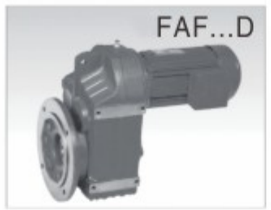
产品图片
PRODUCT PICTURES



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2. 产品说明
Product Introduciton

我公司硬齿面系列减速机是具有国际先进水平，包括R系列斜齿轮减速机、F系列平行轴－斜齿轮减速机、K系列斜齿轮－伞齿轮减速机、S系列斜齿轮－蜗轮蜗杆减速机等。

我公司减速机系列产品采用模块化产品优化设计理念，使用有限元分析软件，采用独特的低噪音齿轮齿形设计，确保设计的先进性；传动比分级精细，有数百万种不同的组合，可满足用户各种不同需求；从选料到制造单元加工，实现产品的高精度、免维护，可选范围广。

我公司还备有双联型减速机（输入端加装一个斜齿轮减速机）、 锁紧盘、花键空心轴、B14法兰等多种组合方式供客户选择，详情请向我公司咨询。

Our Hardened reducer series is with international advanced level, including the R series helical gear reducer, F series parallel to the axis of the – helical gear reducer,K series helical gears – bevel gear reducer, s series helical gear – worm reducer etc.

Our corporation Series products follow Motor the philosophy of modularization and optimization , adopt finite element analysis method and unique lower noise technology in designing gear, to insure advanced design. The classi ficationof ratio is so acurate that.

Our corporation also provides other product options such as combined geared motor, shrink disk, spline hollow shaft, B14 flange, please consult our company for further information.

3. 型号说明
Model Notes

3.1 减速机符号说明 Reducer Model Introduction

R | F | 87 | Ⅱ | D | 100 | M | 4 / BMG / HF / TF / 124.97 / M1 / 90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 产品代码
R-斜齿轮减速电机
F-平行轴-斜齿轮减速电机
K-斜齿轮-伞齿轮减速电机
S-斜齿轮-涡轮蜗杆减速电机

2 装配形式
无代码-底脚安装
F-法兰安装
M-法兰安装带加长轴承箱

3 减速机规格号
87-减速机
规格号为87

4 法兰盘大小
无代码-无法兰，
或只有一种法兰，
或一种以上法兰中的最小法兰
Ⅱ-两种法兰中的大法兰，
三种法兰中的法兰
Ⅲ-三种法兰中的最大法兰

5 电动机
D-三相异步电动机（IP54）
YB-隔爆型三相异步电动机
YGP-矿道用变频三相异步电动机
YZP-冶金、起重用变频调速三相异步电动机
YVP-变频调速三相异步电动机
YD-变极多级三相异步电动机

6 电动机规格代号
100-电机中心
高为100mm

7 电动机定子铁心长度代号
D、K、N、S、
M、ML、L

8 电动机极数
4-电动机极数为4

9 制动器
无代码-无制动器
BMG-制动器

10 手动释放装置
无代码-无手动释放装置
HF-手动释放
锁在制动释放位置
HR-手动释放
自动返回制动位置

11 电机热保护
无代码-无电机热保护
TF-热敏电阻保护装置
PTC热敏电阻
TH-恒温器保护装置
双金属片开关

12 减速机转动比
124.97-减速机
传动比为124.97

13 安装位置
M1-安装形式图中
M1位置

14 接线盒位置
无代码-安装形式
图中0° 位置
90° -安装形式
图中90° 位置

R | F | 87 | Ⅱ | D | 100 | M | 4 / BMG / HF / TF / 124.97 / M1 / 90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 Product Code
R-Helical Geared Motor
F-Parallel Shaft-Helical Geared Motor
K-Helical-Bevel Geared Motor
S-Helical-Worm Geared Motor

2 Installation type
No Code-Feet-mounted
F-Flange-mounted
M-Flange-mounted with exte-nded bearing housing

3 Gear Unit Size
87-Gear Unit Size 87

4 Flange Size
Ⅰ-No Code-No flange or only one flange or the sm-allest flnge
Ⅱ-Second bigger flange
Ⅲ-Biggest flange

5 Electromotor
D-Three-phase Asychron-ous Motor(IP54)
YB-Flame-Proof with three-phase asychronous motor
YZP-Metallurgy overweight with three-phase asychronous motor
asychronous motor with frequancy.
YD-Pole-Changing three-phase asychronous motor

6 Frame Size
100-Height of motor center is 100mm

7 Stator Length
D、K、N、S、
M、ML、L

8 Number of Poles
4-4 Poles

9 Brake
No Code-No Brakes
BMG-Brakes

10 Brake Release
No Code-NO Brake Release
HF-Manual release(lock in the brake release position)
Brake Release
HR-Manual release(automatic braking position)

11 Thermistor
No Code-NO Thermistor
HF-Thermistor Sensor
TF-Thermistor protection (PTC thermistor)
TH-Thermostat protection (Bimetal swoth)

12 Ratio
124.97-Ration 124.97

13 Mounting Position
M1-Mounting Position M1

14 Terminal Box Position
No Code-Terminal Box Position is 0°
90° -Terminal Box Position is 90°

F A 87/G D 100 M 4/BMG/HF/TF/123.29/M1/90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 产品代码

R-斜齿轮减速电机
F-平行轴-斜齿轮减速电机
K-斜齿轮-伞齿轮减速电机
S-斜齿轮-蜗轮蜗杆
减速电机

2 装配型式

无代码-底脚安装
F-法兰安装
A-空心轴安装
AF-法兰空心轴安装
H-锁紧盘输出轴
V-花键空心轴

3 减速机规格号

87-减速机
规格号为87

4 扭矩臂

无代码-无扭矩臂
G-扭矩臂

5 电动机

D-三相异步电动机（IP54）
YB-隔爆型三相异步电动机
YGP-辊道用变频三相异步电动机
YZP-冶金、起重用变频调速三相异步电动机
YVP-变频调速三相异步电动机
YD-变极多速三相异步电动机

6 电动机规格代号

100-电机中心
高为100mm

7 电动机定子铁心长度代号

D、K、N、S、
M、ML、L

8 电动机极数

4-电动机极数为4

9 制动器

无代码-无制动器
BMG-制动器

10 手动释放装置

无代码-无手动释放装置
HF-手动释放
锁在制动释放位置
HR-手动释放
自动返回制动位置

11 电机热保护

无代码-无电机热保护
TF-热敏电阻保护装置
PTC热敏电阻
TH-恒温器保护装置
双金属片开关

12 减速机转动比

123.29-减速机
传动比为123.29

13 安装位置

M1-安装形式图中
M1位置

14 接线盒位置

无代码-安装型式
图中0° 位置
90° -安装型式
图中90° 位置

F A 87/G D 100 M 4/BMG/HF/TF/123.29/M1/90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 Product Code

R-Helical Geared Motor
F-Parallel Shaft-Helical Geared Motor
K-Helical-Bevel Geared Motor
S-Helical-Worm Geared Motor

2 Unit Model

No Code-Feet-mounted
F-Flange-mounted
A-Hollow Shaft-mounted
AF-Flange-mounted with Hollow Shaft

3 Gear Unit Size

87-Gear Unit Size 87

4 Torque Arm

No Code-No Torque Arm
G-Torque Arm

5 Electromotor

D-Three-phase Asychronous Motor(IP54)
YB-Flame-Proof with threephase asychronous motor
YGP-Rollor with threephase asychronous motor
YZP-Metallrgy overweight with three-phase asychronous motor
TVP-three phase asychronous motor asychronous motor with fregency
YD-Polo-Changing three-phase asychronous motor

6 Frame Size

100-Height of motor center is 100mm

7 Stator Length

D、K、N、S
M、ML、L

8 Number of Poles

4-4 Poles

9 Brake

No Code-No Brakes
BMG-Brakes

10 Beake Release

No Code-No Brake Release
HF-Manual release(lock in the brake release position)
Brake Release
HR-Manual release(automatic braking position)

11 Thermistor

No Code-No Thermistor
TF-Thermistor Sensor
TF-Thermistor protection (PTC thermistor)
TH-Thermostat protection (Bimetal swoth)

12 Ratio

123.29-Ratio 123.29

13 Mounting Position

M1-Mounting Position M1

14 Terminal Box Position

No Code-Terminal Box Position is 0°
90° -Terminal Box Position is 90°

K A 87/T D 100 L 4/BMG/HF/TF/115.82/B/M1/90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 产品代码

R-斜齿轮减速电机
F-平行轴-斜齿轮减速电机
K-斜齿轮-伞齿轮减速电机
S-斜齿轮-蜗轮蜗杆
减速电机

2 装配型式

无代码-底脚安装
F-法兰安装
A-空心轴安装
AF-法兰空心轴安装
H-锁紧盘输出轴
V-花键空心轴

3 减速机规格号

87-减速机
规格号为87

4 扭矩臂

无代码-无扭矩臂
T-扭矩臂

5 电动机

D-三相异步电动机（IP54）
YB-隔爆型三相异步电动机
YGP-辊道用变频三相异步电动机
YZP-冶金、起重用变频调速三相异步电动机
YVP-变频调速三相异步电动机
YD-变极多速三相异步电动机

6 电动机规格代号

100-电机中心
高为100mm

7 电动机定子铁心长度代号

D、K、N、S、
M、ML、L

8 电动机极数

4-电动机极数为4

9 制动器

无代码-无制动器
BMG-制动器

10 手动释放装置

无代码-无手动释放装置
HF-手动释放
锁在制动释放位置
HR-手动释放
自动返回制动位置

11 电机热保护

无代码-无电机热保护
TF-热敏电阻保护装置
PTC热敏电阻
TH-恒温器保护装置
双金属片开关

12 减速机转动比

115.82-减速机
传动比为115.82

13 轴指向

A-轴指向为A
B-轴指向为B
AB-双输出轴

14 安装位置

M1-安装形式图中
M1位置

15 接线盒位置

无代码-安装型式
图中0° 位置
90° -安装型式
图中90° 位置

K A 87/T D 100 L 4/BMG/HF/TF/115.82/B/M1/90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 Product Code

R-Helical Geared Motor
F-Parallel Shaft-Helical Geared Motor
K-Helical-Bevel Geared Motor
S-Helical-Worm Geared Motor

2 Unit Model

No Code-Feet-mounted
F-Flange-mounted
A-Hollow Shaft-mounted
AF-Flange-mounted with Hollow Shaft

3 Gear Unit Size

87-Gear Unit Size 87

4 Torque Arm

No Code-No Torque Arm
T-Torque Arm

5 Electromotor

D-Three-phase Asychronous Motor(IP54)
YB-Flame-Proof with threephase asychronous motor
YGP-Rollor with threephase asychronous motor
YZP-Metallrgy overweight with three-phase asychronous motor
TVP-three phase asychronous motor asychronous motor with fregency
YD-Polo-Changing three-phase asychronous motor

6 Frame Size

100-Height of motor center 100mm

7 Stator Length

D、K、N、S
M、ML、L

8 Number of Poles

4-4 P

9 Brake

No Code-No Brakes
BMG-Brakes

10 Beake Release

No Code-No Brake Release
HF-Manual release(lock in the brake release position)
Brake Release
HR-Manual release(automatic braking position)

11 Thermistor

No Code-No Thermistor
TF-Thermistor Sensor
TF-Thermistor protection (PTC thermistor)
TH-Thermostat protection (Bimetal swoth)

12 Ratio

115.82-Ratio 115.82

13 Position of the Output Shaft

A-Shaft with A
B-Shaft with B
AB-Shaft with A+B

14 Mounting Position

M1-Mounting Position M1

15 Terminal Box Position

No Code-Terminal Box Position is 0°
90° -Terminal Box Position is 90°

S A 87 / T D 100 M 4 / BMG / HF / TF / 110.4 / d45 / B / M1 / 90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

1 产品代码
R-斜齿轮减速电机
F-平行轴-斜齿轮减速电机
K-斜齿轮-伞齿轮减速电机
S-斜齿轮-蜗轮蜗杆
减速电机

2 装配型式
无代码-脚底安装
F-法兰安装
A-空心轴安装
AF-法兰空心轴安装
H-锁紧盘输出轴
V-花键空心轴

3 减速机规格号
87-减速机
规格号为87

4 扭矩臂
无代码-无扭矩臂
T-扭矩臂

5 电动机
D-三相异步电动机（IP54）
YB-隔爆型三相异步电动机
YGP-辊道用变频三相异步电动机
YZP-冶金、起重用变频
调速三相异步电动机
YVP-变频调速三相异步电动机
YD-变极多速三相异步电动机

6 电动机规格代号
100-电机中心
高为100mm

7 电动机定子铁心长度代号
D、K、N、S、
M、ML、L

8 电动机极数
4-电动机极数为4

9 制动器
无代码-无制动器
BMG-制动器

10 手动释放装置
无代码-无手动释放装置
HF-手动释放
锁在制动释放位置
HR-手动释放
自动返回制动位置

11 电机热保护
无代码-无电机热保护
TF-热敏电阻保护装置
PTC热敏电阻
TH-恒温器保护装置
双金属片开关

12 减速机传动比
110.4-减速机
传动比为110.4

13 空心轴孔径
d45-空心轴
孔径为45H7
（尺寸表中两种孔径选择一种）

14 轴指向
A-轴指向为A
B-轴指向为B
AB-双输出轴

15 安装位置
M1-安装形式图中
M1位置

16 接线盒位置
无代码-安装型式
图中0° 位置
90° -安装型式
图中90° 位置

S A 87 / T D 100 M 4 / BMG / HF / TF / 110.4 / d45 / B / M1 / 90°

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

1 Product Code
R-Helical Geared Motor
F-Parallel Shaft-Helical Geared Motor
K-Helical-Bevel Geared Motor
S-Helical-worm Geared Motor

2 Unit Model
No Code-Feet-mounted
F-Flange-mounted
A-Hollow Shaft-mounted
AF-Flange-mounted with Hollow Shaft

3 Gear Unit Size
87-Gear Unit Size 87

4 Torque Arm
No Code-No Torque Arm
T-Torque Arm

5 Electromotor
D-Three-phase Asychron-ous motor(IP54)
YB-Flame-Proof with three-phese asychronous motor
YGP-Roller with three-phese asychronous motor
YZP-Metallrgy overweight with three-phese asychronous motor
YVP-Three phese asychronous motor asychronous motor with frequency
YD-Pole-Changing three-phese asychronous motor

6 Frame Size
100-Height of motor center is 100mm

7 Stator Length
D、K、N、S、
M、ML、L

8 Number of Poles
4-4P

9 Brake
No Code-No Brakes
BMG-Brakes

10 Brake Release
No Code-No Brakes Release
HF-Manual release(lock in the brake release position)
Brake Release
HR-Manual release(automatic bracking position)

11 Thermistor
No Code-No Thermistor
TF-Thermistor Sensor
TF-Thermistor protection (PTC thermistor)
TF-Thermistor protection (Bimetal swotch)

12 Ratio
110.4-Ratio 110.4

13 Hollow shaft diameter
d45-Hollow shaft diamerter is45

14 Position of the Output Shaft
A-Shaft with A
B-Shaft with B
AB-Shaft with A+B

15 Mountiong Position
M1-Mounting Position M1

16 Terminal Box Position
No Code-Terminal Box Position is 0°
90° -Terminal Box Position is 90°

3.2 减速机和减速制动电机供货型号
3.2 Type of gear motor and gear motor with brake

R、F、K、S
减速机
Gear motor

下表列出了可提供的斜齿轮(R)、平行轴(F)、斜齿轮-伞齿轮(K)和斜齿轮-蜗轮杆(S)减速机型号。
There are the types of helical(R)、parallel shaft helical(F)、helical-bevel(K)and helical-worm(S)geared motors.
We supplied in the table.

型号 Model	减速机			
	斜齿轮 (R) Helical	平行轴 (F) Parallel shaft	斜齿轮-伞齿轮 (K) Helical bevel	斜齿轮-蜗轮蜗杆 (S) Helical worm
底脚安装 Foot mounted	●	●	●	●
B5法兰安装 B5 flange mounted	●	●	●	●
底脚/B5法兰安装 Foot/B5 flange mounted	●2)	●	–	–
带键空心轴安装 Hollow shaft mounted	–	●	● 1)	●1)
带锁紧盘空心轴安装 Hollow shaft with shrink disk	–	●	● 1)	●1)
带花键空心轴安装 Splined hollow shaft mounted	–	●	● 1)	–
带锁紧盘空心轴安装+底脚安装 Hollow shaft with shrink disk+foot mounted	–	●	●	–
带键空心轴安装+底脚安装 Hollow shaft with Key+foot mounted	–	●	●	–
带花键空心轴安装+底脚安装 Splined hollow shaft mounted+foot mounted	–	●	●	–
带键空心轴安装+B5法兰安装 Hollow shaft with Key+B5 flange mounted	–	●	●	●
带锁紧盘空心轴安装+B5法兰安装 Hollow Shaft with shrink disk+B5 flange mounted	–	●	●	●
带花键空心轴安装+B5法兰安装 Splined hollow shaft mounted+B5 flange mounted	–	●	●	–
带键空心轴安装+B14法兰安装 Hollow shaft with Key+B14 flange mounted	–	●	●	●
带花键空心轴安装+B5法兰安装 Splined hollow shaft mounted+B5 flange mounted	–	●	●	–
带键空心轴安装+B14法兰安装 Hollow shaft with Key+B14 flange mounted	–	●	●	●
带锁紧盘空心轴安装+B14法兰安装 Hollow shaft with shrink disk+B14 flange mounted	–	●	●	●
带花键空心轴安装+B14法兰安装 Splined hollow shaft mounted+B14 flange mounted	–	●	●	–

● 适用于标准型号 The normal type
— 不可用 Can't use
1) 也可带力矩臂 You can use torque arm
2) 仅用于 R37-R87 Only used by R37-R87

多级减速机
Multi-stage geared motor

通过多级减速器或多减速电机，可获得特别低的输出转速。就是在输入端安装一个斜齿轮减速机或减速电机作为第二级齿轮箱。此时，要注意根据减速机最大许用的输出扭矩，限制电机功率。

You can achieve the particularly low output speed by using multi-stage geared motor. The method is mounting a helical gear unit as a second gear units on the input end. Notice that restrice the motor power according the maximun permitted output torque.

搅拌专用减速机
RM geared motor

RM减速电机作为斜齿轮减速电机的特殊规格，它带有一个加长的轴承箱，专为搅拌应用场合设计的，它可应用于承受大的径向力和轴向力甚至弯矩的场合，其它数据和斜齿轮减速电机相一致。

RM geared motors are a special type of helical geared motor with an expanded output bearing hub. They are specially designed for agitating applications and can be used in applicantions subject to hign overhung and axial loads as well as flexural torque. The remaining data correspond with to the standard helical geared motors.

制动电机
Brake motors

根据需要可以把机械制动与电机及减速机合成一体提供，制动器是由带直线圈的电磁盘式制动器，通过电磁力打开，弹簧力制动，它的制动原理意味着断电制动，满足了基本安全需要，制动器如果安装手动释放，可实现机械式释放。手动释放有手柄或平头螺丝两种形式，手柄可自动弹回，平头螺丝可锁在释放位置。制动器通过装在电机接线盒或电气柜的制动控制系统来驱动。

On request,motors and geared motors can be supplied with an integrated mechanical brake. The brake is an electromagnetic disk brake withe a DC coil which is released electrically and braked using spring force.The design principle means the brake is applied if the power fails.This means it complies with fundamental safety requirements.The brake can also be released mechanically if fitted with manual brake release.For this purpose,either a hand lever or a setscrew is supplied with the brake.The hand lever aprings back automaticlally and the setscrew can be locked.The brake is activated by a brake control system which is in the wiring switch cabinet.

3.3 减速机及附件的名称
3.3 Unit designations gear units and options

斜齿轮减速机
Helical gear units

R..	底脚安装 Foot–mounted
RF..	法兰安装 Flange–mounted
R..F	底脚–法兰安装 Foot and flange–mounted
RM..	带加长轴承箱，法兰安装 Flange–mounted with the extended bearing housing

平行轴减速机
Parallel shaft helical gear units

F..	底脚安装 Foot mounted
FA..B	底脚安装，空心轴 Flange mounted with hollow shaft
FH..B	底脚安装，带锁紧盘空心轴 Foot mounted with hollow shaft and shrink disk
FV..B	底脚安装，带花键空心轴 Foot mounted with hollow shaft and splined hollow shaft
FF..	B5法兰安装 B5 flange mounted
FAF..	B5 法兰安装，空心轴 B5 flange mounted with hollow shaft
FHF..	B5 法兰安装，带锁键盘空心轴 B5 flange mounted with hollow shaft and shrink disk
FVF..	B5 法兰安装，带花键空心轴 B5 flange mounted with spined hollow shaft disk
FA..	空心轴安装 Hollow shaft mounted
FH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
FV..	带花键空心轴安装 Splined hollow shaft mounted
FAZ..	B14法兰安装，空心轴 B14flange mounted with hollow shaft
FHZ..	B14法兰安装，带锁紧盘空心轴 B14flange mounted with hollow shaft disk
FVZ..	B14法兰安装，带花键空心轴 B14flange mounted with splined hollow shaft

斜齿轮–伞齿轮减速机
Helical–bevel gear units

K..	底脚安装 Foot mounted
KA..B	底脚安装，空心轴 Foot mounted with hollow shaft
KH..B	底脚安装，带锁紧盘空心轴 Foot mounted with hollow shaft and shrink disk
KV..B	底脚安装，带花键空心轴 Foot mounted with hollow shaft ang splined hollow shaft
KF..	B5法兰安装 B5flange mounted
KAF..	B5法兰安装，空心轴 B5flange mounted with hollow shaft
KHF..	B5法兰安装，带锁键盘空心轴 B5 flange mounted with hollow shaft and shrink disk
KVF..	B5法兰安装，带花键空心轴 B5 flange mounted with spined hollow shaft disk
KA..	空心轴安装 Hollow shaft mounted
KH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
KV..	带花键空心轴安装 Splined hollow shaft mounted
KAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
KHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk
KVZ..	B14法兰安装，带花键空心轴 B14 flange mounted with spined hollow shaft

斜齿轮–蜗轮蜗杆减速机
Helical–worm gear units

S..	底脚安装 Foot mounted
SF..	B5法兰安装 B5 flange mounted
SAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
SHF..	B5法兰安装，带锁键盘空心轴 B5 flange mounted with hollow shaft and shrink disk
SA..	空心轴安装 Hollow shaft mounted
SH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
SAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
SHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk

3.4 交流电机及附件名称
3.4 The name of AC motors and its accessories

双速交流电机型号
Pole – Changing AC motors with soft start

SD…　双速电机法兰安装
Pole – Changing flange mounted

电机先型
Motor options

BMG	制动器 Brake
../HF	手动释放（锁在制动释放位置） ..with lock manual brake release
../HR	手动释放（自动返回制动位置） ..with automatic manual brake disengagir
/RS	逆止器 Backstop
/TF	热敏电阻保护装置（PTC热敏电阻） Thermistor sensor(PTC resistance)
/TH	恒温器保护装置（双金属片开关） Thermostat(bimetallic switch)
/U	机身冷却（无通风） Non–vemtilated
/V	强制冷风扇3x380–415V_{AC}50HZ Forced cooling fan.3*380–415V_{AC},50HZ
/VS	强制冷风扇1X220–266V_{AC}50HZ Forced cooling fan.1*220–266V_{AC},50HZ
/VR	强制冷风扇1X24V_{DC} Forced cooling fan.1*24V_{DC}
/Z	高惯量飞轮风扇 Addition flywheel mass
/C	风扇防雨罩 Protection cowl foe the fan guard
–SRD	辊道电机 rooler motor

编码器附件
Encoder on AC motor options

../H	增量编码器 Absolute encoder cooling fan.
../HR	绝对值编码器，MPS和sin/cos信号，24V_{DC} 电源 Absolute encoder with solid shaft.MSI and Sin/cos signals and 24V_{DC}supply
/RE	扩展轴编码器,TTL(RS–422)信号,5V_{DC}电源 Encoder with spread shaft.TTL(RS–422)sIgnals and,5V_{DC}supply
/TF	扩展轴编码器,sin/cos信号,24V_{DC}电源 Encoder with spread shaft.signals and24V_{DC}supply
/TH	扩展轴编码器,TTL(RS–422)信号,24V_{DC} 电源 Encoder with spread shaft.TTL(RS–422)sIgnals and24V_{DC}supply
/U	扩展轴编码器,HTL Encoder with spread shaft
/V	实心轴编码器，TTL(RS–422)信号,5V_{DC}电源 Encoder with spread shaft.TTL(RS–422)signals and5V_{DC}supply
/VS	实心轴编码器,sin/cos信号,24V_{DC}电源 Encoder with spread shaft.signals and24V_{DC}supply
/VR	实心轴编码器，TTL(RS–422)信号,24V_{DC}电源 Encoder with spread shaft.TTL(RS–422)signals and24V_{DC}supply
/Z	实心轴编码器,HTL Encoder with spread shaft
/C	接近开关,带A通道,24V_{DC}电源 Proximity sensor with A track and 24V_{DC}supply
–SRD	接近开关,带A、B通道 ,24V_{DC}电源 Proximity sensor with A/B track and 24V_{DC}supply

编码器安装附件
Mounting device for encoders on AC motor options

ES,,A	扩展轴安装 ..With spread shaft
EV1A	实心轴安装托架 ..With solid shaft

4. 减速机选型

4.1 传动装置选型数据

准确地确定所需传动装置,下表所列的数据是必需的:

传动装置选型数据			
n_{amin}	最小输出转速	[rpm]	
n_{amak}	最大输出转速	[rpm]	
$P_a$at n_{amak}	最低输出转速下的输出功率	[kW]	
$P_a$at n_{amak}	最高输出转速下的输出功率	[kW]	
$M_a$at n_{amak}	最低输出转速下的输出扭矩	[Nm]	
$M_a$at n_{amak}	最高输出转速下的输出扭矩	[Nm]	
F_R	输出轴径向力。假设载荷作用在轴伸的中点。 如果不一致，请确定径向以便进行校核计算。 角度和轴的旋转达方向以便进行校核计算。	[N]	
F_A	输出轴轴向负载（拉力和压力）	[N]	
J_{load}	被驱动件的转动惯量	[10^{-4}kgm^2]	
R/F/K/S/W M1–M6	所需减速机类型和安装位置	–	
IP..	外壳防护等级	–	
ϑ_{env}	环境温度	[℃]	
H	海拔高度	[m above sealevel]	
S..,..%cdf	工作制和负载持续率cdf;也可给出精确的负载周期图	–	
z	启停频率；也可给出精确的负载周期图	[no.perh]	
f_{mains}	电源频率	[Hz]	
V_{mot}, V_{brake}	电机工作电压和制动器电压	[V]	
M_B	所需制动力矩	[Nm]	
对于变频器运行：控制模式和设置范围			

4. Selection of gear reducer

4.1 Drive selection data

Certain data are essential to specify the components for your drive. These are.

n_{amin}	Minimum output speed	[rpm]	
n_{amax}	Maximum output speed	[rpm]	
P_a at n_{amax}	Output power at minimum output speed	[kW]	
P_a at n_{amax}	Output power at maximum output speed	[kW]	
M_a at n_{amax}	Output torque at minimum output speed	[Nm]	
M_a at n_{amax}	Output torque at maximum output speed	[Nm]	
F_R	Overhung load on output shaft. Assumes force application is in the center or shaft end. If not,please specify the exact application point indicating the application angle and direction of rotation of the shaft for a check calculation	[N]	
F_A	Axial load(tension and compression)on output shaft	[N]	
J_{load}	Mass moment of inertia to be driven	[10^{-4}kgm^2]	
R/F/K/S/W M1–M6	Required gear unit type and mounting position(→sec. Mounting positions,churning losses)	–	
IP..	Required protect rank	–	
ϑenv	Ambient temperature	[C]	
H	Altitude	[m above sea level]	
S..,%cdf	Operating mode and intermittency factor cdf: alternatively,exact load cycle can be specified.	–	
Z	Starting frequency;alternatively,exact load cycle can be specified	[no.per h]	
f_{mains}	Supply frequency	[Hz]	
$V_{mot.}$ V_{brake}	Operating voltage of motor and brake	[V]	
M_B	Required braking torque	[Nm]	
For inverter operation: Required control mode and setting range			

4.2 选型流程图
4.2 Project planning sequence

例
Example

带有位置要求驱动方案的流程示意图,所涉及的减速电机由变频器控制
The following flowchart diaplays a schematic view of the procedure for planning a project in corporating a positioning drive. The drive comprises a geared motor which is powered by an inverter

被驱动机的参数 –技术参数和环境条件 –位置精度要求 –速度范围（旋转精度） –循环时间的确定	Calculation of the relevant application date –Technical data and ambient conditions –Positioning accuracy –Speed setting range(true–running accuracy) –calculation of the travel cycle
计算相关的应用参数 –所需的静态，动态功率及能耗制动的计算 –速度 –扭矩 –运行图	Calculation of the relevant application date –Static,dynamic and regenerative power –Speeds –Touque –Travel cycle
减速机选择 –确定减速机的规格、速比和型号 –位置精度 –验算减速机负载能力（Mamax≥Ma(t)）	Cear unit selection –Definition of gear unit size,reduction ratio and type –Check for positioning accuracy –Check for gear unit load ability(Ma max≥Ma(t))
控制系统选择的基本依据 –位置精度 –速度范围 –控制模式	Control System selection depending on –Positioning accuracy –Speed range –Control mode
变频器操作模式 –V/F控制方式（开环/闭环） –电压矢量模式（开环/闭环）VFC –电流矢量模式CFC	Inverter operation mode –Voltage–controlled inverter with and without speed control –Voltage–controlled, flux vector–controlled inverter with and without speed control –Current–controlled,flux vector–controlled inverter
电机选择 –最大扭矩 –原动机正常转速下的扭矩 –最大速度 –对原动机的扭矩特性曲线 –热负载（设定范围、循环周期系数） –编码器选择 –电机附件（制动器、接线盒、热敏电阻传感器）	Motor selection –Maximum torque –In dynamic drives:effective torque at mediumspeed –Maximum speed –In dynamic drives:torque curves –Thermal loading(setting range,cyclic duration factor) –Selection of the correct encoder –Motor equipment(barke,plug connection,TF tempetature sensor monitoring,erc.)
变频器选择 –变频功率选择 –VFC控制模式下的连续功率和尖峰功率 –CFC+伺服控制模式下的连续功率和尖峰功率	In verter selection –Motor/in verter assignment –Continuous power and peak power in voltage–controlled inverters –Continuous current and peak current in current–controlled inverters
制动电阻选择 –根据能耗功率和工作循环周期定制动电阻	Selecting the braking resistor –Based on the calculated regenerative power and cdf
其它选择 –电磁干扰的计算（EMC） –控制板/通讯板 –附加功能	Options –EMC measures –Operation/communication board –Additional functions
检查是否所有要求已满足	Check to see if all requirements have been met

图：选型应用流程图　Figure:Project planning process

4.3 减速机的效率
4.3 Efficiency of gear units

减速机的效率主要由齿轮啮合和轴承摩擦损失所决定的。
减速机运行初期的效率总是比正常运行时要低，尤其是斜齿轮蜗轮蜗杆和螺旋平面减速机更为明显。

The efficiency of the gear units is mainly determined by the gearing,mash and bearing friction.Please note that the starting efficiency of a gear unit is always less than its efficiency at operating speed.This fact is especially obvious in helical–worm right–angle geared motos.

R.F.K系列减速机
R.F.gear units

斜齿轮、平行轴、斜齿轮–锥齿轮减速机的效率是根据减速级数确定，在94%(3级)–98%(1级)之间。
The efficiency of helical,parallel shaft and helical–bevel gear units baries according to the number of gear stages, between 94%(3–stage)and 98%(1–stage).

S系列减速机
S gear units

斜齿轮蜗杆减速机由于产生高损失的滑动摩擦，所以它们比R.F.K减速机损失大、效率低，主要是由以下因素决定：
.斜齿轮蜗杆级的传动比
.输入转速
.齿轮箱温度
设计的斜齿轮蜗杆减速机比单级的蜗轮蜗杆减速机的效率有明显的提高，对于很大速比的斜齿轮蜗轮蜗杆才有可能其效率 $\eta < 0.5$。

The gearing in helical–worm and gear units produces a high proportion of sliding friction.As a result,these gear units may have higher gearing losses than R,F or K gear units, and thus be less efficient.The cause of factors are:
–Gear ratio of the helical–worm
–Input speed
–Gear unit temperature
Chgear units are designed as helical worm which makes them significantly more efficient than standard worm gear units.The efficiency may reach $\eta < 0.5$ if the helical–worm stage has a very high ratio step.

自锁条件
Self–locking condition

在斜齿轮——蜗轮蜗杆上加反向力矩会产生一个反向效率 $\eta=2–1/\eta$，其值明显小于正向效率 η，如果正向效率 $\eta \leqslant 0.5$，那么斜齿轮蜗杆减速机会自锁。仅有少量大速比的斜齿轮蜗轮蜗杆减速机静态自锁。如果想利用自锁的制动效果特点请向厂方咨询。

Retrodriving torques on helical–worm gear units produce an efficiency of $\eta`=2–1/\eta$，which is significantly less favorable than the forwards efficiency η,The helica–worm or Spiroplan gear unit is self–locking if the forwards efficiency $\eta \leqslant 0.5$，A few helical–worm gear units with the largest gear ratio are statically self–locking.Please contact if you wish to wish to make technical use of the braking effect of self–locking characteristics.

运行初始阶段
Running–inphase

由于新的斜齿轮蜗杆减速机齿面不够光滑、摩擦角较大，所以效率较正常运行时要小，这种影响在大传动比时变得更加明显。
The tooth flanks of new helical–worm and gear units are not yet completely smooth .For the friction angle is greater，the efficiency will be less than later operation.This effect becomes more apparent in the greater ratio.

在运初试阶段，所给定的效率值应减去表中数值：
In The first beginning,the given efficiency number should minus as follows

	Helical–worm	速比i的范围
1start	appro×. 12%	appro×. 50–280
2start	appro×. 6%	appro×. 20–75
3start	appro×. 3%	appro×. 20–90
4start	–	–
5start	appro×. 3%	appro×. 6–25
6start	appro×. 2%	appro×. 7–25

经过连续签24小时运行，斜齿轮蜗轮蜗杆满足以下条件可以达到给出的额定效率：
.减速机经过充分的试运行
.减速机达到正常运行温度值
.加入推荐的润滑剂
减速机在额定的负载范围内工作

The running–in phase normally lasts 24 hours. Helical–worm gear units achievetheir listed rated efficiency values when:
–The gear unit has been run is completely
–The gear unit has reached normal operation temperature
–The recommended lubricant has been filled in
The gear unit is working within the rated load range

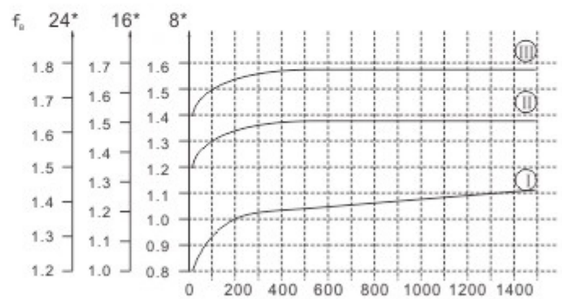
搅动损失
Churning losses

在某些安装位置，第一级小齿轮完全浸在油中，对于大机座号减速机和有较高输入转速的减速机，搅动损失会急剧上升，不能忽视，因此，当遇到此类情况请向厂方咨询。
如果可能，对于K、K和S系列减速机尽量使用M1安装位置以确保较小的搅动损失。

In certain gear unit mounting positions the first reduction stage is completely immersed in the lubricant,For large gear unit sizes and high circumferential velocities of the input stage, this gives rise to churning losses constituting a factor which cannot be ignored .Please contact if you wish to use gear units of this type.If possible,use the mounting position M1 for R,K and S gear units in order to keep the churning losses in low.

4.4使用系数
4.4 Service factor
决定使用系数的因素
Determining of the service factor

选用减速箱要考虑一定的使用系数用f_B表示，使用系数f_B由每天的运行时间和起停频率所决定，根据惯量加速系数确定的三种负载类型也要考虑，可以从图中读取驱动方案的使用系数，从图中确定的使用系数一定要小于或等于从选型表中所给定的使用系数。
Gear unit selection needs to consider a certain factor which we use f_B to express.Theservice factor is determined by the daily operating time and the starting frequency. Three load classifications are also considered to dependon the mass acceleration factor.You can read the different serive factor from the figure as follows. The service factor determined using this diagram must be small than or equal to the service factor as given in the selection tables.



图：使用系数f_B
Fig：service factor f_B

每小时起停次数
starting frequency z/h

*运行小时/天

**起停次数，包括所在的起停和制动过程，所括从低到高，从高到低变换过程。

Daily operating time in hours/day

Starting frenquency Z:The cycles include all staring and braking procedures as well as changes from low to high and high to low speed.

负载类型
Load classification

三种负载类型：

1 均匀载荷，允用的惯性加速系数≤0.2

2 中等冲击载荷，允许的惯性加速系数≤3

3 强冲击载荷，允许的惯性加速系数≤10

Three load classifications are differentiated:

1.Uniform,approved mass acceleration factor≤0.2

2.Moderate shock load,approved mass acceleration factor≤3

3.Severe shock load,approved mass acceleration facor≤10

惯性加速系数
Mass acceleration factor

惯性加速系数的计算方式：

The mass acceleration factor is calculated as follows:

$$\text{惯性加速系数} = \frac{\text{所有的外部转动惯量}}{\text{电动机的转动}}$$

$$\text{Mass acceleration factor} = \frac{\text{All external kmass moments ofineertia}}{\text{Mass moment of inertia on the motor end}}$$

所有的外部转动惯量是指被驱动装置加上减速机相对于电机转速的转动惯量，

这算公式如下：$J_s=j\cdot(\frac{n}{n_M})^2$

“All external mass moments of inertia” are the mass moments of inertia of the driven machine and the gear unit，scaled down to the motor speed.The calculation for scaling down to the motor speed performed using the following fotmula: $J_s=j\cdot(\frac{n}{n_M})^2$

J_s=相对于电机轴的外部转动惯量	J_s=Reduced mass moment of inertia on the motor shaft
J =相对于减速机输出轴的外部转动惯量	J =Mass moment of inertia referenced to the output speed of the gearunit
N=减速机的输出转速	N=Output speed of the gear unit
N_M=电机转速	N_M=Motor speed

电机的转动惯量是指电机转动惯量,若配有制动器和高惯量飞轮(Z风扇)则要相应增加所配部件的转动惯量。

惯性加速系数大于10，要求传动部件高平稳性及大的径向负载时使用系数f_s就大于1.8,此类情况请向 厂方咨询。

“Mass moment of inertia on the motor if it equips the brake and the flywheel fan(Z fan),the components' mass moment of inertia or large overhung loads. Please contact in this case.

使用系数 –f_B

确定最大持续运行扭矩Mamax和由此推导出的使用系统f_s=Mamax/Ma是不标准的，并且不同的制造商之间有很大不同。使用系数f_s=1是，驱动设备在疲劳强度范围内能提供相当高的工作安全性和可靠性（除斜齿轮涡轮蜗杆减速机的涡轮之外）。在一定条件下，的使用系数不必和其它减速机制造商所给出的进行比较。

若有疑问，请和 厂方联系索取针对特殊驱动设备详细资料。

service factor: f_s

The method for determining the maximum approved continuous torque Maxax and then deriving the service factor f_s=Mamax/Ma is not defined in a standard and varies greatly from manufacturer to manufacturer.With their service factor f_s=1， drives afford an extremely high level of safety and reliability in the fatigue strength range（exception:wearing of the worm wheel in helical–worm gear units),Under a certain circumstances，the service factor may not be com parable to the information given details for your specific drive. If there is any questions ,please contact to get the special drive equipments' documenting detail.

举例
Example

惯性加速系数2.5（Ⅱ类载荷），运行时间14小时/天（按16小时/天查图）和300次起停/小时，使用系数在图中为f_B=1.51,根据选型表所选择的减速机 f_s值要≥1.15。

Mass acceleration factor 2.5（load classificationⅡ）,14 hours/day operating time（check the figure at 16h/d）and 300 cycles/hour produce a service factor f_s=1.51 as shown in Fig.2.According to the selection table，the selected motor must have an f_s Value of 1.15 or greater.

斜齿轮蜗杆减速机
Helical–worm gear units

在斜齿轮蜗杆减速机中，除了已有图3中的使用系数f_B外还有两个使用系数$f_{\theta1}$、f_{ω}要考虑

- $f_{\theta1}$=环境温度使用系统
- f_{ω}=负载持续系统

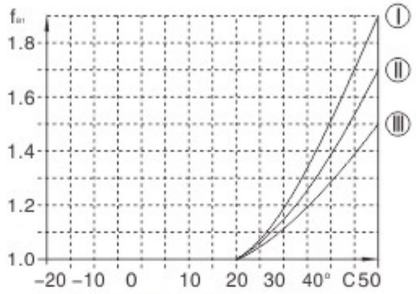
Two further service factors have to be taken into account with helical–worm gear units in addition to the selection factor f_B shown in Fig 2.These are:

–$f_{\theta1}$=Service factor from the ambient temperature

–f_{ω}=Service factor from the cyclic duration factor

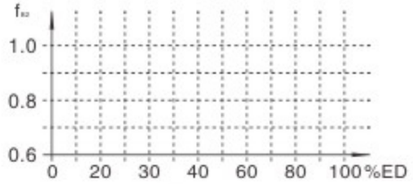
附加的使用系数$f_{\theta1}$、f_{ω}可通过图4确定，确定f_{θ}时和确定f_{ω}同样的方法考虑负载类型。

Additional service factors $f_{\theta1}$ and f_{ω} can be determined by diagrams is Fig 4. For the f_{ω}factor,we candefine it just in the same way



图：附加使用系数 $f_{\theta1}$和f_{ω}

Additional service factors f_{θ} and f_{ω}



$$\text{cdf(\%)} = \frac{\text{负载持续时间分钟/小时 Time under load in min/h}}{60} \quad 100$$

确定$f_{\theta1}$时，环境温度低于–20°C请向 厂方咨询

Please contact in cese of temper atures below–20°C(→$f_{\theta1}$)

斜齿轮涡轮蜗杆减速机总的使用系数$f_{\omega\omega}$按下式计算：$F_{\omega\omega}=f_s.f_{\theta1}.f_{\omega}$

The total service factor for helical–worm gear units is calculated as follows：$F_{\omega\omega}=f_s.f_{\theta1}.f_{\omega}$

举例
Example

若前一个例子使用f_s=1.51的减速机是斜齿轮蜗轮蜗杆减速机

If the geared motor with the service factir f_s=1.51 in the prevenient example is a helical–worm geared motr.

环境温度=40°C→$f_{\theta1}$=1.38（负载类型Ⅱ）

Ambient temperature U=40°C→$f_{\theta1}$=1.38(read off at load classification Ⅱ)

负载工作时间40分钟/小时cdf=66.7% f_{ω}=0.95

Time under load=40min/h→cdf=66.7%→f_{ω}=0.95

根据选型表，所选的斜齿轮蜗轮蜗杆减速机的 f_s则应≥1.98。

According to the selection tables,the selected helical–worm geared motor must have a f_s value of 1.98 or greater.

使用系数(二)
Service factor(Two)

减速机是按载荷平稳，每天工作时间一定和少量起停次数的情况设计的，而在实际使用中往往不是处于此种理想状况，因此必须按照实际情况的载荷类型、运行时间、起动频率来确定工作机系数f_{B1}、原动机系数f_{B2}、起动系数f_{B3}。使用小于或等于选型表中的使用系数f_B，即$f_{B1}\times f_{B2}\times f_{B3}\leqslant f_B$。或将工作机所需的转矩乘以使用系数（$f_{B1}\times f_{B2}\times f_{B3}$）应小于或等于减速机的许用转矩。

Gear units are designed under the circumstance of steady load, stated operating time per day and a few sarting times. But the practical condition will be not as perfect as the designed circumstan -ce. So we must confirm driven machine factor f_{B1}, prime mover factor f_{B2}, starting factor f_{B3} according to actual load type, operating time, starting frequency. Let it less than or equale to the service factor f_B of selection table, viz $f_{B1}\times f_{B2}\times f_{B3}\leqslant f_B$. The needed torque of service machine multiply the service factor（$f_{B1}\times f_{B2}\times f_{B3}$）should less than or equale to gear units' permissible torque.

即$M_a\geqslant M_d\times f_{B1}\times f_{B2}\times f_{B3}$

f_{B1}–工作机系数（见表1） f_{B1}-driven machine factor(see table 1)

f_{B2}–原动机系数（见表2） f_{B2}-prime mover factor (see table 2)

f_{B3}–起动系数（见表3） f_{B3}-starting factor(see table 3)

M_d–工作机所需转矩 M_d-the needed torque of driven machine

M_a–减速机许用转矩 M_a-gear units' permissible torque

表1 Table 1 工作机系数 Factor for driven machine f_{B1}

工作机 Driven machines			日工作小时数 The day work hours ≤0.5h	0.5-10h	>10h
污水处理 Waste water treatment	浓缩器（中心传动）	Thickeners (central drive)	-	-	1.2
	压滤器	Fitter presses	1.0	1.3	1.5
	絮凝器	Flocculation apparata	0.8	1.0	1.3
	曝气机	Aerators	-	1.8	2.0
	搂集设备	Raking equipment	1.0	1.2	1.3
	纵向、回转组合接集装置	Combined longitudinal and rotary rakes	1.0	1.3	1.5
	预浓缩器	Pre-thickeners	-	1.1	1.3
	螺杆泵	Screw pumps	-	1.3	1.5
	水轮机	Water turbines	-	-	2.0
	离心泵	Centrifugal pumps	1.0	1.2	1.3
	1个活塞容积式泵	1 piston positive-displacement pumps	1.3	1.4	1.8
	>1个活塞容积式泵	>1 piston positive displacement pumps	1.2	1.4	1.5
挖泥机 Dredgers	斗式运输机	Bucker conveyors	-	1.6	1.6
	倾卸装置	Dumping devices	-	1.3	1.5
	Carteypillar行走机构	Carterpillar travelling gears	1.2	1.6	1.8
	斗轮式挖掘机（用于捡拾）	Bucket wheel excavators as pick-up	-	1.7	1.7
	斗轮式挖掘机（用于粗料）	Bucket wheel excavators for primitive material	-	2.2	2.2
	切碎机	Cutter heads	-	2.2	2.2
	行走机构*	Traversing gears*		1.4	1.8
	弯板机*	Plate bending machines	-	1.0	1.0
化学工业 Chemical industry	挤压机	Extnuders	-	-	1.6
	调浆机	Dough mills	-	1.8	1.8
	橡胶砑光机	Rubber calenders	-	1.5	1.5
	冷却圆筒	Cooling drums	-	1.3	1.4
	混料机，用于均匀介	Mixers for uniform media	1.0	1.3	1.4
	混料机，用于非均匀介	Mixers for non-uniform media	1.4	1.6	1.7
	搅拌机，用于密度均匀介质	Agitators for media with uniform density	1.0	1.3	1.5
	搅拌机，用于非均匀介质	Agitators for media with non uniform density	1.2	1.4	1.6
	搅拌机，用于不均匀气体吸收	Agitators for media with non uniform gas absorption	1.4	1.6	1.8
	烘炉	Toasters	1.0	1.3	1.5
	离心机	Centrifuges	1.0	1.2	1.3
起重机械 Cranes	回转机构	Slewing gears	2.5	2.5	3.0
	俯仰机构	Luffing gears	2.5	2.5	3.0
	行走机构	Travelling gears	2.5	3.0	3.0
	提升机构	Hoisting gears	2.5	2.5	3.0
	转臂式起重机	Derricking jib cranes	2.5	2.5	3.0

工作机 Driven machines			日工作小时数 The day work hours ≤0.5h	0.5-10h	>10h
金属加工设备 Metal working mills	翻板机	Plate titers	1.0	1.0	1.2
	推钢机	Ingot pushers	1.0	1.2	1.2
	绕线机	Winding machines	-	1.6	1.6
	冷床横移架	Cooling bed transfer frames	-	1.5	1.5
	辊式矫直机	Roller straighteners	-	1.6	1.6
	辊道（连续式）	Roller tables continuous	-	1.5	1.5
	辊道（间歇式）	Roller tables intermittent	-	2.0	2.0
	可逆式轧管机	Roller tables Reversing tube mills	-	1.8	1.8
	剪切机（连续机）*	Shears continuous*	-	1.5	1.5
	剪切机（曲柄式）*	Shears crank type*	1.0	1.0	1.0
	连铸机驱动装置	Continuous casting drivers	-	1.4	1.4
	可逆式开坯机	Reversing blooming mills	-	2.5	2.5
	可逆式板坯轧机	Reversing slabbing mills	-	2.5	2.5
	可逆式线材轧机	Reversing wire mills	-	1.8	1.8
	可逆式薄板轧机	Reversing sheet mills	-	2.0	2.0
	可逆式中厚板轧机	Reversing plate mills	-	1.8	1.8
	辊缝调节驱动装置	Roll adjustment drives	0.9	1.0	-
输送机械 Conveyors	斗式输送机	Bucket conveyors	-	1.2	1.5
	绞车	Hauling winches	1.4	1.6	1.6
	卷扬机	Hoists		1.5	1.8
	皮带输送机<150kw	Belt conveyors<150kw	1.0	1.2	1.3
	皮带输送机≥150kw	Belt conveyors≥150kw	1.1	1.3	1.5
	货用电梯*	Goods lifts*	-	1.2	1.5
	客用电梯*	Passenger lifts*		1.5	1.8
	刮板式输送机	Apron conveyors	-	1.2	1.5
	自动扶梯	Escalators		1.2	1.4
	轨道 行走机构	Rail travelling gears	-	1.5	-
	变频装置	Frequency converters	-	1.8	2.0
	往复式压缩机	Reciprocating compressors	-	1.8	1.9
冷却塔 Cooling towers	冷却塔风扇	Cooling tower fans	-	-	2.0
	风机（轴流和离心式）	Blowers(axial and radial)	-	1.4	1.5
蔗糖生产 Cane sugar production	甘蔗切碎机*	Cane knives*	-	-	1.7
	甘蔗碾磨机	Cane mills	-	-	1.7
甜菜糖生产 Beet sugar production	甜菜绞碎机	Beet cossettes macerators	-	-	1.2
	榨取机，机械致冷机，蒸煮机	Extraction plants, Mechanical refrigerators, Juice boilers	-	-	1.4
	甜菜清洗机	Sugar beet washing machines	-	-	1.5
	甜菜切碎机	Sugar beet cutters	-	-	1.5
造纸机械 Paper machines	各种类型**	Of all-kind**	-	1.8	2.0
	碎浆机驱动装置	Pulper drives	2.0	2.0	2.0
	离心式压缩机	Centrifugal compressors	-	1.4	1.5
索道缆车 Cableways	运货索道	Material ropeways	-	1.3	1.4
	往返系统空中索道	To-and fro system aerial ropeways	-	1.6	1.8
	T型杆升降机	T-barlifts	-	1.3	1.4
	连续索道	Continuous ropeways	-	1.4	1.6
水泥工业 Cement industry	混凝土搅拌器	Concrete mixers	-	1.5	1.5
	破碎机*	Breakers*	-	1.2	1.4
	回转窑	Rotary kilns	-	-	2.0
	管式磨机	Tube mills	-	-	2.0
	选扮机	Separators	-	1.6	1.6
	辊压机	Roll crushers	-	-	2.0

表2 Table 2 原动机系数 Factor for prime mover f_{B2}

电机，液压马达，汽轮机 Electric motos, hydraulic motors, turbines	1.0
4–6缸活塞发动机 Piston engines 4-6 cylinders	1.25
1–3缸活塞发动机 Piston engines 1-3 cylinders	1.5

表3 Table 3 起动系数 Start factor f_{B3}

启停次数/每小时 Number of starts and stop/hour	
<10	1
10<f_{B3}<100	1.15
100<f_{B3}<500	1.25

4.5 径向和轴向负载
4.5 Overhung and axial loads

径向负载
Determining overhung load

确定径向负载时,要考虑安装在轴端传动部件的影响，传动部件系数f_z列于表：
When determining the overhung load,the type of transmission element mounted on the shaft end must be comsiderde.The transmission element factors f_z are listed as follows:

传动部件 Transmission element	传动部件系数f_z Transmission element factor f_z	备注 Comments
齿轮 Gears	1.15	>17齿 >17 teeth
链轮 Chain sprockets	1.40	>13齿 >13 teeth
链轮 Chain sprockets	1.25	>20齿 >20 teeth
窄V型带 Narrow V-belt pulleys	1.75	预应力影响 Pre-tensioning influence
宽平皮带Flat belt pulleys	2.50	预应力影响 Pre-tensioning influence
齿型皮带Toothed belt pulleys	2.5	预应力影响 Pre-tensioning influence

作用在电机或减速机轴伸上的径向力按下式计算:
The overhung load exerted on the motor or geat shaft is the calculated as follows:

$$F_R = \frac{M_d \cdot 2000}{d_o} \cdot f_z$$

F_R	径向载荷（N）	F_R	Overhung load in N
M_d	力矩（N.M）	M_d	Torque in Nm
d_o	节圆直径（MM）	d_o	Mean diameter of the mounted transmission elsment in mm
f_z	传动部件系数	f_z	Transmission element factor

许用的径向载荷
Permitted overhung load

根据耐磨轴承额定寿命L_{H10}来确定许用径向载荷。

对于特殊的运行条件，许用径向载荷根据所要求的修正寿命L_{na}来确定。

对于地脚安装实心轴输出的减速机许用径向载荷列于减速电机的选型表中。对于其他安装形式可与厂方联系。

According the rate service life L_{H10} of the anti – friction bearings to definethe permitted overhung loads.
For the special operating conditions, the permitted overhung loads can be determined by the modified service life L_{na}.
The permitted overhung loads F_{Ra} for the output shafts of foot – mounted gear units with a sold shaft are listed in the selection tables for geared motors. Please contact in cass of other types.

选型表中的径向力数值按照力作用于轴伸的中点（斜齿轮-伞齿轮减速机按照A端输出轴考虑）。

径向力作用角度α和旋转方向已经按最不利的条件给予考虑。

The data refer to the rodial force acting midway on the shaft end(with right-angle gear units on the A-side Output).Worst case conditions have been asumede fot the force applicationangle α and the direction of rotation.

・对于 K和S 系列减速机,M1安装位置前面与安装固定面连接时，许用径向载荷只是选型表中F_{Ra}数值的50%。

・地脚/法兰安装斜齿轮减速电机(R..F):当通过法兰安装传递力矩时，许用径向载荷最大为选型表中F_{Ra}的50%。

-Only 50% of the F_{Ra} value specified in the selection tables is permitted in mounting position M1 with wall attachment on the front face for K and S gear units.

-Foot and flange-mounted helical geared motors(R..F): A maximum of 50% of the overhung load F_{ra} specified in the selection tables in the case of torque transmission via the flange mounting. When the torque transmission via the flange mounting the overhung load F_{ra} will only be 50% compared with the F_{ra} asted the selection tables.

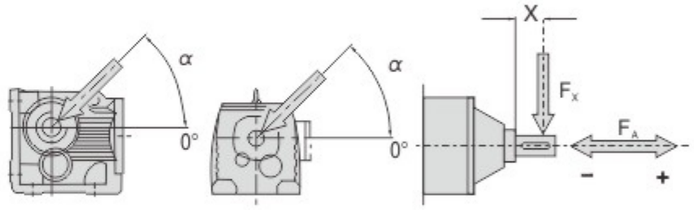
更高的许用径向载荷
Higher approved overhung loads

对于R、F和K 系列减速电机,安装重载轴承可提高许用径向载荷.另外,精确考虑旋转方向和力作用角α，也可提高许用径向载荷，在此情况下，请和厂方联系。

It possible to achieve a higher overhung load by exactly considering the force application angle α and the direction of rotation. In addition, higger output shaft loads are permitted if heavy duty bearings are installed, especially with R, Fand K gear units. Please contace in this case.

所受力的定义
Definition of force application

所受力根据下图来定义
Force application is defined according to the following diagram:



F_X= 在X点的许用径向载荷(N)
F_A= 许用轴向载荷(N)

F_X= Approved overhung load at point X [N]
F_A= Approved axial load [N]

许用轴向载荷
Approved axiall loads

如果没有径向载荷，那么轴向载荷FA（+表示拉力，-表示压紧力）依据表中径向符合的50%给定是允许的，这适用于:

If there is no over hung load.then an axial load FA(tension or compression)amountion to50%o the overhung load given in the selection tables is approved. This applies to the following geared motors:

- 平行轴斜齿轮减速机与斜齿轮-伞齿轮（实心轴）减速机（F97...除外）
- 实心轴斜齿轮蜗轮杆减速机

– Parallel shaft and helical – bevel geared motors with solid shaft except for F97...
– Helical – worm geared motors with solid shaft

对于其他类型的减速机请与厂方咨询，以防过大的轴向载荷或轴向及径向的合成力。

Please contact for all other types of gear units and in the ecent of significantly greater axial loads or combinations of overhung load and axial load.

偏离中心点的径向力
Overhung load conversion for off–center force application

对于受力点不在轴端中点的允许径向载荷要根据下面的公式计算。F_{XL}和F_{XW}中的较小值是在X点允许数值，

所计算的数值应用于M_{amax}

The approved overhung loads given in the selection tables must be calculated using the following form–ulae in the event of force application not in the center of tne shaft e–nd. The smaller of the two values F_{XL} (according to bearing service life)and F_{XW}(according to shaft strength)is the approved value for the overhung load at point x. Nore that the calculation apply to $M_{a\,max}$.

根据轴承寿命F_{XL}

F_{XL} acc. to bearing service life

$$F_{XL} = F_{Ra} \cdot \frac{a}{b+x} \text{ [N]}$$

根据输出轴强度F_{xw}

F_{xw} from the shaft strength

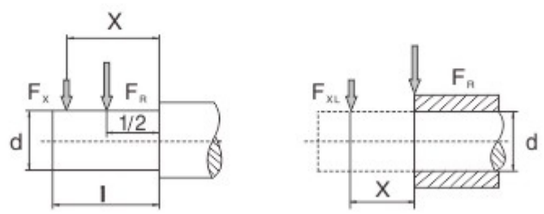
$$F_{xW} = \frac{c}{f+x} \text{ [N]}$$

F_{Ra} = 对于底脚安装齿轮箱的允许径向载荷（选型表中所列值）单位：N
Approved overhung load(x=1/2)for foot – mounted gear units according to the selection tables in[N]

X = 从轴肩到受力点的距离
Distance from the shaft shoulder to the force application point in[mm]

a,b,f = 对于径向负载转化的齿轮箱常量
Gear unit constants for overhung load conversion[mm]

c = 对于径向负载转化的齿轮箱常量
Gear unit constants for overhung load conversion[Nmm]



图：偏离中心点的径向力F_x
Fig: Overhung load F_x for off–center force application

据径向负载/转化所得的/齿轮箱常量
Gear unit constants for overhung load conversion

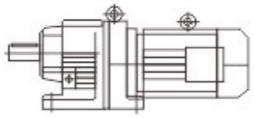
齿轮箱常量 Gear unit type	a [mm]	b [mm]	c [Nmm]	f [mm]	d [mm]	l [mm]
R37	118	93	$1.24 \cdot 10^5$	0	25	50
R47	137	107	$2.44 \cdot 10^5$	15	20	60
R57	147.5	112.5	$3.77 \cdot 10^5$	18	35	70
R67	168.5	133.5	$2.51 \cdot 10^5$	0	35	70
R77	173.7	133.7	$3.97 \cdot 10^5$	0	40	80
R87	216.7	166.7	$8.47 \cdot 10^5$	0	50	100
R97	255.5	195.5	$1.19 \cdot 10^6$	0	60	120
R107	285.5	215.5	$2.06 \cdot 10^6$	0	70	140
F37	123.5	98.5	$1.07 \cdot 10^5$	0	25	50
F47	153.5	123.5	$1.78 \cdot 10^5$	0	30	60
F57	170.7	135.7	$5.49 \cdot 10^5$	32	35	70
F67	181.3	141.3	$4.12 \cdot 10^5$	0	40	80
F77	215.8	165.8	$7.87 \cdot 10^5$	0	50	100
F87	263	203	$1.19 \cdot 10^6$	0	60	120
F97	350	280	$2.09 \cdot 10^6$	0	70	140
F107	373.5	288.5	$4.23 \cdot 10^6$	0	90	170
K37	123.5	98.5	$1.41 \cdot 10^5$	0	25	50
K47	153.5	123.5	$1.78 \cdot 10^5$	0	30	60
K57	169.7	134.7	$6.8 \cdot 10^5$	31	35	70
K67	181.3	141.3	$4.12 \cdot 10^5$	0	40	80
K77	215.8	165.8	$7.69 \cdot 10^5$	0	50	100
K87	252	192	$1.64 \cdot 10^6$	0	60	120
K97	319	249	$2.8 \cdot 10^6$	0	70	140
K107	373.5	288.5	$5.53 \cdot 10^6$	0	90	170
S37	118.5	98.5	$6.0 \cdot 10^4$	0	20	40
S47	130	105	$1.33 \cdot 10^5$	0	25	50
S57	150	120	$2.14 \cdot 10^5$	0	30	60
S67	184	149	$3.04 \cdot 10^5$	0	35	70
S77	224	179	$5.26 \cdot 10^5$	0	45	90
S87	281.5	221.5	$1.68 \cdot 10^6$	0	60	120
S97	326.3	256.3	$2.54 \cdot 10^6$	0	70	140

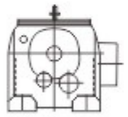
对于没有列出的类型的值据需要给定。
Values for types not listed are available on request.

5.R 斜齿轮减速机
R Helical Geared Motors

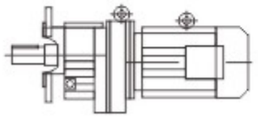
5.1 设计方案
5.1 Versions of geared motors

斜齿轮减速电机有以下设计方案：
The following types of helical-bevel motor can be plied:





R..D..
底脚安装斜齿轮减速电机
Foot-mounted helical geared motor



RF..D..
法兰安装斜齿轮减速电机
Flange – mounted helical geared motor

5.2 可行的组合方式
Type of Combination

以下是斜齿轮减速机与交流（带制动）电机的组合列表。表中给出了每种组合的速比范围：
The following types of helical-bevel motor can be supplied:

减速机型号 Gear nuit size	级 Stages	D63/D71	D80	D90	D100	D112	D132S	D132M
R/RF37	2	3.41-28.32	3.41-22.27	3.41-19.31	3.41-15.60			
R/RF37	3	24.42-134.82	24.42-105.28	24.42-48.08 61.18-90.77	24.42-32.40 39.17 61.18 73.96			
R/RF47	2	4.85-7.76 10.15-33.79	3.38-26.74	3.38-23.26	3.83-16.22 19.27	3.83-16.22	3.83-6.00 8.01-12.54	3.83-6.00 8.01-12.54
R/RF47	3	29.88-176.88	23.59-139.99	23.59-121.87	23.59-47.75 56-73 76.23-84.90 100.86	23.59-47.75		23.59-36.93
R/RF57	2	6.41-9.06 11.88-26.31	5.05-26.31	4.39-26.31	4.39-21.93	4.39-18.60	4.39-7.97 9.35-14.77	4.39-7.97 9.35-14.77
R/RF57	3	30.18-186.89	26.97-147.92	26.97-128.77	26.97-48.23 57.29 80.55-89.71 106.58	26.97-48.23 80.55-89.71	26.97-37.30	26.97-37.30
R/RF67	2	6.27-7.79 12.70-28.13	4.93-7.79 10.00-28.13	4.93-28.13	4.29-23.44	4.29-19.89	4.29-15.79	4.29-15.79

续 表

减速机型号 Gear nuit size	级 Stages	D63/D71	D80	D90	D100	D112	D132S	D132M
R/RF67	3	32.27-199.81	28.83-158.14	28.83-137.67	28.83-51.56 61.26-95.91 113.94	28.83-51.56 69.75-95.91	28.83-39.88 69.75-74.17	28.83-39.88 69.75-74.17
R/RF77	2	8.59 15.60-23.37	6.79-8.59 12.33-23.37	5.31-23.37	5.31-23.37	5.31-23.37	5.31-18.80	5.31-18.80
R/RF77	3	36.83-195.24	29.00-166.59	25.23-145.67	25.23-121.42	25.23-102.99	25.23-45.81 65.77-81.80	25.23-45.81 65.77-81.80
R/RF87	2		19.10-34.40	7.13-9.14 13.33-34.40	5.30-34.40	5.30-34.40	5.30-27.84	5.30-27.84
R/RF87	3		41.74-246.54	27.88-216.54	27.88-181.77	27.88-155.34	27.88-63.68 81.92-124.97	27.88-63.68 81.92-124.97
R/RF97	2		22.37-32.05	9.29 16.17-32.05	7.12-9.26 12.39-32.05	7.12-9.29 12.39-32.05	4.50-32.05	4.50-32.05
R/RF97	3		53.21-65.21 103.44-289.74	37.13-255.71	27.58-216.28	27.58-150.78	27.58-150.78	27.58-150.78
R/RF107	2				15.65-30.77	5.82-7.86 10.13-30.77	5.82-7.86 10.13-30.77	5.82-7.86 10.13-30.77
R/RF107	3					40.37-251.15	29.49-203.16	29.49-203.16

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180
R/RF77	2	5.31-7.74 9.64-14.05	5.31-7.74 9.64-14.05		
R/RF77	3	25.31-7.74	25.31-7.74	25.31-7.74	
R/RF87	2	5.30-21.51	5.30-21.51	5.30-21.51	5.30-17.08
R/RF87	3	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-36.84
R/RF97	2	4.50-25.03	4.50-25.03	4.50-25.03	4.50-20.14
R/RF97	3	27.85-59.92 72.17-116.48	27.85-59.92 72.17-116.48	27.85-59.92 72.17-116.48	27.58-47.58 72.17-92.48
R/RF107	2	4.92-30.77	4.92-30.77	4.92-30.77	4.92-24.90
R/RF107	3	29.49-158.68	29.49-158.68	29.49-158.68	29.49-65.60 78.57-127.68

5.3速比与最大扭矩
5.3 Ratio and max torgue

R37–57　n_a=1400 r/min

R37 200Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
134.82	10	200	4950	AD1
123.66	11	200	4950	
105.28	13	200	4950	
90.77	15	200	4950	
84.61	17	200	4950	
73.96	19	200	4950	
69.33	20	200	4950	
61.18	23	200	4950	
55.76	25	200	4950	
48.08	29	200	4950	AD2
44.81	31	200	4950	
39.17	36	200	4760	
36.72	38	200	4540	
32.40	43	200	4120	
28.73	49	200	3740	
24.43	57	200	3240	
2–stage				
28.32	49	200	3690	AD2
26.03	54	185	3860	
22.27	63	200	2970	
19.31	73	200	2570	
18.05	78	200	2390	
15.60	90	200	2010	
13.25	106	190	1880	
11.83	118	183	1810	
10.11	138	170	1820	
9.47	148	167	1760	
7.97	176	156	1720	
6.67	210	144	1000	
5.67	247	142	760	
5.06	277	135	790	
4.32	324	126	820	
4.05	346	122	850	
3.41	411	112	900	

R47 300Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
176.88	7.9	300	5420	AD2
162.94	8.6	300	5420	
139.99	10	300	5420	
121.87	11	300	5420	
114.17	12	300	5420	
100.86	14	300	5420	
93.68	15	300	5420	
84.90	16	300	5420	
76.23	18	300	5420	
68.54	20	300	5420	
64.21	22	300	5420	
56.73	25	300	5420	
52.69	27	300	5420	
47.75	29	300	5150	
42.87	33	300	4930	
36.93	38	300	4630	
34.73	40	300	4520	
29.88	47	300	4240	
26.70	52	300	4050	
23.59	59	300	3840	
2–stage				
33.79	41	240	4690	AD2
31.13	45	220	4610	
26.74	52	300	4050	
23.28	60	300	3820	
21.81	64	300	3710	
19.27	73	295	3530	
17.89	78	290	3390	
16.22	86	275	3350	
14.56	96	265	3230	
12.54	112	250	3080	
11.79	119	245	3020	
10.15	138	230	2890	
9.07	154	220	2780	
8.01	175	205	2690	
7.76	180	163	2720	
6.96	201	159	2620	
6.00	233	156	2740	
5.64	248	155	2410	
4.85	289	150	2280	
4.34	323	146	2190	
3.83	366	144	2090	AD3

R57 450Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
186.89	7.5	450	7110	AD2
172.17	8.1	450	7110	
147.92	9.5	450	7110	
128.77	11	450	7110	
120.63	12	450	7110	
106.58	13	450	7110	
98.99	14	450	7110	
89.71	16	450	7110	
80.55	17	450	7110	
69.23	20	450	7110	
64.85	22	450	6980	
57.29	24	450	6630	
53.22	26	450	6430	
48.23	29	450	6170	
43.30	32	450	5900	
37.30	38	450	5530	
35.07	40	450	5390	
30.18	46	450	5050	
26.97	52	450	4800	
2–stage				
26.31	53	450	4750	AD2
24.99	56	450	4640	
21.93	64	450	4370	
18.60	75	450	4050	
16.79	83	450	3860	
14.77	95	435	3690	
13.95	100	430	3610	AD3
11.88	118	405	3430	
10.79	130	390	3330	
9.35	150	370	3180	
9.06	155	375	2010	
7.97	176	355	2020	
7.53	186	350	1950	
6.41	218	335	1770	
5.82	241	320	1820	
5.05	277	305	1730	
4.39	319	280	1900	

R67–87　n_a=1400 r/min

R67 600Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
199.81	7.0	600	7170	AD2
184.07	7.6	600	7170	
158.14	8.9	600	7170	
138.67	10	600	7170	
128.97	11	600	7170	
113.94	12	600	7170	
105.83	13	600	7170	
95.91	15	600	7170	
86.11	16	600	7170	
74.17	19	600	7170	
69.75	20	600	7170	
61.26	23	600	7170	
56.89	25	600	7170	
51.56	27	600	7170	
46.29	30	600	7170	
39.88	35	580	7410	
37.50	37	570	7530	
32.27	43	540	7850	
28.83	49	520	8050	
2–stage				
28.13	50	540	7850	AD2
26.72	53	540	7850	
23.44	60	560	7640	
19.89	70	600	7170	AD3
17.95	78	590	7290	
15.79	89	560	7130	
14.91	94	550	6980	
12.70	110	520	6650	
11.54	121	500	6500	
10.00	140	470	6220	
8.70	161	440	5960	
7.79	180	380	5830	
7.36	190	370	5790	
6.27	223	330	5590	
5.70	246	310	5450	
4.93	284	290	5210	
4.29	326	270	5000	

R77 820Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
195.24	7.2	820	9920	AD2
166.59	8.4	820	9920	
145.67	9.6	820	9920	
138.39	10	820	9920	
121.42	12	820	9920	
102.99	14	820	9920	
92.97	15	820	9920	
81.80	17	820	9920	
77.24	18	820	9920	
65.77	21	820	9920	
57.68	24	820	9920	
52.07	27	820	9920	
45.81	31	820	9920	
43.26	32	820	9920	
36.83	38	820	9920	
33.47	42	820	9920	
29.00	48	820	9920	
25.23	55	780	10100	
2–stage				
23.37	60	820	8870	AD3
21.43	65	820	8250	
18.80	74	780	7980	
17.82	79	780	7620	
15.60	90	740	7390	
14.05	100	720	7050	
12.33	114	690	6740	
10.88	129	660	6490	
9.64	145	630	6300	
8.59	163	630	4110	AD4
7.74	181	610	3940	
6.79	206	580	3850	
5.99	234	540	3990	
5.31	264	510	3990	

R87 1550Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
246.54	5.7	1550	16900	AD2
216.54	6.5	1550	16900	
205.71	6.8	1550	16900	
181.77	7.7	1550	16900	
155.34	9.0	1550	16900	
142.41	9.8	1550	16900	
124.97	11	1550	16900	
118.43	12	1550	16900	
103.65	14	1550	16900	
93.38	15	1550	16900	
81.92	17	1550	16900	
72.57	19	1550	16900	
63.68	22	1550	15800	
60.35	23	1550	15200	
52.82	27	1550	13500	
47.58	29	1550	16900	
41.74	34	1550	16900	AD3
36.84	38	1550	16800	
32.66	43	1550	16000	
27.88	50	1550	15100	
2–stage				
34.40	41	1550	9480	AD3
31.40	45	1550	7820	
27.80	50	1550	15000	AD4
23.40	60	1550	13900	
21.51	65	1550	13600	
19.10	73	1440	13000	
17.08	82	1390	12600	
15.35	91	1340	12100	
13.33	105	1280	11600	
11.93	117	1230	11200	
9.90	141	1180	10400	
9.14	153	1210	10500	AD5
8.22	170	1160	10200	
7.13	196	1070	9780	
6.39	218	1020	9450	
5.30	254	910	8980	

R97–107 n_a=1400 r/min

R97 3000Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
289.74	4.8	3000	19800	
255.71	5.5	3000	19800	
241.25	5.8	3000	19800	
216.28	6.5	3000	19800	
186.30	7.5	3000	19800	
170.02	8.2	3000	19800	
150.78	9.3	3000	19800	
126.75	11	3000	19800	AD3
116.48	12	3000	19800	
103.44	14	3000	19800	
92.48	15	3000	19800	
83.15	17	3000	19800	
72.17	19	3000	19800	
65.21	21	3000	19800	
59.92	23	3000	19800	
53.21	26	3000	19800	
47.58	29	3000	19800	
42.78	33	3000	19800	
37.13	38	3000	18600	AD4
33.25	42	2890	17900	
27.58	51	2670	16900	
2–stage				
32.05	44	2560	10600	AD4
27.19	51	2560	8380	
25.03	56	2830	15900	
22.37	63	2720	15300	
20.14	70	2610	14800	
18.24	77	2500	14400	
16.17	87	2400	13800	
14.62	96	2300	13400	AD5
12.39	113	2190	12700	
10.83	129	2090	12100	
9.29	151	2030	12200	
8.39	167	2030	11700	
7.12	197	2000	10900	
6.21	225	1890	10500	
5.20	269	1780	9850	AD6
4.50	311	1630	9500	

R107 4300Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
251.15	5.6	4300	29500	
229.95	6.1	4300	29500	
203.16	6.9	4300	29500	
172.34	8.1	4300	29500	
158.68	8.8	4300	29500	
141.83	9.9	4300	29500	AD3
127.68	10	4300	29500	
115.63	12	4300	29500	
102.53	14	4300	29500	
92.70	15	4300	29500	
78.57	18	4300	29500	
72.88	19	4300	29500	
65.60	21	4300	29200	
59.41	24	4300	28000	
52.68	27	4300	26600	
47.63	29	4300	25500	AD4
40.37	35	4300	23800	
35.26	46	4300	22400	
29.49	47	4300	20700	
2–stage				
30.77	45	4300	21100	
27.58	51	4300	20100	
24.90	56	4300	19200	
22.62	62	4300	18300	AD4
20.07	70	4300	17300	
18.21	77	4300	16600	
15.65	89	4300	15400	
13.66	102	4300	14400	
11.59	121	4300	13300	
10.13	138	4300	12400	AD5
8.56	164	4300	11300	
7.86	178	2970	13800	
6.66	210	2970	12800	
5.82	241	2970	12100	
4.92	285	2900	11300	

R47R37 n_a=1400 r/min

R47R37 300Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
13598	0.10	300	5420
12472	0.11	300	5420
10619	0.13	300	5420
9155	0.15	300	5420
8534	0.16	300	5420
7460	0.19	300	5420
6993	0.20	300	5420
6171	0.23	300	5420
5624	0.25	300	5420
4849	0.29	300	5420
4520	0.31	300	5420
3951	0.35	300	5420
3704	0.38	300	5420
3268	0.43	300	5420
2898	0.48	300	5420
2856	0.49	300	5420
2625	0.53	300	5420
2598	0.54	300	5420
2463	0.57	300	5420
2383	0.59	300	5420
2246	0.62	300	5420
2029	0.69	300	5420
1948	0.72	300	5420
1821	0.77	300	5420
1749	0.80	300	5420
1630	0.86	300	5420
1573	0.89	300	5420
1425	0.98	300	5420
1336	1.0	300	5420
1193	1.2	300	5420
1179	1.2	300	5420
1074	1.3	300	5420
1020	1.4	300	5420
955	1.5	300	5420
927	1.5	300	5420
963	1.6	300	5420
904	1.7	300	5420
755	1.9	300	5420
708	2.0	300	5420
673	2.1	300	5420
624	2.2	300	5420
572	2.4	300	5420
554	2.5	300	5420
546	2.6	300	5420
510	2.7	300	5420
502	2.8	300	5420
471	3.0	300	5420
436	3.2	300	5420
429	3.3	300	5420
408	3.4	300	5420
372	3.8	300	5420
348	4.0	300	5420
344	4.1	300	5420
301	4.7	300	5420
255	5.5	300	5420
228	6.1	300	5420
195	7.2	300	5420
182	7.7	300	5420
154	9.1	300	5420
129	11	300	5420
109	13	300	5420
98	14	300	5420

R57/67/77R37 n_a=1400 r/min

R57R37 450Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
14369	0.10	450	7110
12095	0.12	450	7110
10860	0.13	450	7110
9445	0.15	450	7110
8480	0.17	450	7110
7312	0.19	450	7110
6521	0.21	450	7110
5585	0.25	450	7110
4928	0.28	450	7110
4378	0.32	450	7110
3873	0.36	450	7110
3344	0.42	450	7110
2957	0.47	450	7110
2907	0.48	450	7110
2567	0.55	450	7110
2508	0.56	450	7110
2309	0.61	450	7110
2244	0.62	450	7110
1991	0.70	450	7110
1967	0.71	450	7110
1768	0.79	450	7110
1732	0.81	450	7110
1555	0.90	450	7110
1520	0.92	450	7110
1399	1.0	450	7110
1342	1.0	450	7110
1189	1.2	450	7110
1164	1.2	450	7110
1034	1.4	450	7110
1027	1.4	450	7110
894	1.6	450	7110
805	1.7	450	7110
782	1.8	450	7110
683	2.0	450	7110
678	2.1	450	7110
604	2.3	450	7110
603	2.3	450	7110
537	2.6	450	7110
534	2.6	450	7110
471	3.0	450	7110
454	3.1	450	7110
410	3.4	450	7110
359	3.9	450	7110
357	3.9	450	7110
324	4.3	450	7110
319	4.4	450	7110
290	4.8	450	7110
273	5.1	450	7110
262	5.3	450	7110
246	5.7	450	7110
241	5.8	450	7110
220	6.4	450	7110
215	6.5	450	7110
188	7.4	450	7110
187	7.5	450	7110
164	8.5	450	7110
159	8.8	450	7110
146	9.6	450	7110
142	9.9	450	7110
134	10	450	7110

R67R37 600Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
15361	0.09	600	7170
12931	0.11	600	7170
11996	0.12	600	7170
10097	0.14	600	7170
9066	0.15	600	7170
7816	0.18	600	7170
6732	0.21	600	7170
5970	0.23	600	7170
5268	0.27	600	7170
4680	0.30	600	7170
4136	0.34	600	7170
3566	0.39	600	7170
3125	0.45	600	7170
2745	0.51	600	7170
2682	0.52	600	7170
2460	0.57	600	7170
2403	0.58	600	7170
2136	0.66	600	7170
2094	0.67	600	7170
1852	0.76	600	7170
1805	0.78	600	7170
1652	0.85	600	7170
1629	0.86	600	7170
1471	0.95	600	7170
1432	0.98	600	7170
1379	1.0	600	7170
1259	1.1	600	7170
1109	1.3	600	7170
1106	1.3	600	7170
956	1.5	600	7170
891	1.6	600	7170
836	1.7	600	7170
750	1.9	600	7170
730	1.9	600	7170
646	2.2	600	7170
644	2.2	600	7170
574	2.4	600	7170
571	2.5	600	7170
495	2.8	600	7170
486	2.9	600	7170
443	3.2	600	7170
438	3.2	600	7170
388	3.6	600	7170
384	3.6	600	7170
359	3.9	600	7170
344	4.1	600	7170
310	4.5	600	7170
294	4.8	600	7170
264	5.3	600	7170
261	5.4	600	7170
235	6.0	600	7170
234	6.0	600	7170
201	7.0	600	7170
200	7.0	600	7170
181	7.7	600	7170
181	7.7	600	7170
176	8.0	600	7170
189	8.8	600	7170
158	8.9	600	7170

R77R37 820Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
16370	0.09	820	9920
15015	0.09	820	9920
13885	0.10	820	9920
12783	0.11	820	9920
11021	0.13	820	9920
9788	0.14	820	9920
8714	0.16	820	9920
7617	0.18	820	9920
6770	0.21	820	9920
5838	0.24	820	9920
5184	0.27	820	9920
4470	0.31	820	9920
3999	0.35	820	9920
3488	0.40	820	9920
3151	0.44	820	9920
3053	0.46	820	9920
2890	0.48	820	9920
2671	0.52	820	9920
2460	0.57	820	9920
2345	0.60	820	9920
2121	0.66	820	9920
2070	0.68	820	9920
1977	0.71	820	9920
1822	0.77	820	9920
1728	0.81	820	9920
1620	0.86	820	9920
1580	0.89	820	9920
1430	0.98	820	9920
1394	1.0	820	9920
1303	1.1	820	9920
1218	1.1	820	9920
1124	1.2	820	9920
1084	1.3	820	9920
1047	1.3	820	9920
940	1.5	820	9920
915	1.5	820	9920
858	1.6	820	9920
821	1.7	820	9920
757	1.8	820	9920
731	1.9	820	9920
671	2.1	820	9920
646	2.1	820	9920
571	2.5	820	9920
560	2.6	820	9920
520	2.7	820	9920
488	2.9	820	9920
451	3.1	820	9920
436	3.2	820	9920
522	3.3	820	9920
373	3.8	820	9920
365	3.8	820	9920
327	4.3	820	9920
310	4.5	820	9920
289	4.8	820	9920
276	5.1	820	9920
260	5.4	820	9920
236	5.9	820	9920
224	6.2	820	9920
221	6.3	820	9920
197	7.1	820	9920
186	7.5	820	9920
169	8.3	820	9920
149	9.4	820	9920

R87/97R57,R107R77　　n_a=1400 r/min

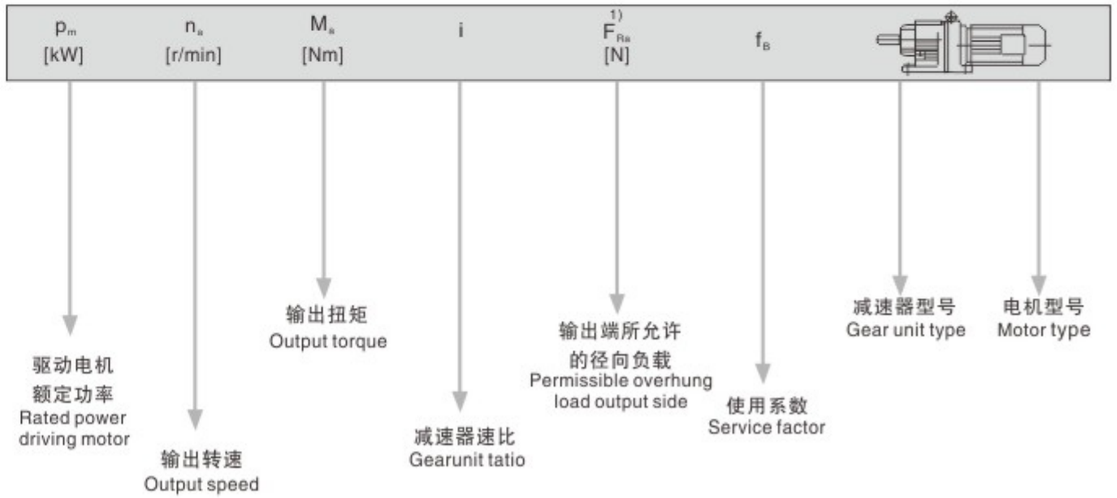
R87R57			1550Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
17452	0.08	1550	16900
15310	0.09	1550	16900
13813	0.10	1550	16900
12025	0.12	1550	16900
10549	0.13	1550	16900
9244	0.15	1550	16900
8109	0.17	1550	16900
7038	0.20	1550	16900
6174	0.23	1550	16900
5449	0.26	1550	16900
4831	0.29	1550	16900
4206	0.33	1550	16900
4020	0.35	1550	16900
3744	0.37	1550	16900
3703	0.38	1550	16900
3233	0.43	1550	16900
3182	0.44	1550	16900
2873	0.49	1550	16900
2770	0.51	1550	16900
2595	0.54	1550	16900
2518	0.56	1550	16900
2209	0.63	1550	16900
2129	0.66	1550	16900
1961	0.71	1550	16900
1930	0.73	1550	16900
1737	0.81	1550	16900
1733	0.81	1550	16900
1524	0.92	1550	16900
1489	0.94	1550	16900
1395	1.0	1550	16900
1303	1.1	1550	16900
1232	1.1	1550	16900
1145	1.2	1550	16900
1143	1.2	1550	16900
1037	1.4	1550	16900
1008	1.4	1550	16900
994	1.4	1550	16900
931	1.5	1550	16900
885	1.6	1550	16900
881	1.6	1550	16900
802	1.7	1550	16900
776	1.8	1550	16900
754	1.9	1550	16900
685	2.0	1550	16900
649	2.2	1550	16900
599	2.3	1550	16900
580	2.4	1550	16900
538	2.6	1550	16900
525	2.7	1550	16900
472	3.0	1550	16900
456	3.1	1550	16900
400	3.5	1550	16900
398	3.5	1550	16900
361	3.9	1550	16900
352	4.0	1550	16900
305	4.6	1550	16900
300	4.7	1550	16900
268	5.2	1550	16900
256	5.5	1550	16900
236	5.9	1550	16900
232	6.0	1550	16900
232	6.0	1550	16900
209	6.7	1550	16900
195	7.2	1550	16900

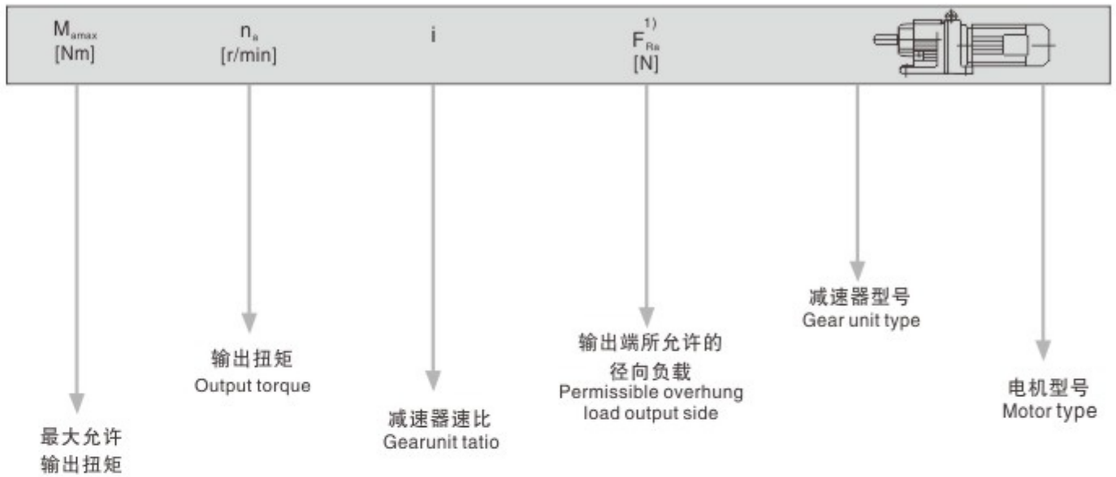
R97R57			3000Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
21769	0.06	3000	19800
19332	0.07	3000	19800
17230	0.08	3000	19800
14999	0.09	3000	19800
13320	0.11	3000	19800
11156	0.13	3000	19800
10030	0.14	3000	19800
8706	0.16	3000	19800
7692	0.18	3000	19800
6708	0.21	3000	19800
5931	0.24	3000	19800
5161	0.27	3000	19800
4678	0.30	3000	19800
4559	0.31	3000	19800
4309	0.32	3000	19800
4004	0.35	3000	19800
3702	0.38	3000	19800
3481	0.40	3000	19800
3065	0.46	3000	19800
3019	0.46	3000	19800
2722	0.51	3000	19800
2668	0.62	3000	19800
2311	0.61	3000	19800
2245	0.62	3000	19800
2078	0.67	3000	19800
2016	0.69	3000	19800
1823	0.77	3000	19800
1733	0.81	3000	19800
1623	0.86	3000	19800
1583	0.88	3000	19800
1434	0.98	3000	19800
1396	1.0	3000	19800
1228	1.1	3000	19800
1207	1.2	3000	19800
1084	1.3	3000	19800
1069	1.3	3000	19800
938	1.5	3000	19800
934	1.5	3000	19800
878	1.6	3000	19800
824	1.7	3000	19800
755	1.9	3000	19800
737	1.9	3000	19800
632	2.2	3000	19800
625	2.2	3000	19800
560	2.5	3000	19800
549	2.6	3000	19800
484	.9	3000	19800
466	3.0	3000	19800
431	3.2	3000	19800
420	3.3	3000	19800
379	3.7	3000	19800
370	3.8	3000	19800
349	4.0	3000	19800
336	4.2	3000	19800
297	4.7	3000	19800
296	4.7	3000	19800
270	5.2	3000	19800
249	5.6	3000	19800
234	6.0	3000	19800
227	6.2	3000	19800
209	6.7	3000	19800
249	5.6	3000	19800

R107R77			4300Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
20018	0.07	4300	29500
17080	0.08	4300	29500
14936	0.09	4300	29500
12829	0.11	4300	29500
11256	0.12	4300	29500
9547	0.15	4300	29500
8618	0.16	4300	29500
7583	0.18	4300	29500
6743	0.21	4300	29500
5914	0.24	4300	29500
5168	0.27	4300	29500
4435	0.32	4300	29500
3918	0.36	4300	29500
3898	0.36	4300	29500
3432	0.41	4300	29500
3343	0.42	4300	29500
3039	0.46	4300	29500
3034	0.46	4300	29500
2688	0.52	4300	29500
2653	0.53	4300	29500
2839	0.60	4300	29500
2280	0.61	4300	29500
2067	0.69	4300	29500
1987	0.70	4300	29500
1827	0.77	4300	29500
1693	0.83	4300	29500
1599	0.88	4300	29500
1550	0.90	4300	29500
1407	1.0	4300	29500
1400	1.0	4300	29500
1226	1.1	4300	29500
1209	1.2	4300	29500
1104	1.3	4300	29500
1055	1.3	4300	29500
939	1.5	4300	29500
919	1.5	4300	29500
822	1.7	4300	29500
815	1.7	4300	29500
717	2.0	4300	29500
626	2.2	4300	29500
614	2.3	4300	29500
544	2.6	4300	29500
528	2.7	4300	29500
492	2.8	4300	29500
469	3.0	4300	29500
426	3.3	4300	29500
417	3.4	4300	29500
377	3.7	4300	29500
369	3.8	4300	29500
325	4.3	4300	29500
323	4.3	4300	29500
285	4.9	4300	29500
284	4.9	4300	29500
256	5.5	4300	29500
253	5.5	4300	29500
220	6.4	4300	29500
214	6.5	4300	29500
193	7.3	4300	29500
187	7.5	4300	29500
172	8.1	4300	29500

5.4 选型表注释
5.4 Selection table

选型表的结构
Selection table for geared motors





图例 Cuttine

※也可用于EExe电机。 ※ EEXE motor is optional.

