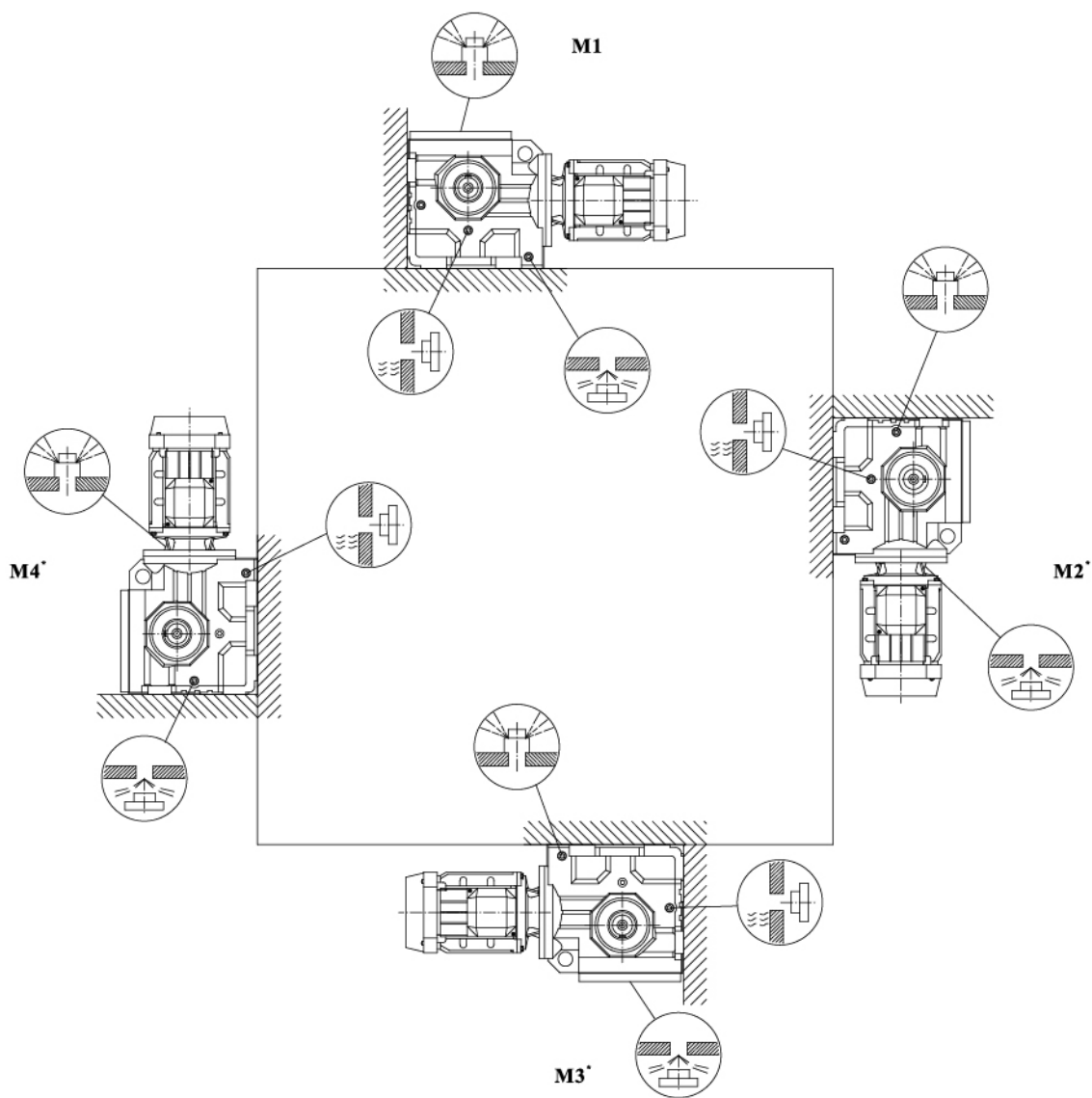
S37



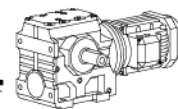
S47~97

S 系列

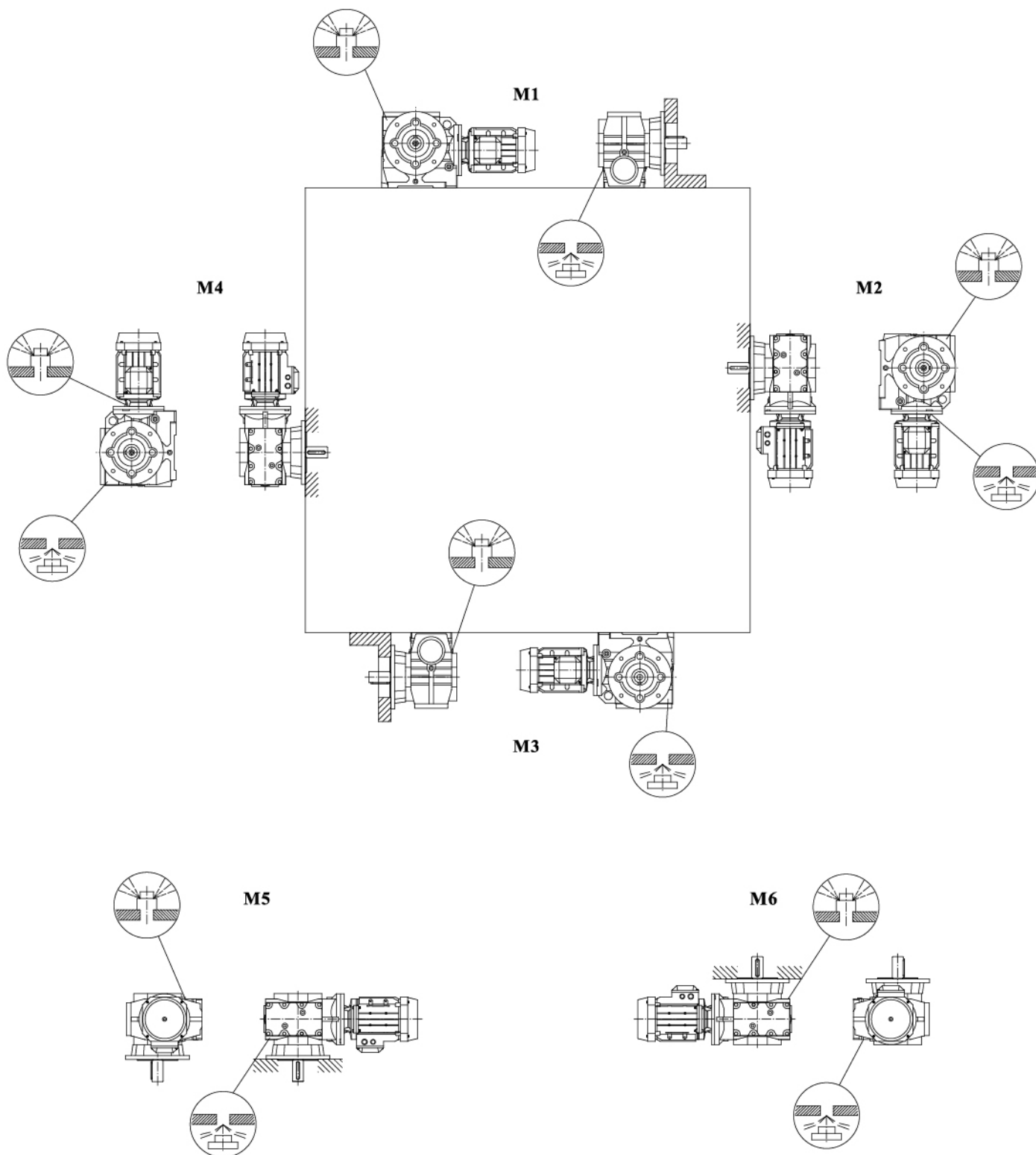
斜齿轮-蜗轮减速电机



* → page 225

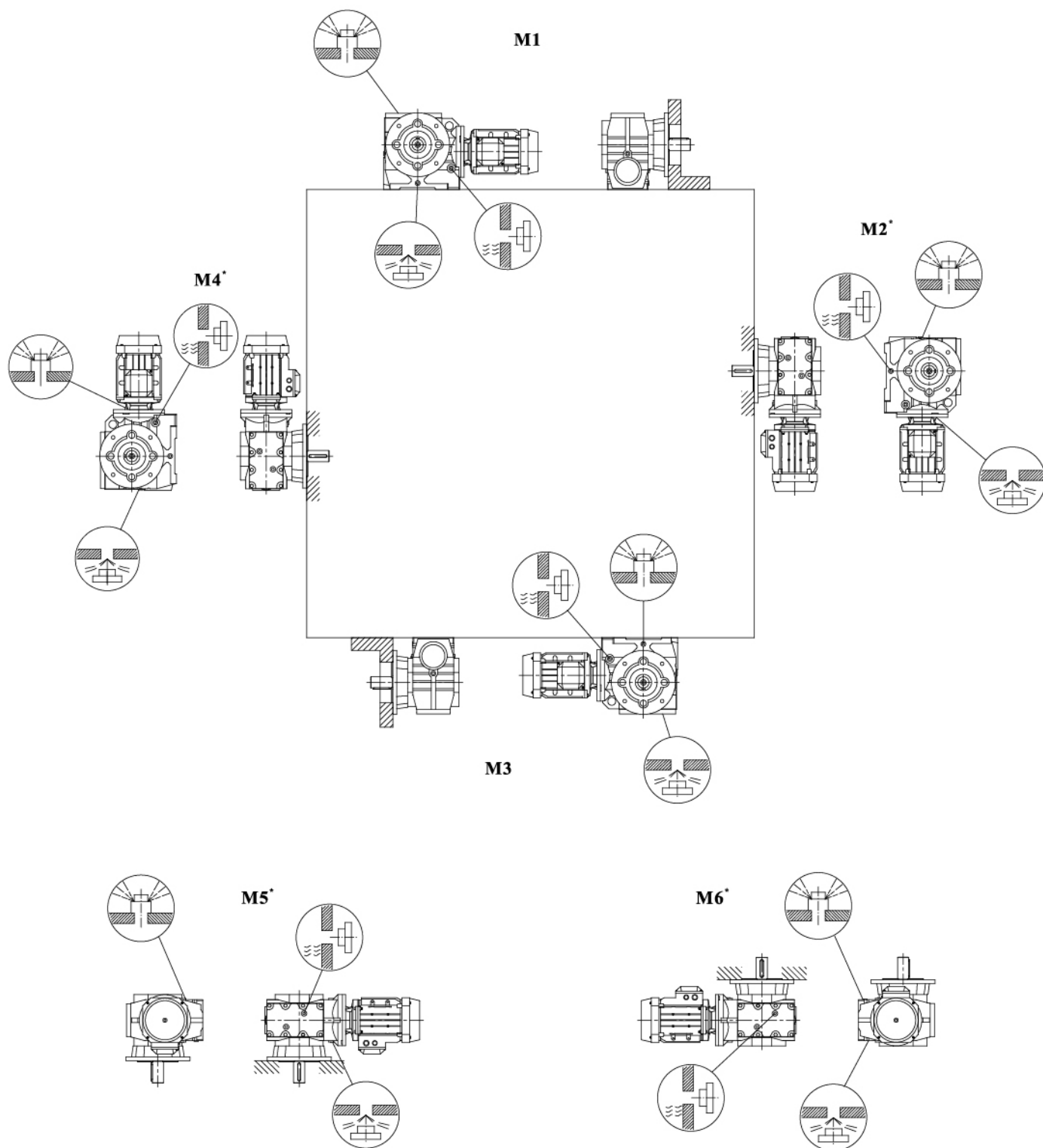


SF/ SAF/ SHF37

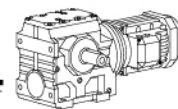


S 系列

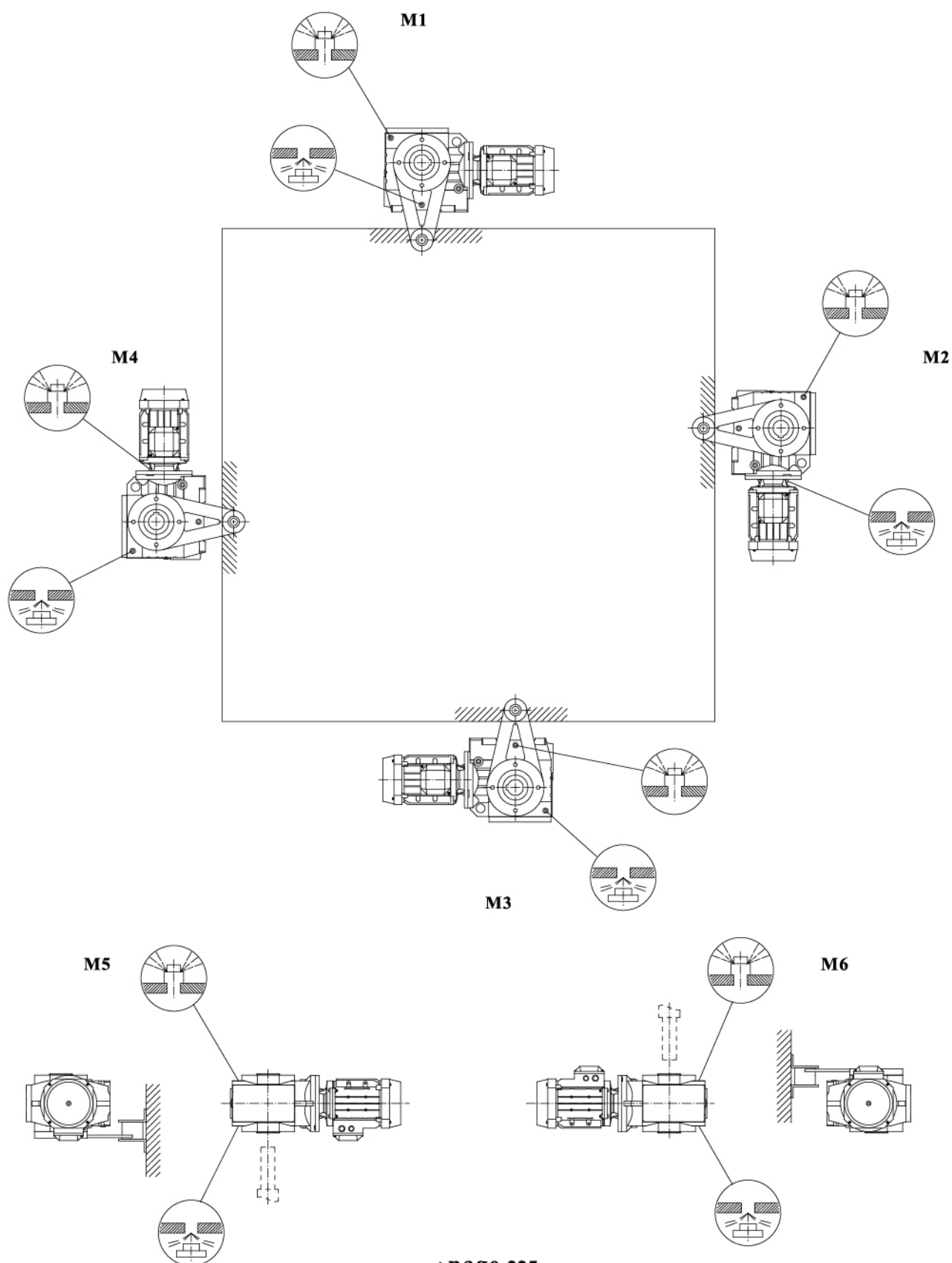
斜齿轮-蜗轮减速机



* → page 225



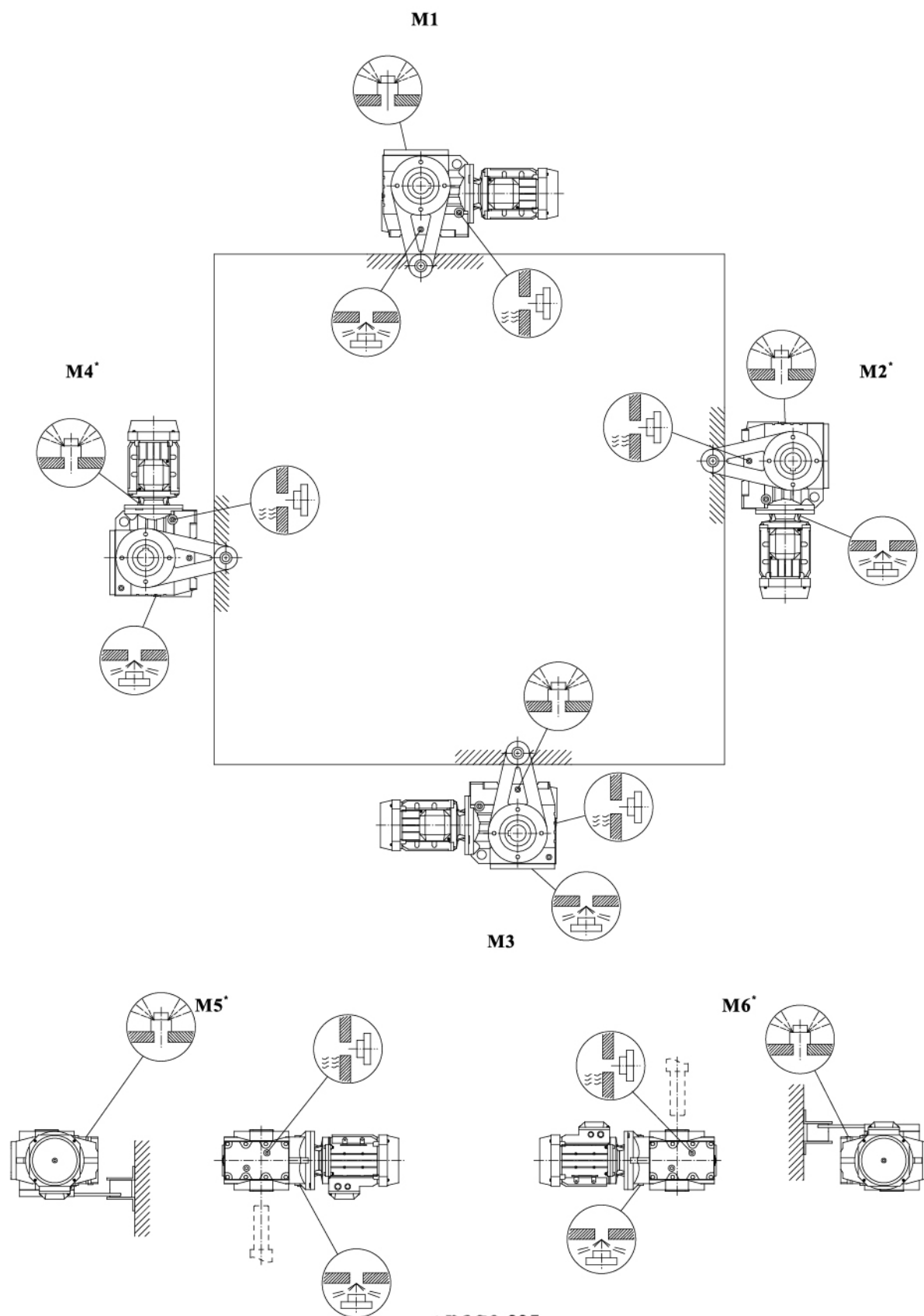
SA/ SH37/T



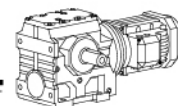
* → page 225

S 系列

斜齿轮-蜗轮减速电机



* → page 225



5.5 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 S 齿轮箱相连的方式实现。

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

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

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

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

	RF17	RF27	RF37	RF47	RF57
S..37					
S..47					
S..57					
S..67					
S..77					
S..87					
S..97					

说明：

- ☐ : 表示可能的组合。
- ☐ : 表示不允许的组合。

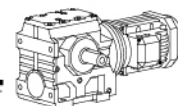
Notes:

- ☐ : Possible Combination.
- ☐ : Impossible Combination.

5.6 S..功率配置 / S..Power Configuration

S37 n ₁ =1400 1/min					92Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10				
8.90	92	3000	157.43						
9.70	92	3000	144.40						
11.0	91	3000	122.94						
13.0	88	3000	106.00						
14.0	87	3000	98.80						
16.0	86	3000	86.36						
17.0	85	3000	80.96						
20.0	84	3000	71.44						
22.0	82	3000	63.33						
25.0	81	3000	55.93						
26.0	80	3000	53.83						
27.0	81	3000	51.30						
32.0	81	3000	43.68						
37.0	79	3000	37.66						
40.0	78	3000	35.10						
46.0	76	2860	30.68						
49.0	75	2800	28.76						
55.0	74	2660	25.38						
62.0	73	2530	22.50						
70.0	52	2470	19.89						
73.0	71	2380	19.13						
77.0	52	2380	18.24						
90.0	50	2240	15.53						
105	49	2110	13.39						
112	48	2060	12.48						
128	48	1940	10.91						
137	47	1900	10.23						
155	46	1810	9.02						
175	45	1730	8.00						
206	43	1630	6.80						
S47 n ₁ =1400 1/min					170Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50			
7.00	170	5340	201.00						
7.60	170	5340	184.80						
8.90	170	5340	158.12						
10.0	168	5350	137.05						
11.0	168	5350	128.10						
13.0	168	5350	110.73						
15.0	168	5350	94.08						
17.0	167	5360	84.00						
20.0	167	5360	71.75						
21.0	167	5360	67.20						
22.0	155	5370	63.80						
24.0	155	5370	56.61						
26.0	155	5150	54.59						
30.0	155	4850	47.32						
32.0	155	4710	44.22						
37.0	155	4420	38.23						
43.0	155	4120	32.48						
48.0	155	3920	29.00						
57.0	155	3650	24.77						
60.0	152	3570	23.20						
69.0	110	3370	20.33						
72.0	144	3370	19.54						
79.0	110	3160	17.62						
85.0	110	3060	16.47						
98.0	110	2850	14.24						
116	109	2650	12.10						
130	109	2500	10.80						
152	109	2310	9.23						
162	109	2230	8.64						
192	103	2110	7.28						

S47 n ₁ =1400 1/min					170Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50			
13.0	168	5350	110.73						
15.0	168	5350	94.08						
17.0	167	5360	84.00						
20.0	167	5360	71.75						
20.0	155	5370	69.39						
21.0	167	5360	67.20						
22.0	155	5370	63.80						
25.0	165	5320	56.61						
26.0	155	5150	54.59						
30.0	155	4850	47.32						
32.0	155	4710	44.22						
37.0	155	4420	38.23						
43.0	155	4120	32.48						
48.0	155	3920	29.00						
57.0	155	3650	24.77						
60.0	152	3570	23.20						
69.0	110	3370	20.33						
72.0	144	3370	19.54						
79.0	110	3160	17.62						
85.0	110	3060	16.47						
98.0	110	2850	14.24						
116	109	2650	12.10						
130	109	2500	10.80						
152	109	2310	9.23						
162	109	2230	8.64						
192	103	2110	7.28						
S57 n ₁ =1400 1/min					295Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00		
7.00	295	7130	201.00						
7.60	295	7130	184.80						
8.90	295	7130	158.12						
10.0	295	7130	137.05						
11.0	295	7130	128.10						
13.0	295	7130	110.73						
15.0	295	7130	94.08						
17.0	295	7130	84.00						
20.0	290	7170	71.75						
20.0	245	7520	69.39						
21.0	285	7220	67.20						
22.0	245	7520	63.80						



S57 $n_1=1400$ 1/min				295Nm					
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	0.12 ~0.55	0.75 1.10	1.50	2.20 3.00		
25.0	265	7370	56.61						
26.0	245	7520	54.59						
30.0	245	7520	47.32						
32.0	245	7520	44.22						
37.0	245	7320	38.23						
43.0	245	6840	32.48						
48.0	245	6520	29.00						
57.0	245	6100	24.77						
60.0	245	5930	23.20						
69.0	168	5690	20.33						
72.0	215	5720	19.54						
79.0	168	5350	17.62						
85.0	168	5200	16.47						
98.0	169	4860	14.24						
116	169	4520	12.10						
130	169	4290	10.80						
152	169	3990	9.23						
162	166	3900	8.64						
192	146	3790	7.28						

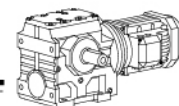
S67 $n_1=1400$ 1/min				520Nm					
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	0.25 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50
6.40	520	8680	217.41						
7.40	520	8680	190.11						
7.80	520	8680	180.60						
8.80	520	8680	158.45						
10.0	520	8680	134.40						
12.0	520	8680	121.33						
13.0	520	8680	106.75						
14.0	520	8680	100.80						
16.0	520	8680	85.83						
18.0	520	8680	78.00						
19.0	480	9020	75.06						
21.0	520	8680	67.57						
21.0	480	9020	65.63						
22.0	480	9020	62.35						
24.0	500	8850	58.80						
26.0	480	8670	54.70						
30.0	480	8060	46.40						

S67 $n_1=1400$ 1/min				520Nm						
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	0.25 ~0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50	
33.0	480	7690	41.89							
38.0	480	7250	36.85							
40.0	480	7060	34.80							
47.0	480	6540	29.63							
52.0	480	6240	26.93							
57.0	340	6040	24.44							
60.0	480	5810	23.33							
60.0	340	5890	23.22							
69.0	340	5520	20.37							
69.0	425	5760	20.30							
81.0	340	5080	17.28							
90.0	340	4820	15.60							
