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SHANGHAI TECO ELECTRIC & MACHINERY CO., LTD.

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南 昌 电 话: 0791-88195999 传 真: 0791-88167730	NANCHANG TEL: 86-791-88195999 FAX: 86-791-88167730

ISO9001:2008

MD-10/2014-3000/第一版

齿轮减速电机选型手册

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ISO9001:2008

东元齿轮减速电机选型手册
TECO Geared Motor Selection Guide

BR系列斜齿轮减速电机
BF系列平行轴-斜齿轮减速电机
BK系列斜齿轮-伞齿轮减速电机
BS系列斜齿轮-蜗轮蜗杆减速电机

BR Helical Geared Motor
BF Parallel Shaft-Helical Geared Motor
BK Helical-Bevel Geared Motor
BS Helical-Worm Geared Motor

上海东元德高电机有限公司

http://www.tecochina.net

为您制订最佳经济的“一站式”解决方案，适合各种行业应用。

For you to make the best economic "one-shop" solution suitable for variety industry applications.

东元承诺 TECO PROMISE

一切以客户为导向，从客户观点订定决策，以符合或超越客户需求。

提供减速机、电机、变频器、PLC以及其他控制产品的模块化组合，可为您制订最佳经济的“一站式”解决方案，满足选型需求，持续提高产品竞争力。

全球化销售服务网络，以先进的技术，良好的管理向客户提供国际一流的产品和满意的服务。

Customer oriented. Decision-Making follow position of customer to meet customer need, even better.

By providing modular combination of Gear, Motor, Frequency Converter, PLC and other Control Product can make the best economic "one-shop" solution for you to meet demand, and continuously improving competitiveness.

Through global sale network, advantaged technology, and good management provide customer international first-class products and satisfactory service.

TECO Electric Machinery
Geared motor

稳健、创新、突破
Robust, Innovative, Breakthrough

东元历史 TECO MILESTONE

1957年　台湾第一家采用国际标准生产电机
1965年　采用机械自动化大量生产30HP以下电机，首创台湾每四分钟一台的生产记录
1971年　电机在台湾市场占有率高达44%，并外销日、美、澳等地
1977年　制造台湾最大型间接水冷式2000HP电机
1995年　购并美国西屋
2000年　成立苏州东元电机有限公司，从事小型电机制造
2002年　成立无锡东元电机有限公司，从事大型电机制造及销售
2004年　并购江西四通电机，江西东元正式成立，主要生产及销售大型电机
2008年　成立福建东元精工，在福安建设电机供应链中心
2012年　成立上海东元德高电机有限公司，作为东元集团在中国唯一的销售服务中心

In 1957　The first motor factory in Taiwan took international standards for motor production.
In 1965　Automatic mass-production of motor @ below 30HP, and record of motor production at 1set/4min. in Taiwan.
In 1971　Shared 44% motor market in Taiwan, and exported to Japan, America, Australia etc.
In 1977　Manufactured the largest indirect water cooling type motor @ 2000HP in Taiwan.
In 1995　Merged and Acquired Westinghouse Company in USA.
In 2000　TECO Suzhou was found, main products was small-scale motor.
In 2002　TECO Wuxi was found, main products was large-scale motor.
In 2004　TECO Jiangxi was set up through merging and acquisition with Jiangxi Sitong Motor Factory, main products was large scale motor.
In 2008　TECO Fujian was found to build the Motor's Supply Chain Center in Fuan.
In 2012　TECO Shanghai was found as the only Sales/Service Headquarter in China for TECO Group.

认证证书 CERTIFICATE

TECO

东 元 集 团
www.tecochina.net

contents

TECO, a famous globalize enterprise group, share the forefront in global industrial motor of the world; and it has successfully diversified into a highly competitive development conglomerate with worldwide business operations including heavy electrical, home appliance, electronics, IT system, telecommunications equipment, financial investment from the motor giant enterprises. TECO Group currently has nearly hundred oversea affiliates and subsidiaries, and the total global employee amount is over tens of thousands. It has a wide range technology cooperation with many world famous enterprises, such as GE, Japan Yaskawa, the U.S. Westinghouse, Siemens of Germany, Japan, Hitachi, Mitsubishi and so on, its business territory has been extended to Asia, America, Europe, Australia, and became known as a well-known World Group, TECO had become an international brand.

Since its founding in August of 2012, Shanghai TECO Electric & Machinery Co., Ltd integrated four manufactories base that located in Suzhou, Wuxi, Jiangxi, Fujian . to co-ordinate marketing services for China users, bring Taiwan TECO gear reducer in mainland China year 2013. Shanghai TECO Electric & Machinery Co., Ltd is one of the subsidiaries of Taiwan TECO Electric and Machinery, is also the sales headquarters in mainland China and specialiaing in marketing various motors and gear reducer. Now the sales range of introduction motors had across the country, the strength of motor development range is available in low, medium and high voltage (up to 13,800 volts) Premium efficiency and high performance motors, range from 1/4HP to 60,000 HP. At the same time as the only sales window of the TECO Group in mainland, Shanghai TECO sales all the motors such as asynchronous, synchronous, DC motors which prnduced by Taiwan TECO, TECO Westinghouse and other overseas factories.

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东元集团简介

东元集团目前全球工业马达占有率名列前茅，位于世界前列；并从电机巨人企业发展为横跨重电、家电、电子、信息、通讯、金融投资等六个产业群的具有高度竞争力的多元化经营的企业集团。东元集团目前计约近百家海外关系企业，分布在全球的东元员工达万人以上，并广泛与世界著名企业美国GE、日本安川、美国西屋、德国西门子、日本日立、三菱等进行机电技术合作，其事业版图已扩展至亚洲、美洲、欧洲、澳洲，成为知名的世界集团，TECO已成为国际品牌。

2012年8月成立上海东元德高电机有限公司，整合东元在苏州、无锡、江西、福建四大电机生产基地。为了统筹营销服务中国用户，将台湾东元减速机于2013年引入大陆生产。上海东元是台湾东元电机集团的子公司之一，亦是东元在中国大陆的销售总部，专业从事电机及减速机的销售工作，目前异步电动机的销售范围已辐射全国各地，拥有从1/4HP到60,000HP低中高压马达与13,800V超高电压完整范围的马达研制实力。同时作为东元集团在大陆的唯一销售窗口，提供台湾东元、美国东元西屋等海外工厂生产的异步、同步、直流等各种电动机。上海东元德高电机有限公司以先进的技术，良好的管理向客户提供国际一流的产品和满意的服务。

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所列产品内容仅供您参考，如有变更将不另行通知。
All date presented is for reference only and subject to change without notice.

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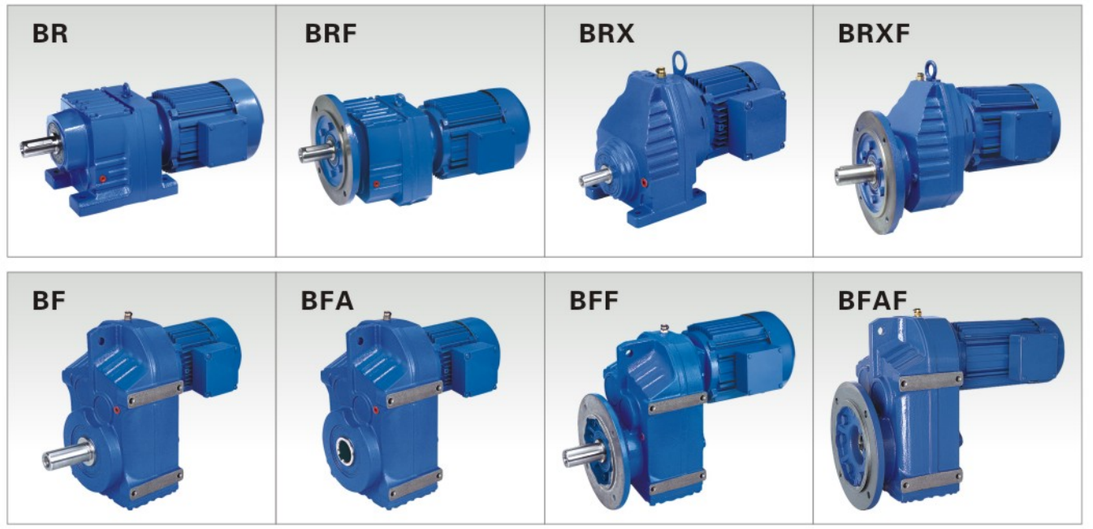

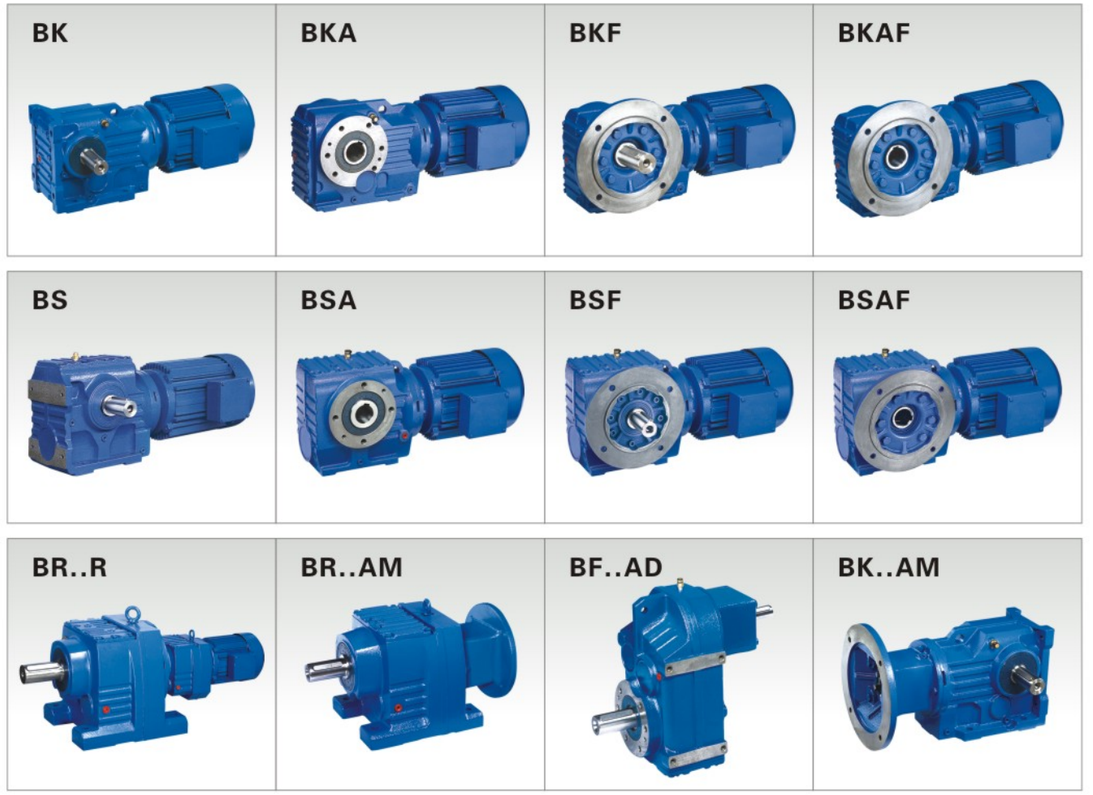

2. 产品概述
Product overview

2.1 产品说明
2.1 Product introduction

TECO系列齿轮减速机是具有国际先进水平的传动产品，包括BR系列斜齿轮减速电机、BF系列平行轴-斜齿轮减速电机、BK系列斜齿轮-伞齿轮减速电机、BS系列斜齿轮-蜗轮蜗杆减速电机。

TECO系列产品遵循模块化、最优化设计理念，运用有限元分析技术，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，具备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。

我公司还备有双联型减速电机（输入端加装一个斜齿轮减速器）、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。

TECO's gear reducer as a kind of driving products is in international advanced level, including BR series Helical gear reducer motor, BF series Parallel shaft helical gear reducer motor, BK series Helical bevel gear reducer motor, BS series Helical turbo-worm gear reducer motor.

TECO's gear reducer is using modularization and optimization design with finite element analytical technique to ensure advanced design, and adopt special low-noise gear design to ensure the fine classifying in transmission ration. TECO can supply millions of transmission ration and assembly methods and assembly methods which can meet all of requirement from customers. TECO is dedicated to produce high precision and free reducer maintenance gear motor by strict control and management in material supplying and production process.

As well, TECO provides some optional accessories for selection, as duplex gear motor (one more helical gear reducer is assembled), locking disk, spline hollow shaft, B14 flange etc. If needed, please contact our sales person for information.

2.2 产品特点
2.2 Description

配有国际规格IEC60034-30的IE3或IE4高效电机，有效节省能源成本，且可承接各国频压。

采用市场上的通用的行业标准，外型安装尺寸与大多数德系减速电机制造商的产品兼容，通用性好，便于客户安装。

结构紧凑，耐冲击性强。

传动更平稳，噪音更小。

更长的使用寿命，可靠性高。

规格齐全，供货的功率范围为0.12KW-200KW的同轴式、平行轴式和斜齿轮-伞齿轮减速电机，斜齿轮蜗轮蜗杆减速电机供货功率范围为0.12-22KW。其速比更大，性能出众。

多样化安装方式，如立式、卧式、马达直连式等，更加灵活，可按照客户要求选用。

减速机箱体采用灰铸铁（HT250），具有较好的耐磨性、铸造性和可切削性。

采用优质低碳合金钢，具有抗冲击、耐磨、良好的韧性特点等。

Teco gear reducer motor is produced according to IEC60034-30, in IE3 and IE4 high efficiency level to save power. It is available for us to supply all reducer at various frequency and voltage per requirement.

Teco gear motor adopts the common standard of motor industry. The outline dimension is compatible with most of gear motors manufactured by German company, in good versatility and easy in mounting.

Our parts have compact structure, high impact resistance, stable running stable and low noise, long lifetime, high reliability.

The reducer motor specification is, for Co-axial, parallel and helical bevel gear reducer motor with power from 0.12-200KW, for helical turbo-worm gear reducer motor with power from 0.12-22KW, which has excellent performance such as bigger speed ratio.

The mounting methods as: vertical, horizontal, direct connected to motor and etc, which is in diversity and more flexible for customer's selection.

The gearbox is made from gray casting iron (HT250), with greater wear resistance, casting and machinability.

Gear is produced from high quality low carbon alloy steel, with excellent performance in impact resistance, wear resistance and toughness.

3. 型号说明
Model notes

3.1 减速电机符号说明
3.1 Reducer model introduction

T	BR	F	77	DT	112	M	4	/	BMG	/	V	/	HF	TF	29.00	/	Φ300	/	M1	/	180°
①	②	③	④	⑤	⑥	⑦	⑧		⑨		⑩		⑪	⑫	⑬		⑭		⑮		⑯

T 特殊代码
无代码--常规产品
T--特制产品

Special code
No code--Conventional products
T--Special products

BR 产品代码
BR--斜齿轮减速电机
BF--平行轴-斜齿轮减速电机
BK--斜齿轮-伞齿轮减速电机
BS--斜齿轮-蜗轮蜗杆减速电机

Product code
BR--Helical geared motor
BF--Parallel Shaft-Helical geared motor
BK--Helical-Bevel geared motor
BS--Helical-Worm geared motor

F 装配型式
无代码--底脚安装
F--法兰安装
..F--底脚法兰安装
M--法兰安装带加长轴承箱
X--底脚安装单级传动
XF--法兰安装单级传动

Installation type
No code--Feet mounted
F--Flange mounted
..F--Feet and flange mounted
M--Flange mounted with extended bearing housing
X--Single stage feet mounted
XF--Single stage flange mounted

77 减速机规格号
77--减速机规格号为77

Gear unit size
77--Gear unit size 77

DV 电动机
DV--电机框号132以上
DT--电机框号132及以下

Electromotor
DV--Motor frame size above 132
DT--Motor frame number 132 and below

112 电动机规格代号
112--电机中心高为112mm

Frame size
112--Height of motor center is 112mm

M 电动机定子铁心长度代号
D、K、N、S、M、ML、L

Stator length
D、K、N、S、M、ML、L

4 电动机极数
4--电动机极数为4

Number of poles
4--4 Poles

BMG 制动器
无代码--无制动器
BMG--制动器

Brake
No code--No brakes
BMG--Brakes

V 强制冷风扇
无代码--无强制冷风扇
V--强制冷风扇（交流380V）
VS--强制冷风扇（交流220V）

For the strong cooling fan
No code--No forced cooling fan
V--Forced cooling fan (AC 380V)
VS--Forced cooling fan (AC 220V)

HF 手动释放装置
无代码--无手动释放装置
HF--手动释放装置，带自动锁功能
HR--手动释放装置，不带自动锁功能

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

TF 电机热保护
无代码--无电机热保护装置
TF--电机热保护装置

Thermistor
No code--No thermistor
TF--Thermistor sensor

29.00 减速机传动比
29.00--减速机传动比为29.00

Ratio
29.00--Ratio 29.00

Φ300 法兰盘大小
Φ300--输出法兰外径为300mm

Flange Size
Φ300--Output flange diameter is 300mm

M1 安装位置
M1--安装型式图中M1位置

Mounting position
M1--Mounting position M1

180° 接线盒位置
无代码--安装型式
图中0°位置
180°--安装型式
图中180°位置

Terminal box position
No Code--Terminal box position is 0°
180°--Terminal box position is 180°

T	BF	A	77	DT	112	M	4	/	BMG	/	V	/	HF	TF	29.91	/	G	/	M1	/	180°
①	②	③	④	⑤	⑥	⑦	⑧		⑨		⑩		⑪	⑫	⑬		⑭		⑮		⑯

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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

Unit model
Nocode--Feet mounted
F--Flange mounted
A--Hollow shaft mounted
AF--Flange mounted with hollow shaft

77 减速机规格号
77--减速机规格号为77

Gear unit size
77--Gear unit size 77

DV 电动机
DV--电机框号132以上
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Electromotor
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DT--Motor frame number 132 and below

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112--电机中心高为112mm

Frame size
112--Height of motor center is 112mm

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Stator length
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29.91 减速机传动比
29.91--减速机传动比为29.91

Ratio
29.91--Ratio 29.91

G 扭矩臂
无代码--无扭矩臂
G--扭矩臂

Torque arm
No code--No torque arw
G--Torque arm

M1 安装位置
M1--安装型式图中M1位置

Mounting position
M1--Mounting position M1

180° 接线盒位置
无代码--安装型式
图中0°位置
180°--安装型式
图中180°位置

Terminal box position
No Code--Terminal box position is 0°
180°--Terminal box position is 180°

T	BK	A	77	DT	112	M	4	/	BMG	/	V	/	HF	TF	29.27	/	B	/	T	/	M1	/	180°
①	②	③	④	⑤	⑥	⑦	⑧		⑨		⑩		⑪	⑫	⑬		⑭		⑮		⑯		⑰

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DV 电动机
DV--电机框号132以上
DT--电机框号132及以下

Electromotor
DV--Motor frame size above 132
DT--Motor frame number 132 and below

112 电动机规格代号
112--电机中心高为112mm

Frame size
112--Height of motor center is 112mm

M 电动机定子铁心长度代号
D、K、N、S、M、ML、L

Stator length
D、K、N、S、M、ML、L

4 电动机极数
4--电动机极数为4

Number of poles
4--4 Poles

BMG 制动器
无代码--无制动器
BMG--制动器

Brake
No code--No brakes
BMG--Brakes

V 制强制冷风扇
无代码--无强制冷风扇
V--强制冷风扇 (交流380V)
VS--强制冷风扇 (交流220V)

For the strong cooling fan
No code--No forced cooling fan
V--Forced cooling fan (AC 380V)
VS--Forced cooling fan (AC 220V)

HF 手动释放装置
无代码--无手动释放装置
HF--手动释放装置，带自动锁功能
HR--手动释放装置，不带自动锁功能

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

TF 电机热保护
无代码--无电机热保护装置
TF--电机热保护装置

Thermistor
No code--No thermistor
TF--Thermistor sensor

29.27 减速机传动比
29.27--减速机传动比为29.27

Ratio
29.27--Ratio 29.27

B 轴指向
A--轴指向为A
B--轴指向为B
AB--双输出轴

Position of the output shaft
A--Shaft with A
B--Shaft with B
AB--Shaft with A+B

T 扭矩臂
无代码--无扭矩臂
G--扭矩臂

Torque arm
No code--No torque arw
G--Torque arm

M1 安装位置
M1--安装型式图中M1位置

Mounting position
M1--Mounting position M1

180° 接线盒位置
无代码--安装型式
图中0°位置
180°--安装型式
图中180°位置

Terminal box position
No Code--Terminal box position is 0°
180°--Terminal box position is 180°

T BS A 77 DT 112 M 4 / BMG / V / HF TF 28.41 / T / d45 / B / M1 / 180°

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱

T 特殊代码
无代码--常规产品
T--特制产品

Special code
No code--Conventional products
T--Special products

BS 产品代码
BR--斜齿轮减速电机
BF--平行轴-斜齿轮减速电机
BK--斜齿轮-伞齿轮减速电机
BS--斜齿轮-蜗轮蜗杆减速电机

Product code
BR--Helical geared motor
BF--Parallel Shaft-Helical geared motor
BK--Helical-Bevel geared motor
BS--Helical-Worm geared motor

A 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

Unit model
Nocode--Feet mounted
F--Flange mounted
A--Hollow shaft mounted
AF--Flange mounted with hollow shaft

77 减速机规格号
77--减速机规格号为77

Gear unit size
77--Gear unit size 77

DV 电动机
DV--电机框号132以上
DT--电机框号132及以下

Electromotor
DV--Motor frame size above 132
DT--Motor frame number 132 and below

112 电动机规格代号
112--电机中心高为112mm

Frame size
112--Height of motor center is 112mm

M 电动机定子铁心长度代号
D、K、N、S、M、ML、L

Stator length
D、K、N、S、M、ML、L

4 电动机极数
4--电动机极数为4

Number of poles
4--4 Poles

BMG 制动器
无代码--无制动器
BMG--制动器

Brake
No code--No brakes
BMG--Brakes

V 制强制冷风扇
无代码--无强制冷风扇
V--强制冷风扇 (交流380V)
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HF--手动释放装置，带自动锁功能
HR--手动释放装置，不带自动锁功能

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No code--No brake release
HF--Manual release (lock in the brake release position) brake release
HR--Manual release (automatic braking position)

TF 电机热保护
无代码--无电机热保护装置
TF--电机热保护装置

Thermistor
No code--No thermistor
TF--Thermistor sensor

28.41 减速机传动比
28.41--减速机传动比为2841

Ratio
28.41--Ratio 28.41

T 扭矩臂
无代码--无扭矩臂
G--扭矩臂

Torque arm
No code--No torque arw
G--Torque arm

d45 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）

Hollow shaft diameter
d45--Hollow shaft diamerter is 45

B 轴指向
A--轴指向为A
B--轴指向为B
AB--双输出轴

Position of the output shaft
A--Shaft with A
B--Shaft with B
AB--Shaft with A+B

M1 安装位置
M1--安装型式图中M1位置

Mounting position
M1--Mounting position M1

180° 接线盒位置
无代码--安装型式
图中0°位置
180°--安装型式
图中180°位置

Terminal box position
No code--Terminal box position is 0°
180°--Terminal box position is 180°

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

BR/BF/BK/BS减速电机
Gear motor

下表列出了可提供的斜齿轮 (BR)、平行轴 (BF)、斜齿轮-伞齿轮 (BK) 和斜齿轮-蜗轮蜗杆 (BS) 减速电机型号。

There are the types of Helical (BR), Parallel shaft-Helical (BF), Helical-Bevel (BK) and Helical-Worm (BS) geared motors. we supplied in the table.

型号 Model	减速电机 Gear motor			
	斜齿轮 (BR) Helical	平行轴 (BF) Parallel shaft	斜齿轮-伞齿轮 (BK) Helical bevel	斜齿轮-蜗轮蜗杆 (BS) 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)	•	•3)	–
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 mouted	–	•	•	–
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
– 不可用
1) 也可带力矩臂
2) 仅用于BR17-BR87
3) 仅用于BK127-BK157

・The normal type
– Can't use
1) You can use torque arm
2) Only used for BR12-BR87
3) Only used for BK127-BK157

多级减速电机
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 restrict the motor power according the maximum permitted output torque.

搅拌专用减速电机
BRM geared motor

BRM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。

BRM 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 applications subject to high 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

根据需要可把机械制动与电机及减速电机合成一体提供。制动器是由带直流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 with 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 springs back automatically and the setscrew can be locked. The brake is activated by a brake control system which is in the wiring switch cabinet.

3.3 减速器及附件的名称
3.3 Unit designations for gear units and options

斜齿轮减速器
Helical gear units

BR..	底脚安装 Foot–mounted
BRF..	法兰安装 Flange–mounted
BR..F	底脚–法兰安装 Foot and flange–mounted
BRM..	带加长轴承箱，法兰安装 Flange–mounted with the extended bearing housing
BRX..	单级底脚安装 Single–stage flange–mounted
BRXF..	单级法兰安装 Single–stage foot–mounted

平行轴减速器
Parallel shaft helical gear units

BF..	底脚安装 Foot mounted
BFA..B	底脚安装，空心轴 Flange mounted with hollow shaft
BFH..B	底脚安装，带锁紧盘空心轴 Foot mounted with hollow shaft and shrink disk
BFV..B	底脚安装，带花键空心轴 Foot mounted with hollow shaft and splined hollow shaft
BFF..	B5法兰安装 B5 flange mounted
BFAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
BFHF..	B5法兰安装，带锁键盘空心轴 B5 flange mounted with hollow shaft and shrink disk
BFVF..	B5法兰安装，带花键空心轴 B5 flange mounted with spined hollow shaft disk
BFA..	空心轴安装 Hollow shaft mounted
BFH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
BFV..	带花键空心轴安装 Splined hollow shaft mounted
BFAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
BFHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk
BFVZ..	B14法兰安装，带花键盘空心轴 B14 flange mounted with splined hollow shaft

斜齿轮–伞齿轮减速器
Helical–Bevel gear units

BK..	底脚安装 Foot mounted
BKA..B	底脚安装，空心轴 Foot mounted with hollow shaft
BKH..B	底脚安装，带锁紧盘空心轴 Foot mounted with hollow shaft and shrink disk
BKV..B	底脚安装，带花键空心轴 Foot mounted with hollow shaft and splined hollow shaft
BKF..	B5法兰安装 B5 flange mounted
BKAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
BKHF..	B5法兰安装，带锁键盘空心轴 B5 flange mounted with hollow shaft and shrink disk
BKVF..	B5法兰安装，带花键空心轴 B5 flange mounted with spined hollow shaft disk
BKA..	空心轴安装 Hollow shaft mounted
BKH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
BKV..	带花键空心轴安装 Splined hollow shaft mounted
BKAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
BKHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk
BKVZ..	B14法兰安装，带花键空心轴 B14 flange mounted with spined hollow shaft

斜齿轮–蜗轮蜗杆减速器
Helical–Worm gear units

BS..	底脚安装 Foot mounted
BSF..	B5法兰安装 B5 flange mounted
BSAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
BSHF..	B5法兰安装，带锁键盘空心轴 B5 flange mounted with hollow shaft and shrink disk
BSA..	空心轴安装 Hollow shaft mounted
BSH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
BSAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
BSHZ..	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

电机选项
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 disengaging
/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3×380–415V_{AC}，50HZ Forced cooling fan.3×380–415V_{AC}, 50HZ
/VS	强制冷风扇1×220–266V_{AC}，50HZ Forced cooling fan.1×220–266V_{AC},50HZ
/VR	强制冷风扇1×24V_{DC} Forced cooling fan.1×24$_{DC}$
/Z	高惯量飞轮风扇 Additional flywheel mass
/C	风扇保护罩 Protection cowl for the fan guard
–SRD	辊道电机 Roller motor

编码器附件
Encoder on AC motor options

/AV1Y	绝对值编码器，MSI和sin/cos信号，24V_{DC}电源 Absolute encoder with solid shaft. MSI and sin/cos signals and 24V_{DC} supply
/ES..T	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
/ES..S	扩展轴编码器，sin/cos信号，24V_{DC}电源 Encoder with spread shaft. Sin/cos signals and 24V_{DC} supply
/ES..R	扩展轴编码器，TTL（RS–422）信号，24V_{DC}电源 Encoder with spread shaft,TTL(RS–422)signals and 24$_{DC}$supply
/ES..C	扩展轴编码器，HTL Encoder with spread shaf
/EV1T	实心轴编码器，TTL（RS–422）信号，5V_{DC}电源 Encoder with spread shaft. TTL(RS–422)signals and 5V_{DC}supply
/EV1S	实心轴编码器，sin/cos信号，24V_{DC}电源 Encoder with spread shaft. signals and 24V_{DC} supply
/EV1R	实心轴编码器，TTL（RS–422）信号，24V_{DC}电源 Encoder with spread shaft. TTL(RS–422)signals and 24V_{DC} supply
/EV1C	实心轴编码器，HTL Encoder with spread shaft

编码器安装附件
Mounting device for encoder 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. 减速器选型
Selection of gear reducer

4.1 传动装置选型数据
4.1 Drive selection data

准确地确定所需传动装置，下表所列的数据是必需的：
Certain data are essential to specify the components for your drive. These are.

传动装置选型数据 Drive selection data		
n_{amin}	最小输出转速 Minimum output speed	[rpm]
n_{amax}	最大输出转速 Maximum output speed	[rpm]
P_a at n_{amin}	最低输出转速下的输出功率 Output power at minimum output speed	[kW]
P_a at n_{amax}	最高输出转速下的输出功率 Output power at maximum output speed	[kW]
M_a at n_{amin}	最低输出转速下的输出扭矩 Output torque at minimum output speed	[Nm]
M_a at n_{amax}	最高输出转速下的输出扭矩 Output torque at minimum output speed	[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，请确定径向力准确的作用点、作用角度和轴的旋转方向以便进行校核计算。 Overhung load on output shaft. Assumes force application is in the center of 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	输出轴轴向负载（拉力和压力） Axial load (tension and compression) on output shaft	[N]
J_{load}	被驱动件的转动惯量 Mass moment of inertia to be driven	[10^{-4}kgm^2]
BR/F/K/S M1–M6	所需减速机类型和安装位置 Required gear unit type and mounting position (→sec. Mounting positions, churning losses)	–
IP..	外壳防护等级 Required protect rank	–
ϑ_{env}	环境温度 Ambient temperature	[℃]
H	海拔高度 Altitude	[M above sea level]
S..,..%cdf	工作制和负载持续率cdf; 也可给出精确的负载周期图 Operating mode and intermittency factor cdf; alternatively, exact load cycle can be specified.	–
Z	启停频率；也可给出精确的负载周期图 Starting frequency; alternativly, exact load cycle can be specified	[No.per h]
f_{mains}	电源频率 Supply frequency	[Hz]
V_{mot} V_{brake}	电机工作电压和制动器电压 Operating voltage of motor and brake	[V]
M_B	所需制动力矩 Required braking torque	[Nm]
对于变频器运行：控制模式和设置范围 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 incorporating a positioning drive. The drive comprises a geard motor which is powered by and 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 medium speed –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 temperature 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	**Inverter selection** –Motor/inverter 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确定制动电阻	**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 and right–angle geared motors.

BR.BF.BK减速机
BR.BF.BK 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 varies according to the unmber of gear stages, between 94%(3–stage)and 98%(1–stage).

BS减速机
BS 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BR、BF、BK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

东元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 BR、BF or BK gear units, and thus be less efficient. The cause of factors are:

–Gear ratio of the helical–worm
–Input speed
–Gear unit temperature

TECO gear 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 $\eta\leq0.5$，那么斜齿轮蜗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我公司咨询。

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 helical–worm or Spiroplan gear unit is self–locking if the forwards efficiency $\eta\leq0.5$.A few helical–worm gear units with the largest gear ratio are statically self–locking. Please contact company 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 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 i range
1start (单头蜗杆)	approx.12%	approx.50-280
2start (双头蜗杆)	approx.6%	approx.20-75
3start (三头蜗杆)	approx.3%	approx.20-90
4start (四头蜗杆)	-	-
5start (五头蜗杆)	approx.3%	approx.6-25
6start (六头蜗杆)	approx.2%	approx.7-25

经过连续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
减速机的额定的负载范围内工作

The running-in phase normally lasts 24 hours. Helical-worm gear units achieve their 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我公司咨询。
如果可能，对于BR、BK和BS系列减速机尽量使用M1安装位置以确保较小的搅动损失。

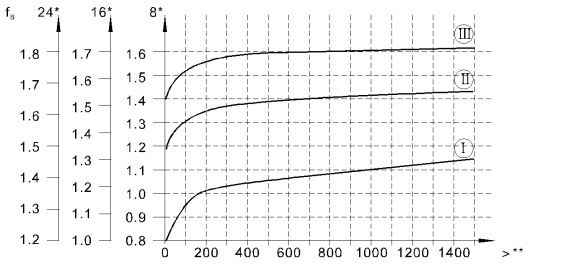
In certain gear unit mounting positions the first reduction stage is completely immersed in the lubricant. For large gear unit sizes and high circumferential velocities of the input stage, this gives rise to churning losses constituting a factor which cannot be ignored. Please contact company if you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

*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 frequency Z: The cycles include all staring and and braking procedures as well as changes from low tohigh and high to low speed.