1) 实心轴底脚安装减速机的径向负荷

1) Overhung load specified for foot – mounted gear unit with solid shaft

注意：Notice:

对于特殊低输出转速驱动（多级减速电机），电机功率必须与减速机的最大允许输出扭矩相对应。
In drives for particularly low output speeds (multi – stage geared motore), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12kW						
0.18	4500	7583	28300	0.95		
0.20	3850	6743	31700	1.10		
0.23	3660	5914	32500	1.20	R	107 R77 D63S4
0.27	2950	5168	35100	1.45	RF	107 R77 D63S4
0.31	2600	4435	36000	1.65		
0.35	2310	3896	36400	1.85		
0.45	1880	3039	36900	2.3		
0.35	2670	3918	35900	1.60		
0.41	2240	3343	36500	1.90		
0.45	2030	3034	36700	2.1	R	107 R77 D63S4
0.52	1750	2653	37000	2.5	RF	107 R77 D63S4
0.61	1500	2280	37200	2.9		
0.67	1300	2067	37400	3.3		
0.30	2950	4559	21300	1.00	R	97 R57 D63S4
0.34	2500	4004	24100	1.20	RF	97 R57 D63S4
0.40	2200	3481	25500	1.35		
0.29	3240	4678	3970	0.90		
0.32	2970	4309	21000	1.00		
0.37	2510	3702	24000	1.20		
0.46	2010	3019	26400	1.50	R	97 R57 D63S4
0.52	1750	2668	27300	1.70	RF	97 R57 D63S4
0.61	1440	2245	27700	2.1		
0.68	1280	2016	27900	2.3		
0.80	1160	1733	28100	2.6		
0.45	2020	3065	26300	1.50		
0.51	1790	2722	27100	1.65		
0.60	1510	2311	27600	2.0		
0.66	1360	2078	27800	2.2	R	97 R57 D63S4
0.76	1170	1823	28100	2.6	RF	97 R57 D63S4
0.87	1020	1583	28200	3.0		
0.99	860	1396	28300	3.5		
1.1	740	1228	28400	4.1		
0.48	1740	2873	15500	0.90	R	87 R57 D63S4
0.70	1260	1961	18700	1.25	RF	87 R57 D63S4
0.50	1850	2770	10700	0.85		
0.53	1730	2595	15600	0.90		
0.65	1390	2129	18000	1.10	R	87 R57 D63S4
0.72	1240	1930	18800	1.25	RF	87 R57 D63S4
0.80	1100	1733	19400	1.40		
0.79	1090	1737	19500	1.40		
0.91	960	1524	20000	1.60		
1.1	775	1303	20000	2.0		
1.2	680	1143	20000	2.3	R	87 R57 D63S4
1.6	555	885	20000	2.8	RF	87 R57 D63S4
1.8	485	776	20000	3.2		
2.0	430	685	20000	3.6		
2.3	345	599	20000	4.5		
0.97	950	1430	8220	0.85		
1.1	900	1303	9080	0.90	R	77 R37 D63S4
1.2	770	1124	10400	1.05	RF	77 R37 D63S4
1.3	715	1047	10800	1.15		
1.5	615	915	11500	1.35		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12kW						
0.99	940	1394	8660	0.85		
1.1	785	1218	10200	1.05		
1.3	710	1084	10800	1.15	R	77 R37 D63S4
1.5	635	940	11400	1.30	RF	77 R37 D63S4
1.7	505	821	12000	1.60		
1.9	460	731	12300	1.80		
2.1	440	646	12300	1.85		
2.7	365	520	12600	2.3		
3.1	310	451	12800	2.6	R	77 R37 D63S4
3.3	290	422	12800	2.8	RF	77 R37 D63S4
3.8	245	365	12900	3.3		
1.4	655	956	5950	0.90		
1.5	605	891	7480	1.00		
1.9	490	730	8670	1.25	R	67 R37 D63S4
2.1	425	644	9150	1.40	RF	67 R37 D63S4
2.4	375	571	9490	1.60		
2.8	315	486	9820	1.90		
1.6	565	836	7980	1.05		
1.8	475	750	8790	1.25		
2.1	420	646	9190	1.40	R	67 R37 D63S4
2.4	380	574	9450	1.55	RF	67 R37 D63S4
2.8	330	495	9740	1.80		
3.2	275	438	9990	2.2		
1.8	525	782	5710	0.85		
2.0	440	678	7160	1.05		
2.3	395	604	7330	1.15	R	57 R37 D63S4
2.6	360	537	7460	1.25	RF	57 R37 D63S4
2.9	315	471	7590	1.45		
3.9	235	357	7790	1.95		
4.3	205	319	7840	2.2		
3.8	245	359	7760	1.80		
4.3	225	324	7810	2.0		
4.8	196	290	7860	2.3	R	57 R37 D63S4
5.3	177	262	7890	2.5	RF	57 R37 D63S4
5.6	164	246	7910	2.8		
6.3	144	220	7940	3.1		
2.4	375	572	2500	0.80		
2.7	330	510	5140	0.90	R	47 R37 D63S4
3.2	275	436	5540	1.10	RF	47 R37 D63S4
3.4	255	408	5630	1.15		
4.0	210	344	5810	1.40		
2.8	355	502	3780	0.85		
3.2	300	429	5430	1.00		
3.7	255	372	5640	1.15		
4.0	240	348	5710	1.25	R	47 R37 D63S4
4.6	205	301	5840	1.50	RF	47 R37 D63S4
5.4	169	255	5950	1.75		
6.1	150	228	6000	2.0		
7.1	125	195	6050	2.4		
4.6	250	195.24	12900	3.3	R	77 D63M6
5.4	210	166.59	13000	3.9	RF	77 D63M6
6.2	186	145.67	13000	4.4		
4.5	255	199.81	10100	2.4		
4.9	235	184.07	10100	2.6		
5.7	200	158.14	10300	3.0	R	67 D63M6
6.5	175	137.67	10300	3.4	RF	67 D63M6
7.0	164	128.97	10400	3.7		
7.9	145	113.94	10400	4.1		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12kW						
6.9	166	199.81	10300	3.6	R	67 D63S4
7.5	153	184.07	10400	3.9	RF	67 D63S4
4.8	240	186.89	7780	1.90		
5.2	220	172.17	7820	2.0		
6.1	188	147.92	7870	2.4		
7.0	164	128.77	7910	2.7	R	57 D63M6
7.5	154	120.63	7920	2.9	RF	57 D63M6
8.4	136	106.58	7950	3.3		
9.1	126	98.99	7960	3.6		
7.4	155	186.89	7920	2.9		
8.0	143	172.17	7940	3.2	R	57 D63S4
9.3	123	147.92	7960	3.7	RF	57 D63S4
11	107	128.77	7980	4.2		
5.1	225	176.88	5760	1.35		
5.5	210	162.94	5830	1.45	R	47 D63M6
6.4	178	139.99	5920	1.70	RF	47 D63M6
7.4	155	121.87	5980	1.95		
7.8	147	176.88	6000	2.0		
8.5	135	162.94	6030	2.2		
9.9	116	139.99	6070	2.6		47 D63S4
11	101	121.87	6100	3.0	R	47 D63S4
12	95	114.17	6110	3.2	RF	
14	84	100.86	6120	3.6		
15	78	93.68	6130	3.9		
6.7	172	134.82	5270	1.15		
7.3	157	123.66	5410	1.25		
8.6	134	105.28	5600	1.50	R	37 D63M6
9.9	116	90.77	5730	1.75	RF	37 D63M6
11	108	84.61	5770	1.85		
12	94	73.96	5850	2.1		
10	112	134.82	5750	1.80		
11	103	123.66	5800	1.95		
13	87	105.28	5880	2.3	R	37 D63S4
15	75	90.77	5930	2.7	RF	37 D63S4
16	70	84.61	5950	2.8		
19	61	73.96	5980	3.3		
0.18kW						
0.30	4510	4435	28300	0.95	R	107 R77 D63M4
0.34	3990	3896	31100	1.10	RF	107 R77 D63M4
0.43	3190	3039	34300	1.35		
0.34	4380	3918	29000	1.00		
0.39	3700	3343	32400	1.15		
0.44	3360	3034	33700	1.30	R	107 R77 D63M4
0.50	2910	2653	35200	1.50	RF	107 R77 D63M4
0.58	2500	2280	36200	1.70		
0.64	2200	2067	36500	1.95		
0.66	2050	1987	36700	2.1		
0.72	1840	1827	36900	2.3	R	107 R77 D63M4
0.83	1580	1599	37200	2.7	RF	107 R77 D63M4
0.94	1410	1400	37300	3.1		
1.1	1210	1226	37400	3.6		
0.49	2920	2668	21500	1.05		
0.59	2420	2245	24500	1.25		
0.65	2160	2016	25700	1.40		
0.76	1920	1733	26700	1.55		
0.81	1790	1623	27200	1.70	R	97 R57 D63M4
0.92	1570	1434	27600	1.90	RF	97 R57 D63M4
1.1	1300	1207	27900	2.3		
1.2	1160	1084	28100	2.6		
1.4	990	934	28200	3.0		
1.5	920	878	28300	3.2		
1.8	785	755	28400	3.8		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.18kW						
0.49	2980	2722	20400	1.00	R	97 R57 D63M4
0.57	2520	2311	24000	1.20	RF	97 R57 D63M4
0.64	2270	2078	25200	1.30		
0.76	1850	1733	10800	0.85		
0.89	1650	1489	16200	0.95		
0.95	1540	1395	17000	1.00		
1.1	1350	1232	18200	1.15	R	87 R57 D63M4
1.1	1250	1145	18700	1.25	RF	87 R57 D63M4
1.3	1120	1037	19300	1.40		
1.4	1000	931	19800	1.55		
1.6	850	802	20000	1.85		
0.76	1850	1737	11200	0.85		
0.87	1620	1524	16400	0.95		
1.0	1350	1303	18200	1.15	R	87 R57 D63M4
1.2	1180	1143	19100	1.30	RF	87 R57 D63M4
1.5	940	885	20000	1.65		
1.7	830	776	20000	1.90		
1.5	950	858	8100	0.85		
1.7	830	757	9800	1.00	R	77 R37 D63M4
2.0	735	671	10700	1.10	RF	77 R37 D63M4
2.3	620	571	11400	1.35		
1.6	870	821	9480	0.95		
1.8	780	731	10300	1.05		
2.0	720	646	10800	1.15		
2.4	625	560	11400	1.30	R	77 R37 D63M4
2.7	530	488	11900	1.55	RF	77 R37 D63M4
3.0	470	436	12200	1.75		
3.5	405	373	12500	2.0		
4.0	355	327	12600	2.3		
4.6	320	289	12800	2.6		
2.3	625	571	7260	0.95	R	67 R37 D63M4
2.7	525	486	7350	1.15	RF	67 R37 D63M4
2.3	635	574	7140	0.95		
2.7	545	495	8160	1.10		
3.0	465	438	8860	1.30	R	67 R37 D63M4
3.4	415	388	9250	1.45	RF	67 R37 D63M4
3.8	380	344	9470	1.60		
4.5	310	294	9840	1.95		
5.1	280	261	9960	2.1		
2.9	490	454	6910	0.90	R	57 R37 D63M4
3.2	445	410	7130	1.00	RF	57 R37 D63M4
2.8	520	471	6000	0.85		
3.7	390	357	7350	1.15		
4.1	345	319	7500	1.30	R	57 R37 D63M4
4.8	290	273	7650	1.55	RF	57 R37 D63M4
5.5	255	241	7750	1.75		
6.1	225	215	7800	2.0		
3.7	405	359	7280	1.10		
4.1	365	324	7430	1.25		
4.6	325	290	7560	1.40		
5.0	295	262	7650	1.55	R	57 R37 D63M4
5.3	275	246	7700	1.65	RF	57 R37 D63M4
6.0	240	220	7770	1.85		
7.0	205	188	7840	2.2		
8.3	172	159	7900	2.6		
4.4	335	301	4780	0.90		
5.2	285	255	5510	1.05	R	47 R37 D63M4
5.8	250	228	5660	1.20	RF	47 R37 D63M4
6.8	210	195	5810	1.40		
4.5	385	195.24	12500	2.1	R	77 D63L6
5.2	330	166.59	12700	2.5	RF	77 D63L6
6.0	290	145.67	12800	2.8	R	77 D63L6
6.3	275	138.39	12900	3.0	RF	77 D63L6
7.2	240	121.42	12900	3.4		
6.8	255	195.24	12900	3.2		
7.9	215	166.59	13000	3.8	R	77 D63M4
9.1	190	145.67	13000	4.3	RF	77 D63M4
9.5	180	138.39	13000	4.6		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{2a} [N]	使用系数 Service factor f_a			机型号 Model
0.18kW							
4.3	395	199.81	9370	1.50			
4.7	365	184.07	9560	1.65			
5.5	310	158.14	9830	1.90			
6.3	270	137.67	10000	2.2			
6.8	255	128.97	10100	2.3			
7.6	225	113.94	10200	2.7	R	67	D63L6
8.2	210	105.83	10200	2.9	RF	67	D63L6
9.1	190	95.91	10300	3.2			
10	170	86.11	10300	3.5			
12	147	74.17	10400	4.1			
12	138	69.75	10400	4.3			
6.6	260	119.81	10100	2.3			
7.2	240	184.07	10100	2.5			
8.4	205	158.14	10200	2.9			
9.6	179	137.67	10300	3.3	R	67	D63M4
10	168	128.97	10300	3.6	RF	67	D63M4
12	148	113.94	10400	4.0			
12	138	105.83	10400	4.3			
4.7	370	186.89	7420	1.20			
5.1	340	172.17	7510	1.30			
5.9	290	147.92	7650	1.55	R	57	D63L6
6.8	255	128.77	7740	1.75	RF	57	D63L6
7.2	240	120.63	7780	1.90			
7.1	245	186.89	7770	1.85			
7.7	225	172.17	7810	2.0			
8.9	193	147.92	7870	2.3			
10	168	128.77	7900	2.7	R	57	D63M4
11	157	120.63	7920	2.9	RF	57	D63M4
12	139	106.58	7940	3.2			
13	129	98.99	7950	3.5			
15	117	89.71	7970	3.8			
7.5	230	176.88	5740	1.30			
8.1	210	162.94	5810	1.40			
9.4	182	139.99	5910	1.65			
11	159	121.87	5980	1.90	R	47	D63M4
12	149	114.17	6000	2.0	RF	47	D63M4
13	131	100.86	6040	2.3			
14	122	93.68	6060	2.5			
16	111	84.90	6080	2.7			
17	99	76.23	6100	3.0			
7.0	245	123.66	3060	0.80			
8.3	210	105.28	4840	0.95	R	37	D63L6
9.6	179	90.77	5190	1.10	RF	37	D63L6
10	167	84.61	5310	1.20			
9.8	176	134.82	5230	1.15			
11	161	123.66	5370	1.25			
13	137	105.28	5580	1.45			
15	118	90.77	5710	1.70			
16	110	84.61	5760	1.80	R	37	D63M4
18	96	73.96	5840	2.1	RF	37	D63M4
19	90	69.33	5870	2.2			
22	80	61.18	5920	2.5			
24	73	55.76	5940	2.6			
27	63	48.08	5960	3.2			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{2a} [N]	使用系数 Service factor f_a			机型号 Model
0.25kW							
0.43	4670	3039	27300	0.90	R	107	R77D63L4
					RF	107	R77D63L4
0.65	3030	1987	34800	1.40			
0.71	2740	1827	35700	1.55			
0.81	2370	1599	36300	1.80	R	107	R77D63L4
0.93	2100	1400	36700	2.0	RF	107	R77D63L4
1.1	1810	1226	37000	2.4			
1.4	1410	939	37300	3.0			
1.6	1220	822	37400	3.5			
0.64	3160	2016	12400	0.95			
0.75	2780	1733	22500	1.10	R	97	R57D63L4
0.80	2590	1623	23600	1.15	RF	97	R57D63L4
0.71	2870	1823	21800	1.05			
0.82	2490	1583	24100	1.20			
0.93	2160	1396	25700	1.40			
1.1	1880	1228	26800	1.60	R	97	R57 D63L4
1.2	1700	1069	27400	1.75	RF	97	R57 D63L4
1.4	1480	938	27700	2.0			
1.6	1260	824	27900	2.4			
1.8	1130	737	28100	2.7			
2.1	970	632	28300	3.1			
1.1	1810	1145	13800	0.85			
1.2	1630	1037	16300	0.95	R	87	R57 D63L4
1.4	1460	931	17500	1.05	RF	87	R57 D63L4
1.6	1250	802	18700	1.25			
1.1	1750	1143	15400	0.90			
1.5	1380	885	18000	1.10			
1.7	1210	776	18900	1.30			
1.9	1070	685	19600	1.45	R	87	R57 D63L4
2.2	900	599	20000	1.70	RF	87	R57 D63L4
2.5	795	525	20000	1.95			
2.8	695	456	20000	2.2			
4.9	405	268	20000	3.8			
2.3	900	571	9110	0.90	R	77	R37 D63L4
					RF	77	R37 D63L4
2.3	900	560	9110	0.90			
2.7	775	488	10300	1.05			
3.0	690	436	11000	1.20			
3.5	590	373	11600	1.40	R	77	R37 D63L4
4.0	520	327	12000	1.60	RF	77	R37 D63L4
4.5	460	289	12300	1.80			
5.0	410	260	12400	2.0			
5.8	345	224	12700	2.4			
3.3	605	388	7490	1.00			
3.8	550	344	8120	1.10			
4.4	455	294	8950	1.30	R	67	R37 D63L4
5.0	410	261	9260	1.45	RF	67	R37 D63L4
5.6	370	234	9520	1.60			
6.5	315	200	9820	1.90			
7.4	270	176	10000	2.2			
8.2	245	158	10100	2.5			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{2a} [N]	使用系数 Service factor f_a			机型号 Model
0.25kW							
3.4	630	384	7220	0.95			
3.6	585	359	7730	1.05			
4.2	505	310	8560	1.20			
4.9	425	264	9180	1.40	R	67	R37 D63L4
5.5	375	235	9480	1.60	RF	67	R37 D63L4
5.5	320	201	9790	1.90			
7.2	290	181	9940	2.1			
4.1	505	319	6590	0.90			
4.8	425	273	7200	1.05			
5.4	375	241	7410	1.20	R	57	R37 D63L4
6.1	335	215	7540	1.35	RF	57	R37 D63L4
6.9	295	187	7650	1.55			
7.9	255	164	7740	1.75			
9.2	220	142	7810	2.0			
4.0	530	324	5580	0.85			
4.5	470	290	7010	0.95	R	57	R37 D63L4
5.0	425	262	7210	1.05	RF	57	R37 D63L4
5.3	395	246	7320	1.15			
5.9	355	220	7470	1.30			
5.7	365	228	3070	0.80			
6.7	310	195	5370	0.95	R	47	R37 D63L4
7.1	290	182	5480	1.05	RF	47	R37 D63L4
8.5	240	154	5700	1.25			
2.3	1020	289.74	28200	3.0			
2.7	900	255.71	28300	3.3	R	97	D80N8
2.8	850	241.25	28400	3.5	RF	97	D80N8
3.1	760	216.28	28400	4.0			
2.8	870	246.54	20000	1.80			
3.1	760	216.54	20000	2.0	R	87	D80N8
3.3	720	205.71	20000	2.2	RF	87	D80N8
3.7	640	181.77	20000	2.4			
4.1	585	166.59	11600	1.40			
4.7	510	145.67	12000	1.60	R	77	D80N8
4.9	485	138.39	12100	1.70	RF	77	D80N8
5.6	425	121.42	12400	1.90			
4.5	530	195.24	11900	1.55			
5.3	450	166.59	12300	1.80	R	77	D71D6
6.0	395	145.67	12500	2.1	RF	77	D71D6
6.7	360	195.24	12600	2.3			
7.8	305	166.59	12800	2.7			
8.9	270	145.67	12900	3.1	R	77	D63L4
9.4	255	138.39	12900	3.2	RF	77	D63L4
11	225	121.42	13000	3.7			
4.3	555	158.14	8060	1.10			
4.9	485	137.67	8730	1.25	R	67	D80N8
5.3	455	128.97	8970	1.35	RF	67	D80N8
6.0	400	113.94	9340	1.50			
4.4	540	199.81	8190	1.10			
4.8	500	184.07	8590	1.20			
5.6	430	158.14	9140	1.40			
6.4	375	137.67	9500	1.60	R	67	D71D6
6.8	350	128.97	9630	1.70	RF	67	D71D6
7.7	310	113.94	9840	1.95			
8.3	285	105.83	9940	2.1			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{2a} [N]	使用系数 Service factor f_a			机型号 Model
0.25kW							
6.5	365	199.81	9540	1.65			
7.1	340	184.07	9700	1.80			
8.2	290	158.14	9930	2.1			
9.4	255	137.67	10100	2.4			
10	235	128.94	10100	2.5	R	67	D63L4
11	210	113.94	10200	2.9	RF	67	D63L4
12	194	105.83	10300	3.1			
14	176	95.91	10300	3.4			
15	158	86.11	10400	3.8			
4.7	505	186.89	6450	0.90			
5.1	465	172.17	7030	0.95			
5.9	400	147.92	7300	1.10			
6.8	350	128.77	7480	1.30			
7.3	325	120.63	7550	1.35	R	57	D71D6
8.3	290	106.58	7660	1.55	RF	57	D71D6
8.9	270	98.99	7710	1.70			
7.0	345	186.89	7500	1.30			
7.6	315	172.17	7590	1.40			
8.8	270	147.92	7700	1.65			
10	235	128.77	7780	1.90			
11	220	120.63	7810	2.0			
12	196	106.58	7860	2.3	R	57	D63L4
13	182	98.99	7880	2.5	RF	57	D63L4
14	165	89.71	7910	2.7			
16	148	80.55	7930	3.0			
19	127	69.23	7960	3.5			
7.3	325	176.88	5280	0.90			
8.0	300	162.94	5420	1.00			
9.3	255	139.99	5630	1.15			
11	225	121.87	5770	1.35			
11	210	114.17	5820	1.45			
13	185	100.86	5900	1.60			
14	172	93.68	5940	1.75	R	47	D63L4
15	156	84.90	5980	1.90	RF	47	D63L4
17	140	76.23	6020	2.1			
19	126	68.54	6050	2.4			
20	118	64.21	6070	2.5			
23	104	56.73	6090	2.9			
25	97	52.69	6100	3.1			
27	88	47.75	6080	3.4			
9.6	250	134.82	2630	0.80			
11	225	123.66	4560	0.90			
12	193	105.28	5030	1.05			
14	167	90.77	5320	1.20			
15	155	84.61	5420	1.30			
18	136	73.96	5590	1.45			
19	127	69.33	5650	1.55	R	37	D63L4
21	112	61.18	5750	1.80	RF	37	D63L4
23	102	55.76	5800	1.95			
27	88	48.08	5870	2.3			
29	82	44.81	5760	2.4			
33	72	39.17	5540	2.8			
35	67	36.72	5430	3.0			
40	60	32.40	5230	3.4			
0.37kW							
0.67	4610	2067	27700	0.95			
0.82	3760	1693	32100	1.15			
0.89	3410	1550	33500	1.25	R	107	R77 D71D4
0.98	3090	1407	34600	1.40	RF	107	R77 D71D4
1.1	2660	1209	35900	1.60			
1.3	2320	1055	36400	1.85			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
0.37kW							
0.69	4370	1987	29100	1.00			
0.76	3970	1827	31100	1.10			
0.86	3440	1599	33400	1.25	R	107	R77 D71D4
0.99	3040	1400	34800	1.40	RF	107	R77 D71D4
1.1	2640	1226	36000	1.65			
1.5	2040	939	36700	2.1			
1.7	1770	822	37000	2.4			
0.96	3240	1434	4430	0.95			
1.1	2710	1207	22900	1.10	R	97	R57 D71D4
1.3	2430	1084	24500	1.25	RF	97	R57 D71D4
0.99	3100	1396	15400	0.95			
1.1	2710	1228	22900	1.10			
1.3	2410	1069	24500	1.25			
1.5	2110	938	25900	1.40			
1.7	1820	824	27100	1.65	R	97	R57 D71D4
1.9	1630	737	27500	1.85	RF	97	R57 D71D4
2.2	1390	632	27800	2.2			
3.2	960	431	28300	3.1			
3.6	840	379	28400	3.6			
4.1	745	336	28400	4.0			
1.7	1780	802	15100	0.85			
1.8	1670	754	16000	0.95	R	87	R57 D71D4
2.1	1430	649	17700	1.10	RF	87	R57 D71D4
1.8	1730	776	15500	0.90			
2.0	1530	685	17100	1.00			
2.3	1310	599	18400	1.20			
2.6	1150	525	19200	1.35	R	87	R57 D71D4
3.0	1000	456	19800	1.55	RF	87	R57 D71D4
5.2	585	268	20000	2.7			
5.8	515	236	20000	3.0			
2.6	1230	538	18800	1.25			
2.9	1080	472	19500	1.45	R	87	R57 D71D4
3.5	910	400	20000	1.70	RF	87	R57 D71D4
3.8	810	361	20000	1.90			
3.2	980	436	5390	0.85			
3.7	840	373	9720	0.95			
4.2	740	327	10600	1.10			
4.8	655	289	11200	1.25	R	77	R37 D71D4
5.3	585	260	11600	1.40	RF	77	R37 D71D4
6.2	500	224	12100	1.65			
7.0	435	197	12400	1.90			
8.1	380	169	12600	2.2			
9.3	335	149	12700	2.5			
4.7	650	294	6230	0.90			
5.3	585	261	7710	1.00	R	67	R37 D71D4
5.9	525	234	8340	1.15	RF	67	R37 D71D4
6.9	450	200	9010	1.35			
2.7	1330	255.71	27900	2.3			
2.8	1250	241.25	28000	2.4	R	97	D90S8
3.1	1120	216.28	28100	2.7	RF	97	D90S8
3.7	970	186.30	28300	3.1			
3.1	1140	289.74	28100	2.6			
3.5	1000	255.71	28200	3.0	R	97	D80K6
3.7	950	241.25	28300	3.2	RF	97	D80K6
4.2	850	216.28	28400	3.5			
3.1	1130	216.54	19300	1.40	R	87	D90S8
3.3	1070	205.71	19600	1.45	RF	87	D90S8
3.7	940	181.77	20000	1.65			
3.7	970	246.54	20000	1.60			
4.2	850	216.54	20000	1.80			
4.4	810	205.71	20000	1.90	R	87	D80K6
4.9	715	181.77	20000	2.2	RF	87	D80K6
5.8	610	155.34	20000	2.5			
6.3	560	142.41	20000	2.8			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
0.37kW							
4.7	755	145.67	10500	1.10	R	77	D90S8
4.9	720	138.39	10800	1.15	RF	77	D90S8
5.6	630	121.42	11400	1.30			
5.4	655	166.59	11200	1.25	R	77	D80K6
6.2	570	145.67	11700	1.45	RF	77	D80K6
6.5	545	138.39	11900	1.50			
7.1	500	195.24	12100	1.65			
8.3	425	166.59	12400	1.90			
9.5	375	145.67	12600	2.2	R	77	D71D4
10	355	138.39	12600	2.3	RF	77	D71D4
11	310	121.42	12800	2.6			
13	265	102.99	12900	3.1			
15	240	92.97	12900	3.5			
5.7	620	158.14	7300	0.95			
6.5	540	137.67	8210	1.10	R	67	D80K6
7.0	505	128.97	8530	1.20	RF	67	D80K6
7.9	445	113.94	9010	1.35			
6.9	510	199.81	8480	1.15			
7.5	470	184.07	8820	1.25			
8.7	405	158.14	9310	1.50			
10	355	137.67	9620	1.70			
11	330	128.97	9740	1.80			
12	290	113.94	9920	2.1	R	67	D71D4
13	270	105.83	10000	2.2	RF	67	D71D4
14	245	95.91	10100	2.4			
16	220	86.11	10200	2.7			
19	190	74.17	10300	3.2			
20	179	69.75	10300	3.4			
23	157	61.26	10400	3.8			
24	146	56.89	10400	4.1			
7.0	505	128.77	6510	0.90			
7.5	475	120.63	7000	0.95	R	57	D80K6
8.4	420	106.58	7240	1.10	RF	57	D80K6
9.1	390	98.99	7350	1.15			
7.4	480	186.89	6980	0.95			
8.0	440	172.17	7140	1.00			
9.3	380	147.92	7390	1.20			
11	330	128.77	7550	1.35			
11	310	120.63	7610	1.45			
13	275	106.58	7700	1.65			
14	255	98.99	7750	1.80	R	57	D71D4
15	230	89.71	7800	1.95	RF	57	D71D4
17	205	80.55	7840	2.2			
20	177	69.23	7890	2.5			
21	166	64.85	7910	2.7			
24	147	57.29	7760	3.1			
26	136	53.22	7600	3.3			
29	124	48.23	7380	3.6			
9.9	360	139.99	3490	0.85			
11	310	121.87	5350	0.95			
12	290	114.17	5460	1.05			
14	260	100.86	5630	1.15			
15	240	93.68	5700	1.25			
16	215	84.90	5790	1.40			
18	195	76.23	5870	1.55			
20	176	68.54	5930	1.70	R	47	D71D4
21	164	64.21	5960	1.80	RF	47	D71D4
24	145	56.73	6010	2.1			
26	135	52.69	5990	2.2			
29	122	47.75	5820	2.5			
32	110	42.87	5650	2.7			
37	95	36.93	5410	3.2			
40	89	34.73	5310	3.4			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
0.37kW							
41	87	33.79	5270	2.8			
44	80	31.12	5150	2.8	R	47	D71D4
52	69	26.74	4920	4.4	RF	47	D71D4
59	60	23.28	4720	5.0			
63	56	21.81	4620	5.4			
15	230	90.77	4250	0.85			
16	215	84.61	4720	0.90	R	47	D71D4
19	189	73.96	5070	1.05	RF	47	D71D4
20	178	69.33	5210	1.15			
23	157	61.18	5410	1.30			
25	143	55.76	5530	1.40			
29	123	48.08	5590	1.60			
31	115	44.81	5480	1.75	R	37	D71D4
35	100	39.17	5290	2.0	RF	37	D71D4
38	94	36.72	5190	2.1			
43	83	32.40	5010	2.4			
48	74	28.73	4850	2.7			
57	63	24.42	4620	3.2			
49	73	27.32	4830	2.8			
53	67	26.03	4710	2.8	R	37	D71D4
62	57	22.27	4500	3.5	RF	37	D71D4
71	49	19.31	4320	4.1			
76	46	18.05	4230	4.3			
88	40	15.60	4050	5.0	R	37	D71D4
104	34	13.25	3850	5.6	RF	37	D71D4
117	30	11.83	3720	6.0			
0.55kW							
0.97	4790	1407	23400	0.90			
1.1	4120	1209	30400	1.05			
1.3	3590	1055	32800	1.20	R	107	R77 D80K4
1.5	3140	919	34500	1.35	RF	107	R77 D80K4
1.7	2790	815	35600	1.55			
1.9	2450	717	36200	1.75			
2.2	2140	626	36600	2.0			
0.97	4730	1400	26500	0.90			
1.1	4120	1226	30400	1.05	R	107	R77 D80K4
1.2	3690	1104	32400	1.15	RF	107	R77 D80K4
1.5	3170	939	34400	1.35			
1.7	2760	822	35700	1.55			
1.5	3240	938	4620	0.95			
1.6	2810	824	22200	1.05			
1.8	2520	737	24000	1.20			
2.2	2160	632	25700	1.40			
2.4	1880	560	26800	1.60	R	97	R57 D80K4
2.8	1640	484	27400	1.85	RF	97	R57 D80K4
3.2	1480	431	27700	2.0			
3.6	1290	379	27900	2.3			
4.0	1150	336	28100	2.6			
4.6	1010	296	28200	3.0			
5.5	840	249	28400	3.6			
2.6	1780	525	15100	0.85			
3.0	1550	456	16900	1.00	R	87	R57 D80K4
3.4	1340	398	18200	1.15	RF	87	R57 D80K4
3.9	1190	352	19000	1.30			
4.4	1030	305	19700	1.50			
2.9	1650	472	16200	0.95	R	87	R57 D80K4
3.4	1400	400	17900	1.10	RF	87	R57 D80K4
3.8	1260	361	18700	1.25			
4.9	970	276	6420	0.85			
5.8	830	236	9860	1.00	R	77	R37 D80K4
6.2	775	221	10300	1.05	RF	77	R37 D80K4
7.3	650	186	11300	1.25			
2.7	1980	255.71	26500	1.50	R	97	D90L8
2.8	1860	241.25	26900	1.60	RF	97	D90L8
3.1	1670	216.28	27400	1.80			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
0.55kW							
3.0	1690	289.74	27400	1.75			
3.5	1490	255.71	27700	2.0	R	97	D80N6
3.7	1410	241.25	27800	2.1	RF	97	D80N6
4.2	1260	216.28	28000	2.4			
4.7	1120	289.74	28100	2.7			
5.3	990	255.71	28200	3.0	R	97	D80K4
5.6	930	241.25	28300	3.2	RF	97	D80K4
6.3	840	216.28	28400	3.6			
3.7	1440	246.54	17700	1.10			
4.2	1260	216.54	18700	1.25			
4.4	1200	205.71	19000	1.30	R	87	D80N6
4.9	1060	181.77	19600	1.45	RF	87	D80N6
5.8	910	155.34	20000	1.70			
5.5	950	246.54	20000	1.65			
6.3	840	216.54	20000	1.85			
6.6	795	205.71	20000	1.95			
7.5	700	181.77	20000	2.2			
8.8	600	155.34	20000	2.6	R	87	D80K4
9.6	550	142.41	20000	2.8	RF	87	D80K4
11	485	124.97	20000	3.2			
11	455	118.43	20000	3.4			
13	400	103.65	20000	3.9			
8.2	645	166.59	11300	1.25			
9.3	565	145.67	11800	1.45			
9.8	535	138.39	11900	1.55			
11	470	121.42	12200	1.75	R	77	D80K4
13	400	102.99	12500	2.1	RF	77	D80K4
15	360	92.97	12600	2.3			
17	315	81.80	12800	2.6			
18	300	77.24	12800	2.8			
21	255	65.77	12900	3.2			
8.6	610	158.14	7430	1.00			
9.9	530	137.67	8290	1.15			
11	500	128.97	8600	1.20			
12	440	113.94	9060	1.35			
13	410	105.83	9280	1.45	R	67	D80K4
14	370	95.91	9520	1.60	RF	67	D80K4
16	335	86.11	9730	1.80			
18	285	74.17	9940	2.1			
20	270	69.75	10000	2.2			
22	235	61.26	10100	2.5			
24	220	56.89	10200	2.7			
11	465	120.63	7030	0.95			
13	410	106.58	7260	1.10			
14	380	98.99	7370	1.20			
15	345	89.71	7490	1.30			
17	310	80.55	7600	1.45			
20	265	69.23	7710	1.70			
21	250	64.85	7750	1.80	R	57	D80K4
24	220	57.29	7530	2.0	RF	57	D80K4
26	205	53.22	7390	2.2			
28	186	48.23	7190	2.4			
31	167	43.30	6980	2.7			
36	144	37.30	6700	3.1			
39	136	35.07	6580	3.3			
52	102	26.31	6060	4.4			
54	97	24.99	5970	4.7	R	57	D80K4
62	85	21.93	5740	5.3	RF	57	D80K4
73	72	18.60	5460	6.3			
15	360	93.68	3280	0.85			
16	330	84.90	5230	0.90			
18	295	76.23	5450	1.00			
20	265	68.54	5600	1.15			
21	250	64.21	5670	1.20			
24	220	56.73	5790	1.35	R	47	D80K4
26	205	52.69	5770	1.45	RF	47	D80K4
28	184	47.75	5630	1.65			
32	166	42.87	5470	1.80			
37	143	36.93	5260	2.1			
39	134	34.73	5180	2.2			
46	115	29.88	4970	2.6			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R_a} [N]	使用系数 Service factor f_a	机型号 Model		
0.55kW							
51	103	26.74	4820	2.9			
58	90	23.28	4630	3.3	R	47	D80K4
62	84	21.81	4550	3.6	RF	47	D80K4
22	235	61.18	3910	0.85			
24	215	55.76	4740	0.95			
28	186	48.08	5120	1.10			
30	173	44.81	5230	1.15			
35	151	39.17	5070	1.30	R	37	D80K4
37	142	36.72	4990	1.40	RF	37	D80K4
42	125	32.40	4840	1.60			
47	111	28.73	4700	1.80			
56	94	24.42	4500	2.1			
61	86	22.27	4390	2.3			
70	75	19.31	4220	2.7			
75	70	18.05	4140	2.9	R	37	D80K4
87	60	15.60	3970	3.3	RF	37	D80K4
103	51	13.25	3790	3.7			
115	46	11.83	3670	4.0			
0.75kw							
1.3	4890	1055	19000	0.90	R	107 R77	D80N4
1.5	4270	919	29600	1.00	RF	107 R77	D80N4
1.7	3800	815	31900	1.15			
1.2	5050	1104	7700	0.85			
1.5	4330	939	29300	1.00	R	107 R77	D80N4
1.7	3770	822	32000	1.15	RF	107 R77	D80N4
3.7	1690	369	37100	2.5			
4.3	1470	323	37300	2.9			
2.2	2940	632	21400	1.00			
2.5	2570	560	23700	1.15			
2.8	2230	484	25400	1.35			
3.2	2010	431	26400	1.50	R	97 R57	D80N4
3.6	1760	379	27200	1.70	RF	97 R57	D80N4
4.1	1570	336	27600	1.90			
4.7	1370	296	27800	2.2			
5.5	1150	249	28100	2.6			
3.5	1830	398	12400	0.85			
3.9	1630	352	16400	0.95	R	87 R57	D80N4
4.5	1400	305	17900	1.10	RF	87 R57	D80N4
5.2	1240	268	18800	1.25			
5.8	1090	236	19500	1.40			
3.8	1710	361	15700	0.90	R	87 R57	D80N4
4.6	1410	300	17800	1.10	RF	87 R57	D80N4
5.4	1200	256	19000	1.30			
2.8	2610	251.15	36000	1.65	R	107	D100M8
3	2390	229.95	36300	1.80	RF	107	D100M8
3.4	2110	203.16	36700	2.0			
3.2	2240	216.28	25300	1.35	R	97	D100M8
3.7	1930	186.3	26600	1.55	RF	97	D100M8
4.1	1760	170.02	27200	1.75			
3.5	2030	255.71	26200	1.45	R	97	D90S6
3.7	1920	241.25	26700	1.55	RF	97	D90S6
4.2	1720	216.28	27300	1.75			
4.8	1500	289.74	27600	2.0			
5.4	1330	255.71	27900	2.3			
5.7	1250	241.25	28000	2.4	R	97	D80N4
6.4	1120	216.28	28100	2.7	RF	97	D80N4
7.4	970	186.3	28300	3.1			
8.1	880	170.02	28300	3.4			
4.2	1720	216.54	15600	0.9	R	87	D90S6
4.4	1640	205.71	16300	0.95	RF	87	D90S6
4.9	1450	181.77	17600	1.05			
5.8	1240	155.34	18800	1.25	R	87	D90S6
6.3	1130	142.41	19300	1.35	RF	87	D90S6

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R_a} [N]	使用系数 Service factor f_a	机型号 Model		
0.75kw							
5.6	1280	246.54	18600	1.20			
6.4	1120	216.54	19300	1.40			
6.7	1070	205.71	19600	1.45			
7.6	940	181.77	20000	1.65			
8.9	810	155.34	20000	1.90	R	87	D80N4
9.7	740	142.41	20000	2.1	RF	87	D80N4
11	650	124.97	20000	2.4			
12	615	118.43	20000	2.5			
13	540	103.65	20000	2.9			
15	480	93.38	20000	3.2			
8.3	860	166.59	9490	0.95	R	77	D80N4
9.5	755	145.67	10500	1.10	RF	77	D80N4
10	720	138.39	10800	1.15			
11	630	121.42	11400	1.30			
13	535	102.99	11900	1.55			
15	485	92.97	12200	1.70			
17	425	81.8	12400	1.95			
18	400	77.24	12500	2.0	R	77	D80N4
21	340	65.77	12700	2.4	RF	77	D80N4
24	300	54.68	12800	2.7			
27	270	52.07	12900	3.0			
30	240	45.81	12900	3.5			
32	225	43.26	13000	3.7			
11	670	128.97	4040	0.90			
12	590	113.94	7660	1.00			
13	550	105.83	8120	1.10			
14	500	95.91	8600	1.20			
16	445	86.11	9010	1.35	R	67	D80N4
19	385	74.17	9430	1.55	RF	67	D80N4
20	360	69.75	9570	1.65			
23	320	61.26	9800	1.90			
24	295	56.89	9910	2.0			
27	270	51.56	10000	2.2			
30	240	46.29	10100	2.5			
13	555	106.58	4610	0.80			
14	515	98.99	6200	0.90			
15	465	89.71	7040	0.95	R	57	D80N4
17	420	80.55	7240	1.10	RF	57	D80N4
20	360	69.23	7450	1.25			
21	335	64.85	7430	1.35			
24	295	57.29	7220	1.50			
26	275	53.22	7090	1.65			
29	250	48.23	6930	1.80			
32	225	43.30	6740	2.0	R	57	D80N4
37	194	37.30	6490	2.3	RF	57	D80N4
39	182	35.07	6380	2.5			
46	157	30.18	6130	2.9			
51	140	26.97	5940	3.2			
52	137	26.31	5900	3.3			
55	130	24.99	5820	3.5	R	57	D80N4
63	114	21.93	5610	4.0	RF	57	D80N4
74	97	18.60	5350	4.7			
20	355	68.54	3660	0.85	R	47	D80N4
21	335	64.21	4950	0.90	RF	47	D80N4
24	295	56.73	5450	1.00			
26	275	52.69	5480	1.10			
29	250	47.75	5370	1.20			
32	225	42.87	5240	1.35			
37	192	36.93	5060	1.55	R	47	D80N4
40	180	34.73	4980	1.65	RF	47	D80N4
46	155	29.88	4800	1.95			
52	139	26.70	4660	2.2			
58	122	23.59	4510	2.5			
52	139	26.74	4660	2.2			
59	121	23.28	4490	2.5			
63	113	21.81	4420	2.7	R	47	D80N4
72	100	19.27	4270	3.0	RF	47	D80N4
77	93	17.89	4180	3.1			
85	84	16.22	4070	3.3			

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R_a} [N]	使用系数 Service factor f_a	机型号 Model		
0.75kw							
29	250	48.08	2330	0.80	R	37	D80N4
31	235	44.81	4230	0.85	RF	37	D80N4
35	205	39.17	4720	1.00			
38	191	36.72	4740	1.05			
43	168	32.40	4610	1.20	R	37	D80N4
48	149	28.73	4490	1.35	RF	37	D80N4
57	127	24.42	4320	1.60			
62	116	22.27	4230	1.75			
71	100	19.31	4080	2.0			
76	94	18.05	4010	2.1			
88	81	15.6	3850	2.5	R	37	D80N4
104	69	13.25	3690	2.8	RF	37	D80N4
117	61	11.82	3570	3.0			
137	53	10.11	3420	3.2			
146	49	9.47	3360	3.4			
1.1kw							
2.0	4870	717	20200	0.90	R	107	R77 D90S4
					RF	107	R77 D90S4
2.3	4100	614	30500	1.05			
2.6	3630	544	32700	1.20			
2.8	3280	492	34000	1.30			
3.3	2780	417	35600	1.55	R	107	R77 D90S4
3.8	2480	369	36200	1.75	RF	107	R77 D90S4
4.3	2170	323	36600	2.0			
4.9	1910	285	36900	2.2			
5.5	1690	253	37100	2.5			
3.2	2930	431	21400	1.00			
3.7	2580	379	27700	1.15			
4.2	2290	336	25100	1.30	R	97	R57 D90S4
4.7	2010	296	26300	1.50	RF	97	R57 D90S4
5.6	1680	249	27400	1.80			
6.0	1570	234	27500	1.90			
6.7	1400	209	27800	2.1			
5.2	1810	268	13900	0.85	R	87	R57 D90S4
5.9	1600	236	16600	0.95	RF	87	R57 D90S4
6.7	1400	209	17900	1.10			
5.5	1760	256	15300	0.90	R	87	R57 D90S4
6.0	1590	232	16600	0.95	RF	87	R57 D90S4
7.2	1350	195	18200	1.15			
2.7	3880	251.15	31600	1.10			
3.0	3550	229.95	33000	1.20	R	107	D100L8
3.3	3140	203.16	34500	1.35	RF	107	D100L8
4.0	2660	172.34	35900	1.60			
3.6	2920	255.71	21500	1.05			
3.8	2750	241.25	22600	1.10	R	97	D90L6
4.2	2470	216.28	24200	1.20	RF	97	D90L6
4.9	2130	186.30	25900	1.40			
5.5	1920	255.71	26700	1.55			
5.8	1810	241.25	27100	1.65			
6.5	1620	216.28	27500	1.85			
7.5	1400	186.30	27800	2.2	R	97	D90S4
8.2	1280	170.02	27900	2.3	RF	97	D90S4
9.3	1130	150.78	28100	2.7			
11	950	126.75	28300	3.2			
12	870	116.48	28300	3.4			
6.5	1620	216.54	16400	0.95	R	87	D90S4
6.8	1540	205.71	17000	1.00	RF	87	D90S4
7.7	1360	181.77	18100	1.15			
9.0	1170	155.34	19100	1.35			
9.8	1070	142.41	19600	1.45			
11	940	124.97	20000	1.65			
12	890	118.43	20000	1.75			
14	780	103.65	20000	2.0	R	87	D90S4
15	700	93.38	20000	2.2	RF	87	D90S4
17	615	81.92	20000	2.5			
19	545	72.57	20000	2.8			
22	480	63.68	20000	3.2			
23	455	60.35	20000	3.4			
27	395	52.82	20000	3.9			

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R_a} [N]	使用系数 Service factor f_a	机型号 Model		
1.1kw							
12	910	121.42	8990	0.90	R	77	D90S4
14	775	102.99	10300	1.05	RF	77	D90S4
15	700	92.97	10900	1.20			
17	615	81.80	11500	1.35			
18	580	77.24	11700	1.40			
21	495	65.77	12100	1.65			
24	435	57.68	12400	1.90	R	77	D90S4
27	390	52.07	12500	2.1	RF	77	D90S4
31	345	45.81	12700	2.4			
32	325	43.26	12700	2.5			
38	275	36.83	12900	3.0			
42	250	33.47	12900	3.3			
16	645	86.11	6820	0.95			
17	555	74.17	8040	1.10			
20	525	69.75	8370	1.15			
23	460	61.26	8920	1.30			
25	425	56.89	9160	1.40	R	67	D90S4
27	385	51.56	9420	1.55	RF	67	D90S4
30	345	46.29	9650	1.75			
35	300	39.88	9890	1.95			
37	280	37.50	9970	2.0			
43	240	32.27	10100	2.2			
49	215	28.83	10200	2.4			
50	210	28.13	10200	2.6			
52	200	26.70	10100	2.7	R	67	D90S4
60	176	23.44	9730	3.2	RF	67	D90S4
70	149	19.89	9270	4.0			
20	520	69.23	5990	0.85	R	57	D90S4
22	485	64.85	6850	0.90	RF	57	D90S4
24	430	57.29	6700	1.05			
26	400	53.22	6610	1.15			
29	360	48.30	6490	1.25			
32	325	43.30	6350	1.40	R	57	D90S4
38	280	37.30	6140	1.60	RF	57	D90S4
40	265	35.07	6060	1.70			
46	225	30.18	5850	2.0			
52	200	26.97	5690	2.2			
53	197	26.31	5650	2.3			
56	188	24.99	5580	2.4	R	57	D90S4
64	165	21.93	5400	2.7	RF	57	D90S4
75	140	18.60	5170	3.2			
83	126	16.79	5030	3.6			
29	360	47.75	3500	0.85			
33	320	42.87	4850	0.95			
38	275	36.93	4720	1.10	R	47	D90S4
40	260	34.73	4660	1.15	RF	47	D90S4
47	225	29.88	4520	1.35			
52	200	26.70	4410	1.50			
59	177	23.59	4290	1.70			
60	175	23.28	4270	1.70			
64	164	21.81	4210	1.85			
73	145	19.27	4080	2.0			
78	134	17.89	4010	2.2			
86	122	16.22	3910	2.3	R	47	D90S4
96	109	14.56	3800	2.4	RF	47	D90S4
112	94	12.54	3650	2.7			
119	89	11.79	3590	2.8			
138	76	10.15	3450	3.0			
154	68	9.07	3340	3.2			
43	245	32.40	2900	0.80	R	37	D90S4
49	215	28.73	3300	0.95	RF	37	D90S4
57	183	24.42	3720	1.10			
73	145	19.31	3840	1.40	R	37	D90S4
78	135	18.05	3790	1.50	RF	37	D90S4
90	117	15.60	3660	1.70			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
1.1kw							
106	99	13.25	3520	1.90			
118	89	11.83	3430	2.1			
139	76	10.11	3290	2.2			
148	71	9.47	3230	2.3	R	37	D90S4
176	60	7.97	3090	2.6	RF	37	D90S4
210	50	6.67	2920	2.9			
247	43	5.57	2790	3.3			
277	38	5.06	2700	3.5			
1.5kW							
2.7	4860	528	20600	0.90	R	107 R77	D90L4
					RF	107 R77	D90L4
2.6	4970	544	14800	0.85			
2.9	4490	492	28400	0.95			
3.4	3810	417	31900	1.15	R	107 R77	D90L4
3.8	3390	369	33600	1.25	RF	107 R77	D90L4
4.4	2960	323	35100	1.45			
3.0	4410	469	28900	1.00	R	107 R77	D90L4
					RF	107 R77	D90L4
4.2	3120	336	14600	0.95			
4.8	2740	296	22700	1.10			
5.7	2300	249	25100	1.30	R	97 R57	D90L4
6.0	2150	234	25800	1.40	RF	97 R57	D90L4
6.8	1920	209	26700	1.55			
3.0	4710	229.95	26500	0.90			
3.5	4160	203.16	30200	1.05	R	107	D112M8
4.1	3530	172.34	33100	1.20	RF	107	D112M8
4.4	3250	158.68	34100	1.30			
3.7	3910	251.15	31400	1.10			
4.0	3580	229.95	32900	1.20			
4.5	3610	203.16	34400	1.35	R	107	D100M6
5.3	2680	172.34	35900	1.60	RF	107	D100M6
5.8	2470	158.68	36200	1.75			
6.5	2210	141.83	36500	1.95			
5.5	2600	255.71	23500	1.15			
5.8	2450	241.25	24300	1.20			
6.5	2200	216.28	25600	1.35			
7.6	1890	186.30	26800	1.60			
8.3	1730	170.02	27300	1.75	R	97	D90L4
9.4	1530	150.78	27600	1.95	RF	97	D90L4
11	1290	126.75	27900	2.3			
12	1180	116.48	28000	2.5			
14	1050	103.44	28200	2.8			
15	940	92.48	28300	3.2			
7.8	1850	181.77	11400	0.85			
9.1	1580	155.34	16700	1.00			
9.9	1450	142.41	17600	1.05	R	87	D90L4
11	1270	124.97	18600	1.20	RF	87	D90L4
12	1200	118.43	19000	1.30			
14	1050	103.65	19600	1.45			
15	950	93.38	20000	1.65			
17	830	81.92	20000	1.85			
19	735	72.57	20000	2.1			
22	645	63.68	20000	2.4	R	87	D90L4
23	615	60.35	20000	2.5	RF	87	D90L4
27	535	52.82	20000	2.9			
30	485	47.58	20000	3.2			
34	425	41.74	20000	3.7			
38	375	36.84	19600	4.1			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
1.5kW							
15	940	92.97	8500	0.85			
17	830	81.80	9820	1.00	R	77	D90L4
18	785	77.24	10200	1.05	RF	77	D90L4
21	670	65.77	11100	1.25			
24	585	57.68	11600	1.40			
27	530	52.07	11900	1.55			
31	465	45.81	12200	1.75			
33	440	43.26	12300	1.85	R	77	D90L4
38	375	36.83	12600	2.2	RF	77	D90L4
42	340	33.47	12700	2.4			
49	295	29.00	12500	2.8			
56	255	25.23	12000	3.0			
60	240	23.37	11800	3.5			
66	220	21.43	11500	3.8	R	77	D90L4
75	191	18.80	11000	4.1	RF	77	D90L4
23	620	61.26	7280	0.95			
25	580	56.89	7810	1.05			
27	525	51.56	8370	1.15			
30	470	46.29	8830	1.30			
35	405	39.88	9300	1.45	R	67	D90L4
38	380	37.50	9460	1.50	RF	67	D90L4
44	330	32.27	9750	1.65			
49	295	28.83	9920	1.80			
50	285	28.13	9950	1.90			
53	270	26.72	9850	2.0			
60	240	23.44	9500	2.3	R	67	D90L4
71	200	19.89	9070	3.0	RF	67	D90L4
79	182	17.95	8810	3.2			
27	540	53.22	5140	0.85			
29	490	48.23	6010	0.90	R	57	D90L4
33	440	43.30	5920	1.00	RF	57	D90L4
38	380	37.30	5770	1.20			
40	355	35.07	5710	1.25			
47	305	30.18	5540	1.45	R	57	D90L4
52	275	26.97	5420	1.65	RF	57	D90L4
54	265	26.31	5390	1.70			
56	255	24.99	5330	1.75			
64	225	21.93	5170	2.0			
76	189	18.60	4980	2.4			
84	171	16.79	4850	2.6	R	57	D90L4
95	150	14.77	4700	2.9	RF	57	D90L4
101	142	13.95	4630	3.0			
119	121	11.88	4440	3.4			
38	375	36.93	2380	0.80			
41	355	34.73	3840	0.85			
47	305	29.88	4220	1.00	R	47	D90L4
53	370	26.70	4140	1.10	RF	47	D90L4
60	240	23.59	4050	1.25			
61	235	23.28	4040	1.25			
65	220	21.81	3990	1.35			
73	196	19.27	3890	1.50			
79	182	17.89	3830	1.60			
87	165	16.22	3740	1.65			
97	148	14.56	3650	1.80			
112	127	12.54	3520	1.95			
120	120	11.79	3470	2.00			
139	103	10.15	3340	2.2	R	47	D90L4
155	92	9.07	3240	2.4	RF	47	D90L4
176	81	8.01	3140	2.5			
182	79	7.76	3060	2.1			
203	71	6.96	2980	2.2			
235	61	6.00	2860	2.6			
250	57	5.64	2810	2.7			
291	49	4.85	2700	3.0			
325	44	4.34	2610	3.3			
368	39	3.83	2520	3.7			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
1.5kW							
73	196	19.31	2660	1.00	R	37	D90L4
78	183	18.05	2840	1.10	RF	37	D90L4
90	159	15.60	3160	1.25			
106	135	13.25	3350	1.40			
119	120	11.83	3270	1.50			
140	103	10.11	3160	1.65			
149	96	9.47	3110	1.75			
177	81	7.97	2980	1.95			
211	68	6.67	2820	2.1	R	37	D90L4
249	58	5.67	2710	2.5	RF	37	D90L4
279	51	5.06	2630	2.6			
326	44	4.32	2520	2.9			
348	41	4.05	2470	3.0			
414	35	3.41	2360	3.2			
204	70	13.25	2880	2.7			
228	63	11.83	2790	2.9			
267	54	10.11	2680	3.2	R	37	D90S2
285	50	9.47	2630	3.3	RF	37	D90S2
339	42	7.97	2510	3.7			
2.2kW							
3.8	5010	369	12100	0.85			
4.4	4390	323	29000	1.00	R	107 R77	D100M4
4.9	3860	285	31600	1.10	RF	107 R77	D100M4
5.6	3420	253	33500	1.25			
6.6	2900	214	35300	1.50			
4.3	4480	325	28400	0.95	R	107 R77	D100M4
					RF	107 R77	D100M4
6.0	3170	234	11300	0.95	R	97 R57	D100M4
6.8	2840	209	22100	1.05	RF	97 R57	D100M4
4.6	4540	203.16	28100	0.95			
5.4	3850	172.34	31700	1.10	R	107	D112M6
5.9	3550	158.68	33000	1.20	RF	107	D112M6
6.6	3170	141.83	34400	1.35			
5.6	3740	251.15	32200	1.15	R	107	D100M4
6.1	3430	229.95	33500	1.25	RF	107	D100M4
6.9	3030	203.16	34900	1.40			
8.2	2570	172.34	36100	1.65			
8.9	2360	158.68	36300	1.80			
9.9	2110	141.83	36600	2.0			
11	1900	127.68	36900	2.3	R	107	D100M4
12	1720	115.63	37000	2.5	RF	107	D100M4
14	1530	102.53	37200	2.8			
15	1380	92.70	37300	3.1			
6.5	3220	216.28	7030	0.95	R	97	D100M4
7.6	2780	186.30	22500	1.10	RF	97	D100M4
8.3	2530	170.02	23900	1.20			
9.4	2250	150.75	25300	1.35			
11	1890	126.75	26800	1.60			
12	1740	116.48	27300	1.75			
14	1540	103.44	27600	1.95			
15	1380	92.48	27800	2.2	R	97	D100M4
17	1240	83.15	28000	2.4	RF	97	D100M4
20	1080	72.17	28200	2.8			
22	970	65.21	27700	3.1			
24	890	59.92	27000	3.4			
27	795	53.21	26100	3.8			
30	710	47.58	25300	4.2			
11	1860	124.97	10100	0.85			
12	1760	118.43	15200	0.90	R	87	D100M4
14	1540	103.65	17000	1.00	RF	87	D100M4
15	1390	93.38	17900	1.10			
17	1220	81.92	18900	1.25			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
2.2kW							
19	1080	72.57	19500	1.45			
22	950	63.68	20000	1.65			
23	900	60.35	20000	1.70			
27	785	52.82	20000	1.95	R	87	D100M4
30	710	47.58	20000	2.2	RF	87	D100M4
34	620	41.74	19900	2.5			
38	550	36.84	19200	2.8			
43	485	32.66	18500	3.2			
41	515	34.40	18800	2.9			
45	470	31.40	18300	3.3	R	87	D100M4
51	415	27.84	17700	3.7	RF	87	D100M4
60	350	23.40	16800	4.4			
66	320	21.51	16400	4.7			
21	980	65.77	5470	0.85			
24	860	57.68	9540	0.95	R	77	D100M4
27	775	52.07	10300	1.05	RF	77	D100M4
31	685	45.81	11000	1.20			
33	645	43.26	11300	1.25			
38	550	36.83	11800	1.50	R	77	D100M4
42	500	33.48	12100	1.65	RF	77	D100M4
49	430	29.00	12100	1.90			
56	375	25.23	11700	2.1			
60	350	23.37	11400	2.3			
66	320	21.43	11200	2.6			
75	280	18.80	10800	2.8	R	77	D100M4
79	265	17.82	10600	2.9	RF	77	D100M4
90	230	15.60	10200	3.2			
100	210	14.05	9910	3.4			
35	595	39.88	7630	1.00			
38	560	37.50	8020	1.00	R	67	D100M4
44	480	32.27	8750	1.10	RF	67	D100M4
49	430	28.83	9140	1.20			
60	350	23.44	9140	1.60			
71	295	19.89	8760	2.0			
79	270	17.95	8530	2.2			
89	235	15.79	8240	2.4			
95	220	14.91	8110	2.5	R	67	D100M4
111	189	12.70	7760	2.8	RF	67	D100M4
122	172	11.54	7560	2.9			
141	149	10.00	7250	3.2			
162	130	8.70	6960	3.4			
181	116	7.79	6760	3.3			
38	555	37.30	4490	0.80			
40	525	35.07	5110	0.85	R	57	D100M4
47	450	30.18	5030	1.00	RF	57	D100M4
52	400	26.97	4960	1.10			
64	325	21.93	4800	1.40			
76	275	18.16	4660	1.60			
84	250	16.79	4570	1.80			
95	220	14.77	4450	2.0			
101	210	13.95	4390	2.1	R	57	100M4
119	177	11.88	4230	2.3	RF	57	D100M4
131	161	10.79	4140	2.4			
151	139	9.35	4000	2.7			
156	135	9.06	3980	2.8			
177	119	7.97	3850	3.0			
104	205	26.31	4370	2.2			
109	192	24.99	4320	2.3			
124	169	21.93	4190	2.7	R	57	D90L2
147	143	18.60	4020	3.1	RF	57	D90L2
163	129	16.79	3920	3.5			
185	114	14.77	3790	3.8			
196	107	13.95	3740	4.0			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
2.2kW							
73	285	19.27	3550	1.05			
87	240	16.22	3460	1.15			
97	215	14.56	3400	1.20			
112	187	12.54	3310	1.35			
120	185	11.79	3270	1.40			
139	151	10.15	3160	1.50			
155	135	9.07	3090	1.65	R	47	D100M4
176	119	8.01	3000	1.70	RF	47	D100M4
182	116	7.76	2910	1.40			
203	104	6.96	2840	1.55			
235	89	6.00	2740	1.75			
250	84	5.64	2700	1.85			
291	72	4.85	2600	2.1			
325	65	4.34	2530	2.3			
368	57	3.83	2440	2.5			
117	179	23.28	3280	1.70			
125	168	21.81	3230	1.80			
142	148	19.27	3150	2.0			
153	138	17.89	3100	2.1			
168	125	16.22	3030	2.2	R	47	D90L2
187	112	14.56	2950	2.4	RF	47	D90L2
218	97	12.54	2850	2.6			
231	91	11.97	2800	2.7			
269	78	10.15	2700	2.9			
301	70	9.07	2620	3.2			
341	62	8.01	2530	3.3			
90	230	15.60	1070	0.85	R	37	D100M4
106	198	13.25	1660	0.95	RF	37	D100M4
119	176	11.83	1990	1.05			
140	151	10.11	2360	1.15			
149	141	9.47	2480	1.20			
177	119	7.97	2750	1.30			
211	99	6.67	2470	1.45	R	37	D100M4
249	84	5.67	2570	1.70	RF	37	D100M4
279	75	5.06	2500	1.80			
326	64	4.32	2410	1.95			
348	60	4.05	2370	2.0			
414	51	3.41	2270	2.2			
141	149	19.31	2380	1.35	R	37	D90L2
151	139	18.05	2510	1.45	RF	37	D90L2
175	120	15.60	2740	1.65			
206	102	13.25	2720	1.85			
231	91	11.83	2650	2.0			
270	78	10.11	2550	2.2			
288	73	9.47	2510	2.3			
342	61	7.97	2410	2.5	R	37	D90L2
409	51	6.67	2280	2.8	RF	37	D90L2
480	44	5.67	2180	3.3			
540	39	5.06	2120	3.5			
632	33	4.32	2030	3.8			
675	31	4.05	1990	3.9			
801	26	3.41	1900	4.3			
3.0kW							
5.5	4730	253	25800	0.90	R	107	D100L4
6.5	4010	214	31000	1.05	RF	107	D100L4
7.5	3500	187	33200	1.25			
5.5	4870	256	20200	0.90	R	107	D132M8
					RF	107	D132M8
5.9	4840	158.68	21600	0.90	R	107	D132S6
6.6	4320	141.83	29300	1.00	RF	107	D132S6
7.4	3890	127.68	31500	1.10			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
3.0KW							
6.1	4710	229.95	26500	0.90			
6.9	4160	203.16	30200	1.05			
8.1	3530	172.34	33100	1.20			
8.8	3250	158.68	34100	1.30			
9.9	2900	141.83	35300	1.50	R	107	D100L4
11	2610	127.68	36000	1.65	RF	107	D100L4
12	2370	115.63	36300	1.80			
14	2100	102.53	36700	2.0			
15	1900	92.70	36900	2.3			
18	1610	78.57	35900	2.7			
19	1490	72.88	35200	2.9			
9.3	3090	150.78	16200	0.95			
11	2590	126.75	23600	1.15			
12	2380	116.48	24700	1.25			
14	2120	103.44	25900	1.40			
15	1890	92.48	26800	1.60			
17	1700	83.15	27300	1.75			
19	1480	72.17	27700	2.0	R	97	D100L4
21	1330	65.21	27000	2.2	RF	97	D100L4
23	1230	59.92	26400	2.5			
26	1090	53.21	25600	2.8			
29	970	47.58	24800	3.1			
33	880	42.78	24000	3.4			
38	760	37.13	23100	4.0			
42	680	33.25	22400	4.2			
15	1910	93.38	3630	0.80			
17	1680	81.92	16000	0.90	R	87	D100L4
19	1490	72.57	17400	1.05	RF	87	D100L4
22	1300	63.68	18400	1.20			
23	1230	60.35	18800	1.25			
27	1080	52.82	19500	1.45			
29	970	47.58	19900	1.60	R	87	D100L4
34	850	41.74	19400	1.80	RF	87	D100L4
38	755	36.84	18700	2.1			
43	670	32.66	18100	2.3			
50	570	27.88	17400	2.6			
41	705	34.40	18400	2.1			
45	640	31.40	17900	2.4			
50	570	27.84	17400	2.7			
60	480	23.40	16500	3.2	R	87	D100L4
65	440	21.51	16100	3.4	RF	87	D100L4
73	390	19.10	15600	3.7			
82	350	17.08	15100	4.0			
91	315	15.35	14600	4.3			
31	940	45.81	8670	0.85			
32	890	43.26	9270	0.95	R	77	D100L4
38	755	36.83	10500	1.10	RF	77	D100L4
42	685	33.47	11000	1.20			
48	595	29.00	11600	1.40	R	77	D100L4
55	515	25.23	11300	1.50	RF	77	D100L4
60	480	23.37	11100	1.70			
65	440	21.43	10800	1.85			
74	385	18.80	10500	2.0			
79	365	17.82	10300	2.1			
90	320	15.60	9980	2.3			
100	290	14.05	9700	2.5	R	77	D100L4
114	250	12.33	9350	2.7	RF	77	D100L4
129	225	10.88	9090	3.0			
145	197	9.64	8720	3.2			
163	176	8.59	8500	3.6			
181	158	7.74	8240	3.8			
206	139	6.79	7920	4.2			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
3.0KW							
60	480	23.44	8730	1.15			
70	405	19.89	8420	1.45			
78	365	17.95	8230	1.60	R	67	D100L4
89	325	15.79	7980	1.75	RF	67	D100L4
94	305	14.91	7860	1.80			
110	260	12.70	7550	2.0			
121	235	11.54	7360	2.1			
140	205	10.00	7090	2.3			
52	550	26.97	4330	0.80	R	57	D100L4
					RF	57	D100L4
64	450	21.93	4380	1.00			
75	380	18.60	4300	1.20	R	57	D100L4
83	345	16.79	4250	1.30	RF	57	D100L4
95	300	14.77	4160	1.45			
100	285	13.95	4130	1.50			
118	245	11.88	4010	1.65			
130	220	10.79	3940	1.75			
150	191	9.35	3820	1.95			
155	185	9.06	3810	2.0	R	57	D100L4
176	163	7.97	3700	2.2	RF	57	D100L4
186	154	7.53	3650	2.3			
218	131	6.41	3520	2.6			
240	119	5.82	3430	2.7			
277	103	5.05	3310	3.0			
319	90	4.39	3190	3.1			
128	225	21.93	3950	2.0			
151	190	18.60	3820	2.4			
167	170	16.79	3730	2.6	R	57	D100M2
190	151	14.77	3620	2.9	RF	57	D100M2
201	143	13.95	3570	3.0			
236	122	11.88	3440	3.3			
259	110	10.79	3360	3.5			
86	330	16.22	2030	0.85	R	47	D100L4
96	300	14.56	2500	0.90	RF	47	D100L4
112	255	12.54	3040	0.95			
119	240	11.79	3040	1.00			
138	210	10.15	2970	1.10			
154	186	9.07	2910	1.20			
175	164	8.01	2840	1.25			
181	159	7.76	2740	1.05	R	47	D100L4
201	143	6.96	2680	1.10	RF	47	D100L4
233	123	6.00	2610	1.25			
248	115	5.64	2580	1.35			
288	99	4.85	2490	1.50			
323	89	4.34	2430	1.65			
365	78	3.83	2360	1.85			
237	121	11.79	2670	2.0			
270	104	10.15	2580	2.2			
309	93	9.07	2510	2.4			
349	82	8.01	2430	2.5			
361	79	7.76	2370	2.1	R	47	D100M2
402	71	6.96	2310	2.2	RF	47	D100M2
467	61	6.00	2220	2.5			
496	58	5.64	2190	2.7			
577	50	4.85	2100	3.0			
646	44	4.34	2040	3.3			
731	39	3.83	1970	3.7			
139	205	10.11	780	0.80	R	37	D100L4
148	194	9.47	1010	0.85	RF	37	D100L4
176	163	7.97	1510	0.95			
210	137	6.67	1250	1.05			
247	116	5.67	1630	1.25			
277	104	5.06	1830	1.30	R	37	D100L4
324	88	4.32	2070	1.45	RF	37	D100L4
346	83	4.05	2140	1.45			
411	70	3.41	2180	1.60			

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
3.0KW							
277	103	10.11	2340	1.65			
296	97	9.47	2380	1.70			
351	82	7.97	2290	1.90	R	37	D100M2
420	68	6.67	2170	2.1	RF	37	D100M2
494	58	5.67	2090	2.5			
553	52	5.06	2030	2.6			
648	44	4.32	1950	2.8			
692	41	4.05	1920	3.0			
821	35	3.41	1840	3.2			
7.6	4620	187	27600	0.95	R	107 R77	D112M4
					RF	107 R77	D112M4
7.3	4840	193	21400	0.90	R	107 R77	D112M4
8.2	4330	172	29300	1.00	RF	107 R77	D112M4
8.2	4640	172.34	27500	0.95			
8.9	4270	158.68	29600	1.05			
10	3820	141.83	31900	1.15			
11	3430	127.68	33400	1.25			
12	3110	115.63	34600	1.40			
14	2760	102.53	35700	1.55	R	107	D112M4
15	2490	92.70	36200	1.70	RF	107	D112M4
18	2110	78.57	34900	2.0			
19	1960	72.88	34200	2.2			
22	1760	65.60	33200	2.4			
24	1600	59.41	32300	2.7			
27	1420	52.68	31300	3.0			
12	3130	116.48	13800	0.95			
14	2780	103.44	22400	1.10			
15	2490	92.48	24100	1.20			
17	2240	83.15	25400	1.35			
20	1940	72.17	26600	1.55			
22	1750	65.21	26000	1.70	R	97	D112M4
24	1610	59.92	25500	1.85	RF	97	D112M4
27	1430	53.21	24700	2.1			
30	1280	47.58	24000	2.3			
33	1150	42.78	23400	2.6			
38	1000	37.13	22500	3.0			
43	890	33.25	21800	3.2			
44	860	32.05	21600	3.0			
52	730	27.19	20600	3.5	R	97	D112M4
57	675	25.03	20100	4.2	RF	97	D112M4
63	600	22.37	19500	4.5			
71	540	20.14	18900	4.8			
4.0kw							
7.7	4630	187	27500	0.95	R	107R77DRS112M4	
					RF	107R77DRS112M4	
					RM	107R77DRS112M4	
7.4	4840	193	21400	0.90	R	107R77DRS112M4	
8.3	4330	172	29300	1.00	RF	107R77DRS112M4	
					RM	107R77DRS112M4	

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_2 [N・m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model
4.0kw					
8.3					
9.0	4590	172.34	27800	0.95	
10	4220	158.68	29900	1.00	
	3780	141.83	32000	1.15	
11	3400	127.68	33600	1.25	
12	3080	115.63	34700	1.40	R 107 DRS112M4
14	2730	102.53	35800	1.60	RF 107 DRS112M4
15	2470	92.70	36200	1.75	RM 107 DRS112M4
18	2090	78.57	34800	2.1	
20	1940	72.88	34100	2.2	
22	1750	65.60	33100	2.5	
24	1580	59.41	32200	2.7	
27	1400	52.68	31200	3.1	
12	3100	116.48	15500	0.95	
14	2750	103.44	22600	1.10	
16	2460	92.48	24300	1.25	
17	2210	83.15	25500	1.35	
20	1920	72.17	26600	1.55	
22	1740	65.21	26000	1.75	
24	1600	59.92	25400	1.90	
27	1420	53.21	24700	2.1	R 97 DRS112M4
30	1270	47.58	24000	2.4	RF 97 DRS112M4
34	1140	42.78	23300	2.6	RM 97 DRS112M4
39	990	37.13	22400	3.1	
43	880	33.25	21800	3.3	
45	850	32.05	21500	3.0	
53	725	27.19	20600	3.5	
57	665	25.03	20100	4.3	
64	595	22.37	19400	4.6	
71	535	20.14	18800	4.9	
22	1710	63.68	13300	0.90	R 87 D112M4
24	1620	60.35	13900	0.95	RF 87 D112M4
27	1420	52.82	15200	1.10	
30	1280	47.58	16000	1.20	
34	1120	41.74	16800	1.40	R 87 D112M4
39	990	36.84	17400	1.55	RF 87 D112M4
43	880	32.66	17500	1.75	
51	750	27.88	16800	2.0	
41	930	34.40	17600	1.60	
45	840	31.40	17400	1.85	R 87 D112M4
51	750	27.84	16800	2.1	RF 87 D112M4
61	630	23.40	16100	2.5	
66	580	21.51	15700	2.6	
74	515	19.10	15200	2.8	
83	460	17.08	14700	3.0	R 87 D112M4
92	415	15.35	14300	3.2	RF 87 D112M4
107	360	13.33	13700	3.6	
119	320	11.93	13300	3.8	
39	990	36.83	4070	0.85	
42	900	33.47	9100	0.90	R 77 D112M4
49	780	29.00	10300	1.05	RF 77 D112M4
56	680	25.23	10800	1.15	
61	630	23.37	10600	1.30	
66	575	21.43	10400	1.40	
76	505	18.80	10100	1.55	
80	480	17.82	9950	1.65	
91	420	15.60	9630	1.75	
101	380	14.05	9380	1.90	
115	330	12.33	9070	2.1	R 77 D112M4
131	295	10.88	8780	2.3	RF 77 D112M4
147	260	9.64	8500	2.4	
165	230	8.59	8320	2.7	
183	210	7.74	8070	2.9	
209	183	6.79	7770	3.2	
237	161	5.99	7490	3.3	
267	143	5.31	7230	3.6	

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_2 [N・m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model
4.0kw					
71	535	19.89	7960	1.10	
79	485	17.95	7800	1.20	
90	425	15.79	7600	1.30	
95	400	14.91	7510	1.35	
112	340	12.70	7240	1.50	
123	310	11.54	7080	1.60	
142	270	10.00	6840	1.75	R 67 D112M4
163	235	8.70	6600	1.90	RF 67 D112M4
182	210	7.79	6440	1.80	
193	198	7.36	6340	1.85	
227	169	6.27	6070	1.95	
249	153	5.70	5920	2.0	
288	133	4.93	5680	2.2	
331	116	4.29	5460	2.3	
76	500	18.60	3520	0.90	R 57 D112M4
85	450	16.79	3830	1.00	RF 57 D112M4
96	395	14.77	3800	1.10	
102	375	13.95	3780	1.15	
120	320	11.88	3710	1.25	
132	290	10.79	3660	1.35	
152	250	9.35	3580	1.45	
157	245	9.06	3590	1.55	R 57 D112M4
178	215	7.97	3500	1.65	RF 57 D112M4
189	205	7.53	3470	1.75	
222	172	6.41	3350	1.95	
244	157	5.82	3280	2.0	
284	136	5.05	3180	2.2	
323	118	4.39	3070	2.4	
140	275	10.15	1960	0.85	
157	245	9.07	2350	0.90	
177	215	8.01	2640	0.95	
204	187	6.96	2480	0.85	R 47 D112M4
237	161	6.00	2430	0.95	RF 47 D112M4
252	152	5.64	2410	1.00	
293	131	4.85	2350	1.15	
327	117	4.34	2300	1.25	
371	103	3.83	2250	1.40	
176	215	16.22	2640	1.25	
196	195	14.56	2600	1.35	
228	168	12.54	2540	1.50	
242	158	11.79	2510	1.55	
282	136	10.15	2440	1.70	
315	121	9.07	2390	1.80	
357	107	8.01	2320	1.90	R 47 D112M2
369	104	7.76	2250	1.55	RF 47 D112M2
411	93	6.96	2200	1.70	
477	80	6.00	2130	1.95	
507	75	5.64	2100	2.1	
589	65	4.85	2020	2.3	
660	58	4.34	1970	2.5	
746	51	3.83	1910	2.8	
5.5kw					
11	4690	127.68	27100	0.90	
12	4250	115.63	29800	1.00	
14	3770	102.53	32100	1.15	
15	3400	92.70	33500	1.25	
18	2980	78.57	33500	1.50	
20	2680	72.88	32900	1.60	R 107 D132S4
22	2410	65.60	32100	1.80	RF 107 D132S4
24	2180	59.41	31300	1.95	
27	1930	52.68	30300	2.2	
30	1750	47.63	29500	2.5	
35	1480	40.37	28200	2.9	
17	3050	83.15	17600	1.00	
20	2650	72.17	21800	1.15	
22	2390	65.21	24600	1.25	
24	2200	59.92	24200	1.35	
27	1950	53.21	23600	1.55	R 97 D132S4
30	1750	47.58	23000	1.70	RF 97 D132S4
33	1570	42.78	22500	1.90	
39	1360	37.13	21700	2.2	
43	1220	33.25	21100	2.4	
52	1010	27.58	20100	2.6	
45	1180	32.05	20900	2.2	
53	1000	27.19	20000	2.6	
57	920	25.03	19600	3.1	R 97 D132S4
64	820	22.37	19000	3.3	RF 97 D132S4
71	740	20.14	18400	3.5	
78	670	18.24	17900	3.7	
88	595	16.17	17300	4.0	