102	340	4510	13.73							
108	340	4310	12.96							
127	340	3660	11.03							
140	340	3290	10.03							
161	335	2860	8.69							
185	295	3220	7.56							

S77 $n_1=1400$ 1/min				1270Nm						
n_2 [1/min]	M_{2max} [Nm]	Fr [N]	i	0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50	
5.50	1270	11700	256.47							
6.20	1270	11700	225.26							
6.50	1270	11700	214.00							
7.40	1270	11700	189.09							
8.70	1260	11800	161.60							
9.40	1240	12000	148.15							
11.0	1210	12200	130.00							
11.0	1200	12300	123.20							
13.0	1170	12600	107.83							
14.0	1140	12800	97.14							
16.0	1100	13100	85.22							
19.0	1070	12800	75.20							
19.0	1100	11900	75.09							
20.0	1100	11600	71.33							
21.0	1040	12300	66.67							
22.0	1100	10900	63.03							
25.0	990	11600	56.92							
26.0	1100	10100	53.87							
28.0	1100	9650	49.38							
32.0	1100	9010	43.33							
34.0	1100	8750	41.07							
39.0	1100	8140	35.94							
43.0	1090	7720	32.38							

S77 n ₁ =1400 1/min					1270Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.55	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50
49.0	1050	7370	28.41						
56.0	1020	7010	25.07						
61.0	705	5960	22.89						
63.0	980	6740	22.22						
67.0	705	5380	20.99						
74.0	930	6390	18.97						
76.0	705	4550	18.42						
80.0	710	4120	17.45						
92.0	710	3320	15.28						
102	710	2710	13.76						
116	720	1800	12.07						
131	720	1130	10.65						
148	725	415	9.44						
174	680	440	8.06						
S87 n ₁ =1400 1/min					2280Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0
4.90	2280	27900	288.00						
5.40	2280	27900	258.18						
6.30	2280	27900	222.40						
6.90	2260	28000	202.96						
7.80	2210	28100	180.00						
9.30	2150	28200	151.30						
10.0	2100	28300	139.05						
11.0	2060	28300	123.48						
13.0	2000	28400	110.40						
14.0	1960	29100	99.26						
15.0	1510	28600	91.20						
16.0	1880	29000	86.15						
17.0	1600	28700	81.76						
18.0	1820	29000	77.14						
20.0	1600	29000	70.43						
22.0	1600	28900	64.27						
22.0	1700	28900	64.00						
25.0	1600	29000	57.00						
29.0	1600	29000	47.91						
32.0	1600	29000	44.03						
36.0	1600	28200	39.10						
40.0	1600	27100	34.96						
45.0	1600	26000	31.43						
51.0	1600	24700	27.28						
55.0	1240	23400	25.50						
57.0	1600	23700	24.43						
65.0	1240	21800	21.43						

S87 n ₁ =1400 1/min					2280Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	0.75 1.10	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0
69.0	1600	22100	20.27						
71.0	1240	21100	19.70						
80.0	1240	20200	17.49						
90.0	1240	19300	15.64						
100	1240	18500	14.06						
115	1240	17400	12.21						
128	1240	16400	10.93						
154	1140	15900	9.07						
178	1010	15700	7.88						
S97 n ₁ =1400 1/min					4000Nm				
n ₂ [1/min]	M _{2max} [Nm]	Fr [N]	i	1.50	2.20 3.00	4.00	5.50 7.50	11.0 15.0	18.5 22.0
4.90	4000	33200	286.40						
5.30	4000	33200	262.22						
6.00	4000	33200	231.67						
7.10	4000	33200	196.52						
7.70	3920	33400	180.95						
8.70	3840	33500	161.74						
9.60	3730	33700	145.60						
11.0	3650	33900	131.85						
12.0	3510	34100	116.92						
13.0	3440	34300	105.71						
16.0	3240	34600	89.60						
17.0	3230	34600	80.85						
18.0	3080	34800	78.26						
20.0	3300	34500	71.43						
21.0	2900	35100	65.45						
23.0	3300	34500	60.59						
25.0	3300	34500	55.79						
28.0	3300	34500	49.87						
31.0	3300	34100	44.89						
34.0	3300	32800	40.65						
39.0	3300	31300	36.05						
43.0	3200	30400	32.60						
51.0	3010	29000	27.63						
53.0	2600	26100	26.39						
58.0	2870	28000	24.13						
59.0	2600	24500	23.59						
66.0	2600	22800	21.23						
73.0	2600	21200	19.23						
82.0	2570	19700	17.05						
91.0	2470	19400	15.42						
107	2330	18800	13.07						
123	2210	18400	11.41						
147	2040	18200	9.55						
169	1770	18800	8.26						



5.7 S..性能参数 / S.. Performance Parameters

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P ₁ =0.12kw								
0.12	4740	11267	25100	0.90	S	97	RF57	Y..63M ₁ -4 AM63 AD2
0.14	4330	10078	32500	0.95	SF	97	RF57	
0.16	3590	8608	34000	1.15	SA	97	RF57	
0.18	3180	7554	34700	1.30	SAF	97	RF57	
0.21	2690	6706	27100	0.95	S	87	RF57	Y..63M ₁ -4 AM63 AD2
0.23	2400	5875	27700	1.05	SF	87	RF57	
0.27	1980	5187	28500	1.25	SA	87	RF57	
0.30	1760	4606	28800	1.40	SAF	87	RF57	
0.36	1460	3872	29200	1.70				
0.39	1370	3540	7240	0.90				
0.45	1200	3098	12300	1.05				
0.58	1320	2374	10600	0.95	S	77	RF37	Y..63M ₁ -4 AM63 AD2
0.66	1160	2083	12600	1.05	SF	77	RF37	
0.76	980	1813	13900	1.25	SA	77	RF37	
0.79	930	1745	14200	1.30	SAF	77	RF37	
0.86	860	1600	14600	1.45				
0.98	755	1404	15100	1.65				
1.10	660	1245	15500	1.90				
1.20	585	1194	7990	0.95				
1.30	530	1045	8560	1.05				
1.50	455	914	9180	1.25	S	67	RF37	Y..63M ₁ -4 AM63 AD2
1.70	415	809	9460	1.35	SF	67	RF37	
1.90	365	712	9780	1.55	SA	67	RF37	
2.20	305	615	10100	1.85	SAF	67	RF37	
2.50	275	543	10200	2.10				
2.90	225	469	10400	2.50				
3.30	200	424	10500	2.80				
3.80	187	365	10500	3.00				
2.10	325	655	6800	0.90				
2.40	285	574	7200	1.05				
2.70	250	506	7480	1.20	S	57	RF17	Y..63M ₁ -4 AM63
3.20	215	438	7700	1.40	SF	57	RF17	
3.60	189	388	7850	1.60	SA	57	RF17	
4.10	169	336	7950	1.80	SAF	57	RF17	
4.70	145	294	8050	2.10				
5.10	139	269	8070	2.20				
3.20	215	438	5010	0.85				
3.60	189	388	5170	1.00				
4.10	168	336	5290	1.10	S	47	RF17	Y..63M ₁ -4 AM63
4.70	143	294	5420	1.30	SF	47	RF17	
5.40	98	257	5660	1.90	SA	47	RF17	
6.00	118	229	5550	1.55	SAF	47	RF17	
6.90	102	200	5610	1.80				
7.40	96	187	5640	1.95				
6.80	103	202	3000	0.90				
7.70	91	179	3000	1.00	S	37	RF17	Y..63M ₁ -4 AM63
8.70	82	158	3000	1.15	SF	37	RF17	
9.60	75	144	3000	1.20	SA	37	RF17	
12.0	61	118	3000	1.50	SAF	37	RF17	
13.0	57	110	3000	1.60				