负载类型
Load classification

三种负载类型：
Ⅰ、均匀载荷，允用的惯性加速系数≤0.2
Ⅱ、中等冲击载荷，允许的惯性加速系数≤0.3
Ⅲ、强冲击载荷，允许的惯性加速系数≤10

Three load classifications are differentiated:
Ⅰ. Uniform, approved mass acceleration factor≤0.2
Ⅱ. Moderate shock load, approved mass acceleration factor≤3
Ⅲ. Severe shock load, approved mass acceleration factor≤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:

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

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

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，
折算公式如下：$J_x=j\cdot(\frac{n}{n_M})2$

"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 formula: $J_x=j\cdot(\frac{n}{n_M})2$

J_x=相对于电机轴的外部转动惯量
J=相对于减速机输出轴的外部转动惯量
N=减速机的输出转速
N_M=电机转速

J_x=Reduced mass moment of inertia on the motor shaft
J=Mass moment of inertia referenced to the output speed of the gear unit
N=Output speed of the gear unit
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_B就大于1.8，此类情况请向我公司咨询。

"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 company in this case.

使用系数 f_B

确定最大持续运行扭矩M_{amax}和由此推导出的使用系统$f_B=M_{amax}/M_x$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_B=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（除斜齿轮蜗轮蜗杆减速机的蜗轮之外）。在一定条件下，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，请和我公司联系索取针对特殊驱动设备详细资料。

Service factor: f_B

The method for determining the maximum approved continuous torque M_{axax} and then deriving the service factor $f_B=M_{amax}/M_a$ is not defined in a standard and varies greatly from manufacturer to manufacturer. With their service factor $f_B=1$, 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 comparable to the information given details for your specific drive. If there is any questions, please contact company to get the special drive equipments' document in 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电机f_B值要≥1.51。

Mass acceleration factor 2.5(load classification II),14 hours/day operating time(check the figure at16h/d)and 300 cycles/hour produce a service factor f_B=1.51 as shown in Fig.2.According to the selection table, the selected motor must have an f_B Value of 1.15 or greater.

斜齿轮蜗杆减速机
Helical–worm gear untis

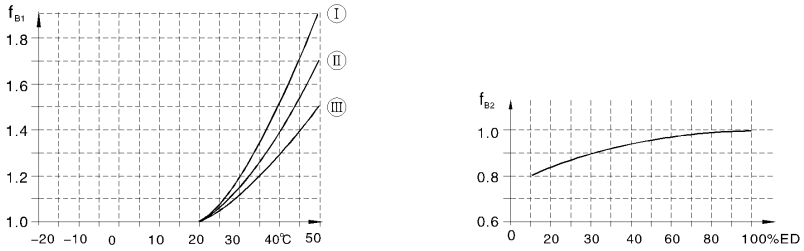
在斜齿轮蜗杆减速机中，除了已有图3中的使用系数f_B外还有两个使用系数f_{B1}、f_{B2}要考虑

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_{B1}=环境温度使用系统 Service factor from the ambient temperature
- f_{B2}=负载持续系数 Service factor from the cyclic duration factor

附加的使用系数f_{B1}、f_{B2}可通过图4确定，确定f_{B1}时用和确定f_B同样的方法考虑负载类型。

Additional service factors f_{B1} and f_{B2} can be determined by diagrams is Fig.4.For the f_{B1}factor,we can define it Just in the same way as f_B.



图：附加使用系数 f_{B1}和f_{B2}
Additional service factors f_{B1} and f_{B2}

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

确定f_{B1}时，环境温度低于–20℃请向我公司咨询。
Please contact company case of temperatures below –20℃(→f_{B1}).

斜齿轮蜗轮蜗杆减速机总的使用系数$f_{B(o)}$按下式计算
The total service factor for helical–worm gear units is calculated as follows: $F_{b(o)}=f_B \cdot f_{B1} \cdot f_{B2}$

举例
Example

若前一个例子使用系统f_B=1.51的减速机是斜齿轮蜗轮蜗杆减速机，
环境温度=40℃→f_{B1}=1.38(负载类型II)
负载工作时间40分钟/小时cdf=66.7% f_{B2}=0.95
根据选型表，所选的斜齿轮蜗轮蜗杆减速机的f_B则应≥1.98。

If the geared motor with the service factor f_B=1.51 in the prevenient example is a helical–worm geared motor.
Ambient temperature υ =40℃→f_{B1}=1.38(read off at load classification II)
Time under load=40min/h→cdf=66.7%→f_{B2}=0.95
The total service factor is $F_{B(o)}=1.51 \cdot 1.38 \cdot 0.95=1.98$
According to the selection tables, the selected helical–worm geared motor must have a f_B value of 1.98 or greater.

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列于下表：
When determining the overhung load, the type of transmission element mounted on the shaft end must be comsidered. 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 ＜17teeth
链轮 Chain sprockets	1.40	＜13齿 ＜13teeth
链轮 Chain sprockets	1.25	＜20齿 ＜20teeth
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 gear shaft is the calculated as follows:

$$F_R=\frac{M_d \cdot 2000}{d_0} \cdot f_z$$

F_R	径向载荷(N)	F_R	Overhung load in N
M_d	力矩(N·m)	M_d	Torque in N·m
d_0	节园直径(mm)	d_0	Mean diameter of the mounted transmission element 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向我公司联系。

According the rate service life L_{H10} of the anti–friction bearings to define the 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 company in case 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∝和旋转方向已经按最不利的条件给予考虑。

The data refer to the radial force acting midway on the shaft end(with right–angle gear units on the A–side output).Worst case conditions have been asumed fot the force application angle ∝ and the direction of rotation.

对于BK和BS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%。

对于BK167和BK187减速电机 在安装位置M1–M4时；若安装与其安装位置示例有所区别情况下，其许用径向载荷最大只为选型表中F_{Ra}的50%。

地脚/法兰安装斜齿轮减速电机（BR..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 permitted in mounting position M1 with wall attachment on the front face for BK and BS gear units.

Helical–bevel geared motors BK167 and BK187 in mounting positions M1 to M4: If the mounting position is different the position we offered (M1–M4), the overhung load F_{Ra} lasted in the selection tables.

Foot and flange–mounted helical geared motors(BR..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} lasted the selection tables.

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

对于BR、BF和BK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∝，也可提高许用径向载荷，在此情况下，请和我公司联系。

It possible to achieve a higher overhung load by exactly considering the force application angle ∝ and the direction of rotation. In addition, higger output shaft loads are permitted if heavy duty bearings are installed, especially with BR、BF and BK gear units. Please contact company 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:

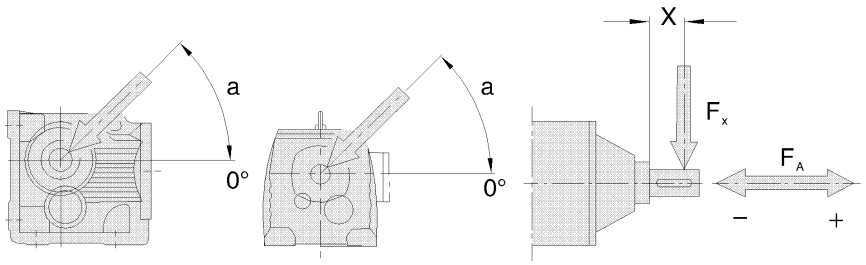


图: 受力定义
Fig: Defined of force application

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 axial loads

如果没有径向载荷，那么轴向载荷 F_A (+表示拉力, –表示压紧力) 依据表中径向负荷的50%给定是允许的，这适用于：

If there is no overhung load. then an axial load F_A (tension or compression) amountion to 50% of the overhung load given in the selection tables is approved. This applies to the following geared motors:

- 斜齿轮减速机 (BR..137到167除外)
- 平行轴斜齿轮减速机与斜齿轮–伞齿轮 (实心轴) 减速机 (BF97.. 除外)
- 实心轴斜齿轮蜗轮蜗杆减速机

- Helical geared motors except for BR..to BR..167..
- Parallel shaft and helical–bevel geared motors with solid shaft except for BF97..
- Helical–worm geared motors with solid shaft

对于其它类型的减速机请与公司咨询，以防过大的轴向载荷或轴向及径向的合成力。

Please contact company for all other types of gear units and in the event 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 the shaft e–nd. The smaller of the two value F_{XL} (according to bearing service life)and F_{XW} (according to shaft strength) is the approved value for the overhung load at pointx. Note that the calculation apply to M_{amax}.

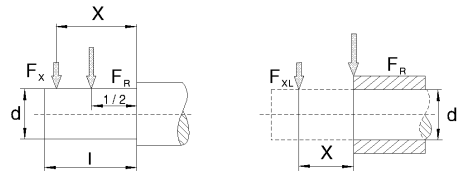
根据轴承寿命F_{XL}
F_{XL} acc.to bearing service life

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

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 constant 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/减速机常量
Gear unit constants for overhung load conversion

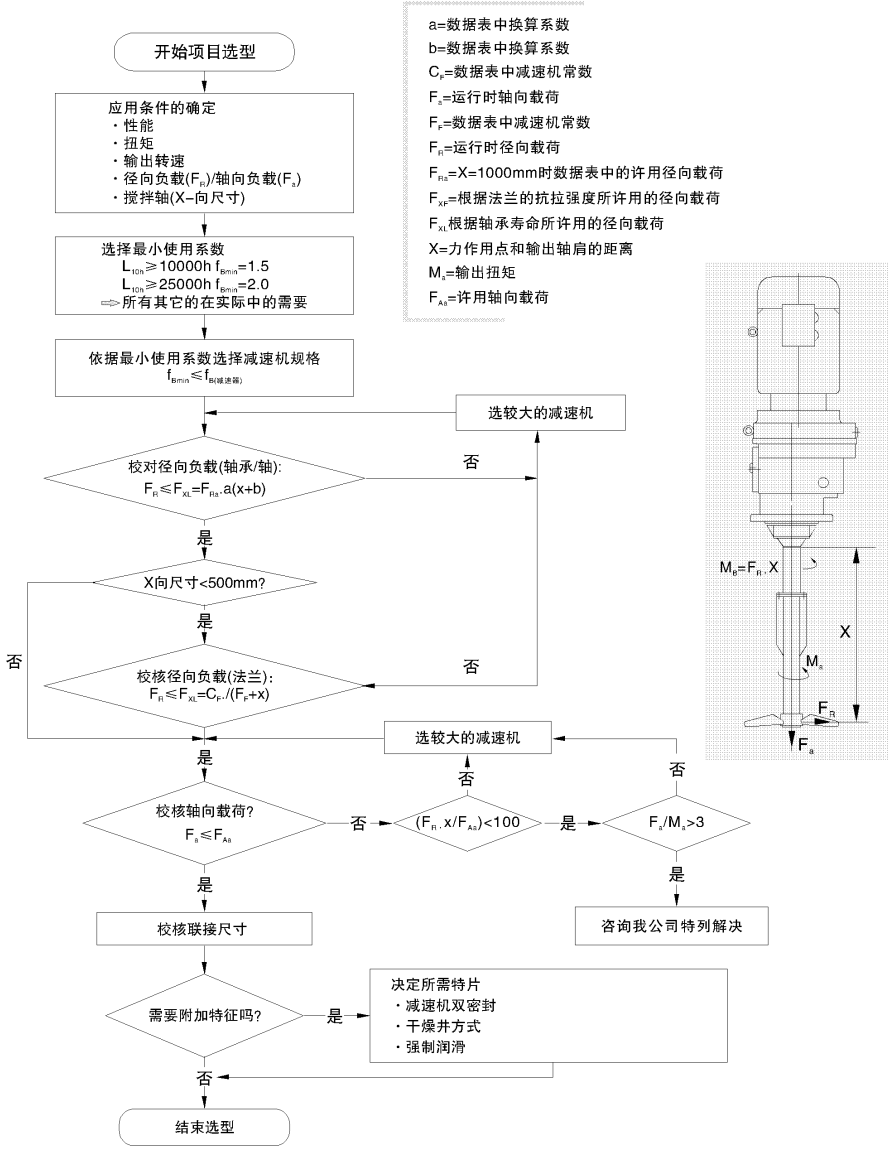
减速机常量 Gear unit type	a [mm]	b [mm]	c [Nmm]	f [mm]	d [mm]	l [mm]
BR17	88.5	68.5	6.527×10^{4}	17	20	40
BR27	106.5	81.5	1.56×10^{5}	11.8	25	50
BR37	118	93	1.24×10^{5}	0	25	50
BR47	137	107	2.44×10^{5}	15	20	60
BR57	147.5	112.5	3.77×10^{5}	18	35	70
BR67	168.5	133.5	2.51×10^{5}	0	35	70
BR77	173.7	133.7	3.97×10^{5}	0	40	80
BR87	216.7	166.7	8.47×10^{5}	0	50	100
BR97	255.5	195.5	1.19×10^{6}	0	60	120
BR107	285.5	215.5	2.06×10^{6}	0	70	140
BR137	343.5	258.5	6.14×10^{6}	30	90	170
BR147	402	297	8.65×10^{6}	33	110	210
BR167	450	345	1.26×10^{7}	0	120	210
BRX57	43.5	23.5	1.51×10^{5}	34.2	20	40
BRX67	52.5	27.5	2.42×10^{5}	39.7	25	50
BRX77	60.5	30.5	1.95×10^{5}	0	30	60
BRX87	73.5	33.5	7.69×10^{5}	48.9	40	80
BRX97	86.5	36.5	1.43×10^{6}	53.9	50	100
BRX107	102.5	42.5	2.47×10^{6}	62.3	60	120
BF37	123.5	98.5	1.07×10^{5}	0	25	50
BF47	153.5	123.5	1.78×10^{5}	0	30	60
BF57	170.7	135.7	5.49×10^{5}	32	35	70
BF67	181.3	141.3	4.12×10^{5}	0	40	80
BF77	215.8	165.8	7.87×10^{5}	0	50	100
BF87	263	203	1.19×10^{6}	0	60	120
BF97	350	280	2.09×10^{6}	0	70	140
BF107	373.5	288.5	4.23×10^{6}	0	90	170
BF127	442.5	337.5	9.49×10^{6}	0	110	210
BF157	512	407	1.05×10^{7}	0	120	210
BK37	123.5	98.5	1.41×10^{5}	0	25	50
BK47	153.5	123.5	1.78×10^{5}	0	30	60
BK57	168.7	134.7	6.8×10^{5}	31	35	70
BK67	181.3	141.3	4.12×10^{5}	0	40	80
BK77	215.8	165.8	7.69×10^{5}	0	50	100
BK87	252	192	1.64×10^{6}	0	60	120
BK97	319	249	2.8×10^{6}	0	70	140
BK107	373.5	288.5	5.53×10^{6}	0	90	170
BK127	443.5	338.5	8.31×10^{6}	0	110	210
BK157	509	404	1.18×10^{7}	0	120	210
BK167	621.5	496.5	1.88×10^{7}	0	160	250
BK187	720.5	560.5	3.04×10^{7}	0	190	320
BS37	118.5	98.5	6.0×10^{4}	0	20	40
BS47	130	105	1.33×10^{5}	0	25	50
BS57	150	120	2.14×10^{5}	0	30	60
BS67	184	149	3.04×10^{5}	0	35	70
BS77	224	179	5.26×10^{5}	0	45	90
BS87	281.5	221.5	1.68×10^{6}	0	60	120
BS97	326.3	256.3	2.54×10^{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.

4.6 BRM减速机

选型

当选用带加长轴承箱的BRM系列减速电机时，要考虑较高的径向和轴向负载，请按照下列步骤计算选型

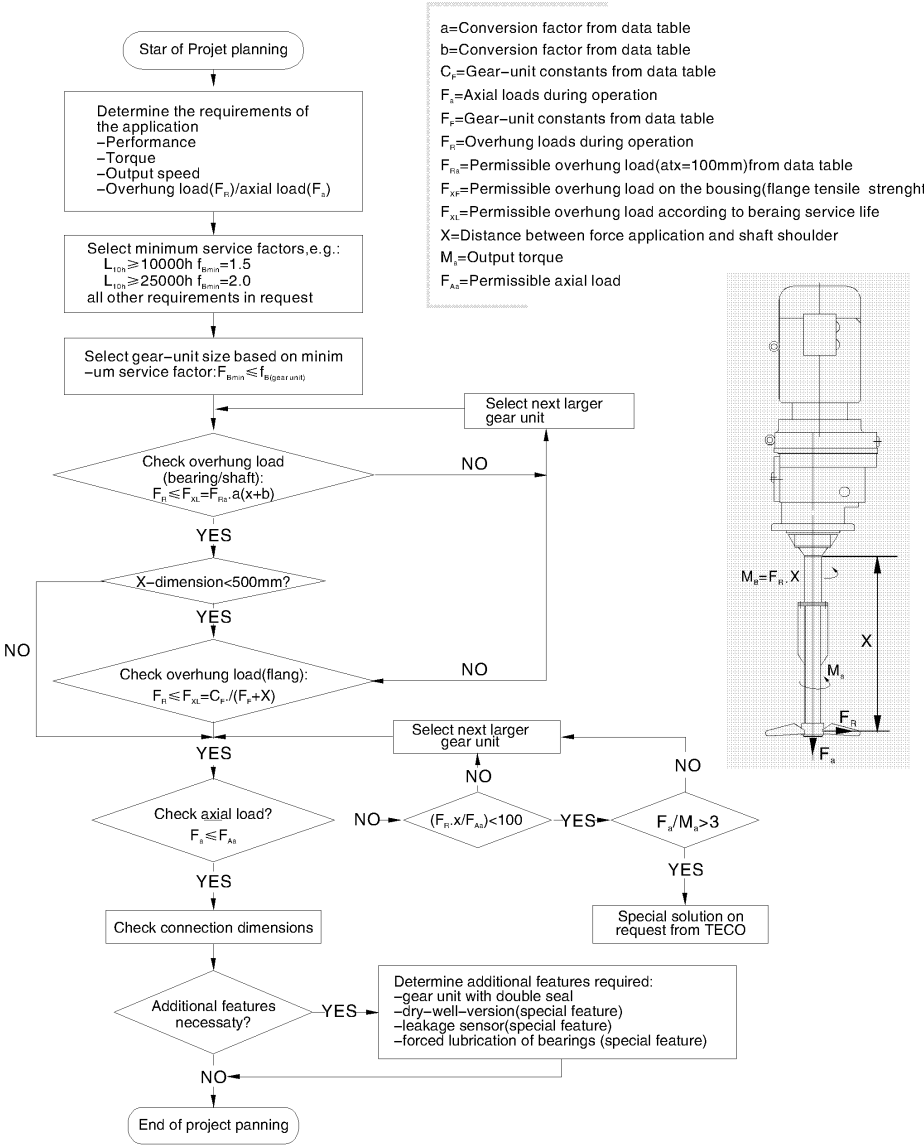


图：BRM选型流程图

4.6 BRM gear reducer

Project planning

You must take account of the higher overhung and axial loads when planning projects with RM helical geared motors with extended bearing hosing.Please adhere to the following project planning project planning procedure:



a=Conversion factor from data table
b=Conversion factor from data table
C_F=Gear–unit constants from data table
F_a=Axial loads during operation
F_F=Gear–unit constants from data table
F_R=Overhung loads during operation
F_{Ra}=Permissible overhung load(atx=100mm)from data table
F_{XF}=Permissible overhung load on the bousing(flange tensile strenght)
F_{XL}=Permissible overhung load according to beraing service life
X=Distance between force application and shaft shoulder
M_a=Output torque
F_{Aa}=Permissible axial load

BRM Project planning for RM gear units

允许径向和轴向负载
Permitted overhung loads and axial forces

根据不同的使用系数f_B和正常轴承寿命L_{H10}所确定的许用径向负载F_{Ra}和轴向负载F_{Aa}
The permitted overhung loads F_{Ra} and axial loads F_{Aa} are specified for variousservice factors f_B and normal bearing service life L_{H10}.

f_{Bmin}=1.5
L_{10h}=10000h

减速机型号 Gear unit size	Na[rpm]	<16	16–25	26–40	41–60	61–100	101–250	161–250	251–400
BRM57	F_{RA}[N]	400	400	400	400	400	405	410	415
	F_{RA}[N]	18800	1500	11500	9700	7100	5650	4450	3800
BRM67	F_{RA}[N]	575	575	575	580	575	585	590	600
	F_{RA}[N]	19000	18900	15300	11900	9210	7470	5870	5050
BRM77	F_{RA}[N]	1200	1200	1200	1200	1200	1210	1210	1220
	F_{RA}[N]	22000	22000	19400	15100	11400	9220	7200	6710
BRM87	F_{RA}[N]	1970	1970	1970	1970	1980	1990	2000	2010
	F_{RA}[N]	30000	30000	23600	18000	14300	11000	8940	8030
BRM97	F_{RA}[N]	2980	2980	2980	2990	3010	3050	3060	3080
	F_{RA}[N]	40000	36100	27300	20300	15900	12600	9640	7810
BRM107	F_{RA}[N]	4230	4230	4230	4230	4230	4230	3580	3830
	F_{RA}[N]	48000	41000	30300	23000	18000	13100	9550	9030
BRM137	F_{RA}[N]	8710	8710	8710	8710	7220	5060	3980	6750
	F_{RA}[N]	70000	70000	70000	57600	46900	44000	35600	32400
BRM147	F_{RA}[N]	11100	11100	11100	11100	11100	10600	8640	10800
	F_{RA}[N]	70000	70000	69700	58400	45600	38000	32800	30800
BRM167	F_{RA}[N]	14600	14600	14600	14600	14600	14700	–	–
	F_{RA}[N]	70000	70000	70000	60300	45300	36900	–	–

F_{Bmin}=2.0
L_{10h}=25000h

减速机型号 Gear unit size	Na[rpm]	<16	16–25	26–40	41–60	61–100	101–250	161–250	251–400
BRM57	F_{RA}[N]	410	410	410	410	410	415	415	420
	F_{RA}[N]	12100	9600	7350	6050	4300	3350	2600	2200
BRM67	F_{RA}[N]	590	590	590	595	590	595	600	605
	F_{RA}[N]	15800	12000	9580	7330	5580	4460	3460	2930
BRM77	F_{RA}[N]	1210	1210	1210	1210	1210	1220	1220	1220
	F_{RA}[N]	20000	15400	11900	9070	6670	5280	4010	3700
BRM87	F_{RA}[N]	2000	2000	2000	2000	2000	1720	1690	1710
	F_{RA}[N]	24600	19200	14300	10600	8190	6100	5490	4860
BRM97	F_{RA}[N]	3040	3040	3040	3050	3070	3080	2540	2430
	F_{RA}[N]	28400	22000	16200	11600	8850	6840	5830	4760
BRM107	F_{RA}[N]	4330	4330	4330	4330	4330	3350	2810	2990
	F_{RA}[N]	32300	24800	17800	13000	9780	8170	5950	5620
BRM137	F_{RA}[N]	8850	8850	8850	8830	5660	4020	3200	5240
	F_{RA}[N]	70000	59900	48000	37900	33800	31700	25600	23300
BRM147	F_{RA}[N]	11400	11400	11400	11400	11400	8320	6850	8440
	F_{RA}[N]	70000	60600	45900	39900	33500	27900	24100	22600
BRM167	F_{RA}[N]	15100	15100	15100	15100	15100	13100	–	–
	F_{RA}[N]	70000	63500	51600	37800	26800	23600	–	–

换算系数和减速器常数
Conversion factors and gear unit constants

下表是对于BRM减速电机在力作用点X≠1000mm时计算径向载荷F_{XL}所需的换算系数和减速器常数。
The following conversion factors and gear unit constants apply to calculating the permitted overhung load F_{XL} at paint X≠1000mm for BRM gear motors.

减速机型号 Gear unit size	a	b	$c_F(f_B=1.5)$	$C_F(f_B=2.0)$	F_r
BRM57	1047	47	1220600	1260400	277
BRM67	1047	47	2047600	2100000	297.5
BRM77	1050	50	2512800	2574700	340.5
BRM87	1056.5	56.5	4917800	5029000	414
BRM97	1061	61	10911600	11124100	481
BRM107	1069	69	15367000	15652000	554.5
BRM137	1088	88	25291700	25993600	650
BRM147	1091	91	30038700	31173900	756
BRM167	1089.5	89.5	42096100	43654300	869

BRM减速机的附加重量
Additional weights of BRM gear units

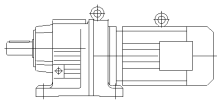
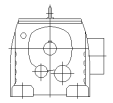
减速机型号 Gear unit size	在带有最小法兰尺寸RF减速机重量基础上的附加重量 Additional weight in addition to RF, related to the smallest RF flange △m[kg]
BRM57	12.0
BRM67	15.8
BRM77	25.0
BRM87	29.7
BRM97	51.3
BRM107	88.0
BRM137	111.1
BRM147	167.4
BRM167	195.4

TECO Electric Machinery
Geared motor

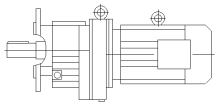
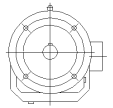
5. BR 斜齿轮减速电机
BR Helical geared motors

5.1 设计方案
5.1 Versions of geared motors

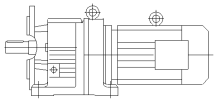
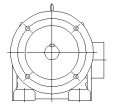
斜齿轮减速电机有以下设计方案：
The following types of helical–bevel motor can be supplied:

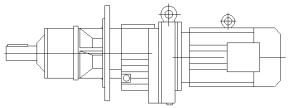
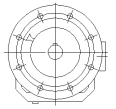
BR..D..
底脚安装斜齿轮减速电机
Foot–mounted helical geared motor

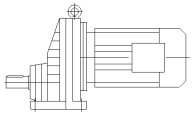
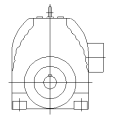
BRF..D..
法兰安装斜齿轮减速电机
Flange–mounted helical geared motor

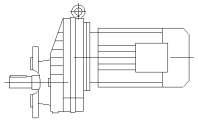
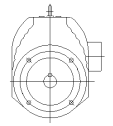
BR..F D..
底脚法兰安装斜齿轮减速电机(仅限于BR17–BR87)
Foot and flange–mounted helical geared motor

BRM..D..
法兰安装带长轴承箱的斜齿轮减速电机
Flange–mounted helical geared motor with extended bearing housing

BRX..D..
底脚安装单级斜齿轮减速电机
Single–stage foot–mounted helical geared motor

BRXF..D..
法兰安装单级斜齿轮减速电机
Single–stage flange–mounted helical geared motor

5.2 可行的组合方式
5.2 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 unit size	级 Stages	D63/D71	D80	D90	D100	D112	D132S	D132M
BRX/RXF57	1	1.65–5.50	1.30–4.35	1.30–3.79	1.30–2.64 3.14	1.30–2.64	1.30–2.04	1.30–2.04
BRX/RXF67	1	2.04–6.07	1.61–5.18	1.40–4.53	1.40–3.77	1.40–3.20	1.40–2.54	1.40–2.54
BRX/RXF77	1	2.70–8.00	2.13–6.41	1.42–5.63	1.42–4.73	1.42–4.04	1.42–3.25	1.42–3.25
BRX/RXF87	1		3.09–8.65	2.15–7.63	1.60–6.45	1.60–5.56	1.39–4.50	1.39–4.50
BRX/RXF97	1		4.04–8.23	2.92–8.23	2.24–8.23	2.24–7.16	1.42–5.79	1.42–5.79
BRX/RXF107	1				2.64–6.63	2.64–6.63	1.71–6.63	1.71–6.63
BR/RF17	2	3.83–25.23	3.83–19.71					
BR/RF17	3	24.07–81.64	24.07–81.64	3.37–8.16				
BR/RF27	2	3.37–28.37	3.37–22.32	10.13–19.35	3.37–6.59 10.13–15.63			
BR/RF27	3	24.47–135.09	24.47–105.49	24.47–48.17 61.30–90.96	24.47–32.47 39.25 61.30 74.11			
BR/RF37	2	3.41–28.32	3.41–22.27	3.41–19.31	3.41–15.60			
BR/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			
BR/RF47	2	4.85–7.76 10.15–33.79	3.83–26.74	3.83–23.26	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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/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
BR/RF107	3					40.37–251.15	29.49–203.16	29.49–203.16
BR/RF137	2				40.137–251.15		7.59 12.83–29.57	7.59 12.83–29.57
BR/RF137	3						32.91–222.60	32.91–222.60

续表 Continued

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180	D200	D225	D250M
BRX/RXF77	1	1.42–2.43	1.42–2.43					
BRX/RXF87	1	1.39–3.48	1.39–3.48	1.39–3.48	1.39–2.76			
BRX/RXF97	1	1.42–4.52	1.42–4.52	1.42–4.52	1.42–3.64	1.42–29.2		
BRX/RXF107	1	1.44–5.19	1.44–5.19	1.44–5.19	1.44–4.20	1.44–3.38	1.44–3.38	
BR/RF77	2	5.31–7.74 9.64–14.05	5.31–7.74 9.64–14.05					
BR/RF77	3	25.23–33.47	25.23–33.47					
BR/RF87	2	5.30–21.51	5.30–21.51	5.30–21.51	5.30–17.08			
BR/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			
BR/RF97	2	4.50–25.03	4.50–25.03	4.50–25.03	4.50–20.14	4.50–16.17		
BR/RF97	3	27.58–59.92 72.17–116.48	27.58–59.92 72.17–116.48	27.58–59.92 72.17–116.48	27.58–47.58 72.17–92.48	27.58–37.13 72.17		
BR/RF107	2	4.92–30.77	4.92–30.77	4.92–30.77	4.92–24.90	4.92–20.07	4.92–20.07	
BR/RF107	3	29.49–158.68	29.49–158.68	29.49–158.68	29.49–65.60 78.57–127.68	29.49–52.68 78.57–102.53	29.49–52.68 78.57–102.53	
BR/RF137	2	6.38–7.59 10.79–.29.57	6.38–7.59 10.79–.29.57	6.38–7.59 10.79–.29.57	5.15–29.57	5.15–24.12	5.15–24.12	5.15–19.04
BR/RF137	3	27.83–174.40	27.83–174.40	27.83–174.40	27.83–141.12	27.83–65.20 88.70–113.72	27.83–65.20 88.70–113.72	27.83–50.86 88.70
BR/RF147	2	7.25 11.99–20.44	7.25 11.99–20.44	7.25 11.99–20.44	5.89–7.25 9.74–20.44	5.00–20.44	5.00–20.44	5.00–20.44
BR/RF147	3	29.95–163.31	29.95–163.31	29.95–163.31	24.19–146.91	24.19–119.86	24.19–119.86	24.19–52.87 72.09–94.60
BR/RF167	2		14.48–46.00	14.48–46.00	11.99–37.74	10.24–30.71	10.24–30.71	10.24–24.57
BR/RF167	3		34.41–229.71	34.41–229.71	27.96–186.93	23.71–153.07	23.71–153.07	23.71–58.65 82.91–121.81

减速机型号 Gear unit size	级 Stages	D280	D315	D315M–A/B				
BR/RF147	2	5.00–20.44						
BR/RF147	3	24.19–52.87 72.09–94.60						
BR/RF167	2	10.24–24.57	10.24–19.03	10.24–14.48				
BR/RF167	3	23.71–58.65 82.91–121.81	23.71–44.87 82.91–93.19	23.71–34.41				

5.3 速比与最大扭矩
5.3 Ratio and max torque

BRX57–107 n_e=1400 1/min

BRX57 70Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
5.50	255	39	3080	AD_2
5.07	276	36	3030	
4.35	322	68	2640	
3.79	369	69	2480	
3.55	394	65	2420	
3.14	446	67	2320	
2.91	481	69	2170	
2.64	530	69	1810	
2.37	591	69	1500	AD_3
2.04	686	69	1070	
1.92	729	69	890	
1.65	848	69	430	
1.48	946	68	112	
1.30	1075	63	132	

BRX67 135Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
6.07	231	43	4010	AD_2
5.18	270	75	3580	
4.53	309	82	3350	
4.30	326	80	3300	
3.77	371	87	3090	
3.20	438	100	2800	AD_3
2.89	484	106	2640	
2.54	551	118	2000	
2.40	583	123	1530	
2.04	688	134	230	
1.86	753	126	225	
1.61	870	114	245	
1.40	1000	104	205	

BRX77 215Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
8.00	175	57	6330	AD_2
7.47	187	53	6200	
6.41	218	103	5600	
5.63	249	110	5300	
5.35	262	103	5240	
4.73	296	123	4900	AD_3
4.04	347	143	4500	
3.70	378	153	4290	
3.25	431	182	3200	AD_4
3.08	455	193	2560	
2.70	519	215	1110	
2.43	576	215	510	
2.13	657	200	435	
1.88	745	187	335	
1.67	838	173	315	
1.42	986	155	315	