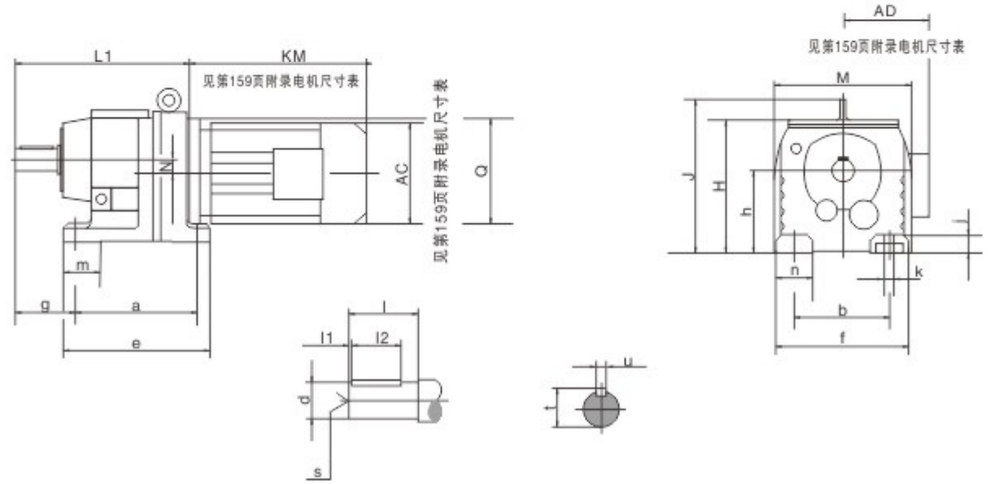
输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_2 [N・m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model
5.5kw					
30	1750	47.58	15400	0.90	
34	1530	41.74	17000	1.00	R 87 D132S4
39	1350	36.84	17200	1.15	RF 87 D132S4
44	1200	32.66	16700	1.30	
51	1020	27.88	16100	1.45	
51	1020	27.84	16100	1.50	
61	860	23.40	15500	1.80	
66	790	21.51	15200	1.90	
75	700	19.10	14700	2.0	
84	625	17.08	14300	2.2	
93	565	15.35	13900	2.4	R 87 D132S4
107	490	13.33	13400	2.6	RF 87 D132S4
120	440	11.93	13000	2.8	
144	365	9.90	12300	3.2	
156	335	9.14	12200	3.6	
174	300	8.22	11800	3.8	
200	260	7.13	11300	4.1	
76	690	18.80	9240	1.15	R 77 D132S4
80	655	17.82	9400	1.20	RF 77 D132S4
92	575	15.60	9150	1.30	
102	515	14.05	8950	1.40	
116	455	12.33	8690	1.50	
131	400	10.88	8440	1.65	
148	355	9.64	8190	1.80	R 77 D132S4
166	315	8.59	8080	2.0	RF 77 D132S4
185	285	7.74	7860	2.2	
211	250	6.79	7580	2.3	
239	220	5.99	7320	2.5	
269	195	5.31	7070	2.6	
91	580	15.79	6610	0.95	
96	550	14.91	6900	1.00	
113	465	12.70	6810	1.10	
124	425	11.54	6690	1.20	
143	365	10.00	6500	1.30	
164	320	8.70	6310	1.40	R 67 D132S4
183	285	7.79	6180	1.35	RF 67 D132S4
194	270	7.36	6100	1.35	
228	230	6.27	5860	1.45	
251	210	5.70	5720	1.50	
290	181	4.93	5510	1.60	
333	158	4.29	5310	1.70	
331	159	8.70	5300	2.8	
369	142	7.79	5160	2.7	
391	134	7.36	5080	2.8	R 67 D132S2
460	114	6.27	4860	2.9	RF 67 D132S2
506	104	5.70	4730	3.0	
584	90	4.93	4540	3.2	
671	78	4.29	4350	3.5	
97	545	14.77	1730	0.80	
103	510	13.95	2070	0.85	R 57 D132S4
120	435	11.88	2900	0.95	RF 57 D132S4
132	395	10.79	3270	1.00	
153	345	9.35	3240	1.10	
179	295	7.97	3220	1.20	
190	275	7.53	3200	1.25	R 57 D132S4
223	235	6.41	3120	1.40	RF 57 D132S4
246	215	5.82	3080	1.50	
283	185	5.05	3000	1.65	
326	161	4.39	2920	1.75	
308	171	9.35	2930	2.2	
361	145	7.97	2850	2.4	
383	137	7.53	2820	2.5	R 57 D132S2
449	117	6.41	2720	2.9	RF 57 D132S2
494	106	5.82	2660	3.0	
571	92	5.05	2560	3.3	
656	80	4.39	2470	3.5	
295	178	4.85	1870	0.85	R 47 D132S4
330	159	4.34	2110	0.90	RF 47 D132S4
373	141	3.83	2080	1.00	
230	230	12.54	1730	1.10	
244	215	11.79	1910	1.15	
284	185	10.15	2250	1.25	
318	165	9.07	2220	1.35	
359	146	8.01	2170	1.40	R 47 D132S2
480	109	6.00	2000	1.45	RF 47 D132S2
511	103	5.64	1970	1.50	
593	89	4.85	1920	1.70	
664	79	4.34	1870	1.85	
752	70	3.83	1820	2.1	

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_2 [N・m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model
7.5kW					
15	4640	92.70	27500	0.95	
18	3940	78.57	31300	1.10	
20	3650	72.88	31300	1.20	
22	3290	65.60	30600	1.30	
24	2980	59.41	30000	1.45	R 107 D132M4
27	2640	52.68	29200	1.65	RF 107 D132M4
30	2390	47.63	28500	1.80	
35	2020	40.37	27300	2.1	
41	1770	35.26	26400	2.4	
48	1480	29.49	25200	2.9	
46	1540	30.77	25500	2.8	
52	1380	27.58	24700	3.1	R 107 D132M4
57	1250	24.90	24100	3.5	RF 107 D132M4
63	1130	22.62	23400	3.8	
24	3000	59.92	19700	1.00	
27	2670	53.21	22200	1.15	R 97 D132M4
30	2380	47.58	21800	1.25	RF 97 D132M4
33	2140	42.78	21300	1.40	
39	1860	37.13	20700	1.60	
43	1670	33.25	20200	1.75	R 97 D132M4
52	1380	27.58	19400	1.95	RF 97 D132M4
45	1610	32.05	20000	1.60	
53	1360	27.19	19300	1.90	
57	1250	25.03	18900	2.3	R 97 D132M4
64	1120	22.37	18400	2.4	RF 97 D132M4
71	1010	20.14	17900	2.6	
78	910	18.24	17500	2.7	
39	1840	36.84	11500	0.85	R 87 D132M4
44	1640	32.66	15700	0.95	RF 87 D132M4
51	1400	27.88	15200	1.05	
51	1390	27.84	15200	1.10	
61	1170	23.40	14700	1.30	
66	1080	21.51	14500	1.40	
75	960	19.10	14100	1.50	
84	860	17.08	13700	1.65	
93	770	15.35	12500	1.75	
107	670	13.33	12900	1.90	R 87 D132M4
120	600	11.93	12600	2.1	RF 87 D132M4
144	495	9.90	12000	2.4	
156	460	9.14	11900	2.6	
174	410	8.22	11600	2.8	
200	355	7.13	11100	3.0	
224	320	6.39	10800	3.2	
270	265	5.30	10200	3.4	
76	940	18.80	5310	0.85	
80	890	17.82	5720	0.85	
92	780	15.60	6610	0.95	
102	705	14.05	7180	1.00	
116	615	12.33	7750	1.10	
131	545	10.88	8010	1.20	R 77 D132M4
148	485	9.64	7810	1.30	RF 77 D132M4
166	430	8.59	7620	1.45	
185	390	7.74	7590	1.55	
211	340	6.79	7340	1.70	
239	300	5.99	7110	1.80	
269	265	5.31	6890	1.90	
113	635	12.70	4240	0.80	
124	580	11.54	4860	0.85	
143	500	10.00	5620	0.95	
164	435	8.70	5930	1.00	
183	390	7.79	5500	0.95	R 67 D132M4
194	370	7.36	5720	1.00	RF 67 D132M4
228	315	6.27	5600	1.05	
251	285	5.70	5480	1.10	
290	245	4.93	5300	1.15	
333	215	4.29	5130	1.25	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
7.5kW							
179	400	7.97	980	0.90			
190	375	7.53	1280	0.95			
223	320	6.41	2020	1.05	R	57	D132M4
246	290	5.82	2380	1.10	RF	57	D132M4
283	255	5.05	2760	1.20			
326	220	4.39	2710	1.25			
296	365	14.77	2580	1.20			
208	345	13.95	2780	1.25			
244	295	11.88	2780	1.40			
269	265	10.79	2750	1.45			
310	230	9.35	2710	1.60	R	57	D132M2
364	197	7.97	2670	1.80	RF	57	D132M2
385	186	7.53	2640	1.90			
452	158	6.41	2570	2.1			
498	144	5.82	2520	2.2			
575	125	5.05	2440	2.5			
660	108	4.39	2370	2.6			
11.0kW							
22	4790	65.60	23700	0.90			
24	4330	59.41	27600	1.00			
27	3840	52.68	27100	1.10	R	107	D160M4
30	3470	47.63	26600	1.25	RF	107	D160M4
36	2940	40.37	25700	1.45			
41	2570	35.26	25000	1.65			
49	2150	29.49	24000	2.0			
47	2240	30.77	24200	1.90			
52	2010	27.58	23600	2.1			
58	1820	24.90	23100	2.4	R	107	D160M4
64	1650	22.62	22500	2.6	RF	107	D160M4
72	1460	20.07	21800	2.9			
79	1330	18.21	21300	3.2			
34	3120	42.78	14500	0.95			
39	2710	37.13	18900	1.10	R	97	D160M4
43	2430	33.25	18600	1.20	RF	97	D160M4
52	2010	27.58	18000	1.35			
58	1830	25.03	17700	1.55	R	97	D160M4
64	1630	22.37	17300	1.65	RF	97	D160M4
71	1470	20.14	16900	1.80			
79	1330	18.24	16600	1.90			
89	1180	16.17	16100	2.0			
98	1070	14.62	15700	2.2			
116	900	12.39	15100	2.4	R	97	D160M4
133	790	10.83	14600	2.7	RF	97	D160M4
155	675	9.29	14300	3.0			
172	610	8.39	13900	3.3			
202	520	7.12	13200	3.8			
232	455	6.21	12700	4.2			
67	1570	21.51	13200	0.95	R	87	D160M4
75	1390	19.10	13000	1.05	RF	87	D160M4
84	1250	17.08	12800	1.10			
94	1120	15.35	12500	1.20			
108	970	13.33	12200	1.30			
121	870	11.93	11900	1.40			
145	720	9.90	11400	1.65	R	87	D160M4
158	665	9.14	11500	1.80	RF	87	D160M4
175	600	8.22	11200	1.95			
202	520	7.13	10800	2.1			
225	465	6.39	10400	2.2			
272	385	5.30	9910	2.3			
132	795	10.88	4250	0.85	R	77	D160M4
149	705	9.64	5000	0.90	RF	77	D160M4
186	565	7.74	4630	1.10			
212	495	6.79	5250	1.15	R	77	D160M4
240	435	5.99	5720	1.25	RF	77	D160M4
271	390	5.31	6090	1.30			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model		
15.0kW							
31	4670	47.63	24500	0.90			
36	3960	40.37	23900	1.10	R	107	D160L4
41	3460	35.26	23400	1.25	RF	107	D160L4
50	2890	29.49	22600	1.50			
47	3020	30.77	22800	1.40			
53	2710	27.58	22400	1.60			
59	2440	24.90	21900	1.75			
65	2220	22.62	21400	1.95	R	107	D160L4
73	1970	20.07	20900	2.2	RF	107	D160L4
80	1790	18.21	20400	2.4			
93	1540	15.65	19700	2.8			
107	1340	13.66	19000	3.2			
53	2710	27.58	16500	1.00	R	97	D160L4
					RF	97	D160L4
58	2460	25.03	16300	1.15			
65	2200	22.37	16100	1.25			
72	1980	20.14	15800	1.30			
80	1790	18.24	15600	1.40			
90	1590	16.17	15200	1.50			
100	1430	14.62	14900	1.60	R	97	D160L4
118	1220	12.39	14400	1.80	RF	97	D160L4
135	1060	10.83	14000	1.95			
157	910	9.29	13800	2.2			
174	820	8.39	13400	2.5			
205	700	7.12	12800	2.9			
235	610	6.21	12400	3.1			
85	1680	17.08	11600	0.85			
95	1510	15.35	11500	0.90	R	87	D160L4
110	1310	13.33	11300	1.00	RF	87	D160L4
122	1170	11.93	11100	1.05			
147	970	9.90	10700	1.20			
160	900	9.14	11000	1.35			
178	810	8.22	10700	1.45	R	87	D160L4
205	700	7.13	10300	1.55	RF	87	D160L4
229	625	6.39	10100	1.65			
275	520	5.30	96000	1.75			
18.5kW							
36	4870	40.37	20200	0.90	R	107	D180M4
42	4250	35.26	22000	1.00	RF	107	D180M4
50	3560	29.49	21500	1.20			
59	3000	24.90	20900	1.45			
65	2730	22.62	20600	1.60			
73	2420	20.07	20100	1.80			
80	2200	18.21	19700	1.95			
94	1890	15.65	19100	2.3	R	107	D180M4
107	1650	13.66	18500	2.6	RF	107	D180M4
126	1400	11.59	17800	3.1			
145	1220	10.13	17200	3.5			
186	950	7.86	16300	3.1			
220	800	6.66	15600	3.7			
73	2430	20.14	14900	1.05			
80	2200	18.24	14700	1.15			
91	1950	16.17	14500	1.25			
100	1760	14.62	14200	1.30			
118	1490	12.39	13800	1.45			
135	1310	10.83	13500	1.60	R	97	D180M4
158	1120	9.29	13400	1.80	RF	97	D180M4
175	1010	8.39	13100	2.0			
206	860	7.12	12600	2.3			
236	750	6.21	12100	2.5			
282	625	5.20	11600	2.8			
326	545	4.50	11100	3.0			
110	1610	13.33	10600	0.80			
123	1440	11.93	10400	0.85			
148	1190	9.90	10200	1.00			
160	1100	9.14	10600	1.10	R	87	D180M4
178	990	8.22	10300	1.15	RF	87	D180M4
205	860	7.13	10000	1.25			
229	770	6.39	9770	1.30			
276	640	5.30	9350	1.40			

R37..~R107..

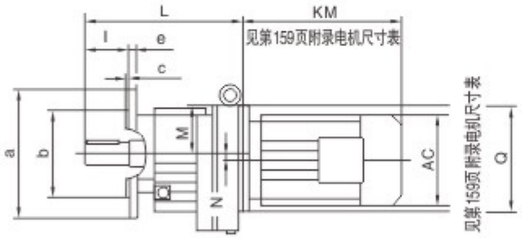


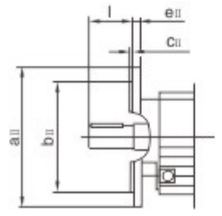
型号 size	a b	e f	g	h	j	k	m n	轴伸尺寸 Shaft dimension				
								d	l	l_1 l_2	s	t u
R37..	130 110	160 145	75	90-0.5	18	9	40 35	25k6	50	3.5 40	M10	28 8
R47..	165 135	195 170	90	115-0.5	24	13.5	50 42	30k6	60	3.5 50	M10	33 8
R57..	165 135	200 190	100	115-0.5	24	13.5	60 55	35k6	70	7 56	M12	38 10
R67..	195 150	235 210	100	130-0.5	30	14	60 60	35k6	70	7 56	M12	38 10
R77..	205 170	245 230	115	140-0.5	30	17.5	60 60	40k6	80	5 70	M16	43 12
R87..	260 215	310 290	140	180-0.5	45	17.5	90 75	50k6	100	10 80	M16	53.5 14

型号 size	法兰尺寸 flange dimension					H	J	L_1	L_2	M	N	Q
	P q	l_3	l_4	L_5 l_6	V w							
R37..	120 80j6	50	81	3 8	6.6 100	151	/	201	207	145	10.1	120
R47..	140 95j6	60	90	3 10	9 115	187	/	235	235	178	14	160
R57..	160 110j6	70	100	3.5 10	9 130	187	/	257	257	202	11.2	160
R67..	200 130j6	70	100	3.5 12	11 165	212	243	280	280	215	20.7	160
R77..	250 180j6	85	115	4 15	13.5 215	228	269	300	300	235	15.9	200
R87..	300 230j6	100	140	4 16	13.5 265	295	345	372	372	297	12.6	250

型号 size	a b	e f	g	h	j	k	m n	轴伸尺寸 Shaft dimension					H	J	L M	N	Q
								d	l	l_1 l_2	s	t u					
R97..	310 250	365 340	160	225-0.5	55	22	100 90	60m6	120	5 110	M20	64 18	368	418	440 348	10.2	300
R107..	370 290	440 400	185	250-0.5	65	26	125 110	70m6	140	7.5 125	M20	74.5 20	408	475	495 409	20.4	350

RF37..~RF107..

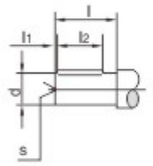


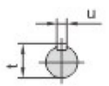


Flg.1

Flg.2

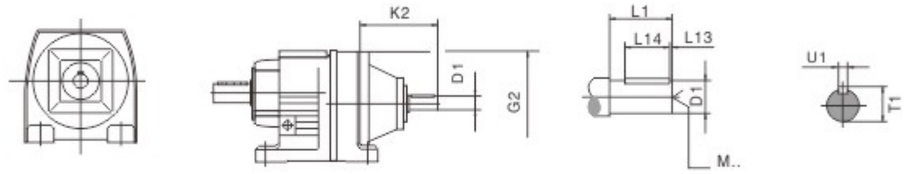
法兰型式
Flange form





型号 size	dimension 法兰 尺寸 flange	a a II a III	b b II b III	c c II c III	e e II e III	f f II f III	g g II g III	H J K	L M N	Q	轴伸尺寸 Shaftdimension				
											d	l	l_1 l_2	s	t u
RF37..	Flg.1	120 160 200	80j6 110j6 130j6	3 3.5 3.5	8 10 12	100 130 165	6.6 9 11	94 161 /	207 61 10.1	120	25k6	50	3.5 40	M10	28 8
RF47..	Flg.1	140 160 200	95j6 110j6 130j6	3 3.5 3.5	10 10 12	115 130 165	9 9 11	118 178 /	235 72 14	160	30k6	60	3.5 50	M10	33 8
RF57..	Flg.1	160 200 250	110j6 130j6 180j6	3.5 3.5 4	10 12 15	130 165 215	9 9 13.5	121 202 /	257 72 11.2	160	35k6	70	7 56	M12	38 10
RF67..	Flg.1	200 250 /	130j6 180j6 /	3.5 4 /	12 15 /	165 215 /	11 13.5 /	134 215 113	280 82 20.7	160	35k6	70	7 56	M12	38 10
RF77..	Flg.1	250 300 /	180j6 230j6 /	4 4 /	15 18.5 /	215 265 /	13.5 13.5 /	144 235 129	300 88 15.9	200	40k6	80	5 70	M16	43 12
RF87..	Flg.1	300 350 /	230j6 250h6 /	4 5 /	16 18 /	265 300 /	13.5 17.5 /	184 297 165	372 115 12.6	250	50k6	100	10 80	M16	53.5 14
RF97..	Flg.1 Flg.2 /	350 450 /	250h6 350h6 /	5 5 /	18 22 /	300 400 /	17.5 17.5 /	230 348 193	440 144 10.2	300	60m6	120	5 110	M20	64 18
RF107..	Flg.1 Flg.2 /	350 450 /	250h6 350h6 /	5 5 /	20 22 /	300 400 /	17.5 17.5 /	255 409 224	495 158 20.4	350	70m6	140	7.5 125	M20	74.5 20

R..AD..



		G2	K2	D1	L1	L13	L14	T1	J1	M
R..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
R..47 R..57 R..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
R..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
R..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
R..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16
R..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
	AD6		321	48	110	10	80	51.5	14	M16

Fig.1

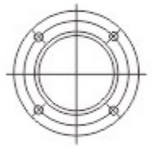
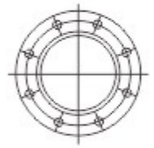


Fig.2



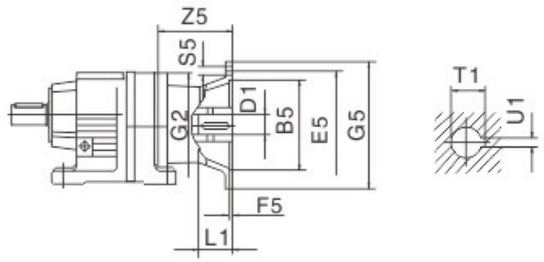


		Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
R..37	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71[1]		110	130			160			14	30	16.3	5
	AM80[1]		130	165	4.5		200	M10	106	19	40	21.8	6
	AM90[1]									24	50	27.3	8
R..47 R..57 R..67	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	99	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1]		180	215	5		250	M12	134	28	60	31.3	8
	AM112[1]												
R..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	92	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1]		180	215	5		250	M12	126	28	60	31.3	8
	AM112[1]												
	AM132S[1]		230	265	5		300		179	38	80	41.3	10
	AM132M[1]												
	AM132ML[1]												
R..87	AM80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100		180	215	5		250	M12	121	28	60	31.3	8
	AM112												
	AM132S		230	265			300		174	38	80	41.3	10
	AM132M												
	AM132ML												
	AN160[1]		250	300	6		350	M16	232	42	110	45.3	12
	AM180[1]									48		51.8	14
R..97	AM100	1	180	215	5	300	250	M12	116	28	60	31.3	8
	AM112												
	AM132S		230	265	5		300		169	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350	M16	227	42	110	45.3	12
	AM180									48		51.8	14

Fig.1

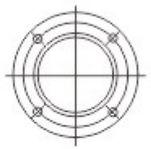
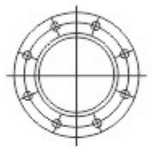


Fig.2



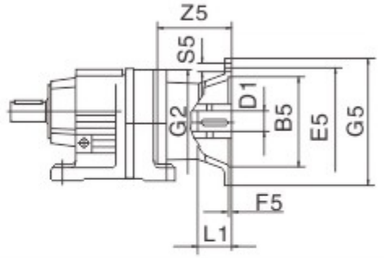
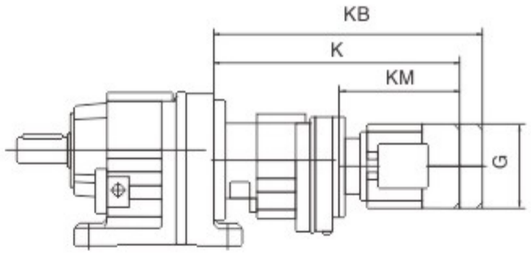


		Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
R..107	Am100	1	180	215	5	350	250	M12	110	28	60	31.3	8
	AM112												
	AM132S		230	265			300		163	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160			300	6		350	M16	221	42	110	45.3	12
	AM180									48		51.8	14

1) 如果安装在R系列脚安装方式的减速机上，请检查尺寸G5/2，它可能已突出平面
Dimension G5/2 May protrude past foot mounting surface if mounted on s foot-mounted gear unit, please check.

R..R..



		G	K	KB	KM
R..47R37 R..57R37 R..67R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
R..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
R..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	155	495	559	279
	D90..	210	495	580	279
R..97R57	D63..	155	440	497	229
	D71D	155	440	504	229
	D80..	155	490	554	279

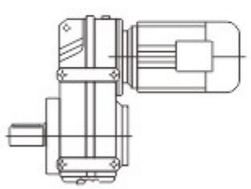
		G	K	KB	KM
R..97R57	D90..	210	490	575	279
	D100M	210	540	625	329
	D100L	210	560	645	349
R..107R77	D63..	155	470	527	223
	D71D	155	470	534	223
	D90..	155	520	584	273
	D90..	210	518	603	271
	D100M	210	568	653	321
	D100L	210	588	673	341
	D112M	240	602	682	355
	D132S	240	647	727	400
	D132M	285	699	811	452
	D132ML	285	719	831	472
	D160M	330	749	861	502

注：上表中电机尺寸为参考尺寸，因空间限制对电机尺寸有严格要求时，向我公司咨询。
Motor size in the table as a reference size, due to space limitations have strict requirements on the motor size, to consult with my company.

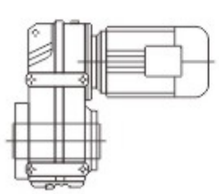
6.F系列平行轴—斜齿轮减速机
F Parallel shaft–Helical Geared Motor

6.1 设计方案
6.1 Versions of geared motors

平行轴装式斜齿轮减速电机有以下设计方案：
The following types of Parallel Shaft–Helical Geared Motor can be supplied:

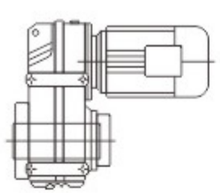


F..D..
底脚安装平行轴斜齿轮减速电机
Solid shaft
Rall mount with tapped holes

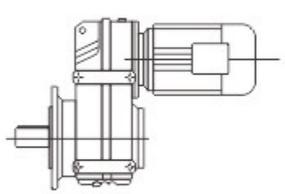


FA..B D..
底脚空心轴安装平行轴斜齿轮减速电机
Hollow shaft With key
Rall mount with tapped holes

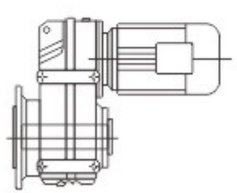
FV..B D..
底脚花键空心轴安装平行轴斜齿轮减速电机
Aplined hollow shaft
Rall mount with tapped holes



FH..B D..
底脚空心轴锁紧盘安装平行轴斜齿轮减速电机
Shrink disk hollow shaft
Rall mount with tapped holes

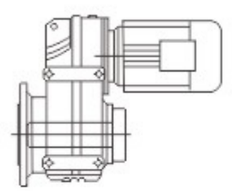


FF..D..
B5 法兰安装平行轴斜齿轮减速电机
Solid shaft
Flange mounted(D & B5 style flange with tapped holes)

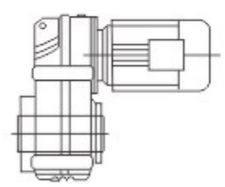


FAF..D..
B5 法兰空心轴安装平行轴斜齿轮减速电机
Hollow shaft with key
Flange mounted(D & B5 style flange with tapped holes)

FVF..D..
B5 法兰花键空心轴安装平行轴斜齿轮减速电机
Hollow shaft with key
Flange mounted(D & B5 style flange with tapped holes)

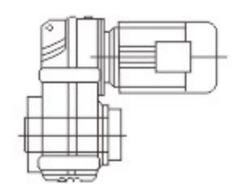


FHF..D..
B5法兰空心轴锁紧盘安装平行轴斜齿轮减速电机
Shrink disk hollow shaft
Flange mount(D & B5 style flange with through holes)

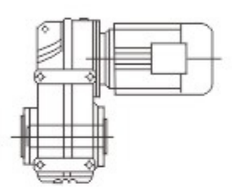


FA..D..
空心轴安装平行轴斜齿轮减速电机
Hollow shaft with key
Shaft mount

FV..D..
花键空心轴安装平行轴斜齿轮减速电机
Splined hollow shaft
Shaft mount

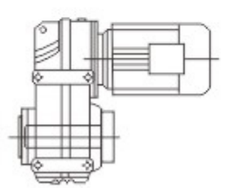


FH..D..
空心轴锁紧盘安装平行轴斜齿轮减速机
Shrink disk hollow shaft
Shaft mount



FAZ..D..
B14法兰空心轴安装平行轴斜齿轮减速电机
Hollow shaft with key
Face mount(C & B14 sytle flange with tapped holes)

FVZ..D..
B14法兰花键空心轴安装平行轴斜齿轮减速电机
Hollow shaft with key
Face mount(C & B14 sytle flange with tapped holes)



FHZ..D..
B14法兰空心轴锁紧盘安装平行轴斜齿轮减速电机
Shrink disk hollow shaft
Face mount(C & B14 style flange with tapped holes)

6.2 可行的组合方式
6.2 Type of Combination

以下是平行轴斜齿轮减速机与交流(带制动)电机的组合列表。表中给出了每种组合的速比范围。
The below is combination table between gear box and electro motor in each list the ratio range.

减速器型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
F/FF/FA/FAF37	2	4.22–7.44 8.97–23.63	3.77–23.63	3.77–20.57	3.77–6.74 8.01–14.33 17.03			
F/FF/FA/FAF37	3	23.88–128.51	23.88–100.36	23.88–51.70 58.32–86.53	23.88–31.69 38.31 51.70 58.32 70.50			
F/FF/FA/FAF47	2	6.34–8.96 13.93–30.86	4.99–30.86	4.99–30.86	4.99–25.72			
F/FF/FA/FAF47	3	28.88–190.76	28.88–150.06	28.88–130.07	28.88–56.49 68.09–105.09			
F/FF/FA/FAF57	2	6.58–9.31 13.52–40.13	5.18–34.24	5.18–29.94	5.18–24.96	5.18–21.17		
F/FF/FA/FAF57	3	30.15–199.70	30.15–157.09	30.15–136.16	30.15–58.97 83.46–110.01	30.15–50.10 83.46–93.47		
F/FF/FA/FAF67	2	7.53–9.08 18.29–36.30	5.95–9.08 14.46–36.30	3.97–36.30	3.97–32.08	3.97–27.41	3.97–22.05	3.97–22.05
F/FF/FA/FAF67	3	43.20–228.99	34.01–195.39	34.01–170.85	34.01–142.40	34.01–67.65 90.59–120.79	34.01–53.73 90.59–95.94	34.01–53.73 90.59–95.94
F/FF/FA/FAF77	2	21.43–36.58	8.26–9.30 17.49–36.58	5.76–9.30 12.20–36.58	4.28–36.58	4.28–31.51	4.28–25.50	4.28–25.50
F/FF/FA/FAF77	3	48.37–72.50 94.93–281.71	38.23–225.79	25.54–198.31	25.54–166.47	25.54–142.27	25.54–58.32 75.02–114.45	25.54–58.32 75.02–114.45
F/FF/FA/FAF87	2		23.68–33.92	7.35–8.29 17.12–33.92	5.63–8.29 13.12–33.92	5.63–8.29 13.12–33.92	4.12–33.92	4.12–33.92
F/FF/FA/FAF87	3		109.49–270.68	39.30–50.36 76.39–270.68	29.20–228.93	29.20–197.20	29.20–159.61	29.20–159.61
F/FF/FA/FAF97	2			9.06 22.11–43.28	7.07–9.06 17.25–43.28	7.07–9.06 17.25–43.28	4.57–43.28	4.57–43.28
F/FF/FA/FAF97	3			58.06–72.29 80.31 89.85–97.58 112.99–276.77	44.49–72.29 80.31–276.77	44.49–72.29 80.31–276.77	32.50–223.88	32.50–223.88
F/FF/FA/FAF107	2				21.76–33.79	21.76–33.79	7.40–9.69 14.67–33.79	7.40–9.69 14.67–33.79
F/FF/FA/FAF107	3				58.12–83.99 92.47–254.40	58.12–83.99 92.47–254.40	37.61–254.40	37.61–254.40

续表

减速器型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180
F/FF/FA/FAF77	2	4.28–19.70	4.28–19.70		
F/FF/FA/FAF77	3	25.54–43.58	25.54–43.58		
F/FF/FA/FAF87	2	4.12–26.50	4.12–26.50	4.12–26.50	4.12–21.32
F/FF/FA/FAF87	3	29.20–123.29	29.20–123.29	29.20–123.29	29.20–50.36
F/FF/FA/FAF97	2	4.57–33.91	4.57–33.91	4.57–33.91	4.57–27.44
F/FF/FA/FAF97	3	32.50–89.85 102.16–174.87	32.50–89.85 102.16–174.87	32.50–89.85 102.16–174.87	32.50–75.63 86.59 102.16–140.71
F/FF/FA/FAF107	2	6.22–9.69 12.33–33.79	6.22–9.69 12.33–33.79	6.22–9.69 12.33–33.79	6.22–33.79
F/FF/FA/FAF107	3	31.80–199.31	31.80–199.31	31.80–199.31	31.80–161.28

6.3 速比与最大扭矩
6.3 Ratio and Max. Torque

F37–57 n_a=1400 r/min

F37				200Nm
i	n_e [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
128.51	11	200	4290	
117.88	12	200	4290	
100.36	14	200	4290	
86.53	16	200	4290	
80.65	17	200	4290	AD1
70.50	20	200	4290	
66.09	21	200	4290	
58.32	24	200	4290	
54.54	26	200	4290	
51.70	27	200	4290	
47.02	30	200	4290	
43.83	32	200	4290	
38.31	37	200	4290	
35.91	39	200	4290	AD2
31.69	44	200	4290	
28.09	50	200	4260	
23.88	59	200	3760	
2–stage				
23.63	59	200	3740	
20.57	68	200	3500	
19.27	73	200	3390	
17.03	82	200	3180	
15.81	89	200	3070	
14.33	98	200	2910	
12.87	109	200	2750	
11.08	126	190	2620	
10.42	134	185	2580	AD2
8.97	156	175	2460	
8.01	175	170	2360	
7.44	188	145	2350	
6.74	208	140	2270	
6.05	231	135	2190	
5.21	269	125	2120	
4.90	286	120	2100	
4.22	332	110	2030	
3.77	372	105	1970	

F47				400Nm
i	n_e [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
190.76	7.3	400	5920	
175.38	8.0	400	5920	
150.06	9.3	400	5920	
130.07	11	400	5920	AD1
121.57	12	400	5920	
105.09	13	400	5920	
89.29	16	400	5920	
79.72	18	400	5920	
68.09	21	400	5920	
65.36	21	400	5920	
56.49	25	400	5920	
48.00	29	400	5920	
42.86	33	400	5920	AD2
36.61	38	400	5920	
34.29	41	400	5920	
28.88	48	400	5790	
2–stage				
30.86	45	400	5920	
29.32	48	400	5830	
25.72	54	400	5470	
21.82	64	400	5030	
19.70	71	400	4770	
17.33	81	400	4450	
16.36	86	400	4320	
13.93	100	400	3950	
12.66	111	400	3740	AD2
10.97	128	400	3440	
8.96	156	330	3250	
7.88	178	380	2630	
7.44	188	380	2530	
6.34	221	350	2470	
5.76	243	340	2390	
4.99	281	320	2310	

F57				600Nm
i	n_e [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
199.70	7.0	600	8200	
183.60	7.6	600	8200	
157.09	8.9	600	8200	
136.16	10	600	8200	
127.27	11	600	8200	
110.01	13	600	8200	
93.47	15	600	8200	
83.46	17	600	8200	
72.98	19	600	8200	AD2
68.22	21	600	8200	
58.97	24	600	8200	
50.10	28	600	8200	
44.73	31	600	8200	
38.21	37	600	8200	
35.79	39	600	8200	
30.15	46	590	7650	
2–stage				
40.13	35	290	9710	
34.24	41	500	8670	AD2
29.94	47	545	7890	
28.45	49	535	7760	
24.96	56	575	7060	
21.17	66	600	6350	
19.11	73	600	6020	
16.81	83	600	5620	
15.88	88	600	5450	
13.52	104	600	4980	
12.29	114	600	4710	
10.64	132	600	4320	AD3
9.31	150	420	4760	
8.19	171	420	4450	
7.73	181	420	4310	
6.58	213	420	3940	
5.98	234	420	3730	
5.18	270	415	3460	

F67-87 n_a=1400 r/min

F67				820Nm
i	n_2 [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3-stage				
228.99	6.1	820	10300	
195.39	7.2	820	10300	
170.85	8.2	820	10300	
162.31	8.6	820	10300	
142.40	9.8	820	10300	
120.79	12	820	10300	
109.04	13	820	10300	
95.94	15	820	10300	
90.59	15	820	10300	AD2
79.76	18	820	10300	
67.65	21	820	10300	
61.07	23	820	10300	
53.73	26	820	10300	
50.74	28	820	10300	
43.20	32	820	10300	
39.26	36	780	10700	
34.01	41	740	11000	
2-stage				
36.30	39	820	10300	AD2
32.08	44	820	10300	
27.41	51	820	10300	
25.13	56	820	10300	
22.05	63	820	10300	
20.90	67	820	10300	
18.29	77	820	10300	
16.48	85	820	10300	
14.46	97	820	10300	
12.76	110	820	10300	AD3
11.31	124	820	10300	
9.66	145	820	10300	
9.08	154	530	11400	
8.60	163	570	10900	
7.53	186	610	10100	
6.78	206	620	9660	
5.95	235	610	9200	
5.25	267	590	8850	
4.66	300	560	8590	
3.97	353	500	8390	

F77				1500Nm
i	n_2 [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3-stage				
281.71	5.0	1500	15700	
262.93	5.3	1500	15700	
225.79	6.2	1500	15700	
198.31	7.1	1500	15700	
188.40	7.4	1500	15700	
166.47	8.4	1500	15700	
142.27	9.8	1500	15700	
130.42	11	1500	15700	
114.45	12	1500	15700	AD2
108.46	13	1500	15700	
94.93	15	1500	15700	
85.52	16	1500	15700	
75.02	19	1500	15700	
72.50	19	1500	15700	
66.46	21	1500	15700	
58.32	24	1500	15700	
55.27	25	1500	15700	
48.37	29	1500	15700	
43.58	32	1500	15700	
38.23	37	1500	15700	
33.74	41	1500	15700	AD3
29.91	47	1500	15700	
25.54	55	1450	16100	
2-stage				
36.58	38	1110	17900	
31.51	44	1380	16500	AD3
28.75	49	1430	16200	
25.50	55	1500	15700	
21.43	65	1500	15700	
19.70	71	1500	15700	
17.49	80	1500	15700	
15.64	90	1500	15700	
14.06	100	1500	15700	
12.20	115	1500	14900	
10.93	128	1500	14200	AD4
9.30	151	1080	13800	
8.26	169	1080	13100	
7.39	189	1080	12500	
6.64	211	1080	12000	
5.76	243	1080	11300	
5.16	271	1080	10700	
4.28	327	1010	10200	

F87				3000Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3-stage				
270.68	5.2	3000	19800	
255.37	5.5	3000	19800	
228.93	6.1	3000	19800	
197.20	7.1	3000	19800	
179.97	7.8	3000	19800	
159.61	8.8	3000	19800	AD2
134.16	10	3000	19800	
123.29	11	3000	19800	
109.49	13	3000	19800	
97.89	14	3000	19800	
88.01	16	3000	19800	
76.39	18	3000	19800	
68.40	20	3000	19600	
56.75	25	3000	17700	
50.36	28	2940	16800	AD3
45.28	31	2820	16200	
39.30	36	2720	15400	
35.19	40	2610	14900	AD4
29.20	48	2510	13800	
2-stage				
33.92	41	2610	14600	
28.78	49	2450	13900	
26.50	53	3000	11100	
23.68	59	3000	10300	
21.32	66	3000	9530	
19.31	73	3000	8840	
17.12	82	3000	8040	
15.48	90	3000	7390	
13.12	107	3000	6370	
11.46	122	3000	5580	AD5
9.58	146	2880	5050	
8.29	169	1530	8890	
7.35	190	1530	8280	
6.65	211	1530	7790	
5.63	248	1530	7020	
4.92	284	1530	6430	
4.12	340	1460	5980	

F97-107 n_a=1400 r/min

F97				4300Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{ra} [N]	AD
3-stage				
276.77	5.1	4300	29900	AD3
253.41	5.5	4300	29900	
223.88	6.3	4300	29900	
189.92	7.4	4300	29900	
174.87	8.0	4300	29900	
156.30	9.0	4300	29900	
140.71	9.9	4300	29900	
127.42	11	4300	29900	
112.99	12	4300	29900	
102.16	14	4300	29900	
97.58	14	4300	29900	
89.85	16	4300	29900	
86.59	16	4300	29900	
80.31	17	4300	29900	
75.63	19	4300	29900	
72.29	19	4300	29900	
65.47	21	4300	29900	AD4
58.06	24	4300	27200	
52.49	27	4300	25800	
44.49	31	4300	23600	
38.86	36	4300	21900	
32.50	43	4300	19800	
2-stage				
43.28	32	3070	27600	AD4
36.64	38	3070	25500	
33.91	41	4300	20300	AD5
30.39	46	4300	19000	
27.44	51	4300	17900	
24.92	56	4300	16800	
22.11	63	4300	15600	
20.07	70	4300	14600	
17.25	81	4300	13200	
15.06	93	4300	11900	
12.77	110	4300	10500	AD6
11.16	125	4100	10000	
9.06	154	2360	13600	
8.22	170	2360	12800	
7.07	198	2360	11700	
6.17	227	2250	11200	
5.23	268	2150	10600	
4.57	306	2050	10100	

F107				7840Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{ra} [N]	AD
3-stage				
254.40	5.5	7680	49800	AD3
215.37	6.5	7680	49800	
199.31	7.0	7680	49800	
178.64	7.8	7680	49800	
161.28	8.7	7680	49800	
146.49	9.6	7680	49800	
129.97	11	7680	49800	
117.94	12	7680	49800	
101.38	14	7680	49800	AD4
92.47	15	7680	49800	
88.49	16	7680	49800	
83.99	17	7680	49800	
74.52	19	7680	49800	
67.62	21	7680	49800	
58.12	24	7680	47800	
50.73	28	7680	45100	
43.03	33	7680	42000	AD5
37.61	37	7680	39500	
31.80	44	7680	36500	
2-stage				
33.79	41	7400	38300	AD6
27.57	51	7840	33700	
25.14	56	7840	32200	
21.76	64	7840	30000	
19.20	73	7840	28100	
16.58	84	7840	26000	
14.67	95	7680	24700	
12.33	114	7000	24300	
9.96	141	6500	22900	
9.69	144	4910	25400	
8.37	167	4800	24000	
7.40	189	4600	23200	
6.22	225	4600	21100	

F 57/67/77 R37 n_a=1400 r/min

F57R37			600Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{ra} [N]
14832	0.09	600	8200
13604	0.10	600	8200
12602	0.11	600	8200
11252	0.12	600	8200
9986	0.14	600	8200
8787	0.16	600	8200
7908	0.18	600	8200
6913	1.20	600	8200
6013	0.23	600	8200
5289	0.26	600	8200
4654	0.30	600	8200
4060	0.34	600	8200
3564	0.39	600	8200
3161	0.44	600	8200
2854	0.49	600	8200
2737	0.51	600	8200
2576	0.54	600	8200
2409	0.58	600	8200
2266	0.62	600	8200
2131	0.66	600	8200
2012	0.70	600	8200
1840	0.76	600	8200
1791	0.78	600	8200
1623	0.86	600	8200
1617	0.87	600	8200
1439	0.97	600	8200
1422	0.98	600	8200
1243	1.1	600	8200
1238	1.1	600	8200
1106	1.3	600	8200
1066	1.3	600	8200
967	1.4	600	8200
949	1.5	600	8200
856	1.6	600	8200
851	1.6	600	8200
749	1.9	600	8200
738	1.9	600	8200
658	2.1	600	8200
646	2.2	600	8200
558	2.5	600	8200
549	2.6	600	8200
506	2.8	600	8200
483	2.9	600	8200
452	3.1	600	8200
426	3.3	600	8200
386	3.6	600	8200
382	3.7	600	8200
338	4.1	600	8200
330	4.2	600	8200
298	4.7	600	8200
298	4.7	600	8200
262	5.3	600	8200
255	5.5	600	8200
226	6.2	600	8200
226	6.2	600	8200
201	7.0	600	8200
200	7.0	600	8200
181	7.7	600	8200
170	8.2	600	8200
155	9.0	600	8200
152	9.2	600	8200
134	10	600	8200

F67R37			820Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{ra} [N]
19199	0.07	820	10300
17610	0.08	820	10300
14992	0.09	820	10300
12926	0.11	820	10300
11480	0.12	820	10300
10220	0.14	820	10300
8933	0.16	820	10300
7940	0.18	820	10300
7096	0.20	820	10300
6080	0.23	820	10300
5341	0.26	820	10300
4690	0.30	820	10300
4091	0.34	820	10300
3574	0.39	820	10300
3377	0.41	820	10300
3133	0.45	820	10300
2912	0.48	820	10300
2756	0.51	820	10300
2714	0.52	820	10300
2439	0.57	820	10300
2372	0.59	820	10300
2126	0.66	820	10300
2106	0.66	820	10300
1884	0.74	820	10300
1859	0.75	820	10300
1635	0.86	820	10300
1631	0.86	820	10300
1437	0.97	820	10300
1429	0.98	820	10300
1271	1.1	820	10300
1256	1.1	820	10300
1126	1.2	820	10300
1102	1.3	820	10300
984	1.4	820	10300
970	1.4	820	10300
864	1.6	820	10300
858	1.6	820	10300
755	1.9	820	10300
722	1.9	820	10300
641	2.2	820	10300
634	2.2	820	10300
572	2.4	820	10300
539	2.6	820	10300
509	2.8	820	10300
500	2.8	820	10300
454	3.1	820	10300
437	3.2	820	10300
392	3.6	820	10300
384	3.6	820	10300
338	4.1	820	10300
333	4.1	820	10300
305	4.6	820	10300
297	4.7	820	10300
261	5.4	820	10300
257	5.4	820	10300
238	5.9	820	10300
231	6.1	820	10300
205	6.8	820	10300
200	7.0	820	10300
176	8.0	820	10300
175	8.0	820	10300

F77R37			1500Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{ra} [N]
19180	0.07	1500	15700
17593	0.08	1500	15700
16128	0.09	1500	15700
14978	0.09	1500	15700
13731	0.10	1500	15700
12049	0.12	1500	15700
11035	0.13	1500	15700
9683	0.14	1500	15700
8464	0.17	1500	15700
7520	0.19	1500	15700
6580	0.21	1500	15700
5808	0.24	1500	15700
5026	0.28	1500	15700
4931	0.28	1110	17900
4523	0.31	1110	17900
4435	0.32	1500	15700
3851	0.36	1110	17900
3832	0.37	1500	15700
3381	0.41	1500	15700
3320	0.42	1110	17900
3095	0.45	1110	17900
2978	0.47	1500	15700
2705	0.52	1110	17900
2613	0.54	1500	15700
2536	0.55	1110	17900
2284	0.61	1500	15700
2238	0.63	1110	17900
2039	0.69	1110	17900
2029	0.69	1500	15700
1759	0.80	1110	17900
1728	0.81	1500	15700
1639	0.85	1110	17900
1544	0.91	1500	15700
1433	0.98	1110	17900
1354	1.0	1500	15700
1343	1.0	1110	17900
1200	1.2	1500	15700
1185	1.2	1110	17900
1053	1.3	1500	15700
1051	1.3	1110	17900
910	1.5	1500	15700
893	1.6	1110	17900
815	1.7	1110	17900
810	1.7	1500	15700
710	2.0	1500	15700
706	2.0	1110	17900
660	2.1	1110	17900
615	2.3	1500	15700
571	2.5	1110	17900
538	2.6	1500	15700
485	2.9	1110	17900
480	2.9	1500	15700
433	3.2	1110	17900
413	3.4	1500	15700
370	3.8	1110	17900
367	3.8	1500	15700
346	4.0	1110	17900
323	4.3	1500	15700
292	4.8	1110	17900
280	5.0	1500	15700
247	5.7	1500	15700
221	6.3	1500	15700
199	7.0	1500	15700

F 87/97R57,F107R77 n_a=1400 r/min

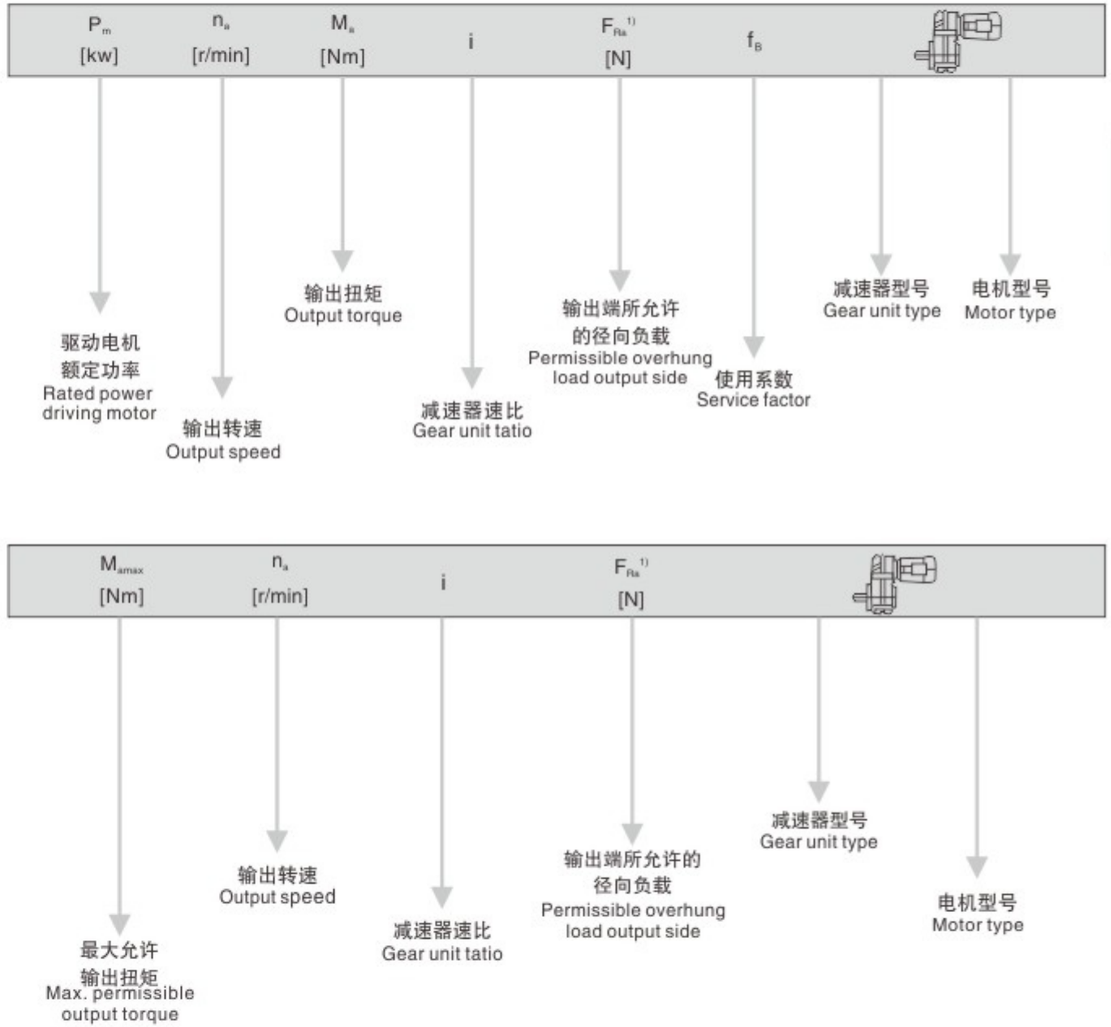
F87R57			3000Nm
i	n_a [r/min]	M_{an-ax} [Nm]	F_{ra} [N]
23042	0.06	3000	19800
20462	0.07	3000	19800
18238	0.08	3000	19800
15877	0.09	3000	19800
14099	0.10	3000	19800
12205	0.11	3000	19800
10433	0.13	3000	19800
9381	0.15	3000	19800
8142	0.17	3000	19800
7100	0.20	3000	19800
6273	0.22	3000	19800
5510	0.25	3000	19800
4954	0.28	3000	19800
4952	0.28	3000	19800
4562	0.31	3000	19800
4245	0.33	3000	19800
3919	0.36	3000	19800
3721	0.38	3000	19800
3503	0.40	3000	19800
3244	0.43	3000	19800
3196	0.44	3000	19800
2881	0.49	3000	19800
2857	0.49	3000	19800
2576	0.54	3000	19800
2524	0.55	3000	19800
2199	0.64	3000	19800
2134	0.66	3000	19800
1930	0.73	3000	19800
1913	0.73	3000	19800
1717	0.82	3000	19800
1709	0.82	3000	19800
1493	0.94	3000	19800
1476	0.95	3000	19800
1300	1.1	3000	19800
1278	1.1	3000	19800
1148	1.2	3000	19800
1142	1.2	3000	19800
1010	1.4	3000	19800
998	1.4	3000	19800
887	1.6	3000	19800
883	1.6	3000	19800
780	1.8	3000	19800
748	1.9	3000	19800
674	2.1	3000	19800
662	2.1	3000	19800
609	2.3	3000	19800
592	2.4	3000	19800
519	2.7	3000	19800
515	2.7	3000	19800
468	3.0	3000	19800
452	3.1	3000	19800
398	3.5	3000	19800
350	4.0	3000	19800
345	4.1	3000	19800
315	4.4	3000	19800
300	4.7	3000	19800
281	5.0	3000	19800
249	5.6	3000	19800
240	5.8	3000	19800
211	6.6	3000	19800
193	7.3	3000	19800

F97R57			4300Nm
i	n_a [r/min]	M_{an-ax} [Nm]	F_{ra} [N]
29211	0.05	4300	29900
26911	0.05	4300	29900
23814	0.06	4300	29900
20813	0.07	4300	29900
18119	0.08	4300	29900
15472	0.09	4300	29900
14022	0.10	4300	29900
12324	0.11	4300	29900
10838	0.13	4300	29900
9576	0.15	4300	29900
8318	0.17	4300	29900
7328	0.19	4300	29900
6469	0.22	4300	29900
6338	0.22	4300	29900
5680	0.25	4300	29900
5615	0.25	4300	29900
5016	0.28	4300	29900
4961	0.28	4300	29900
4367	0.32	4300	29900
4333	0.32	4300	29900
3914	0.36	4300	29900
3906	0.36	4300	29900
3357	0.42	4300	29900
3352	0.42	4300	29900
3009	0.47	4300	29900
2907	0.48	4300	29900
2553	0.55	4300	29900
2448	0.57	4300	29900
2245	0.62	4300	29900
2199	0.64	4300	29900
1971	0.71	4300	29900
1970	0.71	4300	29900
1741	0.80	4300	29900
1722	0.81	4300	29900
1527	0.92	4300	29900
1468	0.95	4300	29900
1327	1.1	4300	29900
1316	1.1	4300	29900
1189	1.2	4300	29900
1171	1.2	4300	29900
1023	1.4	4300	29900
1022	1.4	4300	29900
898	1.6	4300	29900
892	1.6	4300	29900
784	1.8	4300	29900
760	1.8	4300	29900
690	2.0	4300	29900
667	2.1	4300	29900
605	2.3	4300	29900
569	2.5	4300	29900
529	2.6	4300	29900
510	2.7	4300	29900
473	3.0	4300	29900
467	3.0	4300	29900
406	3.4	4300	29900
403	3.5	4300	29900
363	3.9	4300	29900
361	3.9	4300	29900
317	4.4	4300	29900
285	4.9	4300	29900
275	5.1	4300	29900
245	5.7	4300	29900
242	5.8	4300	29900
208	6.7	4300	29900
195	7.2	4300	29900

F107R77			780Nm
i	n_a [r/min]	M_{an-ax} [Nm]	F_{ra} [N]
25375	0.06	7680	49800
21652	0.06	7680	49800
18933	0.07	7680	49800
16888	0.08	7680	49800
14767	0.09	7680	49800
11348	0.12	7680	49800
10039	0.14	7680	49800
8548	0.16	7680	49800
7674	0.18	7680	49800
6767	0.21	7680	49800
5954	0.24	7680	49800
5383	0.26	7640	49800
5223	0.27	7680	49800
4593	0.30	7840	49400
4567	0.31	7680	49800
4016	0.35	7840	49400
3948	0.35	7680	49800
3815	0.37	7840	49400
3521	0.40	7680	49800
3347	0.42	7840	49400
3037	0.46	7680	49800
2839	0.49	7840	49400
2756	0.51	7680	49800
2563	0.55	7840	49400
2369	0.59	7680	49800
2255	0.62	7840	49400
2129	0.66	7840	49400
2068	0.68	7840	49400
1826	0.77	7680	49800
1813	0.77	7840	49400
1597	0.88	7680	49800
1590	0.88	7840	49400
1436	0.97	7840	49400
1401	1.0	7680	49800
1263	1.1	7840	49400
1243	1.1	7680	49800
1193	1.2	7840	49400
1084	1.3	7680	49800
1015	1.4	7840	49400
950	1.5	7680	49800
923	1.5	7840	49400
834	1.7	7680	49800
800	1.8	7840	49400
736	1.9	7680	49800
696	2.0	7840	49400
644	2.2	7840	49400
640	2.2	7680	49800
591	2.4	7840	49400
560	2.5	7680	49800
518	2.7	7840	49400
491	2.9	7840	49400
489	2.9	7680	49800
436	3.2	7680	49800
430	3.3	7840	49400
387	3.6	7840	49400
370	3.8	7680	49800
340	4.1	7840	49400
333	4.2	7680	49800
300	4.7	7840	49400
291	4.8	7680	49800
266	5.3	7840	49400
255	5.5	7680	49800
225	6.2	7680	49800
190	7.4	7680	49800

6.4 选型表注释
6.4 Selection table

选型表的结构
Selection table geared motors



图例 Cuttine

※ 也可用于 Eexe 电机。 ※ EEXE motor is optional.

1) 实心轴底脚安装减速机的径向负荷

1) Overhung load specified for foot – mounted gear unit with solid shaft

注意： Notice:

对于特殊底输出转速驱动（多级减速电机），电机功率必须与减速机的最大允许输出扭矩相对应。

In drives for particularly low output speeds(multi – stage geared motors), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12KW						
0.09	9590	14767	44400	0.80		
0.12	7610	11348	50000	1.00		
0.14	5890	10039	54300	1.30		
0.16	4880	8548	56600	1.55	FA	107R77 D63S4
0.18	4740	7674	56900	1.60	FAF	107R77 D63S4
0.20	4120	6767	58200	1.85	F	107R77 D63S4
0.23	3530	5954	59400	2.2	FF	107R77 D63S4
0.26	3070	5223	60300	2.5		
0.30	2890	4567	60600	2.7		
0.39	2140	3521	61900	3.6		
0.19	4800	7328	23100	0.90	FA	97 R57 D63S4
0.21	4040	6469	30700	1.05	FAF	97 R57 D63S4
0.25	3680	5615	31600	1.15	F	97 R57 D63S4
0.28	3200	4961	32800	1.35	FF	97 R57 D63S4
0.32	2800	4333	33800	1.55		
0.35	2550	3906	34300	1.70	FA	97 R57 D63S4
0.41	2210	3352	35000	1.95	FAF	97 R57 D63S4
0.47	1820	2907	36700	2.4	F	97 R57 D63S4
0.54	1670	2553	36000	2.6	FF	97 R57 D63S4
0.28	3250	4954	3640	0.90	FA	87 R57 D63S4
0.33	2690	4245	24100	1.10	FAF	87 R57 D63S4
0.37	2200	3721	25800	1.35	F	87 R57 D63S4
0.43	2140	3244	26000	1.40	FF	87 R57 D63S4
0.48	1900	2881	26700	1.60		
0.54	1700	2576	27300	1.75		
0.63	1440	2199	28000	2.1		
0.72	1240	1930	28400	2.4		
0.81	1120	1709	28700	2.7		
0.92	980	1493	29000	3.0		
1.1	785	1300	29400	3.8		
1.2	710	1148	29500	4.2		
0.53	1750	2613	13800	0.85	FA	77 R37 D63S4
0.60	1520	2284	15600	1.00	FAF	77 R37 D63S4
0.68	1340	2029	16700	1.10	F	77 R37 D63S4
0.80	1130	1728	17800	1.35	FF	77 R37 D63S4
0.89	1040	1544	18200	1.45		
1.0	910	1354	18600	1.65		
1.1	810	1200	19000	1.85		
1.3	710	1053	19200	2.1		
1.5	605	910	19500	2.5		
1.7	510	810	19700	2.9		
1.9	445	710	19800	3.4		
0.97	920	1429	9270	0.90		
1.1	830	1271	10200	1.00		
1.2	700	1102	11300	1.15		
1.4	615	970	11800	1.35	FA	67 R37 D63S4
1.6	540	858	12200	1.50	FAF	67 R37 D63S4
1.8	475	755	12500	1.95	F	67 R37 D63S4
2.2	405	641	12800	2.0	FF	67 R37 D63S4
2.4	375	572	12900	2.2		
2.7	320	509	13000	2.6		
3.2	275	437	13000	3.0		
1.4	655	967	5860	0.90		
1.6	585	851	9320	1.05		
1.9	500	738	9920	1.20	FA	57R37 D63S4
2.1	435	646	10400	1.40	FAF	57R37 D63S4
2.5	370	558	10700	1.60	F	57R37 D63S4
2.7	330	506	11000	1.80	FF	57R37 D63S4
3.0	285	452	11200	2.1		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12KW						
3.2	295	426	11200	2.0	FA	57R37 D63S4
3.6	260	382	11300	2.3	FAF	57R37 D63S4
4.2	225	330	11500	2.7	F	57R37 D63S4
4.6	200	298	11500	3.0	FF	57R37 D63S4
5.3	177	262	11500	3.1		
3.9	290	228.99	13000	2.8		
4.6	250	195.39	13000	3.3	FA	67 D63M6
5.3	220	170.85	13000	3.8	FAF	67 D63M6
5.6	205	162.21	13000	4.0	F	67 D63M6
6.3	181	142.40	13000	4.5	FF	67 D63M6
4.5	255	199.70	11400	2.4		
4.9	235	183.60	11500	2.6	FA	57 D63M6
5.7	200	157.09	11500	3.0	FAF	57 D63M6
6.6	173	136.16	11500	3.5	F	57 D63M6
7.1	162	127.27	11500	3.7	FF	57 D63M6
6.9	166	199.70	11500	3.6	FA	57 D63S4
7.5	153	183.60	11500	3.9	FAF	57 D63S4
8.8	130	157.09	11500	4.6	F	57 D63S4
10	113	136.16	11500	5.3	FF	57 D63S4
4.7	245	190.76	7510	1.65		
5.1	225	175.38	7640	1.80		
6.0	191	150.06	7820	2.1	FA	47 D63M6
6.9	166	130.07	7940	2.4	FAF	47 D63M6
7.4	155	121.57	7990	2.6	F	47 D63M6
8.6	134	105.09	8070	3.0	FF	47 D63M6
10	114	89.29	8130	3.5		
11	102	79.72	8160	3.9		
7.2	158	190.76	7970	2.5	FA	47 D63S4
7.9	146	175.38	8020	2.8	FAF	47 D63S4
9.2	125	150.06	8100	3.2	F	47 D63S4
11	108	130.07	8150	3.7	FF	47 D63S4
7.0	164	128.51	4740	1.20	FA	37 D63M6
7.6	150	117.88	4880	1.35	FAF	37 D63M6
9.0	128	100.36	5070	1.55	F	37 D63M6
10	110	86.53	5190	1.80	FF	37 D63M6
11	103	80.65	5240	1.95		
11	107	128.51	5220	1.85		
12	98	117.88	5270	2.0		
14	83	100.36	5340	2.4		
16	72	86.53	5400	2.8		
17	67	50.65	5410	3.0		
20	59	70.50	5440	3.4		
21	55	66.09	5460	3.6	FA	37 D63S4
24	48	58.32	5470	4.1	FAF	37 D63S4
25	45	54.54	5480	4.4	F	37 D63S4
27	43	51.70	5490	4.7	FF	37 D63S4
29	39	47.02	5500	5.1		
31	36	43.83	5500	5.5		
36	32	38.31	5510	6.3		
38	30	35.91	5520	6.7		
44	26	31.69	5520	7.6		
49	23	28.09	5520	8.6		
58	20	23.88	5270	10		
58	20	23.63	5250	10		
67	17	20.57	5030	12		
72	16	19.27	4930	13		
81	14	17.03	4740	14		
89	13	15.81	4630	15		
96	12	14.33	4490	17		
107	11	12.87	4330	19	FA	37 D63S4
125	9.2	11.08	4130	21	FAF	37 D63S4
132	87	10.42	4050	21	F	37 D63S4
154	7.4	8.97	3860	24	FF	37 D63S4
186	6.2	7.44	3630	23		
205	5.6	6.44	3510	25		
228	5.0	6.05	3390	27		
265	4.3	5.21	3230	29		
282	4.1	4.90	3170	29		
327	3.5	4.22	3020	31		

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.18KW						
0.15	8560	8548	47400	0.90		
0.17	8050	7674	28800	0.95		
0.20	7030	6767	51500	1.10	FA	107 R77 D63M4
0.22	6090	5954	53800	1.25	FAF	107 R77 D63M4
0.25	5310	5223	55600	1.45	F	107 R77 D63M4
0.29	4860	4567	56600	1.60	FF	107 R77 D63M4
0.37	3660	3521	59100	2.1		
0.43	3170	3037	60100	2.4	FA	107 R77 D63M4
0.48	2880	2756	60600	2.7	FAF	107 R77 D63M4
0.56	2470	2369	61400	3.1	F	107 R77 D63M4
0.64	2160	2068	61900	3.6	FF	107 R77 D63M4
0.30	4660	4330	27900	0.90	FA	97 R57 D63M4
					FAF	97 R57 D63M4
					F	97 R57 D63M4
					FF	107 R77 D63M4
0.34	4260	3906	30000	1.00		
0.39	3670	3352	31600	1.15		
0.45	3100	2907	33100	1.40	FA	97 R57 D63M4
0.52	2790	2553	33800	1.55	FAF	97 R57 D63M4
0.59	2450	2245	34500	1.75	F	97 R57 D63M4
0.67	2130	1970	35200	2.0	FF	97 R57 D63M4
0.77	1890	1722	35600	2.3		
0.86	1670	1527	36000	2.6		
0.99	1380	1327	36500	3.1		
1.1	1280	1171	36600	3.3		
0.46	3160	2881	12300	0.95		
0.51	2820	2576	23600	1.05		
0.60	2400	2199	25200	1.25		
0.68	2080	1930	26200	1.45	FA	87 R57 D63M4
0.77	1860	1709	26800	1.60	FAF	87 R57 D63M4
0.88	1640	1493	27500	1.85	F	87 R57 D63M4
1.0	1350	1300	28200	2.2	FF	87 R57 D63M4
1.1	1210	1148	28500	2.5		
1.3	1050	1010	28900	2.9		
1.5	940	887	29100	3.2		
1.7	810	780	29400	3.7		
0.76	1880	1728	7810	0.80		
0.86	1710	1544	14100	0.90		
0.98	1500	1354	15700	1.00		
1.1	1330	1200	16800	1.15	FA	77 R37 D63M4
1.2	1170	1053	17600	1.30	FAF	77 R37 D63M4
1.5	1000	910	18300	1.50	F	77 R37 D63M4
1.6	860	810	18800	1.75	FF	77 R37 D63M4
1.9	755	710	19100	2.0		
2.2	670	615	19300	2.2		
1.5	910	858	9370	0.90		
1.8	800	755	10400	1.00		
2.1	685	641	11400	1.20	FA	67 R37 D63M4
2.3	625	572	11800	1.30	FAF	67 R37 D63M4
2.6	540	509	12200	1.50	F	67 R37 D63M4
3.0	470	437	12600	1.75	FF	67 R37 D63M4
3.4	420	384	12700	1.95		
2.6	560	500	12100	1.45		
2.9	510	454	12400	1.60		
3.4	440	392	12700	1.85	FA	67 R37 D63M4
4.0	370	333	12900	2.2	FAF	67 R37 D63M4
4.4	325	297	13000	2.5	F	67 R37 D63M4
5.1	285	261	13000	2.9	FF	67 R37 D63M4
5.6	260	238	13000	3.2		
6.6	215	200	13000	3.8		
2.4	615	558	9080	1.00	FA	57 R37 D63M4
2.6	550	506	9560	1.10	FAF	57 R37 D63M4
2.9	485	452	10000	1.25	F	57 R37 D63M4
3.4	415	386	10500	1.45	FF	57 R37 D63M4
3.9	360	338	10800	1.65		

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.18KW						
3.1	485	426	10000	1.25		
3.5	430	382	10400	1.40		
4.0	370	330	10700	1.60	FA	57 R37 D63M4
4.4	335	298	11000	1.80	FAF	57 R37 D63M4
5.0	290	262	11200	2.0	F	57 R37 D63M4
5.8	250	226	11400	2.4	FF	57 R37 D63M4
6.6	215	200	11500	2.8		
3.1	555	281.71	19600	2.7	FA	77 D63L6
3.3	520	262.93	19700	2.9	FAF	77 D63L6
3.8	445	225.79	19800	3.4	F	77 D63L6
					FF	77 D63L6
3.8	450	228.99	12600	1.80	FA	67 D63L6
4.4	385	195.39	12900	2.1	FAF	67 D63L6
5.1	340	170.85	13000	2.4	F	67 D63L6
					FF	67 D63L6
5.8	300	228.99	13000	2.8	FA	67 D63M4
6.8	255	195.39	13000	3.2	FAF	67 D63M4
7.7	225	170.85	13000	3.7	F	67 D63M4
					FF	67 D63M4
4.4	395	199.70	10600	1.50		
4.7	365	183.60	10800	1.65	FA	57 D63L6
5.5	310	157.09	11100	1.95	FAF	57 D63L6
6.4	270	136.16	11300	2.2	F	57 D63L6
6.8	250	127.27	11400	2.4	FF	57 D63L6
7.9	215	110.01	11500	2.8		
6.6	260	199.70	11300	2.3	FA	57 D63M4
7.2	240	183.60	11500	2.5	FAF	57 D63M4
8.4	205	157.09	11500	2.9	F	57 D63M4
9.7	177	136.16	11500	3.4	FF	57 D63M4
10	166	127.27	11500	3.6		
4.6	375	190.76	6240	1.05		
5.0	345	175.38	6600	1.15	FA	47 D63L6
5.8	295	150.06	7090	1.35	FAF	47 D63L6
6.7	255	130.07	7410	1.55	F	47 D63L6
7.2	240	121.57	7530	1.65	FF	47 D63L6
6.9	250	190.76	7470	1.06		
7.5	230	175.38	7610	1.75	FA	47 D63M4
8.8	195	150.06	7800	2.0	FAF	47 D63M4
10	169	130.07	7920	2.4	F	47 D63M4
11	158	121.57	7970	2.5	FF	47 D63M4
7.4	235	117.88	3750	0.85		
8.7	198	100.36	4320	1.00	FA	37 D63L6
10	171	86.53	4660	1.15	FAF	37 D63L6
11	159	80.65	4790	1.25	F	37 D63L6
12	139	70.50	4970	1.45	FF	37 D63L6
10	167	128.51	4700	1.20		
11	154	117.88	48500	1.30		
13	131	100.36	5050	1.55		
15	113	86.53	5180	1.75		
16	105	80.65	5230	1.90		
19	92	70.50	5300	2.2		
20	86	66.09	5330	2.3		
23	76	58.32	5380	2.6	FA	37 D63M4
24	71	54.54	5400	2.8	FAF	37 D63M4
26	67	51.70	5410	3.0	F	37 D63M4
28	61	47.02	5440	3.3	FF	37 D63M4
30	57	43.83	5450	3.5		
34	50	38.31	5470	4.0		
37	47	35.91	5480	4.3		
42	41	31.69	5490	4.8		
47	37	28.09	5500	5.5		
55	31	23.88	5260	6.4		
56	31	23.63	5240	6.5	FA	37 D63M4
64	27	20.57	5030	7.5	FAF	37 D63M4
69	25	19.27	4930	8.0	F	37 D63M4
78	22	17.03	4740	9.0	FF	37 D63M4
83	21	15.81	4640	9.7		