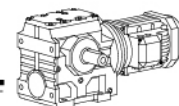
n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P ₁ =0.12kw								
6.90	95	201.00	5680	1.80				
7.50	89	184.80	5700	1.90	S	47		Y..63M ₁ -4 AM63 AD1
8.70	77	158.12	5740	2.20	SF	47		
10.0	68	137.05	5780	2.50	SA	47		
11.0	64	128.10	5790	2.60	SAF	47		
12.0	57	110.73	5810	3.00				
8.80	74	157.43	3000	1.25				
9.60	68	144.40	3000	1.35				
11.0	60	122.94	3000	1.55	S	37		Y..63M ₁ -4 AM63 AD1
13.0	52	106.00	3000	1.70	SF	37		
14.0	49	98.80	3000	1.75	SA	37		
16.0	44	86.36	3000	1.95	SAF	37		
17.0	41	80.96	3000	2.10				
19.0	37	71.44	3000	2.30	S	37		Y..63M ₁ -4 AM63 AD1
22.0	33	63.33	3000	2.50	SF	37		
25.0	35	55.93	3000	2.30	SA	37		
					SAF	37		
27.0	33	51.30	3000	2.50				
32.0	28	43.68	3000	2.90				
37.0	24	37.66	3000	3.20				
39.0	23	35.10	3000	3.40				
45.0	20	30.68	3000	3.70	S	37		Y..63M ₁ -4 AM63 AD1
48.0	19	28.76	3000	3.90	SF	37		
54.0	17	25.38	3000	4.40	SA	37		
61.0	15	22.50	3000	4.80	SAF	37		
69.0	14	19.89	3000	3.60				
76.0	13	18.24	3000	3.90				
89.0	11	15.53	2870	4.40				
P ₁ =0.18kw								
0.29	3010	4606	19200	0.85				
0.34	2510	3872	27500	1.00				
0.38	2420	3475	27700	1.05	S	87	RF57	Y..63M ₂ -4 AM63 AD2
0.45	2030	2905	28400	1.25	SF	87	RF57	
0.51	1760	2586	28800	1.40	SA	87	RF57	
0.57	1570	2335	29100	1.60	SAF	87	RF57	
0.64	1360	2054	29300	1.85				
0.72	1200	1824	29500	2.10				
0.81	1080	1631	29600	2.30	S	87	RF57	Y..63M ₂ -4 AM63 AD3
					SF	87	RF57	
					SA	87	RF57	
					SAF	87	RF57	
0.94	1240	1404	11900	1.00	S	77	RF37	Y..63M ₂ -4 AM63 AD2
1.10	1090	1245	13200	1.15	SF	77	RF37	
					SA	77	RF37	
					SAF	77	RF37	

S 系列

斜齿轮-蜗轮减速电机

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P ₁ =0.18kw								
1.20	1020	1100	13700	1.20	S SF SA SAF	77 77 77 77	RF37 RF37 RF37 RF37	Y..63M ₂ -4 AM63 AD2
1.40	870	954	14500	1.40				
1.60	770	837	15000	1.60				
1.80	640	714	15600	1.95				
2.10	565	637	15800	2.20				
2.30	515	574	16000	2.40				
1.90	600	712	7860	0.95	S SF SA SAF	67 67 67 67	RF37 RF37 RF37 RF37	Y..63M ₂ -4 AM63 AD2
2.20	505	615	8800	1.15				
2.40	450	543	9230	1.25				
2.80	375	469	9720	1.50				
3.10	340	424	9930	1.65				
3.60	305	365	10100	1.85				
3.00	355	438	6520	0.85	S SF SA SAF	57 57 57 57	RF17 RF17 RF17 RF17	Y..63M ₂ -4 AM63 -
3.40	310	388	6970	0.95				
3.90	275	336	7290	1.10				
4.50	235	294	7560	1.25				
4.90	225	269	7650	1.35				
5.80	193	229	7830	1.55				
6.50	174	204	7920	1.75				
7.00	159	187	7990	1.90				
4.50	235	294	4480	0.80	S SF SA SAF	47 47 47 47	RF17 RF17 RF17 RF17	Y..63M ₂ -4 AM63 -
5.10	162	257	5380	1.15				
5.80	190	229	5170	0.95				
6.60	167	200	5300	1.10				
7.00	156	187	5360	1.20				
8.00	138	165	5450	1.35				
9.00	124	148	5520	1.50				
10.0	110	131	5580	1.70				
4.00	250	217.41	10300	2.20	S SF SA SAF	67 67 67 67		Y..71M ₁ -6 AM71 AD2
4.60	220	190.11	10400	2.50				
4.80	210	180.60	10400	2.60				
4.30	220	201.00	7670	1.35	S SF SA SAF	57 57 57 57		Y..71M ₁ -6 AM71 AD1
4.70	205	184.80	7760	1.45				
5.50	180	158.12	7900	1.65				
6.40	158	137.05	7990	1.85				
6.60	154	201.00	8010	1.90	S SF SA SAF	57 57 57 57		Y..63M ₂ -4 AM63 AD1
7.10	143	184.80	8050	2.10				
8.40	125	158.12	8120	2.40				
9.60	110	137.05	8160	2.70				
4.30	210	201.00	5090	0.85	S SF SA SAF	47 47 47 47		Y..71M ₁ -6 AM71 AD1
4.70	199	184.80	5180	0.90				
5.50	173	158.12	5320	1.00				
6.40	153	137.05	5420	1.10				
6.80	144	128.10	5460	1.20				
6.60	149	201.00	5440	1.15	S SF SA SAF	47 47 47 47		Y..63M ₂ -4 AM63 AD1
7.10	138	184.80	5490	1.25				
8.40	121	158.12	5570	1.40				
9.60	106	137.05	5630	1.60				
10.0	100	128.10	5660	1.65				
12.0	88	110.73	5700	1.90				

n_2 [1/min]	M_2 [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P ₁ =0.18kw								
14.0	77	94.08	5750	2.20	S SF SA SAF	47 47 47 47	Y..63M ₂ -4 AM63 AD1	
16.0	69	84.00	5770	2.40				
18.0	60	71.75	5800	2.80				
19.0	69	69.39	5750	2.20				
8.40	115	157.43	3000	0.80	S SF SA SAF	37 37 37 37	Y..63M ₂ -4 AM63 AD1	
9.10	107	144.40	3000	0.85				
11.0	93	122.94	3000	1.00				
12.0	82	106.00	3000	1.10				
13.0	77	98.80	3000	1.15				
15.0	68	86.36	3000	1.25				
16.0	64	80.96	3000	1.30				
18.0	58	71.44	3000	1.45	S SF SA SAF	37 37 37 37	Y..63M ₂ -4 AM63 AD1	
21.0	52	63.33	3000	1.60				
24.0	55	55.93	3000	1.45				
26.0	51	51.30	3000	1.60				
30.0	44	43.68	3000	1.85				
35.0	38	37.66	3000	2.10				
38.0	36	35.10	3000	2.20				
43.0	32	30.68	3000	2.40				
46.0	30	28.76	3000	2.50				
52.0	26	25.38	3000	2.80				
59.0	24	22.50	3000	3.10				
66.0	22	19.89	3000	2.30				
72.0	21	18.24	2940	2.50				
85.0	18	15.53	2810	2.80				
99.0	15	13.39	2700	3.20	S SF SA SAF	37 37 37 37	Y..63M ₂ -4 AM63 AD2	
106	14	12.48	2650	3.40				
121	13	10.91	2550	3.80				
129	12	10.23	2500	4.00				
P ₁ =0.25kw								
0.45	2930	2905	22200	0.85	S SF SA SAF	87 87 87 87	Y..71M ₁ -4 AM71 AD2	
0.50	2560	2586	27400	1.00				
0.56	2290	2335	27900	1.10				
0.63	1990	2054	28400	1.25				
0.71	1770	1824	28800	1.40				
0.80	1580	1631	29100	1.60	S SF SA SAF	87 87 87 87	Y..71M ₁ -4 AM71 AD3	
1.40	930	930	29700	2.70				
1.40	1250	954	11800	1.00	S SF SA SAF	77 77 77 77	Y..71M ₁ -4 AM71 AD2	
1.60	1100	837	13100	1.10				
1.80	920	714	14200	1.35				
2.00	820	637	14800	1.50				
2.30	745	574	15200	1.65				
2.60	635	499	15600	1.95				
2.40	650	543	6280	0.85	S SF SA SAF	67 67 67 67	Y..71M ₁ -4 AM71 AD2	
2.80	550	469	8390	1.05				
3.10	495	424	8880	1.15				
3.60	440	365	9320	1.30				
4.10	380	319	9700	1.50				
4.60	335	281	9960	1.70				

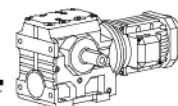


n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P ₁ =0.25kw								
4.40	340	340	6640	0.85	S SF SA SAF	57 57 57 57	RF17 RF17 RF17 RF17	Y..71M ₁ -4 AM71 -
4.80	320	320	6870	0.95				
5.70	275	275	7280	1.10				
6.40	245	245	7490	1.20				
6.90	225	187	7630	1.30				
7.90	200	165	7780	1.50				
9.90	162	131	7980	1.85				
4.10	340	217.41	9920	1.65	S	67		Y..71M ₂ -6 AM71 AD2
4.70	300	190.11	10100	1.85	SF	67		
5.00	290	180.60	10200	1.90	SA	67		
5.60	255	158.45	10300	2.10	SAF	67		
6.00	245	217.41	10300	2.10	S SF SA SAF	67 67 67 67		Y..71M ₁ -4 AM71 AD2
6.80	215	190.11	10400	2.40				
7.20	205	180.60	10500	2.50				
8.20	187	158.45	10500	2.80				
9.70	161	134.40	10600	3.20				
11.0	147	121.33	10600	3.50				
12.0	131	106.75	10700	4.00				
4.40	300	201.00	7080	1.00	S SF SA SAF	57 57 57 57		Y..71M ₂ -6 AM71 AD1
4.80	275	184.80	7270	1.10				
5.70	240	158.12	7530	1.20				
6.50	210	137.05	7710	1.35				
7.00	200	128.10	7780	1.45				
6.50	215	201.00	7700	1.35	S SF SA SAF	57 57 57 57		Y..71M ₁ -4 AM71 AD1
7.00	200	184.80	7790	1.45				
8.20	176	158.12	7920	1.70				
9.50	155	137.05	8010	1.90				
10.0	146	128.10	8040	2.00				
12.0	128	110.73	8110	2.30				
14.0	111	94.08	8160	2.60				
15.0	100	84.00	8190	2.90				
6.50	205	201.00	5120	0.80	S SF SA SAF	47 47 47 47		Y..71M ₁ -4 AM71 AD1
7.00	194	184.80	5210	0.85				
8.20	170	158.12	5340	1.00				
9.50	150	137.05	5440	1.10				
10.0	141	128.10	5480	1.20				
12.0	124	110.73	5560	1.35				
14.0	108	94.08	5630	1.55				
15.0	98	84.00	5670	1.70				
18.0	85	71.75	5720	1.95				
19.0	97	69.39	5640	1.60				
19.0	80	67.20	5740	2.10				
20.0	90	63.80	5670	1.70				
24.0	78	54.59	5720	2.00				
27.0	68	47.32	5760	2.30				
13.0	108	98.80	3000	0.80	S SF SA SAF	37 37 37 37		Y..71M ₁ -4 AM71 AD1
15.0	96	86.36	3000	0.90				
16.0	91	80.96	3000	0.95				
18.0	81	71.44	3000	1.05				
21.0	73	63.33	3000	1.10				
23.0	78	55.93	3000	1.05				
25.0	72	51.30	3000	1.15				
30.0	62	43.68	3000	1.30				

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P _i =0.25kw							
35.0	54	37.66	3000	1.45	S	37	Y..71M ₁ -4 AM71 AD1
37.0	51	35.10	3000	1.55	SF	37	
					SA	37	
					SAF	37	
42.0	45	30.68	3000	1.70	S	37	Y..71M ₁ -4 AM71 AD1
45.0	42	28.76	3000	1.80			
51.0	37	25.38	3000	2.00			
58.0	33	22.50	3000	2.20			
65.0	32	19.89	2870	1.65			
71.0	29	18.24	2820	1.80			
84.0	25	15.53	2710	2.00			
97.0	22	13.39	2620	2.30	S	37	Y..71M ₁ -4 AM71 AD2
104	20	12.48	2570	2.40			
119	18	10.91	2480	2.70			
127	17	10.23	2440	2.80			
144	15	9.02	2360	3.10			
162	13	8.00	2280	3.40			
191	191	6.80	2180	3.80			
92.0	21	28.76	2740	3.00	S	37	Y..63M ₁ -2 AM63 AD1
105	19	25.38	2650	3.30			
118	17	22.50	2560	3.40			
134	16	19.89	2410	2.80			
146	15	18.24	2350	3.00			
171	12	15.53	2250	3.40			
199	11	13.39	2160	3.80			
213	10	12.48	2120	4.00			
P _i =0.37kw							
0.67	2850	2054	24500	0.90	S	87	Y..71M ₁ -4 AM71 AD2
0.76	2530	1824	27400	1.00	SF	87	
					SA	87	
					SAF	87	
0.85	2260	1631	28000	1.10	S	87	Y..71M ₁ -4 AM71 AD3
1.50	1340	930	29400	1.85	SF	87	
1.70	1210	831	29500	2.10	SA	87	
					SAF	87	
1.90	1310	714	11300	0.95	S	77	Y..71M ₁ -4 AM71 AD2
2.20	1160	637	12600	1.05			
2.40	1050	574	13400	1.15			
2.80	900	499	14300	1.35			
3.20	795	438	14900	1.55			
3.60	705	389	15300	1.75			
3.80	620	365	7560	0.90	S	67	Y..71M ₁ -4 AM71 AD2
4.30	540	319	8450	1.05	SF	67	
4.90	475	281	9030	1.20	SA	67	
5.60	430	246	9380	1.30	SAF	67	

n_2 [1/min]	M_2 [Nm]	i	Fr [N]	K	Frame size	Input Configuration
$P_1=0.37kw$						
3.50	635	256.47	15600	2.00	S 77	Y..80M ₁ -6 AM80 AD2
4.00	565	225.26	15800	2.20	SF 77	
4.20	540	214.00	15900	2.30	SA 77	
					SAF 77	
4.20	500	217.41	8830	1.10	S 67	Y..80M ₁ -6 AM80 AD2
4.80	445	190.11	9280	1.25	SF 67	
5.00	425	180.60	9410	1.30	SA 67	
5.70	380	158.45	9710	1.45	SAF 67	
6.40	345	217.41	9900	1.50		Y..71M ₁ -4 AM71 AD2
7.30	305	190.11	10100	1.70	S 67	
7.60	290	180.60	10200	1.75	SF 67	
8.70	260	158.45	10300	2.00	SA 67	
10.0	225	134.40	10400	2.30	SAF 67	
11.0	205	121.33	10500	2.50		
5.70	355	158.12	6510	0.85		Y..80M ₁ -6 AM80 AD1
6.60	310	137.05	6950	0.95	S 57	
7.10	295	128.10	7110	1.00	SF 57	
8.20	260	110.73	7400	1.15	SA 57	
9.60	225	94.08	7640	1.30	SAF 57	
11.0	205	84.00	7770	1.45		
6.90	300	201.00	7050	0.95		Y..71M ₁ -4 AM71 AD1
7.50	280	184.80	7230	1.05		
8.70	245	158.12	7510	1.20	S 57	
10.0	215	137.05	7690	1.35	SF 57	
11.0	205	128.10	7770	1.45	SA 57	
12.0	180	110.73	7900	1.65	SAF 57	
15.0	156	94.08	8000	1.90		
16.0	141	84.00	8060	2.10		
19.0	122	71.75	8130	2.40	S 57	Y..71M ₁ -4 AM71 AD2
20.0	139	69.39	8070	1.75	SF 57	
21.0	115	67.20	8150	2.50	SA 57	
22.0	128	63.80	8110	1.90	SAF 57	
10.0	210	137.05	5110	0.80		Y..71M ₁ -4 AM71 AD1
11.0	198	128.10	5180	0.85		
12.0	175	110.73	5320	0.95		
15.0	151	94.08	5430	1.10		
16.0	137	84.00	5500	1.20	S 47	
19.0	119	71.75	5580	1.40	SF 47	
20.0	136	69.39	5460	1.15	SA 47	
21.0	112	67.20	5610	1.50	SAF 47	
22.0	126	63.80	5510	1.25		
25.0	109	54.59	5590	1.40		
29.0	96	47.32	5410	1.60		
31.0	90	44.22	5330	1.75		
36.0	78	38.23	5140	2.00		
42.0	67	32.48	4930	2.30		Y..71M ₁ -4 AM71 AD2
48.0	60	29.00	4790	2.60	S 47	
56.0	52	24.77	4590	3.00	SF 47	
59.0	49	23.20	4510	3.10	SA 47	
68.0	46	20.33	4180	2.40	SAF 47	
78.0	40	17.62	4030	2.80		
84.0	37	16.47	3960	3.00		

n_2 [1/min]	M_2 [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P _I =0.37kw								
22.0	103	63.33	3000	0.80	S SF SA SAF	37 37 37 37	Y..71M ₁ -4 AM71 AD1	
27.0	101	51.30	3000	0.80				
32.0	87	43.68	3000	0.95				
37.0	76	37.66	3000	1.05				
39.0	71	35.10	3000	1.10				
45.0	62	30.68	3000	1.20				
48.0	59	28.76	3000	1.30				
54.0	52	25.38	2940	1.40				
61.0	47	22.50	2870	1.55				
69.0	44	19.89	2610	1.20				
76.0	41	18.24	2570	1.30				
89.0	35	15.53	2500	1.45				
103	30	13.39	2420	1.60				
111	28	12.48	2390	1.70	S SF SA SAF	37 37 37 37	Y..71M ₁ -4 AM71 AD2	
126	25	10.91	2320	1.95				
135	23	10.23	2280	2.00				
153	21	9.02	2220	2.20				
172	18	8.00	2150	2.40				
203	16	6.80	2070	2.70				
104	28	25.38	2540	2.20	S SF SA SAF	37 37 37 37	Y..71M ₁ -2 AM71 AD1	
118	25	22.50	2460	2.30				
133	24	19.89	2290	1.85				
145	22	18.24	2240	2.00				
171	19	15.53	2160	2.30				
198	16	13.39	2080	2.60	S SF SA SAF	37 37 37 37	Y..71M ₁ -2 AM71 AD2	
212	15	12.48	2040	2.70				
243	13	10.91	1970	3.00				
259	12	10.23	1940	3.10				
294	11	9.02	1870	3.30				
P _I =0.55kw								
1.00	2800	1332	25400	0.90	S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..80M ₁ -4 AM80 AD3
1.20	2530	1191	27400	1.00				
1.30	2200	1032	28100	1.15				
1.50	2030	930	28400	1.25				
1.70	1840	831	28700	1.35				
1.90	1600	719	29000	1.55				
2.20	1390	624	29300	1.80				
2.50	1260	558	29400	2.00				
3.20	1010	435	29700	2.40				
3.20	1200	438	12300	1.05	S SF SA SAF	77 77 77 77	RF37 RF37 RF37 RF37	Y..80M ₁ -4 AM80 AD2
3.60	1070	389	13300	1.15				
4.20	900	327	14400	1.35				
4.80	810	289	14800	1.50				
5.50	705	250	15300	1.75				
5.60	645	246	6520	0.90	S SF SA SAF	67 67 67 67	RF37 RF37 RF37 RF37	Y..80M ₁ -4 AM80 AD2
6.20	580	221	8080	1.00				
7.00	525	198	8590	1.10				
8.20	450	168	9220	1.25				