BRX87 400Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
8.65	162	139	7890	AD_2
7.63	183	149	7490	
7.20	194	140	7380	
6.45	217	192	6850	AD_3
5.56	252	225	6320	
5.07	276	250	5980	
4.50	311	290	5500	AD_4
3.78	370	305	5030	
3.48	402	405	2730	AD_5
3.09	453	405	1950	
2.76	507	405	1200	
2.48	565	405	470	
2.14	651	385	42	
1.93	725	355	185	
1.60	875	315	74	
1.39	1005	290	74	

BRX97 600Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
8.23	170	225	9560	AD_3
7.16	196	260	8950	
6.56	213	300	8500	
5.79	242	420	7630	AD_4
4.91	285	395	7220	
4.52	310	595	6180	AD_5
4.04	384	595	5380	
3.64	385	595	4530	
3.30	434	595	3730	
2.92	479	595	2810	
2.64	530	595	1980	
2.24	625	595	495	
1.96	714	570	19	
1.64	854	505	51	
1.42	986	455	132	AD_8

BRX107 830Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
6.63	211	460	9700	AD_4
5.61	250	455	9080	
5.19	270	695	7850	AD_5
4.65	301	695	7450	
4.20	333	830	6420	
3.81	367	830	5550	
3.38	414	830	4490	
3.07	456	830	3600	AD_6
2.64	580	830	2210	
2.30	609	830	950	
1.95	718	765	600	
1.71	819	705	525	
1.44	972	645	360	

BR17–37 ne=1400 1/min

BR17 85Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
3–stage			
81.64	17	85	1890
70.39	20	85	1890
65.61	21	85	1890
57.35	24	85	1890
53.76	26	85	1890
47.44	30	85	1890
44.18	32	85	1890
38.61	36	85	1890
36.20	39	85	1890
31.94	44	85	1870
28.32	49	85	1780
24.07	58	85	1650
2–stage			
25.23	55	85	1690
23.15	60	85	1620
19.70	71	85	1500
16.99	82	85	1400
15.84	88	85	1350
13.84	101	85	1270
12.98	108	85	1230
11.45	122	81	1180
10.15	138	77	1140
8.63	162	72	1090
7.55	185	56	1040
7.04	199	55	1010
6.15	228	54	950
5.76	243	53	930
5.09	275	51	890
4.51	310	48	870
3.83	366	45	830

BR27 130Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
135.09	10	130	4230	AD_1
123.91	11	130	4230	
105.49	13	130	4230	
90.96	15	130	4230	
84.78	17	130	4230	
74.11	19	130	4230	AD_1
69.47	20	130	4180	
61.30	23	130	3980	
55.87	25	130	3840	
48.17	29	130	3630	
44.90	31	130	3530	
39.25	36	130	3350	
36.79	38	130	3260	
32.47	43	130	3100	
28.78	49	130	2950	
24.47	57	130	2770	
2–stage				
28.37	49	130	2940	AD_2
26.09	54	130	2840	
22.32	63	130	2660	
19.35	72	130	2510	
18.08	77	130	2440	
15.63	90	130	2290	
13.28	105	130	240	
11.86	118	129	1990	
10.13	138	122	1890	
9.41	149	122	900	
8.16	172	116	870	
7.63	183	112	900	
6.59	212	106	880	
5.60	250	99	880	
5.00	280	95	860	
4.27	328	87	920	
4.00	350	85	910	
3.37	415	79	900	

BR37 200Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
134.82	10	200	4950	AD_1
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	AD_2
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	AD_2
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	761	
5.06	277	135	790	
4.32	324	126	820	
4.05	346	122	850	
3.41	411	112	900	

BR47–67 n_e=1400 1/min

BR47				300Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
176.88	7.9	300	5420	
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	AD_2
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	
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	AD_2
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	AD_3

BR57				450Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
186.89	7.5	450	7110	
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	AD_2
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	
24.99	56	450	4640	
21.93	64	450	4370	AD_2
18.60	75	450	4050	
16.79	83	450	3860	
14.77	95	435	3690	
13.95	100	430	3610	
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	AD_3
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	

BR67				600Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
199.81	7.0	600	7170	
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	AD_2
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	
26.72	52	540	7850	AD_2
23.44	60	560	7640	
19.89	70	600	7170	
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	AD_3
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	

BR77–97 n_e=1400 1/min

BR77				820Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
195.24	7.2	820	9920	
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	AD_2
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	
21.43	65	820	8250	
18.80	74	780	7980	
17.82	79	780	7620	
15.60	90	740	7390	AD_3
14.05	100	720	7050	
12.33	114	690	6740	
10.88	129	660	6490	
9.64	145	630	6300	
8.59	163	630	4100	
7.74	181	610	3940	
6.79	206	580	3850	AD_4
5.99	234	540	3990	
5.31	264	510	3990	

BR87				1550Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
246.54	5.7	1550	16900	
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	AD_2
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	
36.84	38	1550	16800	AD_3
32.66	43	1550	16000	
27.88	50	1550	15100	
2–stage				
34.40	41	1550	9480	AD_3
31.40	45	1550	7820	
27.80	50	1550	15000	
23.40	60	1550	13900	
21.51	65	1550	13600	
19.10	73	1440	13000	
17.08	82	1390	12600	AD_4
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	
8.22	170	1160	10200	
7.13	196	1070	9780	AD_5
6.39	218	1020	9450	
5.30	254	910	8980	

BR97				3000Nm
i	n_a [1/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	AD_3
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	AD_4
33.25	42	2890	17900	
27.58	51	2670	16900	
2–stage				
32.05	44	2560	10600	AD_4
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	AD_5
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	AD_6
4.50	311	1630	9500	

BR107–147 n_e=1400 1/min

BR107				4300Nm
i	n_a [1/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	
127.68	10	4300	29500	AD_3
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	AD_4
40.37	35	4300	23800	
35.26	40	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	AD_4
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	
8.56	164	4300	11300	AD_6
7.86	178	2970	13800	
6.66	210	2970	12800	
5.82	241	2970	12100	
4.92	285	2900	11300	

BR137				8000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
222.60	6.3	8000	53400	
188.45	7.4	8000	53400	
174.40	8.0	8000	53400	
156.31	9.0	8000	53400	
141.12	9.9	8000	53400	
128.18	11	8000	53400	
113.72	12	8000	53400	AD_4
103.20	14	8000	53400	
88.70	16	8000	53400	
80.91	17	8000	53400	
73.49	19	8000	53400	
65.20	21	8000	53400	
59.17	24	8000	53400	
50.86	28	8000	53400	
44.39	32	8000	53400	
37.65	37	8000	53400	AD_5
32.91	43	8000	53400	
27.83	50	7680	54100	
2–stage				
29.57	47	7780	53900	AD_6
24.12	58	8000	49400	
22.00	64	8000	47100	
19.04	74	8000	43500	
16.80	83	8000	40600	
14.51	96	8000	37300	
12.83	109	8000	34700	AD_7
10.79	130	8000	31100	
8.71	161	7840	27600	
7.59	184	5110	39000	
6.38	219	5110	35900	
5.15	272	4600	34500	

BR147				13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
163.31	8.6	13000	62700	
146.91	9.5	13000	62700	
119.86	12	13000	62700	AD_4
109.31	13	13000	62700	
94.60	15	13000	62700	
83.47	17	13000	62700	
72.09	19	13000	62700	
66.99	21	13000	62700	
61.09	23	13000	62700	AD_5
52.87	26	13000	62700	
46.65	30	13000	62700	
40.29	35	13000	62700	AD_6
35.64	39	13000	62700	
29.95	47	13000	62700	AD_7
24.19	58	11900	64700	
2–stage				
20.44	68	12000	64600	
18.04	78	10500	67000	
15.65	90	13000	62700	
13.91	101	12600	63400	
11.99	117	13000	60400	AD_8
9.74	144	13000	54400	
8.26	169	13000	49900	
7.25	193	8670	58400	
5.89	238	8670	53200	
5.00	280	8670	49300	

BR167, BR27/37R17 n_e=1400 1/min

BR167				18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
229.71	6.1	18000	120000	
186.93	7.5	18000	120000	
153.07	9.1	18000	120000	
139.98	10	18000	120000	
121.81	11	18000	120000	AD_5
107.49	13	18000	120000	
93.19	15	18000	120000	
82.91	17	18000	120000	
73.70	19	18000	120000	
67.40	21	18000	120000	
58.65	24	18000	120000	AD_6
51.76	27	18000	120000	
44.87	31	18000	120000	
39.92	35	18000	120000	AD_7
34.41	41	18000	120000	
27.96	50	18000	120000	AD_8
23.71	59	18000	116500	
2–stage				
46.00	30	7000	120000	AD_5
37.74	37	9000	120000	AD_6
30.71	46	10000	120000	
24.57	57	14000	120000	
21.85	64	13000	120000	
19.03	74	16000	111400	
16.98	82	15000	108900	AD_8
14.48	97	18000	93800	
11.99	117	17000	88700	
10.24	137	17000	82500	

BR27R17				130Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	
8612	0.16	130	4230	
7425	0.19	130	4230	
6921	0.20	130	4230	
6050	0.23	130	4230	
5217	0.27	130	4230	
4661	0.30	130	4230	
4073	0.34	130	4230	
3516	0.40	130	4230	
3160	0.44	130	4230	
2763	0.51	130	4230	
2414	0.58	130	4230	
2110	0.66	130	4230	
1862	0.75	130	4230	
1822	0.77	130	4230	
1625	0.86	130	4230	
1580	0.89	130	4230	
1464	0.96	130	4230	
1434	0.98	130	4230	
1270	1.1	130	4230	
1254	1.1	130	4230	
1101	1.3	130	4230	
1100	1.3	130	4230	
972	1.4	130	4230	
962	1.5	130	4230	
848	1.7	130	4230	
840	1.7	130	4230	
743	1.9	130	4230	
741	1.9	130	4230	
654	2.1	130	4230	
649	2.2	130	4230	
567	2.5	130	4230	
566	2.5	130	4230	
509	2.8	130	4230	
499	2.8	130	4230	
440	3.2	130	4230	
432	3.2	130	4230	
387	3.6	130	4230	
381	3.7	130	4230	
339	4.1	130	4230	
329	4.3	130	4230	
296	4.7	130	4230	
290	4.8	130	4230	
259	5.4	130	4230	
256	5.5	130	4230	
229	6.1	130	4230	
227	6.2	130	4230	
203	6.9	130	4230	
200	7.0	130	4230	
179	78.8	130	4230	
177	7.9	130	4230	
166	8.4	130	4230	
156	9.0	130	4230	
150	9.3	130	4230	
141	9.9	130	4230	
135	10	130	4230	
124	11	130	4230	
118	12	130	4230	
110	13	130	4230	
104	13	130	4230	
94	15	130	4230	
90	16	130	4230	

BR37R17				200Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	
8594	0.16	200	4950	
7411	0.19	200	4950	
6907	0.20	200	4950	
6038	0.23	200	4950	
5206	0.27	200	4950	
4654	0.30	200	4950	
4065	0.34	200	4950	
3658	0.38	200	4950	
3154	0.44	200	4950	
2757	0.51	200	4950	
2409	0.58	200	4950	
2106	0.66	200	4950	
1856	0.75	200	4950	
1818	0.77	200	4950	
1622	0.86	200	4950	
1576	0.89	200	4950	
1431	0.98	200	4950	
1359	1.0	200	4950	
1267	1.1	200	4950	
1251	1.1	200	4950	
1099	1.3	200	4950	
1098	1.3	200	4950	
970	1.4	200	4950	
960	1.5	200	4950	
847	1.7	200	4950	
839	1.7	200	4950	
741	1.9	200	4950	
740	1.9	200	4950	
653	2.1	200	4950	
647	2.2	200	4950	
577	2.4	200	4950	
566	2.5	200	4950	
508	2.8	200	4950	
498	2.8	200	4950	
439	3.2	200	4950	
431	3.2	200	4950	
387	3.6	200	4950	
378	3.7	200	4950	
338	4.1	200	4950	
328	4.3	200	4950	
296	4.7	200	4950	
289	4.8	200	4950	
265	5.3	200	4950	
259	5.4	200	4950	
228	6.1	200	4950	
226	6.2	200	4950	
202	6.9	200	4950	
199	7.0	200	4950	
179	7.8	200	4950	
172	8.1	200	4950	
156	9.0	200	4950	
150	9.3	200	4950	
135	10	200	4950	
130	11	200	4950	
127	11	200	4950	
124	11	200	4950	
110	13	200	4950	
104	13	200	4950	
94	15	200	4950	
90	16	200	4950	

BR47/57/67R37 n_e=1400 1/min

BR47R37			300Nm
i	n_a [1/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

BR57R37			450 Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
14369	0.10	450	7110
12095	0.12	450	7110
10860	0.13	450	7110
9446	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

BR67R37			600 Nm
i	n_a [1/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

BR77R37, R87/97R57 n_e=1400 1/min

BR77R37			820 Nm
i	n_a [1/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	2.2	820	9920
571	2.5	820	9920
560	2.5	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

BR87R57			1550 Nm
i	n_a [1/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

BR97R57			3000 Nm
i	n_a [1/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	0.52	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

BR107/137/147R77 n_e=1400 1/min

BR107R77			4300Nm
i	n_a [1/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
3896	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
2339	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

BR137R77			8000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
22203	0.06	8000	53400
18945	0.07	8000	53400
16566	0.08	8000	53400
14777	0.09	8000	53400
12921	0.11	8000	53400
11712	0.12	8000	53400
10573	0.13	8000	53400
8784	0.16	8000	53400
7479	0.19	8000	53400
6559	0.21	8000	53400
5834	0.24	8000	53400
5116	0.27	8000	53400
4709	0.30	8000	53400
4464	0.31	8000	53400
4017	0.35	8000	53400
3928	0.36	8000	53400
3514	0.40	8000	53400
3454	0.41	8000	53400
3338	0.42	8000	53400
2993	0.47	8000	53400
2929	0.48	8000	53400
2658	0.53	8000	53400
2484	0.56	8000	53400
2412	0.58	8000	53400
2242	0.62	8000	53400
2073	0.68	8000	53400
1863	0.75	8000	53400
1839	0.76	8000	53400
1598	0.88	8000	53400
1586	0.88	8000	53400
1397	1.0	8000	53400
1391	1.0	8000	53400
1256	1.1	8000	53400
1226	1.1	8000	53400
1105	1.3	8000	53400
1090	1.3	8000	53400
1043	1.3	8000	53400
951	1.5	8000	53400
888	1.6	8000	53400
831	1.7	8000	53400
730	1.9	8000	53400
699	2.0	8000	53400
629	2.2	8000	53400
609	2.3	8000	53400
564	2.5	8000	53400
560	2.5	8000	53400
517	2.7	8000	53400
490	2.9	8000	53400
453	3.1	8000	53400
428	3.3	8000	53400
381	3.7	8000	53400
376	3.7	8000	53400
339	4.1	8000	53400
323	4.3	8000	53400
297	4.7	8000	53400
291	4.8	8000	53400
255	5.5	8000	53400
223	6.3	8000	53400
197	7.1	8000	53400
175	8.0	8000	53400

BR147R77			13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
23401	0.06	13000	62700
21342	0.07	13000	62700
18210	0.08	13000	62700
15923	0.09	13000	62700
14075	0.10	13000	62700
12344	0.11	13000	62700
11143	0.13	13000	62700
9743	0.14	13000	62700
8443	0.17	13000	62700
7307	0.19	13000	62700
6447	0.22	13000	62700
5568	0.25	13000	62700
4926	0.28	13000	62700
4325	0.32	13000	62700
3754	0.37	13000	62700
3302	0.42	13000	62700
2898	0.48	13000	62700
2555	0.55	13000	62700
2211	0.63	13000	62700
1951	0.72	13000	62700
1705	0.82	13000	62700
1536	0.91	13000	62700
1329	1.1	13000	62700
1166	1.2	13000	62700
1029	1.4	13000	62700
889	1.6	13000	62700
784	1.8	13000	62700
695	2.0	13000	62700
619	2.3	13000	62700
558	2.5	13000	62700
489	2.9	13000	62700
415	3.4	13000	62700

BR147R87, BR167/R97, BR167R107 n_e=1400 1/min

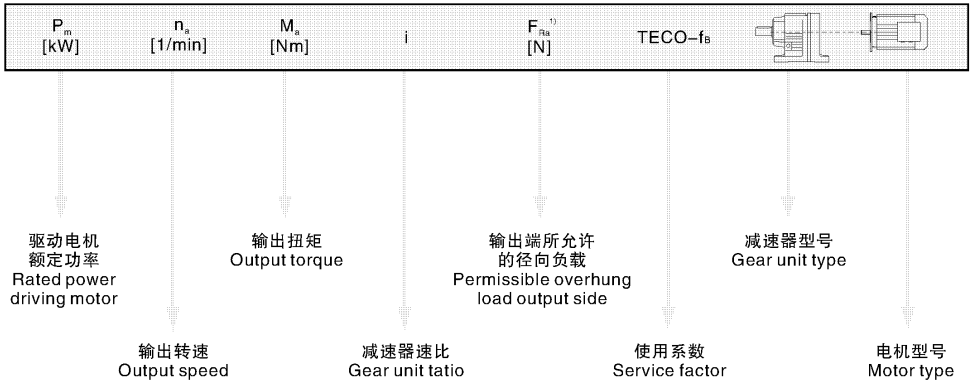
BR147R87			13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
533	2.6	13000	62700
462	3.0	13000	62700
426	3.3	13000	62700
368	3.8	13000	62700
326	4.3	13000	62700
280	5.0	13000	62700
247	5.7	13000	62700
214	6.5	13000	62700
189	7.4	13000	62700
159	8.8	13000	62700

BR167R97			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
27001	0.05	18000	120000
22482	0.06	18000	120000
20002	0.07	18000	120000
17361	0.08	18000	120000
15446	0.09	18000	120000
14051	0.10	18000	120000
11812	0.12	18000	120000
10509	0.13	18000	120000
9631	0.15	18000	120000
7749	0.18	18000	120000
6894	0.20	18000	120000
6077	0.23	18000	120000
5407	0.26	18000	120000
4650	0.30	18000	120000
4129	0.34	18000	120000
3692	0.38	18000	120000
3099	0.45	18000	120000
2657	0.53	18000	120000
2333	0.60	18000	120000
2085	0.67	18000	120000
1877	0.75	18000	120000
1670	0.84	18000	120000
1438	0.97	18000	120000
1279	1.1	18000	120000
1123	1.2	18000	120000
999	1.4	18000	120000
861	1.6	18000	120000
760	1.8	18000	120000
656	2.1	18000	120000
579	2.4	18000	120000
503	2.8	18000	120000
432	3.2	18000	120000
376	3.7	18000	120000
335	4.2	18000	120000
303	4.6	18000	120000
279	5.0	18000	120000

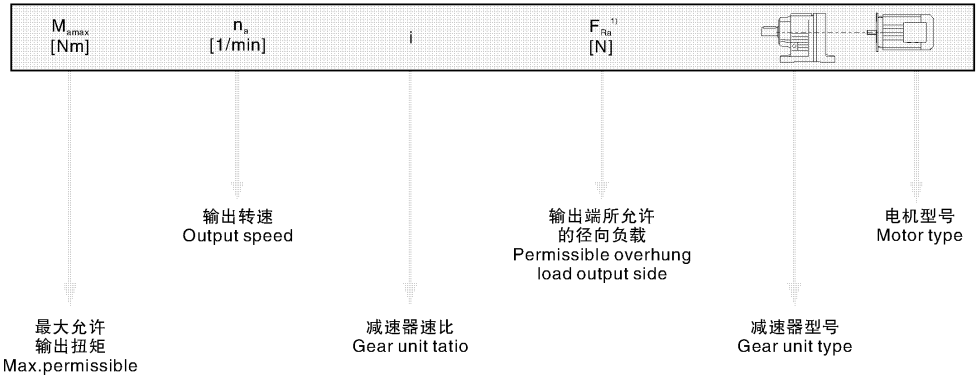
BR167R107			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
3637	0.38	18000	120000
3330	0.42	18000	120000
2757	0.51	18000	120000
2436	0.57	18000	120000
2298	0.61	18000	120000
2066	0.68	18000	120000
1849	0.76	18000	120000
1674	0.84	18000	120000
1485	0.94	18000	120000
1342	1.0	18000	120000
1229	1.1	18000	120000
1111	1.3	18000	120000
950	1.5	18000	120000
860	1.6	18000	120000
763	1.8	18000	120000
690	2.0	18000	120000
585	2.4	18000	120000
511	2.7	18000	120000
446	3.1	18000	120000
399	3.5	18000	120000
361	3.9	18000	120000
349	4.0	18000	120000
328	4.3	18000	120000
295	4.7	18000	120000
291	4.8	18000	120000
270	5.2	18000	120000
264	5.3	18000	120000
229	6.1	18000	120000
227	6.2	18000	120000
200	7.0	18000	120000
198	7.1	18000	120000
169	8.3	18000	120000
168	8.3	18000	120000

5.4 选型表注释
5.4 Selection table

选型表的结构
Selection table for geared motors



对于特殊低输出转速
For particularly low output speeds



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地扭矩相对应。
In drives for particularly low output speeds（multi–stage geared motor），the motor power must belimited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [1/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} 1) [N]	使用系数 Service factor f_B	型号 Model
0.12kW					
0.06	14300	21342	58600	0.90	
0.08	12000	18210	64500	1.10	BR 147 R77 D63S4
0.09	10300	15923	67300	1.25	BRF 147 R77 D63S4
0.10	9440	14075	68600	1.40	
0.11	7630	12344	70700	1.70	
0.12	6780	11143	71500	1.90	
0.14	6020	9743	72200	2.2	BR 147 R77 D63S4
0.16	4960	8443	73000	2.6	BRF 147 R77 D63S4
0.19	4290	7307	73400	3.0	
0.21	3780	6447	73700	3.4	
0.25	3270	5568	73900	4.0	
0.11	8390	12921	52300	0.95	
0.12	7240	11712	54900	1.10	
0.13	6430	10573	56400	1.25	
0.16	5160	8784	58200	1.55	BR 137 R77 D63S4
0.18	4270	7479	59200	1.85	BRF 137 R77 D63S4
0.21	4060	6559	59500	1.95	
0.24	3330	5834	60100	2.4	
0.27	3160	5116	60200	2.5	
0.18	4500	7583	28300	0.95	
0.20	3850	6743	31700	1.10	
0.23	3660	5914	32500	1.20	BR 107 R77 D63S4
0.27	2950	5168	35100	1.45	BRF 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	BR 107 R77 D63S4
0.52	1750	2653	37000	2.5	BRF 107 R77 D63S4
0.61	1500	2280	37200	2.9	
0.67	1300	2067	37400	3.3	
0.30	2950	4559	21300	1.00	BR 97 R57 D63S4
0.34	2500	4004	24100	1.20	BRF 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	BR 97 R57 D63S4
0.52	1750	2668	27300	1.70	BRF 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	BR 97 R57 D63S4
0.76	1170	1823	28100	2.6	BRF 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	BR 87 R57 D63S4
0.70	1260	1961	18700	1.25	BRF 87 R57 D63S4
0.50	1850	2770	10700	0.85	
0.53	1730	2595	15600	0.90	BR 87 R57 D63S4
0.65	1390	2129	18000	1.10	BRF 87 R57 D63S4
0.72	1240	1930	18800	1.25	
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	BR 87 R57 D63S4
1.6	555	885	20000	2.8	BRF 87 R57 D63S4
1.8	485	776	20000	3.2	
2.0	430	685	20000	3.6	
2.3	345	599	20000	4.5	