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_s		机型号 Model
0.18KW						
92	19	14.33	4500	11		
103	17	12.87	4350	12		
119	14	11.08	4150	13		
127	14	10.42	4070	14		
147	12	8.97	3880	15		
178	9.7	7.44	3650	15		
196	8.8	6.74	3540	16	FA	37 D63M4
218	7.9	60.5	3420	17	FAF	37 D63M4
253	6.8	5.21	3260	18	F	37 D63M4
269	6.4	4.90	3190	19	FF	37 D63M4
313	5.5	4.22	3040	20		
0.25KW						
0.22	9000	5954	46200	0.85	FA	107 R77 D63L4
0.25	7860	5223	49300	1.00	FAF	107 R77 D63L4
0.28	7090	4567	51400	1.10	F	107 R77 D63L4
0.37	5370	3521	55500	1.45	FF	107 R77 D63L4
0.43	4680	3037	57000	1.65		
0.47	4240	2756	57900	1.80	FA	107 R77 D63L4
0.55	3650	2369	59100	2.1	FAF	107 R77 D63L4
0.63	3180	2068	60000	2.4	F	107 R77 D63L4
0.81	2440	1597	61400	3.2	FF	107 R77 D63L4
0.93	2110	1401	62000	3.6		
0.45	4530	2907	29200	0.95		
0.51	4050	2553	30600	1.05		
0.58	3560	2245	31900	1.20	FA	97 R57 D63L4
0.66	3100	1970	33100	1.40	FAF	97 R57 D63L4
0.75	2740	1722	33900	1.55	F	97 R57 D63L4
0.85	2430	1527	34600	1.75	FF	97 R57 D63L4
0.98	2040	1327	35300	2.1		
1.1	1860	1170	35600	2.3		
1.3	1630	1022	36100	2.6		
0.67	3040	1930	18200	1.00		
0.76	2710	1709	24000	1.10		
0.87	2380	1493	25200	1.25	FA	87 R57 D63L4
1.0	1990	1300	26500	1.50	FAF	87 R57 D63L4
1.1	1780	1148	27100	1.70	F	87 R57 D63L4
1.3	1550	1010	27700	1.95	FF	87 R57 D63L4
1.5	1370	887	28100	2.2		
1.7	1200	780	28500	2.5		
1.9	1020	674	28900	2.9		
1.2	1690	1053	14300	0.90		
1.4	1450	910	16000	1.05		
1.6	1260	810	17100	1.20	FA	77 R37 D63L4
1.8	1110	710	17900	1.35	FAF	77 R37 D63L4
2.1	970	615	18400	1.55	F	77 R37 D63L4
2.4	850	538	18800	1.75	FF	77 R37 D63L4
2.7	760	480	19100	2.0		
3.2	645	413	19400	2.3		
2.0	1000	641	2370	0.80	FA	67 R37 D63L4
2.3	910	572	9440	0.90	FAF	67 R37 D63L4
2.6	795	509	10500	1.05	F	67 R37 D63L4
3.0	685	437	11400	1.20	FF	67 R37 D63L4
2.6	810	500	10400	1.00		
2.9	740	454	11000	1.10	FA	67 R37 D63L4
3.3	635	392	11700	1.30	FAF	67 R37 D63L4
3.9	535	333	12200	1.55	F	67 R37 D63L4
4.4	475	297	12500	1.70	FF	67 R37 D63L4
5.0	420	261	12700	1.95		
5.5	375	238	12900	2.2		
3.4	605	386	9170	1.00	FA	57 R37 D63L4
3.8	525	338	9740	1.15	FAF	57 R37 D63L4
5.1	400	255	10600	1.50	F	57 R37 D63L4
					FF	57 R37 D63L4
3.4	625	382	8710	0.95		
3.9	535	330	9680	1.10	FA	57 R37 D63L4
4.4	485	298	10000	1.25	FAF	57 R37 D63L4
5.0	425	262	10400	1.40	F	57 R37 D63L4
5.8	360	226	10800	1.65	FF	57 R37 D63L4
6.5	320	200	11000	1.90		
7.7	270	170	11300	2.2		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_s		机型号 Model
0.25kw						
3.1	765	281.71	19100	1.95	FA	77 D71D6
3.3	715	262.93	19200	2.1	FAF	77 D71D6
3.9	615	225.79	19500	2.5	F	77 D71D6
4.4	540	198.31	19600	2.8	FF	77 D71D6
4.7	510	188.40	19700	2.9		
3.8	620	228.99	11800	1.30	FA	67 D71D6
4.5	530	195.39	12300	1.55	FAF	67 D71D6
5.2	465	170.85	12600	1.75	F	67 D71D6
5.4	440	162.31	12700	1.85	FF	67 D71D6
6.2	385	142.40	12900	2.1		
5.7	420	228.99	12700	1.95	FA	67 D63L4
6.7	360	195.39	13000	2.3	FAF	67 D63L4
7.6	315	170.85	13000	2.6	F	67 D63L4
8.0	300	162.31	13000	2.8	FF	67 D63L4
9.1	260	142.40	13000	3.1		
4.4	540	199.70	9630	1.10		
4.8	500	183.60	9940	1.20	FA	57 D71D6
5.6	425	157.09	10400	1.40	FAF	57 D71D6
6.5	370	136.16	10800	1.60	F	57 D71D6
6.9	345	127.27	10900	1.75	FF	57 D71D6
8.0	300	110.01	11100	2.0		
6.5	365	199.70	10800	1.65		
7.1	335	183.60	10900	1.80	FA	57 D63L4
8.3	290	157.09	11200	2.1	FAF	57 D63L4
9.6	250	136.16	11400	2.4	F	57 D63L4
10	235	127.27	11500	2.6	FF	57 D63L4
12	200	110.01	11500	3.0		
5.9	405	150.06	5750	1.00	FA	47 D71D6
6.8	355	130.07	6530	1.15	FAF	47 D71D6
7.2	330	121.57	6770	1.20	F	47 D71D6
8.4	285	105.09	7190	1.40	FF	47 D71D6
6.8	350	190.76	6550	1.15		
7.4	320	175.38	6850	1.25		
8.7	275	150.06	7270	1.45	FA	47 D63L4
10	240	130.07	7540	1.65	FAF	47 D63L4
11	225	121.57	7640	1.80	F	47 D63L4
12	193	105.09	7810	2.1	FF	47 D63L4
15	164	89.29	7950	2.4		
10	235	128.51	3690	0.85		
11	215	117.88	4040	0.90		
13	184	100.36	4500	1.10		
15	159	86.53	4790	1.25		
16	148	80.65	4900	1.35		
18	130	70.50	5060	1.55		
20	121	66.09	5120	1.65	FA	37 D63L4
22	107	58.32	5210	1.85	FAF	37 D63L4
24	100	54.54	5260	2.0	F	37 D63L4
25	95	51.70	5280	2.1	FF	37 D63L4
28	86	47.02	5330	2.3		
30	81	43.83	5360	2.5		
34	70	38.31	5400	2.8		
36	66	35.91	5420	3.0		
41	58	31.69	5450	3.4		
46	52	28.09	5430	3.9		
54	44	23.88	5180	4.6		
55	43	23.63	5170	4.6		
63	38	20.57	4960	5.3		
67	35	19.27	4870	5.7		
76	31	17.03	4690	6.4		
82	29	15.81	4590	6.9		
91	26	14.33	4460	7.6		
101	24	12.87	4320	8.5	FA	37 D63L4
117	20	11.08	4120	9.3	FAF	37 D63L4
125	19	10.42	4050	9.7	F	37 D63L4
145	17	8.97	3860	11	FF	37 D63L4
175	14	7.44	3630	11		
193	12	6.74	3520	11		
215	11	6.05	3410	12		
249	9.6	5.21	3250	13		
265	9.0	4.90	3190	13		
308	7.7	4.22	3040	14		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_s		机型号 Model
0.37KW						
0.45	6720	3037	52300	1.15	FA	107 R77 D71D4
0.50	6090	2756	53800	1.25	FAF	107 R77 D71D4
0.58	5240	2369	55800	1.45	F	107 R77 D71D4
0.67	4570	2068	57200	1.70	FF	107 R77 D71D4
0.86	3510	1597	59400	2.2		
0.61	5070	2245	5160	0.85		
0.70	4430	1970	29500	0.95		
0.80	3900	1722	31000	1.10	FA	97 R57 D71D4
0.90	3460	1527	32200	1.25	FAF	97 R57 D71D4
1.0	2930	1327	33500	1.45	F	97 R57 D71D4
1.2	2650	1171	34100	1.60	FF	97 R57 D71D4
1.4	2310	1022	34800	1.85		
1.5	1960	898	35500	2.2		
1.1	2870	1300	23400	1.05		
1.2	2550	1148	24600	1.20		
1.4	2230	1010	25700	1.35		
1.6	1970	887	26500	1.50	FA	87 R57 D71D4
1.8	1720	780	27200	1.75	FAF	87 R57 D71D4
2.0	1470	674	27900	2.0	F	87 R57 D71D4
2.3	1340	609	28200	2.2	FF	87 R57 D71D4
2.7	1130	515	28700	2.7		
3.0	1000	452	29000	3.0		
1.7	1810	810	13300	0.85		
1.9	1590	710	15100	0.95		
2.2	1390	615	16400	1.10	FA	77 R37 D71D4
2.6	1210	538	17400	1.25	FAF	77 R37 D71D4
2.9	1080	480	18000	1.40	F	77 R37 D71D4
3.3	920	413	18600	1.65	FF	77 R37 D71D4
3.8	830	367	18900	1.80		
4.3	730	323	19200	2.0		
3.2	980	437	5750	0.85		
3.6	870	384	9880	0.95	FA	67 R37 D71D4
4.1	770	338	10800	1.05	FAF	67 R37 D71D4
4.5	685	305	11400	1.20	F	67 R37 D71D4
5.4	575	257	12000	1.40	FF	67 R37 D71D4
6.0	510	231	12400	1.60		
5.4	570	255	9420	1.05	FA	57 R37 D71D4
6.9	445	201	10300	1.35	FAF	57 R37 D71D4
7.6	405	181	10500	1.50	F	57 R37 D71D4
					FF	57 R37 D71D4
5.3	605	262	9170	1.00		
6.1	515	226	9810	1.15	FA	57 R37 D71D4
6.9	455	200	10200	1.30	FAF	57 R37 D71D4
8.1	385	170	10700	1.55	F	57 R37 D71D4
9.1	345	152	10900	1.75	FF	57 R37 D71D4
10	300	134	11100	2.0		
2.5	1410	270.68	28100	2.1	FA	87 D90S8
2.7	1330	255.37	28200	2.3	FAF	87 D90S8
3.0	1190	228.93	28600	2.5	F	87 D90S8
3.5	1020	197.20	28900	2.9	FF	87 D90S8
3.3	1060	270.68	28800	2.8	FA	87 D80K6
3.5	1000	255.37	29000	3.0	FAF	87 D80K6
3.9	900	228.93	29200	3.3	F	87 D80K6
					FF	87 D80K6
4.0	890	225.79	18700	1.70	FA	77 D80K6
4.5	780	198.31	19100	1.95	FAF	77 D80K6
4.8	740	188.40	19200	2.0	F	77 D80K6
5.4	655	166.47	19400	2.3	FF	77 D80K6
6.3	560	142.27	19600	2.7		
4.9	720	281.71	19200	2.1	FA	77 D71D4
5.2	675	262.93	19300	2.2	FAF	77 D71D4
6.1	580	225.79	19500	2.6	F	77 D71D4
7.0	510	198.31	19700	3.0	FF	77 D71D4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_s		机型号 Model
0.37kw						
4.6	765	195.39	10800	1.05	FA	67 D80K6
5.3	670	170.85	11500	1.20	FAF	67 D80K6
5.6	635	162.31	11700	1.30	F	67 D80K6
6.3	560	142.40	12100	1.45	FF	67 D80K6
7.4	475	120.79	12500	1.75		
6.0	585	228.99	12000	1.40		
7.1	500	195.39	12400	1.65	FA	67 D71D4
8.1	435	170.85	12700	1.85	FAF	67 D71D4
8.5	415	162.31	12800	1.95	F	67 D71D4
9.7	365	142.40	12900	2.2	FF	67 D71D4
11	310	120.79	13000	2.7		
5.7	615	157.09	9070	0.95	FA	57 D80K6
6.6	535	136.16	9680	1.10	FAF	57 D80K6
7.1	500	127.27	9930	1.20	F	57 D80K6
8.2	430	110.01	10400	1.40	FF	57 D80K6
6.9	510	199.70	9850	1.15		
7.5	470	183.60	10100	1.30		
8.8	400	157.09	10600	1.50	FA	57 D71D4
10	350	136.16	10900	1.70	FAF	57 D71D4
11	325	127.27	11000	1.85	F	57 D71D4
13	280	110.01	11200	2.1	FF	57 D71D4
15	240	93.47	11500	2.5		
17	215	83.46	11500	2.8		
9.2	385	150.06	6140	1.05		
11	335	130.07	6740	1.20	FA	47 D71D4
13	270	105.09	7320	1.50	FAF	47 D71D4
15	230	89.29	7600	1.75	F	47 D71D4
17	205	79.72	7750	1.95	FF	47 D71D4
20	174	68.09	7900	2.3		
21	167	65.36	7930	2.4		
16	220	86.53	3960	090		
17	205	80.65	4200	0.95		
20	181	70.50	4550	1.10		
21	169	66.09	4680	1.20		
24	149	58.32	4890	1.35		
25	140	54.54	4970	1.45	FA	37 D71D4
27	132	51.70	5030	1.50	FAF	37 D71D4
29	120	47.02	5120	1.65	F	37 D71D4
31	112	43.83	5180	1.80	FF	37 D71D4
36	98	38.31	5270	2.0		
38	92	35.91	5300	2.2		
44	81	31.69	5300	2.5		
49	72	28.09	5140	2.8		
58	61	23.88	4930	3.3		
58	61	23.63	4920	3.3		
67	53	20.57	4740	3.8		
72	49	19.27	4650	4.1		
81	44	17.03	4500	4.6		
87	41	15.81	4400	4.9		
96	37	14.33	4280	5.4		
107	33	12.87	4150	6.1	FA	37 D71D4
125	28	11.08	3970	6.7	FAF	37 D71D4
132	27	10.42	3900	6.9	F	37 D71D4
154	23	8.97	3730	7.6	FF	37 D71D4
186	19	7.44	3510	7.6		
205	17	6.74	3410	8.1		
228	16	6.05	3300	8.7		
265	13	5.21	3150	9.4		
282	13	4.90	3090	9.6		
327	11	4.22	2950	10		
0.55kw						
0.57	8100	2369	48700	0.95		
0.66	7070	2068	51400	1.10		
0.74	6110	1826	53800	1.25		
0.85	5440	1597	55300	1.40	FA	107 R77 D80K4
0.97	4750	1401	56900	1.60	FAF	107 R77 D80K4
1.1	4160	1243	58100	1.85	F	107 R77 D80K4
1.2	3700	1087	59000	2.1	FF	107 R77 D80K4
1.4	3180	950	60000	2.4		
1.6	2770	834	60800	2.8		
2.1	2150	640	61900	3.6		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted Overhung Load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.55kW						
1.0	4530	1327	29200	0.95		
1.2	4060	1171	30600	1.05		
1.3	3550	1022	32000	1.20		
1.5	3050	898	33200	1.40	FA	97 R57 D80K4
1.7	2690	784	34000	1.60	FAF	97 R57 D80K4
2.0	2340	690	34700	1.85	F	97 R57 D80K4
2.2	2060	605	35300	2.1	FF	97 R57 D80K4
2.6	1790	529	35800	2.4		
2.9	1580	467	36100	2.7		
3.4	1360	406	36500	3.2		
3.7	1220	363	36700	3.5		
1.5	3040	887	18200	1.00		
1.7	2660	780	24200	1.15		
2.0	2290	674	25500	1.30	FA	87 R57 D80K4
2.2	2080	609	26200	1.45	FAF	87 R57 D80K4
2.6	1750	515	27100	1.70	F	87 R57 D80K4
3.0	1540	452	27700	1.95	FF	87 R57 D80K4
3.9	1160	345	28600	2.6		
2.5	1860	538	9980	0.80		
2.8	1660	480	14600	0.90	FA	77 R37 D80K4
3.3	1420	413	16200	1.05	FAF	77 R37 D80K4
3.7	1270	367	17100	1.20	F	77 R37 D80K4
4.2	1120	323	17800	1.35	FF	77 R37 D80K4
5.3	890	257	9660	0.90	FA	67 R37 D80K4
5.9	790	231	10600	1.05	FAF	67 R37 D80K4
6.6	705	205	11200	1.15	F	67 R37 D80K4
7.8	600	175	11900	1.35	FF	67 R37 D80K4
2.5	2140	276.77	35100	2.0	FA	97 D90L8
2.7	1960	253.41	35500	2.2	FAF	97 D90L8
3.0	1730	223.88	35900	2.5	F	97 D90L8
2.5	2090	270.68	26200	1.45	FF	97 D90L8
2.7	1970	255.37	26500	1.50	FA	87 D90L8
3.0	1770	228.93	27100	1.70	FAF	87 D90L8
3.5	1520	197.20	27800	1.95	F	87 D90L8
3.3	1580	270.68	27600	1.90	FF	87 D90L8
3.5	1490	255.37	27800	2.0	FA	87 D80N6
3.9	1340	228.93	28200	2.2	FAF	87 D80N6
4.6	1150	197.20	28700	2.6	F	87 D80N6
5.0	1050	179.97	28900	2.9	FF	87 D80N6
4.0	1320	225.79	16800	1.15		
4.5	1160	198.31	17600	1.30	FA	77 D80N6
4.8	1100	188.40	17900	1.35	FAF	77 D80N6
5.4	970	166.47	18400	1.55	F	77 D80N6
6.3	830	142.27	18900	1.80	FF	77 D80N6
6.9	760	130.42	19100	1.95		
6.0	870	225.79	18800	1.70		
6.9	765	198.31	19100	1.95		
7.2	730	188.40	19200	2.1		
8.2	645	166.47	19400	2.3	FA	77 D80K4
9.6	550	142.27	19600	2.7	FAF	77 D80K4
10	505	130.42	19700	3.0	F	77 D80K4
12	440	114.45	19800	3.4	FF	77 D80K4
13	420	108.46	19800	3.6		
14	365	94.93	19900	4.1		
7.0	755	195.39	10900	1.10		
8.0	660	170.85	11500	1.25		
8.4	625	162.31	11700	1.30		
9.6	550	142.40	12200	1.50	FA	67 D80K4
11	465	120.79	12600	1.75	FAF	67 D80K4
12	420	109.04	12700	1.95	F	67 D80K4
14	370	95.94	12900	2.2	FF	67 D80K4
15	350	90.59	13000	2.3		
17	310	79.76	13000	2.7		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted Overhung Load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.55kw						
8.7	605	157.09	9150	1.00		
10	525	136.16	9750	1.15		
11	490	127.27	9980	1.20	FA	57 D80K4
12	425	110.01	10400	1.40	FAF	57 D80K4
15	360	93.47	10800	1.65	F	57 D80K4
16	320	83.46	11000	1.85	FF	57 D80K4
19	280	72.98	11200	2.1		
20	265	68.22	11300	2.3		
23	230	58.97	11500	2.6		
13	405	105.09	5840	1.00		
15	345	89.29	6620	1.15		
17	310	79.72	6990	1.30	FA	47 D80K4
20	265	68.09	7370	1.50	FAF	47 D80K4
21	250	65.36	7440	1.60	F	47 D80K4
24	220	56.49	7670	1.85	FF	47 D80K4
28	185	48.00	7850	2.2		
32	166	42.86	7940	2.4		
23	225	58.32	3890	0.90		
25	210	54.54	4140	0.95		
26	200	51.70	4300	1.00		
29	182	47.02	4540	1.10	FA	37 D80K4
31	169	43.83	4680	1.20	FAF	37 D80K4
36	148	38.31	4900	1.35	F	37 D80K4
38	139	35.91	4980	1.45	FF	37 D80K4
43	122	31.69	4990	1.65		
48	109	28.09	4870	1.85		
57	92	23.88	4700	2.2		
58	91	23.63	4690	2.2		
66	79	20.57	4540	2.5		
71	74	19.27	4470	2.7		
80	66	17.03	4340	3.0		
95	55	14.33	4150	3.6		
106	50	12.87	4030	4.0		
123	43	11.08	3870	4.4	FA	37 D80K4
130	40	10.42	3810	4.6	FAF	37 D80K4
152	35	8.97	3650	5.1	F	37 D80K4
170	31	8.01	3540	5.5	FF	37 D80K4
183	29	7.44	3440	5.1		
202	26	6.74	3340	5.4		
225	23	6.05	3240	5.8		
261	20	5.21	3100	6.2		
277	19	4.90	3050	6.3		
322	16	4.22	2920	6.8		
361	15	3.77	2820	7.2		
0.75kW						
0.76	8360	1826	48000	0.90		
0.86	7400	1597	50500	1.05		
0.98	6470	1401	52900	1.20	FA	107 R77 D80N4
1.1	5690	1243	54800	1.35	FAF	107 R77 D80N4
1.3	5040	1087	56200	1.50	F	107 R77 D80N4
1.5	4350	950	57700	1.75	FF	107 R77 D80N4
1.7	3800	834	58800	2.0		
2.2	2940	640	60500	2.6		
3.2	2000	436	62200	3.8		
1.4	4810	1022	22800	0.90		
1.5	4150	898	30300	1.05		
1.8	3660	784	31700	1.20	FA	97 R57 D80N4
2.0	3190	690	32900	1.35	FAF	97 R57 D80N4
2.3	2800	605	33800	1.55	F	97 R57 D80N4
2.6	2440	529	34500	1.75	FF	97 R57 D80N4
3.0	2160	467	35100	2.0		
3.4	1860	406	35600	2.3		
3.8	1670	363	36000	2.6		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted Overhung Load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.75kW						
2.0	3120	674	14700	0.95		
2.3	2830	609	23600	1.05	FA	87 R57 D80N4
2.7	2390	515	25200	1.25	FAF	87 R57 D80N4
3.0	2100	452	26100	1.45	F	87 R57 D80N4
4.0	1590	345	27600	1.90	FF	87 R57 D80N4
3.8	1720	367	14100	0.85	FA	77 R37 D80N4
4.3	1520	323	15600	1.00	FAF	77 R37 D80N4
4.9	1310	280	16900	1.15	F	77 R37 D80N4
					FF	77 R37 D80N4
2.7	2640	254.40	61100	2.9	FA	107 D100M8
					FAF	107 D100M8
					F	107 D100M8
					FF	107 D100M8
2.5	2870	276.77	33600	1.50	FA	97 D100M8
2.7	2630	253.41	34100	1.65	FAF	97 D100M8
3.1	2320	223.88	34800	1.85	F	97 D100M8
					FF	97 D100M8
3.2	2200	276.77	35000	1.95	FA	97 D90S6
3.5	2020	253.41	35400	2.1	FAF	97 D90S6
4.0	1780	223.88	35800	2.4	F	97 D90S6
					FF	97 D90S6
3.3	2150	270.68	26000	1.40		
3.5	2030	255.37	26300	1.50	FA	87 D90S6
3.9	1820	228.93	27000	1.65	FAF	87 D90S6
4.6	1570	197.20	27600	1.90	F	87 D90S6
5.0	1430	179.97	28000	2.1	FF	87 D90S6
5.6	1270	156.61	28400	2.4		
5.1	1400	270.68	28100	2.1	FA	87 D80N4
5.4	1330	255.37	28200	2.3	FAF	87 D80N4
6.0	1190	228.93	28600	2.5	F	87 D80N4
					FF	87 D80N4
4.5	1580	198.31	15200	0.95	FA	77 D90S6
4.8	1500	188.40	15700	1.00	FAF	77 D90S6
5.4	1320	166.47	16800	1.15	F	77 D90S6
6.3	1130	142.27	17800	1.30	FF	77 D90S6
6.9	1040	130.42	18200	1.45		
6.1	1170	225.79	17600	1.30	FA	77 D80N4
7.0	1030	198.31	18200	1.45	FAF	77 D80N4
7.3	980	188.40	18400	1.55	F	77 D80N4
					FF	77 D80N4
8.3	860	160.47	18800	1.75	FA	77 D80N4
9.7	740	142.27	19200	2.0	FAF	77 D80N4
11	675	130.42	19300	2.2	F	77 D80N4
12	595	114.45	19500	2.5	FF	77 D80N4
13	565	108.46	19600	2.7		
8.1	890	170.85	9670	0.90	FA	67 D80N4
8.5	840	162.31	10100	0.95	FAF	67 D80N4
9.7	740	142.40	11000	1.10	F	67 D80N4
11	625	120.79	11700	1.30	FF	67 D80N4
13	565	109.04	12100	1.45		
14	500	95.94	12400	1.65	FA	67 D80N4
15	470	90.59	12500	1.75	FAF	67 D80N4
17	415	79.76	12800	2.0	F	67 D80N4
20	350	67.65	13000	2.3	FF	67 D80N4
23	315	61.07	13000	2.6		
11	660	127.27	5290	0.90		
13	570	110.01	9420	1.05		
15	485	93.47	10000	1.25	FA	57 D80N4
17	435	83.46	10400	1.40	FAF	57 D80N4
19	380	72.98	10700	1.60	F	57 D80N4
20	355	68.22	10800	1.70	FF	57 D80N4
23	305	58.97	11100	1.95		
28	260	50.10	11300	2.3		
31	230	44.73	11400	2.6		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted Overhung Load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.75kW						
17	415	79.72	5060	0.95	FA	47 D80N4
20	355	68.09	6520	1.15	FAF	47 D80N4
21	340	65.36	6680	1.20	F	47 D80N4
					FF	47 D80N4
24	295	56.49	7120	1.35		
29	250	48.00	7470	1.60	FA	47 D80N4
32	220	42.86	7640	1.80	FAF	47 D80N4
38	190	36.61	7820	2.1	F	47 D80N4
40	178	34.29	7850	2.2	FF	47 D80N4
48	150	28.88	7540	2.7		
29	245	47.02	3530	0.80		
31	230	43.83	3850	0.90	FA	37 D80N4
36	199	38.31	4310	1.00	FAF	37 D80N4
38	186	35.91	4480	1.05	F	37 D80N4
44	165	31.69	4620	1.20	FF	37 D80N4
49	146	28.09	4540	1.35		
58	124	23.88	4410	1.60		
58	123	23.63	4400	1.65		
67	107	20.57	4290	1.85		
72	100	19.27	4240	2.0		
81	88	17.03	4130	2.3		
96	74	14.33	3970	2.7		
107	67	12.87	3870	3.0		
125	58	11.08	3730	3.3	FA	37 D80N4
132	54	10.42	3680	3.4	FAF	37 D80N4
154	47	8.97	3540	3.8	F	37 D80N4
205	35	6.74	3250	4.0	FF	37 D80N4
228	31	6.05	3150	4.3		
265	27	5.21	3030	4.6		
282	25	4.90	2970	4.7		
327	22	4.22	2850	5.0		
366	20	3.77	2760	5.4		
1.1kW						
1.1	8360	1243	48000	0.90		
1.3	7370	1087	50600	1.05	FA	107 R77 D90S4
1.5	6390	950	53100	1.20	FAF	107 R77 D90S4
1.7	5590	834	55000	1.35	F	107 R77 D90S4
1.9	4910	736	56500	1.55	FF	107 R77 D90S4
2.2	4310	640	57800	1.80		
2.0	4670	690	27800	0.90		
2.3	4100	605	30500	1.05	FA	97 R57 D90S4
2.7	3580	529	31900	1.20	FAF	97 R57 D90S4
3.0	3160	467	32900	1.35	F	97 R57 D90S4
3.5	2730	406	33900	1.55	FF	97 R57 D90S4
3.8	2450	363	34500	1.75		
3.1	3070	452	16900	1.00	FA	87 R57 D90S4
4.1	2330	345	25400	1.30	FAF	87 R57 D90S4
4.7	2020	300	26400	1.50	F	87 R57 D90S4
5.6	1670	249	27400	1.80	FF	87 R57 D90S4
2.7	3930	254.40	58600	1.95	FA	107 D100L8
3.2	3330	215.37	59800	2.3	FAF	107 D100L8
3.4	3080	199.31	60200	2.5	F	107 D100L8
3.8	2760	178.64	60800	2.8	FF	107 D100L8
3.3	3160	276.77	32900	1.35	FA	97 D90L6
3.6	2890	253.41	33600	1.50	FAF	97 D90L6
4.1	2560	223.88	34300	1.70	F	97 D90L6
4.8	2170	189.92	35100	2.0	FF	97 D90L6
5.3	2000	174.87	35400	2.2		
5.1	2080	276.77	35200	2.1	FA	97 D90S4
5.5	1900	253.41	35600	2.3	FAF	97 D90S4
6.2	1680	223.88	36000	2.6	F	97 D90S4
					FF	97 D90S4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{ra} [N]	使用系数 Service factor f_a	机型号 Model		
1.1kW							
3.4	3090	270.68	16000	0.95			
3.6	2920	255.37	22700	1.05	FA	87	D90L6
4.0	2610	228.93	24400	1.15	FAF	87	D90L6
4.7	2250	197.20	25700	1.35	F	87	D90L6
5.1	2050	179.97	26300	1.45	FF	87	D90L6
5.8	1820	159.61	27000	1.65			
5.2	2030	270.68	26300	1.50	FA	87	D90S4
5.5	1920	255.37	26700	1.55	FAF	87	D90S4
6.1	1720	228.93	27200	1.75	F	87	D90S4
7.1	1480	197.20	27900	2.0	FF	87	D90S4
7.8	1350	179.97	28200	2.2	FA	87	D90S4
8.8	1200	159.61	28500	2.5	FAF	87	D90S4
10	1010	134.16	29000	3.0	F	87	D90S4
11	930	123.29	29100	3.2	FF	87	D90S4
7.1	1490	198.31	15800	1.00	FA	77	D90S4
7.4	1410	188.40	16300	1.05	FAF	77	D90S4
8.4	1250	166.47	17200	1.20	F	77	D90S4
9.8	1070	142.27	18000	1.40	FF	77	D90S4
11	980	130.42	18400	1.55			
12	860	114.45	18800	1.75	FA	77	D90S4
13	810	108.46	18900	1.85	FAF	77	D90S4
15	710	94.93	19200	2.1	F	77	D90S4
16	640	85.52	19400	2.3	FF	77	D90S4
19	565	75.02	19600	2.7			
12	910	120.79	9460	0.90			
13	820	109.04	10300	1.00			
15	720	95.94	11100	1.15			
15	680	90.59	11400	1.20			
18	600	79.76	11900	1.35	FA	67	D90S4
21	510	67.65	12400	1.60	FAF	67	D90S4
23	460	61.07	12600	1.80	F	67	D90S4
26	405	53.73	12800	2.0	FF	67	D90S4
28	380	50.74	12900	2.2			
32	325	43.20	13000	2.5			
36	295	39.26	13000	2.7			
41	255	34.01	13000	2.9			
17	625	83.46	8470	0.95			
19	550	72.98	9590	1.10			
21	510	68.22	9840	1.15			
24	440	58.97	10300	1.35	FA	57	D90S4
28	375	50.10	10700	1.60	FAF	57	D90S4
31	335	44.73	10700	1.80	F	57	D90S4
37	285	38.21	10400	2.1	FF	57	D90S4
39	270	35.79	10200	2.2			
46	225	30.15	9810	2.6			
25	425	56.49	3730	0.95	FA	47	D90S4
29	360	48.00	6440	1.10	FAF	47	D90S4
					F	47	D90S4
					FF	47	D90S4
33	320	42.86	6860	1.25	FA	47	D90S4
38	275	36.61	7280	1.45	FAF	47	D90S4
41	255	34.29	7260	1.55	F	47	D90S4
48	215	28.88	7040	1.85	FF	47	D90S4
45	230	30.86	7130	1.75	FA	47	D90S4
48	220	29.32	7060	1.80	FAF	47	D90S4
54	193	25.72	6880	2.1	F	47	D90S4
64	164	21.82	6640	2.4	FF	47	D90S4
71	148	19.70	6490	2.7			
44	240	31.69	3660	0.85	FA	37	D90S4
50	210	28.09	3970	1.95	FAF	37	D90S4
59	179	23.88	3930	1.10	F	37	D90S4
					FF	37	D90S4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{ra} [N]	使用系数 Service factor f_a	机型号 Model		
1.1kW							
68	154	20.57	3870	1.30			
73	145	19.27	3740	1.40			
82	128	17.03	3780	1.55			
98	108	14.33	3680	1.85			
109	97	12.87	3610	2.1			
126	83	11.08	3500	2.3	FA	37	D90S4
134	78	10.42	3460	2.4	FAF	37	D90S4
156	67	8.97	3350	2.6	F	37	D90S4
175	60	8.01	3260	2.8	FF	37	D90S4
208	51	6.74	3090	2.8			
231	45	6.05	3010	3.0			
269	39	5.21	2900	3.2			
286	37	4.90	2860	3.3			
332	32	4.22	2750	3.5			
372	28	3.77	2670	3.7			
1.5kW							
1.5	8730	950	46900	0.90			
1.7	7640	834	49900	1.00			
1.9	6730	736	52300	1.15	FA	107 R77	D90L4
2.2	5890	640	54300	1.30	FAF	107 R77	D90L4
2.5	5110	560	56100	1.50	F	107 R77	D90L4
2.9	4460	489	57500	1.70	FF	107 R77	D90L4
3.2	4010	436	58400	1.90			
3.8	3400	370	59600	2.3			
2.7	4880	529	19800	0.90	FA	97 R57	D90L4
3.0	4310	467	29900	1.00	FAF	97 R57	D90L4
3.5	3730	406	31500	1.15	F	97 R57	D90L4
3.9	3340	363	32500	1.30	FF	97 R57	D90L4
4.1	3180	345	11100	0.95	FA	87 R57	D90L4
4.7	2760	300	23900	1.10	FAF	87 R57	D90L4
5.7	2290	249	25500	1.30	F	87 R57	D90L4
					FF	87 R57	D90L4
2.8	5210	254.40	55900	1.50	FA	107	D112M8
3.2	4410	215.37	57600	1.75	FAF	107	D112M8
3.5	4080	199.31	58300	1.90	F	107	D112M8
3.9	3660	178.64	59100	2.1	FF	107	D112M8
3.6	3960	254.40	58500	1.95	FA	107	D100M6
4.3	3350	215.37	59700	2.3	FAF	107	D100M6
4.6	3100	199.31	60200	2.5	F	107	D100M6
5.2	2780	178.64	60800	2.8	FF	107	D100M6
3.3	4310	276.77	29900	1.00	FA	97	D100M6
3.6	3950	253.41	30900	1.10	FAF	97	D100M6
4.1	3490	223.88	32100	1.25	F	97	D100M6
4.8	2960	189.92	33400	1.45	FF	97	D100M6
5.3	2720	174.87	33900	1.60			
5.1	2810	276.77	33700	1.55	FA	97	D90L4
5.6	2570	253.41	34300	1.65	FAF	97	D90L4
6.3	2270	223.88	34900	1.90	F	97	D90L4
7.4	1930	189.92	35500	2.2	FF	97	D90L4
8.1	1780	174.87	35800	2.4			
5.2	2750	270.68	23900	1.10	FA	87	D90L4
5.5	2590	255.37	24500	1.15	FAF	87	D90L4
6.2	2330	228.93	24600	1.30	F	87	D90L4
7.2	2000	197.20		1.50	FF	87	D90L4
7.8	1830	179.97	26900	1.65	FA	87	D90L4
8.8	1620	159.61	27500	1.85	FAF	87	D90L4
11	1360	134.16	28200	2.2	F	87	D90L4
13	1110	109.49	28700	2.7	FF	87	D90L4
14	990	97.89	29000	3.0			
8.5	1690	166.47	14300	0.90	FA	77	D90L4
9.9	1450	142.27	16100	1.05	FAF	77	D90L4
11	1320	130.42	16800	1.15	F	77	D90L4
12	1160	114.45	17600	1.30	FF	77	D90L4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{ra} [N]	使用系数 Service factor f_a	机型号 Model		
1.5kW							
13	1100	108.46	17900	1.35			
15	960	94.93	18400	1.55			
16	870	85.52	18800	1.75			
19	760	75.02	19100	1.95			
19	735	72.50	19200	2.0	FA	77	D90L4
21	675	66.46	19300	2.2	FAF	77	D90L4
24	595	58.32	19500	2.5	F	77	D90L4
26	560	55.27	19600	2.7	FF	77	D90L4
29	490	48.37	19700	3.0			
32	445	43.58	19800	3.4			
37	390	38.23	19900	3.9			
39	370	36.58	19900	3.0	FA	77	D90L4
45	320	31.51	20000	4.3	FAF	77	D90L4
					F	77	D90L4
					FF	77	D90L4
16	920	90.59	9300	0.90			
18	810	79.76	10400	1.00			
21	685	67.65	11400	1.20	FA	67	D90L4
23	620	61.07	11800	1.30	FAF	67	D90L4
26	545	53.73	12200	1.50	F	67	D90L4
28	515	50.74	12300	1.60	FF	67	D90L4
33	440	43.20	12700	1.85			
36	400	39.26	12800	1.95			
39	370	36.30	12900	2.2	FA	67	D90L4
44	325	32.08	13000	2.5	FAF	67	D90L4
51	280	27.41	13000	2.9	F	67	D90L4
56	255	25.13	13000	3.2	FF	67	D90L4
24	600	58.97	9210	1.00			
28	510	50.10	9860	1.20	FA	57	D90L4
32	455	44.73	9990	1.30	FAF	57	D90L4
37	390	38.21	9740	1.55	F	57	D90L4
39	365	35.79	9620	1.65	FF	57	D90L4
47	305	30.15	9310	1.95			
33	435	42.86	575	0.90	FA	47	D90L4
39	370	36.61	6300	1.10	FAF	47	D90L4
41	350	34.29	6580	1.15	F	47	D90L4
49	295	28.88	6500	1.35	FF	47	D90L4
46	315	30.86	6550	1.30			
48	300	29.32	6510	1.35			
55	260	25.72	6390	1.55	FA	47	D90L4
65	220	21.82	6230	1.80	FAF	47	D90L4
72	200	19.70	6110	2.0	F	47	D90L4
81	176	17.33	5970	2.3	FF	47	D90L4
86	166	16.36	5900	2.4			
101	142	13.93	5700	2.8			
69	210	20.57	3410	0.95			
73	196	19.27	3410	1.00			
83	173	17.03	3400	1.15			
98	146	14.33	3350	1.35			
110	131	12.87	3310	1.55			
127	113	11.08	3250	1.70	FA	37	D90L4
135	106	10.42	3220	1.75	FAF	37	D90L4
157	91	8.97	3140	1.90	F	37	D90L4
176	81	8.01	3080	2.1	FF	37	D90L4
209	69	6.74	2920	2.0			
233	62	6.05	2850	2.2			
271	53	5.21	2770	2.4			
288	50	4.90	2730	2.4			
334	43	4.22	2640	2.6			
374	38	3.77	2570	2.7			
2.2kW							
2.2	8700	640	47000	0.90			
2.5	7580	560	50100	1.00	FA	107 R 77	D100M4
2.9	6610	489	52500	1.15	FAF	107 R 77	D100M4
3.2	5930	436	54200	1.30	F	107 R 77	D100M4
3.8	5030	370	56300	1.55	FF	107 R 77	D100M4
4.2	4520	333	57300	1.70			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{ra} [N]	使用系数 Service factor f_a	机型号 Model		
2.2kW							
3.9	4940	363	16500	0.85	FA	97 R 57	D100M4
4.9	3890	285	31100	1.10	FAF	97 R 57	D100M4
5.8	3340	245	32500	1.30	F	97 R 57	D100M4
					FF	97 R 57	D100M4
2.8	7640	254.40	49900	1.00	FA	107	D132S8
3.2	6460	215.37	52900	1.20	FAF	107	D132S8
3.5	5980	199.31	54100	1.30	F	107	D132S8
3.9	5360	178.64	55500	1.45	FF	107	D132S8
3.7	5690	254.40	54800	1.35	FA	107	D112M6
4.4	4810	215.37	56700	1.60	FAF	107	D112M6
4.7	4450	199.31	57500	1.70	F	107	D112M6
5.3	3990	178.64	58400	1.90	FF	107	D112M6
5.5	3790	254.40	58900	2.0	FA	107	D100M4
6.6	3210	215.37	60000	2.4	FAF	107	D100M4
7.1	2970	199.31	60400	2.6	F	107	D100M4
7.9	2660	178.64	61000	2.9	FF	107	D100M4
4.2	5000	223.88	12400	0.85	FA	97	D112M6
4.9	4240	189.92	30100	1.00	FAF	97	D112M6
5.4	3910	174.87	31000	1.10	F	97	D112M6
6.0	3490	156.30	32100	1.25	FF	97	D112M6
5.1	4120	276.77	30400	1.05			
5.6	3780	253.41	31400	1.15			
6.3	3340	233.88	32500	1.30	FA	97	D100M4
7.4	2830	189.92	33700	1.50	FAF	97	D100M4
8.1	2610	174.87	34200	1.65	F	97	D100M4
9.0	2330	156.30	34800	1.85	FF	97	D100M4
10	2100	140.71	35200	2.0			
11	1900	127.42	35600	2.3			
7.2	2940	197.20	22000	1.00	FA	87	D100M4
7.8	2680	179.97	24200	1.10	FAF	87	D100M4
8.8	2380	159.61	25200	1.25	F	87	D100M4
11	2000	134.16	26400	1.50	FF	87	D100M4
11	1840	123.29	26900	1.65			
13	1630	109.49	27500	1.85			
14	1460	97.89	27900	2.1	FA	87	D100M4
16	1310	88.01	28300	2.3	FAF	87	D100M4
18	1140	76.39	27800	2.6	F	87	D100M4
21	1020	68.40	27100	2.9	FF	87	D100M4
25	850	56.75	25900	3.5			
28	750	50.36	25200	3.9			
31	675	45.28	24500	4.2			
12	1710	114.45	14200	0.90	FA	77	D100M4
13	1620	108.46	14900	0.95	FAF	77	D100M4
15	1410	94.93	16300	1.05	F	77	D100M4
16	1270	85.52	17100	1.20	FF	77	D100M4
19	1120	75.02	17800	1.35			
21	990	66.46	18300	1.50	FA	77	D100M4
24	870	58.32	18800	1.75	FAF	77	D100M4
26	820	55.27	18900	1.80	F	77	D100M4
29	720	48.37	19200	2.1	FF	77	D100M4
32	650	43.58	19400	2.3			
39	545	36.58	19600	2.0	FA	77	D100L4
45	470	31.51	19700	2.9	FAF	77	D100L4
49	430	28.75	19800	3.3	F	77	D100L4
55	380	25.50	19900	4.0	FF	77	D100L4
23	910	61.07	9420	0.90			
26	800	53.73	10500	1.00	FA	67	D100L4
28	755	50.74	10800	1.10	FAF	67	D100L4
33	645	43.20	11600	1.25	F	67	D100L4
36	585	39.26	12000	1.35	FF	67	D100L4
41	505	34.01	12400	1.45			
44	480	32.08	12500	1.70			
51	410	27.41	12800	2.0	FA	67	D100L4
56	375	25.13	12900	2.2	FAF	67	D100L4
64	330	22.05	13000	2.5	F	67	D100L4
67	310	20.90	13000	2.6	FF	67	D100L4
77	275	18.29	13000	3.0			
32	665	44.73	4480	0.90	FA	57	D100L4
37	570	38.21	8660	1.05	FAF	57	D100L4
39	535	35.79	8620	1.15	F	57	D100L4
47	450	30.15	8460	1.30	FF	57	D100L4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
2.2kW					
56	370	24.96	8240	1.55	FA 57 D100L4
67	315	21.17	8020	1.90	FAF 57 D100L4
74	285	19.11	7870	2.1	F 57 D100L4
84	250	16.81	7670	2.4	FF 57 D100L4
89	235	15.88	7580	2.5	
55	385	25.72	5560	1.05	
65	325	21.82	5520	1.25	
72	295	19.70	5480	1.35	FA 47 D100L4
81	260	17.33	5410	1.55	FAF 47 D100L4
86	245	16.36	5370	1.65	F 47 D100L4
101	210	13.93	5250	1.95	FF 47 D100L4
111	189	12.66	5170	2.1	
129	163	10.97	5040	2.5	
157	133	8.96	4740	2.5	
98	215	14.33	2790	0.95	
110	192	12.87	2810	1.05	
127	165	11.08	2820	1.15	
135	155	10.42	2810	1.20	
157	134	8.97	2790	1.30	FA 37 D100L4
176	119	8.01	2770	1.40	FAF 37 D100L4
209	100	6.74	2630	1.40	F 37 D100L4
233	90	6.05	2590	1.50	FF 37 D100L4
271	78	5.21	2540	1.60	
288	73	4.90	2520	1.65	
334	63	4.22	2460	1.75	
374	56	3.77	2400	1.85	
3.0kW					
3.2	8170	436	48500	0.95	FA 107 R 77 D100L4
3.8	6930	370	51800	1.10	FAF 107 R 77 D100L4
4.2	6240	333	53500	1.25	F 107 R 77 D100L4
4.8	5460	291	55300	1.40	FF 107 R 77 D100L4
3.7	7750	245.40	49600	1.00	FA 107 D132S6
4.4	6560	215.37	52700	1.15	FAF 107 D132S6
4.7	6070	199.31	53900	1.25	F 107 D132S6
5.3	5440	178.64	55300	1.40	FF 107 D132S6
5.5	5210	254.40	55900	1.50	FA 107 D100L4
6.5	4410	215.37	57600	1.75	FAF 107 D100L4
7.0	4080	199.31	58300	1.90	F 107 D100L4
7.8	3660	178.64	59100	2.1	FF 107 D100L4
8.7	3300	161.28	59800	2.3	
6.2	4580	223.88	29000	0.95	FA 97 D100L4
7.4	3890	189.92	31100	1.10	FAF 97 D100L4
8.0	3580	174.87	31900	1.20	F 97 D100L4
					FF 97 D100L4
9.0	3200	157.30	32800	1.35	
9.9	2880	140.71	33600	1.50	FA 97 D100L4
11	2610	127.42	34200	1.65	FAF 97 D100L4
12	2310	112.99	24800	1.85	F 97 D100L4
14	2090	102.16	35200	2.1	FF 97 D100L4
16	1840	89.85	35700	2.3	
10	2750	134.16	23900	1.10	FA 87 D100L4
11	2520	123.29	24700	1.20	FAF 87 D100L4
13	2240	109.49	25700	1.35	F 87 D100L4
					FF 87 D100L4
14	2000	97.89	26400	1.50	
16	1800	88.01	26900	1.65	FA 87 D100L4
18	1560	76.39	26300	1.90	FAF 87 D100L4
20	1400	68.40	25700	2.1	F 87 D100L4
25	1160	56.75	24800	2.6	FF 87 D100L4
28	1030	50.36	24100	2.8	
16	1750	85.52	13800	0.85	FA 77 D100L4
19	1540	75.02	15500	1.00	FAF 77 D100L4
21	1360	66.46	16600	1.10	F 77 D100L4
24	1190	58.32	17500	1.25	FF 77 D100L4
25	1130	55.27	17800	1.35	FA 77 D100L4
29	990	48.37	18300	1.50	FAF 77 D100L4
32	890	43.58	18700	1.70	F 77 D100L4
37	780	38.23	19000	1.90	FF 77 D100L4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
3.0kW					
38	750	36.58	19100	1.50	FA 77 D100L4
44	645	31.51	19400	2.1	FAF 77 D100L4
49	590	28.75	19500	2.4	F 77 D100L4
55	520	25.50	19700	2.9	FF 77 D100L4
65	440	21.43	19800	3.4	
32	880	43.20	9690	0.95	FA 67 D100L4
36	800	39.26	10500	0.95	FAF 67 D100L4
41	695	34.01	11300	1.05	F 67 D100L4
					FF 67 D100L4
44	655	32.08	11600	1.25	
51	560	27.41	12100	1.45	
56	515	25.13	12300	1.60	FA 67 D100L4
63	450	22.05	12600	1.80	FAF 67 D100L4
67	430	20.90	12700	1.90	F 67 D100L4
77	375	18.29	12900	2.2	FF 67 D100L4
85	335	16.48	13000	2.4	
97	295	14.46	13000	2.8	
56	510	24.96	7440	1.15	
66	435	21.17	7340	1.40	
73	390	19.11	7260	1.55	FA 57 D100L4
83	345	16.81	7140	1.75	FAF 57 D100L4
88	325	15.88	7080	1.85	F 57 D100L4
104	275	13.52	6890	2.2	FF 57 D100L4
114	250	12.29	6780	2.4	
132	220	10.64	6590	2.8	
71	405	19.70	4750	1.00	
81	355	17.33	4760	1.15	FA 47 D100L4
86	335	16.36	4760	1.20	FAF 47 D100L4
100	285	13.93	4740	1.40	F 47 D100L4
111	260	12.66	4700	1.55	FF 47 D100L4
128	225	10.97	4640	1.80	
156	183	8.96	4370	1.80	
126	225	11.08	2320	0.85	
134	215	10.42	2350	0.85	
156	184	8.97	2390	0.95	
175	164	8.01	2410	1.05	FA 37 D100L4
208	138	6.74	2290	1.00	FAF 37 D100L4
231	124	6.05	2300	1.10	F 37 D100L4
269	107	5.21	2290	1.15	FF 37 D100L4
286	100	4.90	2280	1.20	
332	86	4.22	2250	1.25	
372	77	3.77	2220	1.35	
4.0kW					
4.3	8230	333	48300	0.95	FA 107 R 97 D112M4
4.9	7190	291	51100	1.05	FAF 107 R 77 D112M4
5.6	6310	255	53300	1.20	F 107 R 77 D112M4
					FF 107 R 77 D112M4
4.2	9060	170.83	90000	1.30	FA 107 R 97 D112M4
4.7	8150	153.67	90000	1.45	FAF 107 R 77 D112M4
5.7	6650	125.37	90000	1.80	F 107 R 77 D112M4
					FF 107 R 77 D112M4
5.6	6840	254.40	52000	1.10	
6.6	5790	215.37	54500	1.35	
7.1	5360	199.31	55500	1.45	
7.9	4810	178.64	56700	1.60	FA 107 D112M4
8.8	4340	161.28	57700	1.75	FAF 107 D112M4
9.7	3940	146.49	58500	1.95	F 107 D112M4
11	3500	129.97	59400	2.2	FF 107 D112M4
12	3170	117.94	60100	2.4	
14	2730	101.38	60900	2.8	
8.1	4700	174.87	26600	0.90	FA 97 D112M4
9.1	4200	156.30	30200	1.00	FAF 97 D112M4
10	3780	140.71	31400	1.15	F 97 D112M4
11	3430	127.42	32300	1.25	FF 97 D112M4
13	3040	112.99	33200	1.40	
14	2750	102.16	33900	1.55	FA 97 D112M4
15	2620	97.58	34100	1.65	FAF 97 D112M4
16	2420	89.85	34600	1.80	F 97 D112M4
18	2160	80.31	35100	2.0	FF 97 D112M4
20	1940	72.29	35500	2.2	
22	1760	65.47	35800	2.4	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
4.0kW					
13	2950	109.49	21700	1.00	FA 87 D112M4
15	2630	97.89	24300	1.15	FAF 87 D112M4
16	2370	88.01	24600	1.25	F 87 D112M4
					FF 87 D112M4
19	2050	76.39	24200	1.45	
21	1840	68.40	23900	1.65	FA 87 D112M4
25	1530	56.75	23200	1.95	FAF 87 D112M4
28	1350	50.36	22800	2.2	F 87 D112M4
31	1220	45.28	22300	2.3	FF 87 D112M4
21	1790	66.46	13400	0.85	FA 77 D112M4
24	1570	58.32	15200	0.95	FAF 77 D112M4
26	1490	55.27	15800	1.00	F 77 D112M4
29	1300	48.37	16900	1.15	FF 77 D112M4
33	1170	43.58	17600	1.30	
37	1030	38.23	18200	1.45	FA 77 D112M4
42	910	33.74	18600	1.65	FAF 77 D112M4
47	800	29.91	19000	1.85	F 77 D112M4
56	685	25.54	19300	2.1	FF 77 D112M4
45	850	31.51	18800	1.65	
49	775	28.75	19100	1.85	FA 77 D112M4
56	685	25.50	19300	2.2	FAF 77 D112M4
66	575	21.43	19500	2.6	F 77 D112M4
72	530	19.70	19600	2.8	FF 77 D112M4
52	735	27.41	11000	1.10	
57	675	25.13	11400	1.20	
64	595	22.05	11900	1.40	
68	560	20.90	12100	1.45	
78	490	18.29	12400	1.65	
86	445	16.48	12700	1.85	
98	390	14.46	12900	2.1	
111	345	12.76	13000	2.4	FA 67 D112M4
126	305	11.31	13000	2.7	FAF 67 D112M4
147	260	9.66	13000	3.2	F 67 D112M4
156	245	9.08	13000	2.2	FF 67 D112M4
165	230	8.60	12800	2.5	
189	205	7.53	12400	3.0	
209	183	6.78	12100	3.4	
239	160	5.95	11700	3.8	
270	141	5.25	11400	4.2	
305	125	4.66	11000	4.5	
357	107	3.97	10600	4.7	
67	570	21.17	6490	1.05	
74	515	19.11	6490	1.15	
84	450	16.81	6450	1.35	
89	425	15.88	6430	1.40	
105	365	13.52	6340	1.65	FA 57 D112M4
116	330	12.29	6270	1.80	FAF 57 D112M4
133	285	10.64	6150	2.1	F 57 D112M4
153	250	9.31	5850	1.70	FF 57 D112M4
173	220	8.19	5730	1.90	
184	210	7.73	5680	2.0	
216	177	6.58	5510	2.4	
237	161	5.98	5410	4.6	
274	139	5.18	5250	3.0	
5.5kW					
6.6	7910	215.37	49200	0.95	FA 107 D132S4
7.2	7320	199.31	50800	1.05	FAF 107 D132S4
8.0	6560	178.64	52700	1.15	F 107 D132S4
8.9	5920	161.28	54200	1.30	FF 107 D132S4
9.8	5380	146.49	55500	1.45	
11	4770	129.97	56800	1.60	FA 107 D132S4
12	4330	117.94	57700	1.75	FAF 107 D132S4
14	3720	101.38	59000	2.1	F 107 D132S4
15	3400	92.47	59600	2.3	FF 107 D132S4
16	3250	88.49	59900	2.4	
17	3080	83.99	60200	2.5	
11	4680	127.42	27400	0.90	FA 97 D132S4
13	4150	112.99	30300	1.05	FAF 97 D132S4
14	3750	102.16	31400	1.15	F 97 D132S4
					FF 97 D132S4

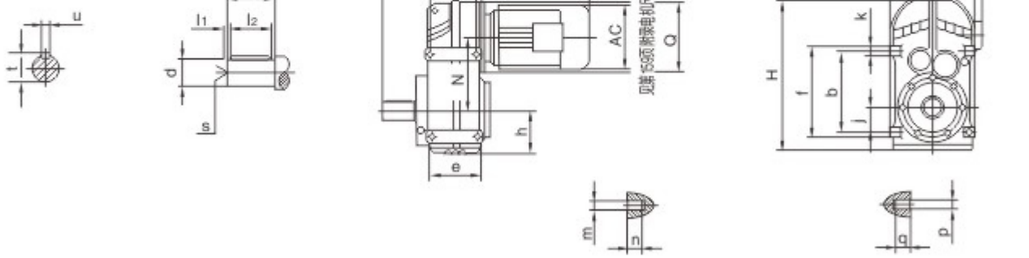
输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
5.5kW					
15	3580	97.58	31900	1.20	
16	3300	89.85	32600	1.30	
17	3180	86.59	32900	1.35	
18	2950	80.31	33400	1.45	FA 97 D132S4
19	2780	75.63	33800	1.55	FAF 97 D132S4
20	2660	72.29	34100	1.60	F 97 D132S4
22	2400	65.47	34600	1.80	FF 97 D132S4
25	2130	58.06	34500	2.0	
27	1930	52.49	33900	2.2	
16	3230	88.01	5760	0.95	FA 87 D132S4
19	2810	76.39	21200	1.05	FAF 87 D132S4
21	2510	68.40	21200	1.20	F 87 D132S4
25	2080	56.75	21000	1.45	FF 87 D132S4
28	1850	50.36	20800	1.60	
32	1660	45.28	20500	1.70	FA 87 D132S4
36	1440	39.30	20100	1.90	FAF 87 D132S4
41	1290	35.19	19800	2.0	F 87 D132S4
49	1070	29.20	19100	2.3	FF 87 D132S4
42	1250	33.92	19700	2.1	FA 87 D132S4
50	1060	28.78	19100	2.3	FAF 87 D132S4
54	970	26.50	18800	3.1	F 87 D132S4
60	870	23.68	18400	3.5	FF 87 D132S4
30	1780	48.37	13500	0.85	
33	1600	43.58	15000	0.95	FA 77 D132S4
37	1400	38.23	16300	1.05	FAF 77 D132S4
42	1240	33.74	17300	1.20	F 77 D132S4
48	1100	29.91	17900	1.35	FF 77 D132S4
56	940	25.54	18500	1.55	
56	940	25.5	18500	1.60	
67	785	21.43	19000	1.90	FA 77 D132S4
73	725	19.70	19200	2.1	FAF 77 D132S4
82	645	17.49	19400	2.3	F 77 D132S4
91	575	15.64	19600	2.6	FF 77 D132S4
102	515	14.06	19300	2.9	
117	450	12.20	18600	3.3	
65	810	22.05	10400	1.00	
68	770	20.90	10800	1.05	
78	670	18.29	11500	1.20	
87	605	16.48	11900	1.35	
99	530	14.46	12300	1.55	
112	470	12.76	12500	1.75	FA 67 D132S4
126	415	11.31	12800	1.95	FAF 67 D132S4
148	355	9.66	12900	2.3	F 67 D132S4
158	335	9.08	12400	1.60	FF 67 D132S4
166	315	8.60	12300	1.80	
190	275	7.53	12000	2.2	
211	250	6.78	11700	2.5	
240	220	5.95	11400	2.8	
272	193	5.25	11100	3.1	
307	171	4.66	10700	3.3	
360	146	3.97	10300	3.4	
85	620	16.81	5450	0.95	
90	585	15.88	5470	1.05	
106	495	13.52	5530	1.20	
116	450	12.29	5530	1.35	FA 57 D132S4
134	390	10.64	5510	1.55	FAF 57 D132S4
175	300	8.19	5190	1.40	F 57 D132S4
185	285	7.73	5160	1.50	FF 57 D132S4
217	240	6.58	5070	1.75	
239	220	5.98	5010	1.90	
276	190	5.18	4900	2.2	
7.5kW					
8.0	8950	178.64	46300	0.85	FA 107 D132M4
8.9	8080	161.28	48700	0.95	FAF 107 D132M4
9.8	7340	146.49	50700	1.05	F 107 D132M4
11	6510	129.97	52800	1.20	FF 107 D132M4

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor fB			机型号 Model
7.5kW							
12	5910	117.94	54200	1.30			
14	5080	101.38	56100	1.50			
15	4630	92.47	57100	1.65	FA	107	D132M4
16	4430	88.49	57500	1.75	FAF	107	D132M4
17	4210	83.99	58000	1.85	F	107	D132M4
19	3730	74.52	59000	2.1	FF	107	D132M4
21	3390	67.62	59600	2.3			
15	4890	97.58	19300	0.90			
16	4500	89.85	29300	0.95	FA	97	D132M4
17	4340	86.59	29800	1.00	FAF	97	D132M4
18	4020	80.31	30700	1.05	F	97	D132M4
19	3790	75.63	31300	1.15	FF	97	D132M4
20	3620	72.29	31800	1.20			
22	3280	65.47	32200	1.30			
25	2910	58.06	31800	1.50	FA	97	D132M4
27	2630	52.49	31400	1.65	FAF	97	D132M4
32	2230	44.49	30600	1.95	F	97	D132M4
37	1950	38.86	29900	2.2	FF	97	D132M4
44	1630	32.50	28900	2.6			
33	2170	43.28	30500	1.40	FA	97	D132M4
39	1840	36.64	29600	1.65	FAF	97	D132M4
42	1700	33.91	29200	2.5	F	97	D132M4
47	1520	30.39	28500	2.8	FF	97	D132M4
25	2840	56.75	18100	1.05			
28	2520	50.36	18200	1.15	FA	87	D132M4
32	2270	45.28	18200	1.25	FAF	87	D132M4
36	1970	39.30	18100	1.40	F	87	D132M4
41	1760	35.19	18000	1.50	FF	87	D132M4
49	1460	29.20	17600	1.70			
50	1440	28.78	17600	1.70			
54	1330	26.50	17400	2.3	FA	87	D132M4
60	1190	23.68	17100	2.5	FAF	87	D132M4
67	1070	21.32	16800	2.8	F	87	D132M4
74	970	19.31	16500	3.1	FF	87	D132M4
84	860	17.12	16200	3.5			
92	775	15.48	15900	3.9			
42	1690	33.74	14300	0.90	FA	77	D132M4
48	1500	29.91	15700	1.00	FAF	77	D132M4
56	1280	25.54	17000	1.15	F	77	D132M4
					FF	77	D132M4
56	1280	25.50	17100	1.15			
67	1070	21.43	18000	1.40			
73	990	19.70	18400	1.50			
82	880	17.49	18800	1.70			
91	785	15.64	19000	1.90			
102	705	14.06	18600	2.1			
117	610	12.20	18000	2.5	FA	77	D132M4
131	545	10.93	17600	2.7	FAF	77	D132M4
154	465	9.30	16500	2.3	F	77	D132M4
173	415	8.26	16100	2.6	FF	77	D132M4
194	370	7.39	15700	2.9			
215	335	6.64	15300	3.2			
248	290	5.76	14800	3.7			
277	260	5.16	14500	4.2			
334	215	4.28	13800	4.7			
11.0kW							
12	8600	117.94	47300	0.90	FA	107	D160M4
14	7400	101.38	50600	1.05	FAF	107	D160M4
16	6750	92.47	52200	1.15	F	107	D160M4
					FF	107	D160M4
17	6130	83.99	53700	1.25			
19	5440	74.52	55300	1.40	FA	107	D160M4
21	4930	67.62	56500	1.55	FAF	107	D160M4
25	4240	58.12	56400	1.80	F	107	D160M4
28	3700	50.73	55100	2.1	FF	107	D160M4
33	3140	43.03	53500	2.5			

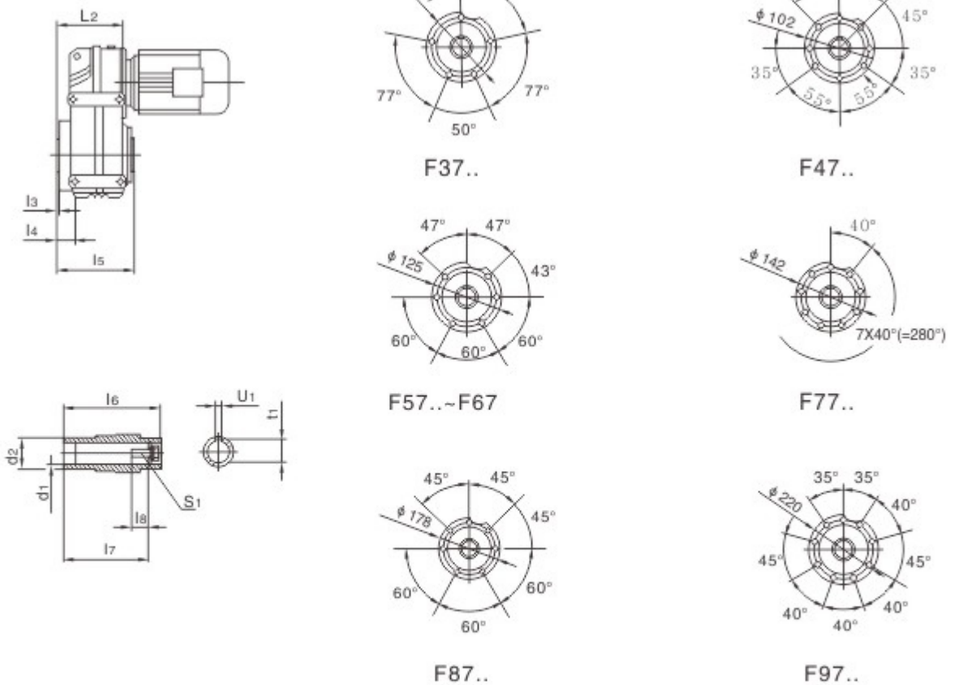
输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B			机型号 Model
11.0kW							
43	2470	33.79	51000	3.0	FA	107	D160M4
52	2010	27.57	48800	3.9	FAF	107	D160M4
57	1830	25.14	47800	4.3	F	107	D160M4
					FF	107	D160M4
22	4780	65.47	24000	0.90	FA	97	D160M4
25	4240	58.06	27100	1.00	FAF	97	D160M4
27	3830	52.49	27100	1.10	F	97	D160M4
					FF	97	D160M4
32	3250	44.49	27000	1.30	FA	97	D160M4
37	2830	38.86	26700	1.50	FAF	97	D160M4
44	2370	32.50	26200	1.80	F	97	D160M4
					FF	97	D160M4
42	2470	33.91	26400	1.75			
47	2220	30.39	26000	1.95	FA	97	D160M4
52	2000	27.44	25600	2.2	FAF	97	D160M4
58	1820	24.92	25200	2.4	F	97	D160M4
65	1610	22.11	24700	2.7	FF	97	D160M4
37	2870	39.30	14600	0.95	FA	87	D160M4
41	2570	35.19	14800	1.00	FAF	87	D160M4
49	2130	29.20	15000	1.20	F	87	D160M4
					FF	87	D160M4
54	1930	26.50	15000	1.55			
61	1730	23.68	15000	1.75	FA	87	D160M4
68	1560	21.32	14900	1.95	FAF	87	D160M4
75	1410	19.31	14800	2.1	F	87	D160M4
84	1250	17.12	14600	2.4	FF	87	D160M4
93	1130	15.48	14400	2.7			
110	960	13.12	14100	3.1			
73	1440	19.70	16100	1.05			
82	1280	17.49	17100	1.20			
92	1140	15.64	17600	1.30			
102	1030	14.06	17400	1.45			
118	890	12.20	17000	1.70	FA	77	D160M4
132	795	10.93	16700	1.90	FAF	77	D160M4
155	680	9.30	15500	1.60	F	77	D160M4
174	605	8.26	15200	1.80	FF	77	D160M4
195	540	7.39	14900	2.0			
217	485	6.64	14600	2.2			
250	420	5.76	14200	2.6			
279	375	5.16	13900	2.9			
336	310	4.28	13300	3.2			
15.0kW							
16	9070	92.47	45900	0.85	FA	107	D160L4
17	8680	88.49	47100	0.90	FAF	107	D160L4
17	8240	83.99	48300	0.95	F	107	D160L4
20	7310	74.52	50800	1.05	FF	107	D160L4
22	6630	67.62	52500	1.15			
25	5700	58.12	52200	1.35	FA	107	D160L4
29	4980	50.73	51500	1.55	FAF	107	D160L4
34	4220	43.03	50400	1.80	F	107	D160L4
39	3690	37.61	49300	2.1	FF	107	D160L4
46	3120	31.80	48000	2.5			
43	3320	33.79	48500	2.2	FA	107	D160L4
53	2700	27.57	46700	2.9	FAF	107	D160L4
58	2470	25.14	45900	3.2	F	107	D160L4
67	2130	21.76	44500	3.7	FF	107	D160L4
33	4360	44.49	22900	1.00	FA	97	D160L4
38	3810	38.86	23100	1.15	FAF	97	D160L4
45	3190	32.50	23200	1.35	F	97	D160L4
					FF	97	D160L4
43	3330	33.91	23200	1.30			
48	2980	30.39	23200	1.45			
53	2690	27.44	23100	1.60			
59	2450	24.92	22900	1.75	FA	97	D160L4
66	2170	22.11	22600	2.0	FAF	97	D160L4
73	1970	20.07	22400	2.2	F	97	D160L4
85	1690	17.25	21900	2.5	FF	97	D160L4
97	1480	15.06	21400	2.9			
114	1250	12.77	20800	3.4			
131	1100	11.16	20200	3.7			

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B			机型号 Model
15.0kW							
55	2600	26.50	12300	1.15			
62	2320	23.68	12600	1.30			
68	2090	21.32	12700	1.45			
76	1890	19.31	12800	1.60			
85	1680	17.12	12900	1.80			
94	1520	15.48	12800	2.0	FA	87	D160L4
111	1290	13.12	12700	2.3	FAF	87	D160L4
127	1120	11.46	12600	2.7	F	87	D160L4
152	940	9.58	12300	3.1	FF	87	D160L4
176	810	8.29	11700	1.90			
199	720	7.35	11500	2.1			
220	650	6.65	11300	2.3			
259	555	5.63	11000	2.8			
297	485	4.92	10700	3.2			
355	405	4.12	10300	3.6			
18.5kW							
20	8990	74.52	46200	0.85	FA	107	D180M4
22	8150	67.62	48500	0.95	FAF	107	D180M4
25	7010	58.12	48700	1.10	F	107	D180M4
29	6120	50.73	48400	1.25	FF	107	D180M4
34	5190	43.03	47700	1.50	FA	107	D180M4
39	4540	37.61	47000	1.70	FAF	107	D180M4
46	3830	31.80	46000	2.0	F	107	D180M4
					FF	107	D180M4
43	4070	33.79	46400	1.80	FA	107	D180M4
53	3320	27.57	45000	2.4	FAF	107	D180M4
58	3030	25.14	44300	2.6	F	107	D180M4
67	2620	21.76	43200	3.0	FF	107	D180M4
					FA	97	D180M4
38	4690	38.86	20000	0.90	FAF	97	D180M4
45	3920	32.50	20600	1.10	F	97	D180M4
					FF	97	D180M4
53	3310	27.44	20900	1.30			
59	3010	24.92	20900	1.45			
66	2670	22.11	20900	1.60	FA	97	D180M4
73	2420	20.07	20800	1.80	FAF	97	D180M4
85	2080	17.25	20500	2.1	F	97	D180M4
97	1820	15.06	20200	2.4	FF	97	D180M4
115	1540	12.77	19800	2.8			
131	1350	11.16	19300	3.0			
69	2570	21.32	10900	1.15			
76	2330	19.31	11100	1.30			
86	2060	17.12	11400	1.45			
95	1870	15.48	11500	1.60			
112	1580	13.12	11600	1.90	FA	87	D180M4
128	1380	11.46	11600	2.2	FAF	87	D180M4
153	1160	9.58	11500	2.5	F	87	D180M4
177	1000	8.29	10900	1.55	FF	87	D180M4
199	890	7.35	10800	1.75			
220	800	6.65	10700	1.90			
260	680	5.63	10400	2.2			
298	595	4.92	10200	2.6			
356	495	4.12	9900	2.9			

F37..~F107..



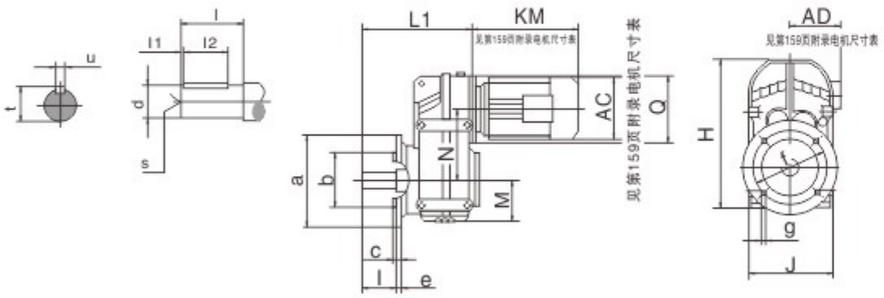
FA37B..~FA107B..



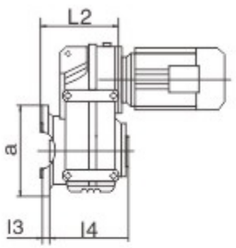
型号 Model	a b	e f	g	h	j	k	m n	P q	轴伸尺寸 Shaft dimension				
									d	l	l1 l2	s	t u
F37.. FA37B..	77 115	95 135	72.5	76	31	20	M8 11	M8 11	25k6	50	5 40	M10	28 8
F47.. FA47B..	93 145	109 165	91	77	43	20	M8 11	M10 15	30k6	60	3.5 50	M10	33 8
F57 FA57B..	102 170	126 195	104.5	93	55	25	M12 17	M12 17	35k6	70	7 56	M12	38 10
F67.. FA67B..	112 190	131 215	118.5	97	60	25	M12 17	M12 17	40k6	80	5 70	M16	43 12
F77.. FA77B..	140 240	165 275	137.5	121	70	35	M12 17	M16 26	50k6	100	10 80	M16	53.5 14
F87.. FA87B..	165 310	195 350	163	152	100	40	M16 26	M16 26	60m6	120	5 110	M20	64 18
F97.. FA97B..	205 350	240 400	190.5	178	120	50	M16 26	M20 28	70m6	140	7.5 125	M20	74.5 20
F107.. FA107B..	220 400	260 460	241.5	200	125	60	/ /	M24 36	90m6	170	5 160	M24	95 25

型号 Model	空心轴尺寸 Hollow Shaft dimension								HJ	L1	L2	N	Q
	d1	d2	l3 l4	l5	L6 l7	l8	s1	t1 u1					
F37.. FA37B..	30H7	45	2.5 22.5	123	120 105	17	M10X25	33.3 8	252 165	160	110	112	120
F47.. FA47B..	35H7	50	3 31	153	150 132	22	M10X25	38.3 10	269 180	193	133	128.1	120
F57 FA57B..	40H7	55	3 33.5	170	166 142	29	M16X40	43.3 12	317 200	221	150	136	160
F67.. F67B..	40H7	55	3.5 37	184	180 156	29	M16X40	43.3 12	343 212	242	161	159.5	160
F77.. FA77B..	50H7	70	4 36.5	213	210 183	32	M16X45	53.8 14	426 270	294	193	200	200
F87.. FA87B..	60H7	85	4 43	243	240 210	36	M20X50	64.4 18	531 330	344	224	246.7	250
FA97.. FA97B..	70H7	95	4 48.5	303	300 270	34	M20X50	74.9 20	623 400	416	274	285	300
F107.. FA107B..	90H7	118	2.5 69.5	353	350 313	40	M24X60	95.4 25	717 450	484	312	332.4	350

FF37..~FF107..



FAF37..~FAF107..



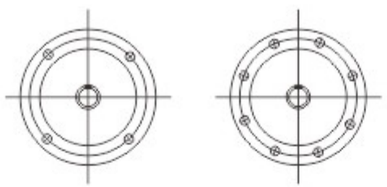
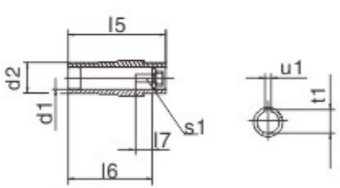


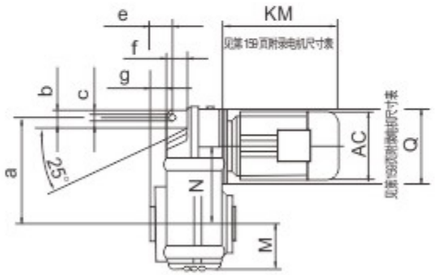
Fig.1 Fig.2

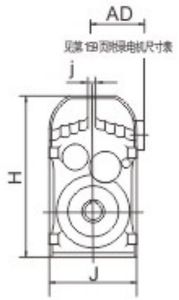
法兰安装
flange form

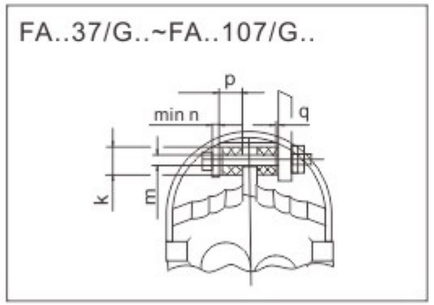


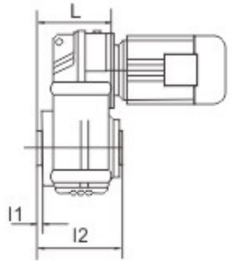
型号 Model	法兰型式 flasnge form	a b	c e	f g	轴升尺寸 Shaft dimension d l	l1 l2	s	t u	d1 d2	l3 l4	l5 l6	l7 l8	t1 u1	H J	L1 L2	M N Q
FF37.. FAF37..	Fig.1	160 110j6	3.5 10	130 9	25k6 50	5 40	M10	28 8	30H7 45	24 123	120 105	17 M10x25	33.3 8	252 165	184 138	76 112 120
FF47.. FAF47..	Fig.1	200 130j6	3.5 12	165 11	30k6 60	3.5 50	M10	33 8	35H7 50	25 153	150 132	22 M10x25	38.3 10	269 180	218 162	77 128.1 120
FF57.. FAF57..	Fig.1	250 180j6	4 15	215 13.5	35k6 70	7 56	M12	38 10	40H7 55	23.5 170	166 142	29 M16x40	43.3 12	317 200	243 177	93 136 160
FF67.. FAF67..	Fig.1	250 180j6	4 15	215 13.5	40k6 80	5 70	M16	43 12	40H7 55	23 184	180 156	29 M16x40	43.3 12	343 212	264 188	97 159.5 160
FF77.. FAF77..	Fig.1	300 230h6	4 16	265 13.5	50k6 100	10 80	M16	53.5 14	50H7 70	37 213	210 183	32 M16x45	53.8 14	426 270	330 234	121 200 200
FF87.. FAF87..	Fig.1	350 250h6	5 18	300 17.5	60m6 120	5 110	M20	64 18	60H7 85	30 243	240 210	36 M20x50	64.4 18	531 330	374 259	152 246.7 250
FF97.. FAF97..	Fig.2	450 350h6	5 22	400 17.5	70m6 140	7.5 125	M20	74.5 20	70H7 95	41.5 303	300 270	34 M20x50	74.9 20	623 400	456 321	178 285 300
FF107.. FAF107..	Fig.2	450 350h6	5 22	400 17.5	90m6 170	5 160	M24	95 25	90H7 118	41 353	350 313	40 M24x60	95.4 25	717 450	523 358	200 332.4 350

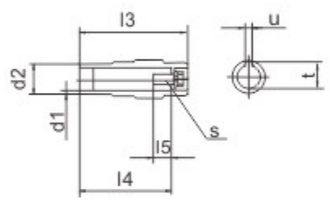
FA37..~FA107..



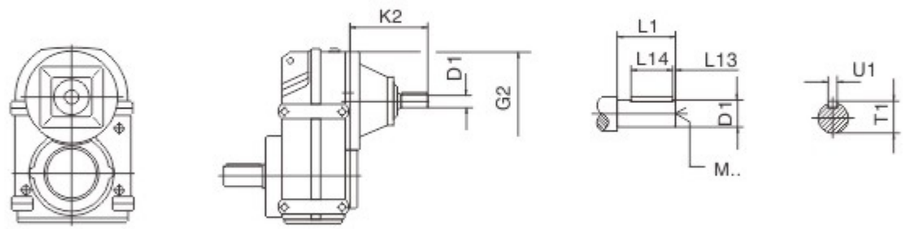








型号 Model	a b	c e	f g	空心轴尺寸 Hollow Shaft Dimension d1 d2	l1 l2	l3 l4	l5 s	t u	扭矩臂尺寸 torque arm form K M N	p q	H J	L	M	N Q
FA37.. FA..37/G..	158 30	14 31.5	46 15	30H7 45	0.5 123	120 105	17 M10X25	33.3 8	40 12.5 5	20 1	252 172	110	76	112 120
FA47.. FA..47/G..	170 22	14 32	64 12	35H7 50	1 153	150 132	22 M10X25	38.3 10	40 12.5 5	20 1.8	269 189	133	77	128.1 120
FA57.. FA..57/G..	198 31	14 40.5	60 19.5	40H7 55	1 170	166 142	29 M16X40	43.3 12	40 12.5 5	20 2.4	317 210	150	93	136 160
FA67.. FA..67/G..	218 40	14 41	65 21	40H7 55	1 184	180 156	29 M16X40	43.3 12	40 12.5 5	20 3	343 223	161	97	159.5 160
FA77.. FA..77/G..	278 49	22 50	69 28	50H7 70	1 213	210 183	32 M16X45	53.8 14	60 21 10	30 3.2	426 282	193	121	200 200
Fa87.. FA..87/G..	346 57	22 62	79 32	60H7 85	1 243	240 210	36 M20X50	64.4 18	60 21 10	30 4.5	531 336	224	152	246.7 250
FA97.. FA..97/G..	395 88	26 70	104 34	70H7 95	1 303	300 270	34 M20X50	74.9 20	80 25 12	40 5	623 414	274	178	285 300
FA107.. FA..107/G..	485 108	26 88	100 57	80H7 118	2.5 353	350 313	40 M24X60	95.4 25	80 25 12	40 6	717 456	312	200	332.4 350



		G2	K2	D1	L1	L13	L14	T1	U1	M
F..37 F..47	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
F..57 F..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
F..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
F..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
F..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16
F..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
	AD6		321	48	110	10	80	51.5	14	M16

Fig.1

Fig.2

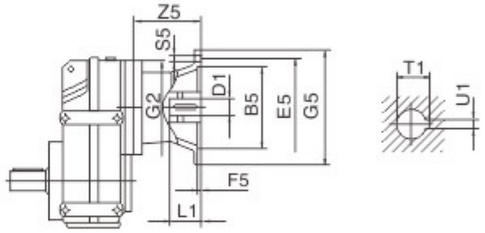
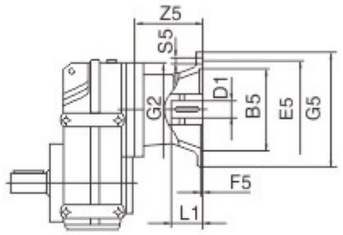


		Fig.	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
F..37 F..47	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71[1]		110	130			160			14	30	16.3	5
	AM80[1]		130	165	4.5		200	M10	106	19	40	21.8	6
	AM90[1]									24	50	27.3	8
F..57 F..67	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	99	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1]		180	215	5		250	M12	134	28	60	31.3	8
	AM112[1]												
F..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	92	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1]		180	215	5		250	M12	126	28	60	31.3	8
	AM112[1]												
	AM132S[1] AM132M[1]		230	265			300		179	38	80	41.3	10
	AM132ML[1]												
F..87	AM80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100		180	215	5		250	M12	121	28	60	31.3	8
	AM112												
	AM132S AM132M		230	265			300		174	38	80	41.3	10
	AM132ML												
	AM160[1]		250	300	6		350	M16	232	42	110	45.3	12
	AM180[1]									48		51.8	14
F..97	AM100	1	180	215	5	300	250	M12	116	28	60	31.3	8
	AM112												
	AM132S AM132M		230	265			300		169	38	80	41.3	10
	AM132ML												
	AM160		250	300	6		350	M16	227	42	110	45.3	12
	AM180									48		51.8	14

F..AM..

Fig.1

Fig.2



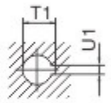
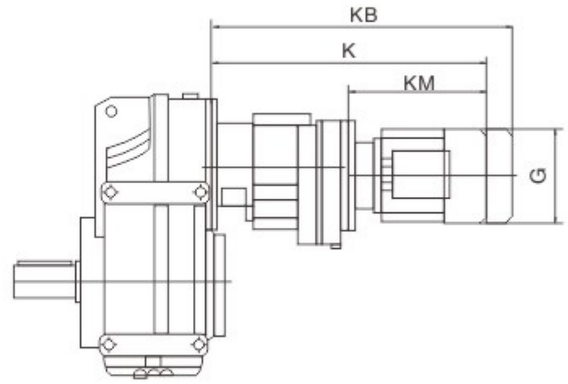


		Fig.	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
F..107	AM100	1	180	215	5	350	250	M12	110	28	60	31.3	8
	AM112												
	AM132S AM132M		230	265			300		163	38	80	41.3	10
	AM132ML												
	AM160		250	300	6		350	M16	221	42	110	45.3	12
	AM180									48		51.8	14

F..R..



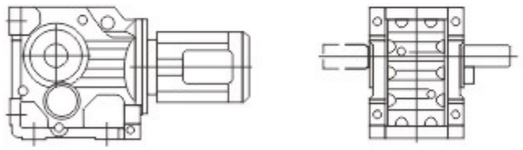
		G	K	KB	KM
F..57R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
F..67R37	D63..	155	410	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
	D90..	210	451	536	286
F..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
F..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	210	495	559	279
	D90..	210	495	580	279
	D100M	210	545	630	329
	D100L	210	565	650	349
F..97R57	D63..	155	440	497	229
	D71D	155	440	504	229
	D80..	155	490	554	279
	D90..	210	510	595	299
	D100M	210	540	625	329
	D100L	210	560	645	349
	D112M	240	575	655	364

		G	K	KB	KM
F..107R77	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
	D90..	210	518	603	271
	D100M	210	568	653	321
	D100L	210	588	673	341
	D112M	240	602	682	355
	D132S	240	647	727	400
	D132M	285	699	811	452
	D132ML	285	719	831	472
	D160M	330	749	871	512

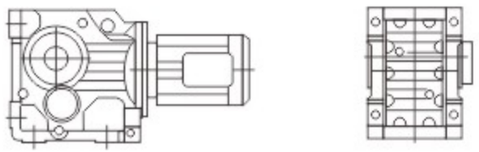
7.K 系列斜齿轮 — 伞齿轮减速机
K Helical–Bevel Geared Motor

7.1 设计方案
7.1 Versions of geared motors

斜齿轮 — 伞齿轮减速电机有以下设计方案：
The following types of helical–bevel geared motor can be supplied:

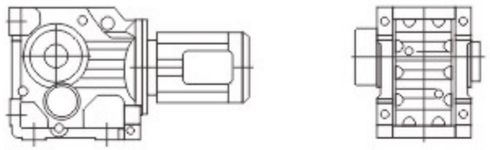


K..D..
底脚安装齿轮--伞齿轮减速电机
Foot – mounted helical – bevel geared motor

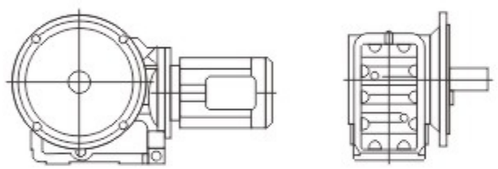


KA..B D..
底脚空心轴安装斜齿轮--伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft.

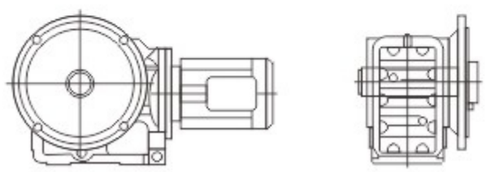
KV..B D..
底脚花键空心轴(DIN5480)安装斜齿轮--伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft and splined hollow shaft to DIN 5480



KH..B D..
底脚空心轴锁紧盘安装斜齿轮--伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft and shrink disk

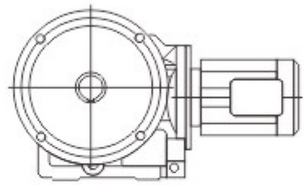


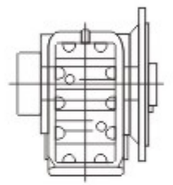
KF..D..
B5 法兰安装斜齿轮--伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version



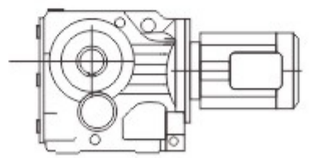
KAF..D..
B5 法兰空心轴安装斜齿轮--伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version with hollow shaft.

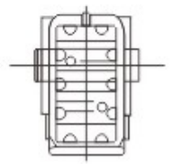
KVF..D..
B5 法兰花键空心轴（DIN5480）安装斜齿轮--伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version with hollow shaft and splined hollow shaft to DIN 5480.





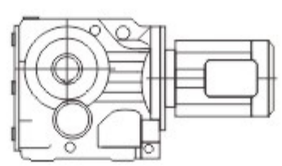
KHF..D..
B5 法兰空心轴锁紧盘安装斜齿轮——伞齿轮减速电机
Helical–bevel geared motor in B5 flange –mounted version with hollow shaft and shrink disk

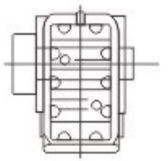




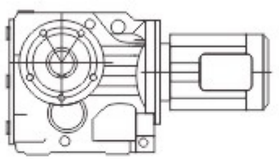
KA..D..
空心轴安装斜齿轮——伞齿轮减速电机
Helical–bevel geared motor with hollow shaft

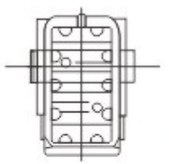
KV..D..
花键空心轴(DIN 5480)安装斜齿轮——伞齿轮减速电机
Helical–bevel geared motor with hollow shaft and splined hollow shaft to DIN 5480.





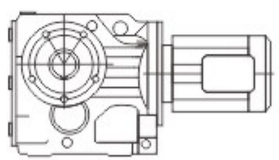
KH..D..
空心轴锁紧盘安装斜齿轮——伞齿轮减速电机
Helical–bevel geared motor with hollow shaft and shrink disk

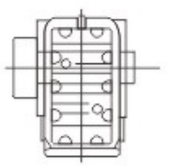




KAZ..D..
B14法兰空心轴安装斜齿轮——伞齿轮减速机
Helical–bevel geared motor in B14 flange–mounted version with hollow shaft

KVZ..D..
B14法兰花键空心轴(DIN 5480)安装斜齿轮——伞齿轮减速电机
Helical–bevel geared motor in B14 flange–mounted version with hollow shaft and splined hollow to DIN 5480.





KHZ..D..
B14法兰空心轴锁紧盘安装斜齿轮——伞齿轮减速电机
Helical–bevel geared motor in B14 flange–mounted version with hollow shaft and shrink disk

7.2可行的组合方式
7.2 Type of Combination

以下是斜齿轮——伞齿轮减速机与交流（带制动）电机的组合列表。表中给出了每种组合的速比范围。
The below is combination table between gear box and electro motor in each list the ratio range.