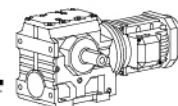


n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =0.55kw							
3.20	1110	288.00	29600	2.20	S	87	Y..80M ₂ -6 AM80 AD2
3.50	1000	258.18	29700	2.40	SF	87	
4.10	880	222.40	29800	2.70	SA	87	
4.50	810	202.96	29800	2.90	SAF	87	
3.60	940	256.47	14200	1.35	S	77	Y..80M ₂ -6 AM80 AD2
4.10	830	225.26	14700	1.50	SF	77	
4.30	800	214.00	14900	1.60	SA	77	
4.80	715	189.09	15300	1.75	SAF	77	
5.70	620	161.60	15600	2.00			
5.40	650	256.47	15500	1.95	S	77	Y..80M ₁ -4 AM80 AD2
6.10	580	225.26	15800	2.20	SF	77	
6.40	550	214.00	15900	2.30	SA	77	
7.30	495	189.09	16000	2.60	SAF	77	
6.40	515	217.41	8720	1.00			Y..80M ₁ -4 AM80 AD2
7.30	455	190.11	9190	1.15			
7.60	435	180.60	9340	1.20			
8.70	385	158.45	9650	1.35	S	67	
10.0	335	134.40	9950	1.55	SF	67	
11.0	305	121.33	10100	1.70	SA	67	
13.0	270	106.75	10200	1.90	SAF	67	
14.0	255	100.80	10300	2.00			
16.0	220	85.83	10400	2.30			
18.0	225	75.06	10400	2.10			
21.0	200	65.63	10500	2.40			
9.70	330	94.08	6760	0.90	S	57	Y..80M ₂ -6 AM80 AD1
11.0	300	84.00	7070	1.00	SF	57	
					SA	57	
					SAF	57	
13.0	260	71.75	7390	1.10			Y..80M ₂ -6 AM80 AD2
14.0	245	67.20	7500	1.20	S	57	
17.0	240	54.59	7540	1.10	SF	57	
19.0	210	47.32	7730	1.30	SA	57	
21.0	199	44.22	7800	1.35	SAF	57	
24.0	173	38.23	7930	1.55			
8.70	365	158.12	6390	0.80			Y..80M ₁ -4 AM80 AD1
10.0	320	137.05	6860	0.90	S	57	
11.0	300	128.10	7040	0.95	SF	57	
12.0	265	110.73	7350	1.10	SA	57	
15.0	230	94.08	7600	1.25	SAF	57	
16.0	205	84.00	7740	1.40			
19.0	182	71.75	7890	1.60			Y..80M ₁ -4 AM80 AD2
21.0	172	67.20	7940	1.65			
25.0	165	54.59	7970	1.50			
29.0	144	47.32	8050	1.70	S	57	
31.0	135	44.22	8080	1.80	SF	57	
36.0	118	38.23	8140	2.10	SA	57	
42.0	101	32.48	7940	2.40	SAF	57	
48.0	91	29.00	7690	2.70			
56.0	78	24.77	7360	3.10			
59.0	74	23.20	7220	3.30			
68.0	68	20.33	6740	2.50			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P _I =0.55kw							
16.0	200	84.00	5160	0.80			Y..80M ₁ -4 AM80 AD1
19.0	177	71.75	5310	0.95	S	47	
21.0	167	67.20	5360	1.00	SF	47	
25.0	162	54.59	5120	0.95	SA	47	
29.0	142	47.32	5000	1.10	SAF	47	
31.0	133	44.22	4940	1.15			
36.0	116	38.23	4800	1.35			Y..80M ₁ -4 AM80 AD2
42.0	100	32.48	4640	1.55			
48.0	90	29.00	4530	1.75			
56.0	77	24.77	4360	2.00			
59.0	73	23.20	4300	2.10	S	47	
68.0	68	20.33	3910	1.60	SF	47	
78.0	59	17.62	3790	1.85	SA	47	
84.0	56	16.47	3740	2.00	SAF	47	
97.0	48	14.24	3620	2.30			
114	41	12.10	3480	2.60			
128	37	10.80	3390	3.00			Y..80M ₁ -4 AM80 AD1
150	32	9.23	3260	3.40			
45.0	93	30.68	2680	0.80			
48.0	87	28.76	2660	0.85	S	37	
54.0	78	25.38	2630	0.95	SF	37	
61.0	69	22.50	2590	1.05	SA	37	
89.0	52	15.53	2230	0.95	SAF	37	Y..80M ₁ -4 AM80 AD2
103	45	13.39	2190	1.10			
72.0	60	19.13	2530	1.20			
111	42	12.48	2170	1.15			
126	37	10.91	2130	1.30			
135	35	10.23	2110	1.35	S	37	Y..80M ₁ -4 AM80 AD2
153	31	9.02	2060	1.50	SF	37	
172	27	8.00	2010	1.65	SA	37	
203	23	6.80	1950	1.85	SAF	37	
98.0	45	28.76	2400	1.45			
111	40	25.38	2340	1.55			Y..71M ₂ -2 AM71 AD1
125	35	22.50	2290	1.60			
141	33	19.89	2090	1.35	S	37	
154	30	18.24	2060	1.45	SF	37	
181	26	15.53	2000	1.60	SA	37	
210	23	13.39	1930	1.80	SAF	37	
225	21	12.48	1900	1.90			
258	18	10.91	1850	2.10			
275	17	10.23	1820	2.20			
311	15	9.02	1770	2.30			
351	14	8.00	1710	2.60			Y..80M ₂ -4 AM80 AD2
413	12	6.80	1640	2.50			
P _I =0.75kw							
1.20	4710	1223	23400	0.90	S	97	Y..80M ₂ -4 AM80 AD2
1.30	4130	1070	32200	1.00	SF	97	
1.60	3550	928	34000	1.20	SA	97	
1.70	3140	824	34700	1.35	SAF	97	

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size			Input Configuration
P ₁ =0.75kw								
2.00	2240	714	35900	1.85	S	97	RF57	Y..80M ₁ -4 AM80 AD3
2.30	2380	626	35800	1.75	SF	97	RF57	
2.70	2040	538	36100	2.00	SA	97	RF57	
3.00	1850	484	36300	2.30	SAF	97	RF57	
1.40	2940	1032	21700	0.85	S	87	RF57	Y..80M ₁ -4 AM80 AD3
1.50	2710	930	27000	0.90		87	RF57	
1.70	2450	831	27600	1.00		87	RF57	
2.00	2130	719	28200	1.15		87	RF57	
2.30	1860	624	28700	1.35		87	RF57	
2.60	1680	558	28900	1.50		87	RF57	
3.30	1340	435	29300	1.80				
4.40	1030	323	29700	2.30				
4.40	1200	327	12300	1.05	S	77	RF37	Y..80M ₁ -4 AM80 AD2
5.00	1080	289	13200	1.15	SF	77	RF37	
5.70	930	250	14200	1.30	SA	77	RF37	
6.60	820	219	14800	1.50	SAF	77	RF37	
3.30	1480	288.00	29200	1.65	S	87		Y..90S-6 AM90 AD2
3.60	1340	258.18	29400	1.80	SF	87		
4.20	1170	222.40	29500	2.00	SA	87		
4.60	1080	202.96	29600	2.20	SAF	87		
5.00	1010	288.00	29700	2.20	S	87		Y..80M ₁ -4 AM80 AD2
5.60	910	258.18	29800	2.50	SF	87		
6.40	800	222.40	29800	2.80	SA	87		
7.10	735	202.96	29900	3.10	SAF	87		
4.20	1110	225.26	13000	1.15	S	77		Y..90S-6 AM90 AD2
4.40	1060	214.00	13400	1.20	SF	77		
5.00	950	189.09	14100	1.35	SA	77		
5.80	820	161.60	14800	1.55	SAF	77		
5.60	850	256.47	14600	1.50	S	77		Y..80M ₁ -4 AM80 AD2
6.40	760	225.26	15100	1.65		77		
6.70	730	214.00	15200	1.75		77		
7.60	650	189.09	15500	1.95		77		
8.90	565	161.60	15800	2.20		77		
9.70	520	148.15	16000	2.40		77		
11.0	460	130.00	16000	2.60		77		
12.0	440	123.20	16000	2.70				
13.0	390	107.83	16000	3.00				
7.60	600	190.11	7820	0.85	S	67		Y..80M ₁ -4 AM80 AD2
8.00	575	180.60	8120	0.90		67		
9.10	510	158.45	8740	1.00		67		
11.0	440	134.40	9300	1.15		67		
12.0	400	121.33	9560	1.30		67		
13.0	360	106.75	9820	1.45		67		
14.0	340	100.80	9920	1.50		67		
17.0	295	85.83	10100	1.75		67		
19.0	300	75.06	10100	1.60		67		
22.0	260	65.63	10300	1.80		67		
23.0	250	62.35	10300	1.90		67		
26.0	220	54.70	10200	2.20		67		
31.0	191	46.40	9740	2.50		67		

n_2 [1/min]	M_2 [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =0.75kw							
13.0	345	71.75	6590	0.85	S SF SA SAF	57 57 57 57	Y..90S-6 AM90 AD2
14.0	330	67.20	6800	0.90			
17.0	280	56.61	7230	1.05			
20.0	280	47.32	7250	0.95			
21.0	260	44.22	7380	1.00			
13.0	350	110.73	6550	0.85	S SF SA SAF	57 57 57 57	Y..80M ₁ -4 AM80 AD1
15.0	305	94.08	7040	0.95			
17.0	275	84.00	7290	1.05			
20.0	235	71.75	7560	1.20	S SF SA SAF	57 57 57 57	Y..80M ₁ -4 AM80 AD2
21.0	225	67.20	7640	1.25			
26.0	215	54.59	7700	1.15			
30.0	190	47.32	7850	1.30			
32.0	178	44.22	7910	1.40			
38.0	155	38.23	7910	1.60			
44.0	133	32.48	7590	1.85			
49.0	119	29.00	7380	2.00			
58.0	103	24.77	7080	2.40			
62.0	96	23.20	6950	2.50			
71.0	90	20.33	6420	1.90			
81.0	78	17.62	6200	2.20			
87.0	73	16.47	6100	2.30			
101	64	14.24	5870	2.70			
30.0	187	47.32	4510	0.85	S SF SA SAF	47 47 47 47	Y..80M ₁ -4 AM80 AD1
32.0	175	44.22	4480	0.90			
38.0	153	38.23	4400	1.00	S SF SA SAF	47 47 47 47	Y..80M ₁ -4 AM80 AD2
44.0	131	32.48	4290	1.20			
49.0	118	29.00	4200	1.30			
58.0	102	24.77	4080	1.55			
62.0	96	23.20	4030	1.60			
71.0	89	20.33	3590	1.25			
81.0	78	17.62	3510	1.40			
87.0	73	16.47	3470	1.50			
101	63	14.24	3380	1.75			
119	54	12.10	3280	2.00			
133	48	10.80	3200	2.20			
156	42	9.23	3090	2.60	S SF SA SAF	47 47 47 47	Y..80M ₁ -4 AM80 AD2
166	39	8.64	3040	2.80			
197	33	7.28	2920	3.10			
75.0	78	19.13	2260	0.90	S SF SA SAF	37 37 37 37	Y..80M ₁ -4 AM80 AD2
115	55	12.48	1930	0.85			
132	48	10.91	1910	1.00			
140	46	10.23	1900	1.05			
159	40	9.02	1880	1.15			
179	36	8.00	1850	1.25			
211	31	6.80	1800	1.40			



n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration	
P ₁ =0.75kw								
151	40	19.13	2060	1.10	S SF SA SAF	37	Y..80M ₁ -2 AM80 AD2	
216	30	13.39	1800	1.35				
232	28	12.48	1780	1.45				
265	24	10.91	1730	1.60				
283	23	10.23	1710	1.65				
320	20	9.02	1670	1.75				
361	18	8.00	1630	1.95				
425	16	6.80	1570	1.85				
P ₁ =1.10kw								
1.70	4700	824	23500	0.90	S SF SA SAF	97 97 97 97	RF57 RF57 RF57 RF57	Y..90S-4 AM90 AD2
2.00	3360	714	34400	1.25	S SF SA SAF	97 97 97 97	RF57 RF57 RF57 RF57	Y..90S-4 AM90 AD3
2.30	3570	626	34000	1.15				
2.60	3070	538	34800	1.35				
2.90	2780	484	35300	1.50				
3.40	2410	420	35700	1.75				
2.30	2800	624	25500	0.90	S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..90S-4 AM90 AD3
2.60	2530	558	27400	1.00				
2.90	2230	485	28000	1.10				
3.30	2030	435	28400	1.20				
3.80	1780	378	28800	1.35				
4.40	1550	323	29100	1.55				
5.00	1360	281	29300	1.75				
5.60	1450	255	29200	1.35				
6.40	1270	222	29400	1.55				
6.90	1190	205	29500	1.65				
6.50	1230	219	12000	1.00	S SF SA SAF	77 77 77 77	RF37 RF37 RF37 RF37	Y..90S-4 AM90 AD2
3.30	2260	286.40	35900	1.85	S SF SA SAF	97 97 97 97		Y..90L-6 AM90 AD3
3.60	2080	262.22	36100	2.00				
4.10	1860	231.67	36300	2.20				
3.60	1970	258.18	28500	1.25	S SF SA SAF	87 87 87 87		Y..90L-6 AM90 AD2
4.20	1720	222.40	28900	1.40				
4.60	1580	202.96	29100	1.50				

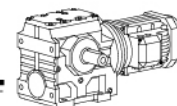
n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =1.10kw							
4.90	1490	288.00	29200	1.50	S SF SA SAF	87	Y..90S-4 AM90 AD2
5.50	1350	258.18	29300	1.70			
6.40	1180	222.40	29500	1.90			
7.00	1080	202.96	29600	2.10			
7.90	970	180.00	29700	2.30			
9.40	830	151.30	29800	2.60			
6.30	1130	225.26	12900	1.10	S SF SA SAF	77	Y..90S-4 AM90 AD2
6.60	1080	214.00	13300	1.15			
7.50	960	189.09	14000	1.30			
8.80	830	161.60	14700	1.50			
9.60	775	148.15	15000	1.60			
11.0	685	130.00	15400	1.75			
12.0	655	123.20	15500	1.85			
13.0	575	107.83	15800	2.00			
15.0	525	97.14	15900	2.20			
17.0	465	85.22	16000	2.40			
12.0	595	121.33	7880	0.85	S SF SA SAF	67	Y..90S-4 AM90 AD2
13.0	530	106.75	8550	0.95			
14.0	505	100.80	8800	1.05			
17.0	435	85.83	9340	1.20			
18.0	400	78.00	9580	1.30			
22.0	390	65.63	9640	1.20			
23.0	370	62.35	9750	1.30			
26.0	330	54.70	9540	1.45			
31.0	280	46.40	9210	1.70			
34.0	255	41.89	9010	1.85			
39.0	225	36.85	8750	2.10			
41.0	215	34.80	8630	2.20			
48.0	185	29.63	8300	2.60			
20.0	350	71.75	6530	0.80			
21.0	330	67.20	6750	0.85			
25.0	285	56.61	7210	0.95			
30.0	280	47.32	7250	0.85			
32.0	260	44.22	7390	0.95	S SF SA SAF	57	Y..90S-4 AM90 AD2
37.0	225	38.23	7390	1.05			
44.0	197	32.48	7150	1.25			
49.0	177	29.00	6980	1.40			
57.0	152	24.77	6740	1.60			
61.0	143	23.20	6640	1.70			
73.0	121	19.54	6370	1.75			
81.0	116	17.62	5850	1.45			
86.0	108	16.47	5770	1.55			
100	94	14.24	5590	1.80			
117	80	12.10	5380	2.10			
131	72	10.80	5240	2.40			
154	62	9.23	5040	2.70			
49.0	175	29.00	3720	0.90			
57.0	151	24.77	3660	1.05			
61.0	142	23.20	3640	1.05			
73.0	120	19.54	3560	1.20			
81.0	115	17.62	3070	0.95			
86.0	108	16.47	3060	1.00			
100	94	14.24	3030	1.15			
117	80	12.10	2980	1.35			