输出转速 Output speed n_a [1/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} 1) [N]	使用系数 Service factor f_B	型号 Model
0.12kW					
0.97	950	1430	8220	0.85	
1.1	900	1303	9080	0.90	BR 77 R37 D63S4
1.2	770	1124	10400	1.05	BRF 77 R37 D63S4
1.3	715	1047	10800	1.15	
1.5	615	915	11500	1.35	
0.99	940	1394	8660	0.85	
1.1	785	1218	10200	1.05	
1.3	710	1084	10800	1.15	BR 77 R37 D63S4
1.5	635	940	11400	1.30	BRF 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	BR 77 R37 D63S4
3.3	290	422	12800	2.8	BRF 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	BR 67 R37 D63S4
2.1	425	644	9150	1.40	BRF 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	BR 67 R37 D63S4
2.4	380	574	9450	1.55	BRF 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	BR 57 R37 D63S4
2.6	360	537	7460	1.25	BRF 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	BR 57 R37 D63S4
5.3	177	262	7890	2.5	BRF 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	BR 47 R37 D63S4
3.2	275	436	5540	1.10	BRF 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	BR 47 R37 D63S4
4.6	205	301	5840	1.50	BRF 47 R37 D63S4
5.4	169	255	5950	1.75	
6.1	150	228	6000	2.0	
7.1	125	195	6050	2.4	
4.1	220	338	4700	0.90	
4.7	205	296	4910	1.00	
5.3	176	259	5220	1.15	BR 37 R17 D63S4
6.1	155	228	5420	1.30	BRF 37 R17 D63S4
6.9	134	199	5600	1.50	
8.0	117	172	5720	1.70	
4.2	230	328	4550	0.90	
4.8	197	289	4990	1.00	
5.2	184	265	5130	1.10	BR 37 R17 D63S4
6.1	151	226	5470	1.35	BRF 37 R17 D63S4
6.8	138	202	5570	1.45	
7.7	120	179	5700	1.65	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.12kW					
6.0	152	229	4130	0.85	
6.9	132	200	4220	1.00	**BR 27 R17 D63S4**
7.8	116	177	4290	1.10	**BRF 27 R17 D63S4**
8.3	111	166	4310	1.15	
6.1	151	227	4130	0.85	
6.8	138	203	4200	0.95	**BR 27 R17 D63S4**
7.7	121	179	4280	1.10	**BRF 27 R17 D63S4**
8.8	102	156	4350	1.25	
4.6	250	195.24	12900	3.3	**BR 77 D63M6**
5.4	210	166.59	13000	3.9	**BRF 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	**BR 67 D63M6**
6.5	175	137.67	10300	3.4	**BRF 67 D63M6**
7.0	164	128.97	10400	3.7	
7.9	145	113.94	10400	4.1	
6.9	166	199.81	10300	3.6	**BR 67 D63S4**
7.5	153	184.07	10400	3.9	**BRF 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	**BR 57 D63M6**
7.5	154	120.63	7920	2.9	**BRF 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	**BR 57 D63S4**
9.3	123	147.92	7960	3.7	**BRF 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	**BR 47 D63M6**
6.4	178	139.99	5920	1.70	**BRF 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	
11	101	121.87	6100	3.0	**BR 47 D63S4**
12	95	114.17	6110	3.2	**BRF 47 D63S4**
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	**BR 37 D63M6**
9.9	116	90.77	5730	1.75	**BRF 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	**BR 37 D63S4**
15	75	90.77	5930	2.7	**BRF 37 D63S4**
16	70	84.61	5950	2.8	
19	61	73.96	5980	3.3	
7.3	158	123.91	4090	0.80	
8.5	134	105.49	4210	0.95	**BR 27 D63M6**
9.9	116	90.96	4300	1.10	**BRF 27 D63M6**
11	108	84.78	4330	1.20	
12	94	74.11	4370	1.40	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.12kW					
10	112	135.09	4310	1.15	
11	103	123.91	4340	1.25	
13	88	105.49	4390	1.50	
15	76	90.96	4430	1.70	
16	70	84.78	4440	1.85	
19	62	74.11	4460	2.1	**BR 27 D63S4**
20	58	69.47	4470	2.2	**BRF 27 D63S4**
23	51	61.30	4400	2.5	
25	46	55.87	4280	2.8	
29	40	48.17	4090	3.2	
31	37	44.90	4000	3.5	
11	104	81.64	300	0.80	
13	90	70.39	1470	0.95	
14	84	65.61	1860	1.00	**BR 17 D63M6**
16	73	57.35	2430	1.15	**BRF 17 D63M6**
17	68	53.76	2500	1.25	
19	60	47.44	2500	1.40	
17	68	81.64	2500	1.25	
20	58	70.39	2500	1.45	
21	55	65.61	2500	1.55	
24	48	57.35	2500	1.80	
26	45	53.76	2500	1.90	
29	39	47.44	2500	2.2	**BR 17 D63S4**
31	37	44.18	2500	2.3	**BRF 17 D63S4**
36	32	38.61	2430	2.7	
38	30	36.20	2390	2.8	
43	27	31.94	2310	3.2	
49	24	28.32	2230	3.6	
57	20	24.07	2130	4.2	
55	21	25.23	2160	4.1	
60	19	23.15	2110	4.4	
70	16	19.71	2010	5.2	
81	14	16.99	1920	6.0	
87	13	15.84	1880	6.4	
100	12	13.84	1810	7.4	
106	11	12.98	1770	7.9	
121	9.5	11.45	1710	8.5	**BR 17 D63S4**
136	8.4	10.15	1640	9.2	**BRF 17 D63S4**
160	7.2	8.63	1560	10	
183	6.3	7.55	1490	8.9	
196	5.8	7.04	1460	9.5	
224	5.1	6.15	1400	11	
239	4.8	5.76	1370	11	
271	4.2	5.09	1320	12	
306	3.7	4.51	1270	13	
360	3.2	3.83	1200	14	
227	5.0	6.07	4270	8.6	
267	4.3	5.18	4050	17	**BRX 67 D63S4**
305	3.8	4.53	3870	22	**BRXF 67 D63S4**
321	3.6	4.30	3810	22	
251	4.6	5.50	3360	8.5	
272	4.2	5.07	3270	8.6	
317	3.6	4.35	3120	19	
364	3.1	3.79	2980	22	
389	2.9	3.55	2910	24	
440	2.6	3.14	2800	25	**BRX 57 D63S4**
474	2.4	2.91	2730	28	**BRXF 57 D63S4**
523	2.2	2.64	2640	31	
582	2.0	2.37	2550	35	
676	1.7	2.04	2430	41	
719	1.6	1.92	2380	43	
835	1.4	1.65	2260	49	
0.18kW					
0.09	15500	14075	43800	0.85	
0.11	12900	12344	62800	1.00	**BR 147R77 D63M4**
0.12	11600	11143	65300	1.10	**BRF 147R77 D63M4**
0.14	10200	9743	67500	1.25	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
0.16	8590	8443	69600	1.50	
0.18	7430	7307	70900	1.75	
0.20	6560	6447	71700	2.0	
0.24	5660	5568	72500	2.3	**BR 147 R77 D63M4**
0.27	5120	4926	72900	2.5	**BRF 147 R77 D63M4**
0.31	4430	4325	73300	2.9	
0.35	3900	3754	73600	3.3	
0.40	3380	3302	73800	3.8	
0.15	8930	8784	49900	0.90	
0.18	7490	7479	54400	1.05	**BR 137 R77 D63M4**
0.20	6880	6559	55600	1.15	**BRF 137 R77 D63M4**
0.23	5840	5834	57300	1.35	
0.26	5370	5116	57900	1.50	**BR 137 R77 D63M4**
0.30	4540	4464	58900	1.75	**BRF 137 R77 D63M4**
0.34	4000	3928	59500	2.0	
0.28	5260	4709	58100	1.50	
0.33	4450	4018	59000	1.80	**BR 137 R77 D63M4**
0.38	3850	3514	59600	2.1	**BRF 137 R77 D63M4**
0.40	3640	3338	59800	2.2	
0.45	3160	2929	60200	2.5	
0.30	4510	4435	28300	0.95	**BR 107 R77 D63M4**
0.34	3990	3896	31100	1.10	**BRF 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	**BR 107 R77 D63M4**
0.50	2910	2653	35200	1.50	**BRF 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	**BR 107 R77 D63M4**
0.83	1580	1599	37200	2.7	**BRF 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	
0.92	1570	1434	27600	1.90	**BR 97 R57 D63M4**
1.1	1300	1207	27900	2.3	**BRF 97 R57 D63M4**
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	
0.49	2980	2722	20400	1.00	**BR 97 R57 D63M4**
0.57	2520	2311	24000	1.20	**BRF 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	**BR 87 R57 D63M4**
1.1	1250	1145	18700	1.25	**BRF 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	**BR 87 R57 D63M4**
1.2	1180	1143	19100	1.30	**BRF 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	**BR 77 R37 D63M4**
2.0	735	671	10700	1.10	**BRF 77 R37 D63M4**
2.3	620	571	11400	1.35	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
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	**BR 77 R37 D63M4**
2.7	530	488	11900	1.55	**BRF 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	**BR 67 R37 D63M4**
2.7	525	486	8350	1.15	**BRF 67 R37 D63M4**
2.3	635	574	7140	0.95	
2.7	545	495	8160	1.10	
3.0	465	438	8860	1.30	**BR 67 R37 D63M4**
3.4	415	388	9250	1.45	**BRF 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	**BR 57 R37 D63M4**
3.2	445	410	7130	1.00	**BRF 57 R37 D63M4**
2.8	520	471	6000	0.85	
3.7	390	357	7350	1.15	
4.1	345	319	7500	1.30	**BR 57 R37 D63M4**
4.8	290	273	7650	1.55	**BRF 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	**BR 57 R37 D63M4**
5.3	275	246	7700	1.65	**BRF 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	**BR 47 R37 D63M4**
5.8	250	228	5660	1.20	**BRF 47 R37 D63M4**
6.8	210	195	5810	1.40	
6.6	220	199	4650	0.90	**BR 37 R17 D63M4**
7.7	192	172	5040	1.05	**BRF 37 R17 D63M4**
8.8	167	150	5320	1.20	
5.8	250	226	2090	0.80	
6.5	230	202	4560	0.90	**BR 37 R17 D63M4**
7.4	200	179	4950	1.10	**BRF 37 R17 D63M4**
8.5	171	156	5270	1.15	
9.4	153	141	4120	0.85	
11	135	124	4210	0.95	**BR 27 R17 D63M4**
12	121	110	4280	1.10	**BRF 27 R17 D63M4**
14	102	94	4350	1.30	
9.8	148	135	4150	0.90	
11	134	118	4210	0.95	**BR 27 R17 D63M4**
13	117	104	4290	1.10	**BRF 27 R17 D63M4**
15	101	90	4350	1.30	
4.5	385	195.24	12500	2.1	**BR 77 D71M6**
5.2	330	166.59	12700	2.5	**BRF 77 D71M6**
6.0	290	145.67	12800	2.8	
6.3	275	138.39	12900	3.0	**BR 77 D71M6**
7.2	240	121.42	12900	3.4	**BRF 77 D71M6**
6.8	255	195.24	12900	3.2	
7.9	215	166.59	13000	3.8	**BR 77 D63M4**
9.1	190	145.67	13000	4.3	**BRF 77 D63M4**
9.5	180	138.39	13000	4.6	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BR 67 D71M6
7.6	225	113.94	10200	2.7	BRF 67 D71M6
8.2	210	105.83	10200	2.9	
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	BR 67 D63M4
9.6	179	137.67	10300	3.3	BRF 67 D63M4
10	168	128.97	10300	3.6	
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	BR 57 D71M6
5.9	290	147.92	7650	1.55	BRF 57 D71M6
6.8	255	128.77	7740	1.75	
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	BR 57 D63M4
11	157	120.63	7920	2.9	BRF 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	BR 47 D63M4
12	149	114.17	6000	2.0	BRF 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	BR 37 D71M6
9.6	179	90.77	5190	1.10	BRF 37 D71M6
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	BR 37 D63M4
18	96	73.96	5840	2.1	BRF 37 D63M4
19	90	69.33	5870	2.2	
22	80	61.18	5920	2.5	
24	73	55.76	5940	2.8	
27	63	48.08	5960	3.2	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
11	161	123.91	4070	0.80	
13	137	105.49	4200	0.95	
15	118	90.96	4280	1.10	
16	110	84.78	4320	1.20	
18	97	74.11	4370	1.35	
19	91	69.47	4380	1.45	
22	80	61.30	4320	1.65	BR 27 D63M4
24	73	55.87	4210	1.80	BRF 27 D63M4
27	63	48.17	4040	2.1	
29	59	44.90	3960	2.2	
34	51	39.25	3810	2.5	
36	48	36.79	3740	2.7	
41	42	32.47	3610	3.1	
46	38	28.78	3480	3.5	
54	32	24.47	3310	4.1	
47	37	28.37	3470	3.5	
51	34	26.09	3380	3.8	
59	29	22.32	3220	4.5	BR 27 D63M4
68	25	19.35	3090	5.2	BRF 27 D63M4
73	24	18.08	3020	5.5	
84	20	15.63	2890	6.4	
99	17	13.28	2750	7.5	
16	106	81.64	1046	0.80	
19	92	70.39	1330	0.95	
20	85	65.61	1740	1.00	
23	75	57.35	2350	1.15	
25	70	53.76	2500	1.20	
28	62	47.44	2450	1.40	BR 17 D63M4
30	58	44.18	2410	1.50	BRF 17 D63M4
34	50	38.61	2340	1.70	
36	47	36.20	2300	1.80	
41	42	31.94	2240	2.0	
47	37	28.32	2170	2.3	
55	31	24.07	2080	2.7	
34	50	25.23	2330	1.70	BR 17 D71M6
38	46	23.15	2290	1.85	BRF 17 D71M6
44	39	19.71	2200	2.2	
52	33	25.23	2110	2.6	
57	30	23.15	2060	2.8	
67	26	19.71	1970	3.3	
78	22	16.99	1890	3.8	
83	21	15.84	1860	4.1	
95	18	13.84	1790	4.7	
102	17	12.98	1760	5.0	
115	15	11.45	1690	5.4	BR 17 D63M4
130	13	10.15	1640	5.8	BRF 17 D63M4
153	11	8.63	1560	6.4	
175	9.8	7.55	1480	5.7	
188	9.2	7.04	1450	6.0	
215	8.0	6.15	1390	6.8	
229	7.5	5.76	1370	7.1	
259	6.6	5.09	1320	7.7	
293	5.9	4.51	1270	8.1	
344	5.0	3.83	1210	9.0	
268	6.4	10.15	1310	12	
315	5.5	8.63	1250	13	
360	4.8	7.55	1190	12	
387	4.4	7.04	1160	13	BR 17 D63S2
442	3.9	6.15	1120	14	BRF 17 D63S2
472	3.6	5.76	1090	15	
535	3.2	5.09	1050	16	
603	2.8	4.51	1010	17	
710	2.4	3.83	960	19	
143	12	6.07	4940	3.6	
168	10	5.18	4690	7.3	BRX 67 D71M6
192	8.9	4.53	4490	9.2	BRXF 67 D71M6
202	8.5	4.30	4410	9.4	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
218	7.9	6.07	4310	5.4	
255	6.7	5.18	4090	11	
292	5.9	4.53	3920	14	
307	5.6	4.30	3850	14	
350	4.9	3.77	3690	18	BRX 67 D63M4
413	4.2	3.20	3500	24	BRXF 67 D63M4
457	3.8	2.89	3380	28	
519	3.3	2.54	3240	36	
550	3.1	2.40	3180	40	
646	2.7	2.04	3020	50	
158	11	5.50	3880	3.6	
172	10	5.07	3780	3.6	BRX 57 D71M6
200	8.6	4.35	3600	7.9	BRXF 57 D71M6
230	7.5	3.79	3440	9.2	
240	7.2	5.50	3400	5.4	
261	6.6	5.07	3310	5.4	
303	5.7	4.35	3150	12	
348	4.9	3.79	3010	14	
372	4.6	3.55	2950	15	
421	4.1	3.14	2830	16	BRX 57 D63M4
453	3.8	2.91	2760	18	BRXF 57 D63M4
500	3.4	2.64	2670	20	
557	3.1	2.37	2580	22	
647	2.7	2.04	2460	26	
688	2.5	1.92	2410	28	
799	2.2	1.65	2290	31	
0.25kW					
0.13	15000	9743	50700	0.85	
0.15	12700	8443	63200	1.00	
0.18	11000	7307	66300	1.20	
0.20	9700	6447	68200	1.35	
0.23	8380	5568	69900	1.55	BR 147 R77 D71M4
0.26	7520	4926	70800	1.75	BRF 147 R77 D71M4
0.30	6540	4325	71800	2.0	
0.35	5730	3754	72400	2.3	
0.39	4990	3302	73000	2.6	
0.45	4360	2898	73300	3.0	
0.22	8680	5834	51000	0.90	
0.25	7860	5116	53700	1.00	BR 137 R77 D71M4
0.29	6720	4464	55900	1.20	BRF 137 R77 D71M4
0.33	5910	3928	57200	1.35	
0.28	7600	4709	54200	1.05	
0.32	6440	4018	56300	1.25	BR 137 R77 D71M4
0.37	5590	3514	57600	1.45	BRF 137 R77 D71M4
0.39	5290	3338	58000	1.50	
0.44	4610	2929	58900	1.75	
0.49	4090	2658	59400	1.95	
0.54	3710	2412	59800	2.2	
0.63	3190	2073	60200	2.5	BR 137 R77 D71M4
0.71	2760	1839	60500	2.9	BRF 137 R77 D71M4
0.93	2130	1397	60900	3.8	
1.1	1850	1226	61000	4.3	
0.43	4670	3039	27300	0.90	BR 107 R77 D71M4 BRF 107 R77 D71M4
0.43	4860	3034	20600	0.90	BR 107 R77 D71M4 BRF 107 R77 D71M4
0.65	3030	1987	34800	1.40	
0.71	2740	1827	35700	1.55	
0.81	2370	1599	36300	1.80	BR 107 R77 D71M4
0.93	2100	1400	36700	2.0	BRF 107 R77 D71M4
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	BR 97 R57 D71M4
0.75	2780	1733	22500	1.10	BRF 97 R57 D71M4
0.80	2590	1623	23600	1.15	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
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	BR 97 R57 D71M4
1.2	1700	1069	27400	1.75	BRF 97 R57 D71M4
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	BR 87 R57 D71M4
1.4	1460	931	17500	1.05	BRF 87 R57 D71M4
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	BR 87 R57 D71M4
1.9	1070	685	19600	1.45	BRF 87 R57 D71M4
2.2	900	599	20000	1.70	
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	BR 77 R37 D71M4 BRF 77 R37 D71M4
2.3	900	560	9110	0.90	
2.7	775	488	10300	1.05	
3.0	690	436	11000	1.20	BR 77 R37 D71M4
3.5	590	373	11600	1.40	BRF 77 R37 D71M4
4.0	520	327	12000	1.60	
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	BR 67 R37 D71M4
5.0	410	261	9260	1.45	BRF 67 R37 D71M4
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	
3.4	630	384	7220	0.95	
3.6	585	359	7730	1.05	
4.2	505	310	8560	1.20	BR 67 R37 D71M4
4.9	425	264	9180	1.40	BRF 67 R37 D71M4
5.5	375	235	9480	1.60	
6.5	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	BR 57 R37 D71M4
6.1	335	215	7540	1.35	BRF 57 R37 D71M4
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	BR 57 R37 D71M4
5.0	425	262	7210	1.05	BRF 57 R37 D71M4
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	BR 47 R37 D71M4
7.1	290	182	5480	1.05	BRF 47 R37 D71M4
8.5	240	154	5700	1.25	
8.7	240	150	3420	0.85	
10	205	130	4870	0.95	BR 37 R17 D71M4
10	196	124	5000	1.00	BRF 37 R17 D71M4
12	174	110	5250	1.15	
14	148	94	5490	1.35	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
8.4	250	156	2350	0.80	BR 37 R17 D71M4 BRF 37 R17 D71M4
9.7	215	135	4740	0.95	
10	210	127	4840	0.95	
13	169	104	5290	1.20	
14	146	90	5500	1.35	
2.3	1020	289.74	28200	3.0	
2.7	900	255.71	28300	3.3	BR 97 D80N8 BRF 97 D80N8
2.8	850	241.25	28400	3.5	
3.1	760	216.28	28400	4.0	
2.8	870	246.54	20000	1.80	
3.1	760	216.54	20000	2.0	BR 87 D80N8 BRF 87 D80N8
3.3	720	205.71	20000	2.2	
3.7	640	181.77	20000	2.4	
4.1	585	166.59	11600	1.40	
4.7	510	145.67	12000	1.60	BR 77 D80N8 BRF 77 D80N8
4.9	485	138.39	12100	1.70	
5.6	425	121.42	12400	1.90	
4.5	530	195.24	11900	1.55	BR 77 D71D6 BRF 77 D71D6
5.3	450	166.59	12300	1.80	
6.0	395	145.67	12500	2.1	
6.7	360	195.24	12600	2.3	
7.8	305	166.59	12800	2.7	BR 77 D71M4 BRF 77 D71M4
8.9	270	145.67	12900	3.1	
9.4	255	138.39	12900	3.2	
11	225	121.42	13000	3.7	
4.3	555	158.14	8060	1.10	
4.9	485	137.67	8730	1.25	BR 67 D80N8 BRF 67 D80N8
5.3	455	128.97	8970	1.35	
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	BR 67 D71D6 BRF 67 D71D6
6.4	375	137.67	9500	1.60	
6.8	350	128.97	9630	1.70	
7.7	310	113.94	9840	1.95	
8.3	285	105.83	9940	2.1	
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	BR 67 D71M4 BRF 67 D71M4
11	210	113.94	10200	2.9	
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	BR 57 D71D6 BRF 57 D71D6
6.8	350	128.77	7480	1.30	
7.3	325	120.63	7550	1.35	
8.3	290	106.58	7660	1.55	
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	BR 57 D71M4 BRF 57 D71M4
12	196	106.58	7860	2.3	
13	182	98.99	7880	2.5	
14	165	89.71	7910	2.7	
16	148	80.55	7930	3.0	
19	127	69.23	7960	3.5	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
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	BR 47 D71M4 BRF 47 D71M4
15	156	84.90	5980	1.90	
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	BR 37 D71M4 BRF 37 D71M4
21	112	61.18	5750	1.80	
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	
15	156	84.78	4100	0.85	
18	136	74.11	4210	0.95	
19	128	69.47	4250	1.00	
21	113	61.30	4190	1.15	
23	103	55.87	4090	1.25	
27	89	48.17	3940	1.45	BR 27 D71M4 BRF 27 D71M4
29	83	44.90	3870	1.60	
33	72	39.25	3730	1.80	
35	68	36.79	3670	1.90	
40	60	32.47	3540	2.2	
45	53	28.78	3420	2.5	
53	45	24.47	3270	2.9	
46	52	28.37	3410	2.5	
50	48	26.09	3330	2.7	
58	41	22.32	3180	3.2	
67	36	19.35	3050	3.7	
72	33	18.08	2990	3.9	
83	29	15.63	2860	4.5	
98	24	13.28	2730	5.3	
110	22	11.86	2630	5.9	
128	19	10.13	2510	6.6	BR 27 D71M4 BRF 27 D71M4
138	17	9.41	2440	7.1	
159	15	8.16	2330	7.7	
170	14	7.63	2290	8.0	
197	12	6.59	2180	8.8	
232	10	5.60	2080	9.6	
260	9.2	5.00	2000	10	
304	7.8	4.27	1910	11	
325	7.3	4.00	1870	12	
386	6.2	3.37	1770	13	
23	105	57.35	156	0.80	
24	99	53.76	785	0.85	
27	87	47.44	1630	1.00	
29	81	44.18	2000	1.05	BR 17 D71M4 BRF 17 D71M4
34	71	38.61	2200	1.20	
36	67	36.20	2180	1.30	
41	59	31.94	2130	1.45	
46	52	28.32	2070	1.65	
54	44	24.07	2000	1.90	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
52	46	25.23	2020	1.85	
56	43	23.15	1980	2.0	
66	36	19.71	1910	2.3	
77	31	16.99	1840	2.7	
82	29	15.84	1810	2.9	
94	25	13.84	1750	3.3	
100	24	12.98	1720	3.6	
114	21	11.45	1660	3.9	BR 17 D71M4 BRF 17 D71M4
128	19	10.15	1600	4.1	
151	16	8.63	1530	4.6	
172	14	7.55	1450	4.0	
185	13	7.04	1420	4.3	
211	11	6.15	1370	4.8	
226	11	5.76	1350	5.0	
256	9.3	5.09	1300	5.5	
288	8.3	4.51	1250	5.8	
339	7.0	3.83	1190	6.4	
433	5.5	6.15	1110	9.8	
461	5.2	5.76	1090	10	BR 17 D63M2 BRF 17 D63M2
523	4.6	5.09	1050	11	
590	4.0	4.51	1010	12	
694	3.4	3.83	960	13	
145	17	6.07	4890	2.6	
170	14	5.18	4650	5.4	BRX 67 D71D6 BRXF 67 D71D6
194	12	4.53	4450	6.7	
205	12	4.30	4380	6.8	
214	11	6.07	4310	3.9	
251	9.5	5.18	4100	7.9	
287	8.3	4.53	3920	9.9	
302	7.9	4.30	3860	10	
345	6.9	3.77	3700	13	BRX 67 D71M4 BRXF 67 D71M4
406	5.9	3.20	3500	17	
450	5.3	2.89	3390	20	
511	4.7	2.54	3250	25	
542	4.4	2.40	3190	28	
636	3.8	2.04	3020	35	
160	15	5.50	3840	2.6	
174	14	5.07	3740	2.6	BRX 57 D71D6 BRXF 57 D71D6
202	12	4.35	3560	5.8	
232	10	3.79	3410	6.7	
236	10	5.50	3390	3.9	
257	9.3	5.07	3300	3.9	
299	8.0	4.35	3150	8.5	
343	7.0	3.79	3010	9.9	
366	6.5	3.55	2950	11	
414	5.8	3.14	2830	11	BRX 57 D71M4 BRXF 57 D71M4
446	5.3	2.91	2760	13	
492	4.8	2.64	2680	14	
548	4.4	2.37	2580	16	
637	3.7	2.04	2460	19	
677	3.5	1.92	2410	20	
787	3.0	1.65	2300	23	
0.37kW					
0.19	15800	7307	39000	0.80	
0.21	14000	6447	60600	0.95	
0.25	12100	5568	64400	1.10	
0.28	10800	4926	66600	1.20	BR 147 R77 D71D4 BRF 147 R77 D71D4
0.32	9400	4325	68600	1.40	
0.37	8210	3754	70100	1.60	
0.42	7180	3302	71200	1.80	
0.48	6280	2898	72000	2.1	
0.31	9670	4464	40700	0.85	BR 137 R77 D71D4 BRF 137 R77 D71D4
0.35	8510	3928	51800	0.95	
0.34	9140	4018	48900	0.90	
0.39	7950	3514	53500	1.00	
0.41	7540	3338	54300	1.05	BR 137 R77 D71D4 BRF 137 R77 D71D4
0.47	6580	2929	56100	1.20	
0.56	5540	2484	57700	1.45	
0.62	4980	2242	58400	1.60	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
0.52	5880	2658	57200	1.35	
0.57	5330	2412	58000	1.50	
0.67	4580	2073	58900	1.75	
0.75	3990	1839	59500	2.0	BR 137 R77 D71D4 BRF 137 R77 D71D4
0.99	3070	1397	60300	2.6	
1.1	2670	1226	60600	3.0	
1.3	2400	1090	60700	3.3	
1.5	2090	951	60900	3.8	
0.67	4610	2067	27700	0.95	
0.82	3760	1693	32100	1.15	
0.89	3410	1550	33500	1.25	BR 107 R77 D71D4 BRF 107 R77 D71D4
0.98	3090	1407	34600	1.40	
1.1	2660	1209	35900	1.60	
1.3	2320	1055	36400	1.85	
0.69	4370	1987	29100	1.00	
0.76	3970	1827	31100	1.10	
0.86	3440	1599	33400	1.25	BR 107 R77 D71D4 BRF 107 R77 D71D4
0.99	3040	1400	34800	1.40	
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	BR 97 R57 D71D4 BRF 97 R57 D71D4
1.1	2710	1207	22900	1.10	
1.3	2430	1084	24500	1.25	
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	BR 97 R57 D71D4 BRF 97 R57 D71D4
1.9	1630	737	27500	1.85	
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	BR 87 R57 D71D4 BRF 87 R57 D71D4
1.8	1670	754	16000	0.95	
2.1	1430	649	17700	1.10	
1.8	1730	776	15500	0.90	
2.0	1530	685	17100	1.00	
2.3	1310	599	18400	1.20	BR 87 R57 D71D4 BRF 87 R57 D71D4
2.6	1150	525	19200	1.35	
3.0	1000	456	19800	1.55	
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	BR 87 R57 D71D4 BRF 87 R57 D71D4
3.5	910	400	20000	1.70	
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	BR 77 R37 D71D4 BRF 77 R37 D71D4
5.3	585	260	11600	1.40	
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	BR 67 R37 D71D4 BRF 67 R37 D71D4
5.9	525	234	8340	1.15	
6.9	450	200	9010	1.35	
2.7	1330	255.71	27900	2.3	
2.8	1250	241.25	28000	2.4	BR 97 D90S8 BRF 97 D90S8
3.1	1120	216.28	28100	2.7	
3.7	970	186.30	28300	3.1	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
3.1	1140	289.74	28100	**2.6**	
3.5	1000	255.71	28200	**3.0**	BR 97 D80K6
3.7	950	241.25	28300	**3.2**	BRF 97 D80K6
4.2	850	216.28	28400	**3.5**	
3.1	1130	216.54	19300	**1.40**	
3.3	1070	205.71	19600	**1.45**	BR 87 D90S8
3.7	940	181.77	20000	**1.65**	BRF 87 D90S8
3.7	970	246.54	20000	**1.60**	
4.2	850	216.54	20000	**1.80**	
4.4	810	205.71	20000	**1.90**	BR 87 D80K6
4.9	715	181.77	20000	**2.2**	BRF 87 D80K6
5.8	610	155.34	20000	**2.5**	
6.3	560	142.41	20000	**2.8**	
4.7	755	145.67	10500	**1.10**	
4.9	720	138.39	10800	**1.15**	BR 77 D90S8
5.6	630	121.42	11400	**1.30**	BRF 77 D90S8
5.4	655	166.59	11200	**1.25**	
6.2	570	145.67	11700	**1.45**	BR 77 D80K6
6.5	545	138.39	11900	**1.50**	BRF 77 D80K6
7.1	500	195.24	12100	**1.65**	
8.3	425	166.59	12400	**1.90**	
9.5	375	145.67	12600	**2.2**	BR 77 D71D4
10	355	138.39	12600	**2.3**	BRF 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**	BR 67 D80K6
7.0	505	128.97	8530	**1.20**	BRF 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**	
13	270	105.83	10000	**2.2**	BR 67 D71D4
14	245	95.91	10100	**2.4**	BRF 67 D71D4
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**	BR 57 D80K6
8.4	420	106.58	7240	**1.10**	BRF 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**	BR 57 D71D4
15	230	89.71	7800	**1.95**	BRF 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**	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
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	BR 47 D71D4
21	164	64.21	5960	1.80	BRF 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	
41	87	33.79	5270	2.8	
44	80	31.12	5150	2.8	BR 47 D71D4
52	69	26.74	4920	4.4	BRF 47 D71D4
59	60	23.28	4720	5.0	
63	56	21.81	4620	5.4	
15	230	90.77	4250	0.85	BR 47 D71D4
16	215	84.61	4720	0.90	BRF 47 D71D4
19	189	73.96	5070	1.05	
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	BR 37 D71D4
31	115	44.81	5480	1.75	BRF 37 D71D4
35	100	39.17	5290	2.0	
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	BR 37 D71D4
62	57	22.27	4500	3.5	BRF 37 D71D4
71	49	19.31	4320	4.1	
76	46	18.05	4230	4.3	
88	40	15.60	4050	5.0	BR 37 D71D4
104	34	13.25	3850	5.6	BRF 37 D71D4
117	30	11.83	3720	6.0	
23	157	61.30	3870	0.85	
25	143	55.87	3800	0.90	
29	123	48.17	3680	1.05	
31	115	44.90	3620	1.15	BR 27 D71D4
35	101	39.25	3510	1.30	BRF 27 D71D4
38	94	36.79	3460	1.40	
43	83	32.47	3350	1.55	
48	74	28.78	3250	1.75	
56	63	24.47	3110	2.1	
49	73	28.37	3240	1.80	
53	67	26.09	3170	1.95	
62	57	22.32	3040	2.3	BR 27 D71D4
71	50	19.35	2920	2.6	BRF 27 D71D4
76	46	18.08	2860	2.8	
88	40	15.63	2750	3.2	
104	34	13.28	2620	3.8	
36	99	38.61	770	0.85	
38	93	36.20	1260	0.90	BR 17 D71D4
43	82	31.94	1910	1.05	BRF 17 D71D4
49	73	28.32	1880	1.15	
57	62	24.07	1830	1.40	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
55	65	25.23	1840	1.30	
60	59	23.15	1820	1.45	
70	51	19.71	1760	1.70	
81	44	16.99	1710	1.95	
87	41	15.84	1680	2.1	
100	35	13.84	1630	2.4	
106	33	12.98	1610	2.6	
121	29	11.45	1560	2.8	BR 17 D71D4
136	26	10.15	1520	3.0	BRF 17 D71D4
160	22	8.63	1460	3.3	
183	19	7.55	1370	2.9	
196	18	7.04	1350	3.1	
224	16	6.15	1300	3.4	
239	15	5.76	1280	3.6	
271	13	5.09	1240	3.9	
306	12	4.51	1200	4.2	
360	9.8	3.83	1150	4.6	
191	19	13.84	1390	4.6	
204	17	12.98	1360	4.9	
231	15	11.45	1320	5.3	
261	14	10.15	1270	5.7	
307	12	8.63	1220	6.3	
351	10	7.55	1150	5.5	BR 17 D71M2
377	9.4	7.04	1130	5.8	BRF 17 D71M2
431	8.2	6.15	1090	6.6	
460	7.7	5.76	1070	6.9	
521	6.8	5.09	1030	7.5	
588	6.0	4.51	990	8.0	
691	5.1	3.83	950	8.8	
174	20	5.18	4570	3.7	
199	18	4.53	4380	4.6	BRX 67 D80K6
209	17	4.30*	4310	4.7	BRXF 67 D80K6
239	15	3.77	4130	5.9	
227	16	6.07	4200	2.8	
267	13	5.18	3990	5.6	
305	12	4.53	3820	7.1	
321	11	4.30	3760	7.3	
366	9.7	3.77	3610	9.0	BRX 67 D71D4
431	8.2	3.20	3420	12	BRXF 67 D71D4
478	7.4	2.89	3310	14	
543	6.5	2.54	3170	18	
575	6.1	2.40	3110	20	
675	5.2	2.04	2950	26	
207	17	4.35	3500	4.0	BRX 57 D80K6
238	15	3.79	3350	4.6	BRXF 57 D80K6
254	14	3.55	3280	5.0	
251	14	5.50	3300	2.8	
272	13	5.07	3210	2.8	
317	11	4.35	3060	6.1	
364	9.7	3.79	2930	7.1	
389	9.1	3.55	2870	7.6	
440	8.0	3.14	2760	8.1	BRX 57 D71D4
474	7.5	2.91	2690	8.9	BRXF 57 D71D4
523	6.8	2.64	2610	10	
582	6.1	2.37	2520	11	
676	5.2	2.04	2400	13	
719	4.9	1.92	2350	14	
835	4.2	1.65	2240	16	
0.55kW					
0.22	19800	6077	120000	0.90	
0.25	17600	5407	120000	1.00	BR 167 R97 D80K4
0.29	15100	4650	120000	1.20	BRF 167 R97 D80K4
0.33	13300	4129	120000	1.35	
0.28	16600	4926	26300	0.80	
0.31	14500	4325	55900	0.90	BR 147 R77 D80K4
0.36	12700	3754	63300	1.05	BRF 147 R77 D80K4
0.41	11100	3302	66100	1.15	
0.47	9720	2898	68200	1.35	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.55kW					
0.53	8730	2555	69500	1.50	
0.62	7560	2211	70800	1.70	
0.70	6670	1951	71600	1.95	BR 147 R77 D80K4
0.80	5730	1705	72400	2.3	BRF 147 R77 D80K4
0.89	5140	1536	72900	2.5	
1.0	4450	1329	73300	2.9	
1.2	3880	1166	73600	3.3	
0.55	8540	2484	51700	0.95	BR 137 R77 D80K4 BRF 137 R77 D80K4
0.51	9080	2658	49200	0.90	
0.56	8240	2412	52900	0.95	
0.66	7090	2073	55200	1.15	
0.74	6210	1839	56700	1.30	
0.85	5350	1598	58000	1.50	BR 137 R77 D80K4
0.97	4760	1397	58700	1.70	BRF 137 R77 D80K4
1.1	4150	1226	59400	1.95	
1.2	3710	1090	59800	2.2	
1.4	3240	951	60200	2.5	
1.6	2780	831	60500	2.9	
0.97	4790	1407	23400	0.90	
1.1	4120	1209	30400	1.05	
1.3	3590	1055	32800	1.20	BR 107 R77 D80K4
1.5	3140	919	34500	1.35	BRF 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	25600	0.90	
1.1	4120	1226	30400	1.05	BR 107 R77 D80K4
1.2	3690	1104	32400	1.15	BRF 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	BR 97 R57 D80K4
2.8	1640	484	27400	1.85	BRF 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	BR 87 R57 D80K4
3.4	1340	398	18200	1.15	BRF 87 R57 D80K4
3.9	1190	352	19000	1.30	
4.4	1030	305	19700	1.50	
2.9	1650	472	16200	0.95	
3.4	1400	400	17900	1.10	BR 87 R57 D80K4
3.8	1260	361	18700	1.25	BRF 87 R57 D80K4
4.9	970	276	6420	0.85	
5.8	830	236	9860	1.00	BR 77 R37 D80K4
6.2	775	221	10300	1.05	BRF 77 R37 D80K4
7.3	650	186	11300	1.25	
2.7	1980	255.71	26500	1.50	
2.8	1860	241.25	26900	1.60	BR 97 D90L8
3.1	1670	216.28	27400	1.80	BRF 97 D90L8
3.1	1690	289.74	27400	1.75	
3.5	1490	255.71	27700	2.0	BR 97 D80N6
3.7	1410	241.25	27800	2.1	BRF 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	BR 97 D80K4
5.6	930	241.25	28300	3.2	BRF 97 D80K4
6.3	840	216.28	28400	3.6	

输出转速 Output speed n_a [1/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	型号 Model
0.55kW					
3.7	1440	246.54	17700	1.10	
4.2	1260	216.54	18700	1.25	BR 87 D80N6
4.4	1200	205.71	19000	1.30	BRF 87 D80N6
4.9	1060	181.77	19600	1.45	
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	BR 87 D80K4
9.6	550	142.41	20000	2.8	BRF 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	
13	400	102.99	12500	2.1	BR 77 D80K4
15	360	92.97	12600	2.3	BRF 77 D80K4
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	
14	370	95.91	9520	1.60	BR 67 D80K4
16	335	86.11	9730	1.80	BRF 67 D80K4
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	BR 57 D80K4
24	220	57.29	7530	2.0	BRF 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	BR 57 D80K4
62	85	21.93	5740	5.3	BRF 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	BR 47 D80K4
26	205	52.69	5770	1.45	BRF 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	
51	103	26.74	4820	2.9	BR 47 D80K4
58	90	23.28	4630	3.3	BRF 47 D80K4
62	84	21.81	4550	3.6	

输出转速 Output speed n_a [1/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	型号 Model
0.55kW					
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	BR 37 D80K4
35	151	39.17	5070	1.30	BRF 37 D80K4
37	142	36.72	4990	1.40	
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	BR 37 D80K4
87	60	15.60	3970	3.3	BRF 37 D80K4
103	51	13.25	3790	3.7	
115	46	11.83	3670	4.0	
35	152	39.25	3280	0.85	
37	142	36.79	3240	0.90	BR 27 D80K4
42	125	32.47	3160	1.05	BRF 27 D80K4
47	111	28.78	3080	1.15	
56	95	24.47	2970	1.40	
61	86	22.32	2910	1.50	
70	75	19.35	2810	1.75	
75	70	18.08	2760	1.85	
87	60	15.63	2660	2.2	
102	51	13.28	2550	2.5	
115	46	11.86	2470	2.8	
134	39	10.13	2370	3.1	
145	36	9.41	2290	3.4	BR 27 D80K4
167	32	8.16	2200	3.7	BRF 27 D80K4
178	29	7.63	2160	3.8	
206	26	6.59	2070	4.2	
243	22	5.60	1980	4.6	
272	19	5.00	1910	4.9	
318	17	4.27	1830	5.3	
340	15	4.00	1790	5.5	
404	13	3.37	1700	6.1	
50	105	53.76	235	0.80	
57	92	47.44	1280	0.90	BR 17 D71D2
61	86	44.18	1610	1.00	BRF 17 D71D2
70	75	38.61	1590	1.15	
69	76	19.71	1590	1.10	
80	66	16.99	1560	1.30	
86	61	15.84	1550	1.40	
98	54	13.84	1510	1.60	
105	50	12.98	1500	1.70	
119	44	11.45	1460	1.85	
134	39	10.15	1430	1.95	BR 17 D80K4
158	33	8.63	1380	2.2	BRF 17 D80K4
180	29	7.55	1290	1.90	
193	27	7.04	1270	2.0	
221	24	6.15	1240	2.3	
236	22	5.76	1220	2.4	
267	20	5.09	1190	2.6	
302	17	4.51	1150	2.8	
355	15	3.83	1110	3.0	
313	17	8.63	1170	4.3	
358	15	7.55	1100	3.8	
384	14	7.04	1080	4.0	
439	12	6.15	1050	4.5	BR 17 D71D2
468	11	5.76	1030	4.7	BRF 17 D71D2
531	9.9	5.09	990	5.2	
599	8.8	4.51	960	5.4	
704	7.5	3.83	920	6.0	
174	30	5.18	4510	2.5	
199	26	4.53	4320	3.1	BRX 67 D80N6
209	25	4.30	4260	3.2	BRXF 67 D80N6
239	22	3.77	4090	4.0	