减速器型号 Gear unit size	级 Stages	D163 D71	D80	D90	D100	D112	D132S	D132M
K/KF/KA/KAF37	3	5. 36-106. 38	5. 36-83.69	5.36-24.99 29.96-72.54	5.36-10.49 13.08-20.19 29.96-58.60			
K/KF/KA/KAF47	3	7. 36-11. 77 13. 65-31. 30 39. 61-131. 87	5.81-104.37	5.81-90.86	5.81-21.81 25.91 35.39-63.30 75.20			
K/KF/KA/KAF57	3	9. 59-11. 92 19. 34-35. 70 48. 89-145. 14	7.55-11.92 15.22-123.85	6.57-108.29	6.57-90.26	6.57-30.28 38.49-76.56		
K/KF/KA/KAF67	3	10. 63-12. 48 19. 30-35. 62 48. 77-144. 79	8.37-12.48 15.19-123.54	7.28-108.03	7.28-90.04	7.28-30.22 38.39-76.37	7.28-24.00 38.39-60.66	7.28-24.00 38.39-60.66
K/KF/KA/KAF77	3	25. 62-38. 39 64. 75-192. 18	10.84-12.36 20.25-38.39 51.18-154.02	7.24-135.28	7.24-113.56	7.24-97.05	7.24-30.89 40.04-78.07	7.24-30.89 40.04-78.07
K/KF/KA/KAF87	3		16.00 27.88-31.39 70.46-197.37	11.17 16.00 19.45-31.39 49.16-174.19	8.29-11.17 14.45-147.32	8.29-11.17 14.45-126.91	7.21-102.71	7.21-102.71
K/KF/KA/KAF97	3			24.75-38.30 62.55-176.05	18.96-38.30 47.93-176.05	18.96-38.30 47.93-153.21	8.71-123.93	8.71-123.93
K/KF/KA/KAF107	3				13.43 22.62-29.00 32.69 57.17-143.47	13.43 22.62-29.00 32.69 57.17-143.47	8.69-29.00 32.69-143.47	8.69-29.00 32.69-143.47

减速器型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180
K/KF/KA/KAF77	3	7. 24-23.08 40.04-58.34	7. 24-23.08 40.04-58.34		
K/KF/KA/KAF87	3	7. 21-79.34	7. 21-79.34	7. 21-79.34	7. 21-14.45 17.42-24.92 36.52-63.00
K/KF/KA/KAF97	3	8.71-96.80	8.71-96.80	8.71-96.80	8.71-30.82 41.87-77.89
K/KF/KA/KAF107	3	8.69-112.41	8.69-112.41	8.69-112.41	8.69-90.96

7.3 速比与最大扭矩
7.3 Ratio and Max. Torque
K 37–57,K 37R, K47 R n_a=1400 r/min

K37 200Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
106.38	13	200	5640	
97.81	14	200	5640	
83.69	17	200	5640	
72.54	19	200	5520	
67.80	21	200	5360	AD_1
58.60	24	200	5020	
49.79	28	200	4660	
44.46	31	200	4420	
37.97	37	200	4100	
35.57	39	200	3970	
29.96	47	200	3650	
28.83	49	200	3580	
24.99	56	200	3330	
23.36	60	195	3260	
20.19	69	185	3110	
17.15	82	180	2900	AD_2
15.31	91	175	2780	
13.08	107	165	2650	
12.14	115	160	2600	
10.49	133	160	2410	
8.91	157	160	2200	
7.96	176	155	2110	
6.80	206	150	1980	
6.37	220	145	1950	
5.36	261	140	1810	

K47 400Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
131.87	11	400	5920	
121.48	12	400	5920	
104.37	13	400	5920	
90.86	15	400	5920	
85.12	16	400	5920	
75.20	19	400	5920	
69.84	20	400	5920	
63.30	22	400	5920	
56.83	25	400	5920	
48.95	29	400	5920	
46.03	30	400	5920	
39.61	35	400	5920	AD_2
35.39	40	400	5920	
31.30	45	400	5700	
29.32	48	400	5520	
25.91	54	400	5170	
24.06	58	400	4970	
21.81	64	400	4710	
19.58	72	400	4440	
16.86	83	380	4230	
15.86	88	380	4080	
13.65	103	360	3890	
12.19	115	350	3720	
11.77	119	280	4060	
10.56	133	280	3830	
9.10	154	280	3540	
8.56	164	270	3500	
7.36	190	250	3390	
6.58	213	240	3270	AD_1
5.81	241	230	3140	

K57 600Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
145.14	9.6	600	7470	
123.85	11	600	7470	
108.29	13	600	7470	
102.88	14	600	7470	
90.26	16	600	7470	
76.56	18	600	7470	
69.12	20	600	7470	
60.81	23	600	7470	
57.42	24	600	7470	
48.89	29	600	7470	
44.43	32	600	7470	AD_2
38.49	36	600	7470	
35.70	39	600	7470	
30.28	46	600	7310	
27.34	51	600	6930	
24.05	58	600	6480	
22.71	62	600	6280	
19.34	72	575	5910	
17.57	80	555	5740	
15.22	92	535	5430	
13.25	106	510	5190	
11.92	107	415	5150	
11.26	124	415	4990	
9.59	146	405	4650	AD_1
8.71	161	390	4520	
7.55	185	365	4360	
6.57	213	345	4190	

K37R 200Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
78.14	18	150	6120	
71.84	19	150	6000	
61.47	23	150	5620	
53.28	26	150	5300	AD_1
49.80	28	150	5150	
43.05	33	150	4850	
36.58	38	150	4520	
32.66	43	150	4300	
27.89	50	150	4020	
26.92	52	200	3510	
26.13	54	150	3900	
24.75	57	180	3540	
22.01	64	150	3610	
21.18	66	200	3110	AD_2
18.35	76	200	2880	
17.16	82	200	2780	
14.83	94	200	2560	
12.60	111	200	2330	
11.25	124	190	2270	
9.61	146	180	2160	
9.00	156	180	2080	
7.58	185	170	1960	

K47R 400Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
129.32	11	400	5920	
119.13	12	400	5920	
102.13	14	400	5920	
89.10	16	400	5920	
83.47	17	400	5920	
73.74	19	400	5920	
68.49	20	400	5920	
62.49	23	400	5920	
55.73	25	400	5920	
48.00	29	400	5920	
45.14	31	400	5920	
38.85	36	400	5920	
34.71	40	400	5920	
30.69	46	400	5560	AD_2
28.75	49	400	5370	
25.40	55	400	5030	
23.59	59	390	4910	
21.38	65	380	4730	
19.20	73	370	4540	
17.97	78	290	4880	
16.54	85	350	4330	
15.55	90	350	4190	
13.38	105	330	4010	
13.36	105	270	4360	
12.00	117	260	4210	
11.96	117	320	3840	
10.34	135	250	3990	
9.72	144	240	3950	
8.36	167	230	3740	
7.47	187	220	3610	AD_3
6.60	212	210	3480	

K 67–87,K 67R–87 n_a=1400 r/min

K67 820Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
144.79	9.7	820	10300	
123.54	11	820	10300	
108.03	13	820	10300	
102.62	14	820	10300	
90.04	16	820	10300	
76.37	18	820	10300	
68.95	20	820	10300	AD_2
60.66	23	820	10300	
57.28	24	820	10300	
48.77	29	820	10300	
44.32	32	820	10300	
38.39	36	820	10500	
35.62	39	820	10300	
30.22	46	820	10300	
27.28	51	820	10300	
24.00	58	800	10500	
22.66	62	780	10700	
19.30	73	760	10800	
17.54	80	740	11000	
15.19	92	700	11300	AD_3
13.22	106	670	11500	
12.48	112	530	12300	
10.63	132	500	11800	
9.66	145	480	11500	
8.37	167	440	11100	
7.28	192	420	10700	

K77 1550Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
192.18	7.3	1450	16100	
179.37	7.8	1450	16100	
154.02	9.1	1550	15400	
135.28	10	1550	15400	
128.52	11	1550	15400	
113.56	12	1550	15400	
97.05	14	1550	15400	AD_2
88.97	16	1550	15400	
78.07	18	1550	15400	
73.99	19	1550	15400	
64.75	22	1550	15400	
58.34	24	1550	15400	
51.18	27	1550	15400	
45.16	31	1550	15400	
40.04	35	1550	15400	
38.39	36	1550	15400	AD_3
35.20	40	1550	15400	
30.89	45	1550	15400	
29.27	48	1550	15400	
25.62	55	1550	15400	
23.08	61	1550	15400	
20.25	69	1550	15700	
17.87	78	1450	16100	
15.84	88	1400	15500	AD_4
13.52	104	1340	14800	
12.36	113	1000	15100	
10.84	129	990	14400	
9.56	146	940	13900	
8.48	165	890	13500	
7.24	193	820	13100	

K87 2700Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
197.37	7.1	2700	27300	
174.19	8.0	2700	27300	
164.34	8.5	2700	27300	
147.32	9.5	2700	27300	AD_2
126.91	11	2700	27300	
115.82	12	2700	27300	
102.71	14	2700	27300	
86.34	16	2700	27300	
79.34	18	2700	27300	
70.46	20	2700	27300	
63.00	22	2700	26200	
56.64	25	2700	25000	AD_3
49.16	28	2700	23500	
44.02	32	2600	22800	
36.52	38	2500	21400	
31.39	45	2700	19200	
27.88	50	2600	18500	
24.92	56	2500	18000	
22.41	62	2300	17900	
19.45	72	2300	16800	AD_4
17.42	80	2200	16300	
16.00	87	1800	16000	
14.45	97	2100	15300	
12.56	111	2000	14800	
11.17	125	1500	14900	
10.00	140	1500	14200	
8.29	169	1400	13500	AD_5
7.21	194	1300	13200	

K67R 710Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
142.64	9.8	710	11200	
121.71	12	710	11200	
106.43	13	710	11200	
101.10	14	710	11200	
88.71	16	710	11200	
75.24	19	710	11200	
67.93	21	710	11200	AD_2
59.76	23	710	11200	
56.43	25	710	11200	
48.05	29	710	11200	
43.67	32	710	11200	
39.99	35	710	11200	
37.82	37	710	11200	
35.09	40	710	11200	
32.92	43	710	11200	
29.76	47	710	11200	
26.87	52	710	11200	
26.66	53	550	12200	
23.64	59	710	11200	
22.32	63	710	11200	
19.84	71	620	11200	AD_3
19.00	74	710	11200	
17.27	81	710	11200	
14.96	94	710	11200	
14.88	94	550	12200	
13.02	108	660	11500	
12.67	110	510	12400	
11.51	122	500	12400	
9.97	140	460	11200	
8.68	161	440	11500	

K77R 1550Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
192.18	7.3	1450	16100	
179.37	7.8	1450	16100	
154.02	9.1	1550	15400	
135.28	10	1550	15400	
128.52	11	1550	15400	
113.56	12	1550	15400	
97.05	14	1550	15400	AD_2
88.97	16	1550	15400	
78.07	18	1550	15400	
73.99	19	1550	15400	
64.75	22	1550	15400	
58.34	24	1550	15400	
51.18	27	1550	15400	
45.16	31	1550	15400	
40.04	35	1550	15400	
38.39	36	1550	15700	AD_3
35.20	40	1550	15400	
30.89	45	1550	15400	
29.27	48	1550	15400	
25.62	55	1550	15400	
23.08	61	1550	15400	
20.25	69	1550	15700	AD_4
17.87	78	1450	16100	
15.84	88	1400	15500	
13.52	104	1340	14800	

K87R 2700Nm

i	n_a [r/min]	M_{amax} [N/m]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
197.37	7.1	2700	27300	
174.19	8.0	2700	27300	
164.34	8.5	2700	27300	
147.32	9.5	2700	27300	AD_2
126.91	11	2700	27300	
115.82	12	2700	27300	
102.71	14	2700	27300	
86.34	16	2700	27300	
79.34	18	2700	27300	
70.46	20	2700	27300	
63.00	22	2700	26200	
56.64	25	2700	25000	AD_3
49.16	28	2700	23500	
44.02	32	2600	22800	
40.60	34	2570	22100	
36.52	38	2500	21400	
31.76	44	2300	20900	
31.39	45	2700	19200	
27.88	50	2600	18500	
24.92	56	2500	18000	
22.41	62	2300	17900	AD_4
19.45	72	2300	16800	
17.42	80	2200	16300	
14.45	97	2100	15300	
12.56	111	2000	14800	

K97/107, K97R/107R n_a=1400 r/min

K97 4300Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
176.05	8.0	4300	40000	
153.21	9.1	4300	40000	
140.28	10	4300	40000	
123.93	11	4300	40000	
105.13	13	4300	40000	AD3
96.80	14	4300	40000	
86.52	16	4300	38800	
77.89	18	4300	37100	
70.54	20	4300	35600	
62.55	22	4300	33800	
56.55	25	4300	32300	AD4
47.93	29	4300	30000	
41.87	33	4300	28300	
38.30	37	4300	27100	
34.23	41	4300	25700	
30.82	45	4300	24500	
27.91	50	4300	23300	AD5
24.75	57	4300	22000	
22.37	63	4300	20900	
18.96	74	4300	19100	
16.56	85	4300	17800	
13.85	101	4300	16100	AD6
11.99	117	3890	16200	
10.41	134	2870	16400	AD5
8.71	161	2660	15800	AD6

K107 8000Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
143.47	9.8	8000	65000	
121.46	12	8000	61700	
112.41	12	8000	59700	
100.75	14	8000	57000	
90.96	15	8000	54600	AD4
82.61	17	8000	52400	
73.30	19	8000	49700	
66.52	21	8000	47600	
57.17	24	8000	44400	
49.90	28	7840	42200	
42.33	33	7360	40500	
37.00	38	7200	38500	AD5
32.69	43	7200	36300	
31.28	45	6800	36700	
29.00	48	7200	34000	
26.32	53	7200	32000	
22.62	62	7200	28900	
19.74	71	7200	26100	
16.75	84	7050	23600	AD5
14.64	96	6890	21900	
13.43	104	4300	29200	
11.73	119	4300	27500	
9.94	141	4190	25800	
8.69	161	4070	24600	

K97R 4300Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
176.05	8.0	4300	40000	
153.21	9.1	4300	40000	
140.28	10	4300	40000	
123.93	11	4300	40000	
105.13	13	4300	40000	AD3
96.80	14	4300	40000	
86.52	16	4300	38800	
77.89	18	4300	37100	
70.54	20	4300	35600	
62.55	22	4300	33800	
56.55	25	4300	32300	AD4
47.93	29	4300	30000	
41.87	33	4300	28300	
38.30	37	4300	27100	
34.23	41	4300	25700	
30.82	45	4300	24500	
30.31	46	3550	26900	
27.91	50	4300	23300	AD5
24.75	57	4300	22000	
22.37	63	4300	20900	
18.96	74	4300	19100	
16.56	85	4300	17800	
13.85	101	4300	16100	AD6
11.99	117	3890	16200	

K107R 8000Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
减小齿隙 minimized gear backlash				
143.47	9.8	8000	65000	
121.46	12	8000	61700	
112.41	12	8000	59700	
100.75	14	8000	57000	
90.96	15	8000	54600	AD4
82.61	17	8000	52400	
73.30	19	8000	49700	
66.52	21	8000	47600	
57.17	24	8000	46800	
49.90	28	7840	44100	
42.33	33	7360	40900	
37.00	38	7200	38500	AD5
32.69	43	7200	36300	
31.28	45	6800	36700	
29.00	48	7200	34000	
26.32	53	7200	32000	
22.62	62	7200	28900	
19.74	71	7200	26100	AD6
16.75	84	7050	24500	
14.64	96	6890	23700	
12.38	113	6070	23800	

K47/57R37 n_a=1400 r/min

K47R37 400Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
10138	0.14	400	5920
8534	0.16	400	5920
7662	0.18	400	5920
6826	0.21	400	5920
5983	0.23	400	5920
5159	0.27	400	5920
4601	0.30	400	5920
3940	0.36	400	5920
3477	0.40	400	5920
3043	0.46	400	5920
2733	0.51	400	5920
2354	0.59	400	5920
2063	0.68	400	5920
1819	0.77	400	5920
1586	0.88	400	5920
1388	1.0	400	5920
1222	1.1	400	5920
1097	1.3	400	5920
945	1.5	400	5920
831	1.7	400	5920
718	1.9	400	5920
639	2.2	400	5920
552	2.5	400	5920
495	2.8	400	5920
426	3.3	400	5920
375	3.7	400	5920
327	4.3	400	5920
289	4.8	400	5920
256	5.5	400	5920
225	6.2	400	5920
198	7.1	400	5920
171	8.2	400	5920
153	9.2	400	5920
131	11	400	5920
112	13	400	5920
99	14	400	5920
94	15	400	5920

K57R37 600Nm

i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
12169	0.12	600	7470
11162	0.13	600	7470
9503	0.15	600	7470
8547	0.16	600	7470
7277	0.19	600	7470
6478	0.22	600	7470
5662	0.25	600	7470
5033	0.28	600	7470
4340	0.32	600	7470
3854	0.36	600	7470
3390	0.41	600	7470
2924	0.48	600	7470
2593	0.54	600	7470
2249	0.62	600	7470
1986	0.70	600	7470
1743	0.80	600	7470
1539	0.91	600	7470
1354	1.0	600	7470
1174	1.2	600	7470
1036	1.4	600	7470
906	1.5	600	7470
806	1.7	600	7470
699	2.0	600	7470
615	2.3	600	7470
544	2.6	600	7470
473	3.0	600	7470
421	3.3	600	7470
362	3.9	600	7470
319	4.4	600	7470
280	5.0	600	7470
246	5.7	600	7470
215	6.5	600	7470
192	7.3	600	7470
166	8.4	600	7470
145	9.7	600	7470
129	11	600	7470
111	13	600	7470
97	14	600	7470

K67/77R37,K87R57 n_a=1400 r/min

K67R37			820Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
12139	0.12	820	10300
11134	0.13	820	10300
9479	0.15	820	10300
8173	0.17	820	10300
7259	0.19	820	10300
6462	0.22	820	10300
5648	0.25	820	10300
4846	0.29	820	10300
4329	0.32	820	10300
3750	0.37	820	10300
3315	0.42	820	10300
2917	0.48	820	10300
2532	0.55	820	10300
2244	0.62	820	10300
1981	0.71	820	10300
1739	0.81	820	10300
1535	0.91	820	10300
1351	1.0	820	10300
1171	1.2	820	10300
1034	1.4	820	10300
903	1.6	820	10300
793	1.8	820	10300
697	2.0	820	10300
613	2.3	820	10300
542	2.6	820	10300
471	3.0	820	10300
420	3.3	820	10300
361	3.9	820	10300
323	4.3	820	10300
279	5.0	820	10300
246	5.7	820	10300
217	6.5	820	10300
191	7.3	820	10300
166	8.4	820	10300
144	9.7	820	10300
122	11	820	10300

K77R37			1550Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
15310	0.09	1550	15400
14043	0.10	1550	15400
11955	0.12	1550	15400
10217	0.14	1550	15400
8809	0.16	1550	15400
7528	0.19	1550	15400
6606	0.21	1550	15400
5774	0.24	1550	15400
5089	0.28	1550	15400
4489	0.31	1550	15400
3961	0.35	1550	15400
3485	0.40	1550	15400
2901	0.48	1550	15400
2717	0.52	1550	15400
2370	0.59	1550	15400
2050	0.68	1550	15400
1772	0.79	1550	15400
1514	0.92	1550	15400
1388	1.0	1550	15400
1218	1.1	1550	15400
1053	1.3	1550	15400
924	1.5	1550	15400
815	1.7	1550	15400
709	2.0	1550	15400
622	2.3	1550	15400
552	2.5	1550	15400
485	2.9	1550	15400
428	3.3	1550	15400
367	3.8	1550	15400
328	4.3	1550	15400
290	4.8	1550	15400
252	5.6	1550	15400
221	6.3	1550	15400
195	7.2	1550	15400
175	8.0	1550	15400
154	9.1	1550	15400

K87R57			2700Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
14829	0.09	2700	27300
13168	0.11	2700	27300
11737	0.12	2700	27300
10217	0.14	2700	27300
9073	0.15	2700	27300
7854	0.18	2700	27300
6832	0.20	2700	27300
5930	0.24	2700	27300
5240	0.27	2700	27300
4562	0.31	2700	27300
4037	0.35	2700	27300
3609	0.39	2700	27300
3107	0.45	2700	27300
2728	0.51	2700	27300
2371	0.59	2700	27300
2088	0.67	2700	27300
1854	0.76	2700	27300
1657	0.84	2700	27300
1415	0.99	2700	27300
1229	1.1	2700	27300
1078	1.3	2700	27300
951	1.5	2700	27300
837	1.7	2700	27300
726	1.9	2700	27300
638	2.2	2700	27300
562	2.5	2700	27300
474	3.3	2700	27300
426	3.3	2700	27300
373	3.8	2700	27300
330	4.2	2700	27300
294	4.8	2700	27300
250	5.6	2700	27300
236	5.9	2700	27300
201	7.0	2700	27300
183	7.7	2700	27300
159	8.8	2700	27300
141	9.9	2700	27400

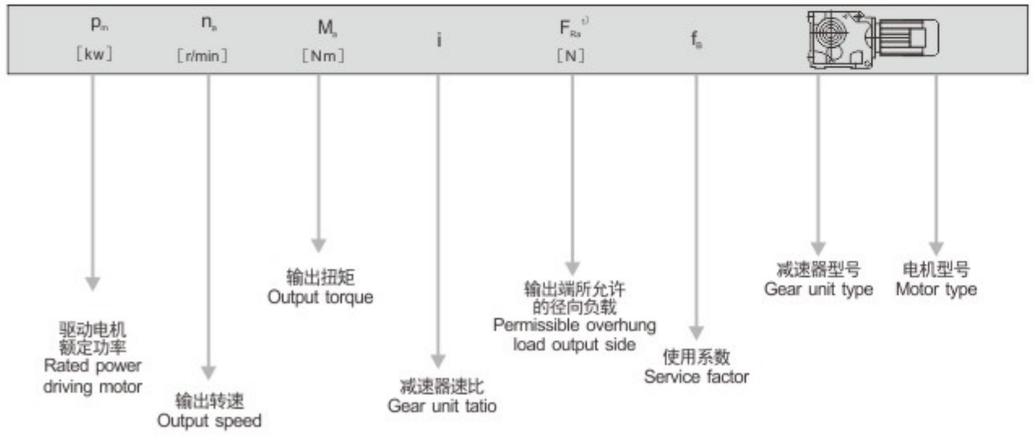
K97R57,K107R77 n_a=1400 r/min

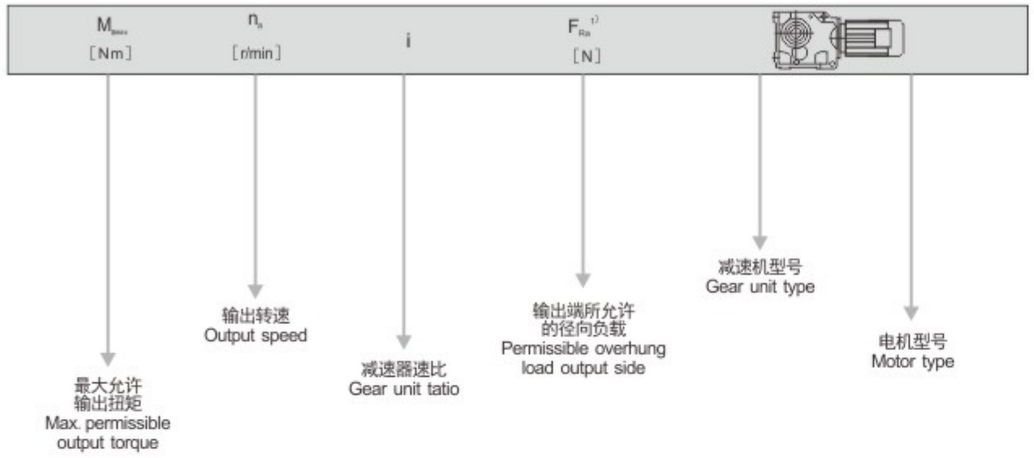
K97R57			4300Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
18091	0.08	4300	40000
16666	0.08	4300	40000
14897	0.09	4300	40000
13182	0.11	4300	40000
11677	0.12	4300	40000
10317	0.14	4300	40000
9083	0.15	4300	40000
8054	0.17	4300	40000
6970	0.20	4300	40000
6027	0.23	4300	40000
5391	0.26	4300	40000
4669	0.30	4300	40000
4082	0.34	4300	40000
3583	0.39	4300	40000
3108	0.45	4300	40000
2757	0.51	4300	40000
2419	0.58	4300	40000
2123	0.66	4300	40000
1856	0.75	4300	40000
1625	0.86	4300	40000
1430	0.98	4300	40000
1261	1.1	4300	40000
1102	1.3	4300	40000
957	1.5	4300	40000
855	1.6	4300	40000
743	1.9	4300	40000
652	2.1	4300	40000
573	2.4	4300	40000
504	2.8	4300	40000
439	3.2	4300	40000
382	3.7	4300	40000
342	4.1	4300	40000
305	4.6	4300	40000
258	5.4	4300	40000
232	6.0	4300	40000
199	7.0	4300	40000

K107R77			8000Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
14311	0.10	8000	65000
12211	0.11	8000	65000
10677	0.13	8000	65000
9524	0.15	8000	65000
8328	0.17	8000	65000
7270	0.19	8000	65000
6184	0.23	8000	65000
5662	0.25	8000	65000
5138	0.27	8000	65000
4359	0.32	8000	65000
3810	0.37	8000	65000
3358	0.42	8000	65000
2977	0.47	8000	65000
2599	0.54	8000	65000
2286	0.61	8000	65000
1939	0.72	8000	65000
1713	0.82	8000	65000
1554	0.90	8000	65000
1336	1.0	8000	65000
1166	1.2	8000	65000
1030	1.4	8000	65000
904	1.5	8000	65000
793	1.8	8000	65000
696	2.0	8000	65000
615	2.3	8000	65000
522	2.7	8000	65000
461	3.0	8000	65000
408	3.4	8000	65000
364	3.8	8000	65000
318	4.4	8000	65000
286	4.9	8000	65000
251	5.6	8000	65000
222	6.3	8000	65000
196	7.1	8000	65000
174	8.0	7200	65000
154	9.1	7200	65000
140	10	7200	65000

7.4 选型表注释
7.4 Selection table

选型表的结构
Selection table geared motors





图例　Cuttine
※也可用于EExe电机。　※EEXE motor is optional.
1) 实心轴底脚安装减速机的径向负荷
1) Overhung load specified for foot-mounted gear unit with solid shaft

注意：Notice:
对于特殊低输出转速驱动（多级减速电机），电机功率必须与减速机的最大允许输出扭矩相对应。
In drives for particularly low output speeds (multi-stage geared motors), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_s	机型号 Model
0.12kw					
0.10	9590	14311	65000	0.85	
0.11	8060	12211	65000	1.00	
0.13	6930	10677	65000	1.15	
0.14	6280	9524	65000	1.25	K 107R77 D63S4
0.17	5410	8328	65000	1.50	KF 107R77 D63S4
0.19	4720	7270	65000	1.70	KA 107R77 D63S4
0.22	3760	6184	65000	2.1	KAF 107R77 D63S4
0.24	3320	5662	65000	2.4	
0.27	3020	5138	65000	2.7	
0.32	2700	4359	65000	3.0	
0.17	5310	8054	39500	0.80	
0.20	4350	6970	40000	1.00	
0.23	3890	6027	40000	1.10	K 97R57 D63S4
0.26	3560	5391	40000	1.20	KF 97R57 D63S4
0.30	2950	4669	40000	1.45	KA 97R57 D63S4
0.34	2640	4082	40000	1.65	KAF 97R57 D63S4
0.39	2320	3583	40000	1.85	
0.44	2040	3108	40000	2.1	
0.50	1720	2757	40000	2.5	
0.57	1580	2419	40000	2.7	
0.65	1370	2123	40000	3.2	K 97 R57 D63S4
0.74	1220	1856	40000	3.5	KF 97 R57 D63S4
0.85	1000	1625	40000	4.3	KA 97 R57 D63S4
0.96	860	1430	40000	5.0	KAF 97 R57 D63S4
1.1	830	1261	40000	5.2	
1.2	725	1102	40000	5.9	
0.26	3380	5240	26300	0.80	
0.30	2850	4562	27100	0.95	K 87 R57 D63S4
0.34	2610	4037	27400	1.05	KF 87 R57 D63S4
0.38	2330	3609	27700	1.15	KA 87 R57 D63S4
0.44	1990	3107	28100	1.35	KAF 87 R57 D63S4
0.51	1700	2728	28300	1.60	
0.58	1500	2371	28500	1.80	
0.66	1380	2088	28600	1.95	
0.74	1220	1854	28700	2.2	
0.83	1090	1657	28700	2.5	K 87 R57 D63S4
0.97	930	1415	28800	2.9	KF 87 R57 D63S4
1.1	800	1229	28900	3.4	KA 87 R57 D63S4
1.3	695	1078	28900	3.9	KAF 87 R57 D63S4
1.5	585	951	29000	4.6	
1.6	505	837	29000	5.4	
1.9	435	726	29000	6.2	
					K 77 R37 D63S4
0.51	1790	2717	13400	0.85	KF 77 R37 D63S4
0.58	1510	2370	15700	1.05	KA 77 R37 D63S4
					KAF 77 R37 D63S4
0.67	1380	2050	16500	1.10	
0.78	1180	1772	17500	1.30	
0.91	1010	1514	18300	1.55	
0.99	920	1388	18600	1.70	K 77 R37 D63S4
1.1	810	1218	19000	1.90	KF 77 R37 D63S4
1.3	710	1053	19200	2.2	KA 77 R37 D63S4
1.5	620	924	19500	2.5	KAF 77 R37 D63S4
1.7	550	815	19600	2.8	
2.0	440	709	19800	3.5	
2.2	385	622	19900	4.0	
1.0	930	1351	9230	0.90	
1.2	795	1171	10500	1.05	
1.3	695	1034	11300	1.20	
1.5	585	903	12000	1.40	
1.7	545	793	12200	1.50	
2.0	440	697	12700	1.85	K 67 R37 D63S4
2.2	390	613	12900	2.1	KF 67 R37 D63S4
2.5	340	542	13000	2.4	KA 67 R37 D63S4
2.9	315	471	13000	2.6	KAF 67 R37 D63S4
3.3	265	420	13000	3.1	
3.8	235	361	13000	3.5	
4.3	210	323	13000	3.9	
4.9	176	279	13000	4.7	
5.6	155	246	13000	5.3	
6.3	134	217	13000	6.1	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_s	机型号 Model
0.12kw					
1.5	585	906	7750	1.05	
1.7	525	806	8220	1.15	
2.0	445	699	8690	1.35	
2.2	390	615	8930	1.55	
2.5	340	544	9120	1.75	K 57 R37 D63S4
2.9	310	473	9250	1.95	KF 57 R37 D63S4
3.3	265	421	9420	2.3	KA 57 R37 D63S4
3.8	235	362	9510	2.5	KAF 57 R37 D63S4
4.3	210	319	9610	2.9	
4.9	176	280	9710	3.4	
5.6	155	246	9770	3.9	
6.4	135	215	9830	4.4	
7.2	122	192	9860	4.9	
2.2	430	639	2520	0.95	
2.5	370	552	6350	1.10	K 47 R37 D63S4
2.8	315	495	6930	1.25	KF 47 R37 D63S4
3.2	280	426	7240	1.45	KA 47 R37 D63S4
3.7	235	375	7560	1.70	KAF 47 R37 D63S4
4.2	215	327	7670	1.85	
4.8	189	289	7830	2.1	
6.2	184	144.79	13000	4.4	K 67 D63M6 KF 67 D63M6 KA 67 D63M6 KAF 67 D63M6
6.2	185	145.14	9680	3.2	
7.3	158	123.85	9760	3.8	K 57 D63M6
8.3	138	108.29	9820	4.3	KF 57 D63M6
8.8	131	102.88	9840	4.6	KA 57 D63M6
10	115	90.26	9880	5.2	KAF 57 D63M6
12	98	76.56	9930	6.2	
9.5	121	145.14	9870	5.0	K 57 D63S4
11	103	123.85	9920	5.8	KF 57 D63S4
13	90	108.29	9950	6.7	KA 57 D63S4
13	85	102.88	9960	7.0	KAF 57 D63S4
15	75	90.26	9990	8.0	
6.8	168	131.87	7930	2.4	K 47 D63M6
7.4	155	121.48	7990	2.6	KF 47 D63M6
8.6	133	104.37	8070	3.0	KA 47 D63M6 KAF 47 D63M6
					K 47 D63S4
10	110	131.87	8140	3.7	KF 47 D63S4
11	101	121.48	8170	4.0	KA 47 D63S4 KAF 47 D63S4
8.5	136	106.38	6230	1.50	K 37 D63M6
9.2	125	97.81	6300	1.60	KF 37 D63M6
11	107	83.69	6410	1.90	KA 37 D63M6
12	92	72.54	6480	2.2	KAF 37 D63M6
13	88	106.38	6500	2.3	
14	81	97.81	6530	2.5	
16	70	83.69	6570	2.9	
19	60	72.54	6600	3.3	
20	56	67.80	6610	3.5	
24	49	58.60	6430	4.1	
28	41	49.79	6130	4.8	
31	37	44.46	5930	5.4	K 37 D63S4
36	32	37.97	5660	6.3	KF 37 D63S4
39	30	35.57	5550	6.8	KA 37 D63S4
46	25	29.96	5270	8.0	KAF 37 D63S4
48	24	28.83	5210	8.4	
55	21	24.99	4980	9.6	
59	19	23.36	4880	10	
68	17	20.19	4660	11	
80	14	17.15	4430	13	
90	13	15.31	4280	14	
105	11	13.08	4070	15	
114	10	12.14	3970	16	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
0.18kW							
0.16	8990	8328	65000	0.90			
0.18	7850	7270	65000	1.00			
0.21	6420	6184	65000	1.25			
0.23	5760	5662	65000	1.40	K	107R77	D63M4
0.26	5230	5138	65000	1.55	KF	107R77	D63M4
0.30	4570	4359	65000	1.75	KA	107R77	D63M4
0.35	4000	3810	65000	2.0	KAF	107R77	D63M4
0.39	3440	3358	65000	2.3			
0.44	3090	2977	65000	2.6			
0.51	2700	2599	65000	3.0			
0.58	2340	2286	65000	3.4			
0.28	4960	4669	39900	0.85			
0.32	4390	4082	40000	1.00	K	97 R57	D63M4
0.37	3860	3583	40000	1.10	KF	97 R57	D63M4
0.42	3370	3108	40000	1.25	KA	97 R57	D63M4
0.48	2910	2757	40000	1.50	KAF	97 R57	D63M4
0.55	2640	2419	40000	1.65			
0.62	2290	2123	40000	1.95			
0.71	2030	1856	40000	2.1			
0.81	1710	1625	40000	2.5			
0.92	1490	1430	40000	2.9	K	97 R57	D63M4
1.0	1380	1261	40000	3.1	KF	97 R57	D63M4
1.2	1210	1102	40000	3.6	KA	97 R57	D63M4
1.4	1040	957	40000	4.1	KAF	97 R57	D63M4
1.5	930	855	40000	4.6			
1.8	755	743	40000	5.7			
2.0	675	652	40000	6.4			
0.42	3330	3107	26400	0.80	K	87 R57	D63M4
0.48	2880	2728	27100	0.95	KF	87 R57	D63M4
0.56	2520	2371	27500	1.05	KA	87 R57	D63M4
					KAF	87 R57	D63M4
0.63	2290	2088	27800	1.20			
0.71	2030	1854	28000	1.35			
0.80	1820	1657	28200	1.50	K	87R57	D63M4
0.93	1540	1415	28400	1.75	KF	87R57	D63M4
1.1	1340	1229	28600	2.0	KA	87R57	D63M4
1.2	1160	1078	28700	2.3	KAF	87R57	D63M4
1.4	1000	951	28800	2.7			
1.6	870	837	28800	3.1			
1.8	755	726	28900	3.6			
0.87	1670	1514	14500	0.95			
0.95	1530	1388	15500	1.00			
1.1	1340	1218	16700	1.15			
1.2	1170	1053	17600	1.35			
1.4	1030	924	18200	1.50	K	77R37	D63M4
1.6	910	815	18700	1.70	KF	77R37	D63M4
1.9	750	709	19100	2.1	KA	77R37	D63M4
2.1	655	622	19400	2.4	KAF	77R37	D63M4
2.4	590	552	19500	2.6			
2.7	515	485	19700	3.0			
3.1	455	428	19800	3.4			
3.6	400	367	19900	3.9			
1.5	980	903	5660	0.85			
1.7	890	793	9620	0.90			
1.9	745	697	10900	1.10			
2.2	655	613	11600	1.25	K	67R37	D63M4
2.4	580	542	12000	1.40	KF	67R37	D63M4
2.8	520	471	12300	1.60	KA	67R37	D63M4
3.2	445	420	12600	1.85	KAF	67R37	D63M4
3.7	395	361	12800	2.1			
4.1	350	323	13000	2.3			
4.7	295	279	13000	2.8			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
0.18kW							
2.2	660	615	5580	0.90			
2.4	580	544	7800	1.05			
2.8	515	473	8300	1.15			
3.1	450	421	8670	1.35	K	57R37	D63M4
3.6	395	362	8900	1.50	KF	57R37	D63M4
4.1	350	319	9100	1.75	KA	57R37	D63M4
4.7	300	280	9290	2.0	KAF	57R37	D63M4
5.4	260	246	9420	2.3			
6.1	230	215	9540	2.6			
6.9	205	192	9610	2.9			
7.9	178	166	9700	3.4			
3.5	400	375	5930	1.00			
4.0	360	327	6440	1.10			
4.6	315	289	6920	1.25	K	47R37	D63M4
5.2	275	256	7290	1.45	KF	47R37	D63M4
5.9	245	225	7500	1.65	KA	47R37	D63M4
6.7	210	198	7710	1.90	KAF	47R37	D63M4
7.7	183	171	7860	2.2			
8.6	164	153	7950	2.4			
10	142	131	8040	2.8			
6.0	285	144.79	13000	2.9	K	67	D63L6
7.0	245	123.54	13000	3.4	KF	67	D63L6
8.1	215	108.03	13000	3.8	KA	67	D63L6
8.5	205	102.62	13000	4.0	KAF	67	D63L6
9.1	189	144.79	13000	4.3	K	67	D63M4
11	161	123.54	13000	5.1	KF	67	D63M4
12	141	108.03	13000	5.8	KA	67	D63M4
					KAF	67	D63M4
6.0	285	145.14	9340	2.1	K	57	D63L6
7.0	245	123.85	9480	2.5	KF	57	D63L6
8.0	215	108.29	9590	2.8	KA	57	D63L6
8.5	205	102.88	9620	3.0	KAF	57	D63L6
9.6	178	90.26	9700	3.4			
9.1	189	145.14	9670	3.2			
11	161	123.85	9750	3.7	K	57	D63M4
12	141	108.29	9810	4.3	KF	57	D63M4
13	134	102.88	9830	4.5	KA	57	D63M4
15	118	90.26	9880	5.1	KAF	57	D63M4
17	100	76.56	9920	6.0			
6.6	260	131.87	7380	1.55	K	47	D63L6
7.2	240	121.48	7530	1.65	KF	47	D63L6
8.3	205	104.37	7740	1.95	KA	47	D63L6
9.6	180	90.86	7880	2.2	KAF	47	D63L6
10	168	85.12	7930	2.4			
10	172	131.87	7910	2.3	K	47	D63M4
11	158	121.48	7970	2.5	KF	47	D63M4
13	136	104.37	8060	2.9	KA	47	D63M4
15	118	90.86	8120	3.4	KAF	47	D63M4
16	111	85.12	8140	3.6			
8.2	210	106.38	5520	0.95	K	37	D63L6
8.9	193	97.81	5710	1.05	KF	37	D63L6
10	165	83.69	5990	1.20	KA	37	D63L6
12	143	72.54	6170	1.40	KAF	37	D63L6
12	139	106.38	6210	1.45			
14	127	97.81	6280	1.55			
16	109	83.69	6400	1.85	K	37	D63M4
18	95	72.54	6470	2.1	KF	37	D63M4
19	88	67.80	6500	2.3	KA	37	D63M4
23	76	58.60	6280	2.6	KAF	37	D63M4
27	65	49.79	6010	3.1			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
0.18kW							
30	58	44.46	5830	3.5			
35	49	37.97	5580	4.1			
37	46	35.57	5480	4.3			
44	39	29.96	5220	5.1			
46	38	28.83	5160	5.3			
53	33	24.99	4950	6.2			
57	30	23.36	4850	6.4	K	37	D63M4
65	26	20.19	4650	7.0	KF	37	D63M4
77	22	17.15	4430	8.1	KA	37	D63M4
86	20	15.31	4280	8.8	KAF	37	D63M4
101	17	13.08	4080	9.7			
109	16	12.14	3980	10			
126	14	10.49	3810	12			
148	12	8.91	3620	14			
166	10	7.96	3490	15			
0.25kw							
0.21	9400	6184	65000	0.85			
0.23	8520	5662	65000	0.95			
0.25	7730	5138	65000	1.05			
0.30	6700	4359	65000	1.20	K	107R77	D63L4
0.34	5850	3810	65000	1.35	KF	107R77	D63L4
0.39	5070	3358	65000	1.60	KA	107R77	D63L4
0.44	4540	2977	65000	1.75	KAF	107R77	D63L4
0.50	3970	2599	65000	2.0			
0.57	3450	2286	65000	2.3			
0.67	2930	1939	65000	2.7			
0.76	2640	1713	65000	3.0	K	107R77	D63L4
0.84	2390	1554	65000	3.3	KF	107R77	D63L4
0.97	2060	1336	65000	3.9	KA	107R77	D63L4
					KAF	107R77	D63L4
0.42	4890	3108	40000	0.90	K	97 R57	D63L4
0.47	4250	2757	40000	1.00	KF	97 R57	D63L4
					KA	97 R57	D63L4
					KAF	97 R57	D63L4
0.54	3840	2419	40000	1.10			
0.61	3340	2123	40000	1.30			
0.70	2950	1856	40000	1.45	K	97 R57	D63L4
0.80	2520	1625	40000	1.70	KF	97 R57	D63L4
0.91	2190	1430	40000	1.95	KA	97 R57	D63L4
1.0	2010	1261	40000	2.1	KAF	97 R57	D63L4
1.2	1750	1102	40000	2.5			
1.4	1520	957	40000	2.8			
1.5	1360	855	40000	3.2			
0.62	3320	2088	26400	0.80			
0.70	2950	1854	27000	0.90			
0.78	2640	1657	27400	1.00			
0.92	2250	1415	27800	1.20	K	87 R57	D63L4
1.1	1950	1229	28100	1.40	KF	87 R57	D63L4
1.2	1700	1078	28300	1.60	KA	87 R57	D63L4
1.4	1470	951	28500	1.85	KAF	87 R57	D63L4
1.5	1280	837	28600	2.1			
1.8	1110	726	28700	2.4			
2.0	990	638	28800	2.7			
1.2	1690	1053	14300	0.90			
1.4	1480	924	15800	1.05			
1.6	1310	815	16900	1.20	K	77 R37	D63L4
1.8	1100	709	17900	1.40	KF	77 R37	D63L4
2.1	960	622	18400	1.60	KA	77 R37	D63L4
2.3	860	552	18000	1.80	KAF	77 R37	D63L4
2.7	755	485	19100	2.0			
3.0	665	428	19300	2.3			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model		
0.25kw							
3.5	580	367	19500	2.7			
4.0	515	328	19700	3.0	K	77 R37	D63L4
4.5	460	290	19800	3.4	KF	77 R37	D63L4
5.2	395	252	19900	3.9	KA	77 R37	D63L4
5.9	345	221	19900	4.5	KAF	77 R37	D63L4
6.7	305	195	20000	5.1			
7.4	270	175	20000	5.7			
2.1	960	613	7350	0.85			
2.4	850	542	10100	0.95			
2.8	755	471	10900	1.10	K	67 R37	D63L4
3.1	655	420	11600	1.25	KF	67 R37	D63L4
3.6	575	361	12000	1.45	KA	67 R37	D63L4
4.0	510	323	12400	1.60	KAF	67 R37	D63L4
4.7	435	279	12700	1.90			
5.3	385	246	12900	2.1			
6.0	335	217	13000	2.4			
3.1	655	421	5750	0.90			
3.6	575	362	7840	1.05			
4.1	505	319	8380	1.20			
4.7	435	280	8720	1.35			
5.3	385	246	8950	1.55	K	57R37	D63L4
6.1	335	215	9150	1.80	KF	57R37	D63L4
6.8	300	192	9280	2.0	KA	57R37	D63L4
7.8	260	166	9430	2.3	KAF	57R37	D63L4
9.0	225	145	9550	2.7			
10	205	129	9620	2.9			
12	173	111	9720	3.5			
13	152	97	9780	4.0			
4.4	540	154.02	19600	2.9	K	77	D80N8
5.0	475	135.28	19700	3.3	KF	77	D80N8
5.3	450	128.52	19800	3.4	KA	77	D80N8
6.0	400	113.56	19900	3.9	KAF	77	D80N8
4.6	520	192.18	19700	2.8	K	77	D71D6
4.9	485	179.37	19700	3.0	KF	77	D71D6
5.7	420	154.02	19800	3.7	KA	77	D71D6
6.5	365	135.28	19900	4.2	KAF	77	D71D6
5.5	435	123.54	12700	1.90	K	67	D80N8
6.3	380	108.03	12900	2.2	KF	67	D80N8
6.6	360	102.62	12900	2.3	KA	67	D80N8
7.6	315	90.04	13000	2.6	KAF	67	D80N8
6.1	395	144.79	12800	2.1	K	67	D71D6
7.1	335	123.54	13000	2.5	KF	67	D71D6
8.1	395	108.03	13000	2.8	KA	67	D71D6
8.6	280	102.62	13000	3.0	KAF	67	D71D6
9.0	265	144.79	13000	3.1	K	67	D63L4
11	225	123.54	13000	3.6	KF	67	D63L4
12	198	108.03	13000	4.1	KA	67	D63L4
13	189	102.62	13000	4.3	KAF	67	D63L4
6.1	395	145.14	8910	1.50			
7.1	335	123.85	9150	1.80	K	57	D71D6
8.1	295	108.29	9310	2.0	KF	57	D71D6
8.6	280	102.88	9360	2.2	KA	57	D71D6
9.8	245	90.26	9480	2.5	KAF	57	D71D6
11	210	76.56	9610	2.9			
9.0	265	145.14	9410	2.2			
11	225	123.85	9540	2.6	K	57	D63L4
12	199	108.29	9640	3.0	KF	57	D63L4
13	189	102.88	9670	3.2	KA	57	D63L4
14	166	90.26	9740	3.6	KAF	57	D63L4
17	141	76.56	9810	4.3			

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model		
0.25kW							
6.7	360	131.87	6470	1.10			
7.2	330	121.48	6780	1.20	K	47	D71D6
8.4	285	104.37	7210	1.40	KF	47	D71D6
9.7	245	90.86	7480	1.60	KA	47	D71D6
10	230	85.12	7590	1.75	KAF	47	D71D6
9.9	240	131.87	7510	1.65			
11	225	121.48	7640	1.80	K	47	D63L4
12	192	104.37	7820	2.1	KF	47	D63L4
14	167	90.86	7930	2.4	KA	47	D63L4
15	156	85.12	7980	2.6	KAF	47	D63L4
11	225	83.69	5300	0.90			
12	197	72.54	5680	1.00	K	37	D71D6
13	184	67.80	5810	1.10	KF	37	D71D6
15	159	58.60	6050	1.25	KA	37	D71D6
18	135	49.79	6230	1.50	KAF	37	D71D6
12	195	106.38	5690	1.00			
13	180	97.81	5860	1.10			
16	154	83.69	6090	1.30			
18	133	72.54	6250	1.50			
19	125	67.80	6230	1.60			
22	108	58.60	6030	1.85			
26	91	49.79	5810	2.2			
29	82	44.46	5650	2.5			
34	70	37.97	5430	2.9			
37	65	35.57	5340	3.1			
43	55	29.96	5100	3.6	K	37	D63L4
45	53	28.83	5050	3.8	KF	37	D63L4
52	46	24.99	4860	4.4	KA	37	D63L4
56	43	23.36	4770	4.6	KAF	37	D63L4
64	37	20.19	4580	5.0			
76	32	17.15	4370	5.7			
85	28	15.31	4230	6.2			
99	24	13.08	4030	6.9			
107	22	12.14	3940	7.2			
124	19	10.49	3780	8.3			
146	16	8.91	3590	9.8			
163	15	7.96	3470	11			
191	13	6.80	3310	12			
204	12	6.37	3240	12			
0.37kW							
0.36	8380	3810	65000	0.95			
0.41	7300	3358	65000	1.10	K		107R77 D71D4
0.46	6510	2977	65000	1.25	KF		107R77 D71D4
0.53	5690	2599	65000	1.40	KA		107R77 D71D4
0.60	4970	2286	65000	1.60	KAF		107R77 D71D4
0.71	4210	1939	65000	1.90			
0.81	3790	1713	65000	2.1	K		107R77 D71D4
0.89	3440	1554	65000	2.3	KF		107R77 D71D4
1.0	2950	1336	65000	2.7	KA		107R77 D71D4
1.2	2580	1166	65000	3.1	KAF		107R77 D71D4
0.65	4770	2123	40000	0.90			
0.74	4200	1856	40000	1.00			
0.85	3610	1625	40000	1.20			
0.96	3160	1430	40000	1.35	K	97	R57 D71D4
1.1	2850	1261	40000	1.50	KF	97	R57 D71D4
1.2	2490	1102	40000	1.70	KA	97	R57 D71D4
1.4	2160	957	40000	2.0	KAF	97	R57 D71D4
1.6	1930	855	40000	2.2			
1.9	1620	743	40000	2.7			
2.1	1430	652	40000	3.0			
2.4	1280	273	40000	3.4			
0.97	3200	1415	26600	0.85			
1.1	2770	1229	27200	0.95			
1.3	2420	1078	27600	1.10			
1.5	2110	651	27900	1.30	K	87	R57 D71D4
1.6	1850	837	28200	1.45	KF	87	R57 D71D4
1.9	1600	726	28400	1.70	KA	87	R57 D71D4
2.2	1420	638	28500	1.90	KAF	87	R57 D71D4
2.5	1240	562	28600	2.2			
2.9	1040	474	28800	2.6			
3.2	940	426	28800	2.9			
3.7	810	373	28900	3.3			

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model		
0.37kW							
1.7	1860	815	10600	0.85			
2.0	1580	709	15200	1.00			
2.2	1380	622	16500	1.10			
2.5	1230	552	17300	1.25			
2.8	1080	485	18000	1.45			
3.2	950	428	18500	1.60	K	77R37	D71D4
3.8	830	367	18900	1.85	KF	77R37	D71D4
4.2	735	328	19200	2.1	KA	77R37	D71D4
4.8	655	290	19400	2.4	KAF	77R37	D71D4
5.5	565	252	19600	2.8			
6.2	495	221	19700	3.1			
7.1	435	195	19800	3.5			
7.9	390	175	19900	4.0			
9.0	340	154	19900	4.5			
3.3	940	420	9000	0.90			
3.8	820	361	10300	1.00			
4.3	725	323	11100	1.15			
4.9	625	279	11800	1.30	K	67R37	D71D4
5.6	550	246	12200	1.50	KF	67R37	D71D4
6.3	485	217	12500	1.70	KA	67R37	D71D4
7.2	430	191	12700	1.90	KAF	67R37	D71D4
8.3	370	166	12900	2.2			
9.6	320	144	13000	2.5			
11	275	122	13000	3.0			
4.9	625	280	7430	0.95			
5.6	550	246	8040	1.10			
6.4	480	215	8520	1.25			
7.2	430	192	8750	1.40	K	57R37	D71D4
8.3	370	166	9000	1.60	KF	57R37	D71D4
9.6	325	145	9200	1.85	KA	57R37	D71D4
11	290	129	9320	2.1	KAF	57R37	D71D4
12	245	111	9480	2.4			
14	215	97	9580	2.8			
3.9	910	174.19	28800	3.0	K	87	D90S8
4.1	850	164.34	28900	3.2	KF	87	D90S8
4.6	765	147.32	28900	3.5	KA	87	D90S8
					KAF	87	D90S8
4.6	775	197.37	28900	3.5	K	87	D80K6
5.2	685	174.19	28900	4.0	KF	87	D80K6
					KA	87	D80K6
					KAF	87	D80K6
5.0	705	135.28	19300	2.2	K	77	D90S8
5.3	670	128.52	19300	2.3	KF	77	D90S8
6.0	590	113.56	19500	2.6	KA	77	D90S8
7.0	505	97.05	19700	3.1	KAF	77	D90S8
5.8	605	154.05	19500	2.6	K	77	D80K6
6.7	530	135.28	19600	2.9	KF	77	D80K6
7.0	505	128.52	19700	3.1	KA	77	D80K6
7.9	445	113.56	19800	3.5	KAF	77	D80K6
7.2	490	192.18	19700	3.0	K	77	D71D4
7.7	460	179.37	19800	3.2	KF	77	D71D4
9.0	395	154.02	19900	3.9	KA	77	D71D4
					KAF	77	D71D4
6.3	560	108.03	12100	1.45	K	67	D90S8
3.3	535	102.62	12300	1.55	KF	67	D90S8
7.6	470	90.04	12600	1.75	KA	67	D90S8
					KAF	67	D90S8
7.3	485	123.54	12500	1.70	K	67	D80K6
8.3	425	108.03	12700	1.95	KF	67	D80K6
8.8	405	102.62	12800	2.0	KA	67	D80K6
10	355	90.04	13000	2.3	KAF	67	D80K6
9.5	370	144.79	12900	2.2			
11	315	123.54	13000	2.6	K	67	D71D4
13	275	108.03	13000	3.0	KF	67	D71D4
15	230	90.04	13000	3.6	KA	67	D71D4
18	196	76.37	13000	4.2	KAF	67	D71D4

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model		
0.37kW							
7.3	485	123.85	8490	1.25			
8.3	425	108.29	8770	1.40	K	57	D80K6
8.8	405	102.88	8870	1.50	KF	57	D80K6
10	355	90.26	9070	1.70	KA	57	D80K6
12	300	76.56	9280	2.0	KAF	57	D80K6
13	270	69.12	9390	2.2			
9.5	370	145.14	9000	1.60			
11	315	123.85	9220	1.90	K	57	D71D6
13	275	108.29	9370	2.2	KF	57	D71D6
13	265	102.88	9420	2.3	KA	57	D71D6
15	230	90.26	9530	2.6	KAF	57	D71D6
18	196	76.56	9650	3.1			
20	177	69.12	9700	3.4			
8.6	410	104.37	5490	1.00	K	47	D80K6
9.9	355	90.86	6480	1.10	KF	47	D80K6
11	335	85.12	6730	1.20	KA	47	D80K6
12	295	75.20	7100	1.35	KAF	47	D80K6
10	340	131.87	6690	1.20	K	47	D71D6
11	310	121.48	6960	1.30	KF	47	D71D6
13	265	104.37	7330	1.50	KA	47	D71D6
					KAF	47	D71D6
15	235	90.86	7580	1.70	K	47	D71D4
16	220	85.12	7670	1.85	KF	47	D71D4
18	193	75.20	7810	2.1	KA	47	D71D4
20	179	69.80	7880	2.2	KAF	47	D71D4
22	162	63.30	7960	2.5			
14	250	97.81	2520	0.80			
16	215	83.69	5470	0.95			
19	186	72.54	5690	1.10			
20	174	67.80	5630	1.15			
24	150	58.60	5510	1.35			
28	128	49.79	5350	1.55			
31	114	44.46	5230	1.75			
36	97	37.97	5060	2.1			
39	91	35.57	4990	2.2			
46	77	29.96	4800	2.6			
48	74	28.83	4750	2.7	K	37	D71D4
55	64	24.99	4590	3.1	KF	37	D71D4
59	60	23.36	4510	3.3	KA	37	D71D4
68	52	20.19	4350	3.6	KAF	37	D71D4
80	44	17.15	4160	4.1			
90	39	15.31	4040	4.5			
105	34	13.08	3860	4.9			
114	31	12.14	3780	5.1			
132	27	10.49	3630	5.9			
155	23	8.91	3460	7.0			
176	20	7.96	3350	7.6			
203	17	6.80	3190	8.6			
217	16	6.37	3130	8.9			
257	14	5.36	2970	10			
0.55kW							
0.46	10100	2977	65000	0.80	K	107R77	D80K4
0.52	8770	2599	65000	0.90	KF	107R77	D80K4
0.59	7690	2286	65000	1.05	KA	107R77	D80K4
0.70	6520	1939	65000	1.25	KAF	107R77	D80K4
0.79	5850	1713	65000	1.35			
0.87	5310	1554	65000	1.50			
1.0	4570	1336	65000	1.75	K	107R77	D80K4
1.2	3990	1166	65000	2.0	KF	107R77	D80K4
1.3	3450	1030	65000	2.3	KA	107R77	D80K4
1.5	3000	904	65000	2.7	KAF	107R77	D80K4
1.7	2700	793	65000	3.0			
2.0	2360	696	65000	3.4			
2.2	2050	615	65000	3.9			

输出转速 Output speed n_2 [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{R2} [N]	使用系数 Service factor f_B	机型号 Model		
0.55kW							
0.95	4880	1430	40000	0.90			
1.1	4380	1261	40000	1.00			
1.2	3820	1102	40000	1.15			
1.4	3320	957	40000	1.30			
1.6	2960	855	40000	1.45	K	97	R57 D80K4
1.8	2520	743	40000	1.70	KF	97	R57 D80K4
2.1	2220	652	40000	1.95	KA	97	R57 D80K4
2.4	1970	573	40000	2.2	KAF	97	R57 D80K4
2.7	1700	504	40000	2.5			
3.1	1470	437	40000	2.9			
3.6	1300	382	40000	3.3			
4.5	1040	305	40000	4.1			
1.4	3260	951	26500	0.85			
1.6	2860	837	27100	0.95			
1.9	2480	726	27600	1.10			
2.1	2190	638	27900	1.25			
2.4	1920	562	28100	1.40	K	87	R57 D80K4
2.9	1620	474	28400	1.65	KF	87	R57 D80K4
3.2	1450	426	28500	1.85	KA	87	R57 D80K4
3.7	1260	373	28600	2.1	KAF	87	R57 D80K4
4.1	1110	330	28700	2.4			
4.6	990	294	28800	2.7			
5.4	850	250	28900	3.2			
5.8	800	236	28900	3.4			
6.8	680	201	28900	4.0			
2.5	1900	552	5780	0.80			
2.8	1670	485	14500	0.95			
3.2	1470	428	15900	1.05			
3.7	1270	367	17100	1.20	K	77	R37 D80K4
4.2	1130	328	17800	1.35	KF	77	R37 D80K4
4.7	1000	290	18300	1.55	KA	77	R37 D80K4
5.4	870	252	18800	1.80	KAF	77	R37 D80K4
6.2	760	221	19100	2.0			
7.0	670	195	19300	2.3			
7.8	600	175	19500	2.6			
8.8	530	154	19600	2.9			
4.9	960	279	7360	0.85			
5.5	840	246	10100	0.95			
6.2	745	217	10900	1.10	K	67	R37 D80K4
7.1	660	191	11500	1.25	KF	67	R37 D80K4
8.2	570	166	12100	1.45	KA	67	R37 D80K4
9.4	495	144	12400	1.65	KAF	67	R37 D80K4
11	420	122	12700	1.95			
7.1	660	192	5180	0.90			
8.2	575	166	7850	1.05	K	57	R37 D80K4
9.4	495	145	8430	1.20	KF	57	R37 D80K4
11	445	129	8680	1.35	KA	57	R37 D80K4
12	380	111	8970	1.60	KAF	57	R37 D80K4
14	335	97	9150	1.80			
3.9	1350	174.19	28600	2.0	K	87	D90L8
4.1	1270	164.34	28600	2.1	KF	87	D90L8
4.6	1140	147.32	28700	2.4	KA	87	D90L8
					KAF	87	D90L8
4.6	1150	197.37	28700	2.3	K	87	D80N6
5.2	1020	174.19	28800	2.7	KF	87	D80N6
5.5	960	164.34	28800	2.8	KA	87	D80N6
6.1	860	147.32	28900	3.1	KAF	87	D80N6
5.0	1040	135.28	18100	1.50	K	77	D90L8
5.3	990	128.52	18300	1.55	KF	77	D90L8
6.0	880	113.56	18700	1.75	KA	77	D90L8
7.0	750	97.05	19100	2.1	KAF	77	D90L8
5.8	900	154.02	18700	1.70	K	77	D80N6
6.7	790	135.28	19000	1.95	KF	77	D80N6
7.0	750	128.52	19100	2.1	KA	77	D80N6
7.9	665	113.56	19400	2.3	KAF	77	D80N6
8.8	595	154.02	19500	2.6	K	77	D80K4
10	520	135.28	19700	3.0	KF	77	D80K4
11	495	128.52	19700	3.1	KA	77	D80K4
12	440	113.56	19800	3.5	KAF	77	D80K4
14	375	97.05	19900	4.1			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model	
0.55kW							
7.3	720	123.54	11100	1.15	K	67	D80N6
8.3	630	108.03	11700	1.30	KF	67	D80N6
8.8	600	102.62	11900	1.35	KA	67	D80N6
10	525	90.04	12300	1.55	KAF	67	D80N6
12	445	76.37	12600	1.85			
11	475	123.54	12500	1.70	K	67	D80K4
13	415	108.03	12800	1.95	KF	67	D80K4
15	350	90.04	13000	2.4	KA	67	D80K4
18	295	76.37	13000	2.8	KAF	67	D80K4
8.3	630	108.29	7360	0.95			
8.8	600	102.88	7630	1.00	K	57	D80N6
10	525	90.26	8220	1.15	KF	57	D80N6
12	445	76.56	8670	1.35	KA	57	D80N6
13	405	69.12	8870	1.50	KAF	57	D80N6
15	355	60.81	9070	1.70			
16	335	57.42	9150	1.80			
11	480	123.85	8520	1.25			
13	420	108.29	8800	1.45			
13	395	102.88	8890	1.50	K	57	D80K4
15	350	90.26	9100	1.70	KF	57	D80K4
18	295	76.56	9300	2.0	KA	57	D80K4
20	265	69.12	9410	2.2	KAF	57	D80K4
22	235	60.81	9520	2.6			
24	220	57.42	9560	2.7			
13	405	104.37	5880	1.00	K	47	D80K4
15	350	90.86	6550	1.15	KF	47	D80K4
16	330	85.12	6790	1.20	KA	47	D80K4
18	290	75.20	7150	1.40	KAF	47	D80K4
19	270	69.84	7310	1.50			
21	245	63.30	7500	1.65	K	47	D80K4
24	220	56.83	7660	1.80	KF	47	D80K4
28	189	48.95	7830	2.1	KA	47	D80K4
30	178	46.03	7880	2.2	KAF	47	D80K4
23	225	58.60	4850	0.90			
27	192	49.79	4790	1.05			
31	172	44.46	4740	1.15			
36	147	37.97	4640	1.35			
38	137	35.57	4600	1.45			
45	116	29.96	4470	1.75			
47	111	28.83	4440	1.80			
54	97	24.99	4320	2.1			
58	90	23.36	4260	2.2	K	37	D80K4
67	78	20.19	4130	2.4	KF	37	D80K4
79	66	17.15	3980	2.7	KA	37	D80K4
89	59	15.31	3880	3.0	KAF	37	D80K4
104	54	13.08	3730	3.3			
112	47	12.14	3660	3.4			
130	41	10.49	3520	4.0			
153	34	8.91	3370	4.7			
171	31	7.96	3270	5.1			
200	26	6.80	3130	5.7			
214	25	6.37	3070	5.9			
254	21	5.36	2920	6.8			
0.75kW							
0.81	7960	1713	65000	1.00			
0.89	7230	1554	65000	1.10			
1.0	6210	1336	65000	1.30	K	107 R77	D80N4
1.2	5420	1166	65000	1.50	KF	107 R77	D80N4
1.3	4710	1030	65000	1.70	KA	107 R77	D80N4
1.5	4120	904	65000	1.95	KAF	107 R77	D80N4
1.7	3680	793	65000	2.2			
2.0	3210	696	65000	2.5			
2.2	2800	615	65000	2.8			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model	
0.75kW							
1.2	5180	1102	39700	0.85			
1.4	4490	957	40000	0.95			
1.6	4020	855	40000	1.05			
1.9	3430	743	40000	1.25	K	97R57	D80N4
2.1	3020	652	40000	1.40	KF	97R57	D80N4
2.4	2680	573	40000	1.60	KA	97R57	D80N4
2.7	2320	504	40000	1.85	KAF	97R57	D80N4
3.2	2010	437	40000	2.1			
3.6	1770	382	40000	2.4			
4.5	1420	305	40000	3.0			
5.4	1190	258	40000	3.6			
5.9	1080	232	40000	4.0			
6.9	920	199	40000	4.7			
1.9	3370	726	26300	0.80			
2.2	2970	638	26900	0.90			
2.5	2610	562	27400	1.05			
2.9	2200	474	27900	1.25	K	87R57	D80N4
3.2	1980	426	28100	1.35	KF	87R57	D80N4
3.7	1720	373	28300	1.55	KA	87R57	D80N4
4.2	1520	330	28500	1.80	KAF	87R57	D80N4
4.7	1350	294	28600	2.0			
5.5	1160	250	28700	2.3			
5.8	1100	236	28700	2.5			
6.9	930	201	28800	2.9			
3.8	1720	367	14000	0.90	K	77R37	D80N4
4.2	1540	328	15500	1.00	KF	77R37	D80N4
4.8	1360	290	16600	1.15	KA	77R37	D80N4
5.5	1180	252	17500	1.30	KAF	77R37	D80N4
6.2	1030	221	18200	1.50			
3.9	1830	176.05	40000	2.3	K	97	D100M8
4.5	1590	153.21	40000	2.7	KF	97	D100M8
4.9	1460	140.28	40000	3.0	KA	97	D100M8
					KAF	97	D100M8
4.7	1530	147.32	28500	1.75	K	87	D100M8
5.4	1320	126.91	28600	2.0	KF	87	D100M8
6.0	1200	115.82	28700	2.2	KA	87	D100M8
6.7	1070	102.71	28700	2.5	KAF	87	D100M8
5.2	1390	174.19	28600	1.95	K	87	D90S6
5.5	1310	164.34	28600	2.1	KF	87	D90S6
6.1	1170	147.32	28700	2.3	KA	87	D90S6
7.1	1010	126.91	28800	2.7	KAF	87	D90S6
7.0	1020	197.37	28800	2.6	K	87	D80N4
7.9	900	174.19	28800	3.0	KF	87	D80N4
8.4	850	164.34	28900	3.2	KA	87	D80N4
9.4	765	147.32	28900	3.5	KAF	87	D80N4
6.7	1080	135.28	18000	1.45	K	77	D90S6
7.0	1020	128.52	18200	1.50	KF	77	D90S6
7.9	900	113.56	18700	1.70	KA	77	D90S6
9.3	770	97.05	19100	2.0	KAF	77	D90S6
10	710	88.97	19200	2.2			
9.0	800	154.02	19000	1.95	K	77	D80N4
10	700	135.28	19300	2.2	KF	77	D80N4
11	665	128.52	19300	2.3	KA	77	D80N4
12	590	113.56	19500	2.6	KAF	77	D80N4
14	505	97.05	19700	3.1			
11	640	123.54	11700	1.30	K	67	D80N4
13	560	108.03	12100	1.45	KF	67	D80N4
15	465	90.04	12600	1.75	KA	67	D80N4
					KAF	67	D80N4
18	395	76.37	12800	2.1	K	67	D80N4
20	362	68.95	13000	2.3	KF	67	D80N4
23	315	60.66	13000	2.6	KA	67	D80N4
24	295	57.28	13000	2.8	KAF	67	D80N4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model	
0.75kW							
11	645	123.85	7130	0.95			
13	560	108.29	7940	1.05			
13	535	102.88	8160	1.10			
15	470	90.26	8570	1.30	K	57	D80N4
18	395	76.56	8890	1.50	KF	57	D80N4
20	360	69.12	9060	1.65	KA	57	D80N4
23	315	60.81	9230	1.90	KAF	57	D80N4
24	300	57.42	9290	2.0			
28	255	48.89	9450	2.4			
31	230	44.43	9530	2.6			
18	390	75.20	6060	1.00	K	47	D80N4
20	365	69.84	6410	1.10	KF	47	D80N4
22	330	63.30	6790	1.20	KA	47	D80N4
					KAF	47	D80N4
24	295	56.83	7110	1.35			
28	255	48.95	7430	1.55	K	47	D80N4
30	240	46.03	7540	1.65	KF	47	D80N4
35	205	39.61	7740	1.95	KA	47	D80N4
39	184	35.39	7760	2.2	KAF	47	D80N4
44	162	31.30	7550	2.5			
31	230	44.46	4170	0.85			
36	197	37.97	4150	1.00			
39	185	35.57	4140	1.10			
46	156	29.96	4080	1.30			
48	150	28.83	4060	1.35			
55	130	24.99	3990	1.55			
59	121	23.36	3950	1.60			
68	105	20.19	3860	1.75	K	37	D80N4
80	89	17.15	3750	2.0	KF	37	D80N4
90	80	15.31	3670	2.2	KA	37	D80N4
105	68	13.08	3550	2.4	KAF	37	D80N4
114	63	12.14	3500	2.5			
132	54	10.49	3380	2.9			
155	46	8.91	3250	3.5			
173	41	7.96	3160	3.8			
203	35	6.80	3030	4.2			
217	33	6.37	2980	4.4			
257	28	5.36	2840	5.0			
1.1kW							
1.2	7920	1166	65000	1.00			
1.4	6920	1030	65000	1.15			
1.5	6050	904	65000	1.30			
1.8	5380	793	65000	1.50	K	107R77	D90S4
2.0	4700	696	65000	1.70	KF	107R77	D90S4
2.3	4120	615	65000	1.95	KA	107R77	D90S4
2.7	3500	522	65000	2.3	KAF	107R77	D90S4
3.0	3080	461	65000	2.6			
3.4	2720	408	65000	2.9			
3.8	2450	364	65000	3.3			
4.4	2140	318	65000	3.7			
1.9	5030	743	39900	0.85			
2.2	4420	652	40000	0.95			
2.4	3910	573	40000	1.10	K	97 R57	D90S4
2.8	3400	504	40000	1.25	KF	97 R57	D90S4
3.2	2940	437	40000	1.45	KA	97 R57	D90S4
3.7	2590	382	40000	1.65	KAF	97 R57	D90S4
4.1	2300	342	40000	1.85			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model	
1.1kW							
3.0	3220	474	26600	0.85			
3.3	2890	426	27000	0.95			
3.8	2520	373	27500	1.05	K	87 R57	D90S4
4.2	2230	330	27800	1.20	KF	87 R57	D90S4
4.8	1980	294	28100	1.35	KA	87 R57	D90S4
5.6	1700	250	28300	1.60	KAF	87 R57	D90S4
5.9	1600	236	28400	1.70			
7.0	1360	201	28600	2.0			
3.9	2720	176.05	40000	1.60	K	97	D100L8
4.4	2370	153.21	40000	1.80	KF	97	D100L8
4.8	2170	140.28	40000	2.0	KA	97	D100L8
5.5	1910	123.93	40000	2.2	KAF	97	D100L8
5.2	2010	176.05	40000	2.1	K	97	D90L6
6.0	1750	153.21	40000	2.5	KF	97	D90L6
6.6	1600	140.28	40000	2.7	KA	97	D90L6
7.4	1420	123.93	40000	3.0	KAF	97	D90L6
7.9	1320	176.05	40000	3.3	K	97	D90S4
9.1	1150	153.21	40000	3.7	KF	97	D90S4
10	1050	140.28	40000	4.1	KA	97	D90S4
					KAF	97	D90S4
5.3	1990	174.19	28100	1.35	K	87	D90L6
5.6	1880	164.34	28200	1.45	KF	87	D90L6
6.2	1680	147.32	28300	1.60	KA	87	D90L6
7.2	1450	126.91	28500	1.85	KAF	87	D90L6
8.0	1310	174.19	28600	2.1	K	87	D90S4
8.5	1230	164.34	28700	2.2	KF	87	D90S4
9.5	1110	147.32	28700	2.4	KA	87	D90S4
11	950	126.91	28800	2.8	KAF	87	D90S4
12	870	115.82	28800	3.1			
6.8	1540	135.28	15400	1.00	K	77	D90L6
7.2	1470	128.52	15900	1.05	KF	77	D90L6
8.1	1300	113.56	17000	1.20	KA	77	D90L6
9.5	1110	97.05	17900	1.40	KAF	77	D90L6
10	1020	135.28	18300	1.55	K	77	D90S4
11	960	128.52	18400	1.60	KF	77	D90S4
12	850	113.56	18800	1.80	KA	77	D90S4
					KAF	77	D90S4
14	730	97.05	19200	2.1	K	77	D90S4
16	670	88.97	19300	2.3	KF	77	D90S4
18	585	78.07	19500	2.7	KA	77	D90S4
19	555	73.99	19600	2.8	KAF	77	D90S4
13	810	108.03	10400	1.00	K	67	D90S4
14	770	102.62	10700	1.05	KF	67	D90S4
16	675	90.04	11400	1.20	KA	67	D90S4
18	575	76.37	12000	1.45	KAF	67	D90S4
20	515	68.95	12300	1.60			
23	455	60.66	12600	1.80	K	67	D90S4
24	430	57.28	12700	1.90	KF	67	D90S4
29	365	48.77	12900	2.2	KA	67	D90S4
32	335	44.32	13000	2.5	KAF	67	D90S4
36	290	38.39	13000	2.8			
16	675	90.26	2410	0.90			
18	575	76.56	7840	1.05			
20	520	69.12	8280	1.15			
23	455	60.81	8630	1.30	K	57	D90S4
24	430	57.42	8750	1.40	KF	57	D90S4
29	365	48.89	9020	1.65	KA	57	D90S4
32	335	44.43	9160	1.80	KAF	57	D90S4
36	290	38.49	9330	2.1			
39	270	35.70	9400	2.2			
46	225	30.28	9540	2.6			
51	205	27.34	9510	2.9			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
1.1kW					
58	181	24.05	9220	3.3	
62	170	22.71	9090	3.5	
72	145	19.34	8720	4.0	
80	132	17.57	8510	4.2	
92	114	15.22	8180	4.7	K 57 D90S4
106	99	13.25	7880	5.1	KF 57 D90S4
117	90	11.92	7570	4.6	KA 57 D90S4
124	85	11.26	7450	4.9	KAF 57 D90S4
146	72	9.59	7120	5.6	
161	65	8.71	6930	6.0	
186	57	7.55	6650	6.4	
213	49	6.57	6380	7.0	
25	425	56.83	3310	0.95	K 47 D90S4
29	365	48.95	6360	1.10	KF 47 D90S4
30	345	46.03	6610	1.15	KA 47 D90S4
					KAF 47 D90S4
35	295	39.61	7090	1.35	
40	265	35.39	7090	1.50	K 47 D90S4
45	235	31.30	6960	1.70	KF 47 D90S4
48	220	29.32	6890	1.80	KA 47 D90S4
54	194	25.91	6730	2.1	KAF 47 D90S4
64	164	21.81	6510	2.4	
72	147	19.58	6360	2.7	
47	225	29.96	3420	0.90	
56	188	24.99	3440	1.05	
60	175	23.36	3440	1.10	
69	152	20.19	3420	1.20	
82	129	17.15	3370	1.40	
91	115	15.31	3330	1.50	K 37 D90S4
107	98	13.08	3260	1.70	KF 37 D90S4
115	91	12.14	3220	1.75	KA 37 D90S4
133	79	10.49	3140	2.0	KAF 37 D90S4
157	67	8.91	3040	2.4	
176	60	7.96	2970	2.6	
206	51	6.80	2870	2.9	
220	48	6.37	2830	3.0	
261	40	5.36	2720	3.5	
1.5kW					
1.4	9460	1030	65000	0.85	
1.6	8280	904	65000	0.95	
1.8	7330	739	65000	1.10	
2.0	6420	696	65000	1.25	K 107R77 D90L4
2.3	5640	615	65000	1.40	KF 107R77 D90L4
2.7	4780	522	65000	1.65	KA 107R77 D90L4
3.1	4210	461	65000	1.90	KAF 107R77 D90L4
3.5	3720	408	65000	2.2	
3.9	3350	364	65000	2.4	
4.4	2920	318	65000	2.7	
2.5	5320	573	39500	0.80	
2.8	4650	504	40000	0.95	
3.2	4020	437	40000	1.05	K 97 R57 D90L4
3.7	3540	382	40000	1.20	KF 97 R57 D90L4
4.1	3140	342	40000	1.35	KA 97 R57 D90L4
4.6	2820	305	40000	1.50	KAF 97 R57 D90L4
5.5	2380	258	40000	1.80	
6.1	2140	232	40000	2.0	
7.1	1840	199	40000	2.3	
4.3	3040	330	26800	0.90	
4.8	2700	294	27300	1.00	K 87 R57 D90L4
5.6	2310	250	27700	1.15	KF 87 R57 D90L4
6.0	2180	236	27900	1.25	KA 87 R57 D90L4
7.0	1860	201	28200	1.45	KAF 87 R57 D90L4
7.7	1690	183	28300	1.60	
4.9	2940	143.47	65000	2.7	K 107 D112M8
5.8	2490	121.46	65000	3.2	KF 107 D112M8
6.2	2300	112.41	65000	3.5	KA 107 D112M8
					KAF 107 D112M8

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
1.5kW					
4.6	3140	153.21	40000	1.35	K 97 D112M8
5.0	2870	140.28	40000	1.50	KF 97 D112M8
5.7	2540	123.93	40000	1.70	KA 97 D112M8
					KAF 97 D112M8
5.2	2740	176.05	40000	1.55	K 97 D100M6
6.0	2390	153.21	40000	1.80	KF 97 D100M6
6.6	2180	140.28	40000	1.95	KA 97 D100M6
7.4	1930	123.93	40000	2.2	KAF 97 D100M6
8.0	1790	176.05	40000	2.4	K 97 D90L4
9.2	1560	153.21	40000	2.8	KF 97 D90L4
10	1430	140.28	40000	3.0	KA 97 D90L4
11	1260	123.93	40000	3.4	KAF 97 D90L4
6.2	2290	147.32	27800	1.20	K 87 D100M6
7.2	1980	126.91	28100	1.35	KF 87 D100M6
7.9	1800	115.82	28200	1.50	KA 87 D100M6
9.0	1600	102.71	28400	1.70	KAF 87 D100M6
8.1	1770	174.19	28300	1.55	
8.6	1670	164.34	28300	1.60	K 87 D90L4
9.6	1500	147.32	28500	1.80	KF 87 D90L4
11	1290	126.91	28600	2.1	KA 87 D90L4
12	1180	115.82	28700	2.3	KAF 87 D90L4
14	1040	102.71	28800	2.6	
16	880	86.34	28800	3.1	
8.1	1770	113.56	13600	0.90	K 77 D100M6
9.5	1510	97.05	15700	1.05	KF 77 D100M6
10	1390	88.97	16400	1.10	KA 77 D100M6
12	1220	78.07	17400	1.30	KAF 77 D100M6
10	1370	135.28	16500	1.15	K 77 D90L4
11	1310	128.52	16900	1.20	KF 77 D90L4
12	1150	113.56	17700	1.35	KA 77 D90L4
15	990	97.05	18400	1.55	KAF 77 D90L4
16	900	88.97	18700	1.70	
18	795	78.07	19000	1.95	
19	750	73.99	19100	2.1	K 77 D90L4
22	660	64.75	19400	2.4	KF 77 D90L4
24	595	58.34	19500	2.6	KA 77 D90L4
28	520	51.18	19700	3.0	KAF 77 D90L4
31	460	45.16	19800	3.4	
35	405	40.04	19800	3.8	
16	910	90.04	9370	0.90	K 67 D90L4
18	775	76.37	10700	1.05	KF 67 D90L4
20	700	68.95	11300	1.15	KA 67 D90L4
23	615	60.66	11800	1.35	KAF 67 D90L4
25	580	57.28	12000	1.40	
29	495	48.77	12400	1.65	
32	450	44.32	12600	1.80	K 67 D90L4
37	390	38.39	12800	2.0	KF 67 D90L4
40	360	35.62	12900	2.3	KA 67 D90L4
47	305	30.22	13000	2.7	KAF 67 D90L4
52	275	27.28	13000	3.0	
59	245	24.00	13000	3.3	
23	620	60.81	7480	0.95	K 57 D90L4
25	685	57.42	7770	1.05	KF 57 D90L4
29	495	48.89	8430	1.20	KA 57 D90L4
32	450	44.43	8650	1.35	KAF 57 D90L4
37	390	38.49	8920	1.55	
39	365	35.70	9040	1.65	K 57 D90L4
47	310	30.28	9190	1.95	KF 57 D90L4
52	280	27.34	9010	2.2	KA 57 D90L4
59	245	24.05	8780	2.5	KAF 57 D90L4
62	230	22.71	8670	2.6	
73	196	19.34	8360	2.9	
36	400	39.61	5890	1.00	K 47 D90L4
40	360	35.39	6360	1.10	KF 47 D90L4
45	320	31.30	6310	1.25	KA 47 D90L4
					KAF 47 D90L4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
1.5kW					
48	300	29.32	6270	1.35	
54	265	25.91	6190	1.50	
65	220	21.81	6050	1.80	K 47 D90L4
72	199	19.58	5950	2.0	KF 47 D90L4
84	171	16.86	5800	2.2	KA 47 D90L4
89	161	15.86	5730	2.4	KAF 47 D90L4
103	139	13.65	5560	2.6	
116	124	12.19	5430	2.8	
120	120	11.17	5340	2.3	
60	235	23.36	2860	0.80	
70	205	20.19	2920	0.90	
82	174	17.15	2940	1.05	
92	156	15.31	2950	1.10	K 37 D90L4
108	133	13.08	2930	1.25	KF 37 D90L4
116	123	12.14	2920	1.30	KA 37 D90L4
134	107	10.49	2880	1.50	KAF 37 D90L4
158	91	8.91	2820	1.75	
177	81	7.96	2770	1.90	
207	69	6.80	2700	2.2	
221	65	6.37	2670	2.2	
263	55	5.36	2580	2.6	
2.2kW					
2.3	8340	615	65000	0.95	
2.7	7070	522	65000	1.15	
3.1	6230	461	65000	1.30	K 107R77 D100M4
3.5	5520	408	65000	1.45	KF 107R77 D100M4
3.9	4940	364	65000	1.60	KA 107R77 D100M4
4.4	4320	318	65000	1.85	KAF 107R77 D100M4
4.9	3890	286	65000	2.1	
5.6	3410	251	65000	2.3	
3.7	5210	382	39700	0.80	
4.1	4640	342	40000	0.95	K 97 R57 D100M4
4.6	4170	305	40000	1.05	KF 97 R57 D100M4
5.5	3510	258	40000	1.20	KA 97 R57 D100M4
6.1	3160	232	40000	1.35	KAF 97 R57 D100M4
7.1	2710	199	40000	1.60	
4.9	4310	143.47	65000	1.85	K 107 D132S8
5.8	3650	121.46	65000	2.2	KF 107 D132S8
6.2	3370	112.41	65000	2.4	KA 107 D132S8
6.9	3020	100.75	65000	2.7	KAF 107 D132S8
6.1	3420	153.21	40000	1.25	K 97 D112M6
6.7	3140	140.28	40000	1.35	KF 97 D112M6
7.6	2770	123.93	40000	1.55	KA 97 D112M6
8.9	2350	105.13	40000	1.85	KAF 97 D112M6
8.0	2620	176.05	40000	1.65	K 97 D100M4
9.2	2280	153.21	40000	1.90	KF 97 D100M4
10	2090	140.28	40000	2.1	KA 97 D100M4
11	1850	123.93	40000	2.3	KAF 97 D100M4
13	1570	105.13	40000	2.8	K 97 D100M4
15	1440	96.80	40000	3.0	KF 97 D100M4
					KA 97 D100M4
					KAF 97 D100M4
9.6	2200	147.32	27900	1.25	K 87 D100M4
11	1890	126.91	28200	1.45	KF 87 D100M4
12	1730	115.82	28300	1.55	KA 87 D100M4
					KAF 87 D100M4
14	1530	102.71	28500	1.75	K 87 D100M4
16	1290	86.34	28600	2.1	KF 87 D100M4
18	1180	79.34	28700	2.3	KA 87 D100M4
20	1050	70.46	28800	2.6	KAF 87 D100M4
22	940	63.00	28800	2.9	
12	1690	113.56	14300	0.90	
15	1450	97.05	16100	1.05	K 77 D100M4
16	1330	88.97	16800	1.15	KF 77 D100M4
18	1160	78.07	17600	1.35	KA 77 D100M4
19	1100	73.99	17900	1.40	KAF 77 D100M4
22	960	64.75	18400	1.60	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_a	机型号 Model
2.2kW					
24	870	58.34	18800	1.80	
28	765	51.18	19100	2.0	
31	675	45.16	19300	2.3	K 77 D100M4
35	595	40.04	19500	2.6	KF 77 D100M4
40	525	35.20	19700	3.0	KA 77 D100M4
46	460	30.89	19800	3.4	KAF 77 D100M4
48	435	29.27	19800	3.6	
55	380	25.62	19900	4.1	
23	900	60.66	9490	0.90	
25	850	57.28	10000	0.95	K 67 D100M4
29	725	48.77	11100	1.15	KF 67 D100M4
32	660	44.32	11500	1.25	KA 67 D100M4
37	570	38.39	12100	1.40	KAF 67 D100M4
40	530	35.62	12300	1.55	
47	450	30.22	12600	1.80	
52	405	27.28	12800	2.0	
59	360	24.00	13000	2.2	
62	340	22.66	13000	2.3	
73	285	19.30	13000	2.6	
80	260	17.54	13000	2.8	K 67 D100M4
93	225	15.19	13000	3.1	KF 67 D100M4
107	197	13.22	13000	3.4	KA 67 D100M4
113	186	12.48	13000	2.8	KAF 67 D100M4
133	158	10.63	13000	3.2	
146	144	9.66	13000	3.3	
169	125	8.37	13000	3.5	
194	109	7.28	12700	3.9	
32	660	44.43	5100	0.90	K 57 D100M4
37	575	38.49	7850	1.05	KF 57 D100M4
39	530	35.70	8080	1.15	KA 57 D100M4
47	450	30.28	8250	1.35	KAF 57 D100M4
52	405	27.34	8160	1.45	
59	360	24.05	8030	1.65	
62	340	22.71	7970	1.75	K 57 D100M4
73	290	19.34	7760	2.0	KF 57 D100M4
80	260	17.57	7630	2.1	KA 57 D100M4
93	225	15.22	7430	2.4	KAF 57 D100M4
106	197	13.25	7220	2.6	
118	178	11.92	6890	2.3	
125	168	11.26	6810	2.5	
54	385	25.91	5260	1.05	K 47 D100M4
65	325	21.81	5260	1.25	KF 47 D100M4
72	290	19.58	5240	1.35	KA 47 D100M4
					KAF 47 D100M4
84	250	16.86	5190	1.50	
89	235	15.86	5160	1.60	K 47 D100M4
103	205	123.65	5070	1.75	KF 47 D100M4
116	182	12.19	4990	1.95	KA 47 D100M4
120	175	11.77	4890	1.60	KAF 47 D100M4
133	157	10.56	4810	1.80	
155	136	9.10	4690	2.1	
108	195	13.08	2370	0.85	
134	156	10.49	2430	1.00	K 37 D100M4
158	133	8.91	2440	1.20	KF 37 D100M4
177	119	7.96	2430	1.30	KA 37 D100M4
207	101	6.80	2410	1.50	KAF 37 D100M4
221	95	6.37	2400	1.55	
263	80	5.36	2350	1.75	
3.0kW					
3.0	8610	461	65000	0.95	
3.4	7620	408	65000	1.05	
3.8	6820	364	65000	1.15	
4.4	5960	318	65000	1.35	K 107 R77 D100L4
4.9	5370	286	65000	1.50	KF 107 R77 D100L4
5.6	4700	251	65000	1.70	KA 107 R77 D100L4
6.3	4150	222	65000	1.95	KAF 107 R77 D100L4
7.1	3670	196	65000	2.2	
8.1	3250	174	65000	2.2	
9.1	2880	154	65000	2.5	
10	2610	140	65000	2.8	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
3.0kW						
5.4	4840	258	40000	0.90	K	97 R57 D100L4
6.0	4360	232	40000	1.00	KF	97 R57 D100L4
7.0	3740	199	40000	1.15	KA	97 R57 D100L4
					KAF	97 R57 D100L4
5.0	5710	143.47	65000	1.40	K	107 D132M8
5.9	4830	121.46	65000	1.65	KF	107 D132M8
6.4	4470	112.41	65000	1.80	KA	107 D132M8
7.2	4010	100.75	65000	2.0	KAF	107 D132M8
7.9	3620	90.96	65000	2.2		
6.6	4370	143.47	65000	1.85	K	107 D132S6
7.7	3700	121.46	65000	2.2	KF	107 D132S6
8.4	3430	112.41	65000	2.3	KA	107 D132S6
9.3	3070	100.75	65000	2.6	KAF	107 D132S6
					K	107 D100L4
9.8	2940	143.47	65000	2.7	KF	107 D100L4
12	2490	121.46	65000	3.2	KA	107 D100L4
					KAF	107 D100L4
7.6	3780	123.93	40000	1.15	K	97 D132S6
8.9	3200	105.13	40000	1.35	KF	97 D132S6
9.7	2950	96.80	40000	1.45	KA	97 D132S6
11	2640	86.52	40000	1.65	KAF	97 D132S6
7.9	3600	176.05	40000	1.20	K	97 D100L4
9.1	3140	153.21	40000	1.35	KF	97 D100L4
10	2870	140.28	40000	1.50	KA	97 D100L4
11	2540	123.93	40000	1.70	KAF	97 D100L4
13	2150	105.13	40000	2.0		
14	1980	96.80	40000	2.2		
16	1770	86.52	40000	2.4	K	97 D100L4
18	1590	77.89	40000	2.7	KF	97 D100L4
20	1440	70.54	40000	3.0	KA	97 D100L4
22	1280	62.55	40000	3.4	KAF	97 D100L4
25	1160	56.55	40000	3.7		
9.5	3010	147.32	26900	0.90	K	87 D100L4
11	2600	126.91	27400	1.05	KF	87 D100L4
12	2370	115.82	27700	1.15	KA	87 D100L4
14	2100	102.71	28000	1.30	KAF	87 D100L4
16	1770	86.34	28300	1.55		
18	1620	79.34	28400	1.65		
20	1440	70.46	28500	1.85	K	87 D100L4
22	1290	63.00	28600	2.1	KF	87 D100L4
25	1160	56.64	28700	2.3	KA	87 D100L4
28	1010	49.16	28800	2.7	KAF	87 D100L4
32	900	44.02	28800	2.9		
38	745	36.52	28400	3.3		
16	1820	88.97	13100	0.85		
18	1600	78.07	15000	0.95	K	77 D100L4
19	1510	73.99	15600	1.00	KF	77 D100L4
22	1330	64.75	16800	1.15	KA	77 D100L4
24	1190	58.34	17500	1.30	KAF	77 D100L4
27	1050	51.18	18100	1.50		
31	920	45.16	18600	1.70	K	77 D100L4
35	820	40.04	18900	1.90	KF	77 D100L4
40	720	35.20	19200	2.2	KA	77 D100L4
45	630	30.89	19400	2.5	KAF	77 D100L4
32	910	44.32	9450	0.90		
36	785	38.39	10600	1.00	K	67 D100L4
39	730	35.62	11100	1.15	KF	67 D100L4
46	620	30.22	11800	1.35	KA	67 D100L4
51	560	27.28	12100	1.45	KAF	67 D100L4
58	490	24.00	12500	1.65		
62	465	22.66	12600	1.70		
73	395	19.30	12800	1.95		
80	360	17.54	13000	2.1	K	67 D100L4
92	310	15.19	13000	2.2	KF	67 D100L4
106	270	13.22	13000	2.5	KA	67 D100L4
112	255	12.48	13000	2.1	KAF	67 D100L4
132	220	10.63	13000	2.3		
145	198	9.66	13000	2.4		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
3.0kW						
46	620	30.28	7180	0.95	K	57 D100L4
51	560	27.34	7190	1.05	KF	57 D100L4
58	490	24.05	7180	1.20	KA	57 D100L4
					KAF	57 D100L4
62	465	22.71	7160	1.30		
72	395	19.34	7080	1.45		
80	360	17.57	7020	1.55		
92	310	15.22	6890	1.70		
106	270	13.25	6750	1.90	K	57 D100L4
117	245	19.92	6420	1.70	KF	57 D100L4
124	230	11.26	6370	1.80	KA	57 D100L4
146	196	9.59	6200	2.1	KAF	57 D100L4
161	178	8.71	6090	2.2		
189	154	7.55	5920	2.4		
213	134	6.57	5750	2.6		
72	400	19.58	4430	1.00	K	47 D100L4
83	345	16.86	4490	1.10	KF	47 D100L4
88	325	15.86	4500	1.15	KA	47 D100L4
					KAF	47 D100L4
103	280	13.65	4510	1.30		
115	250	12.19	4490	1.40		
119	240	11.77	4370	1.15		
133	215	10.56	4350	1.30	K	47 D100L4
154	186	9.10	4290	1.50	KF	47 D100L4
164	175	8.56	4270	1.55	KA	47 D100L4
190	151	7.36	4190	1.65	KAF	47 D100L4
213	135	6.58	4120	1.80		
241	119	5.81	4030	1.95		
157	182	8.91	2000	0.90		
176	163	7.96	2040	0.95	K	37 D100L4
206	139	6.80	2080	1.10	KF	37 D100L4
220	130	6.37	2080	1.10	KA	37 D100L4
261	110	5.36	2090	1.30	KAF	37 D100L4
4.0kW						
3.9	8990	364	650000	0.90		
4.5	7860	318	650000	1.00		
5.0	7080	286	650000	1.15	K	107 R77 D112M4
5.7	6200	251	650000	1.30	KF	107 R77 D112M4
6.4	5470	222	650000	1.45	KA	107 R77 D112M4
7.2	4840	196	650000	1.65	KAF	107 R77 D112M4
8.2	4290	174	650000	1.70		
9.2	3800	154	650000	1.90		
10	3440	140	650000	2.1		
7.1	4930	199	40000	0.85	K	97 R57 D112M4
					KF	97 R57 D112M4
					KA	97 R57 D112M4
					KAF	97 R57 D112M4
6.4	5960	112.41	65000	1.35	K	107 D132ML8
7.2	5340	100.75	65000	1.50	KF	107 D132ML8
7.9	4830	90.96	65000	1.65	KA	107 D132ML8
8.7	4380	82.61	65000	1.85	KAF	107 D132ML8
6.7	5710	143.47	65000	1.40	K	107 D132M6
7.9	4830	121.46	65000	1.65	KF	107 D132M6
8.5	4470	112.41	65000	1.80	KA	107 D132M6
9.5	4010	100.75	65000	2.0	KAF	107 D132M6
11	3620	90.96	65000	2.2		
9.9	3860	143.47	65000	2.1		
12	3270	121.46	65000	2.5	K	107 D112M4
13	3020	112.41	65000	2.7	KF	107 D112M4
14	2710	100.75	65000	3.0	KA	107 D112M4
16	2450	90.96	65000	3.3	KAF	107 D112M4
17	2220	82.61	65000	3.6		
19	1970	73.30	65000	4.1		
9.3	4120	153.21	40000	1.05	K	97 D112M4
10	3770	140.28	40000	1.15	KF	97 D112M4
11	3330	123.93	40000	1.30	KA	97 D112M4
					KAF	97 D112M4