S 系列

斜齿轮-蜗轮减速电机

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =1.10kw							
131	72	10.80	2930	1.50	S	47	Y..90S-4 AM90 AD2
154	62	9.23	2860	1.75	SF	47	
164	58	8.64	2830	1.90	SA	47	
195	49	7.28	2740	2.10	SAF	47	
178	53	8.00	1580	0.85	S	37	Y..90S-4 AM90 AD2
209	45	6.80	1580	0.95	SF	37	
					SA	37	
					SAF	37	
214	44	13.39	1580	0.95	S	37	Y..80M-2 AM80 AD2
230	41	12.48	1570	0.95			
263	36	10.91	1560	1.10			
281	34	10.23	1550	1.10			
318	30	9.02	1520	1.20			
359	27	8.00	1500	1.30			
422	23	6.80	1460	1.25	SAF	37	
P ₁ =1.50kw							
2.00	4580	714	29300	0.90	S	97	Y..90L-4 AM90 AD3
2.30	4870	626	19700	0.85			
2.70	4200	538	31300	1.00			
3.00	3790	484	33600	1.10			
3.40	3300	420	34500	1.25			
3.80	2980	376	35000	1.40			
4.40	2610	327	35500	1.60	RF57		
3.00	3050	485	17700	0.80	S	87	Y..90L-4 AM90 AD3
3.30	2770	435	26100	0.90			
3.80	2440	378	27600	1.00			
4.40	2120	323	28200	1.15			
5.10	1860	281	28700	1.30			
5.60	1990	255	28400	1.00			
6.40	1740	222	28800	1.15	RF57		
7.00	1620	205	29000	1.20	RF57		
3.30	3080	286.40	34800	1.35	S	97	Y..100L-6 AM100 AD3
3.60	2840	262.22	35200	1.45	SF	97	
4.10	2540	231.67	35600	1.65	SA	97	
4.80	2190	196.52	36000	1.90	SAF	97	
5.00	2100	286.40	36100	1.90	S	97	Y..90L-4 AM90 AD3
5.40	1940	262.22	36200	2.10	SF	97	
6.20	1730	231.67	36400	2.30	SA	97	
7.30	1480	196.52	36600	2.70	SAF	97	
3.60	2680	258.18	27100	0.90	S	87	Y..100L-6 AM100 AD2
4.20	2340	222.40	27800	1.00	SF	87	
4.60	2160	202.96	28200	1.10	SA	87	
5.20	1930	180.00	28500	1.20	SAF	87	

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =1.50kw							
5.00	2030	288.00	28400	1.10	S SF SA SAF	87 87 87 87	Y..90L-4 AM90 AD2
5.50	1830	258.18	28700	1.25			
6.40	1600	222.40	29000	1.40			
7.00	1470	202.96	29200	1.55			
7.90	1320	180.00	29400	1.65			
9.40	1120	151.30	29600	1.90			
10.0	1040	139.05	29700	2.00			
12.0	930	123.48	29700	2.20			
13.0	840	110.40	29800	2.40			
14.0	760	99.26	29900	2.60			
7.60	1310	189.09	11300	0.95	S SF SA SAF	77 77 77 77	Y..90L-4 AM90 AD2
8.80	1130	161.60	12800	1.10			
9.60	1050	148.15	13500	1.20			
11.0	930	130.00	14200	1.30			
12.0	880	123.20	14500	1.35			
13.0	785	107.83	15000	1.50			
15.0	710	97.14	15300	1.60			
17.0	630	85.22	15400	1.75			
19.0	635	75.09	14100	1.70			
20.0	605	71.33	14000	1.80			
21.0	500	66.67	14500	2.10			
23.0	540	63.03	13600	2.00			
25.0	430	56.92	14000	2.30			
27.0	465	53.87	13200	2.40			
29.0	425	49.38	12900	2.60			
33.0	375	43.33	12500	2.90			
17.0	590	85.83	7940	0.90	S SF SA SAF	67 67 67 67	Y..90L-4 AM90 AD2
18.0	540	78.00	8460	0.95			
22.0	530	65.63	8570	0.90			
23.0	505	62.35	8800	0.95			
26.0	445	54.70	8790	1.05			
31.0	380	46.40	8570	1.25			
34.0	345	41.89	8420	1.40			
39.0	305	36.85	8230	1.55			
41.0	290	34.80	8140	1.65			
48.0	250	29.63	7880	1.90			
53.0	225	26.93	7720	2.10			
59.0	215	24.44	6990	1.55			
62.0	205	23.22	6930	1.65			
70.0	184	20.37	6770	1.85			
83.0	157	17.28	6560	2.20			
92.0	142	15.60	6420	2.40			
104	125	13.73	6240	2.70			
44.0	265	32.48	6620	0.90	S SF SA SAF	57 57 57 57	Y..90L-4 AM90 AD2
49.0	235	29.00	6500	1.00			
58.0	205	24.77	6330	1.20			
62.0	194	23.20	6250	1.25			
73.0	164	19.54	6040	1.30			
81.0	157	17.62	5420	1.05			
87.0	147	16.47	5360	1.15			
100	128	14.24	5240	1.35			
118	109	12.10	5080	1.55			
132	98	10.80	4970	1.75			
155	84	9.23	4800	2.00			

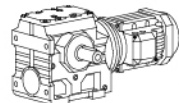


n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P ₁ =1.50kw							
100	127	14.24	2620	0.85	S SF SA SAF	47	Y..90L-4 AM90 AD2
118	108	12.10	2620	1.00			
132	97	10.80	2620	1.10			
155	83	9.23	2590	1.30			
166	78	8.64	2580	1.40			
196	66	7.28	2530	1.55			
					S	37	Y..90S-2 AM90 AD2
314	42	9.02	1350	0.85	SF	37	
354	37	8.00	1350	0.95	SA	37	
416	32	6.80	1330	0.90	SAF	37	
P ₁ =2.20kw							
3.40	4890	420	19000	0.85	S SF SA SAF	97	Y..100L ₁ -4 AM100 AD3
3.80	4410	376	28300	0.95			
4.40	3870	327	33400	1.10			
5.00	3420	287	34300	1.25			
5.70	2990	252	35000	1.40			
3.30	4460	286.40	31100	0.95	S	97	Y..112M-6 AM112 AD3
3.60	4110	262.22	32900	1.00	SF	97	
4.10	3670	231.67	33800	1.15	SA	97	
4.90	3160	196.52	34700	1.35	SAF	97	
5.00	3090	286.40	34800	1.30	S SF SA SAF	97	Y..100L ₁ -4 AM100 AD3
5.40	2850	262.22	35200	1.40			
6.20	2540	231.67	35600	1.55			
7.20	2180	196.52	36000	1.85			
7.90	2020	180.95	36100	1.95			
8.80	1820	161.74	36300	2.10			
9.80	1650	145.60	36500	2.20			
11.0	1500	131.85	36600	2.40			
12.0	1340	116.92	36700	2.60			
13.0	1220	105.71	36800	2.80			
16.0	1040	89.60	36900	3.10			
5.50	2700	258.18	27000	0.85	S SF SA SAF	87	Y..100L ₁ -4 AM100 AD2
6.40	2360	222.40	27800	0.95			
7.00	2170	202.96	28100	1.05			
7.90	1940	180.00	28500	1.15			
9.40	1650	151.30	29000	1.30			
10.0	1530	139.05	29100	1.35	S SF SA SAF	87	Y..100L ₁ -4 AM100 AD2
12.0	1370	123.48	29300	1.50			
13.0	1230	110.40	29500	1.60			
14.0	1120	99.26	29600	1.75			
17.0	980	86.15	29700	1.90			
17.0	1050	81.76	29600	1.50			
18.0	880	77.14	29800	2.10			
20.0	910	70.43	29800	1.75			
22.0	830	64.27	29800	1.90			
25.0	740	57.00	29900	2.20			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P _I =2.20kw							
11.0	1370	130.00	7440	0.90	S SF SA SAF	77	Y..100L ₁ -4 AM100 AD2
12.0	1300	123.20	11300	0.90			
13.0	1150	107.83	12700	1.00			
15.0	1040	97.14	13500	1.10			
17.0	920	85.22	14100	1.20			
19.0	820	75.20	13800	1.30			
21.0	735	66.67	13500	1.40			
23.0	795	63.03	12400	1.40			
25.0	635	56.92	13100	1.55			
26.0	685	53.87	12100	1.60			
29.0	630	49.38	11900	1.75	S SF SA SAF	77	Y..100L ₁ -4 AM100 AD3
33.0	555	43.33	11700	2.00			
35.0	525	41.07	11500	2.10			
40.0	460	35.94	11300	2.40			
44.0	420	32.38	11000	2.60			
50.0	370	28.41	10700	2.80			
57.0	325	25.07	10400	3.10	S SF SA SAF	67	Y..100L ₁ -4 AM100 AD2
62.0	305	22.89	9470	2.30			
68.0	280	20.99	9320	2.50			
31.0	560	46.40	7470	0.85			
34.0	510	41.89	7430	0.95	S SF SA SAF	67	Y..100L ₁ -4 AM100 AD2
39.0	450	36.85	7350	1.05			
41.0	425	34.80	7310	1.10			
48.0	365	29.63	7170	1.30			
53.0	335	26.93	7070	1.45			
61.0	290	23.33	6910	1.65	S SF SA SAF	67	Y..100L ₁ -4 AM100 AD2
70.0	270	20.37	6060	1.25			
82.0	230	17.28	5950	1.50			
91.0	205	15.60	5870	1.65			
104	184	13.73	5760	1.85			
110	174	12.96	5700	1.95			
129	149	11.03	5540	2.30	S SF SA SAF	67	Y..100L ₁ -4 AM100 AD3
142	136	10.03	5440	2.50			
164	118	8.69	5280	2.80			
100	188	14.24	4640	0.90			
118	160	12.10	4570	1.05	S SF SA SAF	57	Y..100L ₁ -4 AM100 AD2
132	144	10.80	4520	1.20			
154	123	9.23	4420	1.35			
165	116	8.64	4370	1.45			
196	98	7.28	4240	1.50			
P _I =3.00kw							
5.10	4580	287	25700	0.90	S SF SA SAF	97	Y..100L ₂ -4 AM100 AD3
5.80	4020	252	33100	1.05			
6.60	3510	219	34100	1.20			
7.10	3300	205	34500	1.25			

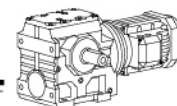
S系列

斜齿轮-蜗轮减速机



n_2 [1/min]	M_2 [Nm]	i	Fr [N]	K	Frame size	Input Configuration
P₁=3.00kw						
5.10	4140	286.40	32900	0.95	S 97 SF 97 SA 97 SAF 97	Y..100L ₂ -4 AM100 AD3
5.60	3820	262.22	33600	1.05		
6.30	3410	231.67	34300	1.15		
7.40	2920	196.52	35100	1.35		
8.00	2710	180.95	35400	1.45		
9.00	2440	161.74	35700	1.55		
10.0	2210	145.60	36000	1.70		
11.0	2010	131.85	36200	1.80	S 97 SF 97 SA 97 SAF 97	Y..100L ₂ -4 AM100 AD3
12.0	1800	116.92	36300	1.95		
14.0	1630	105.71	36500	2.10		
16.0	1390	89.60	36700	2.30		
18.0	1410	80.85	36600	2.30		
8.10	2600	180.00	27300	0.85	S 87 SF 87 SA 87 SAF 87	Y..100L ₂ -4 AM100 AD2
9.60	2210	151.30	28100	0.95		
10.0	2050	139.05	28400	1.00		
12.0	1830	123.48	28700	1.10		
13.0	1650	110.40	29000	1.20		
15.0	1490	99.26	29200	1.30		
17.0	1310	86.15	29400	1.45		
18.0	1400	81.76	29300	1.15		
19.0	1180	77.14	29500	1.55		
21.0	1210	70.43	29500	1.30		
23.0	1110	64.27	29600	1.45		
26.0	990	57.00	29700	1.60		
30.0	830	47.91	29800	1.90	S 87 SF 87 SA 87 SAF 87	Y..100L ₂ -4 AM100 AD3
33.0	770	44.03	29900	2.10		
37.0	685	39.10	29900	2.30		
42.0	615	34.96	29900	2.60		
17.0	1240	85.22	11900	0.90	S 77 SF 77 SA 77 SAF 77	Y..100L ₂ -4 AM100 AD2
19.0	1100	75.20	12500	0.95		
22.0	980	66.67	12300	1.05		
23.0	1060	63.03	10900	1.05		
26.0	850	56.92	12000	1.15		
27.0	910	53.87	10800	1.20		
29.0	840	49.38	10800	1.30		
34.0	740	43.33	10600	1.50		
35.0	705	41.07	10600	1.55		
40.0	620	35.94	10400	1.75	S 77 SF 77 SA 77 SAF 77	Y..100L ₂ -4 AM100 AD3
45.0	560	32.38	10200	1.95		
51.0	490	28.41	10000	2.10		
58.0	435	25.07	9770	2.30		
64.0	410	22.89	8640	1.70		
69.0	375	20.99	8550	1.85		
79.0	330	18.42	8400	2.10		
83.0	315	17.45	8340	2.20		
95.0	275	15.28	8160	2.60		
106	250	13.76	8010	2.80		
121	220	12.07	7810	3.30		
137	195	10.65	7610	3.70		
42.0	570	34.80	6350	0.85	S 67 SF 67 SA 67 SAF 67	Y..100L ₂ -4 AM100 AD2
49.0	490	29.63	6340	1.00		
54.0	445	26.93	6320	1.05		
62.0	390	23.33	6250	1.25		

n_2 [1/min]	M_2 [Nm]	i	Fr [N]	K	Frame size		Input Configuration	
P ₁ =3.00kw								
71.0	360	20.37	5240	0.95	S SF SA SAF	67 67 67 67	Y..100L ₂ -4 AM100 AD2	
84.0	305	17.28	5250	1.10				
93.0	275	15.60	5230	1.20				
106	245	13.73	5190	1.40				
112	230	12.96	5170	1.45				
132	199	11.03	5080	1.70	S SF SA SAF	67 67 67 67	Y..100L ₂ -4 AM100 AD3	
145	181	10.03	5020	1.90				
167	157	8.69	4910	2.10				
192	137	7.56	4800	2.20				
135	192	10.80	3990	0.90	S SF SA SAF	57 57 57 57	Y..100L ₂ -4 AM100 AD2	
158	164	9.23	3960	1.05				
168	154	8.64	3950	1.10				
200	130	7.28	3880	1.10				
P ₁ =4.00kw								
					S SF SA SAF	97 97 97 97	RF57 RF57 RF57 RF57	Y..112M-4 AM112 AD3
6.70	4690	219	24100	0.90				
7.10	4410	205	28500	0.95				
6.30	4530	231.67	30200	0.90	S SF SA SAF	97 97 97 97	Y..112M-4 AM112 AD3	
7.40	3890	196.52	33400	1.05				
8.10	3600	180.95	34000	1.10				
9.00	3240	161.74	34600	1.20				
10.0	2940	145.60	35000	1.25				
11.0	2680	131.85	35400	1.35				
12.0	2390	116.92	35800	1.45				
14.0	2170	105.71	36000	1.60				
16.0	1850	89.60	36300	1.75				
18.0	1880	80.85	36300	1.70				
20.0	1670	71.43	36400	1.95	S SF SA SAF	97 97 97 97	Y..112M-4 AM112 AD4	
24.0	1420	60.59	36600	2.30				
26.0	1310	55.79	36700	2.50				
12.0	2440	123.48	27600	0.85	S SF SA SAF	87 87 87 87	Y..112M-4 AM112 AD2	
13.0	2200	110.40	28100	0.90				
15.0	1990	99.26	28500	1.00				
17.0	1740	86.15	28800	1.10				
19.0	1570	77.14	29100	1.15				
21.0	1610	70.43	29000	1.00				
23.0	1480	64.27	29200	1.10				
26.0	1310	57.00	29400	1.20				
30.0	1110	47.91	29600	1.45	S SF SA SAF	87 87 87 87	Y..112M-4 AM112 AD3	
33.0	1020	44.03	29700	1.55				
37.0	910	39.10	29700	1.75				
42.0	820	34.96	29700	1.95				
46.0	740	31.43	28900	2.20				
54.0	645	27.28	28000	2.50				