输出转速 Output speed n_a [1/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	型号 Model
0.55kW					
263	20	5.18	3970	3.8	
300	18	4.53	3800	4.7	
316	17	4.30	3740	4.8	
360	15	3.77	3590	6.0	
425	12	3.20	3410	8.1	BRX 67 D80K4
471	11	2.89	3300	9.5	BRXF 67 D80K4
535	9.8	2.54	3170	12	
567	9.3	2.40	3110	13	
666	7.9	2.04	2950	17	
732	7.2	1.86	2860	18	
845	6.2	1.61	2730	18	
207	25	4.35	3440	2.7	
238	22	3.79	3300	3.1	BRX 57 D80N6
254	21	3.55	3230	3.3	BRXF 57 D80N6
287	18	3.14	3110	3.5	
309	17	2.91	3040	3.9	
312	17	4.35	3040	4.1	
359	15	3.79	3910	4.7	
383	14	3.55	2850	5.0	
434	12	3.14	2740	5.4	
467	11	2.91	2680	6.0	BRX 57 D80K4
515	10	2.64	2600	6.8	BRX F 57 D80K4
574	9.2	2.37	2510	7.5	
666	7.9	2.04	2390	8.7	
708	7.4	1.92	2350	9.3	
823	6.4	1.65	2230	11	
921	5.7	1.48	2150	12	
1045	5.0	1.30	2070	13	
0.75kW					
0.30	20700	4650	120000	0.85	BR 167 R97 D80N4
0.33	18300	4129	120000	1.00	BRF 167 R97 D80N4
0.52	12000	2657	120000	1.50	
0.59	10400	2333	120000	1.75	BR 167 R97 D80N4
0.66	9230	2085	120000	1.95	BRF 167 R97 D80N4
0.96	6510	1438	120000	2.8	
0.42	15100	3302	49000	0.85	BR 147 R77 D80N4
0.48	13200	2898	62200	1.00	BRF 147 R77 D80N4
0.54	11900	2555	64800	1.10	
0.62	10300	2211	67400	1.25	
0.71	9070	1951	69000	1.45	BR 147 R77 D80N4
0.81	7830	1705	70500	1.65	BRF 147 R77 D80N4
0.90	7030	1536	71300	1.85	
1.0	6080	1329	72100	2.1	
1.2	5310	1166	72700	2.5	
0.74	8640	1863	51200	0.95	
0.87	7330	1586	54700	1.10	BR 137 R77 D80N4
0.99	6500	1391	56200	1.25	BRF 137 R77 D80N4
1.1	5850	1256	57300	1.35	
0.67	9640	2073	41400	0.85	
0.75	8480	1839	51900	0.95	
0.86	7310	1598	54800	1.10	
0.99	6480	1397	56300	1.25	BR 137 R77 D80N4
1.1	5660	1226	57500	1.40	BRF 137 R77 D80N4
1.3	5050	1090	58300	1.60	
1.5	4410	951	59100	1.80	
1.7	3810	831	59700	2.1	
1.9	3320	730	60100	2.4	
1.3	4890	1055	19000	0.90	BR 107 R77 D80N4
1.5	4270	919	29600	1.00	BRF 107 R77 D80N4
1.7	3800	815	31900	1.15	
1.2	5050	1104	7700	0.85	
1.5	4330	939	29300	1.00	BR 107 R77 D80N4
1.7	3770	822	32000	1.15	BRF 107 R77 D80N4
3.7	1690	369	37100	2.5	
4.3	1470	323	37300	2.9	