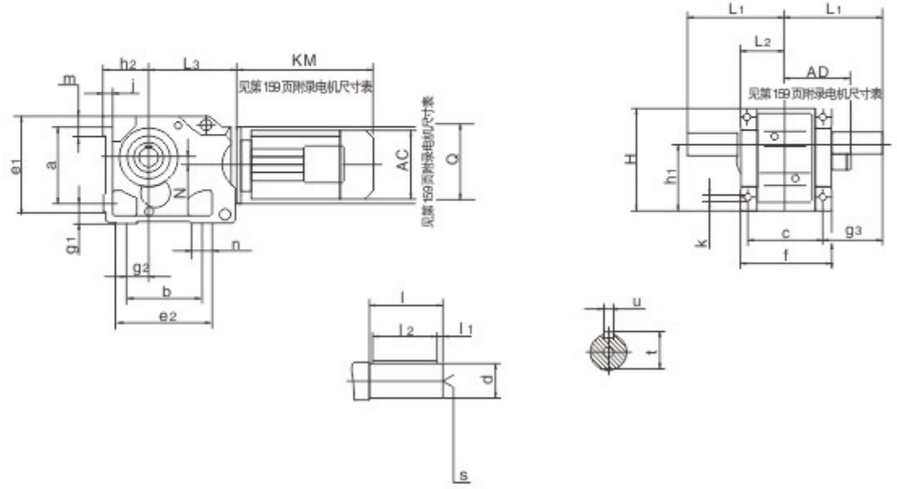
输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
4.0kW						
14	2830	105.13	40000	1.50	K	97 D112M4
15	2600	96.80	40000	1.65	BKF	97 D112M4
16	2330	86.52	40000	1.85	KA	97 D112M4
18	2100	77.89	40000	2.0	KAFB	97 D112M4
20	1900	70.54	40000	2.3		
12	3120	115.82	26700	0.85	K	87 D112M4
14	2760	102.71	27200	1.00	KF	87 D112M4
16	2320	86.34	27700	1.15	KA	87 D112M4
18	2130	79.34	27900	1.25	KAF	87 D112M4
20	1900	70.46	28200	1.40		
23	1690	63.00	28300	1.60	K	87 D112M4
25	1520	56.64	28500	1.75	KF	87 D112M4
29	1320	49.16	28600	2.0	KA	87 D112M4
32	1180	44.02	28300	2.2	KAF	87 D112M4
39	980	36.52	27300	2.5		
22	1740	64.75	13900	0.90		
24	1570	58.34	15200	1.00	K	77 D112M4
28	1380	51.18	16500	1.15	KF	77 D112M4
31	1210	45.16	17400	1.30	KA	77 D112M4
35	1080	40.04	18000	1.45	KAF	77 D112M4
37	1030	38.39	18200	1.45		
40	950	35.20	18500	1.65		
46	830	30.89	18900	1.85	K	77 D112M4
49	785	29.27	19000	1.95	KF	77 D112M4
55	690	25.62	19300	2.2	KA	77 D112M4
62	620	23.08	19500	2.5	KAF	77 D112M4
70	545	20.25	19600	2.8		
47	810	30.22	10400	1.00	K	67 D112M4
52	735	27.28	11000	1.10	KF	67 D112M4
59	645	24.00	11600	1.25	KA	67 D112M4
63	610	22.66	11800	1.30	KAF	67 D112M4
74	520	19.30	12300	1.45		
81	470	17.54	12500	1.55		
94	410	15.19	12800	1.70	K	67 D112M4
107	355	13.22	13000	1.90	KF	67 D112M4
114	335	12.48	13000	1.60	KA	67 D112M4
134	285	10.63	13000	1.75	KAF	67 D112M4
147	260	9.66	12900	1.85		
170	225	8.37	12500	1.95		
195	196	7.28	12100	2.1		
59	645	24.05	6120	0.95		
63	610	22.71	6160	1.00		
73	520	19.34	6220	1.10		
81	475	17.57	6230	1.15		
93	410	15.22	6210	1.30	K	57 D112M4
107	355	13.25	6150	1.45	KF	57 D112M4
119	320	11.92	5810	1.30	KA	57 D112M4
126	305	11.26	5790	1.35	KAF	57 D112M4
148	260	9.59	5700	1.55		
163	235	8.71	5640	1.65		
188	205	7.55	5530	1.80		
216	177	6.57	5400	1.95		
8.5	6150	112.41	65000	1.30	K	107 D132ML6
9.5	5510	100.75	65000	1.45	KF	107 D132ML6
11	4980	90.96	65000	1.60	KA	107 D132ML6
12	4520	82.61	65000	1.75	KAF	107 D132ML6
5.5kW						
10	5270	143.47	65000	1.50		
12	4460	121.46	65000	1.80	K	107 D132S4
13	4130	112.41	65000	1.95	KF	107 D132S4
14	3700	100.75	65000	2.2	KA	107 D132S4
16	3340	90.96	65000	2.4	KAF	107 D132S4
17	3030	82.61	65000	2.6		
12	4550	123.93	40000	0.95	K	97 D132S4
14	3860	105.13	40000	1.10	KF	97 D132S4
15	3560	96.80	40000	1.20	KA	97 D132S4
17	3180	86.52	40000	1.35	KAF	97 D132S4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
5.5kW						
18	2860	77.89	40000	1.50	K	97 D132S4
20	2590	70.54	40000	1.65	KF	97 D132S4
23	2300	62.55	40000	1.85	KA	97 D132S4
25	2080	56.55	39700	2.1	KAF	97 D132S4
30	1760	47.93	38600	2.4		
17	3170	86.34	26600	0.85		
18	2910	79.34	27000	0.95	K	87 D132S4
20	2590	70.46	27400	1.05	KF	87 D132S4
23	2310	63.00	27500	1.15	KA	87 D132S4
25	2080	56.64	27300	1.30	KAF	87 D132S4
29	1810	49.16	26900	1.50	K	87 D132S4
32	1620	44.02	26500	1.60	KF	87 D132S4
39	1340	36.52	25800	1.85	KA	87 D132S4
46	1150	31.39	25200	2.3	KAF	87 D132S4
51	1020	27.88	24700	2.5		
32	1660	45.16	14600	0.95	K	77 D132S4
36	1470	40.04	15900	1.05	KF	77 D132S4
46	1130	30.89	17800	1.35	KA	77 D132S4
49	1070	29.27	18000	1.45	KAF	77 D132S4
56	940	25.62	18500	1.65		
62	850	23.08	18800	1.85		
71	745	20.25	19100	2.0	K	77 D132S4
80	655	17.87	19400	2.2	KF	77 D132S4
90	580	15.84	19200	2.4	KA	77 D132S4
106	495	13.52	18600	2.7	KAF	77 D132S4
116	455	12.36	17900	2.2		
132	400	10.86	17400	2.5		
60	880	24.00	9720	0.90		
63	830	22.66	10200	0.95	K	67 D132S4
74	710	19.30	11200	1.05	KF	67 D132S4
82	645	17.54	11600	1.15	KA	67 D132S4
94	560	15.19	12100	1.25	KAF	67 D132S4
108	485	13.22	12500	1.40		
115	460	12.48	12600	1.15		
135	390	10.63	12400	1.30	K	67 D132S4
148	355	9.66	12200	1.35	KF	67 D132S4
171	305	8.37	11900	1.45	KA	67 D132S4
196	265	7.28	11600	1.55	KAF	67 D132S4
81	645	17.57	5080	0.85		
94	560	15.22	5210	0.95		
108	485	13.25	5280	1.05	K	57 D132S4
120	440	11.92	4920	0.95	KF	57 D132S4
127	415	11.26	4950	1.00	KA	57 D132S4
149	350	9.59	4990	1.15	KAF	57 D132S4
164	320	8.71	4990	1.20		
190	275	7.55	4960	1.30		
218	240	6.57	4910	1.45		
7.5kW						
10	7190	143.47	65000	1.10	K	107 D132M4
12	6080	121.46	65000	1.30	KF	107 D132M4
13	5630	112.41	65000	1.40	KA	107 D132M4
					KAF	107 D132M4
14	5050	100.75	65000	1.60		
16	4560	90.96	64200	1.75		
17	4140	82.61	63200	1.95	K	107 D132M4
20	3670	73.30	61900	2.2	KF	107 D132M4
22	3330	66.52	60900	2.4	KA	107 D132M4
25	2860	57.17	59100	2.8	KAF	107 D132M4
29	2500	49.90	57500	3.1		
34	2120	42.33	55500	3.5		
39	1850	37.00	53800	3.9		

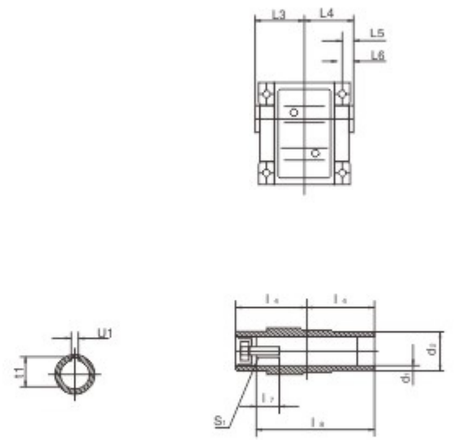
输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model	
7.5kW						
15	4850	96.80	38300	0.90	K 97	D132M4
17	4330	86.52	38300	1.00	KF 97	D132M4
18	3900	77.89	38100	1.10	KA 97	D132M4
20	3530	70.54	37900	1.20	KAF 97	D132M4
23	3130	62.55	37500	1.35		
25	2830	56.55	37100	1.50	K 97	D132M4
30	2400	47.93	36400	1.80	KF 97	D132M4
34	2100	41.87	35600	2.0	KA 97	D132M4
37	1920	38.30	35100	2.2	KAF 97	D132M4
42	1710	34.23	34400	2.5		
23	3160	63.00	24100	0.85	K 87	D132M4
25	2840	56.64	24200	0.95	KF 87	D132M4
29	2460	49.16	24200	1.10	KA 87	D132M4
32	2200	44.02	24200	1.20	KAF 87	D132M4
39	1830	36.52	23900	1.35		
46	1570	31.39	23500	1.70		
51	1400	27.88	23200	1.85		
57	1250	24.92	22800	2.0	K 87	D132M4
64	1120	22.41	22500	2.0	KF 87	D132M4
74	970	19.45	21900	2.4	KA 87	D132M4
82	870	17.42	21500	2.5	KAF 87	D132M4
89	800	16.00	20600	2.2		
99	725	14.45	20700	2.9		
46	1550	30.89	15400	1.00	K 77	D132M4
49	1470	29.27	16000	1.05	KF 77	D132M4
56	1280	25.62	17000	1.20	KA 77	D132M4
62	1160	23.08	17700	1.35	KAF 77	D132M4
71	1010	20.25	18300	1.50		
80	890	17.87	18600	1.60		
90	795	15.84	18200	1.75		
106	675	13.52	17800	2.0	K 77	D132M4
116	620	12.36	17000	1.60	KF 77	D132M4
132	545	10.84	16700	1.80	KA 77	D132M4
150	480	9.56	16300	1.95	KAF 77	D132M4
169	425	8.48	15900	2.1		
198	365	7.24	15400	2.3		
11.0kW						
13	8200	112.41	58400	1.00	K 107	D160M4
14	7350	100.75	58300	1.10	KF 107	D160M4
16	6630	90.96	58000	1.20	KA 107	D160M4
17	6030	82.61	57500	1.35	KAF 107	D160M4
20	5350	73.30	56900	1.50		
22	4850	66.52	56200	1.65	K 107	D160M4
25	4170	57.17	55100	1.90	KF 107	D160M4
29	3640	49.90	54000	2.2	KA 107	D160M4
34	3090	42.33	52500	2.4	KAF 107	D160M4
39	2700	37.00	51200	2.7		
20	5150	70.54	32200	0.85	K 97	D160M4
23	4560	62.55	32500	0.95	KF 97	D160M4
25	4130	56.55	32500	1.05	KA 97	D160M4
30	3500	47.93	32500	1.25	KAF 97	D160M4
34	3050	41.87	32200	1.40		
38	2790	38.30	32000	1.55		
42	2500	34.23	31600	1.70	K 97	D160M4
47	2250	30.82	31300	1.90	KF 97	D160M4
52	2040	27.91	30800	2.1	KA 97	D160M4
58	1800	24.75	30300	2.4	KAF 97	D160M4
64	1630	22.37	29800	2.6		
33	3210	44.02	20000	0.80	K 87	D160M4
39	2660	36.52	20400	0.95	KF 87	D160M4
46	2290	31.39	20600	1.20	KA 87	D160M4
52	2030	27.88	20600	1.30	KAF 87	D160M4
58	1820	24.92	20500	1.40		
64	1630	22.41	20300	1.40		
74	1420	19.45	20100	1.60		
83	1270	17.42	19800	1.75		
90	1170	16.00	18800	1.55	K 87	D160M4
100	1050	14.45	19400	2.0	KF 87	D160M4
115	920	12.56	18900	2.2	KA 87	D160M4
129	810	11.17	18000	1.85	KAF 87	D160M4
144	730	10.00	17700	2.1		
174	605	8.29	17100	2.3		
200	525	7.21	16700	2.5		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model	
11.0kW						
62	1680	23.08	14400	0.90		
71	1480	20.25	15900	1.00		
81	1300	17.87	16600	1.10		
91	1160	15.84	16500	1.20	K 77	D160M4
107	990	13.52	16300	1.35	KF 77	D160M4
117	900	12.36	15500	1.10	KA 77	D160M4
133	790	10.84	15300	1.25	KAF77	D160M4
151	700	9.56	15100	1.35		
170	620	8.48	14800	1.45		
199	530	7.24	14500	1.55		
15.0kW						
16	8920	90.96	50900	0.90	K 107	D160L4
18	8110	82.61	51100	1.00	KF 107	D160L4
20	7190	73.30	51200	1.10	KA 107	D160L4
22	6530	66.52	51000	1.25	KAF 107	D160L4
26	5610	57.17	50600	1.45		
29	4900	49.90	50000	1.60		
34	4150	42.33	49100	1.75	K 107	D160L4
39	3630	37.00	48200	2.0	KF 107	D160L4
45	3210	32.69	47300	2.2	KA 107	D160L4
47	3070	31.28	47000	2.2	KAF 107	D160L4
50	2840	29.00	46400	2.5		
30	4700	47.93	28100	0.90	K 97	D160L4
35	4110	41.87	28400	1.05	KF 97	D160L4
38	3760	38.30	28500	1.15	KA 97	D160L4
43	3360	34.23	28500	1.30	KAF 97	D160L4
47	3020	30.82	28400	1.40		
52	2740	27.91	28300	1.55	K 97	D160L4
59	2430	24.75	28000	1.75	KF 97	D160L4
65	2190	22.37	27700	1.95	KA 97	D160L4
77	1860	18.96	27200	2.3	KAF 97	D160L4
88	1620	16.56	26600	2.7		
47	3080	31.39	17300	0.90		
52	2730	27.88	17600	0.95	K 87	D160L4
59	2440	24.92	17800	1.00	KF 87	D160L4
65	2200	22.41	18000	1.05	KA 87	D160L4
75	1910	19.45	18000	1.20	KAF 87	D160L4
84	1710	17.42	18000	1.30		
91	1570	16.00	16800	1.15		
101	1420	14.45	17800	1.50	K 87	D160L4
116	1230	12.56	17600	1.60	KF 87	D160L4
131	1100	11.17	16600	1.35	KA 87	D160L4
146	980	10.00	16400	1.55	KAF 87	D160L4
176	810	8.29	16000	1.70		
202	705	7.21	15700	1.85		
18.5kW						
20	8840	73.30	46300	0.90	K	107 D180M4
22	8020	66.52	46600	1.00	KF	107 D180M4
26	6890	57.17	46800	1.15	KA	107 D180M4
29	6020	49.90	46700	1.30	KAF	107 D180M4
35	5100	42.33	46300	1.45		
40	4460	37.00	45700	1.60		
45	3940	32.69	45100	1.85	K	107 D180M4
47	3770	31.28	44900	1.80	KF	107 D180M4
51	3500	29.00	44400	2.1	KA	107 D180M4
56	3170	26.32	43800	2.3	KAF	107 D180M4
65	2730	22.62	42700	2.6		
74	2380	19.74	41700	3.0		
88	2020	16.75	40400	3.5		
35	5050	41.87	25100	0.85	K	97 D180M4
48	3720	30.82	26000	1.15	KF	97 D180M4
53	3360	27.91	26000	1.30	KA	97 D180M4
59	2980	24.75	26000	1.45	KAF	97 D180M4
65	2700	22.37	25900	1.60	K	97 D180M4
77	2290	18.96	25700	1.90	KF	97 D180M4
88	2000	16.56	25300	2.2	KA	97 D180M4
106	1670	13.85	24800	2.6	KAF	97 D180M4
122	1450	11.99	24300	2.7		
59	3000	24.92	15600	0.85		
65	2700	22.41	15900	0.85		
75	2340	19.45	16200	1.00		
84	2100	17.42	16400	1.05	K	87 D180M4
101	1740	14.45	16500	1.20	KF	87 D180M4
117	1510	12.56	16400	1.30	KA	87 D180M4
131	1350	11.17	15400	1.10	KAF	87 D180M4
147	1210	10.00	15300	1.25		
177	1000	8.29	15100	1.40		
203	870	7.21	14900	1.50		

K37..~K107..



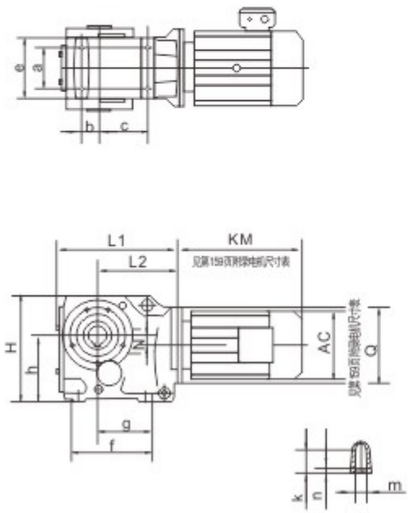
KA37B..~KA107B..

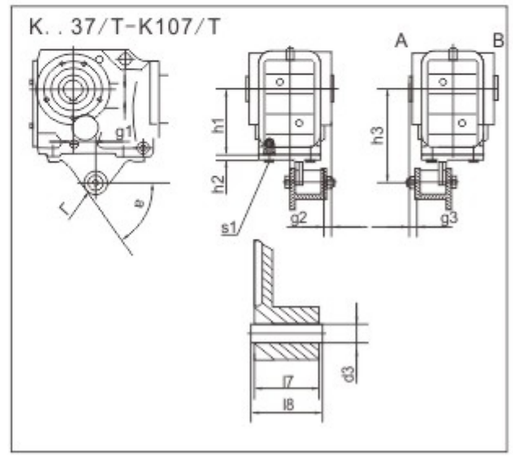


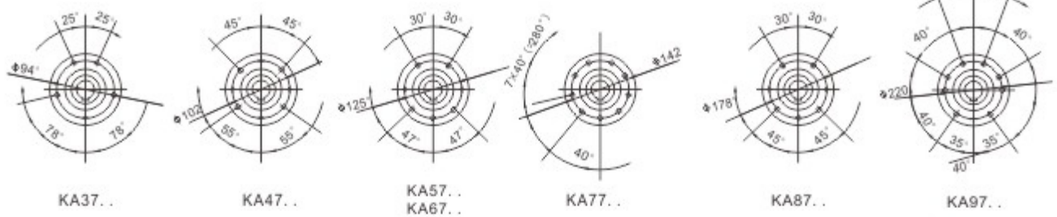
型号 size	a b c	e1 e2 f	g1 g2 g3	h1 h2	j	k	m n	轴伸尺寸 Shaft dimension				
								d	l	l1 l2	S	t u
K37.. KA37B..	115 110 100	150 143 120	32 28 60	100-0.5 63-0.5	16	11	37 38	25k6	50	5 40	M10	28 8
K47.. KA47B..	130 130 120	170 162 145	37 35 75	112-0.5 71-0.5	18	11	37 32	30k6	60	3.5 50	M10	33 8
K57.. KA57B..	150 130 130	190 172 157	45 30 88	132-0.5 80-0.5	21	13.5	43 30	35k6	70	7 56	M12	38 10
K67.. KA67B..	160 120 140	203 170 170	45 30 101	140-0.5 90-0.5	24	13.5	43 45	40k6	80	5 70	M16	43 12
K77.. KA77B..	200 150 165	263 208 200	55 40 123.5	180-0.5 112-0.5	27	17.5	55 55	50k6	100	10 80	M16	53.5 14
K87.. KA87B..	233 180 180	305 260 230	70 55 150	212-0.5 132-0.5	32	22	67 75	60m6	120	5 110	M20	64 18
K97.. KA97B..	295 240 240	372 294 290	75 75 171	265-1 160-0.5	36	26	82 60	70m6	140	7.5 125	M20	74.5 20
K107.. KA107B..	360 280 270	448 380 340	95 95 212	315-1 200-0.5	40	33	98 100	90m6	170	5 160	M24	95 25

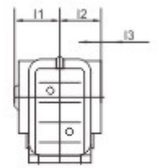
型号 size	空心轴尺寸 Hollow shaft dimention							H	L1 L2	L3	N	Q
	d1	d2	l3 l4	l5 l6	l7 l8	s1	t1 u1					
K37.. KA37B..	–	–	–	–	–	–	–	165	110 60	139	8.5	120
K47.. KA47B..	35H7	50	78 75	15 3	22 132	M12×30	38.3 10	185	135 72	166	7.2	160
K57.. KA57B..	40H7	55	86 83	18 3	29 142	M16×40	43.3 12	217	153 80	173	13.1	160
K67.. KA67B..	40H7	55	93 90	20 3.5	29 156	M16×40	43.3 12	228	171 86.5	179	20	160
K77.. KA77B..	50H7	70	108 105	22.5 4	32 183	M16×45	53.8 14	288	206 101	202	31.3	200
K87.. KA87B..	60H7	85	123 120	30 4	36 210	M20×50	64.4 18	340	240 116	257	25.9	250
K97.. KA97B..	70H7	95	153 150	30 4	34 270	M20×50	74.9 20	417	291 146	277	32.3	300
K107.. KA107B..	90H7	118	178 175	40 2.5	40 313	M24×60	95.4 25	503	347 175	341	52	350

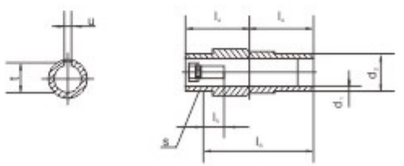
KA37..~KA107





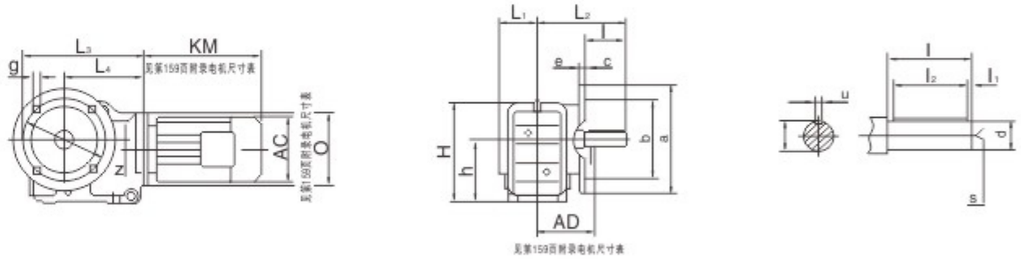




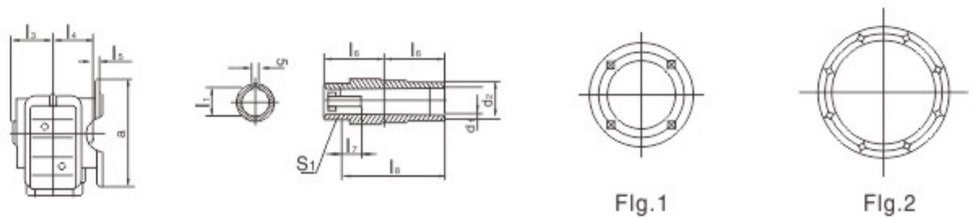


型号 size	a b c	e f g	h	k m n	p q	空心轴尺寸 Hollow shaft dimenson				扭矩臂尺寸 Torque arm form				H L1 L2	N Q
						d_1 d_2	l_1 l_2 l_3	l_4 l_5 l_6	s t u	g_1 g_2 g_3	h_1 h_2 h_3	d_3 l_7 l_8	r s_1 x		
KA 37.. K..37/T..	60 35 82	100 147 97	100-0.5	20 M10 4	12 M8	30^{H7} 45	63 60 2.5	60 17 105	M10 33.3 8	23.5 20 20	$100_{-0.5}$ 10 $140^{+0.2}_{+0.7}$	10.4 ± 0.1 31 $360_{-0.3}$	22.5 M10×25 60°	164 210 139	8.5 120
KA 47.. K..47/T..	70 40 100	110 170 115	112-0.5	20 M10 4	12 M8	35^{H7} 50	78 75 3	75 22 132	M12 38.3 10	30 20 20	$112_{-0.5}$ 12 $160^{+0.2}_{+0.7}$	10.4 ± 0.1 31 $360_{-0.3}$	22.5 M10×30 55°	185 243 166	7.2 160
KA 57.. K..57/T..	88 47 105	122 182 120	132-0.5	25 M12 5	20 M12	40^{H7} 55	86 83 3	83 29 142	M16 43.3 12	40 18 18	$132_{-0.5}$ 13 $192^{+0.2}_{+0.7}$	16.4 ± 0.08 54 $60_{-0.3}$	29 M12×35 55°	215 269 173	13.1 160
KA 67.. K..67/T..	88 42 110	130 182 125	140-0.5	25 M12 5	20 M12	40^{H7} 55	94 90 3.5	90 29 156	M16 43.3 12	45 25 25	$140_{-0.5}$ 13 $200^{+0.2}_{+0.7}$	16.4 ± 0.08 54 $60_{-0.3}$	29 M12×35 55°	226 274 179	20 160
KA 77.. K..77/T..	102 48 122	154 204 139	180-0.5	154 204 139	20 M12	50^{H7} 70	108 105 4	105 32 186	M16 53.8 14	52.5 25 25	$180_{-0.5}$ 14 $250^{+0.2}_{+0.7}$	16.4 ± 0.08 54 $60_{-0.3}$	29 M16×40 60°	286 312 202	31.3 200
KA 87.. K..87/T..	118 65 160	170 280 190	212-0.5	32 M16 6	26 M16	60^{H7} 80	170 120 4	170 120 4	M20 64.4 18	60 30 30	$212_{-0.5}$ 16 $300^{+0.2}_{+0.7}$	25 ± 0.08 72 $80_{-0.3}$	41 M16×45 60°	338 390 257	25.9 250
KA 97.. K..97/T..	160 83 165	280 298 190	265-1	36 M20 6	26 M16	70^{H7} 95	150 150 4	150 34 270	M20 74.9 20	70 40 40	265_{-1} 17 $350^{+0.2}_{+1.2}$	25 ± 0.08 92 $100_{-0.3}$	41 M20×50 50°	414 435 277	32.3 300
KA 107.. K..107/T..	190 100 190	266 370 230	315-1	44 M24 8	- -	90^{H7} 118	178 175 2.5	175 40 313	M24 95.4 25	74 45 45	315_{-1} 20 $450^{+0.5}_{+1.5}$	25 ± 0.08 92 $100_{-0.3}$	41 M24×60 55°	500 537 341	52 350

KF37..~KF107..



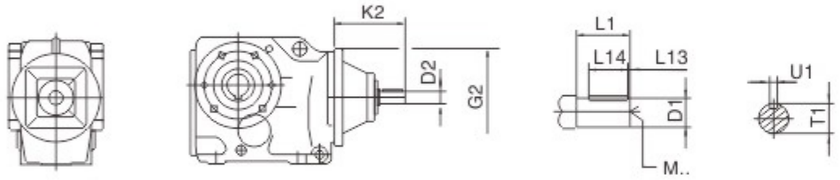
KAF37..~KAF107..



Flg.1 Flg.2

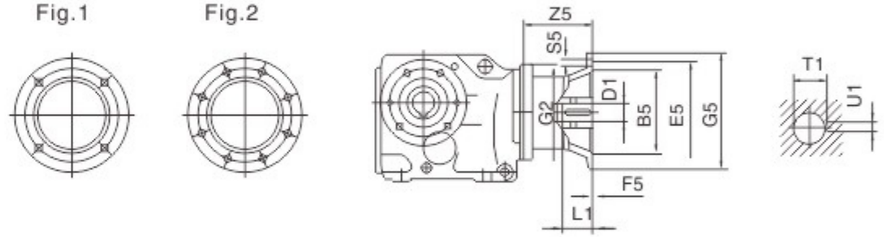
法兰型式
Flange form

型号 size	法兰型式 Flange form	a b	c e	f g h	轴伸尺寸 Shaft dimension d l	l_1 l_2	S	t u	空心轴尺寸Hollow shaft dimenson d_1 d_2	l_2 l_4 l_5	l_6 l_7 l_8	S_1	t_1 u_1	H	l_1 l_2 l_3	l_4 N Q
KF37.. KAF37..	Flg.1	160 110j6	3.5 10	130 9 100	25k6 50	5 40	M10	28 8	30^{H7} 45	63 60 24	60 17 105	M10×25	33.3 8	164	57.5. 134 210	139 8.5 120
KF47.. KAF47..	Flg.1	200 130j6	3.5 10	165 11 112	30k 60	3.5 50	M10	33 8	35^{H7} 52	78 75 25	75 22 132	M12×30	38.3 10	185	72 160 243	166 7.2 160
KF57.. KAF57..	Flg.1	250 180j6	4 15	215 13.5 132	35k6 70	7 56	M12	38 10	40^{H7} 55	86 83 23.5	83 29 142	M16×40	43.3 12	215	80 177 269	173 13.1 160
KF67.. KAF67..	Flg.1	250 180j6	4 15	215 13.5 140	40k6 80	5 70	M16	43 12	40^{H7} 55	94 90 23	90 29 156	M16×40	43.3 12	226	86.5 193 274	179 20 160
KF77.. KAF77..	Flg.1	300 230j6	4 16	265 13.5 180	50k6 100	80 10	M16	53.5 14	50^{H7} 70	108 105 37	105 32 183	M16×45	53.8 14	286	101 242 312	202 31.3 200
KF87.. KAF87..	Flg.1	350 250h6	5 18	300 17.5 212	60m6 120	5 110	M20	64 18	60^{H7} 85	123 120 30	120 36 210	M20×50	64.4 18	338	138 270 390	257 25.9 250
KF97.. KAF97..	Flg.2	450 350h6	5 22	400 17.5 265	70m6 140	7.5 125	M20	74.5 20	70^{H7} 95	153 150 41.5	150 34 270	M20×50	74.9 20	414	171 332 435	277 32.3 300
KF107.. KAF107..	Flg.2	450 350h6	5 25	400 17.5 315	90m6 170	5 160	M24	95 25	90^{H7} 118	178 175 41	175 40 313	M24×60	95.4 25	500	175 386 537	341 52 350



		G2	K2	D1	L1	L13	L14	T1	U1	M
K..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
K..47 K..57 K..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
K..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
K..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
K..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16
K..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
	AD6		321	48	110	10	80	51.5	14	M16

Fig.1 Fig.2



			B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
K..37	Am63	Fig1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71"	1	110	130			160			14	30	16.3	5
	AM80"		130	165	4.5		200	M10	106	19	40	21.8	6
	AM90"									24	50	27.3	8
K..47 K..57 K..67	Am63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	Am71		110	130			160			14	30	16.3	5
	Am80		130	165	4.5		200	M10	99	19	40	21.8	6
	Am90									24	50	27.3	8
	AM100"		180	215	5		250	M12	134	28	60	31.3	8
	AM112"												
K..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	Am71		110	130			160			14	30	16.3	5
	Am80		130	165	4.5		200	M10	92	19	40	21.8	6
	Am90									24	50	27.3	8
	AM100"		180	215	5		250	M12	126	28	60	31.3	8
	AM112"												
	AM132S"		230	265	5		300		179	38	80	41.3	10
	AM132M"												
	AM132ML"AM8												
K..87	Am80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6
	Am90									24	50	27.3	8
	Am100		180	215	5		250	M12	121	28	60	31.3	8
	Am112												
	AM132S		230	265			300		172	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160"		250	300	6		350	M16	232	42	110	45.3	12
	AM180"									48		51.8	14
K..97	Am100	1	180	215	5	300	250	M12	116	28	60	31.3	8
	Am112												
	AM132S		230	265			300		169	38	80	41.3	10
	AM132M												
	AM132ML												
	Am160		250	300	6		350	M16	227	42	110	45.3	12
	Am180									48		51.8	14

1).如果安装右K系列，脚底安装方式的减速机上,请检查尺寸G5/2,它可能已突出安装平面。

Fig.1

Fig.2

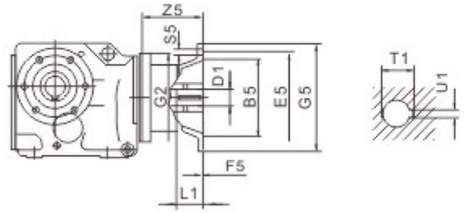
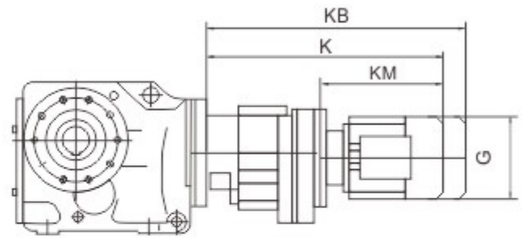


		Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
K..107	AM100	1	180	215	5	350	250	M12	110	28	60	31.3	8
	AM112												
	AM132S		230	265			300		163	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350		221	42	110	45.3	12
	AM180									48		51.8	14



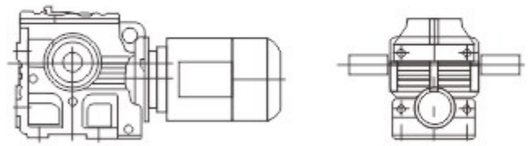
		G	K	KB	KM
K..47R37 K..67R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
K..57R37	D63..	155	410	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
	D90..	210	451	536	286
K..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
K..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	210	495	559	279
	D90..	210	495	580	279
	D100M	210	545	630	329
	D100L	210	565	650	349
K..97R57	D63..	155	440	497	229
	D71D	155	440	504	229
	D80..	155	490	554	279
	D90..	210	490	575	279
	D100M	210	540	625	329
	D100L	210	560	645	349
	D112M	240	575	655	364

		G	K	KB	KM
K..107R77	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
	D90..	210	518	603	271
	D100M	210	568	653	321
	D100L	210	588	673	341
	D112M	240	602	682	355
	D132S	240	647	727	400
	D132M	285	699	811	452
	D132ML	285	719	831	472
	D160M	330	749	861	512

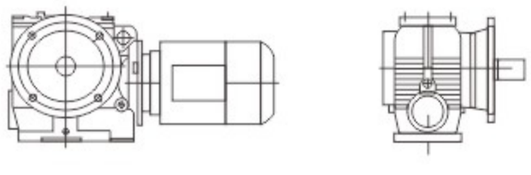
8.S系列斜齿轮 — 蜗轮蜗杆减速机
S Helical – Worm Geared Motor

8.1 设计方案
8.1 Versions of geared motors

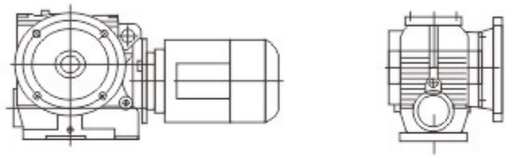
斜齿轮 – 蜗轮蜗杆齿轮减速电机有以下设计方案:
The following types of helical – worm gearmotor can be supplied:



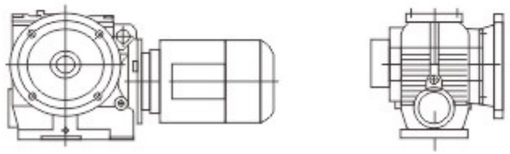
S..D..
底脚安装斜齿轮–蜗轮蜗杆齿轮减速电机
Foot – mounted helical – worm gearmotor



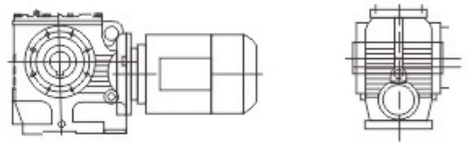
SF..D..
法兰安装斜齿轮–蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor flange – mounted version.



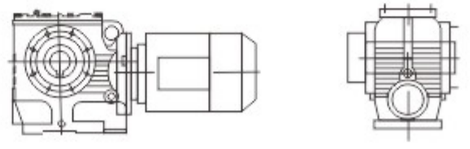
SAF..D..
B5法兰空心轴安装斜齿轮–蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B5 flange – mounted version with hollow shaft.



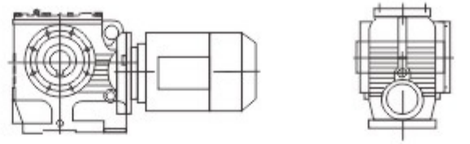
SHF..D..
B5法兰空心轴锁紧盘安装斜齿轮–蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B5 flange – mounted version with hollow shaft and shrink disk.



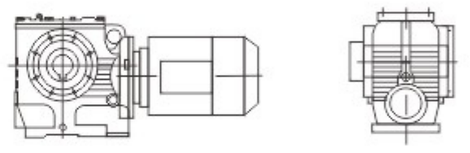
SA..D..
空心轴锁紧盘安装斜齿轮–蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor with hollow shaft.



SH..D..
空心轴锁紧盘安装斜齿轮 – 蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor with hollow shaft and shrink disk.



SAZ..D..
B14法兰空心轴安装斜齿轮 – 蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B14 flange – mounted version with hollow shaft.



SHZ..D..
B14法兰空心轴锁紧盘安装斜齿轮 – 蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B14 flange – mounted version with hollow shaft and shrink disk.

8.2 可行的组合方式
8.2 Type of Combination

以下是斜齿轮蜗杆减速与交流 (带制动) 电机的组合列表。表中给出了每种组合的速比范围。
The below is combination table between gear box and electro motor in each list the ratio range.

减速器型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
S/SF/SA/SAF37	2	6.80–18.24 19.89–51.30 55.93–157.43	6.80–15.53 19.13 22.50–43.68 53.83 63.33–122.94	6.80–13.39 19.13 22.50–37.66 53.83 63.33–106.00				
S/SF/SA/SAF47	2	7.28–17.62 20.33–54.59 63.80–201.00	7.28–17.62 20.33–54.59 67.20 71.75–158.12	7.28–19.54 23.20–47.32 56.61 67.20 71.75–137.05	7.28–14.24 19.54 23.20–38.23 56.61 67.20 71.75–110.73			
S/SF/SA/SAF57	2	7.28–17.62 20.33–54.59 63.80–201.00	7.28–17.62 20.33–54.59 67.20 71.75–158.12	7.28–19.54 23.20–47.32 56.61 67.20 71.75–137.05	7.28–14.24 19.54 23.20–38.23 56.61 67.20 71.75–110.73			
S/SF/SA/SAF67	2	11.03–17.28 20.37–23.22 24.44 29.63–54.70 62.35–65.63 75.06 85.83–217.41	8.69–17.28 20.37–23.22 24.44–54.70 62.35–65.63 75.06 85.83–217.41	7.56–17.28 20.37–23.22 24.44–54.70 62.35–65.63 78.00–190.1	7.56–17.28 20.37 23.33 26.93–54.70 67.57 78.00–158.45	7.56–20.30 23.33 26.93–46.40 58.80 67.57 78.00–134.40	7.56–13.73 20.30 23.33 26.93–36.85 58.80 67.57 78.00–106.75	7.56–13.73 20.30 23.33 26.93–36.85 58.80 67.57 78.00–106.75
S/SF/SA/SAF77	2	15.28–18.42 20.99 22.89 35.94–53.87 63.03 71.33–75.09 107.83–256.47	12.07–18.42 20.99 22.89 28.41–53.87 63.03 71.33–75.09 85.22–256.47	8.06–18.42 20.99 22.89–75.09 85.22–225.26	8.06–18.42 20.99 22.89–66.67 75.20–189.09	8.06–18.42 20.99 22.89–56.92 66.67 75.20–161.60	8.06–18.97 22.22 25.07–43.33 56.92 66.67 75.20–130.00	8.06–18.97 22.22 25.07–43.33 56.92 66.67 75.20–130.00
S/SF/SA/SAF87	2		17.49–19.70 21.43 25.50 39.10–57.00 64.27–70.43 81.76 91.20	12.21–19.70 21.43 25.50–57.00 64.27–70.43 81.76–288.00	9.07–19.70 21.43 25.50–57.00 64.27–86.15 99.26–258.18	9.07–19.70 21.43 25.50–57.00 64.27–77.14 86.15 99.26–222.40	7.88–19.70 21.43 25.50–64.00 77.14 86.15 99.26–180.00	7.88–19.70 21.43 25.50–64.00 77.14 86.15 99.26–180.00
S/SF/SA/SAF97	2		23.59 26.39 49.87–60.59 71.43 80.85 161.74–286.40	17.05–23.59 26.39 36.05–60.59 71.43 80.85 116.92–286.40	13.07–23.859 26.39 32.60–60.59 71.43 80.85–286.40	13.07–23.59 26.39 32.60–60.59 71.43 80.85–286.40	8.26–23.59 26.39 32.60–78.26 89.60–231.67	8.26–23.59 26.39 32.60–78.26 89.60–231.67

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180			
S/SF/SA/SAF77	2	8.06–13.76 18.97 22.22 25.07–32.38 56.92 66.67 75.20–97.14	8.06–13.76 18.97 22.22 25.07–32.38 56.92 66.67 75.20–97.14					
S/SF/SA/SAF87	2	7.88–20.27 24.43 27.28–44.03 64.00 77.14 86.15 99.26–139.05	7.88–20.27 24.43 27.28–44.03 64.00 77.14 86.15 99.26–139.05	7.88–20.27 24.43 27.28–44.03 64.00 77.14 86.15 99.26–139.05	7.88–15.64 20.27 24.43 27.28–34.96 64.00 77.14 86.15 99.26–110.40			
S/SF/SA/SAF97	2	8.26–23.59 26.39 32.60–55.79 65.45 78.26 89.60–180.95	8.26–23.59 26.39 32.60–55.79 65.45 78.26 89.60–180.95	8.26–23.59 26.39 32.60–55.79 65.45 78.26 89.60–180.95	8.26–21.23 24.13 27.63–44.89 65.45 78.26 89.60–145.60			

8.3速比与最大扭矩
8.3 Ratio and Max Torgue

S37–57 n_a=1400 r/min

S37				90Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
157.43	89	92	3000	
144.40	97	92	3000	
122.94	11	91	3000	
106.00	13	88	3000	
98.80	14	87	3000	AD1
86.36	16	86	3000	
80.96	17	85	3000	
71.44	20	84	3000	
63.33	22	82	3000	
55.93	25	81	3000	
53.83	26	80	3000	AD2
51.30	27	81	3000	
43.68	32	81	3000	
37.66	37	79	3000	
35.10	40	78	3000	
30.68	46	76	2870	AD1
28.76	49	75	2800	
25.38	55	74	2660	
22.50	62	73	2530	
19.89	70	52	2470	
19.13	73	71	2380	AD2
18.24	77	52	2380	AD1
15.53	90	50	2240	
13.39	105	49	2110	
12.48	112	48	2060	
10.91	128	48	1940	
10.23	137	47	1900	AD2
9.02	155	46	1810	
8.00	175	45	1730	
6.80	206	43	1630	

S47				170Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
201.00	7.0	170	5340	
184.80	7.6	170	5340	
158.12	8.9	170	5340	
137.05	10	168	5350	
128.10	11	168	5350	
110.73	13	168	5350	AD1
94.08	15	168	5350	
84.00	17	167	5360	
71.75	20	167	5360	
69.39	20	155	5370	
67.20	21	167	5360	
63.80	22	155	5370	
56.61	25	165	5320	AD2
54.59	26	155	5150	
47.32	30	155	4850	AD1
44.22	32	155	4710	
38.23	37	155	4430	
32.48	43	155	4120	
29.00	48	155	3920	
24.77	57	155	3650	
23.20	60	152	3570	
20.33	69	110	3370	
19.54	72	144	3370	
17.62	79	110	3160	AD2
16.47	85	110	3060	
14.24	98	110	2850	
12.10	116	109	2650	
10.80	130	109	2500	
9.23	152	109	2310	
8.64	162	109	2230	
7.28	192	103	2110	

S57				300Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
201.00	7.0	295	7130	
184.80	7.6	295	7130	
158.12	8.9	295	7130	
137.05	10	295	7130	AD1
128.10	11	295	7130	
110.73	13	295	7130	
94.08	15	295	7130	
84.00	17	295	7130	
71.75	20	290	7170	
69.39	20	245	7520	
67.20	21	285	7220	
63.80	22	245	7520	
56.61	25	265	7370	
54.59	26	245	7520	
47.32	30	245	7520	
44.22	32	245	7520	
38.23	37	245	7320	
32.48	43	245	6840	
29.00	48	245	6520	
24.77	57	245	6100	AD2
23.20	60	245	5930	
20.33	69	168	5690	
19.54	72	215	5720	
17.62	79	168	5350	
16.47	85	168	5200	
14.24	98	169	4860	
12.10	116	169	4520	
10.80	130	169	4290	
9.23	152	169	3990	
8.64	162	166	3900	
7.28	192	146	3790	

S 67–87 n_a=1400 r/min

S67				520Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
217.41	6.4	520	8680	
190.11	7.4	520	8680	
180.60	7.8	520	8680	
158.45	8.8	520	8680	
134.40	10	520	8680	
121.33	12	520	8680	
106.75	13	520	8680	AD2
100.80	14	520	8680	
85.83	16	520	8680	
78.00	18	520	8680	
75.06	19	480	9020	
67.57	21	520	8680	
65.63	21	480	9020	
62.35	22	480	9020	
58.80	24	500	8850	AD3
54.70	26	480	8670	
46.40	30	480	8680	
41.89	33	480	7690	
36.85	38	480	7250	
34.80	40	480	7060	
29.63	47	480	6540	AD3
26.93	52	480	6240	
24.44	57	340	6040	
23.33	60	480	5810	
23.22	60	340	5890	
20.37	69	340	5520	
20.30	69	425	5760	AD3
17.28	81	340	5080	
15.60	90	340	4820	AD2
13.73	102	340	4510	
12.96	108	340	4310	
11.03	127	340	3660	
10.03	140	340	3290	AD3
8.69	161	335	2860	
7.56	185	295	3220	

S77				1270Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
256.47	5.5	1270	11800	
225.26	6.2	1270	11800	
214.00	6.5	1270	11800	
189.09	7.4	1270	11800	
161.60	8.7	1260	11900	
148.15	9.4	1240	12000	
130.00	11	1210	12300	
123.20	11	1200	12400	
107.83	13	1170	12600	
94.14	14	1140	12900	AD2
85.22	16	1100	13200	
75.20	19	1070	13400	
75.09	19	1100	13200	
71.33	20	1100	13200	
66.67	21	1040	13600	
63.03	22	1100	12800	
56.82	25	990	13300	
53.87	26	1100	11900	
49.38	28	1100	11500	
43.33	32	1100	10800	
41.07	34	1100	10500	
35.94	39	1100	9850	
32.38	43	1090	9400	
28.41	49	1050	8970	
25.07	56	1020	8550	
22.89	61	705	7440	
22.22	63	980	8220	
20.99	67	705	6820	AD3
18.97	74	930	7800	
18.42	76	705	5920	
17.45	80	710	5470	
15.28	92	710	4610	
13.76	102	710	3960	
12.07	116	720	3000	
10.65	131	720	2280	
9.44	148	725	1040	AD4
8.06	174	680	1160	

S87				2280Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
288.00	4.9	2280	27900	
258.18	5.4	2280	27900	
222.40	6.3	2280	27900	
202.96	6.9	2260	28000	
180.00	7.8	2210	28100	
151.30	9.3	2150	28000	
139.05	10	2100	28300	
123.48	11	2060	28300	AD2
110.40	13	2000	28400	
99.26	14	1960	28500	
91.20	15	1510	29100	
86.15	16	1880	28600	
81.76	17	1600	29000	
77.14	18	1820	28700	
70.43	20	1600	29000	
64.27	22	1600	29000	
64.00	22	1700	28900	AD3
57.00	25	1600	29000	AD2
47.91	29	1600	29000	
44.03	32	1600	29000	
39.10	36	1600	28200	AD3
34.96	40	1600	27100	
31.43	45	1600	26000	
27.28	51	1600	24700	
25.50	55	1240	23400	
24.43	57	1600	23700	
21.43	65	1240	21800	
20.27	69	1600	22100	
19.70	71	1240	21100	
17.49	80	1240	20200	AD4
15.64	90	1240	19300	
14.06	100	1240	18500	
12.21	115	1240	17400	
10.93	128	1240	16600	
9.07	154	1140	15900	
7.88	178	1010	15700	

S97 S67/77R37 n_a=1400 r/min

S97				4000Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
286.40	4.9	4000	36300	
262.22	5.3	4000	36300	
231.67	6.0	4000	36300	
196.52	7.1	4000	36300	
180.95	7.7	3920	36500	
161.74	8.7	3840	36600	
145.60	9.6	3730	36800	AD3
131.85	11	3650	37000	
116.92	12	3510	37200	
105.71	13	3440	37300	
89.60	16	3240	37600	
80.85	17	3230	37600	
78.26	18	3080	37900	
71.43	20	3300	37500	AD4
65.56	21	2900	38100	AD3
60.59	23	3300	37500	
55.79	25	3300	37100	
49.87	28	3300	35600	
44.89	31	3300	34100	AD4
40.65	34	3300	32800	
36.05	39	3300	31300	
32.60	43	3200	30400	
27.63	51	3010	29000	Ad5
26.39	53	2600	26100	AD4
24.13	58	2870	28000	
23.59	59	2600	24900	
21.23	66	2600	23700	
19.23	73	2600	22700	
17.05	82	2570	21100	AD5
15.43	91	2470	20800	
13.07	107	2330	20100	
11.41	123	2210	19500	
9.55	147	2040	18800	
8.26	168	1770	18800	

S67R37				570Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	
21362	0.07	570	8190	
19594	0.07	570	8190	
18120	0.08	570	8190	
16682	0.08	570	8190	
14383	0.10	570	8190	
12774	0.11	570	8190	
11013	0.13	570	8190	
9694	0.14	570	8190	
8529	0.16	570	8190	
7455	0.19	570	8190	
6531	0.21	570	8190	
5759	0.24	570	8190	
4965	0.28	570	8190	
4410	0.32	570	8190	
3880	0.36	570	8190	
3432	0.41	570	8190	
2944	0.48	570	8190	
2630	0.53	570	8190	
2279	0.61	570	8190	
2014	0.70	570	8190	
1772	0.79	570	8190	
1559	0.90	570	8190	
1363	1.0	570	8190	
1194	1.2	570	8190	
1045	1.3	570	8190	
914	1.5	570	8190	
809	1.7	570	8190	
712	2.0	570	8190	
615	2.3	570	8190	
543	2.6	570	8190	
469	3.0	570	8190	
424	3.3	570	8190	
365	3.8	570	8190	
319	4.4	570	8190	
281	5.0	570	8190	
246	5.7	570	8190	
221	6.3	570	8190	
198	7.1	570	8190	
168	8.3	570	8190	
156	9.0	570	8190	

S77R37				1270Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]	
25493	0.05	1270	11700	
21787	0.06	1270	11700	
19907	0.07	1270	11700	
17013	0.08	1270	11700	
14668	0.10	1270	11700	
13110	0.11	1270	11700	
11569	0.12	1270	11700	
9887	0.14	1270	11700	
8817	0.16	1270	11700	
7735	0.18	1270	11700	
6735	0.21	1270	11700	
5943	0.24	1270	11700	
5214	0.27	1270	11700	
4618	0.30	1270	11700	
3992	0.35	1270	11700	
3540	0.40	1270	11700	
3098	0.45	1270	11700	
2753	0.51	1240	12000	
2374	0.59	1240	12000	
2083	0.67	1240	12000	
1813	0.77	1240	12000	
1745	0.80	1240	12000	
1600	0.88	1240	12000	
1404	1.0	1240	12000	
1245	1.1	1240	12000	
1100	1.3	1240	12000	
954	1.5	1240	12000	
837	1.7	1240	12000	
714	2.0	1240	12000	
637	2.2	1240	12000	
574	2.4	1240	12000	
499	2.8	1240	12000	
438	3.2	1240	12000	
389	3.6	1240	12000	
327	4.3	1240	12000	
289	4.8	1240	12000	
250	5.6	1240	12000	
219	6.4	1240	12000	

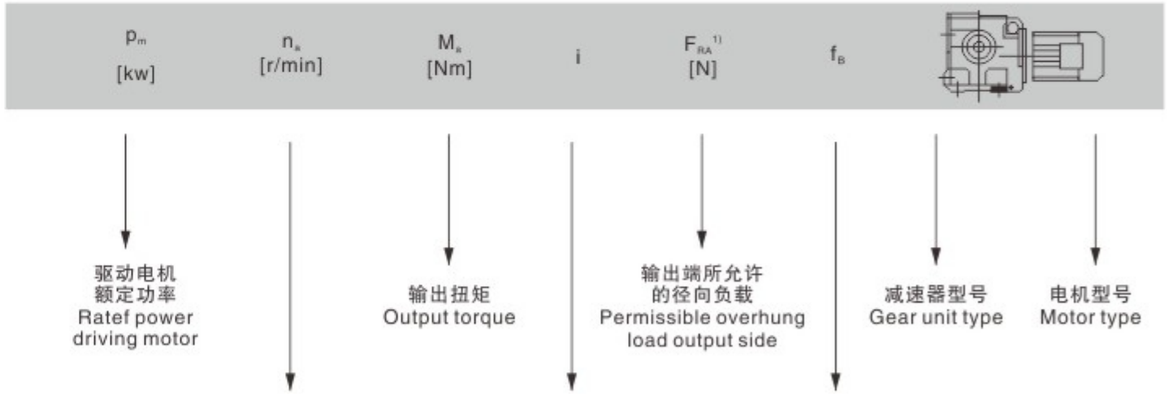
S 87/97R57 n_a=1400 r/min

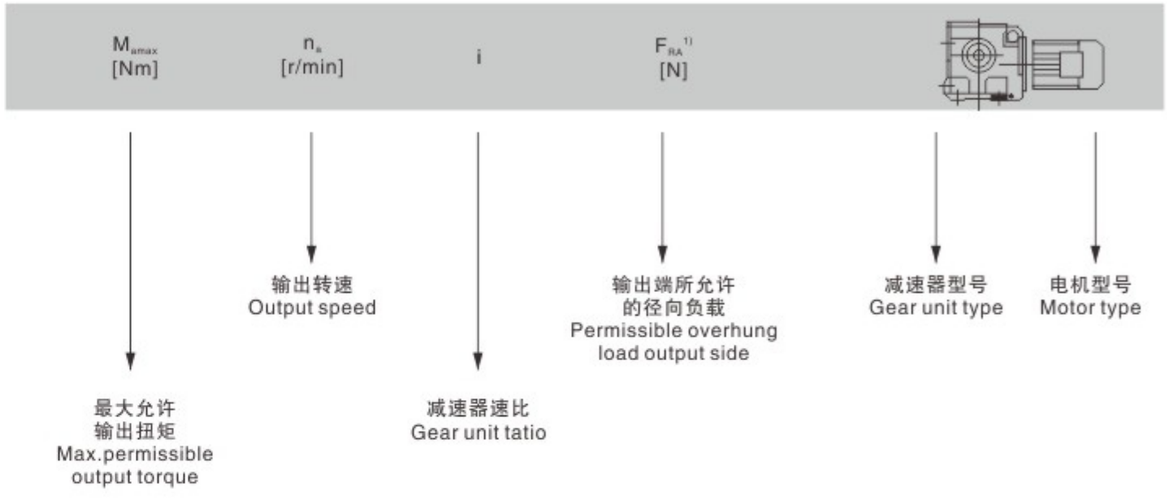
S87R57			2500Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
25987	0.05	2500	27500
23940	0.06	2500	27500
20568	0.07	2500	27500
18265	0.08	2500	27500
16774	0.08	2500	27500
14820	0.09	2500	27500
13160	0.11	2500	27500
11200	0.12	2500	27500
9904	0.14	2500	27500
8549	0.16	2500	27500
7643	0.18	2500	27500
6706	0.21	2500	27500
5875	0.24	2500	27500
5187	0.27	2500	27500
4606	0.30	2500	27500
3872	0.36	2500	27500
3475	0.40	2500	27500
2905	0.48	2500	27500
2586	0.54	2500	27500
2335	0.60	2500	27500
2054	0.68	2500	27500
1824	0.77	2500	27500
1631	0.86	2500	27500
1332	1.1	2500	27500
1191	1.2	2500	27500
1032	1.4	2500	27500
930	1.5	2500	27500
831	1.7	2500	27500
719	1.9	2500	27500
624	2.2	2500	27500
558	2.5	2500	27500
485	2.9	2500	27500
435	3.2	2450	27600
378	3.7	2450	27600
323	4.3	2400	27700
281	5.0	2400	27700
255	5.5	1980	28400
222	6.3	1980	28400
205	6.8	1980	28400

S97R57			4200Nm
i	n_a [r/min]	M_{amax} [Nm]	F_{Ra} [N]
33818	0.04	4200	34200
31154	0.04	4200	34200
27847	0.05	4200	34200
24641	0.06	4200	34200
21537	0.07	4200	34200
18749	0.07	4200	34200
16233	0.09	4200	34200
14576	0.10	4200	34200
12752	0.11	4200	34200
11267	0.12	4200	34200
10078	0.14	4200	34200
8608	0.16	4200	34200
7554	0.19	4200	34200
6640	0.21	4200	30600
5780	0.24	4200	30600
4937	0.28	4200	30600
4444	0.32	4200	30600
4017	0.35	4200	30600
3453	0.41	4200	30600
3108	0.45	4200	30600
2654	0.53	4200	30600
2329	0.60	4200	30600
2081	0.67	4200	30600
1860	0.75	4200	30600
1574	0.89	4200	30600
1394	1.0	4200	30600
1223	1.1	4200	30600
1070	1.3	4200	30600
928	1.5	4200	30600
824	1.7	4200	30600
714	2.0	4200	34400
626	2.2	4200	30600
536	2.6	4200	30600
464	2.9	4200	30700
420	3.3	4200	30700
376	3.7	4200	30800
327	4.3	4200	30800
287	4.9	4200	30900
252	5.6	4200	31000
219	6.4	4200	31000
205	6.8	4200	31000

8.4 选型表注释
8.4 Selection table

选型表的结构
Selection table geared motors





图例 Cuttine
※也可以用于EExe电机。 ※EEXE motor is optional.
1)实心轴底脚安装减速机的径向负荷
1) Overhung load specified for foot-mounted gear unit with soild shaft
注意：Notice:
对于特殊低输出转速驱动（多级减速电机），电机功率必须与减速机的最大允许输出扭矩相对应。
In drives for particularly low output speeds(multi-stage geared motors), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N · m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12kW						
0.12	4610	11267	28700	0.90	S	97 R57 D63S4
0.14	4210	10078	32800	1.00	SF	97 R57 D63S4
0.16	3500	8608	34200	1.20	SA	97 R57 D63S4
0.18	3090	7554	34800	1.35	SAF	97 R57 D63S4
0.18	3120	7643	14400	0.80		
0.21	2630	6706	27200	0.95	S	87 R57 D63S4
0.23	2330	5875	27800	1.05	SF	87 R57 D63S4
0.27	1960	5187	28500	1.25	SA	87 R57 D63S4
0.30	1740	4606	28800	1.45	SAF	87 R57 D63S4
0.36	1450	3872	29200	1.70		
0.39	1340	3540	9700	0.95		
0.45	1170	3098	12500	1.10		
0.58	1280	2374	11600	0.95	S	77 R37 D63S4
0.66	1130	2083	12900	1.10	SF	77 R37 D63S4
0.76	960	1813	14100	1.30	SA	77 R37 D63S4
0.79	910	1745	14300	1.35	SAF	77 R37 D63S4
0.86	840	1600	14700	1.50		
0.98	735	1404	15200	1.70		
1.1	645	1245	15600	1.90		
1.0	665	1363	4800	0.85	S	67 R37 D63S4
1.2	575	1194	8160	1.00	SF	67 R37 D63S4
1.3	515	1045	8720	1.10	SA	67 R37 D63S4
1.5	445	914	9280	1.30	SAF	67 R37 D63S4
1.7	400	809	9580	1.40		
1.9	355	712	9860	1.60		
2.2	295	615	10100	1.95	S	67 R37 D63S4
2.5	265	543	10300	2.2	SF	67 R37 D63S4
2.9	220	469	10400	2.6	SA	67 R37 D63S4
3.3	197	424	10500	2.9	SAF	67 R37 D63S4
3.8	180	365	10500	3.2		
4.5	143	201.00	8050	2.1	S	57 D63M6
4.9	133	184.80	8090	2.2	SF	57 D63M6
5.7	116	158.12	8150	2.5	SA	57 D63M6
6.6	103	137.05	8180	2.9	SAF	57 D63M6
4.5	138	201.00	5490	1.30		
4.9	129	184.80	5540	1.40	S	47 D63M6
5.7	112	158.12	5610	1.55	SF	47 D63M6
6.6	99	137.05	5660	1.75	SA	47 D63M6
7.0	93	128.10	5680	1.85	SAF	47 D63M6
6.9	95	201.00	5680	1.80		
7.5	89	184.80	5700	1.90	S	47 D63S4
8.7	77	158.12	5740	2.2	SF	47 D63S4
10	68	137.05	5780	2.5	SA	47 D63S4
11	64	128.10	5790	2.6	SAF	47 D63S4
12	57	110.73	5810	3.0		
5.7	107	157.43	3000	0.85		
6.2	99	144.40	3000	0.95	S	37 D63M6
7.3	86	122.94	3000	1.05	SF	37 D63M6
8.5	76	106.00	3000	1.20	SA	37 D63M6
9.1	71	98.80	3000	1.30	SAF	37 D63M6
10	64	86.36	3000	1.45		
8.8	74	157.43	3000	1.25		
9.6	68	144.40	3000	1.35	S	37 D63S4
11	60	122.94	3000	1.55	SF	37 D63S4
13	52	106.00	3000	1.70	SA	37 D63S4
14	49	98.80	3000	1.75	SAF	37 D63S4
16	44	86.36	3000	1.95		
17	41	80.96	3000	2.1		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N · m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.12kW						
19	37	71.44	3000	2.3		
22	33	63.33	3000	2.5		
25	35	55.93	3000	2.3		
27	33	51.30	3000	2.5		
32	28	43.68	3000	2.9		
37	25	37.66	3000	3.2	S	37 D63S4
39	23	35.10	3000	3.4	SF	37 D63S4
45	20	30.68	3000	3.7	SA	37 D63S4
48	19	28.76	3000	3.9	SAF	37 D63S4
54	17	25.38	3000	4.3		
61	15	22.50	3000	4.8		
69	14	19.89	3000	3.6		
76	13	18.24	3000	3.9		
89	11	15.53	2870	4.4		
0.18kW						
0.29	2970	4606	20900	0.85	S	87 R57 D63M4
0.34	2480	3872	27500	1.00	SF	87 R57 D63M4
					SA	87 R57 D63M4
					SAF	87 R57 D63M4
0.38	2350	3475	27800	1.05		
0.45	1970	2905	28500	1.25	S	87 R57 D63M4
0.51	1710	2586	28900	1.45	SF	87 R57 D63M4
0.57	1520	2335	29100	1.65	SA	87 R57 Y63M4
0.64	1320	2054	29400	1.90	SAF	87 R57 Y63M4
0.72	1170	1824	29500	2.1		
0.81	1050	1631	29600	2.4		
					S	77 R37 D63M4
0.94	1220	1404	12200	1.00	SF	77 R37 D63M4
1.1	1070	1245	13000	1.15	SA	77 R37 D63M4
					SAF	77 R37 D63M4
1.2	990	1100	13900	1.25		
1.4	850	954	14700	1.45	S	77 R37 D63M4
1.6	745	837	15200	1.65	SF	77 R37 D63M4
1.9	625	714	15600	2.0	SA	77 R37 D63M4
2.1	555	637	15900	2.2	SAF	77 R37 D63M4
2.3	500	574	16000	2.5		
1.6	660	809	5140	0.85		
1.9	580	712	8060	1.00	S	67 R37 D63M4
2.2	490	615	8920	1.15	SF	67 R37 D63M4
2.4	440	543	9330	1.30	SA	67 R37 D63M4
2.8	370	469	9780	1.55	SAF	67 R37 D63M4
3.1	335	424	9970	1.70		
3.6	295	365	10100	1.90		
4.0	255	217.41	10300	2.2	S	67 D63L6
4.6	225	190.11	10400	2.5	SF	67 D63L6
4.8	215	180.60	10400	2.6	SA	67 D63L6
					SAF	67 D63L6
4.3	220	201.00	7670	1.35	S	57 D63L6
4.7	205	184.80	7760	1.45	SF	57 D63L6
5.5	180	158.12	7900	1.65	SA	57 D63L6
6.3	159	137.05	7990	1.85	SAF	57 D63L6
6.6	154	201.00	8010	1.90	S	57 D63M4
7.1	143	184.80	8050	2.1	SF	57 D63M4
8.4	125	158.12	8120	2.4	SA	57 D63M4
9.6	110	137.05	8160	2.7	SAF	57 D63M4
4.3	215	201.00	5090	0.85	S	47 D63L6
4.7	199	184.80	5180	0.95	SF	47 D63L6
5.5	173	158.12	5320	1.00	SA	47 D63L6
6.3	153	137.05	5420	1.10	SAF	47 D63L6
6.8	144	128.10	5470	1.20		
6.6	149	201.00	5440	1.15		
7.1	138	184.80	5490	1.25		
8.4	121	158.12	5570	1.40		
9.6	107	137.05	5630	1.60	S	47 D63M4
10	100	128.10	5660	1.65	SF	47 D63M4
12	88	110.73	5700	1.90	SA	47 D63M4
14	77	94.08	5750	2.2	SAF	47 D63M4
16	69	84.00	5770	2.4		
18	60	71.75	5800	2.8		
19	69	69.39	5750	2.2		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N · m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.18kW						
8.4	115	157.43	3000	0.80		
9.1	107	144.40	3000	0.85	S	37 D63M4
11	93	122.94	3000	1.00	SF	37 D63M4
12	82	106.00	3000	1.10	SA	37 D63M4
13	77	98.80	3000	1.15	SAF	37 D63M4
15	68	86.36	3000	1.25		
16	64	80.96	3000	1.30		
18	58	71.44	3000	1.45		
21	52	63.33	3000	1.60		
24	55	55.93	3000	1.45		
26	51	51.30	3000	1.60		
30	44	43.68	3000	1.85		
35	38	37.66	3000	2.1		
38	36	35.10	3000	2.2		
43	32	30.68	3000	2.4	S	37 D63M4
46	30	28.76	3000	2.5	SF	37 D63M4
52	27	25.38	3000	2.8	SA	37 D63M4
59	24	22.50	3000	3.1	SAF	37 D63M4
66	22	19.89	3000	2.3		
72	21	18.24	2940	2.5		
85	18	15.53	2810	2.8		
99	15	13.39	2700	3.2		
106	14	12.48	2650	3.4		
121	13	10.91	2550	3.8		
129	12	10.23	2500	4.0		
0.25kW						
0.45	2860	2905	24300	0.85		
0.50	2500	2586	27500	1.00	S	87 R57 D63L4
0.56	2240	2335	28000	1.10	SF	87 R57 D63L4
0.63	1950	2054	28500	1.30	SA	87 R57 D63L4
0.71	1730	1824	28900	1.45	SAF	87 R57 D63L4
0.80	1550	1631	29100	1.60		
1.4	910	930	29800	2.8		
1.4	1230	954	12100	1.00		
1.5	1080	837	13300	1.15	S	77 R37 D63L4
1.8	910	714	14400	1.35	SF	77 R37 D63L4
2.0	810	637	14900	1.55	SA	77 R37 D63L4
2.3	730	574	15200	1.70	SAF	77 R37 D63L4
2.6	625	499	15600	2.0		
2.4	635	543	7420	0.90		
2.8	540	469	8500	1.05	S	67 R37 D63L4
3.1	485	424	8970	1.15	SF	67 R37 D63L4
3.6	430	365	9390	1.30	SA	67 R37 D63L4
4.1	375	319	9750	1.50	SAF	67 R37 D63L4
4.6	330	281	9990	1.75		
3.1	435	217.41	9350	1.30	S	67 D80N8
3.6	390	190.11	9670	1.45	SF	67 D80N8
3.8	370	180.60	9770	1.50	SA	67 D80N8
4.3	330	158.45	9980	1.70	SAF	67 D80N8
4.1	350	217.41	9890	1.60	S	67 D71D6
4.6	310	190.11	10100	1.80	SF	67 D71D6
4.9	295	180.60	10100	1.90	SA	67 D71D6
5.6	265	158.45	10300	2.1	SAF	67 D71D6
6.0	245	217.41	10300	2.1		
6.8	220	190.11	10400	2.4		
7.2	210	180.60	10500	2.5	S	67 D63L4
8.2	187	158.45	10500	2.8	SF	67 D63L4
9.7	161	134.40	10600	3.2	SA	67 D63L4
11	147	121.33	10600	3.5	SAF	67 D63L4
12	131	106.75	10700	4.0		
4.4	305	201.00	7050	1.00		
4.8	285	184.80	7230	1.05	S	57 D71D6
5.6	245	158.12	7510	1.20	SF	57 D71D6
6.4	220	137.05	7690	1.35	SA	57 D71D6
6.9	205	128.10	7760	1.45	SAF	57 D71D6
6.5	215	201.00	7700	1.35		
7.0	200	184.80	7790	1.45		
8.2	176	158.12	7920	1.70	S	57 D63L4
9.5	155	137.05	8010	1.90	SF	57 D63L4
10	146	128.10	8040	2.0	SA	57 D63L4
12	129	110.73	8110	2.3	SAF	57 D63L4
14	111	94.08	8160	2.7		
15	101	84.00	8190	2.9		

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N · m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
0.25kW						
6.5	210	201.00	5120	0.80		
7.0	195	184.80	5210	0.85		
8.2	170	158.12	5340	1.00		
9.5	150	137.05	5440	1.10		
10	141	128.10	5480	1.20		
12	124	110.73	5560	1.35	S	47 D63L4
14	108	94.08	5630	1.55	SF	47 D63L4
15	98	84.00	5670	1.70	SA	47 D63L4
18	85	71.75	5720	1.95	SAF	47 D63L4
19	97	69.39	5640	1.60		
19	80	67.20	5740	2.1		
20	90	63.80	5670	1.70		
24	78	54.59	5720	2.0		
27	68	47.32	5760	2.3		
13	108	98.80	3000	0.80		
15	96	86.36	3000	0.90		
16	91	80.96	3000	0.95		
18	81	71.44	3000	1.05		
21	73	63.33	3000	1.10		
23	78	55.93	3000	1.05		
25	72	51.30	3000	1.15		
30	62	43.68	3000	1.30		
35	54	37.66	3000	1.45		
37	51	35.10	3000	1.55		
42	45	30.68	3000	1.70	S	37 D63L4
45	42	28.76	3000	1.80	SF	37 D63L4
51	37	25.38	3000	2.0	SA	37 D63L4
58	33	22.50	3000	2.2	SAF	37 D63L4
65	32	19.89	2870	1.65		
71	29	18.24	2820	1.80		
84	25	15.53	2710	2.0		
97	22	13.39	2620	2.3		
104	20	12.48	2570	2.4		
119	18	10.91	2480	2.7		
127	17	10.23	2440	2.8		
144	15	9.02	2360	3.1		
163	13	8.00	2290	3.4		
191	11	6.80	2180	3.8		
92	21	28.76	2740	3.0		
105	19	25.38	2650	3.3		
118	17	22.50	2560	3.4	S	37 D63M2
134	16	19.89	2410	2.8	SF	37 D63M2
146	15	18.24	2350	3.0	SA	37 D63M2
171	13	15.53	2250	3.4	SAF	37 D63M2
199	11	13.39	2160	3.8		
213	10	12.48	2120	4.0		
0.37kW						
0.67	2810	2054	25400	0.90	S	87 R57 D71D4
0.76	2490	1824	27500	1.00	SF	87 R57 D71D4
0.85	2230	1631	28000	1.10	SA	87 R57 D71D4
1.5	1320	930	29400	1.90	SAF	87 R57 D71D4
1.7	1190	831	29500	2.1		
1.9	1290	714	11500	0.95		
2.2	1150	637	12700	1.10	S	77 R37 D71D4
2.4	1040	574	13600	1.20	SF	77 R37 D71D4
2.8	900	499	14400	1.40	SA	77 R37 D71D4
3.2	785	438	15000	1.60	SAF	77 R37 D71D4
3.5	700	389	15400	1.80		
3.8	615	365	7700	0.95	S	67 R37 D71D4
4.3	535	319	8540	1.05	SF	67 R37 D71D4
4.9	470	281	9080	1.20	SA	67 R37 D71D4
5.6	425	246	9430	1.35	SAF	67 R37 D71D4
2.4	980	288.00	29700	2.5	S	87 D90S8
2.6	890	258.18	29800	2.8	SF	87 D90S8
3.1	775	222.40	29900	3.2	SA	87 D90S8
					SAF	87 D90S8

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
0.37kW					
3.0	735	225.26	15200	1.75	S 77 D90S8
3.2	700	214.00	15300	1.80	SF 77 D90S8
3.6	630	189.09	15600	2.0	SA 77 D90S8
4.2	545	161.60	15900	2.3	SAF 77 D90S8
3.5	645	256.47	15600	2.0	S 77 D80K6
4.0	575	225.26	15800	2.2	SF 77 D80K6
4.2	545	214.00	15900	2.3	SA 77 D80K6
					SAF 77 D80K6
4.1	505	217.41	8810	1.10	S 67 D80K6
4.7	450	190.11	9260	1.25	SF 67 D80K6
5.0	430	180.60	9400	1.30	SA 67 D80K6
5.7	380	158.45	9700	1.45	SAF 67 D80K6
6.3	345	217.41	9900	1.50	
7.3	310	190.11	10100	1.70	S 67 D71D4
7.6	295	180.60	10200	1.75	SF 67 D71D4
8.7	260	158.45	10300	2.0	SA 67 D71D4
10	225	134.40	10400	2.3	SAF 67 D71D4
11	205	121.33	10500	2.5	
5.7	360	158.12	6490	0.80	
6.6	315	137.05	6930	0.95	S 57 D80K6
7.0	300	128.10	7100	1.00	SF 57 D80K6
8.1	265	110.73	7390	1.10	SA 57 D80K6
9.6	230	94.08	7630	1.30	SAF 57 D80K6
11	205	84.00	7760	1.45	
6.9	305	201.00	7050	0.95	
7.5	285	184.80	7230	1.05	
8.7	245	158.12	7510	1.20	
10	220	137.05	7690	1.35	
11	205	128.10	7770	1.45	S 57 D71D4
12	180	110.73	7900	1.65	SF 57 D71D4
15	156	94.08	8000	1.90	SA 57 D71D4
16	141	84.00	8060	2.1	SAF 57 D71D4
19	122	71.75	8130	2.4	
20	139	69.39	8070	1.75	
21	115	67.20	8150	2.5	
22	128	63.80	8110	1.90	
10	210	137.05	5110	0.80	
11	199	128.10	5190	0.85	
12	175	110.73	5320	0.95	
15	151	94.08	5430	1.10	
16	137	84.00	5500	1.20	
19	119	71.75	5580	1.40	
20	136	69.39	5460	1.15	
21	112	67.20	5610	1.50	
22	126	63.80	5510	1.25	S 47 D71D4
25	109	54.59	5590	1.40	SF 47 D71D4
29	96	47.32	5410	1.60	SA 47 D71D4
31	90	44.22	5330	1.75	SAF 47 D71D4
36	78	38.23	5140	2.0	
42	67	32.48	4930	2.3	
48	60	29.00	4790	2.6	
56	52	24.77	4590	3.0	
59	49	23.20	4510	3.1	
68	46	20.33	4180	2.4	
78	40	17.62	4030	2.8	
84	37	16.47	3960	3.0	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
0.37kW					
22	103	63.33	3000	0.80	
27	101	51.30	3000	0.80	
32	87	43.68	3000	0.95	
37	76	37.66	3000	1.05	
39	71	35.10	3000	1.10	
45	63	30.68	3000	1.20	
48	59	28.76	3000	1.30	
54	52	25.38	2940	1.40	S 37 D71D4
61	47	22.50	2870	1.55	SF 37 D71D4
69	44	19.89	2610	1.20	SA 37 D71D4
76	41	18.24	2570	1.30	SAF 37 D71D4
89	35	15.53	2500	1.45	
103	30	13.39	2420	1.60	
111	28	12.48	2390	1.70	
127	25	10.91	2320	1.95	
135	23	10.23	2280	2.0	
153	21	9.02	2220	2.2	
173	18	8.00	2150	2.5	
203	16	6.80	2070	2.7	
104	28	25.38	2540	2.2	
118	25	22.50	2460	2.3	
133	24	19.89	2290	1.85	
145	22	18.24	2250	2.0	S 37 D63L2
171	19	15.53	2160	2.3	SF 37 D63L2
198	16	13.39	2080	2.5	SA 37 D63L2
212	15	12.48	2040	2.7	SAF 37 D63L2
243	13	10.91	1970	3.0	
259	12	10.23	1940	3.1	
294	11	9.02	1870	3.3	
0.55kW					
1.0	2810	1332	25400	0.90	
1.1	2540	1191	27400	1.00	
1.3	2210	1032	28100	1.15	S 87 R57 D80K4
1.5	2040	930	28400	1.25	SF 87 R57 D80K4
1.6	1840	831	28700	1.35	SA 87 R57 D80K4
1.9	1600	719	29000	1.55	SAF 87 R57 D80K4
2.2	1400	624	29300	1.80	
2.4	1270	558	29400	1.95	
3.1	1010	435	29700	2.4	
2.7	1380	499	6920	0.90	
3.1	1210	438	12300	1.05	S 77 R37 D80K4
3.5	1070	389	13300	1.15	SF 77 R37 D80K4
4.2	910	327	14300	1.35	SA 77 R37 D80K4
4.7	820	289	14800	1.50	SAF 77 R37 D80K4
5.4	710	250	15300	1.75	
5.5	650	246	6600	0.90	S 67 R37 D80K4
6.2	580	221	8080	1.00	SF 67 R37 D80K4
6.9	530	198	8590	1.10	SA 67 R37 D80K4
8.1	455	168	9230	1.25	SAF 67 R37 D80K4
2.4	1450	288.00	29200	1.70	S 87 D90L8
2.6	1320	258.18	29400	1.85	SF 87 D90L8
3.1	1150	222.40	29600	2.1	SA 87 D90L8
					SAF 87 D90L8
3.1	1130	288.00	29600	2.2	S 87 D80N6
3.5	1020	258.18	29700	2.4	SF 87 D80N6
4.1	900	222.40	29800	2.7	SA 87 D80N6
4.4	820	202.96	29800	2.9	SAF 87 D80N6
3.0	1090	225.26	13200	1.15	S 77 D90L8
3.2	1040	214.00	13500	1.20	SF 77 D90L8
3.6	930	189.09	14200	1.35	SA 77 D90L8
4.2	810	161.60	14900	1.55	SAF 77 D90L8
3.5	960	256.47	14100	1.35	S 77 D80N6
4.0	850	225.26	14700	1.50	SF 77 D80N6
4.2	810	214.00	14800	1.55	SA 77 D80N6
4.8	730	189.09	15200	1.75	SAF 77 D80N6
5.6	635	161.60	15600	2.0	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
0.55kW					
5.3	660	256.47	15500	1.90	S 77 D80K4
6.0	590	225.26	15800	2.2	SF 77 D80K4
6.4	560	214.00	15800	2.3	SA 77 D80K4
7.2	505	189.09	16000	2.5	SAF 77 D80K4
6.3	520	217.41	8660	1.00	
7.2	465	190.11	9150	1.10	
7.5	445	180.60	9300	1.15	
8.6	395	158.45	9620	1.30	
10	340	134.40	9930	1.55	S 67 D80K4
11	310	121.33	10100	1.65	SF 67 D80K4
13	275	106.75	10200	1.85	SA 67 D80K4
13	265	100.80	10300	1.95	SAF 67 D80K4
16	230	85.83	10400	2.3	
18	230	75.06	10400	2.1	
21	205	65.63	10500	2.3	
9.6	340	94.08	6710	0.85	
11	305	84.00	7030	0.95	
13	265	71.75	7360	1.10	S 57 D80N6
13	250	67.20	7470	1.15	SF 57 D80N6
16	245	54.59	7520	1.10	SA 57 D80N6
19	215	47.32	7710	1.25	SAF 57 D80N6
20	200	44.22	7790	1.35	
24	176	38.23	7920	1.55	
8.6	370	158.12	6330	0.80	
9.9	330	137.05	6820	0.90	
11	310	128.10	7010	0.95	
12	270	110.73	7320	1.10	
14	235	94.08	7590	1.25	
16	210	84.00	7730	1.40	
19	184	71.75	7880	1.55	S 57 D80K4
20	174	67.20	7930	1.65	SF 57 D80K4
25	167	54.59	7960	1.45	SA 57 D80K4
29	146	47.32	8040	1.70	SAF 57 D80K4
31	137	44.22	8080	1.80	
36	120	38.23	8130	2.0	
42	103	32.48	7970	2.4	
47	92	29.00	7730	2.7	
55	79	24.77	7390	3.1	
59	75	23.20	7250	3.3	
67	69	20.33	6760	2.4	
16	205	84.00	5140	0.80	
19	179	71.75	5290	0.95	
20	169	67.20	5350	1.00	
25	165	54.59	5130	0.95	
29	144	47.32	5010	1.10	
31	135	44.22	4950	1.15	
36	118	38.23	4810	1.30	
42	101	32.48	4650	1.55	S 47 D80K4
47	91	29.00	4540	1.70	SF 47 D80K4
55	78	24.77	4380	2.0	SA 47 D80K4
59	74	23.20	4310	2.1	SAF 47 D80K4
67	69	20.33	3920	1.60	
77	60	17.62	3810	1.85	
83	56	16.47	3750	1.95	
96	49	14.24	3630	2.2	
112	42	12.10	3500	2.6	
126	37	10.80	3400	2.9	
147	32	9.23	3270	3.4	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
0.55kW					
44	94	30.68	2680	0.80	
47	89	28.76	2670	0.85	
54	79	25.38	2630	0.95	
60	70	22.50	2600	1.05	
71	60	19.13	2540	1.20	
88	53	15.53	2230	0.95	S 37 D80K4
102	46	13.39	2200	1.10	SF 37 D80K4
109	43	12.48	2180	1.15	SA 37 D80K4
125	37	10.91	2130	1.30	SAF 37 D80K4
133	35	10.23	2110	1.35	
151	31	9.02	2070	1.50	
170	28	8.00	2020	1.60	
200	24	6.80	1950	1.80	
94	46	28.76	2420	1.40	
106	41	25.38	2360	1.50	
120	37	22.50	2310	1.55	
136	34	19.89	2100	1.30	
148	32	18.24	2070	1.40	
174	27	15.53	2010	1.55	S 37 D71D2
202	24	13.39	1950	1.75	SF 37 D71D2
216	22	12.48	1920	1.85	SA 37 D71D2
248	19	10.91	1870	2.0	SAF 37 D71D2
264	18	10.23	1840	2.1	
299	16	9.02	1780	2.2	
338	14	8.00	1730	2.5	
397	12	6.80	1660	2.4	
0.75kW					
1.1	4840	1223	21300	0.85	
1.3	4240	1070	30700	1.00	
1.5	3650	928	33900	1.15	S 97R57D80N4
1.7	3230	824	34600	1.30	SF 97R57D80N4
1.9	2300	714	35900	1.85	SA 97R57D80N4
2.2	2450	626	35700	1.70	SAF 97R57D80N4
2.6	2110	538	36100	2.0	
2.8	1900	484	36300	2.2	
1.3	3030	1032	18700	0.85	
1.5	2780	930	25900	0.90	
1.7	2510	831	2750	1.00	S 87R57D80N4
1.9	2190	719	28100	1.15	SF 87R57D80N4
2.2	1920	624	28600	1.30	SA 87R57D80N4
2.5	1730	558	28900	1.45	SAF 87R57D80N4
3.2	1390	435	29300	1.75	
4.3	1060	323	29600	2.3	
4.2	1240	327	12000	1.00	S 77R37D80N4
4.8	1110	289	13100	1.10	SF 77R37D80N4
5.5	960	250	14000	1.30	SA 77R37D80N4
6.3	850	219	14700	1.45	SAF 77R37D80N4
2.4	2040	286.40	36100	2.1	S 97 D100M8
2.6	1890	262.22	36300	2.2	SF 97 D100M8
3.0	1690	231.67	36400	2.5	SA 97 D100M8
					SAF 97 D100M8
3.1	1540	288.00	29100	1.60	S 87 D90S6
3.5	1400	258.18	29300	1.75	SF 87 D90S6
4.1	1220	222.40	29500	1.95	SA 87 D90S6
4.4	1120	202.96	29600	2.1	SAF 87 D90S6
4.8	1050	288.00	29600	2.2	S 87 D80N4
5.3	950	258.18	29700	2.4	SF 87 D80N4
6.2	830	222.40	29800	2.8	SA 87 D80N4
6.8	765	202.96	29900	3.0	SAF 87 D80N4
4.0	1160	225.26	12700	1.10	S 77 D90S6
4.2	1110	214.00	13100	1.15	SF 77 D90S6
4.8	990	189.09	13900	1.30	SA 77 D90S6
5.6	860	161.60	14600	1.45	SAF 77 D90S6