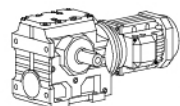


n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =4.00kw							
57.0	615	25.50	26400	2.00	S SF SA SAF	87 87 87 87	Y..112M-4 AM112 AD4
26.0	1130	56.92	10800	0.85	S SF SA SAF	77 77 77 77	Y..112M-4 AM112 AD2
27.0	1210	53.87	9280	0.90			
30.0	1120	49.38	9330	1.00			
34.0	980	43.33	9370	1.10			
36.0	930	41.07	9370	1.15			
41.0	820	35.94	9330	1.35	S SF SA SAF	77 77 77 77	Y..112M-4 AM112 AD3
45.0	745	32.38	9270	1.45			
51.0	655	28.41	9160	1.60			
58.0	580	25.07	9040	1.75			
64.0	545	22.89	7650	1.30			
70.0	500	20.99	7640	1.40			
79.0	440	18.42	7600	1.60			
84.0	420	17.45	7580	1.70			
96.0	365	15.28	7490	1.90			
106	330	13.76	7400	2.10			
121	290	12.07	7280	2.40	S SF SA SAF	77 77 77 77	Y..112M-4 AM112 AD4
137	255	10.65	7140	2.80			
155	230	9.44	6990	3.20			
181	197	8.06	6790	3.40	S SF SA SAF	67 67 67 67	Y..112M-4 AM112 AD2
84.0	405	17.28	3910	0.85			
94.0	370	15.60	4270	0.90			
106	325	13.73	4510	1.05			
113	305	12.96	4520	1.10	S SF SA SAF	67 67 67 67	Y..112M-4 AM112 AD3
132	260	11.03	4530	1.30			
146	240	10.03	4520	1.40			
168	205	8.69	4480	1.60			
193	182	7.56	4420	1.60			
P ₁ =5.50kw							
9.00	4470	161.74	31000	0.85	S SF SA SAF	97 97 97 97	Y..132S-4 AM132 AD3
10.0	4050	145.60	33100	0.90			
11.0	3690	131.85	33800	1.00			
12.0	3300	116.92	34500	1.05			
14.0	3000	105.71	35000	1.15			
16.0	2560	89.60	35500	1.25			
19.0	2250	78.26	35900	1.35			
22.0	1900	65.45	36300	1.55			
20.0	2300	71.43	35800	1.45	S SF SA SAF	97 97 97 97	Y..132S-4 AM132 AD4
24.0	1960	60.59	36200	1.70			
26.0	1810	55.79	36300	1.80			
29.0	1620	49.87	36500	2.00			
32.0	1470	44.89	36600	2.20			
36.0	1330	40.65	36700	2.50			
19.0	2160	77.14	28200	0.85	S SF SA SAF	87 87 87 87	Y..132S-4 AM132 AD2
26.0	1810	57.00	28700	0.90			
30.0	1530	47.91	29100	1.05			

n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P _I =5.50kw							
23.0	1810	64.00	28700	0.95	S SF SA SAF	87 87 87 87	Y..132S-4 AM132 AD3
33.0	1410	44.03	29200	1.15			
37.0	1260	39.10	29100	1.25			
42.0	1130	34.96	28500	1.40			
46.0	1020	31.43	27900	1.55			
53.0	890	27.28	27100	1.80			
57.0	850	25.50	25200	1.45	S SF SA SAF	87 87 87 87	Y..132S-4 AM132 AD4
68.0	715	21.43	24400	1.70			
74.0	660	19.70	24000	1.85			
83.0	585	17.49	23400	2.10			
93.0	525	15.64	22900	2.40			
103	475	14.06	22400	2.60			
119	410	12.21	21700	3.00			
133	370	10.93	21100	3.30			
35.0	1290	41.07	7590	0.85	S	77	Y..132S-4 AM132 AD2
					SF	77	
					SA	77	
					SAF	77	
40.0	1130	35.94	7770	0.95	S SF SA SAF	77 77 77 77	Y..132S-4 AM132 AD3
45.0	1020	32.38	7860	1.05			
51.0	900	28.41	7920	1.15			
58.0	800	25.07	7940	1.25			
65.0	710	22.22	7920	1.35			
79.0	610	18.42	6000	1.15			
83.0	580	17.45	6240	1.20			
95.0	505	15.28	6500	1.40			
106	460	13.76	6510	1.55			
121	400	12.07	6490	1.80			
137	355	10.65	6440	2.00			
154	315	9.44	6380	2.30			
180	270	8.06	6260	2.50			
132	360	11.03	2990	0.95	S	67	Y..132S-4 AM132 AD3
145	330	10.03	3310	1.00	SF	67	
167	285	8.69	3720	1.15	SA	67	
192	250	7.56	3850	1.15	SAF	67	
P _I =7.50kw							
14.0	4050	105.71	33100	0.85	S	97	Y..132M-4 AM132 AD3
16.0	3460	89.60	34200	0.95	SF	97	
19.0	3040	78.26	34900	1.00	SA	97	
22.0	2560	65.45	35500	1.15	SAF	97	
21.0	3110	71.43	34800	1.05	S SF SA SAF	97 97 97 97	Y..132M-4 AM132 AD4
24.0	2650	60.59	35400	1.25			
26.0	2450	55.79	35700	1.35			
29.0	2190	49.87	36000	1.50			
33.0	1980	44.89	36200	1.65			
36.0	1800	40.65	36300	1.85			
41.0	1600	36.05	36000	2.10			
45.0	1450	32.60	35300	2.20			
56.0	1200	26.39	31900	2.20			
62.0	1080	23.59	31200	2.40	S	97	Y..132M-4 AM132 AD5
69.0	970	21.23	30600	2.70	SF	97	
76.0	880	19.23	30000	2.90	SA	97	
					SAF	97	

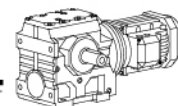
S 系列

斜齿轮-蜗轮减速电机



n ₂ [1/min]	M ₂ [Nm]	i	Fr [N]	K	Frame size		Input Configuration
P ₁ =7.50kw							
33.0	1910	44.03	27700	0.85	S SF SA SAF	87 87 87 87	Y..132M-4 AM132 AD3
38.0	1700	39.10	27300	0.95			
42.0	1520	34.96	26900	1.05			
47.0	1370	31.43	26400	1.15			
54.0	1200	27.28	25800	1.35			
58.0	1150	25.50	23400	1.10	S SF SA SAF	87 87 87 87	Y..132M-4 AM132 AD4
69.0	970	21.43	22900	1.30			
75.0	890	19.70	22600	1.40			
84.0	795	17.49	22200	1.55			
94.0	710	15.64	21800	1.75			
105	640	14.06	21400	1.95			
120	555	12.21	20800	2.20			
135	500	10.93	20400	2.50			
162	415	9.07	19600	2.70			
186	360	7.88	19000	2.80			
52.0	1220	28.41	6290	0.85	S SF SA SAF	77 77 77 77	Y..132M-4 AM132 AD3
59.0	1080	25.07	6490	0.95			
66.0	960	22.22	6620	1.00			
80.0	820	18.42	2080	0.85			
84.0	780	17.45	2500	0.90			
96.0	685	15.28	3420	1.05			
107	620	13.76	4040	1.15			
122	545	12.07	4690	1.30			
138	480	10.65	5210	1.50	S SF SA SAF	77 77 77 77	Y..132M-4 AM132 AD4
156	425	9.44	5560	1.70			
182	365	8.06	5560	1.85			
P ₁ =11.0kw							
26.0	3580	55.79	34000	0.90	S SF SA SAF	97 97 97 97	Y..160M-4 AM160 AD4
30.0	3210	49.87	34600	1.05			
33.0	2900	44.89	34700	1.15			
36.0	2630	40.65	34200	1.25			
41.0	2340	36.05	33700	1.40			
45.0	2120	32.60	33100	1.50			
56.0	1760	26.39	29300	1.45			
63.0	1580	23.59	28900	1.65	S SF SA SAF	97 97 97 97	Y..160M-4 AM160 AD5
69.0	1420	21.23	28500	1.80			
77.0	1290	19.23	28100	2.00			
86.0	1140	17.05	27500	2.20			
96.0	1040	15.42	27100	2.40			
113	880	13.07	26200	2.60			
129	770	11.41	25500	2.90			
54.0	1750	27.28	23600	0.90	S SF SA SAF	87 87 87 87	Y..160M-4 AM160 AD3
60.0	1570	24.43	23300	1.00	S SF SA SAF	87 87 87 87	Y..160M-4 AM160 AD4
73.0	1310	20.27	22700	1.20			
75.0	1300	19.70	20300	0.95			
84.0	1160	17.49	20200	1.05			
94.0	1040	15.64	20000	1.20			
105	930	14.06	19700	1.30			

n_2 [1/min]	M_2 [Nm]	i	F_r [N]	K	Frame size		Input Configuration
P _I =11.0kw							
121	810	12.21	19400	1.50	S	87	Y..160M-4 AM160 AD4
135	730	10.93	19100	1.70	SF	87	
163	605	9.07	18500	1.85	SA	87	
187	530	7.88	18000	1.90	SAF	87	
P _I =15.0kw							
33.0	3980	44.89	31400	0.85	S	97	Y..160L-4 AM160 AD4
36.0	3610	40.65	31300	0.90	SF	97	
41.0	3210	36.05	31000	1.05	SA	97	
45.0	2910	32.60	30700	1.10	SAF	97	
56.0	2420	26.39	26400	1.05			
62.0	2170	23.59	26300	1.20			Y..160L-4 AM160 AD5
69.0	1950	21.23	26200	1.35			
76.0	1770	19.23	26000	1.45	S	97	
86.0	1570	17.05	25700	1.65	SF	97	
95.0	1420	15.42	25400	1.75	SA	97	
112	1210	13.07	24800	1.90	SAF	97	
128	1060	11.41	24300	2.10			
153	880	9.55	23600	2.30			
177	770	8.26	22900	2.30			
94.0	1430	15.64	16800	0.85			Y..160L-4 AM160 AD4
104	1280	14.06	17900	0.95	S	87	
120	1120	12.21	17800	1.10	SF	87	
134	1000	10.93	17600	1.25	SA	87	
162	830	9.07	17300	1.35	SAF	87	
186	725	7.88	17000	1.40			
P _I =18.5kw							
41.0	3960	36.05	28700	0.85	S	97	Y..180M-4 AM180 AD4
45.0	3590	32.60	28600	0.90	SF	97	
					SA	97	
					SAF	97	
53.0	3050	27.63	28400	1.00			Y..180M-4 AM180 AD5
61.0	2670	24.13	28100	1.05			
69.0	2410	21.23	24100	1.10			
76.0	2190	19.23	24100	1.20	S	97	
86.0	1940	17.05	24000	1.30	SF	97	
95.0	1760	15.42	23900	1.40	SA	97	
112	1490	13.07	23500	1.55	SAF	97	
128	1300	11.41	23200	1.70			
153	1090	9.55	22600	1.85			
177	950	8.26	22100	1.85			
P _I =22.0kw							
53.0	3610	27.63	26600	0.85			Y..180L-4 AM180 AD5
61.0	3160	24.13	26500	0.90			
69.0	2850	21.23	18600	0.90			
77.0	2580	19.23	20500	1.00	S	97	
86.0	2290	17.05	22300	1.10	SF	97	
96.0	2080	15.42	22400	1.20	SA	97	
113	1760	13.07	22300	1.30	SAF	97	
129	1540	11.41	22100	1.45			
155	1290	9.55	21700	1.60			
178	1120	8.26	21300	1.60			



5.8 S../RF..性能参数 / S../ RF.. Performance Parameters

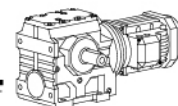
n ₂ [1/min]	i	Fr [N]	Frame size			Motor
M _{2max} =92Nm						
0.14	10037	3000				
0.16	8654	3000				
0.17	8066	3000				
0.20	7051	3000				
0.23	6079	3000				
0.25	5431	3000				
0.29	4747	3000				
0.33	4155	3000				
0.38	3632	3000	S	37	RF17	Y..63M ₁ -4
0.48	2866	3000	SF	37	RF17	Y..63M ₁ -4
0.56	2471	3000	SA	37	RF17	Y..63M ₁ -4
0.64	2160	3000	SAF	37	RF17	Y..63M ₁ -4
0.73	1887	3000				
0.83	1665	3000				
0.95	1456	3000				
1.10	1271	3000				
1.20	1121	3000				
1.40	994	3000				
1.60	869	3000				
1.80	774	3000				
2.10	666	3000				
2.30	596	3000				
2.60	521	3000				
3.00	456	3000	S	37	RF17	Y..63M ₁ -4
3.50	398	3000	SF	37	RF17	Y..63M ₁ -4
3.90	351	3000	SA	37	RF17	Y..63M ₁ -4
4.60	303	3000	SAF	37	RF17	Y..63M ₁ -4
5.20	265	3000				
6.00	232	3000				
6.80	202	3000				
7.40	179	3000	S	37	RF17	Y..63M ₂ -4
8.30	158	3000	SF	37	RF17	Y..63M ₂ -4
9.10	144	3000	SA	37	RF17	Y..63M ₂ -4
11.0	118	3000	SAF	37	RF17	Y..63M ₂ -4
12.0	110	3000				
M _{2max} =185Nm						
0.11	12909	5250				
0.12	11189	5250				
0.13	10374	5250				
0.15	8992	5250				
0.18	7860	5250				
0.20	6887	5250				
0.23	6055	5250				
0.26	5292	5250	S	47	RF17	Y..63M ₁ -4
0.30	4637	5250	SF	47	RF17	Y..63M ₁ -4
0.34	4092	5250	SA	47	RF17	Y..63M ₁ -4
0.39	3582	5200	SAF	47	RF17	Y..63M ₁ -4
0.44	3131	5200				
0.51	2714	5200				
0.57	2412	5200				
0.65	2131	5200				
0.74	1863	5200				
0.83	1663	5200				
0.96	1435	5200				
1.10	1254	5200	S	47	RF17	Y..63M ₂ -4
1.20	1120	5200	SF	47	RF17	Y..63M ₂ -4
1.30	1083	5200	SA	47	RF17	Y..63M ₂ -4
1.40	965	5200	SAF	47	RF17	Y..63M ₂ -4
1.60	865	5200				
1.80	750	5200				
2.10	655	5200				
2.40	574	5200				
2.70	506	5200				
3.20	438	5200				
3.60	388	5200				
3.90	336	5200	S	47	RF17	Y..63M ₂ -4
4.50	294	5200	SF	47	RF17	Y..63M ₂ -4
5.80	229	5200	SA	47	RF17	Y..63M ₂ -4
			SAF	47	RF17	Y..63M ₂ -4
5.00	257	5260	S	47	RF17	Y..71M ₁ -4
6.50	200	5200	SF	47	RF17	Y..71M ₁ -4
6.90	187	5200	SA	47	RF17	Y..71M ₁ -4
7.90	165	5200	SAF	47	RF17	Y..71M ₁ -4
			S	47	RF17	Y..71M ₂ -4
9.40	148	5200	SF	47	RF17	Y..71M ₂ -4
11.0	131	5200	SA	47	RF17	Y..71M ₂ -4
			SAF	47	RF17	Y..71M ₂ -4
M _{2max} =330Nm						
0.11	12909	6800				
0.12	11189	6800				
0.13	10374	6800				
0.15	8992	6800				
0.18	7860	6800	S	57	RF17	Y..63M ₁ -4
0.20	6887	6800	SF	57	RF17	Y..63M ₁ -4
0.23	6055	6800	SA	57	RF17	Y..63M ₁ -4
0.26	5292	6800	SAF	57	RF17	Y..63M ₁ -4
0.30	4637	6800				
0.34	4092	6800				
0.38	3628	6800				
M _{2max} =300Nm						
0.44	3131	7080				
0.51	2714	7080				
0.57	2412	7080				
0.65	2131	7080				
0.74	1863	7080				
0.83	1663	7080	S	57	RF17	Y..63M ₁ -4
0.96	1435	7080	SF	57	RF17	Y..63M ₁ -4
1.10	1254	7080	SA	57	RF17	Y..63M ₁ -4
1.30	1083	7080	SAF	57	RF17	Y..63M ₁ -4
1.40	965	7080				
1.60	865	7080				
1.80	750	7080				
2.10	655	7080				