输出转速 Output speed n_a [1/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	型号 Model
0.75kW					
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	BR 97 R57 D80N4
3.6	1760	379	27200	1.70	BRF 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	BR 87 R57 D80N4*
4.5	1400	305	17900	1.10	BRF 87 R57 D80N4*
5.2	1240	268	18800	1.25	
5.8	1090	236	19500	1.40	
3.8	1710	361	15700	0.90	BR 87 R57 D80N4
4.6	1410	300	17800	1.10	BRF 87 R57 D80N4
5.4	1200	256	19000	1.30	
2.8	2610	251.15	36000	1.65	BR 107 D100M8
3.0	2390	229.95	36300	1.80	BRF 107 D100M8
3.4	2110	203.16	36700	2.0	
3.2	2240	216.28	25300	1.35	BR 97 D100M8
3.7	1930	186.30	26600	1.55	BRF 97 D100M8
4.1	1760	170.02	27200	1.75	
3.5	2030	255.71	26200	1.45	BR 97 D90S6
3.7	1920	241.25	26700	1.55	BRF 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	BR 97 D80N4
6.4	1120	216.28	28100	2.7	BRF 97 D80N4
7.4	970	186.30	28300	3.1	
8.1	880	170.02	28300	3.4	
4.2	1720	216.54	15600	0.90	BR 87 D90S6
4.4	1640	205.71	16300	0.95	BRF 87 D90S6
4.9	1450	181.77	17600	1.05	
5.8	1240	155.34	18800	1.25	BR 87 D90S6
6.3	1130	142.41	19300	1.35	BRF 87 D90S6
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	BR 87 D80N4
9.7	740	142.41	20000	2.1	BRF 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	BR 77 D80N4
9.5	755	145.67	10500	1.10	BRF 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	81.80	12400	1.95	
18	400	77.24	12500	2.0	BR 77 D80N4
21	340	65.77	12700	2.4	BRF 77 D80N4
24	300	57.68	12800	2.7	
27	270	52.07	12900	3.0	
30	240	45.81	12900	3.5	
32	225	43.26	13000	3.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.75kW					
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	BR 67 D80N4
19	385	74.17	9430	1.55	BRF 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	BR 57 D80N4
17	420	80.55	7240	1.10	BRF 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	BR 57 D80N4
37	194	37.30	6490	2.3	BRF 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	BR 57 D80N4
63	114	21.93	5610	4.0	BRF 57 D80N4
74	97	18.60	5350	4.7	
20	355	68.54	3660	0.85	BR 47 D80N4
21	335	64.21	4950	0.90	BRF 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	BR 47 D80N4
40	180	34.73	4980	1.65	BRF 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	BR 47 D80N4
72	100	19.27	4270	3.0	BRF 47 D80N4
77	93	17.89	4180	3.1	
85	84	16.22	4070	3.3	
29	250	48.08	2330	0.80	BR
31	235	44.81	4230	0.85	37 D80N4
35	205	39.17	4720	1.00	BRF 37 D80N4
38	191	36.72	4740	1.05	
43	168	32.40	4610	1.20	BR 37 D80N4
48	149	28.73	4490	1.35	BRF 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	15.60	3850	2.5	BR 37 D80N4
104	69	13.25	3690	2.8	BRF 37 D80N4
117	61	11.83	3570	3.0	
137	53	10.11	3420	3.2	
146	49	9.47	3360	3.4	
48	149	28.78	2880	0.85	BR 27 D80N4
56	127	24.47	2800	1.00	BRF 27 D80N4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.75kW					
62	116	22.32	2750	1.10	
71	100	19.35	2670	1.30	
76	94	18.08	2630	1.40	
88	81	15.63	2550	1.60	
104	69	13.28	2450	1.90	
116	62	11.86	2380	2.1	BR 27 D80N4
136	53	10.13	2290	2.3	BRF 27 D80N4
147	49	9.41	2210	2.5	
169	42	8.16	2130	2.7	
181	40	7.63	2090	2.8	
209	34	6.59	2010	3.1	
246	29	5.60	1930	3.4	
276	26	5.00	1870	3.7	
70	102	19.71	465	0.85	
81	88	16.99	1390	0.95	
87	82	15.84	1380	1.05	
100	72	13.84	1370	1.20	
106	67	12.98	1360	1.25	
121	59	11.45	1350	1.35	
136	53	10.15	1320	1.45	BR 17 D80N4
160	45	8.63	1290	1.60	BRF 17 D80N4
183	39	7.55	1200	1.45	
196	37	7.04	1180	1.50	
224	32	6.15	1160	1.70	
239	30	5.76	1150	1.75	
271	26	5.09	1120	1.95	
306	23	4.51	1090	2.0	
360	20	3.83	1060	2.3	
236	30	11.45	1200	2.7	
266	27	10.15	1170	2.9	
313	23	8.63	1130	3.1	
358	20	7.55	1060	2.8	
384	19	7.04	1040	2.9	BR 17 D80K2
439	16	6.15	1010	3.3	BRF 17 D80K2
468	15	5.76	990	3.5	
531	14	5.09	960	3.8	
599	12	4.51	930	4.0	
704	10	3.83	890	4.4	
199	36	4.53	4260	2.3	
209	34	4.30	4200	2.3	BRX 67 D90S6
239	30	3.77	4040	2.9	BRXF 67 D90S6
281	26	3.20	3840	3.9	
267	27	5.18	3900	2.8	
305	24	4.53	3750	3.5	
321	22	4.30	3690	3.6	
366	20	3.77	3540	4.4	
431	17	3.20	3360	6.0	BRX 67 D80N4
478	15	2.89	3260	7.1	BRXF 67 D80N4
543	13	2.54	3130	8.9	
575	13	2.40	3070	9.8	
675	11	2.04	2920	13	
743	9.6	1.86	2830	13	
858	8.3	1.61	2700	14	
238	30	3.79	3240	2.3	
254	28	3.55	3180	2.4	BRX 57 D90S6
287	25	3.14	3060	2.6	BRXF 57 D90S6
309	23	2.91	3000	2.9	
341	21	2.64	2910	3.3	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.75kW					
317	23	4.35	2980	3.0	
364	20	3.79	2860	3.5	
389	18	3.55	2800	3.8	
440	16	3.14	2700	4.0	
474	15	2.91	2630	4.4	
523	14	2.64	2560	5.0	BRX 57 D80N4
582	12	2.37	2470	5.6	BRXF 57 D80N4
676	11	2.04	2360	6.5	
719	10	1.92	2310	6.9	
835	8.6	1.65	2210	8.0	
935	7.7	1.48	2130	8.8	
1060	6.8	1.30	2050	9.3	
1.1kW					
0.53	17700	2657	120000	1.00	
0.60	15400	2333	120000	1.15	
0.67	13700	2085	120000	1.30	
0.75	12300	1877	120000	1.45	BR 167 R97 D90S4
0.84	10900	1670	120000	1.65	BRF 167 R97 D90S4
0.97	9600	1438	120000	1.90	
1.1	8540	1279	120000	2.1	
1.2	7420	1123	120000	2.4	
0.63	15000	2211	50100	0.85	
0.72	13300	1951	62100	1.00	BR 147 R77 D90S4
0.82	11500	1705	65500	1.15	BRF 147 R77 D90S4
0.91	10300	1536	67300	1.25	
1.0	8940	1329	69200	1.45	
1.2	7810	1166	70500	1.65	
1.4	6870	1029	71500	1.90	BR 147 R77 D90S4
1.6	5950	889	72200	2.2	BRF 147 R77 D90S4
1.8	5240	784	72800	2.5	
2.0	4630	695	73200	2.8	
1.0	9480	1391	44400	0.85	
1.1	8550	1256	51600	0.95	
1.3	7500	1105	54400	1.05	BR 137 R77 D90S4
1.3	7080	1043	55200	1.15	BRF 137 R77 D90S4
1.6	6010	888	57000	1.35	
1.0	9470	1397	44600	0.85	
1.1	8290	1226	52700	0.95	
1.3	7390	1090	54600	1. 10	
1.5	6450	951	56300	1.25	
1.7	5590	831	57600	1.45	BR 137 R77 D90S4
1.9	4890	730	58500	1.65	BRF 137 R77 D90S4
2.2	4190	629	59300	1.90	
2.5	3770	560	59700	2.1	
2.8	3270	490	60100	2.5	
2.0	4870	717	20200	0.90	BR 107 R77 D90S4
					BRF 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	BR 107 R77 D90S4
3.8	2480	369	36200	1.75	BRF 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	23700	1.15	
4.2	2290	336	25100	1.30	BR 97 R57 D90S4
4.7	2010	296	26300	1.50	BRF 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	
5.9	1600	236	16600	0.95	BR 87 R57 D90S4
6.7	1400	209	17900	1.10	BRF 87 R57 D90S4
5.5	1760	256	15300	0.90	
6.0	1590	232	16600	0.95	BR 87 R57 D90S4
7.2	1350	195	18200	1.15	BRF 87 R57 D90S4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
2.7	3880	251.15	31600	1.10	
3.0	3550	229.95	33000	1.20	BR 107 D100L8
3.3	3140	203.16	34500	1.35	BRF 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	BR 97 D90L6
4.2	2470	216.28	24200	1.20	BRF 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	BR 97 D90S4
8.2	1280	170.02	27900	2.3	BRF 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	
6.8	1540	205.71	17000	1.00	BR 87 D90S4
7.7	1360	181.77	18100	1.15	BRF 87 D90S4
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	BR 87 D90S4
15	700	93.38	20000	2.2	BRF 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	
12	910	121.42	8990	0.90	
14	775	102.99	10300	1.05	BR 77 D90S4
15	700	92.97	10900	1.20	BRF 77 D90S4
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	BR 77 D90S4
27	390	52.07	12500	2.1	BRF 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	
19	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	BR 67 D90S4
27	385	51.56	9420	1.55	BRF 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	26.72	10100	2.7	BR 67 D90S4
60	176	23.44	9730	3.2	BRF 67 D90S4
70	149	19.89	9270	4.0	
20	520	69.23	5990	0.85	
22	485	64.85	6850	0.90	BR 57 D90S4
24	430	57.29	6700	1.05	BRF 57 D90S4
26	400	53.22	6610	1.15	
29	360	48.30	6490	1.25	
32	325	43.30	6350	1.40	BR 57 D90S4
38	280	37.30	6140	1.60	BRF 57 D90S4
40	265	35.07	6060	1.70	
46	225	30.18	5850	2.0	
52	200	26.97	5690	2.2	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
53	197	26.31	5650	2.3	
56	188	24.99	5580	2.4	BR 57 D90S4
64	165	21.93	5400	2.7	BRF 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	BR 47 D90S4
40	260	34.73	4660	1.15	BRF 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	BR 47 D90S4
96	109	14.56	3800	2.4	BRF 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	BR 37 D90S4
49	215	28.73	3300	0.95	BRF 37 D90S4
57	183	24.42	3720	1.10	
73	145	19.31	3840	1.40	BR 37 D90S4
78	135	18.05	3790	1.50	BRF 37 D90S4
90	117	15.60	3660	1.70	
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	BR 37 D90S4
176	60	7.97	3090	2.6	BRF 37 D90S4
210	50	6.67	2920	2.9	
247	43	5.67	2790	3.3	
277	38	5.06	2700	3.5	
72	145	19.35	2430	0.90	
77	136	18.08	2410	0.95	
90	117	15.63	2360	1.10	
105	100	13.28	2290	1.30	
118	89	11.86	2240	1.45	
138	76	10.13	2160	1.60	
172	61	8.16	2010	1.90	BR 27 D90S4
184	57	7.63	1980	1.95	BRF 27 D90S4
212	50	6.59	1920	2.1	
250	42	5.60	1840	2.4	
280	38	5.00	1790	2.5	
328	32	4.27	1720	2.7	
350	30	4.00	1690	2.8	
415	25	3.37	1610	3.1	
203	52	13.28	1980	2.5	
228	46	11.86	1920	2.8	
267	39	10.13	1840	3.1	
287	37	9.41	1780	3.3	
331	32	8.16	1720	3.7	BR 27 D80N2
354	30	7.63	1690	3.8	BRF 27 D80N2
410	26	6.59	1620	4.1	
482	22	5.60	1550	4.5	
540	20	5.00	1500	4.9	
632	17	4.27	1430	5.2	
675	16	4.00	1410	5.4	
801	13	3.37	1340	6.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
137	77	19.71	1150	1.10	
159	66	16.99	1140	1.30	
170	62	15.84	1140	1.40	
195	54	13.84	1120	1.60	
208	51	12.98	1120	1.70	
236	45	11.45	1100	1.80	
266	40	10.15	1080	1.95	BR 17 D80N2
313	34	8.63	1050	2.1	BRF 17 D80N2
358	29	7.55	970	1.90	
384	27	7.04	960	2.0	
439	24	6.15	940	2.3	
468	22	5.76	930	2.4	
531	20	5.09	910	2.6	
599	18	4.51	880	2.7	
704	15	3.83	850	3.0	
249	42	5.63	5680	2.6	BRX 77 D90S4
262	40	5.35	5590	2.6	BRXF 77 D90S4
296	36	4.73	5380	3.5	
203	52	4.53	4130	1.60	BRX 67 D90L6
214	49	4.30	4070	1.65	BRXF 67 D90L6
244	43	3.77	3920	2.0	
309	34	4.53	3660	2.4	
326	32	4.30	3610	2.5	
371	28	3.77	3470	3.1	
438	24	3.20	3300	4.2	
485	22	2.89	3200	4.9	BRX 67 D90S4
551	19	2.54	3070	6.2	BRXF 67 D90S4
583	18	2.40	3020	6.8	
685	15	2.04	2870	8.8	
754	14	1.86	2780	9.1	
870	12	1.61	2660	9.4	
1000	11	1.40	2550	9.9	
243	43	3.79	3120	1.60	
259	41	3.55	3060	1.70	BRX 57 D90L6
293	36	3.14	2960	1.80	BRXF 57 D90L6
316	33	2.91	2900	2.0	
348	30	2.64	2820	2.3	
369	28	3.79	2780	2.4	
394	27	3.55	2730	2.6	
446	24	3.14	2630	2.8	
481	22	2.91	2570	3.1	
530	20	2.64	2500	3.5	BRX 57 D90S4
591	18	2.37	2420	3.9	BRXF 57 D90S4
686	15	2.04	2310	4.5	
729	14	1.92	2270	4.8	
847	12	1.65	2160	5.6	
948	11	1.48	2090	6.1	
1075	9.8	1.30	2010	6.4	
1.5kW					
0.60	21200	2333	120000	0.85	
0.68	18800	2085	120000	0.95	
0.75	16900	1877	120000	1.05	
0.84	15000	1670	120000	1.20	BR 167 R97 D90L4
0.98	13100	1438	120000	1.35	BRF 167 R97 D90L4
1.1	11700	1279	120000	1.55	
1.3	10200	1123	120000	1.75	
1.4	9060	999	120000	2.0	
3.3	3870	426	73600	3.4	BR 147 R87 D90L4
3.8	3340	368	73900	3.9	BRF 147 R87 D90L4
0.83	15700	1705	41200	0.85	
0.92	14100	1536	60300	0.90	
1.1	12200	1329	64200	1.05	
1.2	10700	1166	66800	1.20	
1.4	9410	1029	68600	1.40	BR 147 R77 D90L4
1.6	8140	889	70100	1.60	BRF 147 R77 D90L4
1.8	7170	784	71200	1.80	
2.0	6340	695	71900	2.0	
2.3	5700	619	72400	2.3	
2.5	5130	558	72900	2.5	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
1.4	9650	1043	41200	0.85	
1.6	8200	888	52900	1.00	BR 137 R77 D90L4
2.0	6440	699	56300	1.25	BRF 137 R77 D90L4
2.3	5590	609	57600	1.45	
1.3	10100	1090	32300	0.80	
1.5	8790	951	50600	0.90	
1.7	7640	831	54100	1.05	
1.9	6680	730	55900	1.20	
2.2	5740	629	57400	1.40	BR 137 R77 D90L4
2.5	5150	560	58200	1.55	BRF 137 R77 D90L4
2.9	4470	490	59000	1.80	
3.3	3910	428	59600	2.0	
3.7	3510	381	59900	2.3	
4.4	2980	323	60400	2.7	
2.7	4860	528	20600	0.90	BR 107 R77 D90L4
					BRF 107 R77 D90L4
2.6	4970	544	14800	0.85	
2.9	4490	492	28400	0.95	BR 107 R77 D90L4
3.4	3810	417	31900	1.15	BRF 107 R77 D90L4
3.8	3390	369	33600	1.25	
4.4	2960	323	35100	1.45	
3.0	4410	469	28900	1.00	BR 107 R77 D90L4
					BRF 107 R77 D90L4
4.2	3120	336	14600	0.95	
4.8	2740	296	22700	1.10	
5.7	2300	249	25100	1.30	BR 97 R57 D90L4
6.0	2150	234	25800	1.40	BRF 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	BR 107 D112M8
4.1	3530	172.34	33100	1.20	BRF 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	BR 107 D100M6
5.3	2680	172.34	35900	1.60	BRF 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	BR 97 D90L4
9.4	1530	150.78	27600	1.95	BRF 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	BR 87 D90L4
11	1270	124.97	18600	1.20	BRF 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	BR 87 D90L4
23	615	60.35	20000	2.5	BRF 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 [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
15	940	92.97	8500	0.85	
17	830	81.80	9820	1.00	BR 77 D90L4
18	785	77.24	10200	1.05	BRF 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	BR 77 D90L4
38	375	36.83	12600	2.2	BRF 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	BR 77 D90L4
75	191	18.80	11000	4.1	BRF 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	BR 67 D90L4
35	405	39.88	9300	1.45	BRF 67 D90L4
38	380	37.50	9460	1.50	
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	BR 67 D90L4
71	200	19.89	9070	3.0	BRF 67 D90L4
79	182	17.95	8810	3.2	
27	540	53.22	5140	0.85	
29	490	48.23	6010	0.90	BR 57 D90L4
33	440	43.30	5920	1.00	BRF 57 D90L4
38	380	37.30	5770	1.20	
40	355	35.07	5710	1.25	BR 57 D90L4
47	305	30.18	5540	1.45	BRF 57 D90L4
52	275	26.97	5420	1.65	
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	BR 57 D90L4
84	171	16.79	4850	2.6	BRF 57 D90L4
95	150	14.77	4700	2.9	
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	BR 47 D90L4
47	305	29.88	4220	1.00	BRF 47 D90L4
53	270	26.70	4140	1.10	
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	2.0	
139	103	10.15	3340	2.2	BR 47 D90L4
155	92	9.07	3240	2.4	BRF 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 [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
73	196	19.31	2660	1.00	BR 37 D90L4
78	183	18.05	2840	1.10	BRF 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	BR 37 D90L4
211	68	6.67	2820	2.1	BRF 37 D90L4
249	58	5.67	2710	2.5	
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	BR 37 D90S
267	54	10.11	2680	3.2	BRF 37 D90S2
285	50	9.47	2630	3.3	
339	42	7.97	2510	3.7	
90	159	15.63	1700	0.80	
106	135	13.28	2020	0.95	
119	121	11.86	2080	1.05	
139	103	10.13	2030	1.20	
173	83	8.16	1880	1.40	
185	78	7.63	1860	1.45	BR 27 D90L4
214	67	6.59	1810	1.60	BRF 27 D90L4
252	57	5.60	1750	1.75	
282	51	5.00	1710	1.85	
330	43	4.27	1650	2.0	
353	41	4.00	1630	2.1	
418	34	3.37	1560	2.3	
228	63	11.86	1840	2.10	
267	54	10.13	1770	2.3	
331	43	8.16	1650	2.7	
354	41	7.63	1620	2.8	
410	35	6.59	1570	3.0	BR 27 D90S2
482	30	5.60	1500	3.3	BRF 27 D90S2
540	27	5.00	1460	3.6	
632	23	4.27	1400	3.8	
675	21	4.00	1370	4.0	
801	18	3.37	1310	4.4	
250	57	5.63	5580	1.90	
264	54	5.35	5490	1.90	
298	48	4.73	5300	2.6	
349	41	4.04	5050	3.5	
381	38	3.70	4920	4.1	BRX 77 D90L4
434	33	3.25	4720	5.5	BRXF 77 D90L4
458	31	3.08	4650	6.2	
523	27	2.70	4460	7.8	
581	25	2.43	4310	8.7	
312	46	4.53	3570	1.80	
328	44	4.30	3520	1.85	
374	38	3.77	3390	2.3	
441	33	3.20	3230	3.1	
488	29	2.89	3140	3.6	BRX 67 D90L4
555	26	2.54	3020	4.6	BRXF 67 D90L4
588	24	2.40	2970	5.0	
690	21	2.04	2820	6.4	
759	19	1.86	2740	6.7	
876	16	1.61	2620	7.0	
1005	14	1.40	2510	7.3	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
372	39	3.79	2700	1.80	
397	36	3.55	2650	1.90	
450	32	3.14	2560	2.0	
484	30	2.91	2510	2.3	
534	27	2.64	2440	2.6	BRX 57 D90L4
595	24	2.37	2360	2.9	BRXF 57 D90L4
691	21	2.04	2260	3.3	
734	20	1.92	2220	3.5	
853	17	1.65	2120	4.1	
955	15	1.48	2050	4.5	
1080	13	1.30	1980	4.7	
2.2kW					
0.84	22400	1670	120000	0.80	
0.98	19500	1438	120000	0.95	
1.1	17300	1279	120000	1.05	
1.3	15100	1123	120000	1.20	BR 167 R97 D100M4
1.4	13500	999	120000	1.35	BRF 167 R97 D100M4
1.6	11600	861	120000	1.55	
1.9	10300	760	120000	1.75	
2.2	8710	656	120000	2.1	
2.6	7130	533	71200	1.80	
3.0	6150	462	72100	2.1	
3.3	5740	426	72400	2.3	BR 147 R87 D100M4
3.8	4960	368	73000	2.6	BRF 147 R87 D100M4
4.3	4390	326	73300	3.0	
1.2	15800	1166	39400	0.80	
1.4	13900	1029	60700	0.95	
1.6	12000	889	64500	1.10	
1.8	10600	784	66900	1.20	BR 147 R77 D100M4
2.0	9400	695	68600	1.40	BRF 147 R77 D100M4
2.3	8420	619	69800	1.55	
2.5	7580	558	70800	1.70	
2.9	6640	489	71700	1.95	
2.0	9510	699	43900	0.85	BR 137 R77 D100M4
2.3	8270	609	52800	0.95	BRF 137 R77 D100M4
1.9	9890	730	36300	0.80	
2.2	8500	629	51800	0.95	
2.5	7620	560	54200	1.05	
2.9	6630	490	56000	1.20	
3.3	5790	428	57400	1.40	BR 137 R77 D100M4
3.7	5190	381	58200	1.55	BRF 137 R77 D100M4
4.4	4400	323	59100	1.80	
4.8	3960	291	59500	2.0	
5.5	3460	255	60000	2.3	
6.3	3030	223	60300	2.6	
3.8	5010	369	12100	0.85	
4.4	4390	323	29000	1.00	
4.9	3860	285	31600	1.10	BR 107 R77 D100M4
5.6	3420	253	33500	1.25	BRF 107 R77 D100M4
6.6	2900	214	35300	1.50	
4.3	4480	325	28400	0.95	BR 107 R77 D100M4
					BRF 107 R77 D100M4
6.0	3170	234	11300	0.95	BR 97 R57 D100M4
6.8	2840	209	22100	1.05	BRF 97 R57 D100M4
3.1	6680	222.60	55900	1.20	
3.7	5660	188.45	57500	1.40	
4.0	5230	174.40	58100	1.55	BR 137 D132S8
4.5	4690	156.31	58800	1.70	BRF 137 D132S8
5.0	4240	141.12	59300	1.90	
5.5	3850	128.18	59600	2.1	
6.2	3410	113.72	60000	2.3	BR 137 D132S8
6.8	3100	103.20	60300	2.6	BRF 137 D132S8
4.6	4540	203.16	28100	0.95	
5.4	3850	172.34	31700	1.10	BR 107 D112M6
5.9	3550	158.68	33000	1.20	BRF 107 D112M6
6.6	3170	141.83	34400	1.35	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
5.6	3740	251.15	32200	1.15	BR 107 D100M4
6.1	3430	229.95	33500	1.25	BRF 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	BR 107 D100M4
11	1900	127.68	36900	2.3	BRF 107 D100M4
12	1720	115.63	37000	2.5	
14	1530	102.53	37200	2.8	
15	1380	92.70	37300	3.1	
6.5	3220	216.28	7030	0.95	BR 97 D100M4
7.6	2780	186.30	22500	1.10	BRF 97 D100M4
8.3	2530	170.02	23900	1.20	
9.4	2250	150.78	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	BR 97 D100M4
17	1240	83.15	28000	2.4	BRF 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	BR 87 D100M4
14	1540	103.65	17000	1.00	BRF 87 D100M4
15	1390	93.38	17900	1.10	
17	1220	81.92	18900	1.25	
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	BR 87 D100M4
30	710	47.58	20000	2.2	BRF 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	BR 87 D100M4
51	415	27.84	17700	3.7	BRF 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	BR 77 D100M4
27	775	52.07	10300	1.05	BRF 77 D100M4
31	685	45.81	11000	1.20	
33	645	43.26	11300	1.25	
38	550	36.83	11800	1.50	BR 77 D100M4
42	500	33.47	12100	1.65	BRF 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	BR 77 D100M4
79	265	17.82	10600	2.9	BRF 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	BR 67 D100M4
44	480	32.27	8750	1.10	BRF 67 D100M4
49	430	28.83	9140	1.20	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
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	BR 67 D100M4
111	189	12.70	7760	2.8	BRF 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	BR 57 D100M4
47	450	30.18	5030	1.00	BRF 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	BR 57 D100M4
119	177	11.88	4230	2.3	BRF 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	BR 57 D90L2
147	143	18.60	4020	3.1	BRF 57 D90L2
163	129	16.79	3920	3.5	
185	114	14.77	3790	3.8	
196	107	13.95	3740	4.0	
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	176	11.79	3270	1.40	
139	151	10.15	3160	1.50	
155	135	9.07	3090	1.65	BR 47 D100M4
176	119	8.01	3000	1.70	BRF 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	BR 47 D90L2
187	112	14.56	2950	2.4	BRF 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	BR 37 D100M4
106	198	13.25	1660	0.95	BRF 37 D100M4
119	176	11.83	1990	1.05	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
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	BR 37 D100M4
249	84	5.67	2570	1.70	BRF 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	BR 37 D90L2
151	139	18.05	2510	1.45	BRF 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	BR 37 D90L2
409	51	6.67	2280	2.8	BRF 37 D90L2
482	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	
139	151	10.13	1120	0.80	
214	98	6.59	1130	1.10	
252	83	5.60	1390	1.20	BR 27 D100M4
282	75	5.00	1540	1.30	BRF 27 D100M4
330	64	4.27	1540	1.35	
353	60	4.00	1520	1.45	
418	50	3.37	1470	1.55	
206	102	13.28	1720	1.25	
230	91	11.86	1690	1.40	
270	78	10.13	1650	1.55	
335	63	8.16	1530	1.85	
358	59	7.63	1510	1.90	BR 27 D90L2
414	51	6.59	1470	2.1	BRF 27 D90L2
488	43	5.60	1420	2.3	
546	39	5.00	1390	2.5	
639	33	4.27	1340	2.6	
683	31	4.00	1310	2.8	
810	26	3.37	1260	3.0	
298	70	4.73	5180	1.75	
349	60	4.04	4950	2.4	
381	55	3.70	4820	2.8	
434	48	3.25	4640	3.8	
458	46	3.08	4560	4.2	BRX 77 D100M4
523	40	2.70	4380	5.3	BRXF 77 D100M4
581	36	2.43	4250	5.9	
662	32	2.13	4080	6.3	
750	28	1.88	3920	6.7	
846	25	1.67	3780	7.0	
991	21	1.42	3590	7.3	
374	56	3.77	3280	1.55	
441	48	3.20	3130	2.1	
488	43	2.89	3050	2.5	
555	38	2.54	2940	3.1	BRX 67 D100M4
588	36	2.40	2890	3.4	BRXF 67 D100M4
690	30	2.04	2760	4.4	
759	28	1.86	2680	4.6	
876	24	1.61	2570	4.8	
1005	21	1.40	2460	5.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
450	47	3.14	2450	1.40	
534	39	2.64	2340	1.75	
595	35	2.37	2280	1.95	
691	30	2.04	2190	2.3	BRX 57 R97 D100M4
734	29	1.92	2150	2.4	BRXF 57 R97 D100M4
853	25	1.65	2060	2.8	
955	22	1.48	1990	3.1	
1080	19	1.30	1930	3.2	
3.0kW					
1.2	20900	1123	120000	0.85	
1.4	18600	999	120000	0.95	
1.6	16000	861	120000	1.10	BR 167 R87 D100L4
1.8	14200	760	120000	1.25	BRF 167 R87 D100L4
2.1	12100	656	120000	1.50	
2.8	9280	503	120000	1.95	
2.6	9880	533	68000	1.30	
3.0	8540	462	69700	1.50	
3.3	7940	426	70400	1.65	BR 147 R77 D100L4
3.8	6860	368	71500	1.90	BRF 147 R77 D100L4
4.3	6070	326	72200	2.1	
5.0	5180	280	72800	2.5	
1.6	16600	889	26300	0.80	
1.8	14700	784	54500	0.90	BR 147 R77 D100L4
2.0	13000	695	62700	1.00	BRF 147 R77 D100L4
2.3	11600	619	65200	1.10	
2.5	10500	558	67100	1.25	
2.8	9160	490	48800	0.85	
3.3	7990	428	53400	1.00	
3.7	7150	381	55100	1.10	BR 137 R77 D100L4
4.3	6070	323	56900	1.30	BRF 137 R77 D100L4
4.8	5460	291	57800	1.45	
5.5	4770	255	58700	1.70	
6.3	4180	223	59300	1.90	
2.7	9870	517	36800	0.80	BR 137 R77 D100L4
3.1	8650	453	51200	0.95	BRF 137 R77 D100L4
5.5	4730	253	25800	0.90	BR 107 D100L4
6.5	4010	214	31000	1.05	BRF 107 D100L4
7.5	3500	187	33200	1.25	
5.5	4870	256	20200	0.90	BR 107 D132M8
					BRF 107 D132M8
3.2	8860	222.60	50300	0.90	
3.8	7500	188.45	54400	1.05	BR 137 D132M8
4.1	6940	174.40	55500	1.15	BRF 137 D132M8
4.6	6220	156.31	56700	1.30	
5.1	5620	141.12	57600	1.40	
5.6	5100	128.18	58300	1.55	
6.3	4520	113.72	59000	1.75	BR 137 D132M8
7.0	4110	103.20	59400	1.95	BRF 137 D132M8
8.1	3530	88.70	59900	2.3	
4.2	6780	222.60	55800	1.20	
5.0	5740	188.45	57400	1.40	BR 137 D132S6
5.4	5320	174.40	58000	1.50	BRF 137 D132S6
6.0	4760	156.31	58700	1.70	
6.7	4300	141.12	59200	1.85	
7.3	3910	128.18	59600	2.0	BR 137 D132S6
8.3	3470	113.72	60000	2.3	BRF 137 D132S6
9.1	3150	103.20	60200	2.5	
5.9	4840	158.68	21600	0.90	BR 107 D132S6
6.6	4320	141.83	29300	1.00	BRF 107 D132S6
7.4	3890	127.68	31500	1.10	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BR 107 D100L4
11	2610	127.68	36000	1.65	BRF 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	BR 97 D100L4
21	1330	65.21	27000	2.2	BRF 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	BR 87 D100L4
19	1490	72.57	17400	1.05	BRF 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	BR 87 D100L4
34	850	41.74	19400	1.80	BRF 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	BR 87 D100L4
65	440	21.51	16100	3.4	BRF 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	BR 77 D100L4
38	755	36.83	10500	1.10	BRF 77 D100L4
42	685	33.47	11000	1.20	
48	595	29.00	11600	1.40	BR 77 D100L4
55	515	25.23	11300	1.50	BRF 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	BR 77 D100L4
114	250	12.33	9350	2.7	BRF 77 D100L4
129	225	10.88	9030	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 [1/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}[1] [N]	使用系数 Service factor f_s	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	
89	325	15.79	7980	1.75	BR 67 D100L4
94	305	14.91	7860	1.80	BRF 67 D100L4
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	BR 57 D100L4
					BRF 57 D100L4
64	450	21.93	4380	1.00	BR 57 D100L4
75	380	18.60	4300	1.20	BRF 57 D100L4
83	345	16.79	4250	1.30	
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	BR 57 D100L4
176	163	7.97	3700	2.2	BRF 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	172	16.79	3730	2.6	BR 57 D100M2
190	151	14.77	3620	2.9	BRF 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	BR 47 D100L4
96	300	14.56	2500	0.90	BRF 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	BR 47 D100L4
201	143	6.96	2680	1.10	BRF 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	BR 47 D100M2
402	71	6.96	2310	2.2	BRF 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	BR 37 D100L4
148	194	9.47	1010	0.85	BRF 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	BR 37 D100L4
324	88	4.32	2070	1.45	BRF 37 D100L4
346	83	4.05	2140	1.45	
411	70	3.41	2180	1.60	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	
420	68	6.67	2170	2.1	**BR 37 D100M2**
494	58	5.67	2090	2.5	**BRF 37 D100M2**
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	
250	115	5.60	360	0.85	
280	102	5.00	615	0.95	
328	87	4.27	910	1.00	**BR 27 D100L4**
350	82	4.00	1010	1.05	**BRF 27 D100L4**
415	69	3.37	1230	1.15	
425	67	6.59	1260	1.55	
500	57	5.60	1330	1.75	
560	51	5.00	1300	1.85	
656	44	4.27	1260	2.0	**BR 27 D100M2**
700	41	4.00	1240	2.1	**BRF 27 D100M2**
831	35	3.37	1200	2.3	
217	132	6.45	7130	1.45	
252	114	5.56	6830	2.0	
276	104	5.07	6650	2.4	**BRX 87 D100L4**
311	92	4.50	6430	3.2	**BRXF 87 D100L4**
370	77	3.78	6100	3.9	
296	97	4.73	5050	1.25	
347	83	4.04	4830	1.75	
378	76	3.70	4720	2.0	**BRX 77 D100L4**
431	67	3.25	4550	2.7	**BRXF 77 D100L4**
455	63	3.08	4480	3.1	
371	77	3.77	3150	1.15	
438	66	3.20	3030	1.55	
485	59	2.89	2950	1.80	
551	52	2.54	2850	2.3	
583	49	2.40	2810	2.5	**BRX 67 D100L4**
685	42	2.04	2690	3.2	**BRXF 67 D100L4**
754	38	1.86	2610	3.3	
870	33	1.61	2510	3.5	
1000	29	1.40	2410	3.6	
446	64	3.14	2330	1.00	
530	54	2.64	2240	1.30	
591	49	2.37	2180	1.40	
686	42	2.04	2100	1.65	**BRX 57 D100L4**
729	39	1.92	2070	1.75	**BRXF 57 D100L4**
847	34	1.65	1990	2.0	
948	30	1.48	1930	2.2	
1075	27	1.30	1870	2.4	
4.0kW					
1.6	21200	861	120000	0.85	
1.9	18700	760	120000	0.95	
2.2	16000	656	120000	1.10	**BR 167 R97 D112M4**
2.8	12300	503	120000	1.45	**BRF 167 R97 D112M4**
3.8	9190	376	120000	1.95	
4.2	8180	335	120000	2.2	
2.7	13100	533	62500	1.00	
3.1	11300	462	65800	1.15	
3.3	10500	426	67100	1.25	
3.8	9060	368	69100	1.45	
4.4	8010	326	70300	1.60	**BR 147 R87 D112M4**
5.1	6850	280	71500	1.90	**BRF 147 R87 D112M4**
5.7	6050	247	72200	2.2	
6.7	5220	214	72800	2.5	
7.5	4620	189	73200	2.8	
8.9	3880	159	73600	3.3	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
4.0kW					
2.3	15300	619	46300	0.85	
2.5	13800	558	61000	0.95	**BR 147 R77 D112M4**
2.9	12100	489	64400	1.10	**BRF 147 R77 D112M4**
3.4	10200	415	67400	1.25	
3.7	9430	381	45400	0.85	
4.4	8000	323	53400	1.00	**BR 137 R77 D112M4**
4.9	7200	291	55000	1.10	**BRF 137 R77 D112M4**
5.6	6290	255	56600	1.25	
6.3	5520	223	57700	1.45	
3.8	9440	376	45200	0.85	
4.2	8500	339	51800	0.95	**BR 137 R77 D112M4**
4.8	7450	297	54500	1.05	**BRF 137 R77 D112M4**
7.6	4620	187	27600	0.95	**BR 107 R77 D112M4** **BRF 107 R77 D112M4**
7.3	4840	193	21400	0.90	**BR 107 R77 D112M4**
8.2	4330	172	29300	1.00	**BRF 107 R77 D112M4**
4.4	8660	163.31	69500	1.50	
4.9	7790	146.91	70500	1.65	**BR 147 D132ML8**
6.0	6360	119.86	71900	2.0	**BRF 147 D132ML8**
6.6	5800	109.31	72400	2.2	
4.1	9250	174.40	48400	0.85	
4.6	8290	156.31	52700	0.95	
5.1	7490	141.12	54400	1.05	**BR 137 D132ML8**
5.6	6800	128.18	55700	1.20	**BRF 137 D132ML8**
6.3	6030	113.72	57000	1.35	
7.0	5470	103.20	57800	1.45	
4.3	8860	222.60	50300	0.90	
5.1	7500	188.45	54400	1.05	
5.5	6940	174.40	55500	1.15	**BR 137 D132M6**
6.1	6220	156.31	56700	1.30	**BRF 137 D132M6**
6.8	5620	141.12	57600	1.40	
7.5	5100	128.18	58300	1.55	
8.4	4520	113.72	59000	1.75	**BR 137 D132M6**
9.3	4110	103.20	59400	1.95	**BRF 137 D132M6**
11	3530	88.70	59900	2.3	
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	**BR 107 D112M4**
15	2490	92.70	36200	1.70	**BRF 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	**BR 97 D112M4**
24	1610	59.92	25500	1.85	**BRF 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	**BR 97 D112M4**
57	675	25.03	20100	4.2	**BRF 97 D112M4**
63	600	22.37	19500	4.5	
71	540	20.14	18900	4.8	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
4.0kW					
22	1710	63.68	13300	0.90	**BR 87 D112M4**
24	1620	60.35	13900	0.95	**BRF 87 D112M4**
27	1420	52.82	15200	1.10	
30	1280	47.58	16000	1.20	
34	1120	41.74	16800	1.40	**BR 87 D112M4**
39	990	36.84	17400	1.55	**BRF 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	
51	750	27.84	16800	2.1	
61	630	23.40	16100	2.5	
66	580	21.51	15700	2.6	**BR 87 D112M4**
74	515	19.10	15200	2.8	**BRF 87 D112M4**
83	460	17.08	14700	3.0	
92	415	15.35	14300	3.2	
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	**BR 77 D112M4**
49	780	29.00	10300	1.05	**BRF 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	**BR 77 D112M4**
131	295	10.88	8780	2.3	**BRF 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	
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	**BR 67 D112M4**
163	235	8.70	6600	1.90	**BRF 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	**BR 57 D112M4**
85	450	16.79	3830	1.00	**BRF 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	**BR 57 D112M4**
178	215	7.97	3500	1.65	**BRF 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	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
4.0kW					
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	**BR 47 D112M4**
237	161	6.00	2430	0.95	**BRF 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	**BR 47 D112M2**
369	104	7.76	2250	1.55	**BRF 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	
255	150	5.56	6630	1.50	
280	137	5.07	6470	1.85	**BRX 87 D112M4**
316	121	4.50	6260	2.4	**BRXF 87 D112M4**
375	102	3.78	5960	3.0	
351	109	4.04	4670	1.30	
383	100	3.70	4560	1.55	
437	87	3.25	4410	2.1	
461	83	3.08	4350	2.3	
527	73	2.70	4190	3.0	**BRX 77 D112M4**
585	65	2.43	4070	3.3	**BRXF 77 D112M4**
667	57	2.13	3920	3.5	
755	51	1.88	3780	3.7	
852	45	1.67	3650	3.9	
998	38	1.42	3480	4.1	
444	86	3.20	2870	1.15	
492	78	2.89	2810	1.35	
559	68	2.54	2730	1.75	
592	65	2.40	2690	1.90	**BRX 67 D112M4**
692	55	2.04	2580	2.4	**BRXF 67 D112M4**
765	50	1.86	2520	2.5	
883	43	1.61	2420	2.6	
1015	38	1.40	2330	2.8	
538	71	2.64	1670	0.95	
599	64	2.37	1780	1.10	
696	55	2.04	1910	1.25	
740	52	1.92	1940	1.35	**BRX 57 D112M4**
859	44	1.65	1900	1.55	**BRXF 57 D112M4**
962	40	1.48	1840	1.70	
1090	35	1.30	1790	1.80	
5.5kW					
2.2	22000	656	120000	0.80	
2.5	19300	579	120000	0.95	
2.8	16900	503	120000	1.05	
3.3	14400	432	120000	1.25	**BR 167 R97 D132S4**
3.8	12600	376	120000	1.45	**BRF 167 R97 D132S4**
4.3	11200	335	120000	1.60	
4.7	10100	303	120000	1.80	
5.1	9310	279	120000	1.95	
3.1	15500	462	43700	0.85	
3.3	14400	426	57800	0.90	
3.9	12400	368	63800	1.05	
4.4	11000	326	66300	1.20	**BR 147 R87 D132S4**
5.1	9410	280	68600	1.40	**BRF 147 R87 D132S4**
5.8	8300	247	70000	1.55	
6.7	7170	214	71200	1.80	
7.6	6340	189	71900	2.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
5.5kW					
3.1	17000	229.71	120000	1.05	BR 167 D160M8
3.8	13800	186.93	120000	1.30	BRF 167 D160M8
4.6	11300	153.07	120000	1.60	
5.1	10400	139.98	120000	1.75	
5.8	9010	121.81	120000	2.0	
4.3	12100	163.31	64400	1.10	BR 147 D160M8
4.8	10900	146.91	66500	1.20	BRF 147 D160M8
5.9	8870	119.86	69300	1.45	
6.5	8090	109.31	70200	1.60	
5.9	8930	163.31	69200	1.45	BR 147 D132ML6
6.5	8040	146.91	70300	1.60	BRF 147 D132ML6
8.0	6560	119.86	71700	2.0	
8.8	5980	109.31	72200	2.2	BR 147 D132ML6
10	5180	94.60	72800	2.5	BRF 147 D132ML6
12	4570	83.47	73200	2.8	
5.5	9480	128.18	44400	0.85	
6.2	8410	113.72	52200	0.95	BR 137 D160M8
6.9	7630	103.20	54200	1.05	BRF 137 D160M8
8.0	6560	88.70	56100	1.20	
5.5	9540	174.40	43300	0.85	
6.1	8550	156.31	51600	0.95	
6.8	7720	141.12	54000	1.05	BR 137 D132ML6
7.5	7010	128.18	55300	1.15	BRF 137 D132ML6
8.4	6220	113.72	56700	1.30	
9.3	5650	103.20	57600	1.40	
6.4	8180	222.60	53000	1.00	
7.6	6920	188.45	55500	1.15	BR 137 D132S4
8.2	6410	174.40	56400	1.25	BRF 137 D132S4
9.1	5740	156.31	57400	1.40	
10	5180	141.12	58200	1.55	
11	4710	128.18	58800	1.70	
13	4180	113.72	59300	1.90	
14	3790	103.20	59700	2.1	
16	3260	88.70	60200	2.5	
18	2970	80.91	60400	2.7	BR 137 D132S4
19	2700	73.49	60500	3.0	BRF 137 D132S4
22	2390	65.20	60700	3.3	
24	2170	59.17	60900	3.7	
28	1870	50.86	61000	4.3	
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	BR 107 D132S4
20	2680	72.88	32900	1.60	BRF 107 D132S4
22	2410	65.60	32100	1.80	
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	BR 97 D132S4
30	1750	47.58	23000	1.70	BRF 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	
64	820	22.37	19000	3.3	BR 97 D132S4
71	740	20.14	18400	3.5	BRF 97 D132S4
78	670	18.24	17900	3.7	
88	595	16.17	17300	4.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
5.5kW					
30	1750	47.58	15400	0.90	
34	1530	41.74	17000	1.00	BR 87 D132S4
39	1350	36.84	17200	1.15	BRF 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	BR 87 D132S4
107	490	13.33	13400	2.6	BRF 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	BR 77 D132S4
80	655	17.82	9400	1.20	BRF 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	BR 77 D132S4
166	315	8.59	8080	2.0	BRF 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	BR 67 D132S4
183	285	7.79	6180	1.35	BRF 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	BR 67 D132S2
460	114	6.27	4860	2.9	BRF 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	BR 57 D132S4
120	435	11.88	2900	0.95	BRF 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	BR 57 D132S4
223	235	6.41	3120	1.40	BRF 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	BR 57 D132S2
449	117	6.41	2720	2.9	BRF 57 D132S2
494	106	5.82	2660	3.0	
571	92	5.05	2560	3.3	
656	80	4.39	2470	3.5	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
5.5kW					
295	178	4.85	1870	0.85	BR 47 D132S4
330	159	4.34	2110	0.90	BRF 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	BR 47 D132S2
480	109	6.00	2000	1.45	BRF 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	
216	245	6.63	10500	1.90	
255	205	5.61	9980	2.2	BRX 107 D132S4
276	191	5.19	9760	3.7	BRXF 107 D132S4
307	171	4.65	9460	4.1	
247	215	5.79	8380	1.95	
291	180	4.91	8010	2.2	
316	166	4.52	7820	3.6	
354	149	4.04	7580	4.0	
393	134	3.64	7350	4.4	
434	121	3.30	7140	4.9	BRX 97 D132S4
489	107	2.92	6890	5.5	BRXF 97 D132S4
541	97	2.64	6690	6.1	
638	82	2.24	6360	7.2	
731	72	1.96	6110	7.9	
874	60	1.64	5780	8.4	
1010	52	1.42	5530	8.8	
318	165	4.50	6040	1.75	
378	139	3.78	5770	2.2	
411	128	3.48	5640	3.2	BRX 87 D132S4
463	113	3.09	5460	3.6	BRXF 87 D132S4
518	101	2.76	5290	4.0	
576	91	2.48	5130	4.4	
664	79	2.15	4930	4.9	
440	119	3.25	4220	1.50	
464	113	3.08	4160	1.70	
530	99	2.70	4030	2.2	
589	89	2.43	3920	2.4	BRX 77 D132S4
671	78	2.13	3780	2.6	BRXF 77 D132S4
761	69	1.88	3660	2.7	
858	61	1.67	3540	2.8	
1005	52	1.42	3380	3.0	
563	93	2.54	2550	1.25	
596	88	2.40	2520	1.40	
700	75	2.04	2430	1.80	BRX 67 D132S4
770	68	1.86	2380	1.85	BRXF 67 D132S4
889	59	1.61	2300	1.95	
1020	51	1.40	2220	2.0	
700	75	2.04	665	0.90	
745	71	1.92	755	1.00	BR 57 D132S4
866	61	1.65	940	1.15	BRF 57 D132S4
969	54	1.48	1020	1.25	
1095	48	1.30	1160	1.30	
7.5kW					
2.8	23100	503	120000	0.80	
3.3	19800	432	120000	0.90	
3.8	17300	376	120000	1.05	BR 167 R97 D132M4
4.3	15400	335	120000	1.15	BRF 167 R97 D132M4
4.7	13900	303	120000	1.30	
5.1	12800	279	120000	1.40	
4.4	15000	326	50100	0.85	
5.1	12900	280	62900	1.00	
5.8	11400	247	65700	1.15	BR 147 R87 D132M4
6.7	9810	214	68000	1.30	BRF 147 R87 D132M4
7.6	8680	189	69500	1.50	
9.0	7290	159	71000	1.80	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
7.5kW					
3.1	22900	229.71	120000	0.80	
3.8	18600	186.93	120000	0.95	BR 167 D160L8
4.7	15200	153.07	120000	1.20	BRF 167 D160L8
5.1	13900	139.98	120000	1.30	
5.9	12100	121.81	120000	1.50	
4.2	17100	229.71	120000	1.05	BR 167 D160M6
5.1	13900	186.93	120000	1.30	BRF 167 D160M6
6.3	11400	153.07	120000	1.60	
6.9	10400	139.98	120000	1.70	
7.9	9090	121.81	120000	2.0	
8.9	8020	107.49	120000	2.2	BR 167 D160M6
10	6950	93.19	120000	2.6	BRF 167 D160M6
12	6190	82.91	120000	2.9	
13	5500	73.70	120000	3.3	
14	5030	67.40	120000	3.6	
4.4	16200	163.31	32800	0.80	
4.9	14600	146.91	55100	0.90	BR 147 D160L8
6.0	11900	119.86	64700	1.10	BRF 147 D160L8
6.6	10900	109.31	66500	1.20	
5.9	12200	163.31	64200	1.05	
6.5	11000	146.91	66300	1.20	BR 147 D160M6
8.0	8940	119.86	69200	1.45	BRF 147 D160M6
8.8	8150	109.31	70100	1.60	
10	700	94.60	71300	1.85	BR 147 D160M6
12	6230	83.47	72000	2.1	BRF 147 D160M6
7.6	9440	188.45	45300	0.85	
8.2	8730	174.40	50800	0.90	BR 137 D132M4
9.1	7830	156.31	53700	1.00	BRF 137 D132M4
10	7070	141.12	55200	1.15	
11	6420	128.18	56400	1.25	
13	5700	113.72	57500	1.40	
14	5170	103.20	58200	1.55	
16	4440	88.70	59100	1.80	BR 137 D132M4
18	4050	80.91	59500	1.95	BRF 137 D132M4
19	3680	73.49	59800	2.2	
22	3270	65.20	60100	2.5	
24	2960	59.17	60400	2.7	
28	2550	50.86	60600	3.1	
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	BR 107 D132M4
27	2640	52.68	29200	1.65	BRF 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	BR 107 D132M4
57	1250	24.90	24100	3.5	BRF 107 D132M4
63	1130	22.62	23400	3.8	
24	3000	59.92	19700	1.00	
27	2670	53.21	22200	1.15	BR 97 D132M4
30	2380	47.58	21800	1.25	BRF 97 D132M4
33	2140	42.78	21300	1.40	
39	1860	37.13	20700	1.60	
43	1670	33.25	20200	1.75	BR 97 D132M4
52	1380	27.58	19400	1.95	BRF 97 D132M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
7.5kW					
45	1610	32.05	20000	1.60	
53	1360	27.19	19300	1.90	
57	1250	25.03	18900	2.3	BR 97 D132M4
64	1120	22.37	18400	2.4	BRF 97 D132M4
71	1010	20.14	17900	2.6	
78	910	18.24	17500	2.7	
39	1840	36.84	11500	0.85	
44	1640	32.66	15700	0.95	BR 87 D132M4
51	1400	27.88	15200	1.05	BRF 87 D132M4
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	BR 87 D132M4
120	600	11.93	12600	2.1	BRF 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	BR 77 D132M4
148	485	9.64	7810	1.30	BRF 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	BR 67 D132M4
194	370	7.36	5720	1.00	BRF 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	
179	400	7.97	980	0.90	
190	375	7.53	1280	0.95	
223	320	6.41	2020	1.05	BR 57 D132M4
246	290	5.82	2380	1.10	BRF 57 D132M4
283	255	5.05	2760	1.20	
326	220	4.39	2710	1.25	
196	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	BR 57 D132M2
364	197	7.97	2670	1.80	BRF 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	
216	330	6.63	10100	1.40	
255	280	5.61	9690	1.60	BRX 107 D132M4
276	260	5.19	9490	2.7	BRXF 107 D132M4
307	235	4.65	9210	3.0	
340	210	4.20	8950	3.9	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
7.5kW					
247	290	5.79	8080	1.45	
291	245	4.91	7750	1.60	
316	225	4.52	7580	2.6	BRX 97 D132M4
354	205	4.04	7360	2.9	BRXF 97 D132M4
393	182	3.64	7160	3.3	
434	165	3.30	6960	3.6	
489	146	2.92	6730	4.1	
318	225	4.50	5760	1.30	
378	189	3.78	5530	1.60	
411	174	3.48	5420	2.3	
463	155	3.09	5260	2.6	
518	138	2.76	5110	2.9	BRX 87 D132M4
576	124	2.48	4970	3.3	BRXF 87 D132M4
664	108	2.15	4780	3.6	
741	97	1.93	4640	3.7	
894	80	1.60	4400	3.9	
1030	70	1.39	4230	4.2	
440	163	3.25	3820	1.10	
464	154	3.08	3890	1.25	
530	135	2.70	3820	1.60	
589	122	2.43	3730	1.75	BRX 77 D132M4
671	107	2.13	3620	1.85	BRXF 77 D132M4
761	94	1.88	3510	2.0	
858	84	1.67	3400	2.1	
1005	71	1.42	3260	2.2	
563	127	2.54	1500	0.95	
596	120	2.40	1610	1.00	
700	102	2.04	1810	1.30	BRX 67 D132M4
770	93	1.86	1930	1.35	BRXF 67 D132M4
889	81	1.61	2060	1.40	
1020	70	1.40	2080	1.50	
9.2kW					
3.8	21100	3.76	120000	0.85	
4.3	18800	335	120000	0.95	BR 167R97D132ML4
4.8	16900	303	120000	1.05	BRF 167R97D132ML4
5.2	15600	279	120000	1.15	
5.1	15700	280	40800	0.85	
5.8	13900	247	60800	0.95	BR 147R87D132ML4
6.7	12000	214	64600	1.10	BRF 147R87D132ML4
7.6	10600	189	66900	1.25	
9.1	8900	159	69300	1.45	
8.8	9960	163.31	67800	1.30	
9.8	8960	146.91	69200	1.45	BR 147 D132ML4
12	7310	119.86	71000	1.80	BRF 147 D132ML4
13	6670	109.31	71600	1.95	
15	5770	94.60	72400	2.2	
17	5090	83.47	72900	2.5	BR 147 D132ML4
20	4400	72.09	73300	3.0	BRF 147 D132ML4
22	4090	66.99	73500	3.2	
9.2	9540	156.31	43400	0.85	
10	8610	141.12	51400	0.95	BR 137 D132ML4
11	7820	128.72	53800	1.00	BRF 137 D132ML4
13	6940	113.72	55500	1.15	
14	6300	103.20	56600	1.25	
16	5410	88.70	57900	1.50	
18	4940	80.91	58500	1.60	
20	4480	73.49	59000	1.80	BR 137 D132ML4
22	3980	65.20	59500	2.0	BRF 137 D132ML4
24	3610	59.17	59900	2.2	
28	3100	50.86	60300	2.6	
32	2710	44.39	60500	3.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
9.2kW					
18	4790	78.57	23300	0.90	
20	4450	72.88	28600	0.95	
22	4000	65.60	29400	1.05	
24	3620	59.41	28800	1.20	BR 107 D132ML4
27	3210	52.68	28100	1.35	BRF 107 D132ML4
30	2910	47.63	27500	1.50	
36	2460	40.37	26500	1.75	
41	2150	35.26	25700	2.0	
49	1800	29.49	24600	2.4	
47	1880	30.77	24900	2.3	
52	1680	27.58	24200	2.6	BR 107 D132ML4
58	1520	24.90	23500	2.8	BRF 107 D132ML4
64	1380	22.62	23000	3.1	
72	1220	20.07	22200	3.5	
27	3250	53.21	3280	0.90	BR 97 D132ML4
30	2900	47.58	20600	1.05	BRF 97 D132ML4
34	2610	42.78	20300	1.15	
39	2270	37.13	19800	1.30	
43	2030	33.25	19400	1.40	BR 97 D132ML4
52	1680	27.58	18700	1.60	BRF 97 D132ML4
58	1530	25.03	18300	1.85	
64	1370	22.37	17900	2.0	
71	1230	20.14	17400	2.1	BR 97 D132ML4
79	1110	18.24	17000	2.2	BRF 97 D132ML4
89	990	16.17	16500	2.4	
98	890	14.62	16100	2.6	
116	755	12.39	15400	2.9	
67	1310	21.51	13900	1.15	
75	1170	19.10	13600	1.25	
84	1040	17.08	13200	1.35	
94	940	15.35	13000	1.45	
108	810	13.33	12600	1.55	BR 87 D132ML4
121	730	11.93	12200	1.70	BRF 87 D132ML4
145	605	9.90	11700	1.95	
158	560	9.14	11700	2.2	
175	500	8.22	11400	2.3	
202	435	7.13	10900	2.5	
225	390	6.39	10600	2.6	
102	860	14.05	4740	0.85	
117	750	12.33	5610	0.90	BR 77 D132ML4
132	665	10.88	6280	1.00	BRF 77 D132ML4
149	590	9.64	6800	1.05	
186	470	7.74	6300	1.30	
212	415	6.79	6720	1.40	BR 77 D132ML4
240	365	5.99	6920	1.50	BRF 77 D132ML4
271	325	5.31	6720	1.55	
277	315	5.19	9240	2.2	
310	285	4.65	8990	2.5	BRX 107 D132ML4
343	255	4.20	8760	3.2	BRXF 107 D132ML4
377	235	3.81	8540	3.6	
425	205	3.38	8270	4.0	
318	275	4.52	7370	2.2	
356	245	4.04	7170	2.4	
396	220	3.64	6980	2.7	
437	200	3.30	6800	3.0	
493	178	2.92	6590	3.3	BRX 97 D132ML4
545	161	2.64	6410	3.7	BRXF 97 D132ML4
643	137	2.24	6120	4.3	
736	119	1.96	5890	4.8	
880	100	1.64	5590	5.1	
1015	86	1.42	5360	5.3	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
9.2kW					
414	210	3.48	5220	1.90	
466	188	3.09	5080	2.2	
522	168	2.76	4950	2.4	
580	151	2.48	4820	2.7	BRX 87 R107 D132ML4
669	131	2.15	4650	2.9	BRXF 87 R107 D132ML4
747	118	1.93	4520	3.0	
900	98	1.60	4300	3.2	
1035	85	1.39	4140	3.4	
593	148	2.43	3010	1.45	
676	130	2.13	3160	1.55	BRX 77 R107 D132ML4
766	115	1.88	3260	1.65	BRXF 77 R107 D132ML4
864	102	1.67	3280	1.70	
1010	87	1.42	3160	1.80	
11.0kW					
4.9	19600	295	120000	0.90	
5.3	18100	270	120000	1.00	BR 167 R107 D160M4
6.3	15300	229	120000	1.20	BRF 167 R107 D160M4
7.2	13400	200	120000	1.35	
8.5	11300	169	120000	1.60	
5.0	19800	291	120000	0.90	BR 167 R97 D160M4
					BRF 167 R97 D160M4
4.3	22500	335	120000	0.80	BR 167 R87 D160M4
4.8	20300	303	120000	0.90	BRF 167 R87 D160M4
5.2	18700	279	120000	0.95	
5.8	16600	247	26800	0.80	
6.7	14300	214	58300	0.90	BR 147 D160M4
7.6	12700	189	63300	1.05	BRF 147 D160M4
9.1	10700	159	66800	1.20	
5.1	20500	186.93	120000	0.90	
6.3	16700	153.07	120000	1.05	BR 167 D160L6
6.9	15300	139.98	120000	1.20	BRF 167 D160L6
7.9	13300	121.81	120000	1.35	
6.3	16800	229.71	120000	1.05	BR 167 D160M4
7.7	13600	186.93	120000	1.30	BRF 167 D160M4
9.4	11200	153.07	120000	1.60	
10	10200	139.98	120000	1.75	
12	8890	121.81	120000	2.0	BR 167 D160M4
13	7840	107.49	120000	2.3	BRF 167 D160M4
15	6800	93.19	120000	2.7	
17	6050	82.91	120000	3.0	
6.5	16100	146.91	35400	0.80	
8.0	13100	119.86	62400	1.00	BR 147 D160L6
8.8	12000	109.31	64600	1.10	BRF 147 D160L6
10	10400	94.60	67300	1.25	
12	9130	83.47	39000	1.40	
8.8	11900	163.31	64700	1.10	BR 147 D160M4
9.8	10700	146.91	66700	1.20	BRF 147 D160M4
12	8740	119.86	69400	1.50	
13	7970	109.31	70300	1.65	
15	6900	94.60	71400	1.90	
17	6090	83.47	72100	2.1	BR 147 D160M4
20	5260	72.09	72800	2.5	BRF 147 D160M4
22	4890	66.99	73000	2.7	
24	4460	61.09	73300	2.9	
27	3860	52.87	73600	3.4	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
11.0kW							
10	10300	142.12	23300	0.80			
11	9350	128.18	46900	0.85			
13	8300	113.72	52700	0.95			
14	7530	103.20	54400	1.05			
16	6470	88.70	56300	1.25			
18	5900	80.91	57200	1.35	BR	137	D160M4
20	5360	73.49	57900	1.50	BRF	137	D160M4
22	4760	65.20	58700	1.70			
24	4320	59.17	59200	1.85			
28	3710	50.86	59800	2.2			
32	3240	44.39	60200	2.5			
38	2750	37.65	60500	2.9			
44	2400	32.91	60700	3.3			
22	4790	65.60	23700	0.90			
24	4330	59.41	27600	1.00			
27	3840	52.68	27100	1.10	BR	107	D160M4
30	3470	47.63	26600	1.25	BRF	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	BR	107	D160M4
64	1650	22.62	22500	2.6	BRF	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	BR	97	D160M4
43	2430	33.25	18600	1.20	BRF	97	D160M4
52	2010	27.58	18000	1.35			
58	1830	25.03	17700	1.55	BR	97	D160M4
64	1630	22.37	17300	1.65	BRF	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	BR	97	D160M4
133	790	10.83	14600	2.7	BRF	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	BR	87	D160M4
75	1390	19.10	13000	1.05	BRF	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	BR	87	D160M4
158	665	9.14	11500	1.80	BRF	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	BR	77	D160M4
149	705	9.64	5000	0.90	BRF	77	D160M4
186	565	7.74	4630	1.10			
212	495	6.79	5250	1.15	BR	77	D160M4
240	435	5.99	5720	1.25	BRF	77	D160M4
271	390	5.31	6090	1.30			
277	380	5.19	9000	1.85			
310	340	4.65	8770	2.0			
343	305	4.20	8560	2.7	BRX	107	D160M4
377	280	3.81	8360	3.0	BRXF	107	D160M4
425	245	3.38	8100	3.4			
469	225	3.07	7900	3.7			
545	193	2.64	7580	4.3			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
11.0kW							
318	330	4.52	7150	1.80			
356	295	4.04	6970	2.0			
396	265	3.64	6800	2.2			
437	240	3.30	6640	2.5			
493	215	2.92	6440	2.8	BRX	97	D160M4
545	193	2.64	6280	3.1	BRXF	97	D160M4
643	163	2.24	6000	3.6			
736	143	1.96	5790	4.0			
880	119	1.64	5500	4.2			
1015	103	1.42	5280	4.4			
414	255	3.48	5030	1.60			
466	225	3.09	4910	1.80	BRX	87	D160M4
522	200	2.76	4790	2.0	BRXF	87	D160M4
580	181	2.48	4680	2.2			
669	157	2.15	4530	2.5			
747	141	1.93	4400	2.5	BRX	87	D160M4
900	117	1.60	4200	2.8	BRXF	87	D160M4
1035	102	1.39	4050	2.9			
593	177	2.43	1890	1.20			
676	155	2.13	2140	1.30	BRX	77	D160M4
766	137	1.88	2330	1.35	BRXF	77	D160M4
864	122	1.67	2460	1.40			
1010	104	1.42	2580	1.50			
15.0kW							
6.4	20700	229	120000	0.85	BR	167 R107	D160L4
7.3	18100	200	120000	1.00	BRF	167 R107	D160L4
8.6	15200	169	120000	1.20			
6.4	20800	227	120000	0.85	BR	167 R107	D160L4
7.4	18100	198	120000	1.00	BRF	167 R107	D160L4
6.3	22600	153.07	120000	0.80			
6.9	20700	139.98	120000	0.85	BR	167	D180L6
8.0	18000	121.81	120000	1.00	BRF	167	D180L6
9.0	15900	107.49	120000	1.15			
6.4	22500	229.71	120000	0.80	BR	167	D160L4
7.8	18300	186.93	120000	1.00	BRF	167	D160L4
9.5	15000	153.07	120000	1.20			
10	13700	139.98	120000	1.30			
12	12000	121.81	120000	1.50			
14	10500	107.49	120000	1.70	BR	167	D160L4
16	9140	93.19	120000	1.95	BRF	167	D160L4
18	8130	82.91	120000	2.2			
20	7230	73.70	120000	2.5			
22	6610	67.40	120000	2.7			
8.9	16100	109.31	34400	0.80			
10	14000	94.60	60600	0.95			
12	12300	83.47	64000	1.05	BR	147	D180L6
13	10600	72.09	66800	1.20	BRF	147	D180L6
14	9890	66.99	67900	1.30			
8.9	16000	163.31	36200	0.80			
9.9	14400	146.91	57400	0.90	BR	147	D160L4
12	11800	119.86	65000	1.10	BRF	147	D160L4
13	10700	109.31	66700	1.20			
15	9280	94.60	68800	1.40			
17	8190	83.47	70100	1.60			
20	7070	72.09	71300	1.85	BR	147	D160L4
22	6570	66.99	71700	2.0	BRF	147	D160L4
24	5990	61.09	72200	2.2			
28	5190	52.87	72800	2.5			
31	4580	46.65	73200	2.8			
14	10100	103.20	30700	0.80			
16	8700	88.70	51000	0.90	BR	137	D160L4
18	7940	80.91	53500	1.00	BRF	137	D160L4
20	7210	73.49	55000	1.10			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
15.0kW							
22	6400	65.20	56400	1.25			
25	5800	59.17	57300	1.40			
29	4990	50.86	58400	1.60	BR	137	D160L4
33	4360	44.39	59100	1.85	BRF	137	D160L4
39	3690	37.65	59800	2.2			
44	3230	32.91	60200	2.5			
52	2730	27.83	60500	2.8			
31	4670	47.63	24500	0.90			
36	3960	40.37	23900	1.10	BR	107	D160L4
41	3460	35.26	23400	1.25	BRF	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	BR	107	D160L4
73	1970	20.07	20900	2.2	BRF	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	BR	97	D160L4
					BRF	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	BR	97	D160L4
118	1220	12.39	14400	1.80	BRF	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	BR	87	D160L4
110	1310	13.33	11300	1.00	BRF	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	BR	87	D160L4
205	700	7.13	10300	1.55	BRF	87	D160L4
229	625	6.39	10100	1.65			
275	520	5.30	96000	1.75			
281	510	5.19	8440	1.35			
314	455	4.65	8260	1.50	BRX	107	D160L4
348	410	4.20	8100	2.0	BRXF	107	D160L4
383	375	3.81	7930	2.2			
431	330	3.38	7720	2.5			
475	300	3.07	7540	2.8			
553	260	2.64	7260	3.2	BRX	107	D160L4
634	225	2.30	7010	3.7	BRXF	107	D160L4
747	192	1.95	6710	4.0			
855	168	1.71	6470	4.2			
1010	142	1.44	6170	4.6			
323	445	4.52	6660	1.35			
361	395	4.04	6530	1.50			
401	355	3.64	6400	1.65			
443	325	3.30	6270	1.85			
499	285	2.92	6110	2.1	BRX	97	D160L4
552	260	2.64	5970	2.3	BRXF	97	D160L4
652	220	2.24	5730	2.7			
746	192	1.96	5550	3.0			
892	161	1.64	5290	3.2			
1030	139	1.42	5090	3.3			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
15.0kW							
420	340	3.48	426 0	1.20			
473	305	3.09	4510	1.35	BRX	87	D160L4
529	270	2.76	4430	1.50	BRXF	87	D160L4
588	245	2.48	4350	1.65			
678	210	2.15	4230	1.80			
757	189	1.93	4130	1.90	BRX	87	D160L4
913	157	1.60	3960	2.0	BRXF	87	D160L4
1050	137	1.39	3840	2.1			
18.5kW							
7.8	22500	186.93	120000	0.80			
9.6	18500	153.07	120000	1.00	BR	167	D180M4
10	16900	139.98	120000	1.05	BRF	167	D180M4
12	14700	121.81	120000	1.25			
14	13000	107.49	120000	1.40			
16	11200	93.19	120000	1.60			
18	10000	82.91	120000	1.80	BR	167	D180M4
20	8890	73.70	120000	2.0	BRF	167	D180M4
22	8130	67.40	120000	2.2			
25	7070	58.65	120000	2.5			
12	14500	119.86	56900	0.90	BR	147	D180M4
13	13200	109.31	62300	1.00	BRF	147	D180M4
15	11400	94.60	65600	1.15			
18	10100	83.47	67700	1.30			
20	8690	72.09	69500	1.50			
22	8080	66.99	70200	1.60	BR	147	D180M4
24	7370	61.09	71000	1.75	BRF	147	D180M4
28	6380	52.87	71900	2.0			
31	5630	46.65	72500	2.3			
36	4860	40.29	73000	2.7			
18	9760	80.91	39000	0.80			
20	8860	73.49	50200	0.90	BR	137	D180M4
22	7860	65.20	53700	1.00	BRF	137	D180M4
25	7140	59.17	55100	1.10			
29	6130	50.86	56800	1.30			
33	5350	44.39	58000	1.50	BR	137	D180M4
39	4540	37.65	58900	1.75	BRF	137	D180M4
45	3970	32.91	59500	2.0			
53	3360	27.83	60100	2.3			
50	3570	29.57	59900	2.2			
61	2910	24.12	60400	2.8	BR	137	D180M4
67	2650	22.00	60600	3.0	BRF	137	D180M4
77	2300	19.04	60800	3.5			
87	2030	16.80	60900	4.0			
36	4870	40.37	20200	0.90	BR	107	D180M4
42	4250	35.26	22000	1.00	BRF	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	BR	107	D180M4
107	1650	13.66	18500	2.6	BRF	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			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
18.5kW					
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	BR 97 D180M4
158	1120	9.29	13400	1.80	BRF 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	BR 87 D180M4
178	990	8.22	10300	1.15	BRF 87 D180M4
205	860	7.13	10000	1.25	
229	770	6.39	9770	1.30	
276	640	5.30	9350	1.40	
349	505	4.20	7710	1.65	
384	460	3.81	7580	1.80	BRX 107 D180M4
433	410	3.38	7400	2.0	BRXF 107 D180M4
477	370	3.07	7250	2.2	
555	320	2.64	7010	2.6	
636	280	2.30	6780	3.0	BRX 107 D180M4
750	235	1.95	6510	3.2	BRXF 107 D180M4
858	205	1.71	6290	3.4	
1015	174	1.44	6020	3.7	
402	440	3.64	6060	1.35	
444	400	3.30	5960	1.50	
501	355	2.92	5830	1.70	
554	320	2.64	5710	1.85	BRX 97 D180M4
654	270	2.24	5510	2.2	BRXF 97 D180M4
749	235	1.96	5350	2.4	
895	197	1.64	5120	2.6	
1035	171	1.42	4940	2.7	
531	335	2.76	3040	1.20	
590	300	2.48	3340	1.35	
680	260	2.15	3630	1.50	BRX 87 D180M4
760	235	1.93	3820	1.55	BRXF 87 D180M4
916	193	1.60	3770	1.65	
1055	168	1.39	3670	1.75	
22kW					
9.6	22000	153.07	120000	0.80	
10	20100	139.98	120000	0.90	BR 167 D180L4
12	17500	121.81	120000	1.05	BRF 167 D180L4
14	15400	107.49	120000	1.15	
16	13400	93.19	120000	1.35	
18	11900	82.91	120000	1.50	
20	10600	73.70	120000	1.70	BR 167 D180L4
22	9670	67.40	120000	1.85	BRF 167 D180L4
25	8410	58.65	120000	2.1	
28	7420	51.76	120000	2.4	
33	6430	44.87	120000	2.8	
13	15700	109.31	41300	0.85	
15	13600	94.60	61500	0.95	BR 147 D180L4
18	12000	83.47	64600	1.10	BRF 147 D180L4
20	10300	72.09	67300	1.25	
22	9610	66.99	68300	1.35	
24	8760	61.09	69400	1.50	
28	7580	52.87	70800	1.70	BR 147 D180L4
31	6690	46.65	71600	1.95	BRF 147 D180L4
36	5780	40.29	72400	2.2	
41	5110	35.64	72900	2.5	
49	4300	29.95	73400	3.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
22kW					
22	9350	65.20	46900	0.85	
25	8480	59.17	51900	0.95	BR 137 D180L4
29	7290	50.86	54800	1.10	BRF 137 D180L4
33	6370	44.39	56500	1.25	
39	5400	37.65	57900	1.50	
45	4720	32.91	58700	1.70	BR 137 D180L4
53	3990	27.83	59500	1.90	BRF 137 D180L4
50	4240	29.57	59300	1.85	
61	3460	24.12	60000	2.3	BR 137 D180L4
67	3150	22.00	60200	2.5	BRF 137 D180L4
77	2730	19.04	60500	2.9	
87	2410	16.80	60700	3.3	BR 137 D180L4
101	2080	14.51	60900	3.8	BRF 137 D180L4
114	1840	12.83	61000	4.3	
42	5060	35.26	7280	0.85	BR 107 D180L4
50	4230	29.49	20400	1.00	BRF 107 D180L4
59	3570	24.90	20000	1.20	BR 107 D180L4
65	3240	22.62	19700	1.35	BRF 107 D180L4
73	2880	20.07	19300	1.50	
80	2610	18.21	19000	1.65	
94	2240	15.65	18500	1.90	
107	1960	13.66	18000	2.2	
126	1660	11.59	17300	2.6	BR 107 D180L4
145	1450	10.13	16800	3.0	BRF 107 D180L4
171	1230	8.56	16100	3.5	
186	1130	7.86	16100	2.6	
220	960	6.66	15400	3.1	
252	840	5.82	14800	3.6	
73	2890	20.14	14000	0.90	
80	2620	18.24	13900	0.95	BR 97 D180L4
91	2320	16.17	13700	1.05	BRF 97 D180L4
100	2100	14.62	13600	1.10	
118	1780	12.39	13200	1.25	
135	1550	10.83	13000	1.35	
158	1330	9.29	13100	1.50	
175	1200	8.39	12800	1.70	BR 97 D180L4
206	1020	7.12	12300	1.95	BRF 97 D180L4
236	890	6.21	11900	2.1	
282	745	5.20	11400	2.4	
326	645	4.50	10900	2.5	
148	1420	9.90	9640	0.85	
160	1310	9.14	10100	0.90	
178	1180	8.22	9960	1.00	BR 87 D180L4
205	1020	7.13	9700	1.05	BRF 87 D180L4
229	920	6.39	9490	1.10	
276	760	5.30	9110	1.20	
349	600	4.20	7330	1.40	
384	545	3.81	7230	1.50	BRX 107 D180L4
433	485	3.38	7090	1.70	BRXF 107 D180L4
477	440	3.07	6960	1.90	
555	380	2.64	6760	2.2	
636	330	2.30	6560	2.5	
750	280	1.95	6320	2.7	BRX 107 D180L4
858	245	1.71	6120	2.9	BRXF 107 D180L4
1015	205	1.44	5870	3.1	
402	520	3.64	5720	1.15	
444	475	3.30	5620	1.25	
501	420	2.92	5560	1.40	
554	380	2.64	5460	1.55	BRX 97 D180L4
654	320	2.24	5300	1.85	BRXF 97 D180L4
749	280	1.96	5160	2.0	
895	235	1.64	4960	2.2	
1035	205	1.42	4790	2.2	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
22kW					
531	395	2.76	1270	1.00	
590	355	2.48	1710	1.15	
680	310	2.15	2160	1.25	BRX 87 D180L4
760	275	1.93	2450	1.30	BRXF 87 D180L4
916	230	1.60	2750	1.35	
1055	200	1.39	3030	1.45	
30kW					
14	20900	107.49	120000	0.85	
16	18200	93.19	120000	1.00	BR 167 D200L4
18	16200	82.91	120000	1.10	BRF 167 D200L4
20	14400	73.70	120000	1.25	
22	13100	67.40	120000	1.35	
25	11400	58.65	120000	1.55	
28	10100	51.76	120000	1.80	BR 167 D200L4
33	8740	44.87	120000	2.1	BRF 167 D200L4
37	7780	39.92	120000	2.3	
43	6710	34.41	120000	2.7	
53	5450	27.96	120000	3.3	
62	4620	23.71	120000	3.9	
18	16300	83.47	32400	0.80	
20	14000	72.09	60400	0.95	BR 147 D200L4
22	13100	66.99	62500	1.00	BRF 147 D200L4
24	11900	61.09	64700	1.10	
28	10300	52.87	67300	1.25	
32	9090	46.65	69000	1.45	
36	7850	40.29	70500	1.65	BR 147 D200L4
41	6950	35.64	71400	1.85	BRF 147 D200L4
49	5840	29.95	72300	2.2	
61	4710	24.19	73100	2.5	
72	3980	20.44	73600	3.0	BR 147 D200L4
82	3510	18.04	73800	3.0	BRF 147 D200L4
94	3050	15.64	74000	4.3	
29	9910	50.86	35800	0.80	
33	8650	44.39	51200	0.90	BR 137 D200L4
39	7340	37.65	54700	1.10	BRF 137 D200L4
45	6410	32.91	56400	1.25	
53	5420	27.83	57900	1.40	
61	4700	24.12	58800	1.70	
67	4290	22.00	59200	1.85	BR 137 D200L4
77	3710	19.04	59800	2.2	BRF 137 D200L4
88	3270	16.80	60100	2.4	
101	2830	14.51	59500	2.8	
115	2500	12.83	58400	3.2	BR 137 D200L4
136	2100	10.79	56600	3.8	BRF 137 D200L4
194	1480	7.59	53300	3.5	
230	1240	6.38	51300	4.1	
73	3910	20.07	17600	1.10	
81	3550	18.21	17400	1.20	
94	3050	15.65	17100	1.40	
108	2660	13.66	16800	1.60	
127	2260	11.59	16300	1.90	BR 107 D200L4
145	1970	10.13	15900	2.2	BRF 107 D200L4
172	1670	8.56	15400	2.6	
187	1530	7.86	15500	1.95	
221	1300	6.66	14900	2.3	
252	1140	5.82	14400	2.6	
299	960	4.92	13700	3.0	
101	2850	14.62	12000	0.80	
119	2420	12.39	11900	0.90	BR 97 D200L4
136	2110	10.83	11800	1.00	BRF 97 D200L4
158	1810	9.29	12300	1.10	
175	1640	8.39	12100	1.25	
207	1390	7.12	11700	1.45	
237	1210	6.21	11400	1.55	BR 97 D200L4
283	1010	5.20	10900	1.75	BRF 97 D200L4
327	880	4.50	10500	1.85	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
30kW					
434	660	3.38	6370	1.25	
479	600	3.07	6310	1.40	
557	515	2.64	6180	1.60	BRX 107 D200L4
638	450	2.30	6050	1.85	BRXF 107 D200L4
752	380	1.95	5870	2.0	
860	335	1.71	5720	2.1	
1020	280	1.44	5520	2.3	
503	570	2.92	3120	1.05	
556	515	2.64	3560	1.15	
656	435	2.24	4050	1.35	BRX 97 D200L4
751	380	1.96	4450	1.50	BRXF 97 D200L4
898	320	1.64	4580	1.60	
1040	275	1.42	4450	1.65	
37kW					
16	22400	93.19	120000	0.80	
18	19900	82.91	120000	0.90	
20	17700	73.70	120000	1.00	
22	16200	67.40	120000	1.10	
25	14100	58.65	120000	1.30	BR 167 D225S4
28	12400	51.76	120000	1.45	BRF 167 D225S4
33	10800	44.87	120000	1.65	
37	9600	39.92	120000	1.90	
43	8270	34.41	120000	2.2	
53	6720	27.96	120000	2.7	
48	7380	30.71	120000	1.35	
60	5900	24.57	120000	2.4	BR 167 D225S4
67	5250	21.85	120000	2.5	BRF 167 D225S4
77	4580	19.03	120000	3.5	
87	4080	16.98	120000	3.7	
22	16100	66.99	35000	0.80	BR 147 D225S4
24	14700	61.09	54200	0.90	BRF 147 D225S4
28	12700	52.87	63200	1.00	
32	11200	46.65	65900	1.15	
36	9680	40.29	68200	1.35	BR 147 D225S4
41	8570	35.64	69700	1.50	BRF 147 D225S4
49	7200	29.95	71100	1.80	
61	5810	24.19	72400	2.0	
72	4910	20.44	73000	2.4	BR 147 D225S4
82	4340	18.04	73400	2.4	BRF 147 D225S4
94	3760	15.64	73700	3.5	
106	3340	13.91	73900	3.8	BR 147 D225S4 BRF 147 D225S4
39	9050	37.65	49400	0.90	BR 137 D225S4
45	7910	32.91	53600	1.00	BRF 137 D225S4
53	6690	27.83	55900	1.15	
61	5800	24.12	57300	1.40	
67	5290	22.00	58000	1.50	BR 137 D225S4
77	4580	19.04	57800	1.75	BRF 137 D225S4
88	4040	16.80	57300	2.0	
101	3490	14.51	56600	2.3	
115	3080	12.83	55800	2.6	
136	2590	10.79	54400	3.1	BR 137 D225S4
169	2090	8.71	52600	3.7	BRF 137 D225S4
194	1820	7.59	51900	2.8	
230	1530	6.38	50100	3.3	
285	1240	5.15	47800	3.7	
73	4820	20.07	16100	0.90	
81	4380	18.21	16100	1.00	
94	3760	15.65	15900	1.15	
108	3280	13.66	15700	1.30	
127	2790	11.59	15400	1.55	
145	2430	10.13	15100	1.75	BR 107 D225S4
172	2060	8.56	14700	2.1	BRF 107 D225S4
187	1890	7.86	15000	1.55	
221	1600	6.66	14400	1.85	
252	1400	5.82	14000	2.1	
299	1180	4.92	13400	2.5	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
37kW					
434	810	3.38	4470	1.00	
479	740	3.07	4950	1.10	
557	635	2.64	5530	1.30	**BRX 107 D225S4**
638	555	2.30	5610	1.50	**BRXF 107 D225S4**
752	470	1.95	5490	1.65	
860	410	1.71	5370	1.70	
1020	345	1.44	5220	1.85	
45kW					
20	21500	73.77	120000	0.85	
22	19700	67.40	120000	0.90	**BR 167 D225M4**
25	17100	58.65	120000	1.05	**BRF 167 D225M4**
28	15100	51.76	120000	1.20	
33	13100	44.87	120000	1.35	
37	11700	39.92	120000	1.55	**BR 167 D225M4**
43	10100	34.41	120000	1.80	**BRF 167 D225M4**
53	8170	27.96	120000	2.2	
62	6930	23.71	120000	2.6	
48	8980	30.71	120000	1.10	
60	7180	24.57	120000	1.95	**BR 167 D225M4**
67	6390	21.85	120000	2.0	**BRF 167 D225M4**
77	5560	19.03	120000	2.9	
87	4960	16.98	120000	3.0	
28	15500	52.87	44400	0.85	
32	13600	46.65	61300	0.95	
36	11800	40.29	65000	1.10	**BR 147 D225M4**
41	10400	35.64	67200	1.25	**BRF 147 D225M4**
49	8760	29.95	69400	1.50	
61	7070	24.19	71300	1.70	
72	5970	20.44	72200	2.0	
82	5270	18.04	72800	2.0	
94	4570	15.64	73200	2.8	**BR 147 D225M4**
106	4070	13.91	73500	3.1	**BRF 147 D225M4**
123	3510	11.99	73800	3.7	
203	2120	7.25	74300	4.1	
45	9620	32.91	41700	0.85	**BR 137 D225M4**
53	8130	27.83	51200	0.95	**BRF 137 D225M4**
61	7050	24.12	52400	1.15	
67	6430	22.00	52900	1.25	**BR 137 D225M4**
77	5570	19.04	53300	1.45	**BRF 137 D225M4**
88	4910	16.80	53400	1.65	
101	4240	14.51	53200	1.90	
115	3750	12.83	52800	2.1	
136	3150	10.79	51900	2.5	**BR 137 D225M4**
169	2550	8.71	50500	3.1	**BRF 137 D225M4**
194	2220	7.59	50200	2.3	
230	1860	6.38	48700	2.7	
285	1510	5.15	46700	3.0	
94	4580	15.65	14600	0.95	
108	3990	13.66	14600	1.10	
127	3390	11.59	14400	1.25	
145	2960	10.13	14300	1.45	**BR 107 D225M4**
172	2500	8.56	14000	1.70	**BRF 107 D225M4**
187	2300	7.86	14400	1.30	
221	1950	6.66	14000	1.50	
252	1700	5.82	13600	1.75	
299	1440	4.92	13100	2.0	
434	990	3.38	1360	0.85	
479	900	3.07	2080	0.90	
557	770	2.64	2970	1.10	
638	675	2.30	3640	1.25	**BRX 107 D225M4**
752	570	1.95	4200	1.35	**BRFX 107 D225M4**
860	500	1.71	4540	1.40	
1020	420	1.44	4880	1.55	