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
0.75kW					
5.4	890	256.47	14500	1.45	
6.1	790	225.26	14900	1.60	
6.4	755	214.00	15100	1.70	S 77 D80N4
7.3	675	189.09	15400	1.90	SF 77 D80N4
8.5	585	161.60	15800	2.2	SA 77 D80N4
9.3	545	148.15	15900	2.3	SAF 77 D80N4
11	480	130.00	16000	2.5	
11	460	123.20	16000	2.6	
13	405	107.83	16000	2.9	
7.3	625	190.11	7570	0.85	
7.6	595	180.60	7900	0.85	
8.7	530	158.45	8570	1.00	
10	460	134.40	9480	1.15	
11	420	121.33	9470	1.25	S 67 D80N4
13	375	106.75	9750	1.40	SF 67 D80N4
14	355	100.80	9860	1.45	SA 67 D80N4
16	305	85.83	10100	1.70	SAF 67 D80N4
18	310	75.06	10100	1.55	
21	275	65.63	10200	1.75	
22	260	62.35	10300	1.85	
25	230	54.70	10300	2.1	
30	198	46.40	9840	2.4	
13	365	71.75	6430	0.80	S 57 D90S6
13	345	67.20	6660	0.85	SF 57 D90S6
16	295	56.64	7140	1.00	SA 57 D90S6
19	295	47.32	7150	0.90	SAF 57 D90S6
20	275	44.22	7300	1.00	
12	365	110.73	6400	0.80	
15	315	94.08	6930	0.95	
16	285	84.00	7210	1.05	
19	250	71.75	7500	1.15	
21	235	67.20	7590	1.20	
25	225	54.59	7650	1.10	
29	197	47.32	7810	1.25	S 57 D80N4
31	185	44.22	7870	1.35	SF 57 D80N4
36	161	38.23	7980	1.50	SA 57 D80N4
42	138	32.48	7670	1.80	SAF 57 D80N4
48	124	29.00	7450	2.0	
56	107	24.77	7150	2.3	
59	100	23.20	7030	2.5	
68	93	20.33	6490	1.80	
78	81	17.62	6260	2.1	
84	76	16.47	6160	2.2	
97	66	14.24	5930	2.6	
29	194	47.32	4530	0.80	
31	182	44.22	4500	0.85	S 47 D80N4
36	159	38.23	4420	1.00	SF 47 D80N4
42	136	32.48	4310	1.15	SA 47 D80N4
48	122	29.00	4230	1.25	SAF 47 D80N4
56	106	24.77	4110	1.45	
59	99	23.20	4060	1.55	
68	93	20.33	3610	1.20	
78	81	17.62	3530	1.35	
84	76	16.47	3490	1.45	S 47 D80N4
97	66	14.24	3410	1.65	SF 47 D80N4
114	56	12.10	3300	1.95	SA 47 D80N4
128	50	10.80	3230	2.2	SAF 47 D80N4
150	43	9.23	3120	2.5	
160	41	8.64	3070	2.7	
190	34	7.28	2950	3.0	
72	81	19.13	2270	0.85	
111	57	12.48	1930	0.85	S 37 D80N4
127	50	10.91	1920	0.95	SF 37 D80N4
135	47	10.23	1910	1.00	SA 37 D80N4
153	42	9.02	1890	1.10	SAF 37 D80N4
173	37	8.00	1860	1.20	
203	32	6.80	1820	1.35	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
0.75kW					
141	43	19.13	2090	1.05	
174	37	15.53	1860	1.15	
202	32	13.39	1820	1.30	S 37 D80K2
216	30	12.48	1800	1.35	SF 37 D80K2
248	26	10.91	1760	1.50	SA 37 D80K2
264	25	10.23	1740	1.55	SAF 37 D80K2
299	22	9.02	1690	1.65	
338	19	8.00	1650	1.80	
397	17	6.80	1590	1.75	
1.7	4720	824	23300	0.90	
2.0	3370	714	34400	1.25	S 97 R57 D90S4
2.2	3590	626	34000	1.15	SF 97 R57 D90S4
2.6	3090	538	34800	1.35	SA 97 R57 D90S4
2.9	2790	484	35200	1.50	SAF 97 R57 D90S4
3.3	2430	420	35700	1.75	
2.2	2820	624	25400	0.90	
2.5	2550	558	27400	1.00	
2.9	2240	485	28000	1.10	
3.2	2040	435	28400	1.20	S 87 R57 D90S4
3.7	1790	378	28800	1.35	SF 87 R57 D90S4
4.3	1560	323	29100	1.55	SA 87 R57 D90S4
5.0	1370	281	29300	1.75	SAF 87 R57 D90S4
5.5	1460	255	29200	1.35	
6.3	1280	222	29400	1.55	
6.8	1200	205	29500	1.65	
6.4	1240	219	12000	1.00	S 77 R37 D90S4 SF 77 R37 D90S4 SA 77 R37 D90S4 SAF 77 R37 D90S4
2.4	3030	286.40	34900	1.40	S 97 D100L8
2.6	2800	262.22	35200	1.50	SF 97 D100L8
2.9	2500	231.67	35600	1.70	SA 97 D100L8
3.5	2160	196.52	36000	1.95	SAF 97 D100L8
3.2	2310	286.40	35900	1.80	S 97 D90L6
3.5	2130	262.22	36000	1.95	SF 97 D90L6
4.0	1900	231.67	36300	2.2	SA 97 D90L6
					SAF 97 D90L6
3.2	2220	288.00	28100	1.10	S 87 D90L6
3.6	2010	258.18	28400	1.20	SF 87 D90L6
4.1	1760	222.40	28800	1.35	SA 87 D90L6
4.5	1620	202.96	29000	1.45	SAF 87 D90L6
1.1kW					
4.9	1520	288.00	29100	1.50	
5.4	1370	258.18	29300	1.65	S 87 D90S4
6.3	1200	222.40	29500	1.90	SF 87 D90S4
6.9	1100	202.96	29600	2.0	SA 87 D90S4
7.8	990	180.00	29700	2.2	SAF 87 D90S4
9.2	840	151.30	29800	2.5	
6.2	1150	225.26	12800	1.10	
6.5	1100	214.00	13200	1.15	
7.4	980	189.09	13900	1.30	
8.7	850	161.60	14700	1.50	S 77 D90S4
9.4	785	148.15	15000	1.60	SF 77 D90S4
11	695	130.00	15400	1.75	SA 77 D90S4
11	665	123.20	15500	1.80	SAF 77 D90S4
13	585	107.83	15800	2.0	
14	535	97.14	15900	2.1	
16	470	85.22	16000	2.3	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
1.1kW					
12	605	121.33	7790	0.85	
13	540	106.75	8490	0.95	
14	515	100.80	8740	1.00	
16	445	85.83	9300	1.15	
18	405	78.00	9550	1.30	S 67 D90S4
21	400	65.63	9610	1.20	SF 67 D90S4
22	380	62.35	9720	1.25	SA 67 D90S4
26	335	54.70	9560	1.45	SAF 67 D90S4
30	285	46.40	9240	1.65	
33	260	41.89	9040	1.85	
38	230	36.85	8780	2.1	
40	220	34.80	8660	2.2	
47	187	29.63	8330	2.6	
20	360	71.75	6480	0.80	S 57 D90S4
21	340	67.20	6710	0.85	SF 57 D90S4
25	290	56.61	7180	0.90	SA 57 D90S4
30	285	47.32	7220	0.85	SAF 57 D90S4
32	265	44.22	7360	0.90	
37	235	38.23	7410	1.05	
43	200	32.48	7170	1.25	
48	179	29.00	7000	1.35	
57	154	24.77	6760	1.60	S 57 D90S4
60	145	23.20	6660	1.70	SF 57 D90S4
72	123	19.54	6390	1.75	SA 57 D90S4
79	117	17.62	5870	1.45	SAF 57 D90S4
85	110	16.47	5780	1.55	
98	95	14.24	5610	1.75	
116	82	12.10	5400	2.1	
130	73	10.80	5260	2.3	
152	63	9.23	5050	2.7	
48	177	29.00	3720	0.90	
57	153	24.77	3670	1.00	S 47 D90S4
60	143	23.20	3640	1.05	SF 47 D90S4
72	122	19.54	3560	1.20	SA 47 D90S4
79	117	17.62	3070	0.95	SAF 47 D90S4
85	109	16.47	3060	1.00	
98	95	14.24	3030	1.15	
116	81	12.10	2980	1.35	S 47 D90S4
130	73	10.80	2940	1.50	SF 47 D90S4
152	63	9.23	2870	1.75	SA 47 D90S4
162	59	8.64	2840	1.85	SAF 47 D90S4
192	50	7.28	2750	2.1	
175	54	8.00	1570	0.85	S 37 D90S4
206	46	6.80	1580	0.95	SF 37 D90S4
					SA 37 D90S4
					SAF 37 D90S4
202	47	13.39	1590	0.85	
216	44	12.48	1580	0.90	S 37 D80N2
248	39	10.91	1570	1.00	SF 37 D80N2
264	36	10.23	1560	1.05	SA 37 D80N2
299	32	9.02	1540	1.10	SAF 37 D80N2
338	28	8.00	1510	1.25	
397	24	6.80	1470	1.20	
1.5kW					
2.0	4590	714	29100	0.90	
2.2	4890	626	19100	0.85	
2.6	4220	538	31100	1.00	S 97 R57D90L4
2.9	3810	484	33600	1.10	SF 97 R57D90L4
3.4	3310	420	34500	1.25	SA 97 R57D90L4
3.8	2990	376	35000	1.40	SAF 97 R57D90L4
4.3	2630	327	35500	1.60	
2.9	3060	485	17200	0.80	
3.2	2780	435	25900	0.90	
3.7	2450	378	27600	1.00	S 87 R57D90L4
4.4	2130	323	28200	1.15	SF 87 R57D90L4
5.0	1870	281	28600	1.30	SA 87 R57D90L4
5.5	2000	255	28400	1.00	SAF 87 R57D90L4
6.3	1750	222	28800	1.15	
6.9	1630	205	29000	1.20	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B	机型号 Model
1.5kW					
2.4	4030	286.40	33100	1.05	S 97 D112M8
2.7	3720	262.22	33700	1.15	SF 97 D112M8
3.0	3330	231.67	34400	1.25	SA 97 D112M8
3.6	2870	196.52	35200	1.45	SAF 97 D112M8
3.2	3150	286.40	34700	1.35	S 97 D100M6
3.5	2910	262.22	35100	1.45	SF 97 D100M6
4.0	2600	231.67	35500	1.60	SA 97 D100M6
4.7	2230	196.52	35900	1.90	SAF 97 D100M6
4.9	2130	286.40	36000	1.90	S 97 D90L4
5.4	1970	262.22	36200	2.0	SF 97 D90L4
6.1	1760	231.67	36400	2.3	SA 97 D90L4
7.2	1510	196.52	36600	2.7	SAF 97 D90L4
3.6	2740	258.18	26600	0.90	S 87 D100M6
4.1	2390	222.40	27700	1.00	SF 87 D100M6
4.5	2200	202.96	28100	1.10	SA 87 D100M6
5.1	1980	180.00	28500	1.20	SAF 87 D100M6
4.9	2060	288.00	28300	1.10	
5.5	1860	258.18	28700	1.20	
6.3	1630	222.40	29000	1.40	
6.9	1500	202.96	29200	1.50	S 87 D90L4
7.8	1340	180.00	29400	1.65	SF 87 D90L4
9.3	1140	151.30	29600	1.90	SA 87 D90L4
10	1060	139.05	29600	2.0	SAF 87 D90L4
11	950	123.48	29700	2.2	
13	850	110.40	29800	2.3	
14	770	99.26	29900	2.5	
7.5	1330	189.09	10600	0.95	
8.7	1150	161.60	12700	1.10	
9.5	1060	148.15	13400	1.15	
11	940	130.00	14100	1.30	
11	900	123.20	14400	1.35	
13	795	107.83	14900	1.45	
15	725	97.14	15300	1.60	S 77 D90L4
17	640	85.22	15400	1.70	SF 77 D90L4
19	650	75.09	14100	1.70	SA 77 D90L4
20	620	71.33	14000	1.80	SAF 77 D90L4
21	510	66.67	14600	2.0	
22	550	63.03	13700	2.0	
25	440	56.92	14000	2.3	
26	470	53.87	13200	2.3	
29	435	49.38	13000	2.5	
33	385	43.33	12600	2.9	
16	600	85.83	7850	0.85	S 67 D90L4
18	550	78.00	8390	0.95	SF 67 D90L4
21	540	65.63	8510	0.90	SA 67 D90L4
					SAF 67 D90L4
23	515	62.35	8740	0.95	
26	455	54.70	8810	1.05	
30	390	46.40	8590	1.25	
34	355	41.89	8450	1.35	
38	310	36.85	8250	1.55	
41	295	34.80	8160	1.60	S 67 D90L4
48	255	29.63	7900	1.90	SF 67 D90L4
52	230	26.93	7740	2.1	SA 67 D90L4
58	220	24.44	7000	1.55	SAF 67 D90L4
61	210	23.22	6950	1.60	
69	186	20.37	6790	1.85	
82	159	17.28	6580	2.1	
90	144	15.60	6440	2.4	
103	127	13.73	6260	2.7	

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model	
1.5kW							
43	270	32.48	6630	0.90			
49	245	29.00	6520	1.00			
57	210	24.77	6340	1.15			
61	196	23.20	6270	1.25	S	57	D90L4
72	167	19.54	6060	1.30	SF	57	D90L4
80	159	17.62	5430	1.05	SA	57	D90L4
86	159	16.47	5380	1.15	SAF	57	D90L4
99	129	14.24	5250	1.30			
117	110	12.10	5100	1.55			
131	99	10.80	4980	1.70			
153	85	9.23	4820	2.0			
99	129	14.24	2610	0.85	S	47	D90L4
117	110	12.10	2620	1.00	SF	47	D90L4
131	99	10.80	2620	1.10	SA	47	D90L4
					SAF	47	D90L4
153	85	9.23	2590	1.30	S	47	D90L4
163	79	8.64	2580	1.35	SF	47	D90L4
194	67	7.28	2530	1.55	SA	47	D90L4
					SAF	47	D90L4
299	44	9.02	1330	0.85	S	37	D90S2
338	39	8.00	1350	0.90	SF	37	D90S2
397	33	6.80	1340	0.90	SA	37	D90S2
					SAF	37	D90S2
2.2kW							
3.4	4900	420	18800	0.85	S	97 R57	D100M4
3.8	4410	376	28300	0.95	SF	97 R57	D100M4
4.3	3870	327	33500	1.10	SA	97 R57	D100M4
4.9	3420	287	34300	1.25	SAF	97 R57	D100M4
5.6	3000	252	35000	1.40			
3.3	4530	286.40	30200	0.95	S	97	D112M6
3.6	4180	262.22	32800	1.00	SF	97	D112M6
4.1	3730	231.67	33700	1.15	SA	97	D112M6
4.8	3210	196.52	34600	1.30	SAF	97	D112M6
4.9	3130	286.40	34800	1.30			
5.4	2890	262.22	35100	1.40			
6.1	2570	231.67	35500	1.55			
7.2	2210	196.52	36000	1.80	S	97	D100M4
7.8	2050	180.95	36100	1.90	SF	97	D100M4
8.7	1840	161.74	36300	2.1	SA	97	D100M4
9.7	1670	145.60	36500	2.2	SAF	97	D100M4
11	1520	131.85	36600	2.4			
12	1360	116.92	36700	2.6			
13	1240	105.71	36800	2.8			
16	1060	89.60	36900	3.1			
5.5	2730	258.18	26800	0.85			
6.3	2380	222.40	27700	0.95			
6.9	2190	202.96	28100	1.05			
7.8	1970	180.00	28500	1.10			
9.3	1680	151.30	28900	1.30			
10	1550	139.05	29100	1.35	S	87	D100M4
11	1390	123.48	29300	1.50	SF	87	D100M4
13	1250	110.40	29500	1.60	SA	87	D100M4
14	1130	99.26	29600	1.75	SAF	87	D100M4
16	990	86.15	29700	1.90			
17	1060	81.76	29600	1.50			
18	890	77.14	29800	2.0			
20	920	70.43	29700	1.75			
22	840	64.27	29800	1.90			
25	750	57.00	29900	2.1			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load FR2 [N]	使用系数 Service factor f_B		机型号 Model	
2.2kW							
11	1390	130.00	6140	0.85			
11	1320	123.20	11100	0.90			
13	1170	107.83	12600	1.00			
15	1060	97.14	13400	1.10			
17	940	85.22	14100	1.15			
19	840	75.20	13800	1.30			
21	745	66.67	13500	1.40			
22	810	63.03	12400	1.35			
25	645	56.92	13100	1.55	S	77	D100M4
26	695	53.87	12100	1.60	SF	77	D100M4
29	635	49.38	11900	1.75	SA	77	D100M4
33	560	43.33	11700	1.95	SAF	77	D100M4
34	535	41.07	11600	2.1			
39	470	35.94	11300	2.3			
44	425	32.38	11000	2.6			
50	375	28.41	10700	2.8			
56	330	25.07	10400	3.1			
62	310	22.89	9490	2.3			
67	285	20.99	9340	2.5			
30	570	46.40	7480	0.85			
34	515	41.89	7440	0.95			
38	460	36.85	7360	1.05			
41	435	34.80	7320	1.10			
48	370	29.63	7180	1.30			
52	340	26.93	7080	1.40	S	67	D100M4
60	295	23.33	6920	1.60	SF	67	D100M4
69	275	20.37	6060	1.25	SA	67	D100M4
82	235	17.28	5960	1.45	SAF	67	D100M4
90	210	15.60	5880	1.60			
103	186	13.73	5770	1.85			
109	176	12.96	5710	1.95			
128	151	11.03	5550	2.3			
141	137	10.03	5450	2.5			
162	119	8.69	5300	2.8			
99	190	14.24	4640	0.90			
117	162	12.10	4580	1.05	S	57	D100M4
131	145	10.80	4520	1.15	SF	57	D100M4
153	124	9.23	4420	1.35	SA	57	D100M4
163	117	8.64	4380	1.40	SAF	57	D100M4
194	99	7.28	4250	1.50			
3.0kW							
4.9	4710	287	23700	0.90	S	97R57	D100L4
5.6	4140	252	32400	1.00	SF	97R57	D100L4
6.4	3620	219	33900	1.15	SA	97R57	D100L4
6.8	3400	205	34300	1.25	SAF	97R57	D100L4
4.9	4290	286.40	32600	0.95			
5.3	3960	262.22	33300	1.00			
6.0	3530	231.67	34100	1.15			
7.1	3040	196.52	34900	1.30			
7.7	2810	180.95	35200	1.40	S	97	D100L4
8.7	2530	161.74	35600	1.50	SF	97	D100L4
9.6	2300	145.60	35900	1.65	SA	97	D100L4
11	2090	131.85	36100	1.75	SAF	97	D100L4
12	1870	116.92	36300	1.90			
13	1700	105.71	36400	2.0			
16	1450	89.60	36600	2.2			
17	1470	80.85	36600	2.2			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load FR2 [N]	使用系数 Service factor f_B		机型号 Model	
3.0kW							
7.8	2700	180.00	27100	0.80			
9.2	2300	151.30	27900	0.95			
10	2130	139.05	28200	1.00			
11	1900	123.48	28600	1.10			
13	1720	110.40	28900	1.15			
14	1550	99.26	29100	1.25			
16	1360	86.15	29300	1.40			
17	1460	81.76	29200	1.10	S	87	D100L4
18	1230	77.14	29500	1.50	SF	87	D100L4
20	1260	70.43	29400	1.25	SA	87	D100L4
22	1160	64.27	29500	1.40	SAF	87	D100L4
25	1030	57.00	29700	1.55			
29	870	47.91	29800	1.85			
32	800	44.03	29800	2.0			
36	715	39.10	29900	2.2			
40	640	34.96	29900	2.5			
16	1290	85.22	11500	0.85	S	77	D100L4
19	1150	75.20	12500	0.95	SF	77	D100L4
21	1020	66.67	12400	1.00	SA	77	D100L4
22	1110	63.03	10900	1.00	SAF	77	D100L4
25	880	56.92	12100	1.10			
26	950	53.87	10800	1.15			
28	880	49.38	10800	1.25			
32	770	43.33	10700	1.40			
34	735	41.07	10600	1.50			
39	645	35.94	10400	1.70	S	77	D100L4
43	585	32.38	10300	1.85	SF	77	D100L4
49	515	28.41	10100	2.0	SA	77	D100L4
56	455	25.07	9840	2.2	SAF	77	D100L4
61	430	22.89	8680	1.65			
67	395	20.99	8590	1.80			
76	345	18.42	8450	2.0			
80	330	17.45	8390	2.2			
92	290	15.28	8210	2.5			
102	260	13.76	8060	2.7			
116	230	12.07	7870	3.1			
131	205	10.65	7670	3.5			
40	595	34.80	6350	0.80	S	67	D100L4
47	510	29.63	6350	0.95	SF	67	D100L4
52	465	26.93	6330	1.05	SA	67	D100L4
					SAF	67	D100L4
60	405	23.33	6270	1.20			
69	375	20.37	5230	0.90			
81	320	17.28	5250	1.05	S	67	D100L4
90	290	15.60	5240	1.15	SF	67	D100L4
102	255	13.73	5210	1.35	SA	67	D100L4
108	240	12.96	5190	1.40	SAF	67	D100L4
127	205	11.03	5100	1.65			
140	188	10.03	5050	1.80			
161	164	8.69	4940	2.0			
185	143	7.56	4830	2.1			
130	199	10.80	3990	0.85	S	57	D100L4
152	171	9.23	3970	1.00	SF	57	D100L4
162	160	8.64	3960	1.05	SA	57	D100L4
192	136	7.28	3900	1.10	SAF	57	D100L4
4.0kW							
6.5	4780	219	22700	0.90	S	97R57	D112M4
6.9	4490	205	27300	0.95	SF	97R57	D112M4
					SA	97R57	D112M4
					SAF	97R57	D112M4

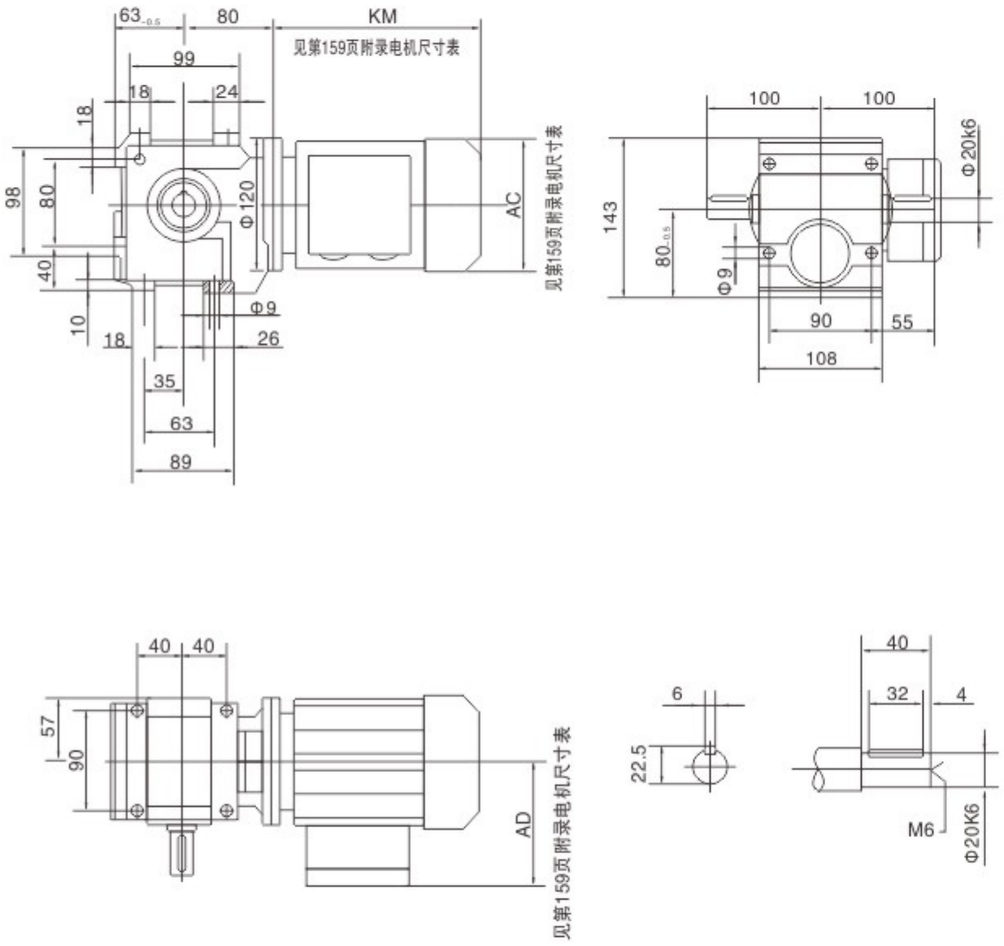
输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model	
4.0kW							
6.1	4650	231.67	28300	0.85			
7.2	3990	196.52	33200	1.00			
7.8	3700	180.95	33800	1.05			
8.8	3330	161.74	3440	1.15			
9.8	3020	145.60	34900	1.25	S	97	D112M4
11	2750	131.85	35300	1.35	SF	97	D112M4
12	2460	116.92	35700	1.45	SA	97	D112M4
13	2230	105.71	35900	1.55	SAF	97	D112M4
16	1910	89.60	36300	1.70			
18	1940	80.85	36200	1.65			
20	1720	71.43	36400	1.90			
23	1470	60.59	36600	2.2			
25	1350	55.79	36700	2.4			
12	2510	123.48	27500	0.80			
13	2260	110.40	28000	0.90			
14	2040	99.26	28400	0.95			
16	1790	86.15	28800	1.05			
18	1610	77.14	29000	1.15			
20	1660	70.43	28900	0.95	S	87	D112M4
22	1520	64.27	29100	1.05	SF	87	D112M4
25	1350	57.00	29300	1.20	SA	87	D112M4
30	1150	47.91	29500	1.40	SAF	87	D112M4
32	1060	44.03	29600	1.50			
36	940	39.10	29700	1.70			
41	840	34.96	29800	1.90			
45	760	31.43	29100	2.1			
52	665	27.28	28200	2.4			
56	635	25.50	26600	1.95			
25	1160	56.92	10800	0.85	S	77	D112M4
26	1250	53.87	9250	0.90	SF	77	D112M4
29	1150	49.38	9320	0.95	SA	77	D112M4
33	1020	43.33	9370	1.10	SAF	77	D112M4
35	960	41.07	9370	1.15			
40	850	35.94	9340	1.30			
44	765	32.38	9290	1.40			
50	675	28.41	9190	1.55			
57	600	25.07	9070	1.70	S	77	D112M4
62	565	22.89	7650	1.25	SF	77	D112M4
68	520	20.99	7650	1.35	SA	77	D112M4
77	455	18.42	7620	1.55	SAF	77	D112M4
81	435	17.45	7590	1.65			
93	380	15.28	7510	1.85			
103	345	13.76	7430	2.1			
118	300	12.07	7310	2.4			
133	265	10.65	7170	2.7			
150	235	9.44	7030	3.1			
176	205	8.06	6830	3.3			
82	420	17.28	3810	0.80			
91	380	15.60	4180	0.90	S	67	D112M4
103	335	13.73	4500	1.00	SF	67	D112M4
110	320	12.96	4520	1.05	SA	67	D112M4
129	270	11.03	4530	1.25	SAF	67	D112M4
142	245	10.03	4520	1.35			
163	215	8.69	4490	1.55			
188	188	7.56	4430	1.55			
5.5kW							
8.8	4550	161.74	29900	0.85			
9.8	4130	145.60	32900	0.90			
11	3760	131.85	33700	0.95			
12	3360	116.92	34400	1.05			
14	3050	105.71	34900	1.15	S	97	D132S4
16	2610	89.60	35500	1.25	SF	97	D132S4
18	2290	78.26	35900	1.35	SA	97	D132S4
20	2350	71.43	35800	1.40	SAF	97	D132S4
22	1930	65.45	36200	1.50			
24	2000	60.59	36200	1.65			
26	1850	55.79	36300	1.80			
29	1660	49.87	36500	2.0			
32	1500	44.89	36600	2.2			
35	1360	40.65	36700	2.4			

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
5.5kW						
19	2200	77.14	28100	0.85	S	87 D132S4
22	1850	64.00	28700	0.90	SF	87 D132S4
25	1850	57.00	28700	0.85	SA	87 D132S4
30	1560	47.91	29100	1.00	SAF	87 D132S4
32	1440	44.03	29200	1.10		
37	1280	39.10	29200	1.25		
41	1150	34.96	28600	1.40		
45	1040	31.43	28000	1.55		
52	910	27.28	27200	1.75	S	87 D132S4
56	870	25.50	25200	1.45	SF	87 D132S4
67	730	21.43	24500	1.70	SA	87 D132S4
73	675	19.70	24100	1.85	SAF	87 D132S4
82	600	17.49	23500	2.1		
91	535	15.64	23000	2.3		
102	485	14.06	22500	2.6		
117	420	12.21	21800	3.0		
131	375	10.93	21200	3.3		
35	1320	41.07	7560	0.85	S	77 D132S4
40	1160	35.94	7750	0.95	SF	77 D132S4
44	1050	32.38	7850	1.05	SA	77 D132S4
					SAF	77 D132S4
50	920	28.41	7920	1.15		
57	820	25.07	7940	1.25		
64	725	22.22	7920	1.35		
78	625	18.42	5920	1.15		
82	590	17.45	6170	1.20	S	77 D132S4
94	520	15.28	6490	1.35	SF	77 D132S4
104	470	13.76	6510	1.50	SA	77 D132S4
118	410	12.07	6500	1.75	SAF	77 D132S4
134	365	10.65	6450	2.0		
151	325	9.44	6390	2.2		
177	275	8.06	6280	2.5		
130	370	11.03	2930	0.90	S	67 D132S4
143	340	10.03	3260	1.00	SF	67 D132S4
165	295	8.69	3670	1.15	SA	67 D132S4
189	255	7.56	3850	1.15	SAF	67 D132S4
7.5kW						
14	4160	105.71	32900	0.85		
16	3560	89.60	34100	0.90		
18	3130	78.26	34800	1.00		
20	3200	71.43	34600	1.05		
22	2630	65.45	35500	1.10		
24	2730	60.59	35300	1.20		
26	2520	55.79	35600	1.30	S	97 D132M4
29	2260	49.87	35900	1.45	SF	97 D132M4
32	2040	44.89	36100	1.60	SA	97 D132M4
35	1850	40.65	36300	1.80	SAF	97 D132M4
40	1650	36.05	36200	2.0		
44	1490	32.60	35500	2.2		
54	1240	26.39	32000	2.1		
61	1110	23.59	31400	2.3		
67	1000	21.23	30700	2.6		
74	910	19.23	30100	2.9		

输出转速 Output speed n_a [r/min]	输出转距 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
7.5KW						
32	1970	44.03	27800	0.80	S	87 D132M4
37	1750	39.10	27400	0.90	SF	87 D132M4
41	1570	34.96	27000	1.00	SA	87 D132M4
					SAF	87 D132M4
45	1420	31.43	26500	1.15		
52	1230	27.28	25900	1.30		
56	1180	25.50	23500	1.05		
67	1000	21.43	23000	1.25		
73	920	19.70	22700	1.35	S	87 D132M4
82	820	17.49	22300	1.50	SF	87 D132M4
91	730	15.64	21900	1.70	SA	87 D132M4
102	660	14.06	21500	1.90	SAF	87 D132M4
117	575	12.21	20900	2.2		
131	515	10.93	20500	2.4		
158	430	9.07	19700	2.7		
181	375	7.88	19100	2.7		
50	1260	28.41	6240	0.85	S	77 D132M4
57	1110	25.07	6450	0.90	SF	77 D132M4
64	990	22.22	6600	1.00	SA	77 D132M4
78	850	18.42	1860	0.85	SAF	77 D132M4
82	810	17.45	2290	0.90		
94	705	15.28	3250	1.00	S	77 D132M4
104	640	13.76	3890	1.10	SF	77 D132M4
118	560	12.07	4570	1.30	SA	77 D132M4
134	495	10.65	5110	1.45	SAF	77 D132M4
151	440	9.44	5540	1.65		
177	380	8.06	5580	1.80		
11.0KW						
26	3670	55.79	33800	0.90		
29	3290	49.87	34500	1.00		
32	2970	44.89	34800	1.10		
35	2700	40.65	34400	1.20		
40	2400	36.05	33800	1.40		
44	2170	32.60	33300	1.45	S	97 D160M4
55	1810	26.39	29400	1.45	SF	97 D160M4
61	1620	23.59	29000	1.60	SA	97 D160M4
68	1460	21.23	28600	1.80	SAF	97 D160M4
75	1320	19.23	28200	1.95		
84	1180	17.05	27600	2.2		
93	1070	15.42	27200	2.3		
110	900	13.07	26400	2.6		
126	790	11.41	25700	2.8		
53	1800	27.28	23700	0.90	S	87 D160M4
59	1610	24.43	23400	1.00	SF	87 D160M4
71	1340	20.27	22800	1.20	SA	87 D160M4
					SAF	87 D160M4

输出转速 Output speed n_a [r/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra} [N]	使用系数 Service factor f_B		机型号 Model
11.0KW						
73	1340	19.70	20400	0.95		
82	1190	17.49	20200	1.05		
92	1070	15.64	20000	1.15	S	87 D160M4
102	960	14.06	19800	1.30	SF	87 D160M4
118	840	12.21	19400	1.50	SA	87 D160M4
132	750	10.93	19100	1.65	SAF	87 D160M4
159	625	9.07	18600	1.85		
183	545	7.88	18100	1.85		
15.0KW						
					S	97 D160L4
33	4000	44.89	31400	0.85	SF	97 D160L4
36	3630	40.65	31300	0.90	SA	97 D160L4
41	3230	36.05	31000	1.00	SAF	97 D160L4
45	2920	32.60	30800	1.10		
55	2430	26.39	26400	1.05		
62	2180	23.59	26300	1.20		
69	1970	21.23	26200	1.30		
76	1780	19.23	26000	1.45	S	97 D160L4
86	1580	17.05	25700	1.60	SF	97 D160L4
95	1430	15.42	25400	1.70	SA	97 D160L4
112	1220	13.07	24800	1.90	SAF	97 D160L4
128	1060	11.41	24300	2.1		
153	890	9.55	23600	2.3		
177	775	8.26	22900	2.3		
93	1430	15.64	17900	0.85	S	87 D160L4
104	1290	14.06	17900	0.95	SF	87 D160L4
120	1120	12.21	17800	1.10	SA	87 D160L4
					SAF	87 D160L4
134	1010	10.93	17600	1.25	S	87 D160L4
161	840	9.07	17300	1.35	SF	87 D160L4
185	730	7.88	17000	1.40	SA	87 D160L4
					SAF	87 D160L4
18.5KW						
41	3970	36.05	28700	0.85		
45	3590	32.60	28600	0.90		
53	3060	27.63	28400	1.00		
61	2680	24.13	28100	1.05		
69	2420	21.23	24100	1.10	S	97 D180M4
76	2190	19.23	24100	1.20	SF	97 D180M4
86	1950	17.05	24000	1.30	SA	97 D180M4
95	1760	15.42	23900	1.40	SAF	97 D180M4
112	1500	13.07	23500	1.55		
128	1310	11.41	23200	1.70		
153	1100	9.55	22600	1.85		
177	950	8.26	22100	1.85		

S37..



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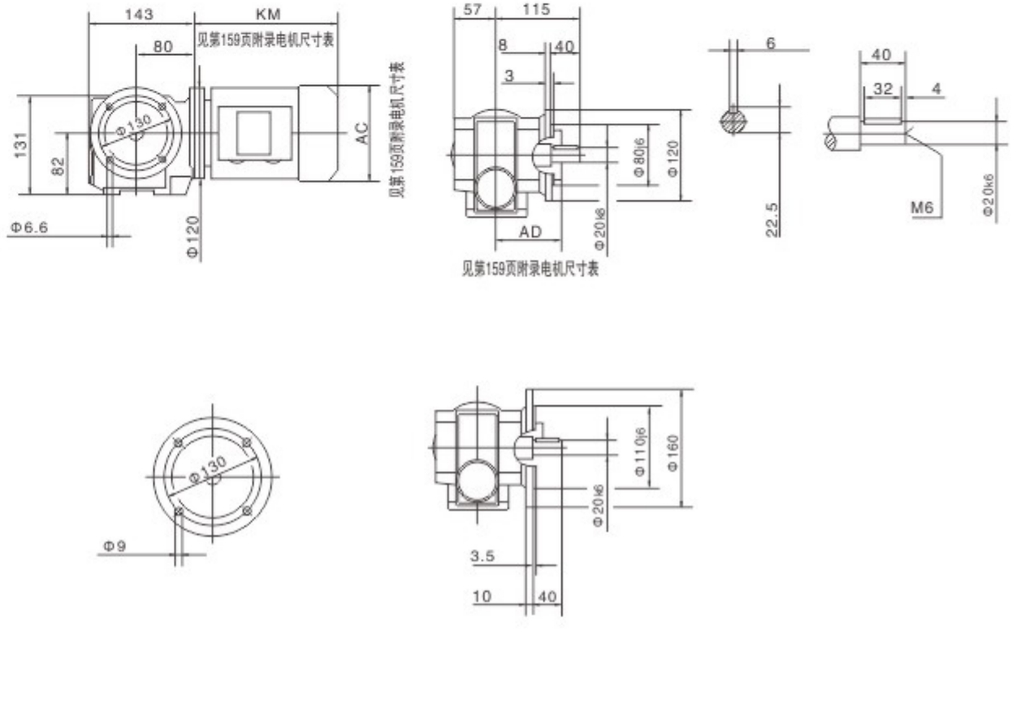

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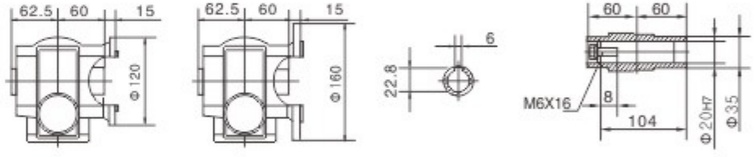
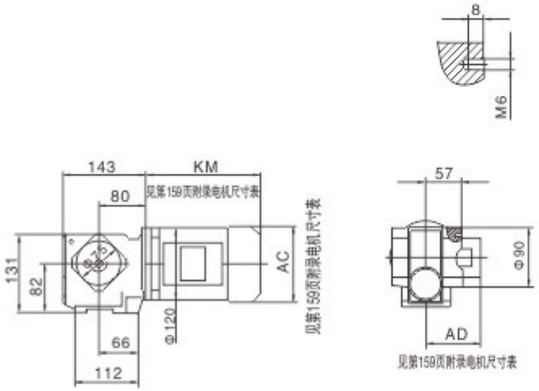
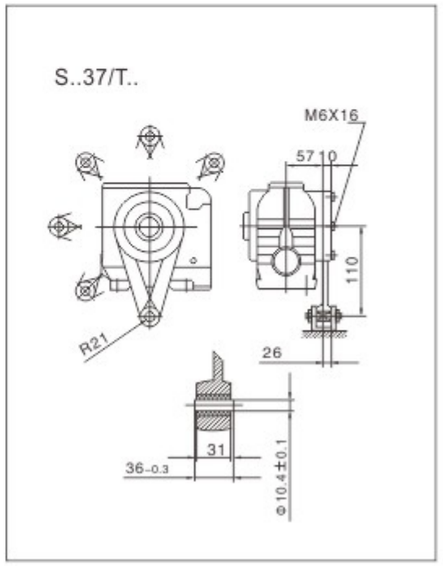
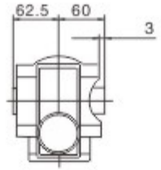
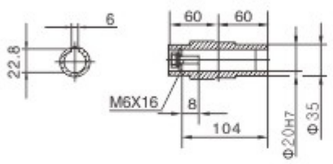
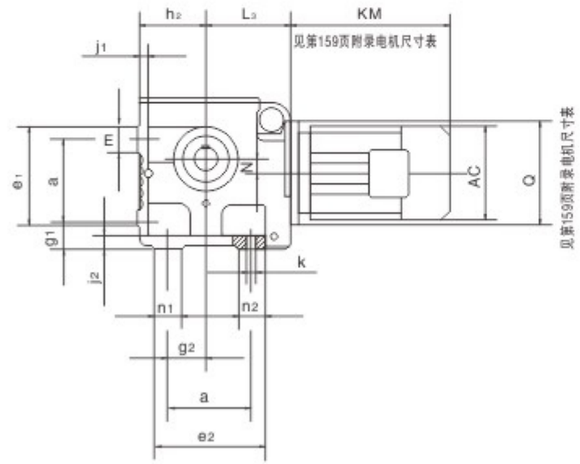


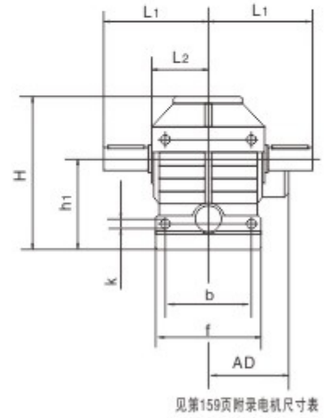


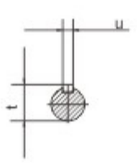


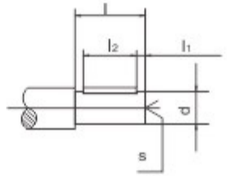






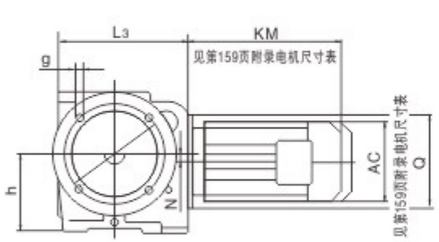


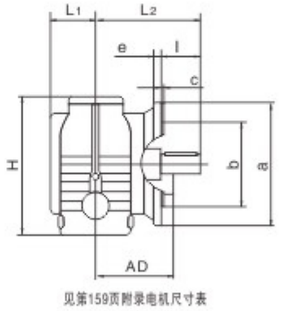




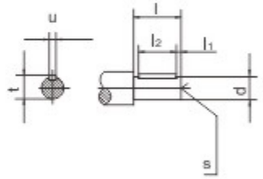
型号 Model	a b	e1 e2 f	g1 g2	h1 h2	j j k	m n1 n2	轴伸尺寸 Shaft dimension d l	 l1 l2	 s	 t u	L1 L2 L3	H	N Q
S47..	80 100	105 112 120	35 35	100-0.5 75-0.5	12 15 11	25 30 30	25k6 50	5 40	M10	28 8	115 60 96	165	8 120
S57..	100 110	130 130 136	35 45	112-0.5 80-0.5	12 15 11	30 30 30	30k6 60	3.5 50	M10	33 8	134 71 107	189	20 120
S67	130 130	170 175 160	40 60	140-0.5 106-0.5	15 20 13.5	40 45 45	35k6 70	7 56	M12	38 10	160 85.5 135	236	22 160
S77	135 150	177 204 185	70 75	180-0.5 125-0.5	25 25 17.5	42 50 69	45k6 90	5 80	M16	48.5 14	195 101 162	301	34 200
S87	180 200	230 247 250	82 92	225-0.5 150-0.5	30 30 22	50 60 67	60m6 120	5 110	M20	64 18	255 130 190	368	37.5 250
S97	235 250	295 320 300	90 115	280-1 180-0.5	35 35 26	60 80 85	70m6 140	7.5 125	M20	74.5 20	295 150 240	455	52 300

SF47..~SF97..

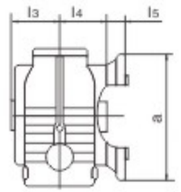




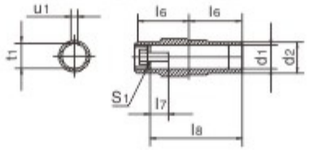
见第159页附录电机尺寸表



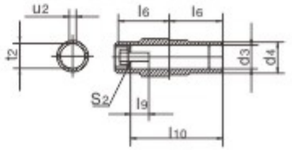
SAF47..~SAF97..



空心轴 I
Hollow shaft dimension

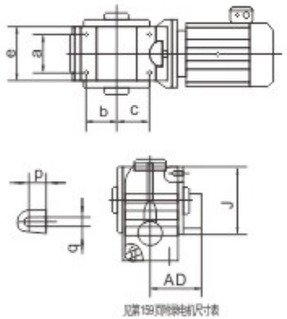


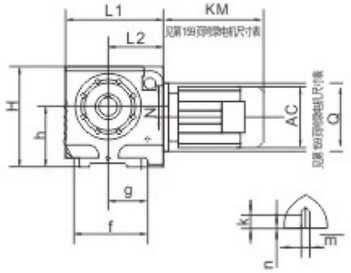
空心轴 II
Hollow shaft dimension

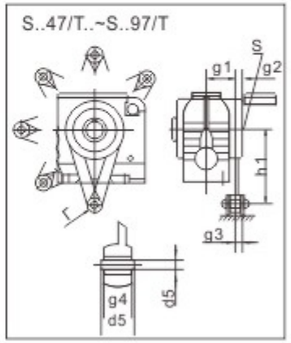


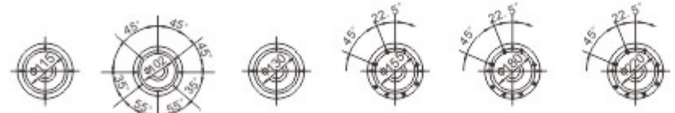
型号 Model	法兰型式 flange form	a b	c e	f g h	轴伸尺寸 Shaft dimension d l	 l_1 l_2	 s t u	空心轴 I 尺寸 Hollow shaft dimension d_1 d_2	 l_3 l_4 l_5	 l_6 l_7 l_8	 s t u	空心轴 II 尺寸 Hollow shaft dimension d_3 d_4	 l_9 l_{10}	 s_2 t_2 u_2	H	L_1 L_2 L_3	N Q
SF47.. SAF47..	Flg.1	160 110j6	3.5 10	130 9 100	25k6 50	5 40	M10 28 8	30^{H7} 45	63 60 24	60 17 105	M10X25 33.3 8	25^{H7} 45	17 105	M10X25 28.3 8	179	57.5 133.5 171	8 120
SF57.. SAF57..	Flg.1	200 130j6	3.5 12	165 11 112	30k6 60	3.5 50	M10 33 8	35^{H7} 50	78 75 25	75 22 132	M12X30 38.3 10	30^{H7} 50	17 132	M10X25 33.3 8	189	72 160 187	20 120
SF67.. SAF67..	Flg.1	200 130j6	3.5 12	165 11 140	35k6 70	7 56	M12 38 10	45^{H7} 65	87 84 42.5	84 29 144	M16X40 48.8 14	40^{H7} 65	29 144	M16X40 43.3 12	236	80.5 190 242	22 160
SF77.. SAF77..	Flg.1	250 180j6	4 15	215 13.5 180	45k6 90	5 80	M16 48.5 14	60^{H7} 80	108 105 45.5	105 37 180	M20X50 64.4 18	50^{H7} 80	32 183	M16X45 53.8 14	301	121 232 287	34 200
SA87.. SAF87..	Flg.1	350 250h6	5 18	300 17.5 225	60m6 120	5 110	M20 64 18	70^{H7} 95	128 125 52.5	125 34 220	M20X50 74.9 20	60^{H7} 95	36 220	M20X50 64.4 18	368	145 290 340	37.5 250
SA97.. SAF97..	Flg.2	450 350h6	5 22	400 17.5 280	70m6 140	7.5 125	M20 74.5 20	90^{H7} 120	149 145 60	145 41 255	M24X60 95.4 25	70^{H7} 120	34 260	M20X50 74.9 20	455	165 340 420	52 300

SA47..~SA97..

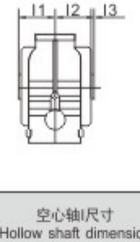




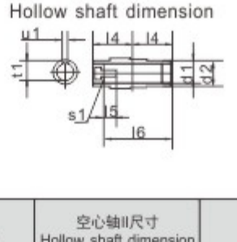




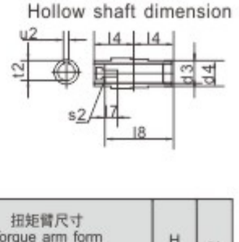
SA47.. SA57.. SA67.. SA77.. SA87.. SA97..



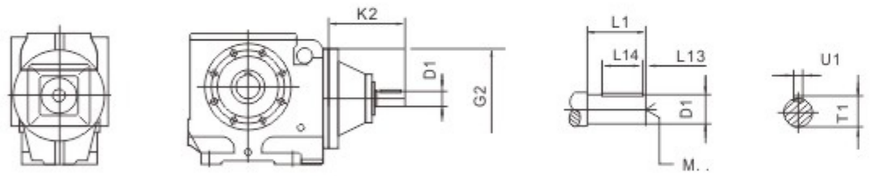
空心轴 I
Hollow shaft dimension



空心轴 II
Hollow shaft dimension



型号 Model	a b c	e f g	h	k m h	p q	空心轴 I 尺寸 Hollow shaft dimension d_1 d_2	 l_1 l_2 l_3	 l_4 l_5 l_6	 s_1 t_1 u_1	空心轴 II 尺寸 Hollow shaft dimension d_3 d_4	 l_7 l_8	 s_2 t_2 u_2	扭矩臂尺寸 Torque arm form g_1 g_2 g_3	 g_4 g_5 h_1	 d_5 r s_3	H L_1 L_2	N Q
SA47.. S..47/T..	60 35 52	94 127 67	100	20 M10 4	12 M8	30^{H7} 45	63 60 2.5	60 17 105	M10×25 33.3 8	25^{H7} 45	17 105	M10×25 28.3 8	57.5 15 20.5	31 $36^{-0.3}$ 130	$10.4^{\pm 0.1}$ 21 M8×25	179 171 96	8 120
SA57.. S..57/T..	60 58.5 58.5	100 146 73	112	20 M10 4	12 M8	35^{H7} 50	78 75 3	75 22 132	M12×30 38.3 10	30^{H7} 50	17 132	M10×25 33.3 8	72 15 18.5	31 $36^{-0.3}$ 160	$10.4^{\pm 0.1}$ 21 M8×25	189 187 107	20 120
SA67.. S..67/T..	88 71.5 80.5	128 182 95.5	140	25 M12 5	20 M12	45^{H7} 65	87 84 3.5	84 29 144	M16×40 48.8 14	40^{H7} 65	29 144	M16×40 43.3 12	80.5 18 19.5	31 $36^{-0.3}$ 200	$10.4^{\pm 0.1}$ 21 M12×35	236 242 135	22 160
SA77.. S..77/T..	102 85 85	154 204 104	180	32 M16 6	20 M12	60^{H7} 80	108 105 4	105 37 180	M20×50 64.4 18	50^{H7} 80	32 183	M16×45 53.8 14	101 18 32.5	54 $60^{-0.3}$ 250	$16.4^{\pm 0.08}$ 30 M12×35	301 287 162	34 200
SA87.. S..87/T..	118 115 110	194 260 125	225	32 M16 6	26 M16	70^{H7} 95	128 125 5	125 34 220	M20×50 74.9 20	60^{H7} 95	36 220	M20×50 64.4 18	120 24 25.5	54 $60^{-0.3}$ 310	$16.4^{\pm 0.08}$ 30 M16×45	368 340 190	37.5 250
SA97.. S..97/T..	160 135 113	236 301 140	280	36 M20 6	26 M16	90^{H7} 120	149 145 5	145 41 255	M24×60 95.4 25	70^{H7} 120	34 260	M20×50 74.9 20	140 26 33	72 $80^{-0.5}$ 380	$25^{\pm 0.08}$ 40 M16×50	455 420 240	52 300



		G2	K2	D1	L1	L13	L14	T1	U1	M
S..37 S..47 S..57	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
S..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
S..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
S..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
S..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16

Fig.1 Fig.2

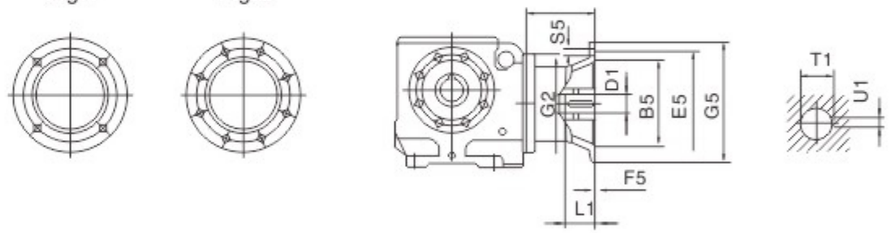
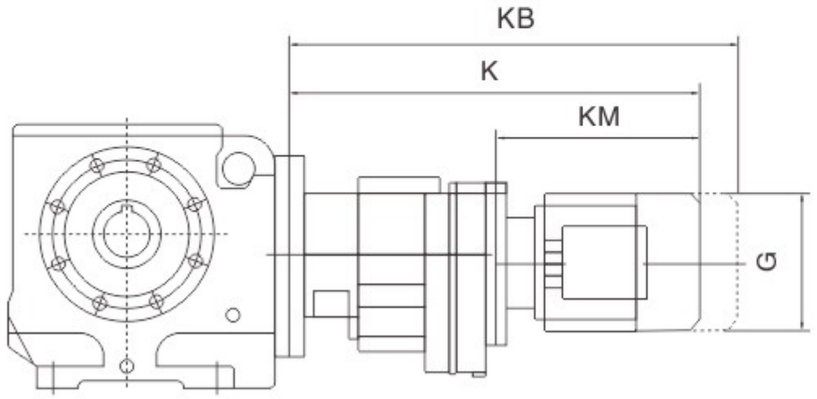


		Fig1	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
S..37 S..47 S..57	Am63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71*		110	130			160			14	30	16.3	5
	AM80*		130	165	4.5		200	M10	106	19	40	21.8	6
	AM90*									24	50	27.3	8
S..67	Am63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	Am71		110	130			160			14	30	16.3	5
	Am80		130	165	4.5		200	M10	99	19	40	21.8	6
	Am90									24	50	27.3	8
	AM100*		180	215	5		250	M12	134	28	60	31.3	8
	AM112*												
S..77	Am63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	Am71		110	130			160			14	30	16.3	5
	Am80		130	165	4.5		200	M10	92	19	40	21.8	6
	Am90									24	50	27.3	8
	AM100*		180	215	5		250	M12	126	28	60	31.3	8
	AM112*												
	AM132S*		230	265			300		179	38	80	41.3	10
	AM132M*												
	AM132ML*												
S..87	Am80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6
	Am90									24	50	27.3	8
	Am100		180	215	5		250	M12	121	28	60	31.3	8
	Am112												
	Am132MS		230	265			300		172	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160*		250	300	6		350	M16	232	42	110	45.3	12
	AM180*									48		51.8	14
S..97	Am100	1	180	215	5	300	250	M12	116	28	60	31.3	8
	Am112												
	AM132S		230	265			300		169	38	80	41.3	10
	AM132M												
	AM132ML												
	Am160		250	300	6		350	M16	227	42	110	45.3	12
	Am180									48		51.8	14

1）如果安装在S系列脚安装方式的减速机上，请检查尺寸G5/2，它可能已突出安装平面

Dimension G5/2 May protrude past toot mounting surface if mounted on BS foot-mounted gear unit, please check.



		G	K	KB	KM
S..67R37	D63	155	410	457	235
	D71D	155	401	465	236
	D80	155	451	515	286
	D90	210	1451	536	286
S..77R37	D63	155	392	449	235
	D71D	155	393	457	236
	D80	155	443	507	286
	D90	210	443	528	286
S..87R57	D63	210	445	502	229
	D71D	210	445	509	229
	D80	155	495	559	279
	D90	155	495	580	279
	D100M	155	545	630	329
	D100L	155	565	650	349
S..97R57	D63	155	440	497	229
	D71D	155	440	504	229
	D80	155	490	554	279
	D90	210	510	595	299
	D100M	210	540	625	329
	D100L	210	560	645	349
	D112M	240	575	655	364

注：上表中电机尺寸为参考尺寸，因空间限制对电机尺寸有严格要求时请向我公司咨询。

Notes: The dimension of motor in the above table is only reference. If you have special requirement, please consult us.

9. 设计和装配注意事项
Important notes of design and mounting

9.1 拆装单键空心轴减速机
9.1 Installation / removal of gear units with hollow shafts and keys

重要提示
Installation

・在装配过程中一定要实用所共用的润滑剂。它的作用是防止接触腐蚀和便于拆卸。
Always ues the supplied NOCO Fluid paste during the assembly procedure.It avoids contact corrosion and easy for disassembly.
・键的尺寸X是由用户确定，但X必须>Dk。
The Key dimension X is defined by the customer，howeverXmust be>Dk.

安装
Customer shaft

推荐两种方法将用户轴安装到单键空心轴上。
recommends two methods for mounting gear unit with hollow shafts and keys onto the input shaft of the driven machine(=customer shaft):

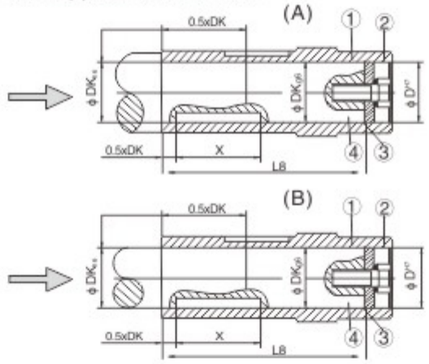
1. 用户提供的固定件进行装配
Install with supplied fastening elements
2. 用可选件:装卸工具进行装配
Install using the optional installation/removal kit

9.1.1 提供的固定件
9.1.1 fastening elements

标准产品提供下列固定件:
The following fastening elements are supplied as standard:

・带垫片的紧固螺栓
Retaining screw with washer ①

・孔用挡圈
Circlip ②



带轴肩的用户轴
用户轴的安装长度必须为L8−1(mm)(图)
Installation length of customer shaft with contact shoulde (A) must be L8−1mm
用户轴不带轴肩
安装长度必须等于L8(图)
Installation length of customer shaft with contact shoulde(B)must equal to L8
紧固螺栓要拧紧到MS所示拧紧矩值
The retaining screw②must be tightened to the retaining torque MS listed in the following table

① 空心轴 Hollow shaft
② 带垫片的紧固螺栓 Retaining screw with washer
③ 孔用挡圈 Circlip
④ 用户轴 Customer shaft

图: 空心轴组装示意图(带肩轴的用户轴)
Fig: Customer shaft with contact shoulder(A)and without contact shoulder(B)

减速器型号 Gear unit type	D^{H7}[mm]	DK[MM]	L8[MM]	MS[Nm]
SA..37	20	20	84, 106, 104	8
SA..47	25	25	105	20
FA..37,KA..37,SA..47,SA..57	30	30	105 132	20
FA..47,KA..47,SA..57	35	35	132	20
FA..57,KA..57 FA..67,KA..67 SA..67	40	40	142 156 144	40
SA..67	45	45	144	40
FA..77,KA..77,SA..77	50	50	183	40
FA..87,KA..87 SA..77,SA..87	60	60	210 180,220	80
FA..97,KA..97 SA..87,SA..97	70	70	270 220,260	80
FA..107,KA..107,SA..97	90	90	313,313,255	200

9.1.2 拆装工具
9.1.2 installation/removal kit

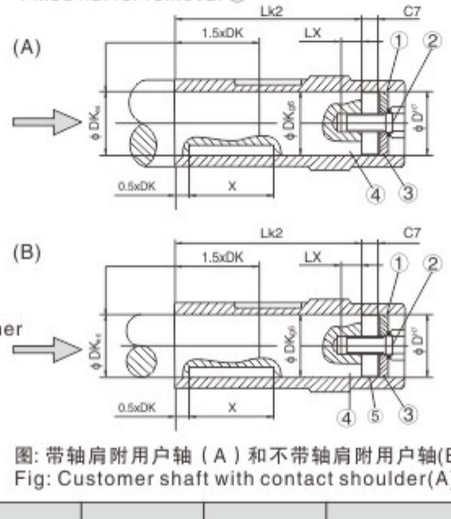
可使用的选件：拆装工具进行装配。可以通过表中给出的零件号订购减速机的拆装工具。拆装工具包含以下零件：

- 对没有轴肩的用户轴装配所用的轴套
- 拆卸用的压盘
- 装配用的紧固螺栓
- 拆卸用的锁母

You can use the optional installation/removal kit for installation. The kit can be ordered for the specific gear unit types by quoting the part numbers in the table below.
The accesseriyes of the tools includorg:
–Distance piece for installation without contact shoulder⑤
–Retaining screw for installation ②
–Removal washer for installation ⑦
–Fixed nut for removal ⑧

①空心轴
②带垫片的紧固螺栓
③ 孔用挡圈
④用户轴
⑤轴套

①hollow shaft
②Retaining screw with washer
③Chirclip
④Customer shaft
⑤Distance piece



带轴肩的用户轴
安装长度LK2【→图A】不使用轴套
The installation length of the customer shaft must beLK2.
The distance piece must not be used if the customer shaft does have a contact shoulder(A).

不带轴肩的用户轴
安装长度LK2【→图B】轴套必须使用
The installation length of the customer shaft must be LK2.
The distance piece must not be used if the customer shaft does have a contact shoulder(B)

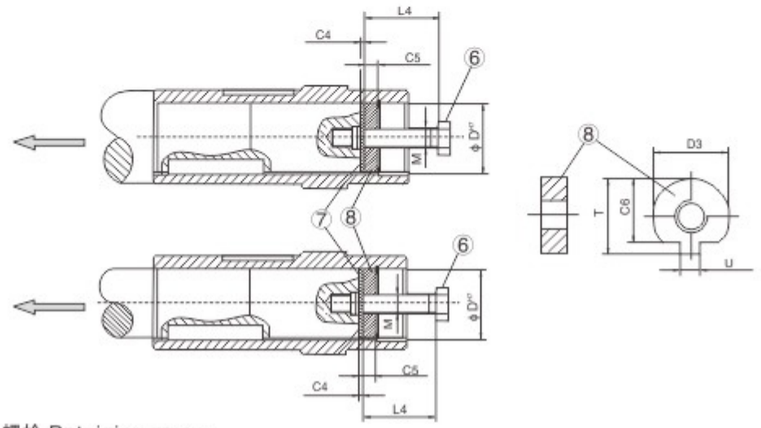
图: 带轴肩附用户轴（A）和不带轴肩附用户轴(B)
Fig: Customer shaft with contact shoulder(A)andwithout contact shoulder (B)

减速器型号 Gear unit type	D^{H7}[mm]	DK[MM]	LK2[mm]	LX^{+2}[MM]	C7[Nm]	MS[Nm]
SA..37	20	20	92	16	12	8
SA..47	25	25	89	22	16	20
FA..37,KA..37,SA..47 SA..57	30	30	89 89,116	22	16	20
FA..47,KA..47,SA..57	35	35	114	28	18	20
FA..57,KA..57 FA..67,KA..67 SA..67	40	40	124 138,138,126	36	18	40
SA..67	45	45	126	36	18	40
FA..77,KA..77,SA..77			165	36	18	40
FA..87,KA..87 SA..77,SA..87	60	60	188 158,198	42	22	80
FA..97,KA..97 SA..87,SA..97	70	70	248 198,238	42	22	80
FA..107,KA..107,SA..97	90	90	287 229	50	26	200

拆卸 Removal

用的拆装工具进行装配，须按以下步骤进行拆卸
1.拆下紧固螺旋⑥
2.拆下挡圈③,若使用了轴套⑤也一并拆下
3.在用户轴④和挡圈③之间按图13装上压盘⑦和锁母⑧
4.重新装上挡圈③
5.重新装上紧固螺栓⑥
这样就可以把轴拆下来。

Applies prior installation with the installation/removal kit only.
Proceed as follows for removal:
1.Remone the retaining screw⑥
2.Remove the Circlio ③ and if used, the distance piece⑤
3.Insed the removal washer ⑦ and the fixed nut ⑧ between the customer shaft ④ and circlip ③ according to Fig.
4.Re–insert the circlip ③.
5.Re–insert the retaining screw ⑥. You can now push the gear unit off the shaft.



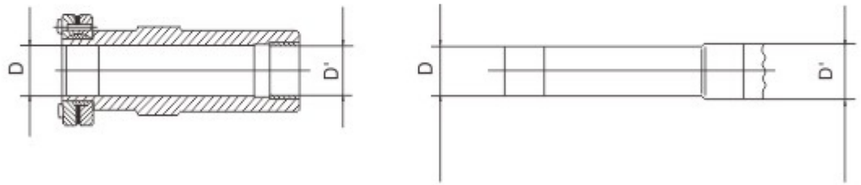
⑥ 螺栓 Retaining screw
⑦ 压盘 Removal washer
⑧ 拆卸用锁母 Fixed nut for removal

图: 空心轴拆卸示意图
Fig. Removal

型号 Model	D^{H7} [mm]	M	C4 [mm]	C5 [mm]	C6 [mm]	$U^{-0.5}$ [mm]	$T3^{-0.5}$ [mm]	$D^{-0.5L4}$ [mm]	拆装工具零件号 Installation/ removalkit partnumber
SA..37	20	M6	5	6	15.5	5.5	22.5	19.7	25
SA..47	25	M10	5	10	20	7.5	28	24.7	35
FA..37,KA..37,SA..57	30	M10	5	10	25	7.5	33	29.7	35
FA..47,SA..57	35	M12	5	12	29	9.5	38	34.7	45
FA..57,KA..57,FA..67,KA..67,SA..67	40	M16	5	12	34	11.5	41.9	39.7	50
SA..67	45	M16	5	12	38.5	13.5	48.5	44.9	50
FA..77,KA..77,SA..77	50	M16	5	12	43.5	13.5	53.5	49.7	50
FA..87,KA..87,SA..77,SA..87	60	M20	5	16	56	17.5	64	59.7	60
FA..97,KA..97SA..97	70	M20	5	16	65.5	19.5	74.5	69.7	60
FA..107,KA..107,SA..97	90	M24	5	20	80	24.5	95	89.7	70

9.2 带轴阶的空心轴和锁紧盘选件
9.2 Shouldered hollow shaft with shrink disk(option)

带空心轴锁紧盘的减速机(FH/FHF/FHZ37-157)　平行轴减速机KH/KHF/KHZ37-157　斜齿轮-锥齿轮减速机和BSH/SHF47-97斜齿轮蜗轮蜗杆减速机)，可提供较大的轴孔直径D'作为选件
D=D'为标准产品
Gear units with a hollow shaft and shrink disk (parallel shaft helical gear units H/FHF/SH/SHF47-97) can be supplied with an optional larger hole diameter D'
The standard is D'=D.



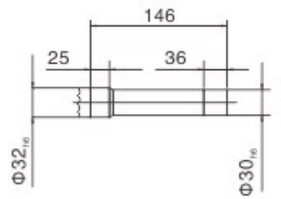
图：选件轴孔直径D'
Fig: Optional hole diameter D'

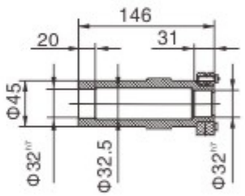
减速器型号 Gear unit size	孔径 D/D' Hole diametier
FH/FHF/FHZ37,KH/KHF/KHZ37,SH/SHF/SHZ47	30/32
FH/FHF/FHZ47,KH/KHF/KHZ47,SH/SHF/SHZ57	35/35
FH/FHF/FHZ57,KH/KHF/KHZ57	40/42
FH/FHF/FHZ67,KH/KHF/KHZ67,SH/SHF/SHZ67	40/42
FH/FHF/FHZ77,KH/KHF/KHZ77,SH/SHF/SHZ77	50/52
FH/FHF/FHZ87,KH/KHF/KHZ87,SH/SHF/SHZ87	65/66
FH/FHF/FHZ97,KH/KHF/KHZ97,SH/SHF/SHZ97	75/76
FH/FHF/FHZ107,KH/KHF/KHZ107	95/96

定购带轴阶的空心轴减速机(可选轴孔直径D')必须注明D/D'尺寸。
例如: FH37　D80N4 30/32
Diameter D/D' must be specified when ordering gear units with a shouldered hollow shaft (optional bole diameter D').

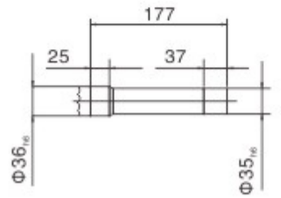
带轴阶空心轴和锁紧盘的平行轴减速电机
Parallelshaft helical gear unit with shouldered hollow shaft

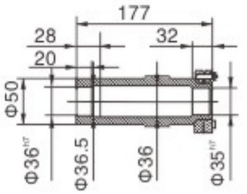
FH/FHF/FHZ37
Φ30H7 Φ32H7



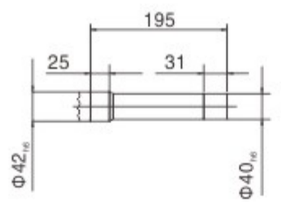


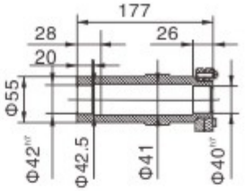
FH/FHF/FHZ47
Φ35H7 Φ36H7



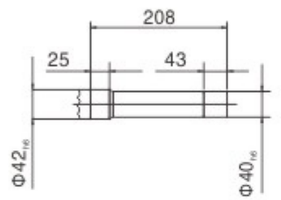


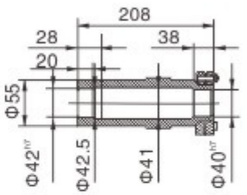
FH/FHF/FHZ57
Φ40H7 Φ42H7



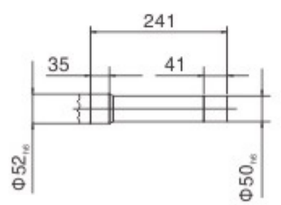


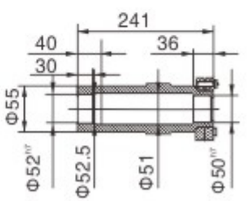
FH/FHF/FHZ67
Φ40H7 Φ42H7

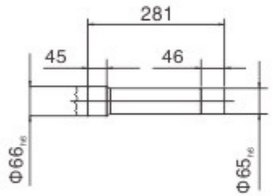




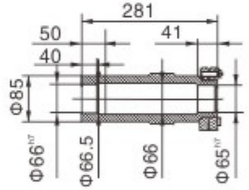
FH/FHF/FHZ77
Φ50H7 Φ52H7

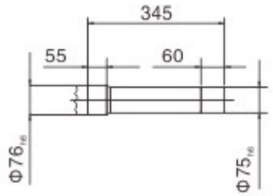




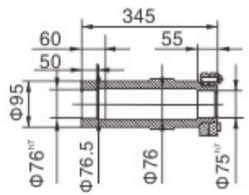


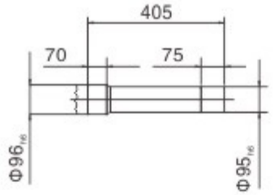
FH/FHF/FHZ87
Φ65^{H7} Φ66^{H7}



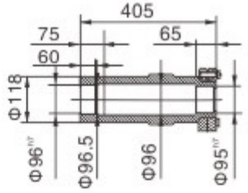


FH/FHF/FHZ97
Φ75^{H7} Φ76^{H7}

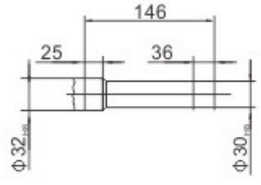




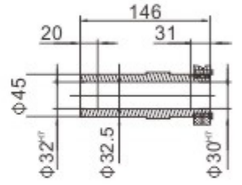
FH/FHF/FHZ107
Φ95^{H7} Φ96^{H7}

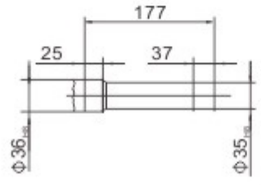


带轴阶空心轴和锁紧盘的斜齿轮——锥齿轮减速电机
Helical-bevel gear unit with shouldered hollow shaft

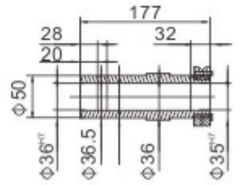


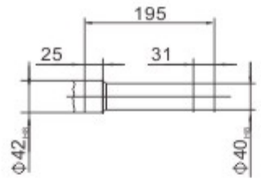
KH/KHF/KHZ37
Φ30^{H7} Φ32^{H7}



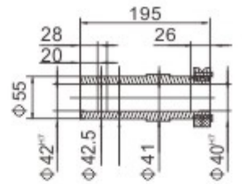


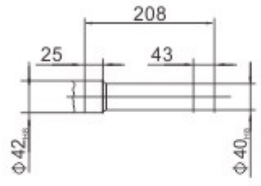
KH/KHF/KHZ47
Φ35^{H7} Φ36^{H7}



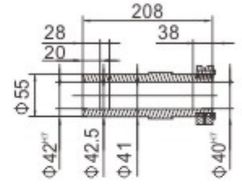


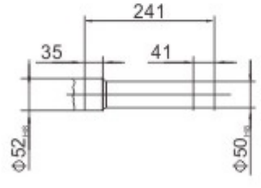
KH/KHF/KHZ57
Φ40^{H7} Φ42^{H7}



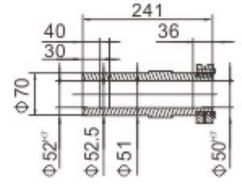


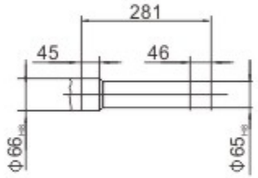
KH/KHF/KHZ67
Φ40^{H7} Φ42^{H7}



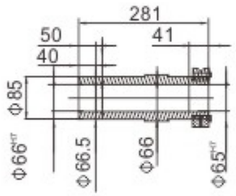


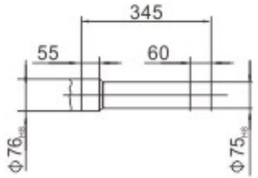
KH/KHF/KHZ77
Φ50^{H7} Φ52^{H7}



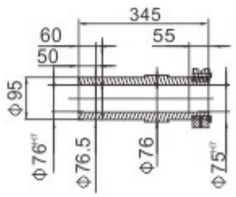


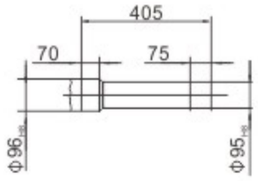
KH/KHF/KHZ87
Φ65^{H7} Φ66^{H7}



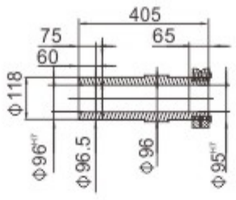


KH/KHF/KHZ97
Φ75^{H7} Φ76^{H7}

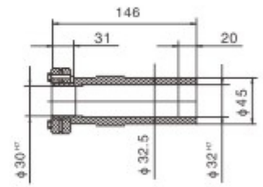




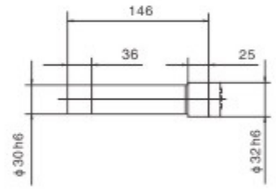
KH/KHF/KHZ107
Φ95^{H7} Φ96^{H7}

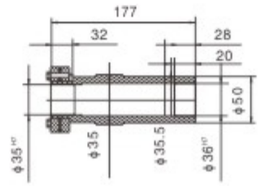


带轴阶空心轴和锁紧盘的斜齿轮—蜗杆减速电机
Helical – worm gear unit with shouldered hollow shaft

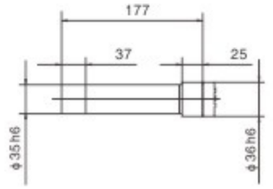


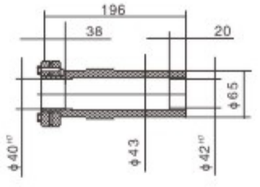
SH/SHF/SHZ47
ϕ30^{H7}/ϕ32^{H7}



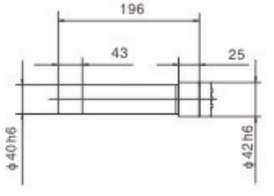


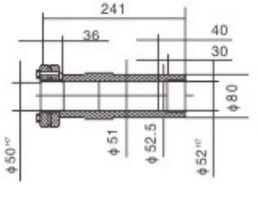
SH/SHF/SHZ57
ϕ35^{H7}/ϕ36^{H7}



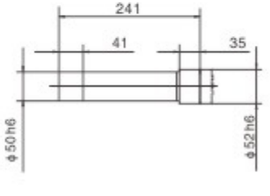


SH/SHF/SHZ67
ϕ40^{H7}/ϕ42^{H7}



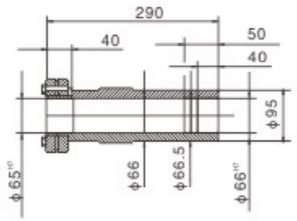


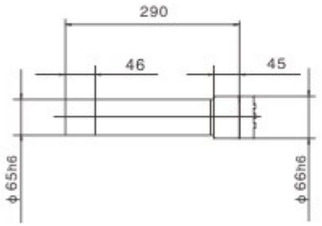
SH/SHF/SHZ77
ϕ50^{H7}/ϕ52^{H7}



SH/SHF/SHZ87

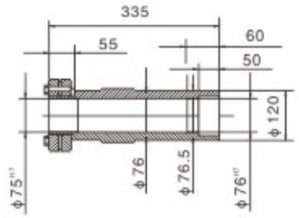
$\phi 65^{H7}/\phi 66^{H7}$

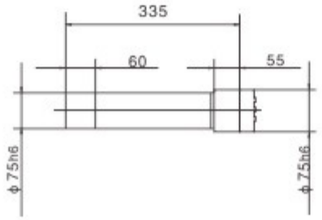




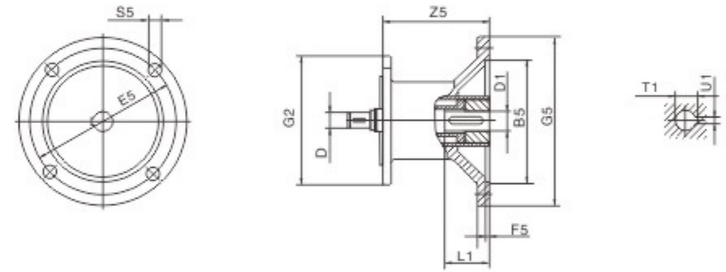
SH/SHF/SHZ87

$\phi 75^{H7}/\phi 76^{H7}$





9.3 用于安装 IEC 标准电机的联轴器
9.3 Coupling for mounting of IEC motors



减速箱规格 Gear unit type	联轴器规格 Coupling type	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
R..37,R..47 F..37,F..47 K..37 S..37,S..47,S..57	AM63	95	10	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71[1]	110		130			160			14	30	16.3	5
	AM80[1]	130	12	165	4.5		200	M10	106	19	40	21.8	6
	AM90[1]		14							24	50	27.3	8
R..47,R..57,R..67 F..57,F..67 K..47,K..57,K..67 S..67	AM63	95	10	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71	110		130			160			14	30	16.3	5
	AM80	130	12	165	4.5		200	M10	99	19	40	21.8	6
	AM90		14							24	50	27.3	8
	AM100[1]	180	16	215	5		250	M12	134	28	60	31.3	8
	AM112[1]		18										
R..77 F..77 K..77 S..77	AM63	95	10	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71	110		130			160			14	30	16.3	5
	AM80	130	12	165	4.5		200	M10	92	19	40	21.8	6
	AM90		14							24	50	27.3	8
	AM100[1]	180	16	215	5		250	M12	126	28	60	31.3	8
	AM112[1]		18										
	AM132S[1] AM132M[1]	230	22	265			300		179	38	80	41.3	10
	AM132ML[1]		28										
R..87 F..87 K..87 S..87	AM80	130	12	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90		14							24	50	27.3	8
	AM100	180	16	215	5		250	M12	121	28	60	31.3	8
	AM112		18										
	AM132S AM132M	230	22	265			300		174	38	80	41.3	10
	AM132ML		28										
	AM160[1]	250	28	300	6		350	M16	232	42	110	45.3	12
	AM180[1]		32							48		51.8	14

Fig.1

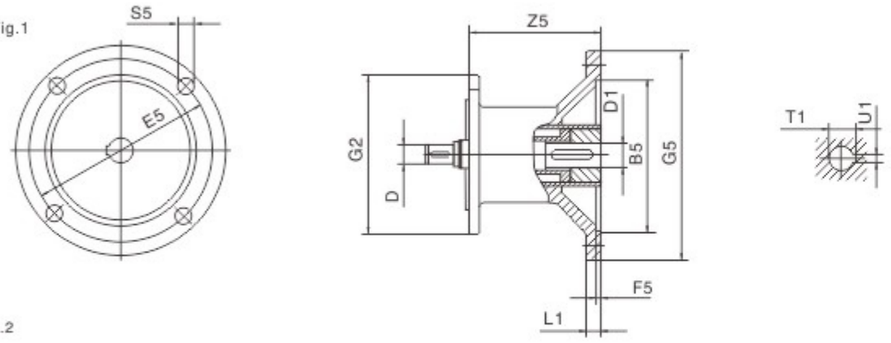
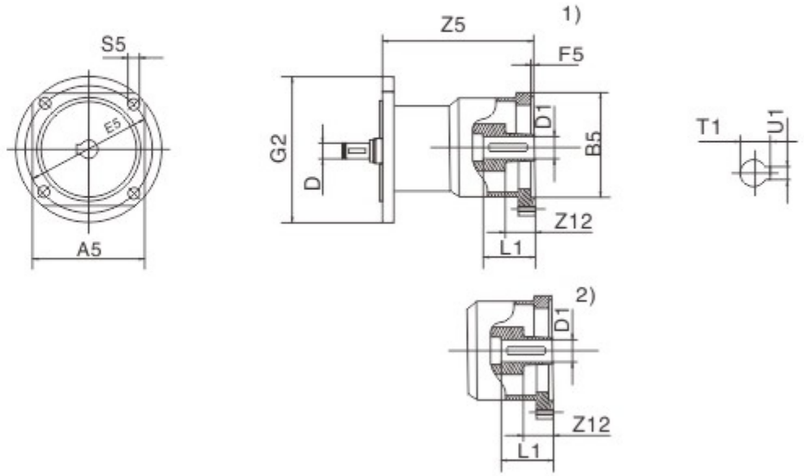


Fig.2

减速箱规格 Gear unit type	联轴器规格 Coupling type	Fig.	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
R..97 F..97 K..97 S..97	AM100	1	180	16	215	5	300	250	M12	116	28	60	31.3	8
	AM112			18										
	AM132S AM132M		230	22	265			300		169	38	80	41.3	10
	AM132ML			28										
	AM160		250	28	300	6		350	M16	227	42	110	45.3	12
	AM180			32							48		51.8	14
R..107 F..107 K..107	AM100	1	180	16	215	5	350	250	M12	110	28	60	31.3	8
	AM112			18										
	AM132S AM132M		230	22	265			300		163	38	80	41.3	10
	AM132ML			28										
	AM160		250	28	300	6		350	M16	221	42	110	45.3	12
	AM180			32							48		51.8	14

1) 如果安装在R、K和S系列脚底安装方式的减速机上，请检查尺寸G5/2，它可能已突出安装平面。
Dimension 1/2 G5 may protrude past foot mounting surface if mounted on P.K or S foot-mounted gear unit, Please check.