S 系列

斜齿轮-蜗轮减速机

n_2 [1/min]	i	Fr [N]	Frame size			Motor
$M_{2max}=300Nm$						
2.30	574	7080	S	57	RF17	Y..63M ₂ -4
2.60	506	7080	SF	57	RF17	Y..63M ₂ -4
3.00	438	7080	SA	57	RF17	Y..63M ₂ -4
3.40	388	7080	SAF	57	RF17	Y..63M ₂ -4
3.90	336	7080	S	57	RF17	Y..71M ₁ -4
4.40	294	7080	SF	57	RF17	Y..71M ₁ -4
4.80	269	7080	SA	57	RF17	Y..71M ₁ -4
			SAF	57	RF17	Y..71M ₁ -4
6.00	229	7080	S	57	RF17	Y..71M ₂ -4
6.80	204	7080	SF	57	RF17	Y..71M ₂ -4
7.40	187	7080	SA	57	RF17	Y..71M ₂ -4
			SAF	57	RF17	Y..71M ₂ -4
8.40	165	7080	S	57	RF17	Y..80M ₁ -4
			SF	57	RF17	Y..80M ₁ -4
11.0	131	7080	SA	57	RF17	Y..80M ₁ -4
			SAF	57	RF17	Y..80M ₁ -4
$M_{2max}=570Nm$						
0.06	21362	8190				
0.07	19594	8190				
0.08	18120	8190				
0.08	16682	8190				
0.10	14383	8190				
0.11	12774	8190				
0.13	11013	8190				
0.14	9694	8190				
0.16	8529	8190				
0.19	7455	8190				
0.21	6531	8190	S	67	RF37	Y..63M ₁ -4
0.24	5759	8190	SF	67	RF37	Y..63M ₁ -4
0.28	4965	8190	SA	67	RF37	Y..63M ₁ -4
0.31	4410	8190	SAF	67	RF37	Y..63M ₁ -4
0.36	3880	8190				
0.40	3432	8190				
0.47	2944	8190				
0.52	2630	8190				
0.61	2279	8190				
0.69	2014	8190				
0.78	1772	8190				
0.88	1559	8190				
1.00	1363	8190				
1.20	1194	8190				
1.30	1045	8190	S	67	RF37	Y..63M ₂ -4
1.40	914	8190	SF	67	RF37	Y..63M ₂ -4
1.60	809	8190	SA	67	RF37	Y..63M ₂ -4
1.90	712	8190	SAF	67	RF37	Y..63M ₂ -4
2.10	615	8190	S	67	RF37	Y..71M ₁ -4
			SF	67	RF37	Y..71M ₁ -4
2.40	543	8190	SA	67	RF37	Y..71M ₁ -4
			SAF	67	RF37	Y..71M ₁ -4

n_2 [1/min]	i	Fr [N]	Frame size			Motor
M _{2max} =570Nm						
2.90	469	8190	S	67	RF37	Y..71M ₂ -4
3.30	424	8190	SF	67	RF37	Y..71M ₂ -4
3.80	365	8190	SA	67	RF37	Y..71M ₂ -4
			SAF	67	RF37	Y..71M ₂ -4
4.30	319	8190	S	67	RF37	Y..80M ₁ -4
4.90	281	8190	SF	67	RF37	Y..80M ₁ -4
5.60	246	8190	SA	67	RF37	Y..80M ₁ -4
6.20	221	8190	SAF	67	RF37	Y..80M ₁ -4
7.30	198	8190	S	67	RF37	Y..80M ₂ -4
			SF	67	RF37	Y..80M ₂ -4
			SA	67	RF37	Y..80M ₂ -4
			SAF	67	RF37	Y..80M ₂ -4
M _{2max} =1270Nm						
0.05	25493	11700				
0.06	21787	11700				
0.07	19907	11700				
0.08	17013	11700				
0.09	14668	11700				
0.11	13110	11700				
0.12	11569	11700	S	77	RF37	Y..63M ₁ -4
0.14	9887	11700	SF	77	RF37	Y..63M ₁ -4
0.16	8817	11700	SA	77	RF37	Y..63M ₁ -4
0.18	7735	11700	SAF	77	RF37	Y..63M ₁ -4
0.20	6735	11700				
0.23	5943	11700				
0.26	5214	11700				
0.30	4618	11700				
0.35	3992	11700				
0.39	3540	11700				
0.43	3098	11700	S	77	RF37	Y..63M ₂ -4
			SF	77	RF37	Y..63M ₂ -4
			SA	77	RF37	Y..63M ₂ -4
			SAF	77	RF37	Y..63M ₂ -4
M _{2max} =1240Nm						
0.50	2753	12000	S	77	RF37	Y..63M ₁ -4
	2374	12000	SF	77	RF37	Y..63M ₁ -4
0.58	2374	12000	SA	77	RF37	Y..63M ₁ -4
			SAF	77	RF37	Y..63M ₁ -4
0.63	2083	12000	S	77	RF37	Y..63M ₂ -4
0.73	1813	12000	SF	77	RF37	Y..63M ₂ -4
0.76	1745	12000	SA	77	RF37	Y..63M ₂ -4
0.82	1600	12000	SAF	77	RF37	Y..63M ₂ -4
0.94	1404	12000				
1.00	1245	12000	S	77	RF37	Y..71M ₁ -4
			SF	77	RF37	Y..71M ₁ -4
			SA	77	RF37	Y..71M ₁ -4
			SAF	77	RF37	Y..71M ₁ -4
1.20	1100	12000				
1.40	954	12000				

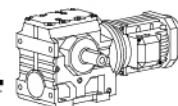


n_2 [1/min]	i	Fr [N]	Frame size			Motor				
$M_{2max}=1240Nm$										
1.60 1.90	837 714	12000 12000	S	77	RF37	Y..71M ₂ -4				
			SF	77	RF37	Y..71M ₂ -4				
			SA	77	RF37	Y..71M ₂ -4				
			SAF	77	RF37	Y..71M ₂ -4				
2.20 2.40 2.80	637 574 499	12000 12000 12000	S	77	RF37	Y..80M ₁ -4				
			SF	77	RF37	Y..80M ₁ -4				
			SA	77	RF37	Y..80M ₁ -4				
			SAF	77	RF37	Y..80M ₁ -4				
3.30 3.70	438 389	12000 12000	S	77	RF37	Y..80M ₂ -4				
			SF	77	RF37	Y..80M ₂ -4				
			SA	77	RF37	Y..80M ₂ -4				
			SAF	77	RF37	Y..80M ₂ -4				
4.30 4.90 5.70	327 289 250	12000 12000 12000	S	77	RF37	Y..90S-4				
			SF	77	RF37	Y..90S-4				
			SA	77	RF37	Y..90S-4				
			SAF	77	RF37	Y..90S-4				
6.50	219	12000	S	77	RF37	Y..90L-4				
			SF	77	RF37	Y..90L-4				
			SA	77	RF37	Y..90L-4				
			SAF	77	RF37	Y..90L-4				
$M_{2max}=2500Nm$										
0.05 0.06 0.07 0.08 0.08 0.09 0.10 0.12 0.14 0.16 0.18 0.21	25987 23940 20568 18265 16774 14820 13160 11200 9904 8549 7643 6706	27500 27500 27500 27500 27500 27500 27500 27500 27500 27500 27500 27500	S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..63M ₁ -4 Y..63M ₁ -4 Y..63M ₁ -4 Y..63M ₁ -4				
0.22 0.25 0.29 0.34	5875 5187 4606 3872	27500 27500 27500 27500					S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..63M ₂ -4 Y..63M ₂ -4 Y..63M ₂ -4 Y..63M ₂ -4
0.37 0.45 0.50	3475 2905 2586	27500 27500 27500					S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..71M ₁ -4 Y..71M ₁ -4 Y..71M ₁ -4 Y..71M ₁ -4
0.59 0.67 0.76	2335 2054 1824	27500 27500 27500					S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..71M ₂ -4 Y..71M ₂ -4 Y..71M ₂ -4 Y..71M ₂ -4
0.85 1.00 1.20	1631 1332 1191	27500 27500 27500	S SF SA SAF	87 87 87 87	RF57 RF57 RF57 RF57	Y..80M ₁ -4 Y..80M ₁ -4 Y..80M ₁ -4 Y..80M ₁ -4				

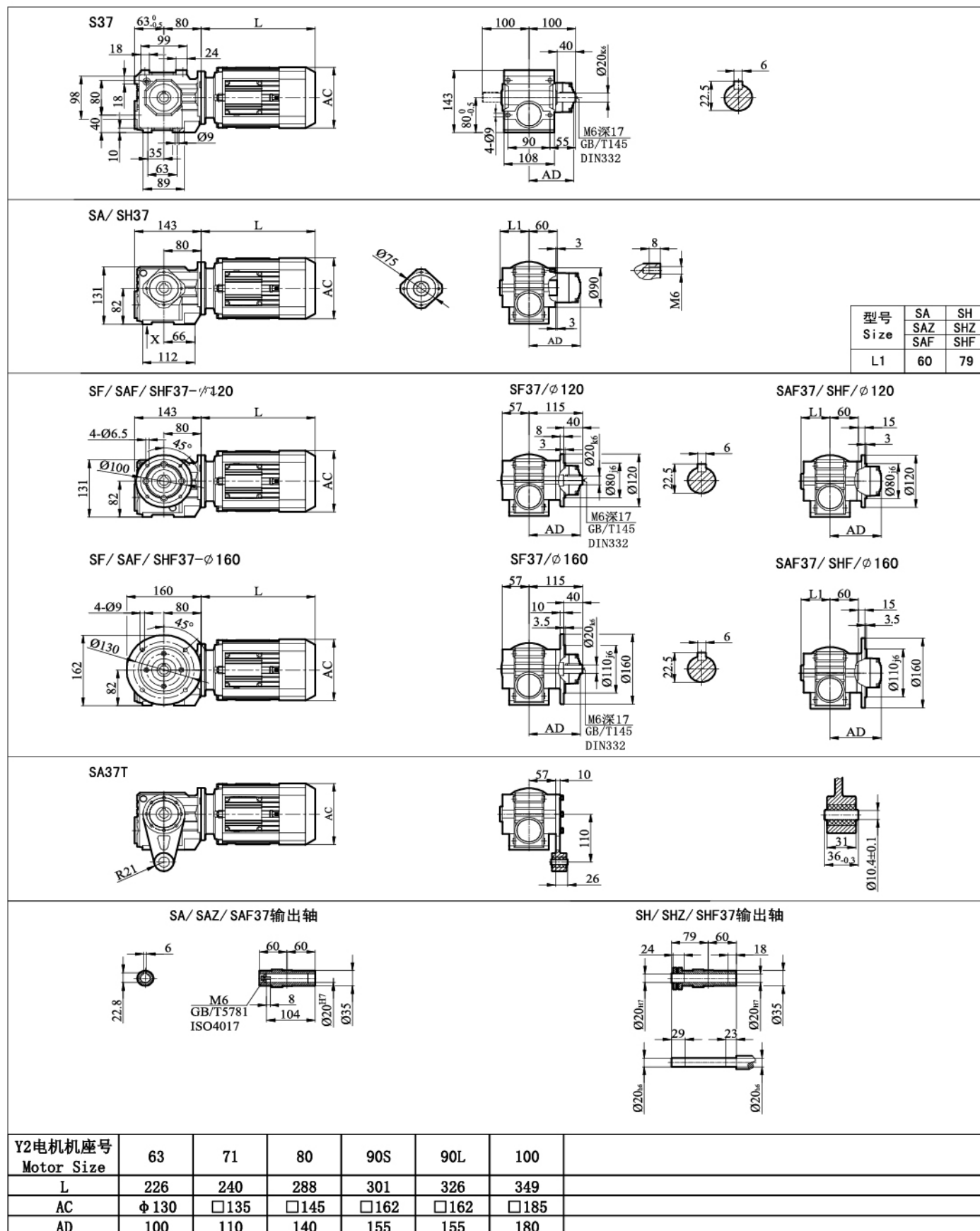
n_2 [1/min]	i	Fr [N]	Frame size			Motor
M _{2max} =2500Nm						
1.40 1.50	1032 930	27500 27500	S	87	RF57	Y..80M ₂ -4
			SF	87	RF57	Y..80M ₂ -4
			SA	87	RF57	Y..80M ₂ -4
			SAF	87	RF57	Y..80M ₂ -4
1.70 2.00 2.30 2.60	831 719 624 558	27500 27500 27500 27500	S	87	RF57	Y..90S-4
			SF	87	RF57	Y..90S-4
			SA	87	RF57	Y..90S-4
			SAF	87	RF57	Y..90S-4
3.00	485	27500	S	87	RF57	Y..90L-4
			SF	87	RF57	Y..90L-4
			SA	87	RF57	Y..90L-4
			SAF	87	RF57	Y..90L-4
M _{2max} =2450Nm						
3.30	435	27600	S	87	RF57	Y..90L-4
			SF	87	RF57	Y..90L-4
			SA	87	RF57	Y..90L-4
			SAF	87	RF57	Y..90L-4
3.80	378	27600	S	87	RF57	Y..100L ₁ -4
			SF	87	RF57	Y..100L ₁ -4
			SA	87	RF57	Y..100L ₁ -4
			SAF	87	RF57	Y..100L ₁ -4
M _{2max} =2400Nm						
4.40 5.10	323 281	27700 27700	S	87	RF57	Y..100L ₁ -4
			SF	87	RF57	Y..100L ₁ -4
			SA	87	RF57	Y..100L ₁ -4
			SAF	87	RF57	Y..100L ₁ -4
M _{2max} =4200Nm						
0.04	33818	32800				
0.04	31154	32800	S	97	RF57	Y..63M ₁ -4
0.05	27847	32800	SF	97	RF57	Y..63M ₁ -4
0.06	24641	32800	SA	97	RF57	Y..63M ₁ -4
0.06	21537	32800	SAF	97	RF57	Y..63M ₁ -4
0.07	18749	32800				
0.09	16233	32800	S	97	RF57	Y..63M ₁ -4
0.09	14576	32800	SF	97	RF57	Y..63M ₁ -4
0.11	12752	32800	SA	97	RF57	Y..63M ₁ -4
0.12	11267	32800	SAF	97	RF57	Y..63M ₁ -4
0.14	10078	32800				
0.15	8608	32800	S	97	RF57	Y..63M ₂ -4
0.17	7554	32800	SF	97	RF57	Y..63M ₂ -4
0.20	6640	31300	SA	97	RF57	Y..63M ₂ -4
0.23	5780	31300	SAF	97	RF57	Y..63M ₂ -4
0.27	4937	31300				
0.29	4444	31300	S	97	RF57	Y..71M ₁ -4
0.32	4017	31300	SF	97	RF57	Y..71M ₁ -4
0.38	3453	31300	SA	97	RF57	Y..71M ₁ -4
0.42	3108	31300	SAF	97	RF57	Y..71M ₁ -4

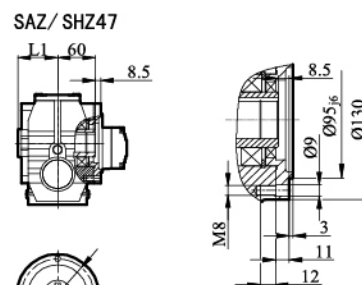
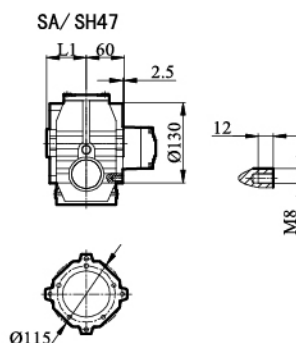
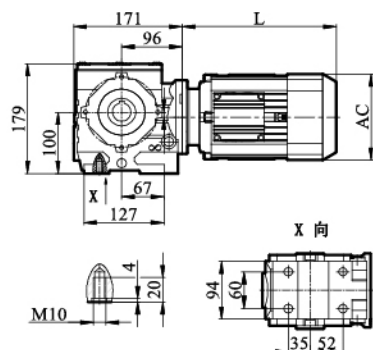
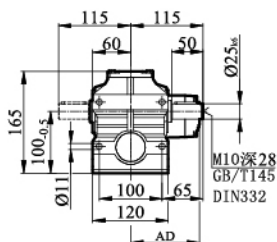
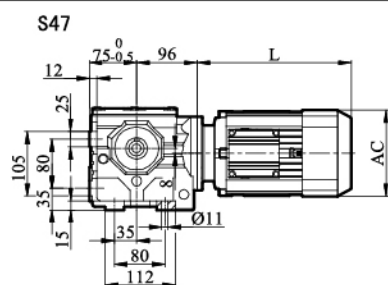
n_2 [1/min]	i	Fr [N]	Frame size			Motor
$M_{2max}=4200Nm$						
0.52	2654	31300	S	97	RF57	Y..71M₂-4
			SF	97	RF57	Y..71M₂-4
			SA	97	RF57	Y..71M₂-4
			SAF	97	RF57	Y..71M₂-4
0.66	2081	31300	S	97	RF57	Y..80M₁-4
			SF	97	RF57	Y..80M₁-4
			SA	97	RF57	Y..80M₁-4
			SAF	97	RF57	Y..80M₁-4
0.74	1860	31300	S	97	RF57	Y..80M₁-4
			SF	97	RF57	Y..80M₁-4
			SA	97	RF57	Y..80M₁-4
			SAF	97	RF57	Y..80M₁-4
0.88	1574	31300	S	97	RF57	Y..80M₂-4
			SF	97	RF57	Y..80M₂-4
			SA	97	RF57	Y..80M₂-4
			SAF	97	RF57	Y..80M₂-4
1.00	1394	31300	S	97	RF57	Y..80M₂-4
			SF	97	RF57	Y..80M₂-4
			SA	97	RF57	Y..80M₂-4
			SAF	97	RF57	Y..80M₂-4
1.20	1223	31300	S	97	RF57	Y..90S-4
			SF	97	RF57	Y..90S-4
			SA	97	RF57	Y..90S-4
			SAF	97	RF57	Y..90S-4
1.30	1070	31300	S	97	RF57	Y..90S-4
			SF	97	RF57	Y..90S-4
			SA	97	RF57	Y..90S-4
			SAF	97	RF57	Y..90S-4
1.50	928	31300	S	97	RF57	Y..90S-4
			SF	97	RF57	Y..90S-4
			SA	97	RF57	Y..90S-4
			SAF	97	RF57	Y..90S-4
1.70	824	31300	S	97	RF57	Y..90S-4
			SF	97	RF57	Y..90S-4
			SA	97	RF57	Y..90S-4
			SAF	97	RF57	Y..90S-4

n_2 [1/min]	i	Fr [N]	Frame size			Motor
$M_{2max}=4200Nm$						
2.00	714	32800	S	97	RF57	Y..90L-4
2.30	626	31300	SF	97	RF57	Y..90L-4
2.70	538	31300	SA	97	RF57	Y..90L-4
			SAF	97	RF57	Y..90L-4
2.90	484	31400	S	97	RF57	Y..100L ₁ -4
3.40	420	31400	SF	97	RF57	Y..100L ₁ -4
3.80	376	31400	SA	97	RF57	Y..100L ₁ -4
			SAF	97	RF57	Y..100L ₁ -4
4.40	327	31500	S	97	RF57	Y..100L ₂ -4
5.10	287	31500	SF	97	RF57	Y..100L ₂ -4
			SA	97	RF57	Y..100L ₂ -4
			SAF	97	RF57	Y..100L ₂ -4
5.80	252	31500	S	97	RF57	Y..112M-4
6.70	219	31600	SF	97	RF57	Y..112M-4
			SA	97	RF57	Y..112M-4
			SAF	97	RF57	Y..112M-4