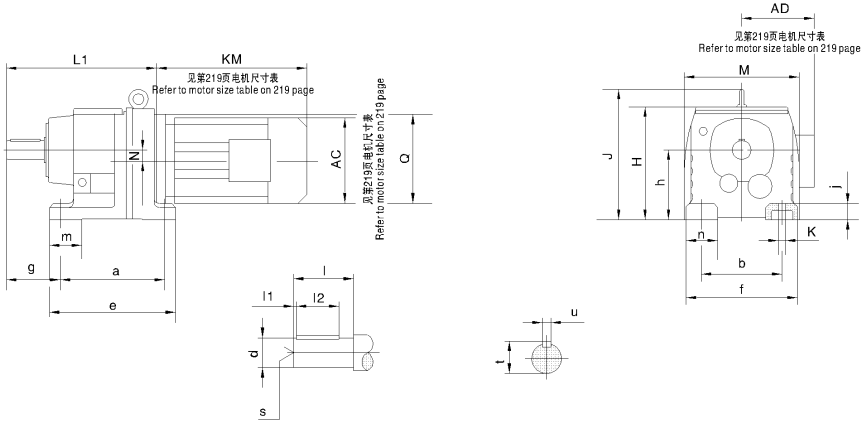
输出转速 Output speed n_a [1/min]	输出转矩 Output torque M_a [N · m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra}[1] [N]	使用系数 Service factor f_s	型号 Model
55kW					
25	20900	58.65	120000	0.85	
29	18400	51.76	120000	1.00	
33	16000	44.87	120000	1.15	
37	14200	39.92	120000	1.25	**BR 167 D250M4**
43	12300	34.41	120000	1.45	**BRF 167 D250M4**
53	9960	27.96	120000	1.80	
62	8440	23.71	120000	2.1	
60	8750	24.57	120000	1.60	
68	7780	21.85	120000	1.65	**BR 167 D250M4**
77	6780	19.03	120000	2.4	**BRF 167 D250M4**
87	6050	16.98	120000	2.5	
102	5150	14.48	120000	3.5	**BR 167 D250M4**
123	4270	11.99	120000	4.0	**BRF 167 D250M4**
32	16600	46.65	26600	0.80	
37	14300	40.29	58200	0.90	
41	12700	35.64	63300	1.00	**BR 147 D250M4**
49	10700	29.95	66800	1.20	**BRF 147 D250M4**
61	8610	24.19	69600	1.40	
72	7280	20.44	71100	1.65	
82	6420	18.04	71900	1.65	**BR 147 D250M4**
94	5570	15.64	72500	2.3	**BRF 147 D250M4**
106	4950	13.91	73000	2.5	
123	4270	11.99	73400	3.0	
151	3470	9.74	73800	3.8	**BR 147 D250M4**
203	2580	7.25	74200	3.4	**BRF 147 D250M4**
250	2100	5.89	72500	4.1	
77	6780	19.04	47800	1.20	**BR 137 D250M4**
88	5980	16.80	48500	1.35	**BRF 137 D250M4**
102	5170	14.51	48900	1.55	
115	4570	12.83	49000	1.75	
137	3840	10.79	48800	2.1	
169	3100	8.71	48000	2.5	**BR 137 D250M4**
194	2700	7.59	48100	1.90	**BRF 137 D250M4**
231	2270	6.38	46900	2.2	
286	1830	5.15	45200	2.5	
75kW					
33	21700	44.87	120000	0.85	
37	19300	39.92	120000	0.95	**BR 167 D280S4**
43	16700	34.41	120000	1.10	**BRF 167 D280S4**
53	13500	27.96	120000	1.35	
62	11500	23.71	120000	1.55	
60	11900	24.57	120000	1.20	
68	10600	21.85	120000	1.25	**BR 167 D280S4**
78	9210	19.03	120000	1.75	**BRF 167 D280S4**
87	8220	16.98	120000	1.85	
102	7000	14.48	120000	2.6	**BR 167 D280S4**
123	5800	11.99	116600	2.9	**BRF 167 D280S4**
145	4950	10.24	112800	3.4	
49	14500	29.95	56500	0.90	**BR 147 D280S4**
61	11700	24.19	65100	1.00	**BRF 147 D280S4**
72	9890	20.44	67900	1.20	
82	8730	18.04	69500	1.20	**BR 147 D280S4**
95	7570	15.64	70800	1.70	**BRF 147 D280S4**
106	6730	13.91	71600	1.85	
123	5800	11.99	72400	2.2	
152	4710	9.74	73100	2.8	
179	4000	8.26	73500	3.2	**BR 147 D280S4**
204	3510	7.25	73100	2.5	**BRF 147 D280S4**
251	2850	5.89	70100	3.0	
296	2420	5.00	67600	3.6	
90kW					
37	23200	39.92	120000	0.80	
43	20000	34.41	120000	0.90	**BR 167 D280M4**
53	16200	27.96	120000	1.10	**BRF 167 D280M4**
62	13800	23.71	120000	1.30	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
90kW					
60	14300	24.57	120000	1.00	
68	12700	21.85	120000	1.00	**BR 167 D280M4**
78	11100	19.03	120000	1.45	**BRF 167 D280M4**
87	9860	16.98	120000	1.50	
102	8410	14.48	117300	2.1	**BR 167 D280M4**
123	6960	11.99	113500	2.4	**BRF 167 D280M4**
145	5940	10.24	110100	2.9	
72	11900	20.44	64800	1.00	
82	10500	18.04	67100	1.00	**BR 147 D280M4**
95	9080	15.64	69000	1.45	**BRF 147 D280M4**
106	8080	13.91	70200	1.55	
123	6960	11.99	71400	1.85	
152	5660	9.74	72500	2.3	
179	4800	8.26	73000	2.7	**BR 147 D280M4**
204	4210	7.25	70900	2.1	**BRF 147 D280M4**
251	3420	5.89	68300	2.5	
296	2900	5.00	66100	3.0	

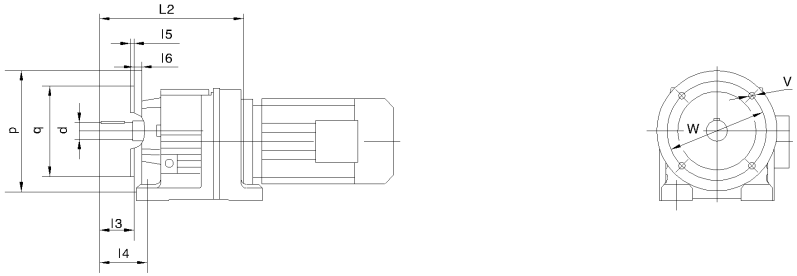
输出转速 Output speed n_a [1/min]	输出转矩 Output torque M_a [N · m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra}[1] [N]	使用系数 Service factor f_s	型号 Model
110kW					
53	19800	27.96	117100	0.90	**BR 167 D315S4**
63	16800	23.71	116900	1.05	**BRF 167 D315S4**
78	13500	19.03	115500	1.20	
87	12000	16.98	114300	1.25	**BR 167 D315S4**
103	10200	14.48	112200	1.75	**BRF 167 D315S4**
124	8480	11.99	109300	2.0	
145	7240	10.24	106500	2.3	
132kW					
63	20100	23.71	107900	0.90	**BR 167 D315M4**
					BRF 167 D315M4
78	16200	19.03	108300	1.00	
87	14400	16.98	107800	1.05	**BR 167 D315M4**
103	12300	14.48	106700	1.45	**BRF 167 D315M4**
124	10200	11.99	104700	1.65	
145	8690	10.24	102600	1.95	
160kW					
103	14900	14.48	99700	1.20	**BR 167 D315M4a**
124	12300	11.99	98900	1.40	**BRF 167 D315M4a**
145	10500	10.24	97600	1.60	

5.5 外形尺寸表
5.5 Features size table

BR17..~BR167..



BR17F..~BR87F..

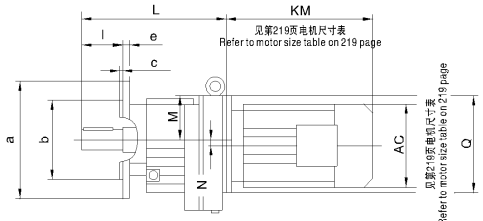


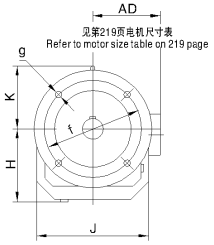
型号 size	a b	e f	g	h	j	k	m n	轴伸尺寸 Shaft dimension				
								d	l	l1 l2	S	t u
BR17.. BR17F..	110 110	131 135	58	75 $_{-0.5}$	12	9	28 25	20k6	40	4 32	M6	22.5 6
BR27.. BR27F..	130 110	152 145	75	90 $_{-0.5}$	18	9	27 32	25k6	50	3.5 40	m10	28 8
BR37.. BR37F..	130 110	160 145	75	90 $_{-0.5}$	18	9	40 35	25k6	50	3.5 40	m10	28 8
BR47.. BR47F..	165 135	195 170	90	115 $_{-0.5}$	24	13.5	50 42	30k6	60	3.5 50	m10	33 8
BR57.. BR57F..	165 135	200 190	100	115 $_{-0.5}$	24	13.5	60 55	35k6	70	7 56	m12	38 10
BR67.. BR67F..	195 150	235 210	100	130 $_{-0.5}$	30	14	60 60	35k6	70	7 56	m12	38 10
BR77.. BR77F..	205 170	245 230	115	140 $_{-0.5}$	30	17.5	60 60	40k6	80	5 70	m16	43 12
BR87.. BR87F..	260 215	310 290	140	180 $_{-0.5}$	45	17.5	90 75	50k6	100	10 80	m16	53.5 14

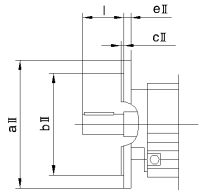
型号 size	法兰尺寸 Flange dimension					H	J	L1	L2	M	N	Q
	P q	l3	l4	l5 i6	V w							
BR17.. BR17F..	120 80j6	40	66	3 8	6.5 100	134	/	207	215	140	0	/
BR27.. BR27F..	120 80j6	50	81	3 8	6.5 100	147	/	193	199	151	3.4	120
BR37.. BR37F..	120 80j6	50	81	3 8	6.6 100	151	/	201	207	161	10.1	120
BR47.. BR47F..	140 95j6	60	90	3 10	9 115	187	/	235	235	178	14	160
BR57.. BR57F..	160 110j6	70	100	3.5 10	9 130	187	/	257	257	202	11.2	160
BR67.. BR67F..	200 130j6	70	100	3.5 12	11 165	212	243	280	280	215	20.7	160
BR77.. BR77F..	250 180j6	80	115	4 15	13.5 215	228	269	300	300	235	15.9	200
BR87.. BR87F..	300 230j6	100	140	4 16	13.5 26.5	295	345	372	372	297	12.6	250

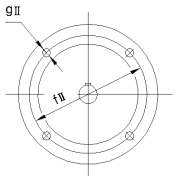
型号 size	a b	e f	g	h	j	k	m n	轴伸尺寸 Shaft dimension					H	J	L M	N	Q
								d	l	l1 l2	S	t u					
BR97..	310 250	365 340	160	225 $_{-0.5}$	55	22	100 90	60m6	120	5 110	M20	64 18	368	418	440 348	10.2	300
BR107..	370 290	440 400	185	250 $_{-0.5}$	65	26	125 110	70m6	140	7.5 125	M20	74.5 20	408	475	495 409	20.4	350
BR137..	410 340	490 450	220	315 $_{-1}$	70	33	130 110	90m6	170	5 160	M24	95 25	495	562	589 458	25.1	400
BR147..	500 380	590 530	260	355 $_{-1}$	80	39	150 150	110m6	210	15 180	M24	116 28	565	637	695 540	33.4	450
BR167..	580 500	670 660	270	425 $_{-1}$	100	39	160 160	120m6	210	5 200	M24	127 32	675	749	790 670	59.9	550

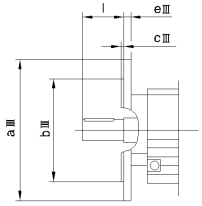
BRF17..~BRF167..