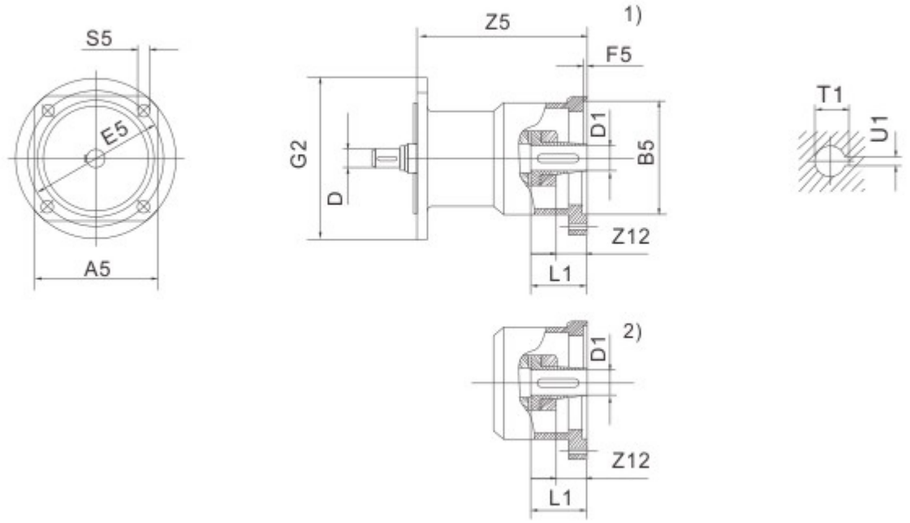
9.4 用于安装伺服电机的联轴器
9.4 Adapter for mounting of servomotors



减速机规格 Gear unit type	联接盘规格 Motor adcopator	A5	B5	D	E5	F5	G2	S5	Z5	Z12[1]	Z12[2]	D1	L1	T1[1]	U1[1]
R..37 F..37 F..47 F..37 S..37 S..47 S..57	AQ..80/1	82	60	10 12	75	3	120	M5	104.5	5.5	5.5	11	23	12.8	4
	AQ..80/2											14	30	16.3	5
	AQ..80/3		50		95			M6							
	AQ..100/1	100	80	10 12 14 16	100	4		M6	129.5	-	-	14	30	16.3	5
	AQ..100/2		95		115			M8							
	AQ..100/3		80		100			M6	143.5	7	14	19	40	21.8	6
	AQ..100/4		95		115			M8							
	AQ..115/1	115	95		130			M8	152.5	16	23	19	40	21.8	6
	AQ..115/2		110												
	AQ..115/3									21	16	24	50	27.3	8
R..47 R..57 R..67 F..57 F..67 F..47 F..57 F..67 S..67	AQ..80/1	82	60	10 12	75	3	160	M5	98	5.5	5.5	11	23	12.8	4
	AQ..80/2											14	30	16.3	5
	AQ..80/3		50		95			M6							
	AQ..100/1	100	80	10 12 14 16	100	4		M6	122.5	-	-	14	30	16.3	5
	AQ..100/2		95		115			M8							
	AQ..100/3		80		100			M6	136.5	7	14	19	40	21.8	6
	AQ..100/4		95		115			M8							
	AQ..115/1	115	95		130			M8	145.5	16	23	19	40	21.8	6
	AQ..115/2		110												
	AQ..115/3									21	16	24	50	27.3	8
	AQ..140/1	140	110	16	165	5		M10	175	21	16	24	50	27.3	8
	AQ..140/2		130	18											
	AQ..140/3			22					188	24	22	32	60	35.5	10

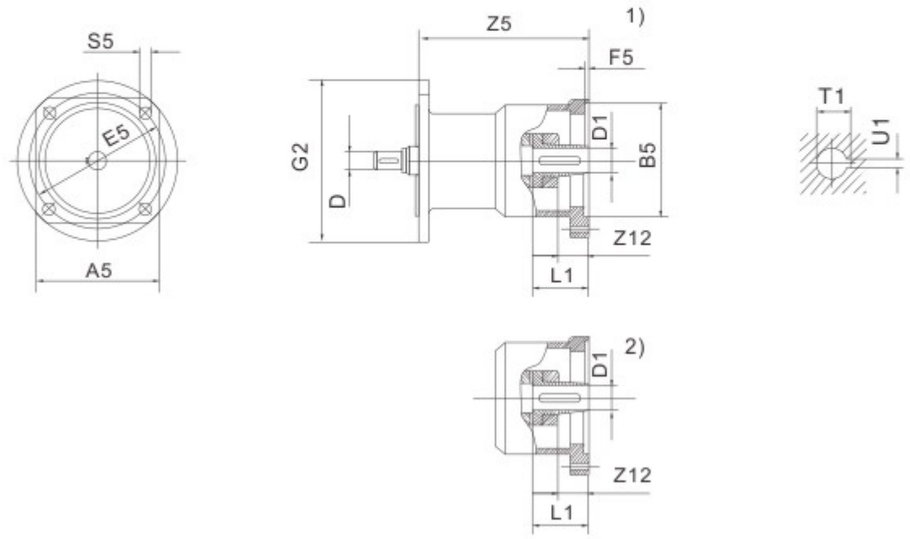
1)适用于键连接（AQA..）
2)适用于锁紧套连接(AQH..)

1）Applies to type with key way (AQA..)
2）Applies to type with clamping ring hub(AQH..)



减速机规格 Gear unit type	联轴器规格 Coupling type	A5	B5	D	E5	F5	G2	S5	Z5	Z12[1]	Z12[2]	D1	L1	T1[1]	U1[1]
R..77 F..77 K..77 S..77	AQ..80/1	82	60	10 12	75	3	200	M5	92	5.5	5.5	11	23	12.8	4
	AQ..80/2				75							14	30	16.3	5
	AQ..80/3		50		95			M6							
	AQ..100/1	100	80	10 12 14 16	100	4		M6	115.5	-	-	14	30	16.3	5
	AQ..100/2		95		115			M8							
	AQ..100/3		80		100			M6	129.5	7	14	19	40	21.8	6
	AQ..100/4		95		115			M8							
	AQ..115/1	115	95		130			M8	138.5	16	23	19	40	21.8	6
	AQ..115/2		110							21	16	24	50	27.3	8
	AQ..115/3														
	AQ..140/1	140	110	16 18 22	165	5		M10	167	21	16	24	50	27.3	8
	AQ..140/2		130						180	24	22	32	60	35.3	10
	AQ..140/3														
	AQ..190/1	190	130	22 28	215			M12	225.5	26	24	32	60	35.3	10
	AQ..190/2		180						249.5	39	34	38	80	41.3	10
	AQ..190/3														
R..87 F..87 K..87 S..87	AQ..100/1	100	80	12 14 16	100	4	250	M6	110.5	-	-	14	30	16.3	5
	AQ..100/2		95		115			M8							
	AQ..100/3		80		100			M6	124.5	7	14	19	40	21.8	6
	AQ..100/4		95		115			M8							
	AQ..115/1	115	95		130			M8	133.5	16	23	19	40	21.8	6
	AQ..115/2		110							21	16	24	50	27.3	8
	AQ..115/3														
	AQ..140/1	140	110	16 18 22	165	5		M10	162	21	16	24	50	27.3	8
	AQ..140/2		130						175	24	22	32	60	35.3	10
	AQ..140/3														
	AQ..190/1	190	130	22 28	215			M12	220.5	26	24	32	60	35.3	10
	AQ..190/2		180						244.5	39	34	38	80	41.3	10
	AQ..190/3														

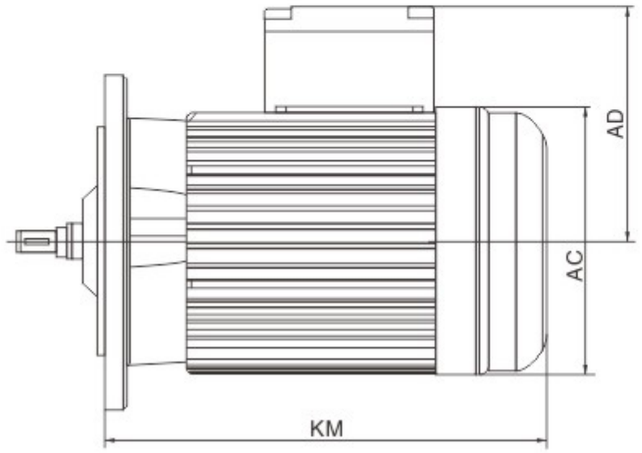
1) 适用于键连接(AQA..)　　1) Applies to type with key way (AQA..)
2)适用于锁紧套连接(AQH..)　2) Applies to type with clamping ring hub (AQH..)



减速机规格 Gear unit type	联轴器规格 Coupling type	A5	B5	D	E5	F5	G2	S5	Z5	Z12[1]	Z12[2]	D1	L1	T1	U1
R..97 F..97 K..97 S..97	AQ..140/1	140	110	16 18 22	165	5	300	M10	157	21	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								170	24	22	32	60	35.3	10
	AQ..190/1	190	130	22 28	215			M12	215.5	26	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								239.5	39	34	38	80	41.3	
R..107 F..107 K..107	AQ..140/1	140	110	16 18 22	165		350	M10	151	21	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								164	24	22	32	60	35.3	10
	AQ..190/1	190	130	22 28	215			M12	209.5	26	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								233.5	39	34	38	80	41.3	

1) 适用于键连接(AQA..)　　1) Applies to type with key way (AQA..)
2)适用于锁紧套连接(AQH..)　2) Applies to type with clamping ring hub (AQH..)

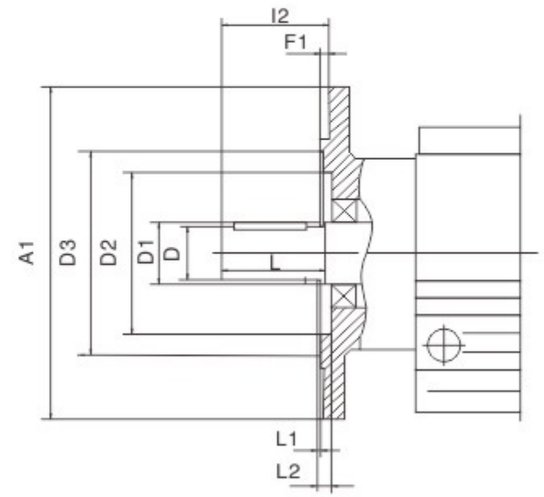
9.5 电机尺寸表
9.5 The size of motor



型号	D63S	D71D	D80K	D90S	D100M	D112M	D132S	D160M	D180M
	D63M		D80N	D90L	D100L		D132L	D160L	D180L
	D63L								
AC	129	129	169	192	219	219	257	320	380
AD	103	103	120	131	140	140	186	195	280
KM	218	236	262	318	335	363	409	508	645
							452	552	685

注：上表中的电机尺寸为部分铁心长度电机的参考尺寸，具体尺寸根据铁心长度与联接法兰尺寸确定，
因空间限制对电机尺寸有要求时请向我公司咨询。
Notice:The data in the above table is only for reference. If you have any special requirements,please contact us.

9.6 RF..和R..F减速机法兰外形图
9.6 Flange contours of RF and R..F gear units



选择和安装输出零件时请注意L1和L2尺寸
Check dimensions L1 and L2 for selection and installation of output elements

规格 Type	A1	D	D1	D2		D3	F1	12	L	L1		L2
				RF	R..F					RF	R..F	
RF37	120	25	35	60	63	70	3	50	50	5	4	7
	160				–	96	3.5			1	–	7.5
	200				–	119	3.5			1	–	7.5
RF47	140	30	35	72	64	82	3	60	60	4	1	6
	160				–	96	3.5			0.5	–	6.5
	200				–	116	3.5			0.5	–	6.5
RF57	160	35	40	76	75	96	3.5	70	70	4	2.5	5
	200				–	116	3.5			0	–	5
	250				–	160	4			0.5	–	5.5
RF67	200	35	50	90	90	118	3.5	70	70	2	4	7
	250				–	160	4			1	–	7.5
RF77	250	40	52	112	100	160	4	80	80	0.5	2.5	7
	300				–	210	4			0.5	–	7
RF87	300	50	62	123	122	210	4	100	100	0	1.5	8
	350				–	226	5			1	–	9
RF97	350	60	72	136		236	5	120	120	0		9
	450					320						
RF107	350	70	82	157		232	5	140	140	0		11
	450			186		316						

9.7 减速机安装
9.7 Gear unit mounting

安装减速机和减速机时一定要使用8.8级螺栓
Always use bolts quality 8.8 for mounting gear units and geared motors.

例外
Exception

当传递样本上所给定的额定扭矩时,下面几种法兰安装（RF..）和地脚/法兰安装（RF..）的斜齿轮减速电机，法兰和用户安装单元固定时一定要用10.9级的螺栓。

- RF37和带 ϕ120mm法兰的R37F
- RF47和带 ϕ140mm法兰的R47F
- RF57和带 ϕ160mm法兰的R57F

Bolts of quality 10.9 must be used for fastening the flange to the customer supplied unit in order to transmit the rated torque specified in the catalog. These bolts must be used in case following flange-mounted helical geared motors(RF..)and foot/flange-mounted helical geared motors (R..F..):

- RF37,R37F with flange ϕ 120mm
- RF47,R47F with flange ϕ 140mm
- RF57,R57F with flange ϕ 160mm

9.8润滑
9.8 Lubricants

概述
Greneral information

除非特别要求,所提供的减速电机均按其减速机规格注了油。订货时，所规定的安装位置对注油量的多少是一个决定性因素。对于安装位置的调整必须相应地调节注油量。（按164页注油量表）。
Un less there is a special requirement,always supplies the drives that with lubricant fill specifically for the reducer and mounting position. When ordering a drlve, the decisve factor of lubricant fill qwantites is the drives mounting position. You must adapt the lubricant fill to any subsequent change made to the mounting position check P164 for the(Lubricant fill quantities)

润滑油的等级和粘度类型
Lubricating conglutination

推荐使用的润滑油见P163页润滑油表 其等级和粘度指标见下表
commend the lubricant oil in P163. The grade and conglutination index in the following.

DIN(ISO,SAE)标准润滑油 Normal lubricating	粘度指标 conglutination index	环境温度℃ Ambient temperature	减速机型号 Gear unit type
Mineral oil CLp(cc)	ISOVG 220	-10-+40	R 系列,F 系列 K 系列减速机
	ISOVG 680	0-+40	S 系列减速机

特殊应用场合必须使用特殊润滑油，比如要求长使用寿命润滑油。若需要可提供用于食品行业和生物降解润滑油。
The special lubricante oil. must be used in special situation. For example requesting use the oil with long life-span. If you want. we can afford the biology decompose oil for food ndustry.

DIN(ISO,SAE)标准润滑油 Normal lubricating	粘度指标 conglutination index	环境温度℃ Ambient temperature	减速机型号 Gear unit type
Mineral oil CLP(CC)	ISOVG 100	-20-+25	R系列，F系列 K系列减速机
Synthetic fluid, clp pg	ISOVG 220	-25-+80	R系列，F系列 K系列减速机
Synthetic fluid, CLP HC	ISOVG 460	-30-+80	S系列减速机

耐磨轴承用润滑油
Anti-friction bearing greases

下列 润滑脂用于减速机和电机的耐磨轴承润滑
The following giease for the motor reducer bearing lubrication wear

DIN(ISO,SAE)标准润滑油 Normal lubricating	环境温度℃ Ambient temperature	减速机型号 Gear unit type
矿物轴承润滑脂K32N/K2K mineral bearing lubricating lipin K32N/K2K	-30-+60	正常型式：减速机、电机 Normal type: motor reducer
合成轴承润滑脂KHC 2R-40 synthetic bearing lubricating lipin K2R-40	-40-+80	减速机加注合成润滑油 Reducers need to inject the synthetic lubricant
矿物轴承润滑脂K3N-30 mineral bearing lubricating lipin K3N-30	-25-+80	特殊型式：按应用场合确定的电机 Special type: select the motor in different situation
合成轴承润滑脂K2S-50 synthetic bearing lubricating lipin K2S-50	-45--25	特殊型式：按应用场合确定的电机 Special type: select the motor in different situation

加油量 Lubricant fill quantities

斜齿轮减速器(R..) Helical gear units (R..)

规定的注油量是参考值。精确的注油量随着减速机的级数和速比的不同而变化。注油时，最有效时检查油位塞因为它指示精确注油量。

The specified fill quantities are recommended values.The precise vary depending on the unmber of stages and gear ratio When filling, it is essential to check the oil level plug since it indicates the precise oil capacity.

下表按安装位置M1–M6,给出了注油量的参考值。

The following tables show referenced values for lubricant fill quantities in relation to relation to the Mounting position M1–M6

减速器型号 Gear unit type	Referenced		注油量(升) Fill quantity(L)			
	M1[1)]	M2[1)]	M3	M4	M5	M6
R37	0.3/1	0.9	1	1.1	0.8	1
R47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
R57	0.8/1.7	1.9	1.7	2.1	1.7	1.7
R67	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
R77	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
R87	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
R97	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
R107	6/13.7	16.3	16.9	19.2	13.2	15.9

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1[1)]	M2[1)]	M3	M4	M5	M6
RF37	0.4/1	0.9	1	1.1	0.8	1
RF47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
RF57	0.8/1.7	1.8	1.7	2	1.7	1.7
RF67	1.2/2.5	2.7/3.6	2.7	3.1	1.9	2.1
RF77	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
RF87	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
RF97	5.1/10.2	11.9/14	11.7	14	11.2	11.8
RF107	6.3/14.9	15.9	17	19.2	13.1	15.9

传动装置润滑油表 Lubricant table

减速机型号 Gear unit type	环境温度 Ambient temperature 0℃ +50 +100			润滑油类型 DIN(ISO)	ISO粘度与NLGI相应	Mobil	Shell	KLÜBER LUBRICATION	ARAL	BP	Tribol	TEXACO	Optimol	FUCHS
	–10	标准	+40	CLP (CC)	VG 220	Mobilgear 630	Shell Omala 220	Kluberol GEM1–225	AralDegol Bg220	BP Energol GR-Xp220	Tribol 1100/220	Meropa 220	Optigear Bm220	Renolin CLP 220
K F R	–25		+80	CLP PG	VG 220	Mobil Glygoyle 30 WB	Shell Tivela GH 6–220	Kubersynth Ar GEM1–225	AralDegol Bs220	BP Energol SR-Xp220	Tribol 800/220	Synlube CLP 220	Optifilex A 220	
	–40		+80	CLP HC	VG 220	Mobil SHC 630	Shell Omala 220 HD	Kubersynth GEM4–220	AralDegol PAS220		Tribol 1510/200	Pinnacle Ep220	Optigear Syn-thetic A 220	Renolin Unisyn CLP 220
	*–40		+40	CLP HC	VG 150	Mobil SHC 629	Shell Omala 150	Kubersynth GEM4–150						
	–20		+25	CLP (CC)	VG 150 VG 100 VG 68–46 VG 32	Mobilgear 629	Shell Omala 100	Kluberol GEM1–150	AralDegol Bg 100	BP Energol GR-Xp100	Tribol 1100/100	Meropa 150	Optigear BM 100	Renolin CLP 150
	–30		+10	CLP HC	VG 32	Mobil D.T.E 15M	Shell Tellus T32	Kluberol GEM1–68	AralDegol Bg 46		Tribol 1100/68	Anubia EP 46	Optigear 32	Renolin B 46 HVI
	*–40		+10	CLP HC	VG 32	Mobil SHC 624		Kubersynth GEM4–32				Cetus PAO 46		
	–20		+10	HLP (HM)	VG 22 VG 15	Mobil D.T.E 11M	Shell Tellus T15	ISOFLEX MT 30 ROT		BP Energol HLP-HM10		Aircraft Hydr.Oil 15		
	–20		+60	CLP (CC)	VG 680	Mobilgear 636	Shell Omala 680	Kluberol GEM1–680	AralDegol Bg 680	BP Energol GR-Xp680	Tribol 1100/680	Meropa 680	Optigear BM 680	Renolin CLP 680
				CLP PG	VG 680	Mobil Glygoyle HE 680		Kubersynth Gh 6–680		BP Enersyn SG-Xp680	Tribol 800/680	Synlube CLP 680		
	* –30		+80	CLP HC	VG 460	Mobil SHC 634	Shell Omala 460 HD	Kubersynth GEM 4–460						
S	*–40		+10	CLP HC	VG 150	Mobil SHC 629		Kubersynth GEM 4–150						
	–20		+10	CLP (CC)	VG 150 VG 100	Mobil D.T.E 18M	Shell Omala 100	Kluberol GEM1–150	AralDegol Bg 100	BP Energol GR-Xp100	Tribol 1100/100	Meropa 100	Optigear BM 100	Renolin CLP 150
	–25		+20	CLP PG	VG 220 1)	Mobil Glygoyle 30		Kubersynth GH 6–220			Tribol 800/220	Synlube CLP 220	Optiflex A 220	
	*–40		0	CLP HG	VG 32	Mobil SHC 624		Kubersynth GEM 4–32				Cetus PAO 46		
R/K F/S	* –30		+40	HCE	VG 460 4)		Shell Cassida Fluid GL 460	Kluberol 4UH1–460	Aral Eural Bear 460				Optileb GT 460	
	–20	标准	+40	E	VG 460 5)			Kuberbio CA2–460					Optisynt BS 460	
F 27 R 17 R 27	–25		+60	润滑脂 DIN 51818	00 2)	Glygoyle Grease 00	Shell Tivela Compound A	Klubersynth GE 46–1200						
	–15		+40		000–0 2)	Mobilux EP 004	Shell Alvania GL 00		Aralub MFL 00	BP Energrease LS-EP 00		Multifak EP 000	Longtime PD 00	Renolin SF7-041

■ =合成润滑油 Synthetic lubricant

□ =矿物润滑油 Mineral lubricant

1) Pls contact with when the Helical-worm geared motors use PG oil.
2) Small conglutination index oil, other types of reducers. Pls contact with DAIFUSI.
3) Food or beverage industry used oil.
4) biology decompose oil.
--High request when start-up in low temperature.

1)用PG油的斜齿轮涡轮蜗杆减速机请和 联系
2)低粘度油脂,其他型号减速机请和 联系
3)食品饮料行业用油(食品级油)
4)生物降解油(用于农业,林业和水工业)
*低温时启动要求高

CLP PG=聚二醇类 CLP =矿物油
CLP HC=碳氢化合物类 HLP=液压油
E=二元酸酯合成油
HCE=碳氢化合物十二酯油 CLP:Petrolatam Oil
HLP:Hydraulic pressure oil
KBTS/Ga/Vi

F..,FA..,FH..,FV..B

减速器型号 Gear unit type	注油量（升） Fill quantity (L)					
	M1	M2	M3	M4	M5	M6
F37	1	1.2	0.7	1.2	1	1.1
F47	1.5	1.8	1.1	1.9	1.5	1.7
F57	2.6	3.7	2.1	3.5	2.8	2.9
F67	2.7	3.8	1.9	3.8	2.9	3.2
F77	5	7.3	4.3	8	6	6.3
F87	10	13.0	7.7	13.8	10.8	11
F97	18.5	22.5	12.6	25.2	18.5	20
F107	24.5	32	19.5	37.5	27	27

FF..

减速器型号 Gear unit type	注油量（升） Fill quantity (L)					
	M1	M2	M3	M4	M5	M6
FF37	1	1.2	0.7	1.3	1	1.1
FF47	1.6	1.9	1.1	1.9	1.5	1.7
FF57	2.8	3.8	2.1	3.7	2.9	3
FF67	2.7	3.8	1.9	3.8	2.9	3.2
FF77	5.1	7.3	4.3	8.1	6	6.3
FF87	10.3	13.2	7.8	14.1	11	11.2
FF97	19	22.5	12.6	25.5	18.9	20.5
F107	25.5	32	19.5	38.5	27.5	28

FA..,FH..,FV..,FAF..,FHF..,FVF..,FAZ..,FHZ..,FVZ..

减速器型号 Gear unit type	注油量（升） Fill quantity (L)					
	M1	M2	M3	M4	M5	M6
F..37	1	1.2	0.7	1.2	1	1.1
F..47	1.5	1.8	1.1	1.9	15	1.7
F..57	2.7	3.8	2.1	3.6	2.9	3
F..67	2.7	3.8	1.9	3.8	2.9	3.2
F..77	5	7.3	4.3	8	6	6.3
F..87	10	13.0	77	13.8	10.8	11
F..97	18.5	22.5	12.6	25.0	18.5	20
F..107	24.5	32	19.5	37.5	27	27

K..,KA..,KH..,KV

减速器型号 Gear unit type	注油量（升） Fill quantity (L)					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.3	1	1
K..47	0.8	1.3	1.5	2	1.6	1.6
K..57	1.2	2.3	2.5	3	2.6	2.4
K..67	1.1	2.4	2.6	3.4	2.6	2.6
K..77	2.2	4.1	4.4	5.9	4.2	4.4
K..87	3.7	8	8.7	10.9	7.8	8
K..97	7	14	15.7	20	15.7	15.5
K..107	10	21	25.5	33.5	24	24
K..127	21	41.5	44	54	40	41

KF..

减速器型号 Gear unit type	注油量（升） Fill quantity (L)					
	M1	M2	M3	M4	M5	M6
KF37	0.5	1.1	1.1	1.5	1	1
KF47	0.8	1.3	1.7	2.2	1.6	1.6
KF57	1.3	2.3	2.7	3	2.9	2.7
KF67	1.1	2.4	2.8	3.6	2.7	2.7
KF77	2.1	4.1	4.4	6	4.5	4.5
KF87	3.7	8.2	9	11.9	8.4	8.4
KF97	7	14.7	17.3	21.5	15.7	16.5
KF107	10	22	26	35	25	25

KA..,KH..,KV..,KAF..,HF..,KVF..,KAZ..,KHZ..,KVZ..

减速器型号 Gear unit type	注油量（升） Fill quantity (L)					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.4	1	1
K..47	0.8	1.3	1.6	2.1	1.6	1.6
K..57	1.3	2.3	2.7	3	2.9	2.7
K..67	1.1	2.4	2.7	3.6	2.6	2.6
K..77	2.1	4.1	4.6	6	4.4	4.4
K..87	3.7	8.2	8.8	11.1	8	8
K..97	7	14.7	15.7	20	15.7	15.7
K..107	10	20.5	24	32	24	24

S..

减速器型号 Gear unit type	油注量 (升) Fill quantity (L)					
	M1	M2	M3[1)]	M4	M5	M6
S37	0.25	0.4	0.5	0.6	0.4	0.4
S47	0.35	0.8	0.7	1.1	0.8	0.8
S57	0.5	1.2	1	1.5	1.3	1.3
S67	1	2.0	2.2/3.1	3.2	2.6	2.6
S77	1.9	4.2	3.7/5.4	6	4.4	4.4
S87	3.3	8.1	6.9/10.4	12	8.4	8.4
S97	6.8	15	13.4/18	22.5	17	17

1)多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi–stage gear units must be filled with the larger oil volume

SF..

减速器型号 Gear unit type	油注量 (升) Fill quantity (L)					
	M1	M2	M3[1)]	M4	M5	M6
SF37	0.25	0.4	0.5	0.6	0.4	0.4
SF47	0.4	0.9	0.7	1.2	1.0	1
SF57	0.5	1.2	1	1.6	1.4	1.4
SF67	1	2.2	2.3/3	3.2	2.7	2.7
SF77	1.9	4.1	3.9/5.8	6.5	4.9	4.9
SF87	3.8	8	7.1/10.1	12	9.1	9.1
SF97	7.4	15	13.8/18.8	23.6	18	18

1)多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi–stage gear units must be filled with the larger oil volume

SA., SH.., SAF.., SHF.., SAZ.., SHZ..

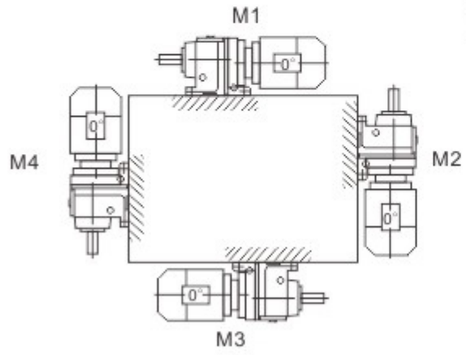
减速器型号 Gear unit type	油注量 (升) Fill quantity (L)					
	M1	M2	M3[1)]	M4	M5	M6
S..37	0.25	0.4	0.5	0.6	0.4	0.4
S..47	0.4	0.8	0.7	1.1	0.8	0.8
S..57	0.5	1.1	1	1.6	1.2	1.2
S..67	1	2	1.8/2.6	2.9	2.5	2.5
S..77	1.8	3.9	3.6/5	5.9	4.5	4.5
S..87	3.8	7.4	6/8.7	11.2	8	8
S..97	7	14	11.4/16	21	15.7	15.7

1)多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi–stage gear units must be filled with the larger oil volume

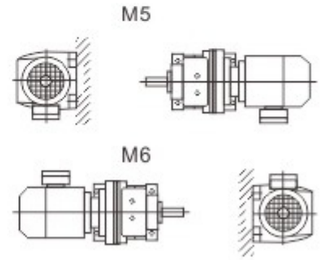
10. 安装位置
Mounting Position

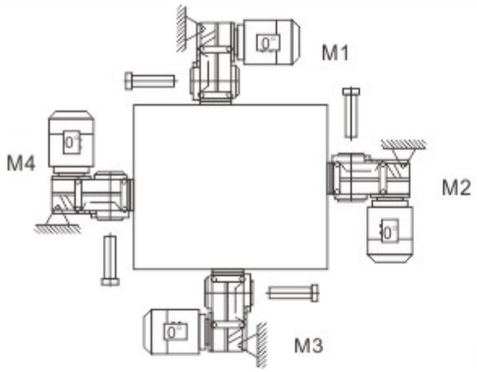
10.1 安装位置概述
10.1 Mounting Position designation

安装位置说明：减速电机有M1..M6共6种安装位置。
下面的图标说明了减速器安装位置M1..M6的空间排列。
differentiates between six mouning position M1–M6 for geared motors
The following shows the spatial arrangement of the gear units in mounting positions M1–M6.

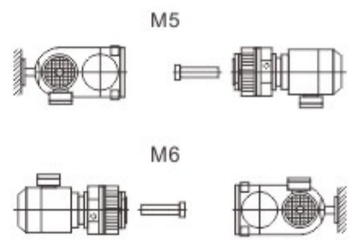


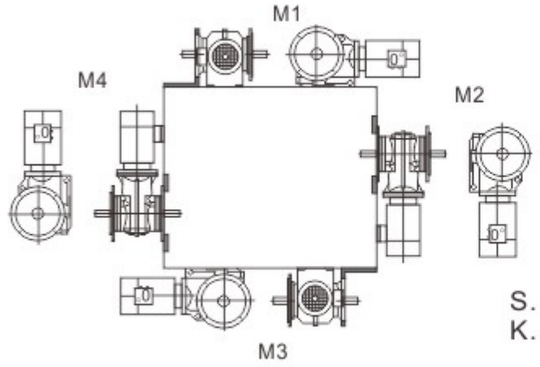
R..



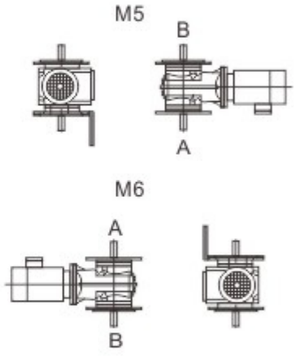


F..





S..
K..



重要的订货信息
Important indention information
除了安装位置以外，下面订货资料也是必需的，以便精确描述所要求的减速电机外形。
Except the mountiong position, the indention informations for depicting the figure of gear

电机接线盒位置	Unit exactly are necessary
电机接线上出线口位置	Position of the motor terminal box
对直角轴减速机：输出方向	For the right–angle shaft reducers: output shaft connection.
对直角轴型带收缩盘轴装式减速机：连接端带或不带法兰	For the right–angle shaft reducers: with shrink–disk: with or without feange
带逆止器的减速电机：设备的旋转方向	For the drive with a backstop: the Direction of rotation.

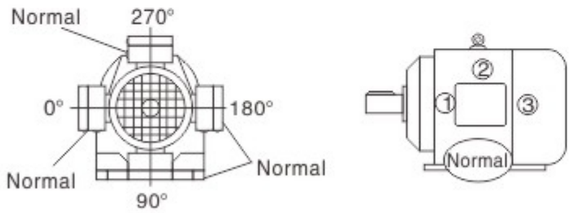
电机接线盒和出线嘴位置
Position of the motor terminal box cable entry

电机接线盒从电机风扇罩看（如图），位置分别表示为0°，90°，180°或270°

出线嘴的位置也可以进行选择（如图），分别表示为“Normal”，“1”，“2”或“3”

Possible positions of the terminal box are 0°，90°，180° or270° as ciewed onto the fan guard=B-side

In addition，the position of the cable entry can be selected. The possibilities are "X" (=normal position)，“1”，“2” or “3”



图：接线盒与出线嘴的位置
Fig: Position of the terminal box and cable entry

对于接线盒，除非给出了详细信息，否则接线盒按0°，出线嘴按“Normal”供货。

我们建议安装位置在M3时，应选择出线嘴位置为“2”。

注意：

对于R37D71..减速电机，接线盒位置不能标为90°

D71..BMG接线盒位置为90°时,出线嘴位置不能标为“2”。

Unless other information is given regarding the terminal box,the 0° type with “X” cable entry will be supplied. We recommend selecting cable “2” with mounting position M3

The terminal box cannot be positioned at 90° on the R37D71 geared motor.

Cable entry “2” is not possible with the DT71..BMG motor with terminal box position 90°

带逆止器减速电机的旋转方向
Direction of totation of the drive with a backstop

若减速电机带逆止器，规定出减速电机转方向是很必要的。按下列标识：

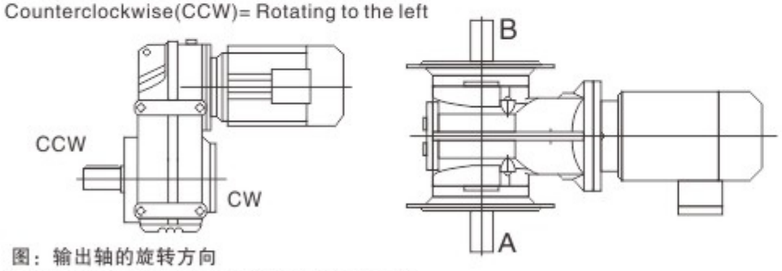
从输出轴看：顺时针（CW）为向右旋转逆时针（CCW）为向左旋转

If the drive has a RS backstop, it is necessary to stipulate the direction of drive rotation.

The following definition applies:

Looking onto the output shaft: Clockwise (CW) =Rotating to theright

Counterclockwise(CCW)= Rotating to the left



图：输出轴的旋转方向
Fig:Direction of rotation of the output shaft

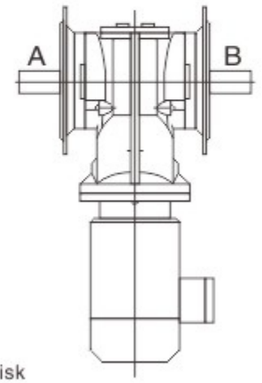
对于直角轴型式减速电机，规定出给定的旋转方向是从A端看还是从B端看的，这是非常必要的。

In right-angle gear units, it is necessary to indicate if the direction of rotation is given where be looked from the A or B end.

输出轴的位置
Position of the output shaft

对于直角轴型减速机，规定出出轴方向是必要的：A或B，还是A+B（见图）

In right-angle gear units, it is necenssary to indicate the position of the output shaft and output flange: A or B or A+B

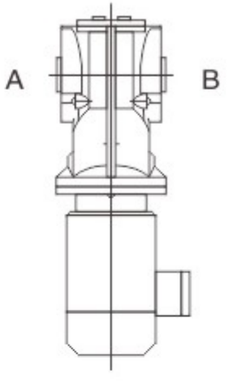


图：出轴方向
Fig: Position of the Output shaft

带锁紧盘的轴装直角轴减速机
Position of the connection end in tight-angle gear units with shrink disk

对于轴装式带锁紧盘的正文轴型式减速电机，规定出A端还是B端为连接端并且连接端是否有法兰是必要的。在图中，A端是连接端，锁紧盘在连接端对面。

In shaft mounted righ-angle gear units with shrink disk, it is necessary to indicate whether the A or B end is the connection end. In Fig. The A end and is the connection end. The shrink disk is located opposite the connection end.



图：连接端的位置
Fig: position of the connection end

类型 Type	安装位置 Mounting position	连接端 Shaft with	锁紧盘位置 Position of shrink disk	法兰 Flange	接线位置 Position of teminal box	出线嘴位置 Position of cable enty	旋转方向 ration direction	出轴方向 Output shaft direction
KF47D71D4/RS	M5	A	–	B	0°	“Normal”	CW	A
SF97D180M4	M2	A+B	–	A+B	180°	“2”	–	A+B
KH107D160L4	M1	–	B	–	270°	“3”	–	–

所有符号的含义
Symbols used

下表列出，在安装位置上的符号及其含义
The following table shows the symbols used in the mounting position sheets and what they mean:

符号 Symbol	含义 Meaning
	通气器 Breather valve
	油标 Oil level plug
	放油螺塞 Oil drain plug
	进线位置 In line plug

搅油损失
Churning losses

在某些安装位置可能增加搅油损失，在下列结构中请向厂方咨询
In creased churning losses may arise in some mounting positions,
Please contact in case of the following combinations.

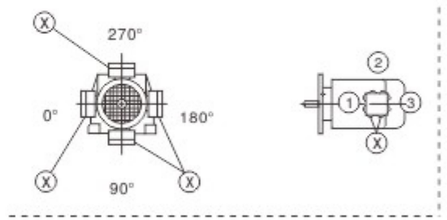
安装位置 Mounting position	减速器型号 Gear unit type	减速器规格 Gear unit size	输入速度(rpm) Input speed
M2,M4	R	97–107	>2500
		>107	>1500
M2,M3,M4,M5,M6	F	97–107	>2500
		>107	>1500
	K	77–107	>2500
		>107	>1500
	S	77–97	>2500

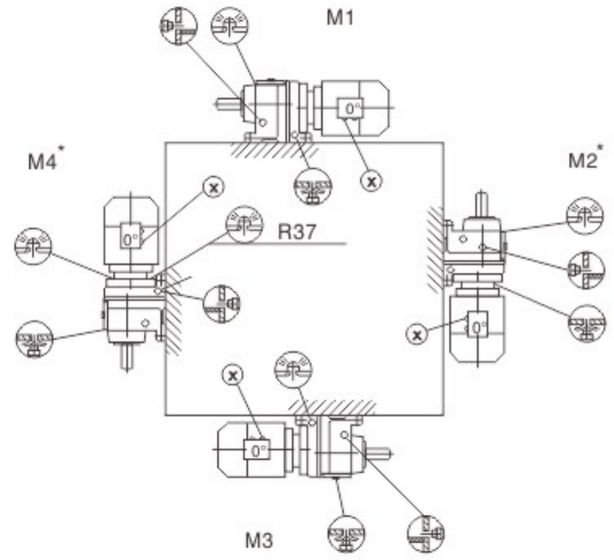
润滑油检查和维护的周期

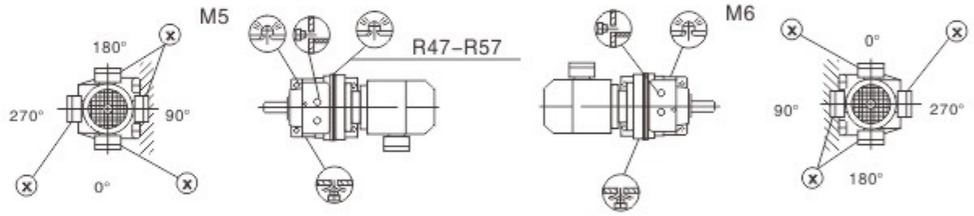
维护周期	内容
首次运行300小时	箱体清洗干净后换油
每六个月或工作3000小时	检查油
取决于运行条件， 检查周期不得长于3年	更换矿物油
	更换耐磨轴承润滑油

10.2 斜齿轮减速电机安装位置
10.2 Mounting position of Helical gear unit

R37-R107



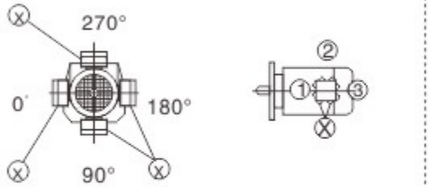


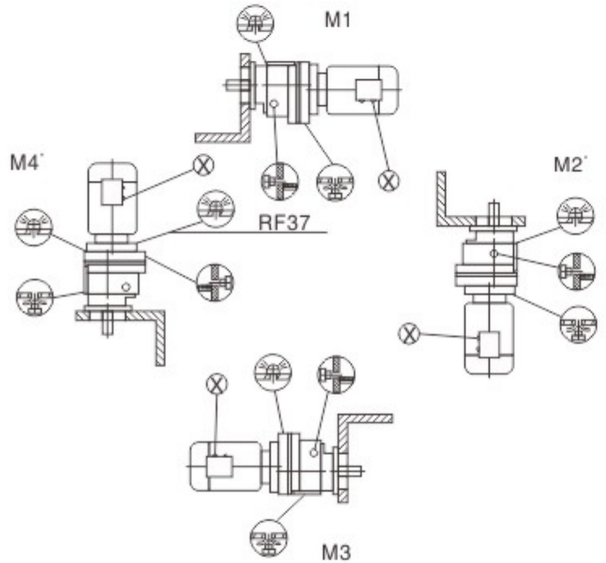


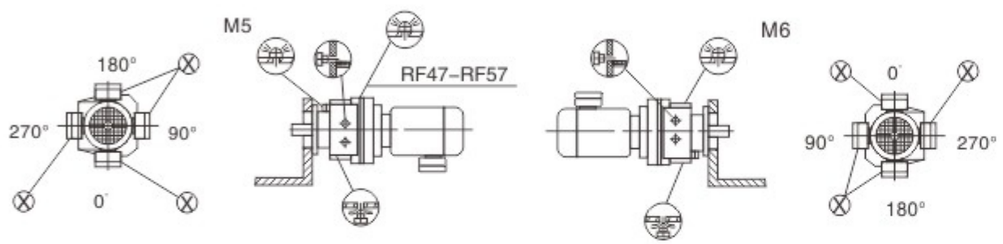
R37 M1,M3,M5,M6

R47, R57 M5

R37







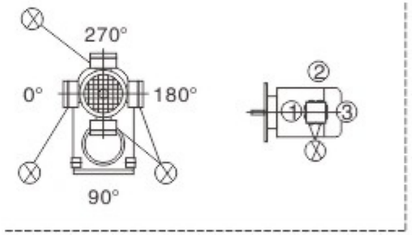
R37 M1,M3,M5,M6

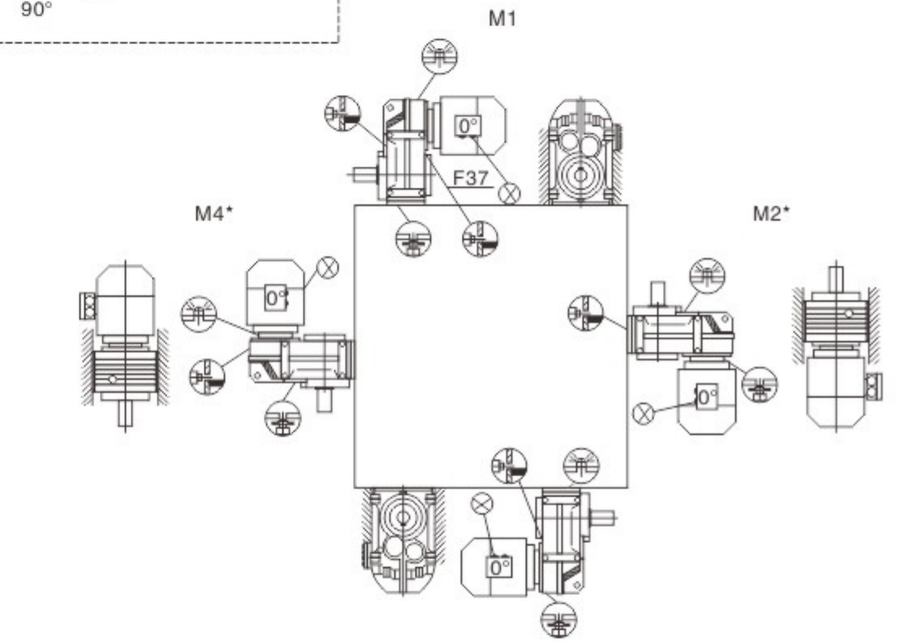
RF47,RF57 M5

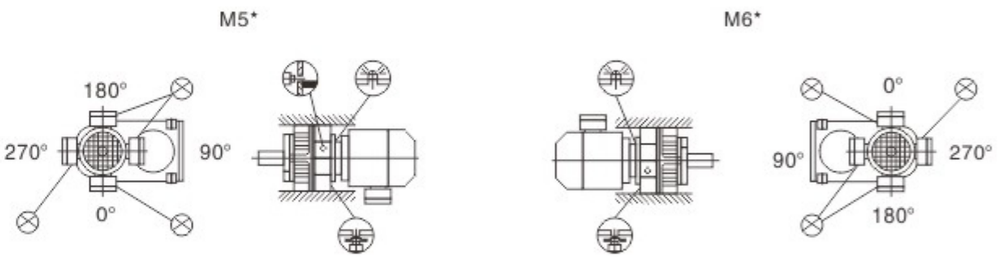
R37

10.3 平行轴斜齿轮减速电机安装位置
10.3 Mounting position of parallel shaft helical Gear unit

F/FA..B/FH37B-107B, FV37B-107B



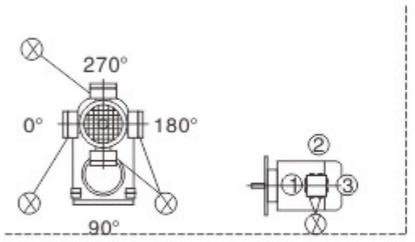


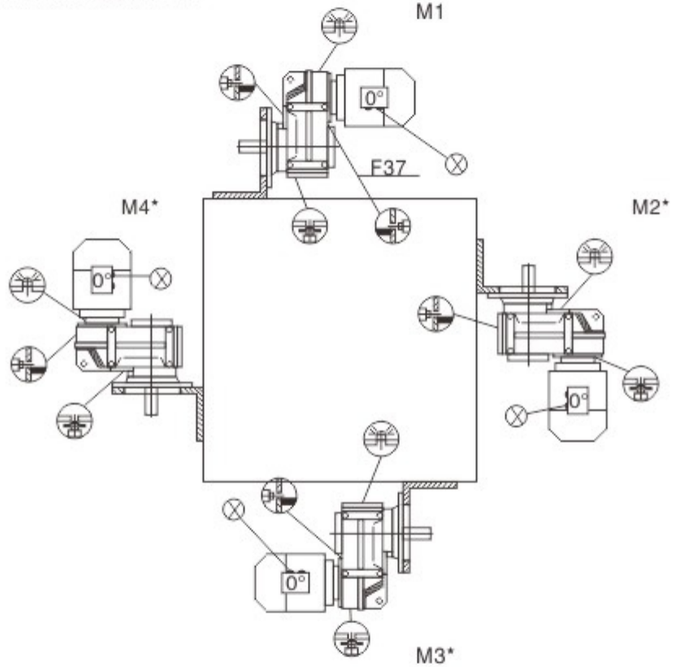


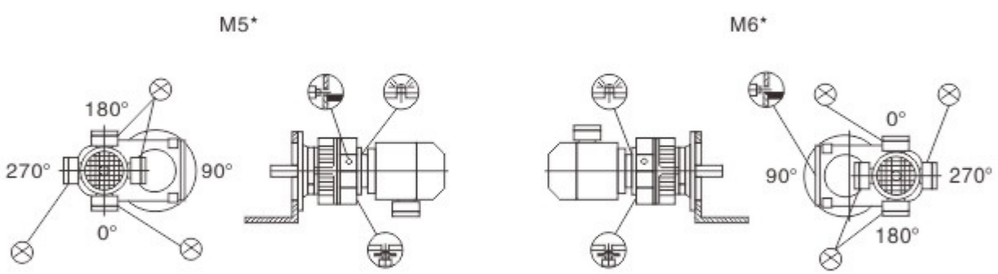
F37 M1,M3,M5,M6

F37 M1–M6

F37 M1,M3,M5,M6



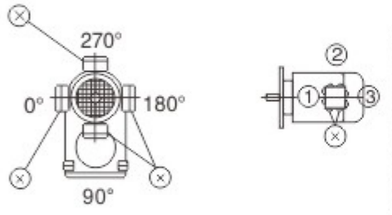


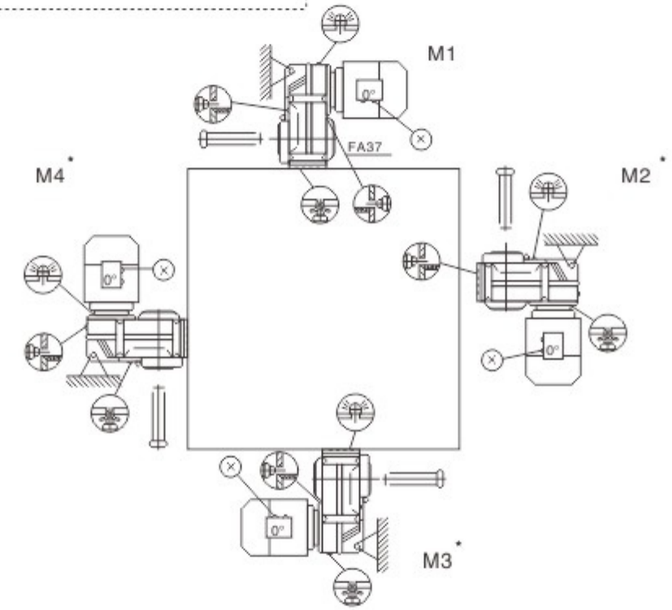


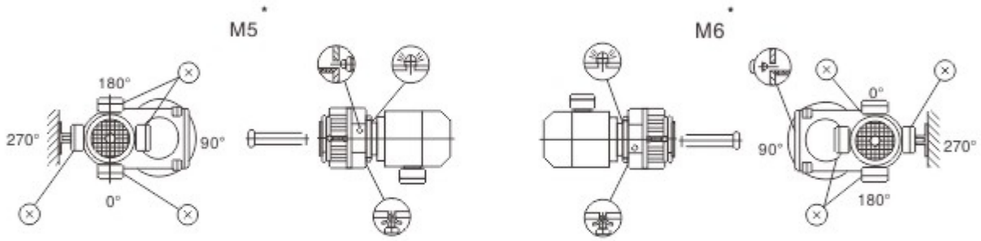
F37 M1,M3,M5,M6

F37 M1–M6

F37 M1,M3,M5,M6







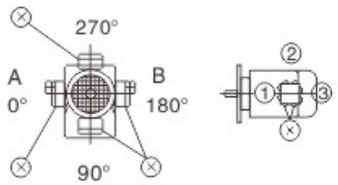
F37 M1,M3,M5,M6

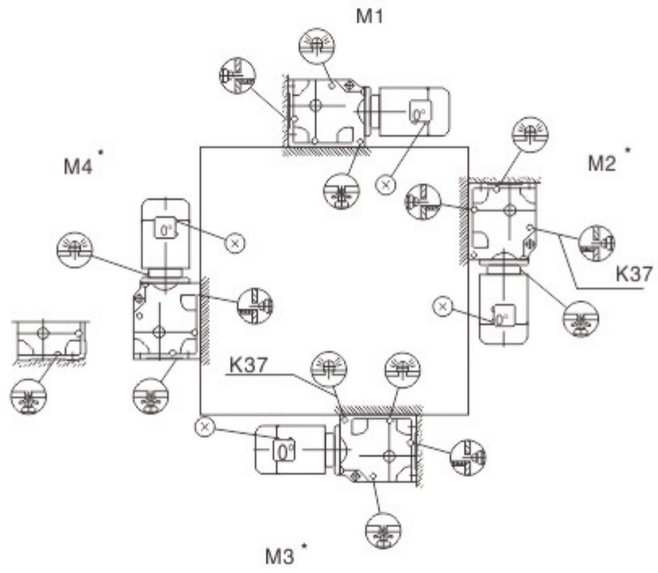
F37 M1–M6

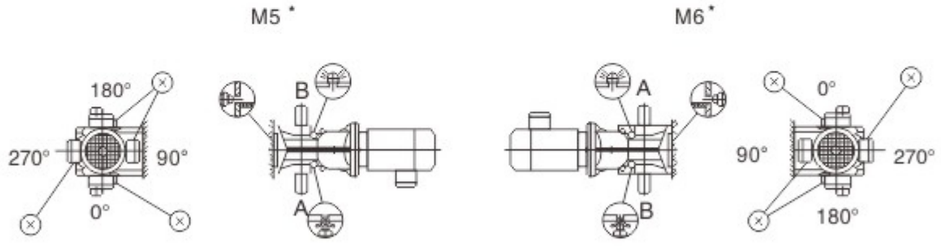
F37 M1,M3,M5,M6

10.4 斜齿轮–伞齿轮减速电机安装位置
Mounting position of helical – bevel Gear unit

K/KA..B/KH37B-107B,KV37B-107B

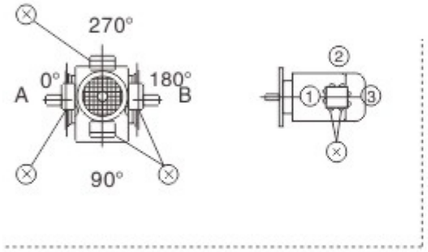


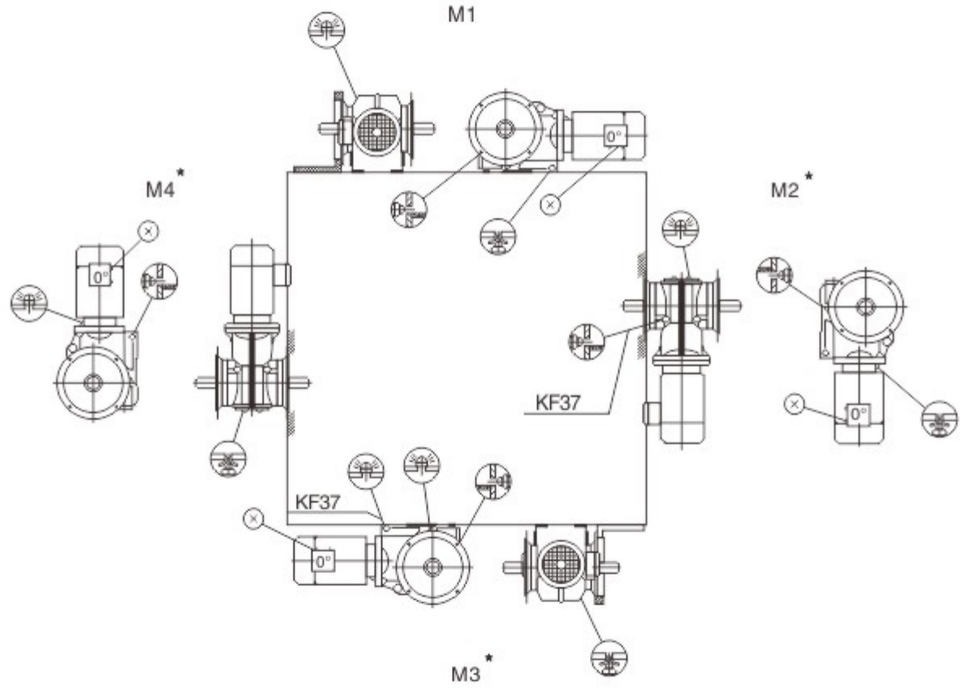


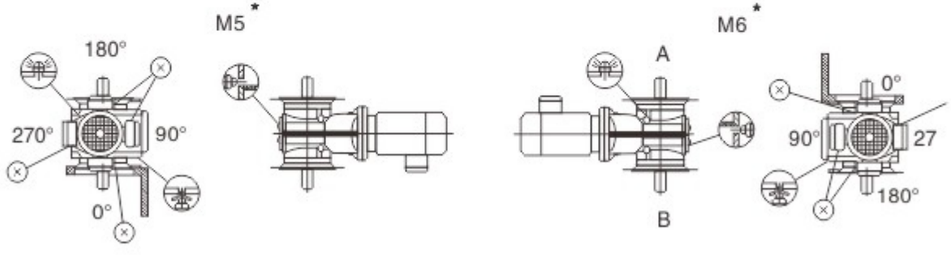


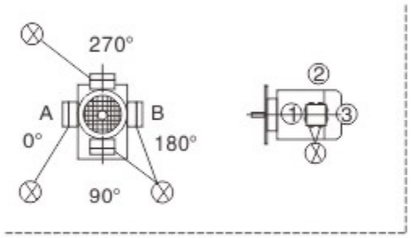
重要:请参见"减速器选型"中"径向和轴向负载"部分(P21)
Important:Please refer to the information in the "Geared Motos" catalog. Optional Planning for Ge units Ouerhung and axial loads part"(P21)

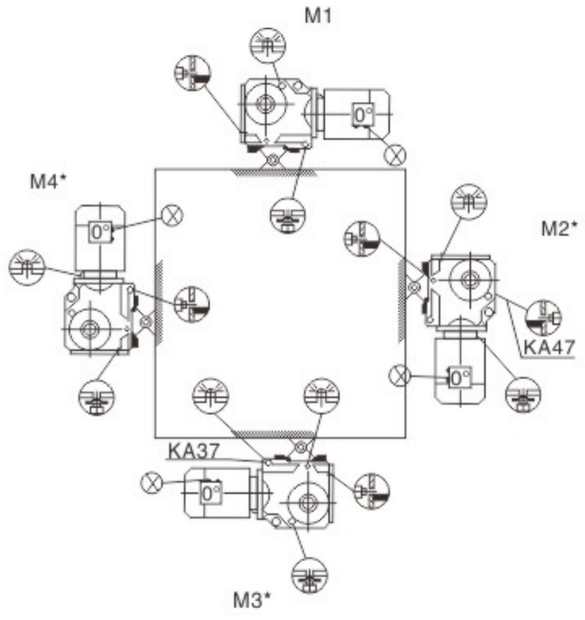
KF/KAF/KAZ/KHZ37-107, KVF/KVZ37-107

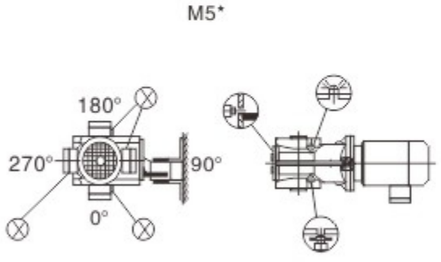


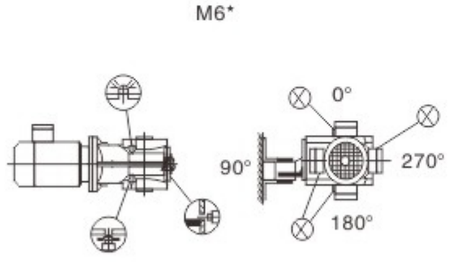






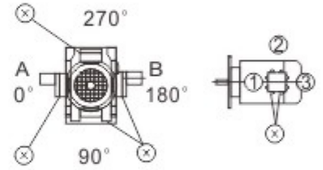


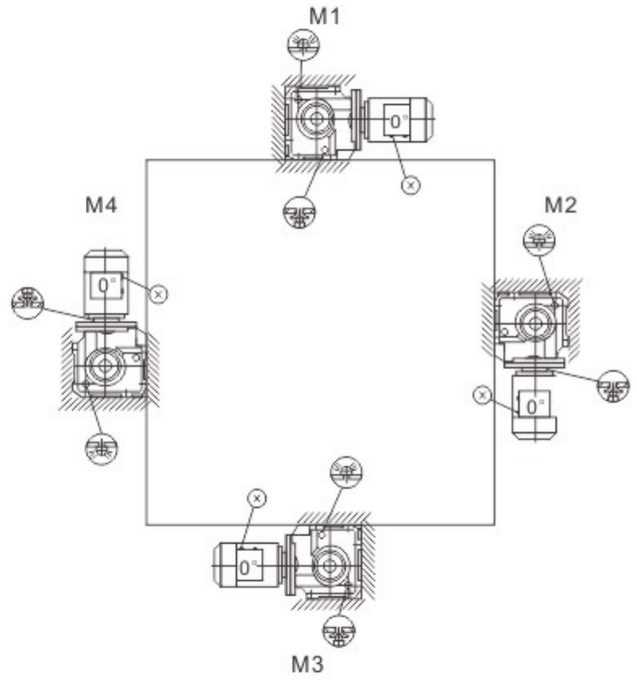


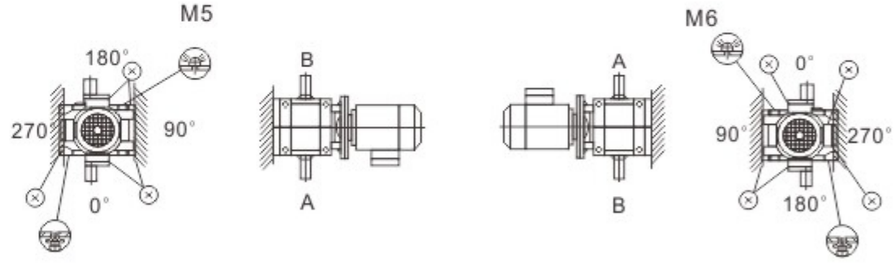


10.5 斜齿轮—蜗杆减速电机安装位置
10.5 Mounting position of Helical-worm Gear motor

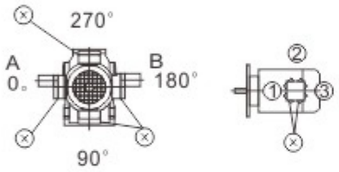
S37

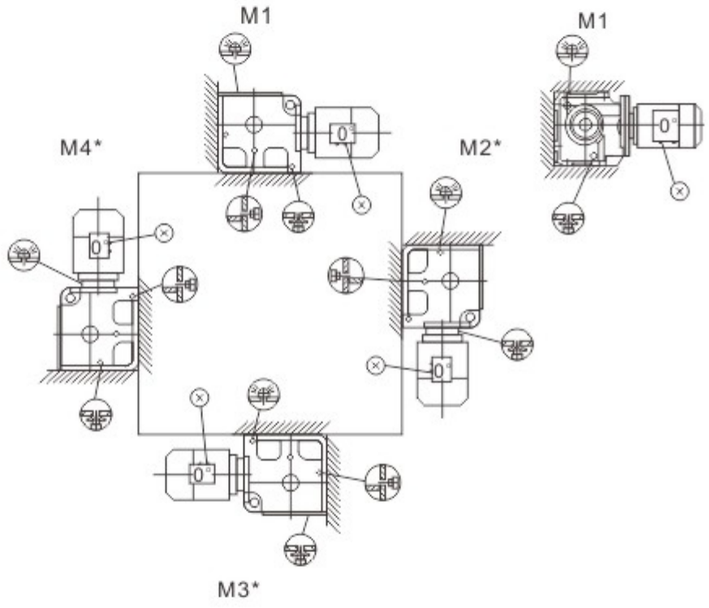


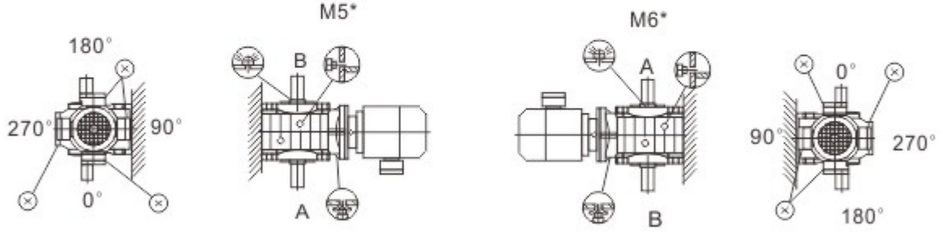




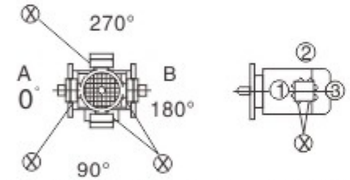
重要:请参见“减速器选型”中“径向和轴向负载”部分(P21)
Important:Please refer to the information in the “Geared Motos” catalog. Optional Planning for Gear units Ouerhung and axial loads part(P21)

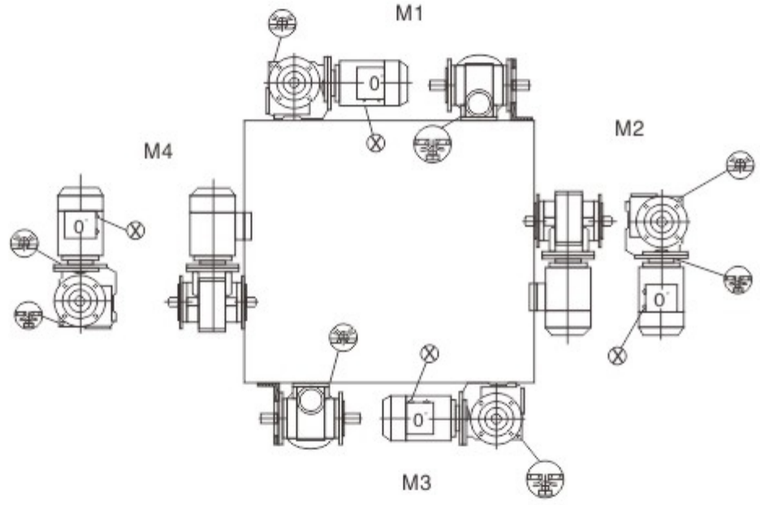


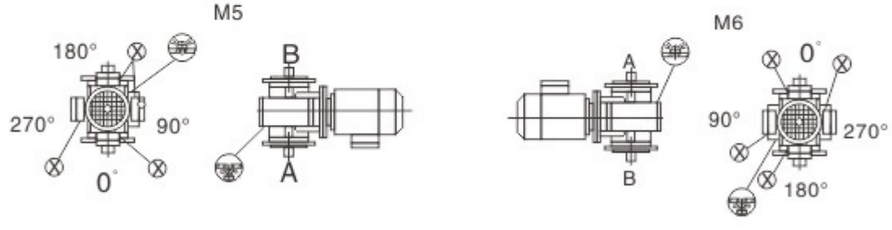




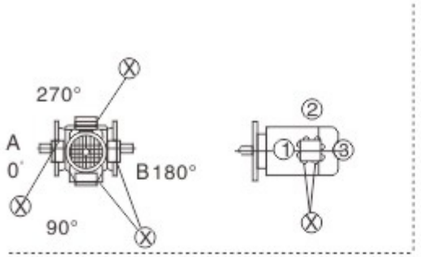
重要:请参见“减速器选型”中“径向和轴向负载”部分(P21)
Important:Please refer to the information in the “Geared Motos” catalog. Optional Planning for Gear units Ouerhung and axial loads part(P21)

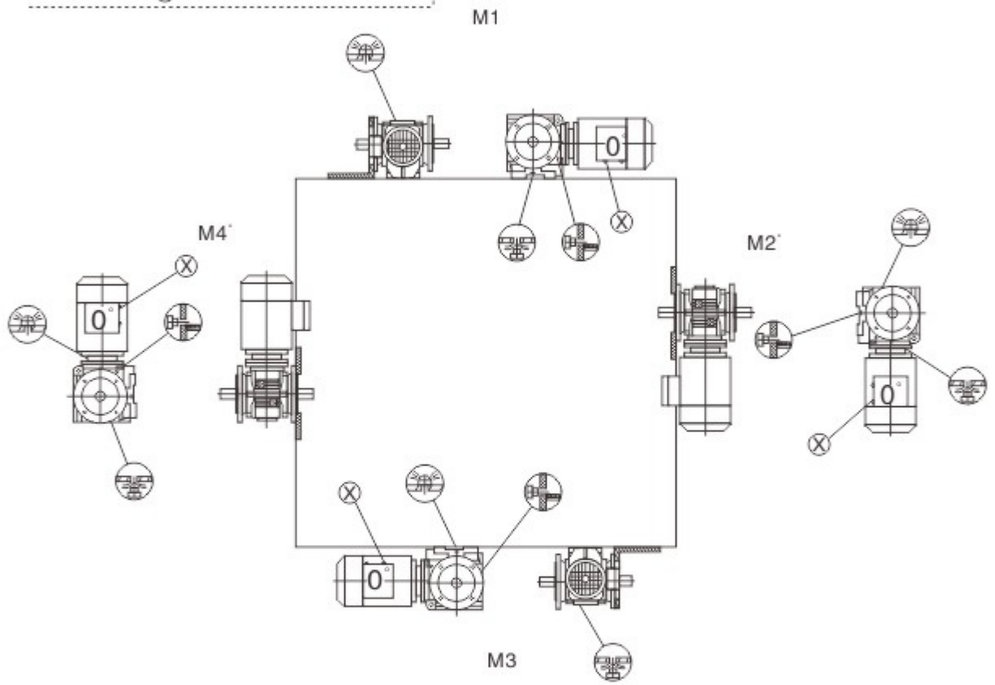


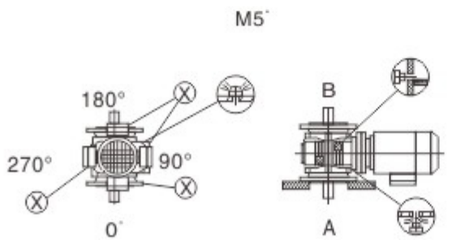


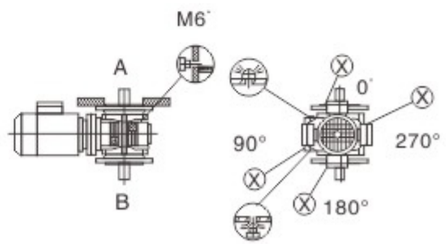


SF/SAF/SHF/SAZ/SHZ47..-97..

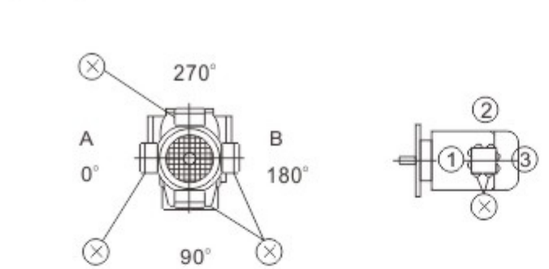


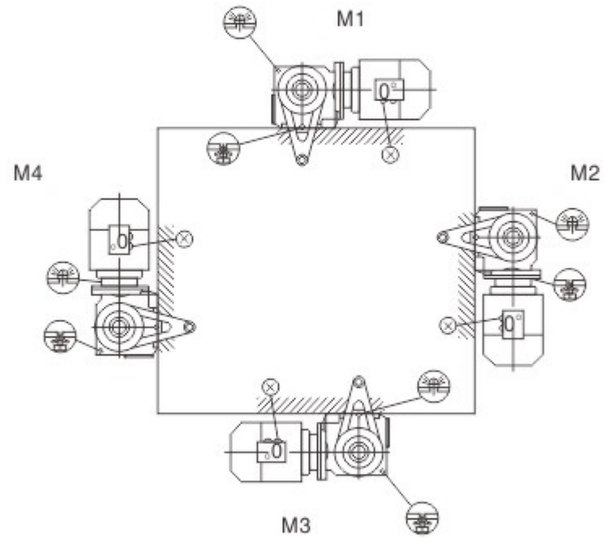


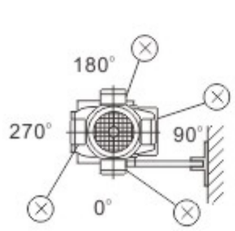


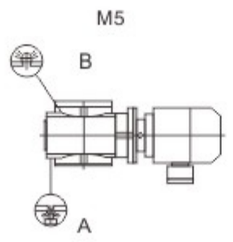


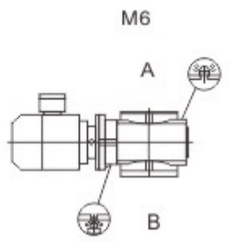
SA/SH37

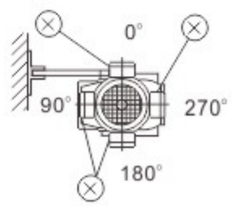


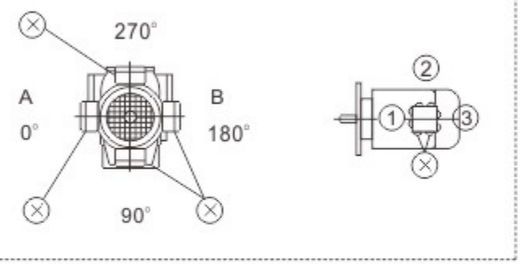


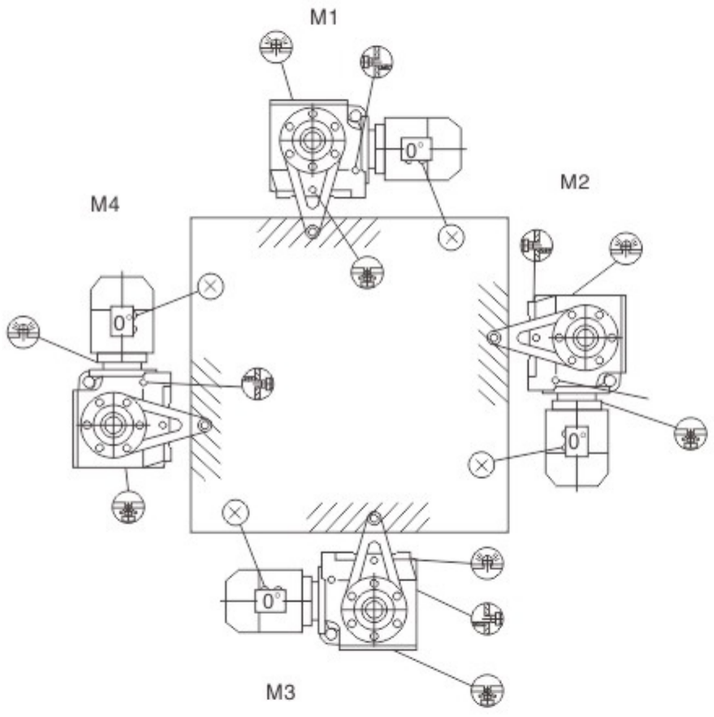


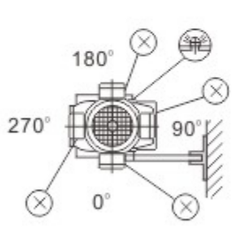


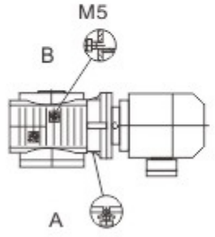


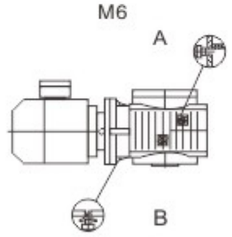


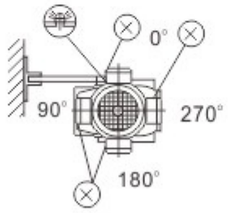












11. 尺寸信息
Information on dimension sheets

范围的分类
Scope dfclassification

▱ =作为标准部件提供
Standard parts supplied by
⬭ =不作为标准部件提供
Standard parts unsupplied by

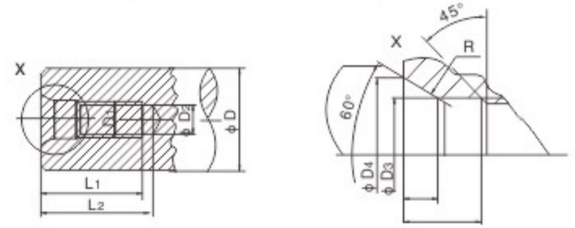
中心高公差
Shaft heights tolerances

h ≤250mm →–0.5mm
h >250mm →–1mm

地脚安装减速机：当配有电机时，电机可能已凸出到安装平面以下,请注意检查。
Foot–mounted gear units:The motor may project below the mounting surface when fitted,please check.

轴公差
Shaft tolerance

直径公差 Diameter tolerance
ϕ ≤50mm →ISOm6
ϕ >50mm →ISOm6
按照DIN332标准有DR型中心孔：
Center holes in accordance with DIN332.shape DR



输出轴直径ϕD Diameter or Output shaft	D1	D2	D3	D4	R	L1 +2	L2 min	L1	L4 ≈
ϕD=7–10mm	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
ϕD>10–13mm	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
ϕD>13–16mm	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
ϕD>16–21mm	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
ϕD>21–24mm	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
ϕD>24–30mm	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
ϕD>30–38mm	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
ϕD>38–50mm	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
ϕD>50–85mm	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
ϕD>85–130mm	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
ϕD>130mm	M30	26.5	21.0	42.6	50.0	63.0	85.0	20.0	10.0

空心轴
Hollow shaft

键：根据DIN6885确定（圆头平键）
keys: In accordance with DIN6885(domed type)
直径公差
Diameter tolerance

ϕ →ISOH7塞规测量
ISOH7 measured with plug gauge

花键轴
Mulitiple–spine shafts

Dm =测量棒直径 Measuring roller diameter
Me =检测尺寸 Inspection size

法兰
Flange

止口公差 Centering shoulder tolerance

ϕ ≤230mm(flange size A 120–A300) →ISOj6
ϕ >230mm(flange size A 350–A660) →ISOh6

对于每个规格的斜齿轮减速机\交流(制动)电机和防爆(制动)电机最多可提供三种不同尺寸的法兰，每种法兰的尺寸见相关尺寸表。
Up to three different flange dimensions are available for each size of helical gear units AC (brake) motor and explosion–proof AC (brake) motor. The possible flanges per size are indicted in the relevant dimension sheets.

起吊螺栓及吊耳
Lifting eyebolts, suspension eye lugs

电机机座号小于100的减速电机没有配备专门的运输吊装工具、其它的减速机和电机配有铸造的吊装孔，用螺栓固定在机体上的吊耳或吊环。
Motors up to DV 100 and Spiroplan geared motors are delivered without special reansport fixtures. Otherwise, the gear units and motors are equipped with cast–on suspension eye lugs, screw–on suspension eye lugs or sceew–on lifting eyebolts.

减速机/电机型规格 Gear unit/motor type	吊环/吊耳 Screw–on litting eyebolts /suspension eye lugs	铸造吊装孔 Cast–on suspension eye lugs
R/RF37–57	•	–
≥R67	•	–
F37–107	–	•
K37–107	–	•
S37–47	•	–
S57–97	–	•
≥DV112	•	–

通气阀
Breather valves

减速机尺寸图总是显示为螺塞，相应的螺塞在出厂前按照其定货要求的安装位置更换为通气阀。这意味着减速机的外形尺寸图稍有不同。
The gear unit dimension drawings are always shown with screw plugs. The corresponding sc –rew plug is replaced by an breather valve at the factory depending on with mounti–ngposition M1–M6 is ordered. This means the contour dimensions may be slightly different.

锁紧盘连接
Shrink disk connevtion

对于锁紧盘连接的空心轴减速机：若需要可向厂方索要关于锁紧盘的详细数据表。
Hollow shaft gear unit with shrink disk connection: If required please request a detailed data sheet on shrink disks form , data sheet no.33 753..95.

花键空心轴
Splined hollow shaft

FV..和KV..减速机从37到107可提供按ISO4762制作的花键空心轴
Hollow shaft gear units FV.. in sizes 37–107 and KV.. in sizes 37–107 are supplied with a splied hollow shaft to ISO4762.

FA/FH/FV的橡胶缓冲垫
Rubber buffer for FA/FH/FV

f为在力矩Mamax作用下橡胶缓冲垫被压缩的距离尺寸
f stands for the compressed dimension of Rubber buffer in the Manax torque.

制动电机
Brake motors

配制动电机时,G1B的尺寸代替G1;KB代K
In brake motors, dimensions G1B apply instead of G1 and KB instead of K

电机附件
Motor accessory

电机的尺寸因不同的电机附件而不同，请参考电机选择的尺寸图。
The motor dimensions may different as a result of motor accessory. Please refer to the dimensions of the moroe accseeory.

特殊应用
Special versions

接线盒的尺寸，在特殊应用如KS或CSA时与标准形式的尺寸不同。
The dimensions of the terminal box on spevial versions such as KS or CSA may different form the standard dimensions.