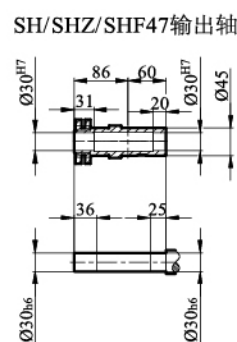
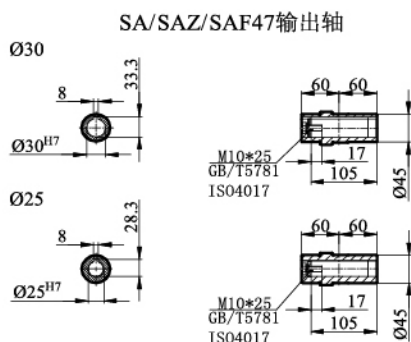
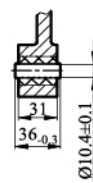
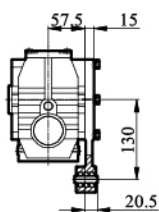
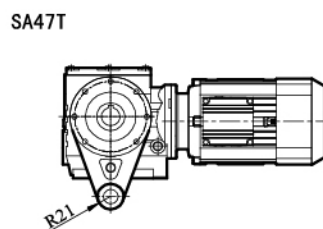
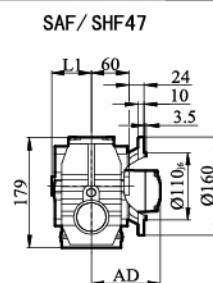
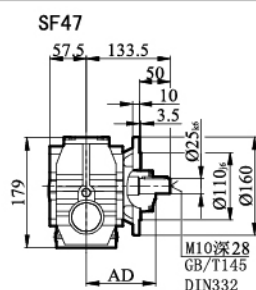
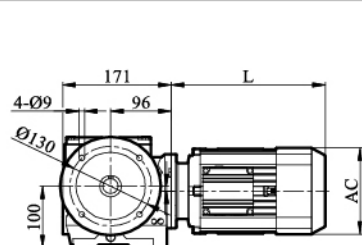


5.9 外形尺寸 / Dimensions

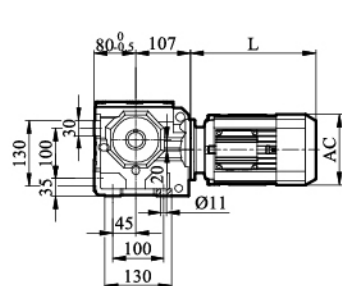
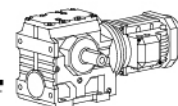




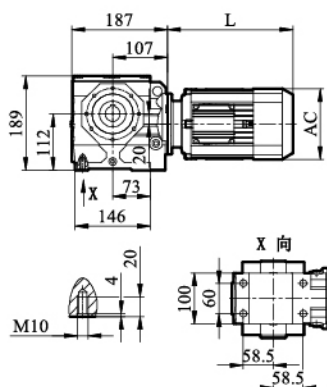
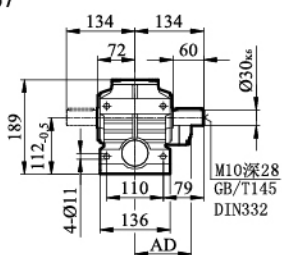
型号 Size	SA SAZ	SH SHZ
L1	60	86



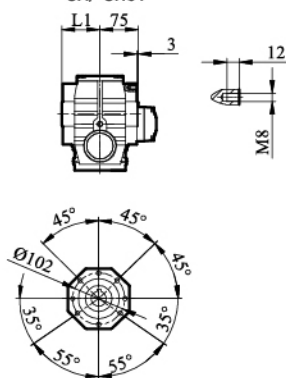
Y2电机机座号 Motor Size	63	71	80	90S	90L	100
L	226	240	288	301	326	349
AC	Φ 130	□135	□145	□162	□162	□185
AD	100	110	140	155	155	180



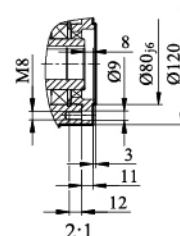
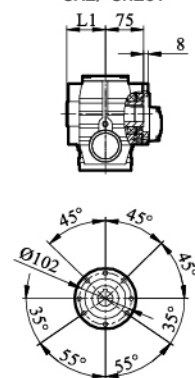
S57



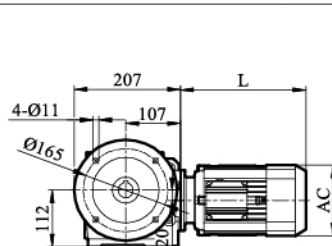
SA/SH57



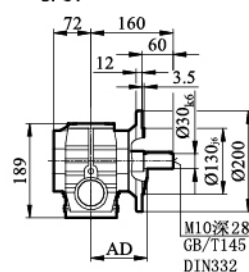
SAZ/SHZ57



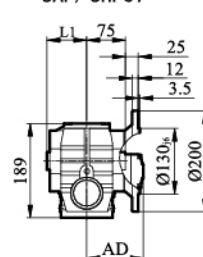
型号 Size	SA SAZ SAF	KS SHZ SHF
L1	75	105



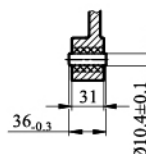
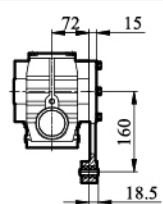
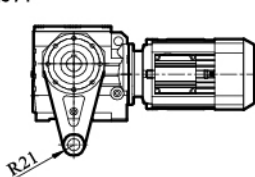
SF57



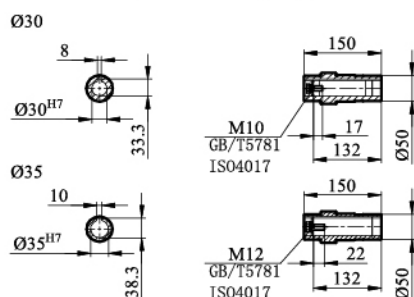
SAF/SHF57



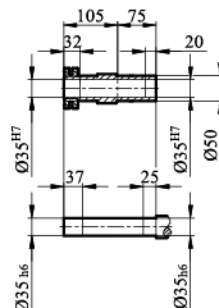
SA57T



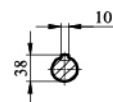
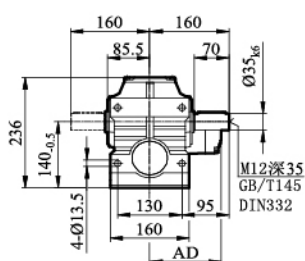
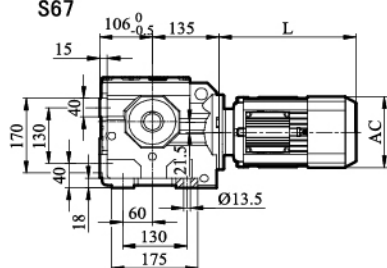
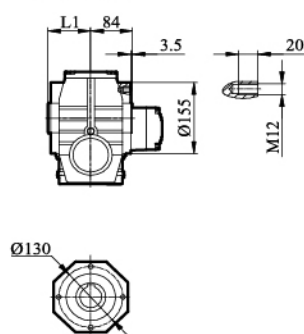
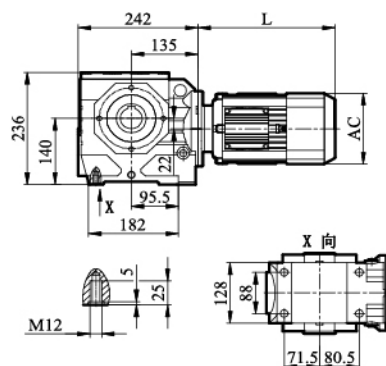
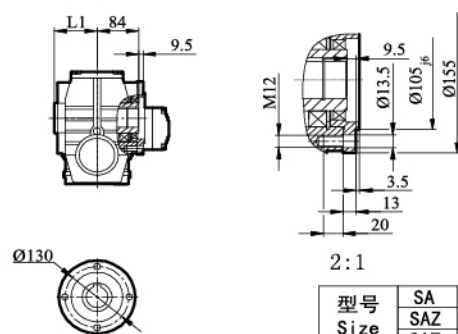
SA/SAZ/SAF57输出轴



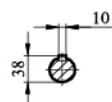
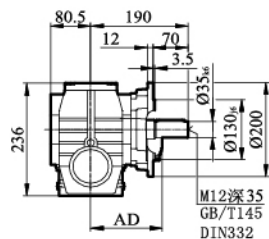
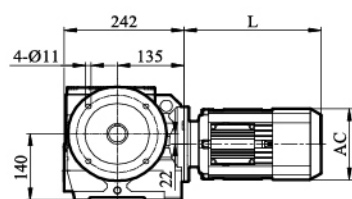
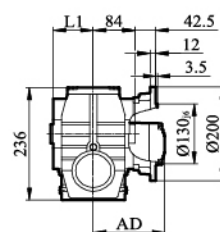
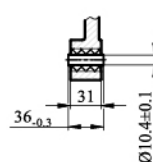
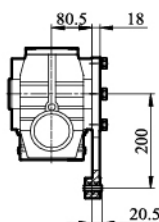
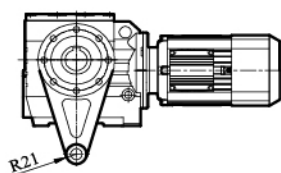
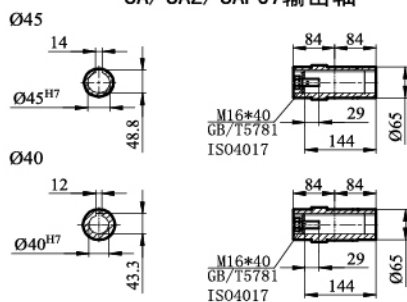
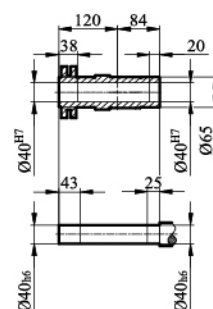
SH/SHZ/SHF57输出轴



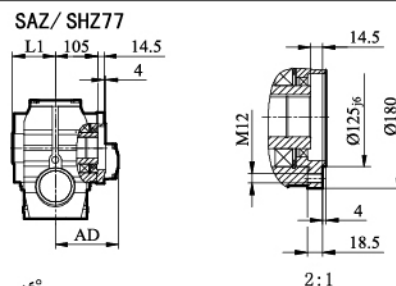
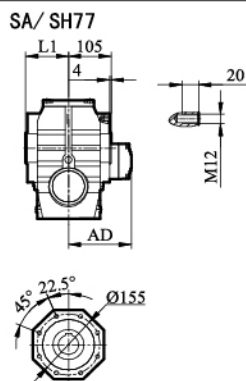
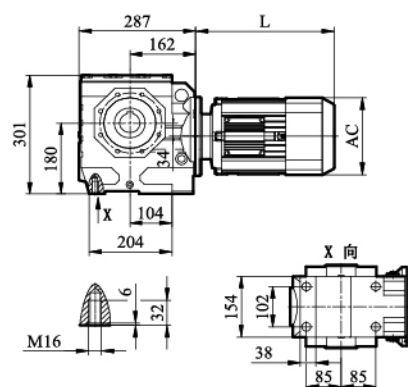
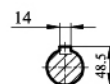
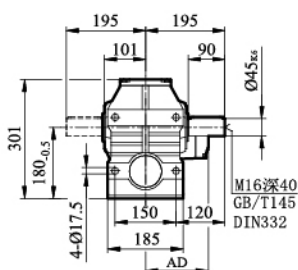
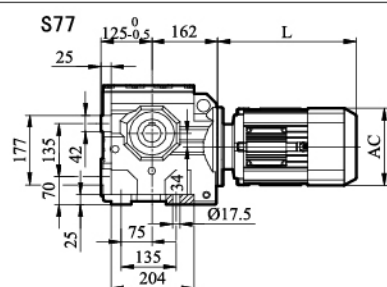
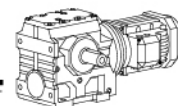
Y2电机机座号 Motor Size	63	71	80	90S	90L	100
L	226	240	288	301	326	349
AC	Φ 130	□ 135	□ 145	□ 162	□ 162	□ 185
AD	100	110	140	155	155	180

S67

SA/ SH67

SAZ/ SHZ67


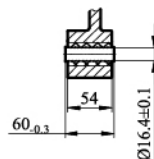
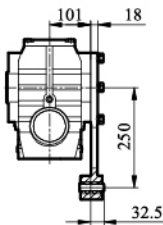
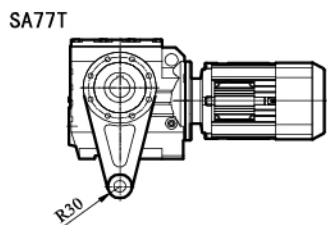
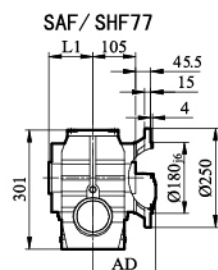
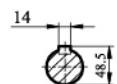
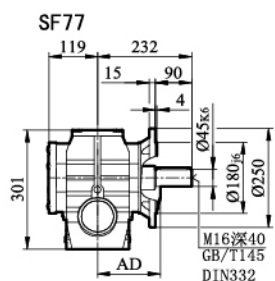
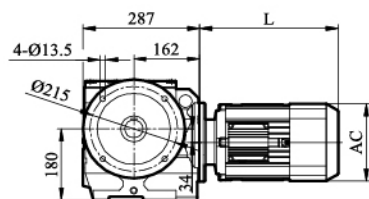
型号 Size	SA SAZ	SH SHZ
L1	84	120

SF67

SAF/ SHF67

SA67T

SA/ SAZ/ SAF67输出轴

SH/ SHZ/ SHF67输出轴


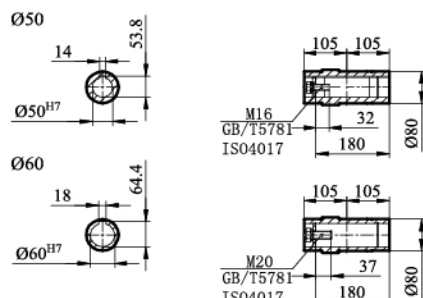
Y2电机机座号 Motor Size	63	71	80	90S	90L	100	112	132S	
L	213	240	288	301	326	346	383	430	
AC	Φ 130	□135	□145	□162	□162	□185	□204	□260	
AD	100	110	140	155	155	180	190	210	



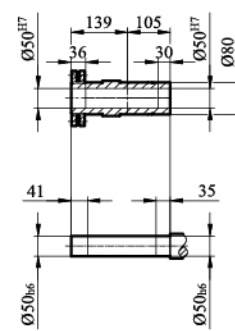
型号 Size	SA SAZ SAF	SH SHZ SHF
L1	105	139



SA/ SAZ/ SAF77输出轴



SH/ SHZ/ SHF77输出轴



Y2电机机座号 Motor Size	71	80	90S	90L	100	112	132S	132M	160M	
L	228	288	301	326	346	383	430	468	523	
AC	□135	□145	□162	□162	□185	□204	□260	□260	φ 330	
AD	110	140	155	155	180	190	210	210	255	