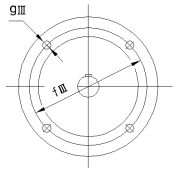


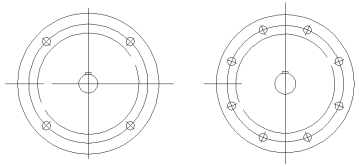






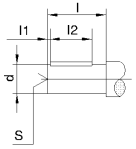






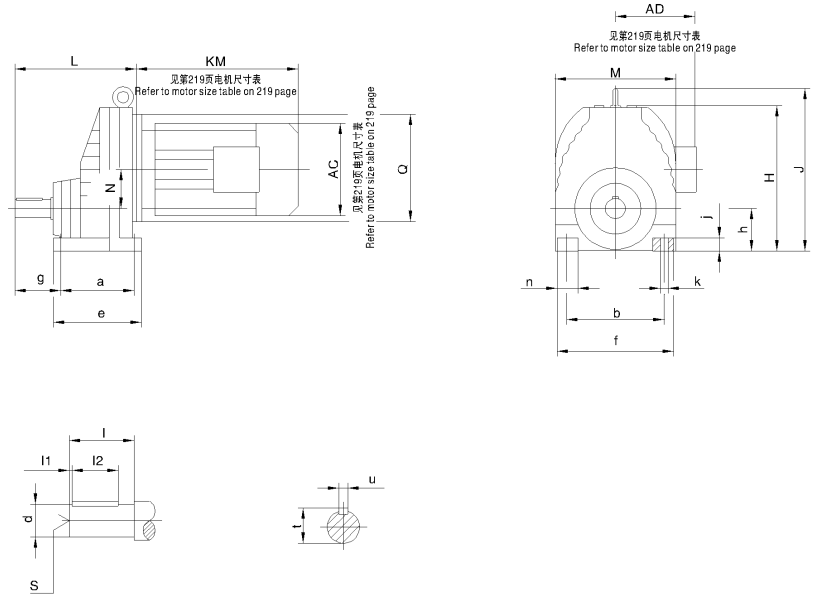
Flg.1 Flg.2

法兰型式
Flange form



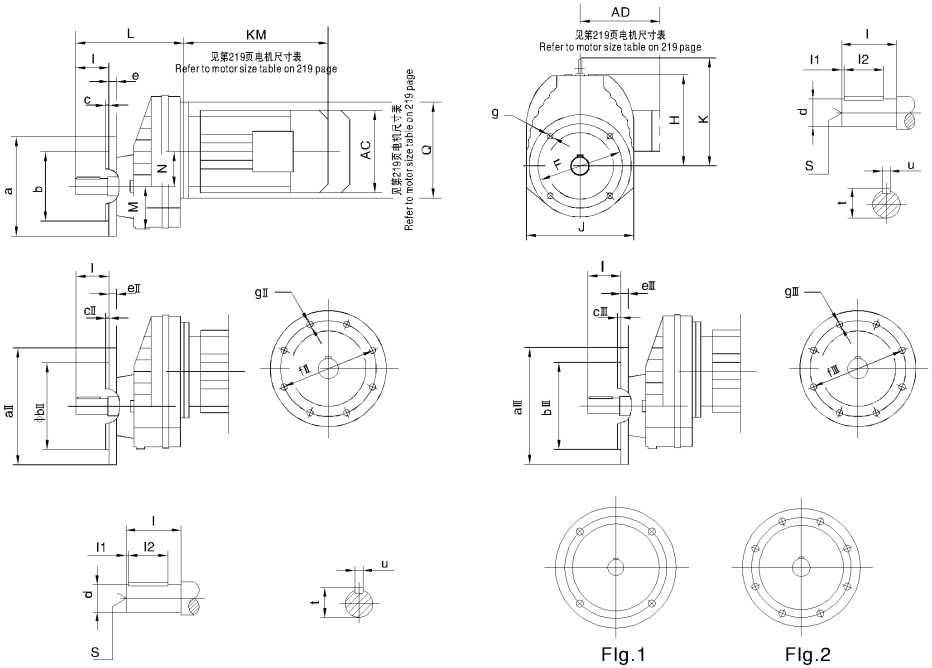
型号 size	法兰尺寸 Flange dimension	a aⅡ aⅢ	b bⅡ bⅢ	c cⅡ cⅢ	e eⅡ eⅢ	f fⅡ fⅢ	g gⅡ gⅢ	H J K	L M N	Q	轴伸尺寸 Shaftdimension				
											d	l	l1 l2	S	t u
BRF17..	Flg.1	120 140 /	80j6 95j6 /	3 3 /	8 9 /	100 115 /	6.5 8.5 /	76 130 /	215 59 0	/	20k6	40	4 32	M6	22.5 6
BRF27..	Flg.1	120 140 160	80j6 95j6 110j6	3 3 3.5	8 9 10	100 115 130	6.5 8.5 8.5	92 142 /	199 57 3.4	120	25k6	50	3.5 40	m10	28 8
BRF37..	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
BRF47..	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
BRF57..	Flg.1	160 200 250	110j6 130j6 180j6	3.5 3.5 4	10 12 15	130 165 215	9 11 13.5	121 202 /	257 72 11.2	160	35k6	70	7 56	m12	38 10
BRF67..	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
BRF77..	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
BRF87..	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
BRF97..	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
BRF107..	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
BRF137..	Flg.2	450 550 /	350h6 450h6 /	5 5 /	22 25 /	400 500 /	17.5 17.5 /	320 458 247	589 180 25.1	400	90m6	170	5 160	m24	95 25
BRF147..	Flg.2	450 550 /	350h6 450h6 /	5 5 /	22 25 /	400 500 /	17.5 17.5 /	361 540 285	695 210 33.4	450	110m6	210	15 180	m24	116 28
BRF167..	Flg.2	550 660 /	450h6 550h6 /	5 6 /	25 28 /	500 600 /	17.5 22 /	430 670 324	790 250 59.9	550	120m6	210	5 200	m24	127 32

BRX57..BRX107..



型号 size	a b	e f	g	h	j	k	n	轴伸尺寸 Shaftdimension					H	J	L M	N	Q
								d	l	l1 l2	S	t u					
BRX57..	110 125	137 156	56	63–0.5	18	11	31	20k6	40	3.5 32	M6	22.5 6	202	/	174 162	52	160
BRX67..	120 135	150 170	75	80–0.5	20	13.5	35	25k6	50	3.5 40	M10	28 8	226	/	201 176	60	160
BRX77..	150 170	190 204	85	90–0.5	25	17.5	50	30k6	60	3.5 50	M10	33 8	271	311	227 210	72	200
BRX87..	160 215	206 266	110	100–0.5	30	17.5	60	40k6	80	5 70	M16	43 12	332	372	269 272	93.5	250
BRX97..	185 250	240 320	140	112–0.5	35	22	70	50k6	100	10 80	M16	53.5 14	393	440	316 328	116	300
BRX107..	210 310	260 360	152	140–0.5	45	22	80	60m6	120	5 110	M20	64 18	459	506	364 370	130	350

BRXF57..BRXF107..

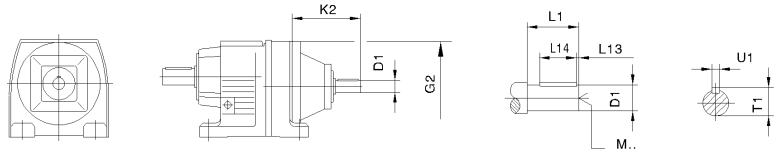


Flg.1 Flg.2

法兰型式
Flange form

型号 size	法兰尺寸 Flange dimension	a aⅡ aⅢ	b bⅡ bⅢ	c cⅡ cⅢ	e eⅡ eⅢ	f fⅡ fⅢ	g gⅡ gⅢ	H J K	L M N	Q	轴伸尺寸 Shaft dimension				
											d	l	l1 l2	S	t u
BRF57..	Flg.1	140 160 200	95j6 110j6 130j6	3 3.5 3.5	10 10 12	115 130 165	9 9 11	139 162 /	174 62 52	160	20k6	40	5 32	M6	22.5 6
BRF67..	Flg.1	160 200 250	110j6 130j6 180j6	3.5 3.5 4	10 12 15	130 165 215	9 11 13.5	147 175 /	201 70 60	160	25k6	50	3.5 40	M10	28 8
BRF77..	Flg.1	200 250 /	130j6 180j6 /	3.5 4 /	12 15 /	165 215 /	11 13.5 /	181 210 221	227 78 72	200	30k6	60	3.5	50	33 8
BRF87..	Flg.1	250 300 /	180j6 230j6 /	4 4 /	15 16 /	215 265 /	13.5 13.5 /	232 272 272	269 98 93.5	250	40k6	80	5 70	M16	43 12
BRF97..	Flg.1	300 350 /	230j6 250h6 /	4 5 /	16 18 /	265 300 /	13.5 17.5 /	281 328 328	316 118 116	300	50k6	100	10 80	M16	53.5 14
BRF107..	Flg.1 Flg.2 /	350 450 /	250h6 350h6 /	5 5 /	18 22 /	300 400 /	17.5 17.5 /	319 370 366	364 135 130	350	60m6	120	5 110	M20	64 18

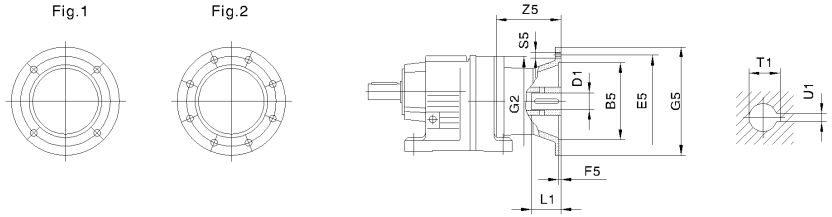
BR..AD..



减速机型号 Gear unit size	联接盘规格 Motor adcopator	G2	K2	D1	L1	L13	L14	T1	U1	M
BR..27 BR..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
BR..47 BR..57 BR..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
BR..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
BR..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
BR..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
BR..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
BR..137	AD4	400	201	38	80	5	70	41	10	M12
	AD5		274	42	110	10	70	45	12	M16
	AD6		314	48	110	10	80	51.5	14	M16
	AD7		308	55	110	10	90	59	16	M20
BR..147	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
	AD7		300	55	110	10	90	59	16	M20
	AD8		383	70	140	15	110	74.5	20	M20
BR..167	AD5	550	258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

BR..AM..

Fig.1 Fig.2



减速机型号 Gear unit size	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BR..27 BR..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
BR..47 BR..57 BR..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)]												
BR..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	5		300		179	38	80	41.3	10
	AM132ML[1)]												
BR..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												
	AM160[1)]		250	300	6		350	M16	232	42	110	45.3	12
	AM180[1)]									48		51.8	14
BR..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
	AM200		300	350	7		400		268	55		59.3	16
	AM225[1)]	2	350	400			450		283	60	140	64.4	18

1) 如果安装在BR系列底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 BR foot – mounted gear unit, please check.

BR..AM..

Fig.1

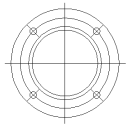
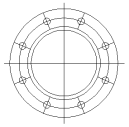
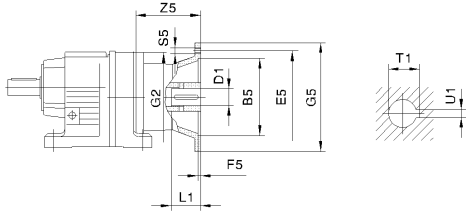


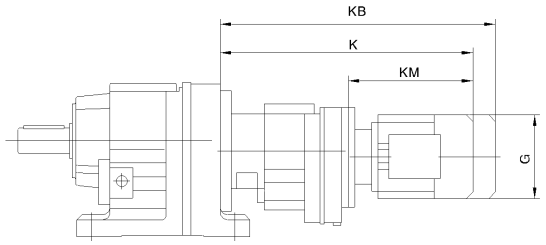
Fig.2





减速机型号 Gear unit size	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BR..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	M16	221	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		262	55		59.3	16
	AM225	2	350	400			450		277	60	140	64.4	18
BR..137	AM132S	1	230	265	5	400	300	M12	156	38	80	41.3	10
	AM132M												
	AM132ML		250	300	6		350	M16	214	42	110	45.3	12
	AM160												
	AM180									48		51.8	14
	AM200		300	350	7		400		255	55		59.3	16
	AM225	2	350	400			450		270	60	140	64.4	18
BR..147	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350	M16	206	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		247	55		59.3	16
	AM225	2	350	400			450		262	60	140	64.4	18
	AM250		450	500			550		336	65		69.4	
	AM280									75		79.9	20
BR..167	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		239	55		59.3	16
	AM225	2	350	400			450		254	60	140	64.4	18
	AM250		450	500			550		328	65		69.4	
	AM280									75		79.9	20

BR..R..



减速机型号 Gear unit size	电机规格 Motor type	G	K	KB	KM
BR..27R17 BR..37R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BR..47R37 BR..57R37 BR..67R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
BR..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
BR..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	155	495	559	279
	D90..	210	495	580	279
BR..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	249
BR..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	502
BR..137R77	D63..	155	463	520	223
	D71D	155	463	527	223
	D80..	155	513	577	273
	D90..	210	511	596	271
	D100M	210	561	646	321
	D100L	210	581	666	341
	D112M	240	595	675	355
	D132S	240	640	720	400
	D132M	285	692	804	452
	132ML	285	712	824	472
	D160M	330	742	854	502

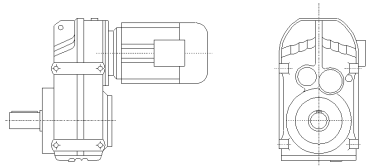
减速机型号 Gear unit size	电机规格 Motor type	G	K	KB	KM
BR..147R77	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
	D90..	210	503	588	271
	D100M	210	553	638	321
	D100L	210	573	658	341
	D112M	240	587	667	355
	D132S	240	632	712	400
	D132M	285	684	796	452
	D132ML	285	704	816	472
	D160M	330	734	846	502
BR..147R87	D90..	210	547	632	267
	D100M	210	597	682	317
	D100L	210	617	702	337
	D112M	240	630	710	350
	D132S	240	675	755	395
	D132M	285	727	839	447
	D132ML	285	747	859	467
	D160M	330	777	889	497
	D160L	330	824	980	544
	D180..	380	896	1052	616
BR..167R97	D80..	155	586	650	261
	D90..	210	586	671	261
	D100M	210	636	721	311
	D100L	210	656	741	331
	D112M	240	670	750	345
	D132S	240	715	795	390
	D132M	285	767	879	442
	D132ML	285	787	899	462
	D160M	330	817	929	492
	D160L	330	864	1020	539
	D180..	380	936	1092	611
BR..167R107	D100M	210	687	772	305
	D100L	210	707	792	325
	D112M	240	721	801	339
	D132S	240	766	846	384
	D132M	285	818	930	436
	D132ML	285	838	950	456
	D160M	330	868	980	486
	D160L	330	915	1071	533
	D180..	380	988	1143	605
	D200..	420	1075	1231	693
	D225..	470	1107	1263	725

注: 上表中电机尺寸为参考尺寸，因空间限制对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 for reference. If you have special require, please consult us.

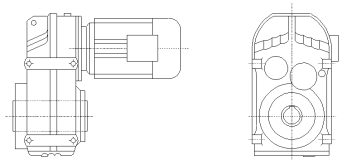
6. BF 平行轴–斜齿轮减速电机
BF Parallel shaft–helical geared motor

6.1 设计方案
6.1 Versions of geared motors

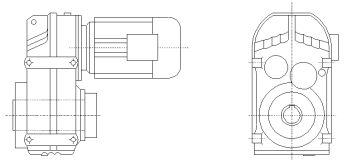
平行轴装式斜齿轮减速电机有以下设计方案：
The following types of parallel shaft–helical geared motor cab be supplied:



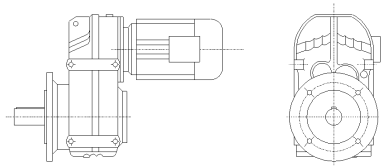
BF..D..
底脚安装平行轴–斜齿轮减速电机
Solid shaft
Rail mount with tapped holes



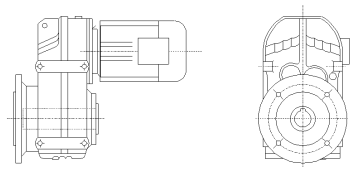
BFA..B D..
底脚空心轴安装平行轴–斜齿轮减速机
Hollow shaft with key
Rail mount with tapped holes
BFV..B D..
底脚花键空心轴安装平行轴–斜齿轮减速机
Aplined hollow shaft
Rail mount with tapped holes



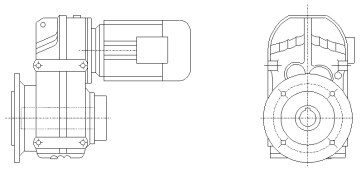
BFH..B D..
底脚空心轴锁紧盘安装平行轴–斜齿轮减速电机
Shrink disk hollow shaft
Rail mount with tapped holes



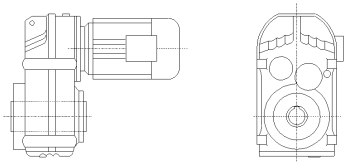
BFF..D..
B5 法兰安装平行轴–斜齿轮减速电机
Solid shaft
Flange mounted(D&B5 style flange with through holes)



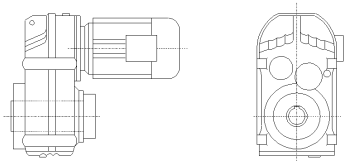
BFAF..D..
B5 法兰空心轴安装平行轴–斜齿轮减速电机
Hollow shaft with key
Flange mount(D&B5 style flange with through holes)
BFVF..D..
B5 法兰花键空心轴安装平行轴–斜齿轮减速电机
Hollow shaft with key
Flange mount(D&B5 style flange with through holes)



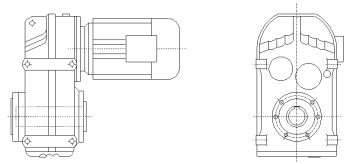
BFHF..D..
B5 法兰空心轴锁紧盘安装平行轴–斜齿轮减速电机
Shrink disk hollow shaft
Flange mount(D&B5 style flange with through holes)



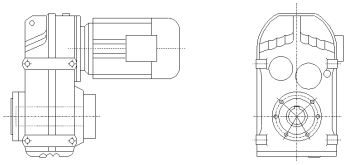
BFA..D..
空心轴安装平行轴–斜齿轮减速机
Hollow shaft with key
Shaft mount
BFV..D..
花键空心轴安装平行轴–斜齿轮减速机
Splined hollow shaft
Shaft mount



BFH..D..
空心轴锁紧盘安装平行轴–斜齿轮减速电机
Shrink disk hollow shaft
Shaft mount



BFAZ..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(D&B14 style flange with tapped holes)
BFVZ..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(D&B14 style flange with tapped holes)



BFHZ..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(D&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.

减速机型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
BF/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			
BF/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			
BF/FF/FA/FAF47	2	6.34–8.96 13.93–30.86	4.99–30.86	4.99–30.86	4.99–25.72			
BF/FF/FA/FAF47	3	28.88–190.76	28.88–150.06	28.88–130.07	28.88–56.49 68.09–105.09			
BF/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		
BF/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		
BF/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
BF/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
BF/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
BF/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
BF/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
BF/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
BF/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
BF/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
BF/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
BF/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
BF/FF/FA/FAF127	2							7.88–8.86 14.55–26.86
BF/FF/FA/FAF127	3							37.28–170.83

续表 Continued

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180	D200
BF/FF/FA/FAF77	2	4.28–19.70	4.28–19.70			
BF/FF/FA/FAF77	3	25.54–43.58	25.54–43.58			
BF/FF/FA/FAF87	2	4.12–26.50	4.12–26.50	4.12–26.50	4.12–21.32	
BF/FF/FA/FAF87	3	29.20–123.29	29.20–123.29	29.20–123.29	29.20–50.36	
BF/FF/FA/FAF97	2	4.57–33.91	4.57–33.91	4.57–33.91	4.57–27.44	4.57–22.11
BF/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	32.50–58.06 75.63 86.59 102.16–112.99
BF/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	6.22–27.57
BF/FF/FA/FAF107	3	31.80–199.31	31.80–199.31	31.80–199.31	31.80–161.28	31.80–74.52 88.49 101.38–129.97
BF/FF/FA/FAF127	2	6.80–8.86 12.54–26.86	6.80–8.86 12.54–26.86	6.80–8.86 12.54–26.86	5.52–26.86	4.68–26.86
BF/FF/FA/FAF127	3	31.33–170.83	31.33–170.83	31.33–170.83	25.30–153.67	25.30–125.37
BF/FF/FA/FAF157	2		16.85–53.55	16.85–53.55	13.96–43.94	11.92–35.75
BF/FF/FA/FAF157	3		40.06–267.43	40.06–267.43	32.55–217.62	27.60–178.20

减速机型号 Gear unit size	级 Stages	D225	D250M	D280	D315	D315M–A/B
BF/FF/FA/FAF107	2	6.22–27.57				
BF/FF/FA/FAF107	3	31.80–74.52 88.49 101.38–129.97				
BF/FF/FA/FAF127	2	4.68–26.86	4.68–21.38	4.68–21.38		
BF/FF/FA/FAF127	3	25.30–125.37	25.30–55.31 75.41–98.95	25.30–55.31 75.41–98.95		
BF/FF/FA/FAF157	2	11.92–35.75	11.92–28.60	11.92–28.60	11.92–22.16	11.92–16.85
BF/FF/FA/FAF157	3	27.60–178.20	27.60–68.28 96.53–141.80	27.60–68.28 96.53–141.80	27.60–52.24 96.53–108.49	27.60–40.06

6.3 速比与最大扭矩
6.3 Ratio and Max.Torque

BF37–57 n_e=1400 1/min

BF37 200Nm

i	n_a [1/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	AD_1
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	AD_2
31.69	44	200	4290	
28.09	50	200	4060	
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	AD_2
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	

BF47 400Nm

i	n_a [1/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	
121.57	12	400	5920	AD_1
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	AD_2
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	AD_2
12.66	111	400	3740	
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	

BF57 600Nm

i	n_a [1/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	AD_2
72.98	19	600	8200	
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	AD_2
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	AD_3
10.64	132	600	4320	
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	

BF67–87 n_e=1400 1/min

BF67 820Nm

i	n_a [1/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	AD_2
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	AD_2
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	AD_3
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	

BF77 1500Nm

i	n_a [1/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	AD_2
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	AD_3
29.91	47	1500	15700	
25.54	55	1450	16100	
2–stage				
36.58	38	1110	17900	
31.51	44	1380	16500	AD_3
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	AD_4
10.93	128	1500	14200	
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	

BF87 3000Nm

i	n_a [1/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	
134.16	10	3000	19800	AD_2
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	AD_3
45.28	31	2820	16200	
39.30	36	2720	15400	
35.19	40	2610	14900	
29.20	48	2510	13800	
2–stage				
33.92	41	2610	14600	AD_4
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	AD_5
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	

BF97–127 n_e=1400 1/min

BF97 4300Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
276.77	5.1	4300	29900	AD_3
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	AD_4
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	AD_4
36.64	38	3070	25500	
33.91	41	4300	20300	AD_5
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	AD_6
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	

BF107 7840Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
254.40	5.5	7680	49800	AD_3
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	AD_4
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	AD_5
37.61	37	7680	39500	
31.80	44	7680	36500	
2–stage				
33.79	41	7400	38300	AD_6
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	

BF127 12000Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
3–stage				
170.83	8.2	12000	90000	AD_4
153.67	9.1	12000	90000	
125.37	11	12000	90000	
114.34	12	12000	88000	
98.95	14	12000	83000	
87.31	16	12000	78900	
75.41	19	12000	74300	
70.07	20	12000	72100	AD_5
63.91	22	12000	69400	
55.31	25	12000	65300	
48.80	29	12000	61800	
42.15	33	12000	57900	
37.28	38	12000	54800	AD_6
31.33	45	12000	50600	AD_7
25.30	55	12000	45700	
2–stage				
26.86	52	8500	55300	AD_6
24.57	57	8500	53300	
21.38	65	12000	42000	AD_8
18.87	74	11000	41900	
16.36	86	11000	39000	
14.55	96	11000	36200	
12.54	112	10000	36400	
10.19	137	9500	34000	
8.86	158	7000	36400	
7.88	178	6000	37000	
6.80	206	7000	32200	
5.52	254	6000	31700	
4.68	299	6000	29500	

Bf157, BF37/47R17 n_e=1400 1/min

BF157 18000Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
267.43	5.2	18000	100300	AD_5
217.62	6.4	18000	100300	
178.20	7.9	18000	100300	
162.96	8.6	18000	100300	
141.80	9.9	18000	100300	
125.14	11	18000	100300	
108.49	13	18000	100300	
96.53	15	18000	100300	
85.80	16	18000	95700	
78.46	18	18000	92300	
68.28	21	18000	87000	
60.25	23	18000	82500	
52.24	27	18000	77500	AD_6
46.48	30	18000	73600	AD_7
40.06	35	18000	68900	
32.55	43	18000	62500	
27.60	51	18000	57800	AD_8
2–stage				
53.55	26	8000	98300	AD_5
43.94	32	10000	87800	AD_6
35.75	39	11000	79300	
28.60	49	17000	60800	AD_8
25.43	55	15000	61500	
22.16	63	18000	51800	
19.77	71	17000	50900	
16.85	83	18000	44900	
13.96	100	17000	42500	
11.92	117	16000	40900	

BF37R17 200Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
8193	0.17	200	4290
7064	0.20	200	4290
6585	0.21	200	4290
5756	0.24	200	4290
4963	0.28	200	4290
4434	0.32	200	4290
3875	0.36	200	4290
3392	0.41	200	4290
2965	0.47	200	4290
2587	0.54	200	4290
2284	0.61	200	4290
1997	0.70	200	4290
1929	0.73	200	4290
1742	0.80	200	4290
1679	0.83	200	4290
1550	0.90	200	4290
1545	0.91	200	4290
1370	1.0	200	4290
1356	1.0	200	4290
1198	1.2	200	4290
1180	1.2	200	4290
1047	1.3	200	4290
1044	1.3	200	4290
915	1.5	200	4290
914	1.5	200	4290
808	1.7	200	4290
807	1.7	200	4290
707	2.0	200	4290
698	2.0	200	4290
617	2.3	200	4290
616	2.3	200	4290
544	2.6	200	4290
538	2.6	200	4290
477	2.9	200	4290
466	3.0	200	4290
412	3.4	200	4290
411	3.4	200	4290
365	3.8	200	4290
364	3.8	200	4290
326	4.3	200	4290
322	4.3	200	4290
285	4.9	200	4290
278	5.0	200	4290
250	5.6	200	4290
242	5.8	200	4290
221	6.3	200	4290
219	6.4	200	4290
195	7.2	200	4290
186	7.5	200	4290
168	8.3	200	4290
167	8.4	200	4290
147	9.5	200	4290
145	9.7	200	4290
129	11	200	4290
127	11	200	4290
121	12	200	4290
118	12	200	4290
108	13	200	4290
98	14	200	4290
91	15	200	4290
87	16	200	4290

BF47R17 400Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
12251	0.11	400	5920
10619	0.13	400	5920
9846	0.14	400	5920
8534	0.16	400	5920
7460	0.19	400	5920
6536	0.21	400	5920
5746	0.24	400	5920
5022	0.28	400	5920
4401	0.32	400	5920
3883	0.36	400	5920
3443	0.41	400	5920
2976	0.47	400	5920
2629	0.53	400	5920
2519	0.56	400	5920
2394	0.58	400	5920
2304	0.61	400	5920
2172	0.64	400	5920
2033	0.69	400	5920
2025	0.69	400	5920
1785	0.78	400	5920
1770	0.79	400	5920
1578	0.89	400	5920
1576	0.89	400	5920
1364	1.0	400	5920
1363	1.0	400	5920
1203	1.2	400	5920
1192	1.2	400	5920
1061	1.3	400	5920
1049	1.3	400	5920
931	1.5	400	5920
918	1.5	400	5920
822	1.7	400	5920
809	1.7	400	5920
706	2.0	400	5920
700	2.0	400	5920
622	2.3	400	5920
619	2.3	400	5920
543	2.6	400	5920
524	2.7	400	5920
489	2.9	400	5920
475	2.9	400	5920
427	3.3	400	5920
419	3.3	400	5920
381	3.7	400	5920
370	3.8	400	5920
334	4.2	400	5920
324	4.3	400	5920
295	4.7	400	5920
288	4.9	400	5920
253	5.5	400	5920
249	5.6	400	5920
218	6.4	400	5920
217	6.5	400	5920
193	7.3	400	5920
190	7.4	400	5920
178	7.9	400	5920
175	8.0	400	5920
149	9.4	400	5920
147	9.5	400	5920
131	11	400	5920
130	11	400	5920

BF57/67/77 R37 n_e=1400 1/min

BF57R37			600Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
14832	0.09	600	8200
13604	0.10	600	8200
126.2	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	0.20	600	8200
6030	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

BF67R37			820Nm
i	n_a [1/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	4.2	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

BF77R37			1500Nm
i	n_a [1/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	1100	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

BF87/97/R57, BF107R77 n_e=1400 1/min

BF87R57			3000Nm
i	n_a [1/min]	M_{amax} [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
988	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
381	5.0	3000	19800
349	5.6	3000	19800
240	5.8	3000	19800
211	6.6	3000	19800
193	7.3	3000	19800

BF97R57			4300Nm
i	n_a [1/min]	M_{amax} [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
7228	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

BF107R77			7840Nm
i	n_a [1/min]	M_{amax} [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	7840	49400
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
1087	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

BF127R77, BF127/R87, BF157R97 n_e=1400 1/min

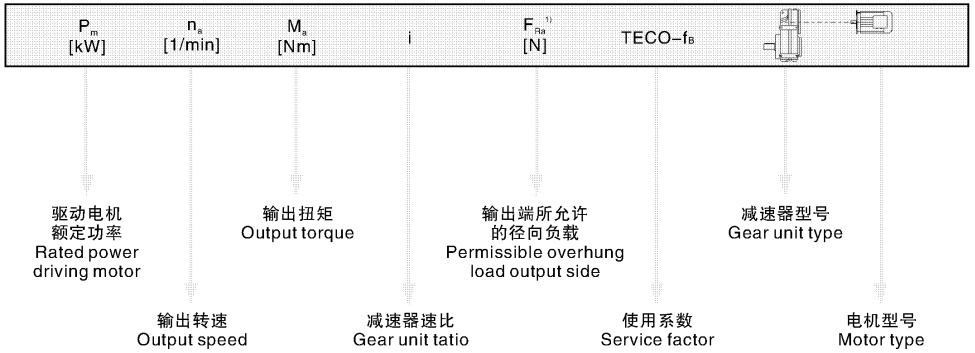
BF127R77			12000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
24478	0.06	12000	90000
22323	0.06	12000	90000
19048	0.07	12000	90000
16656	0.08	12000	90000
14722	0.10	12000	90000
12912	0.11	12000	90000
11656	0.12	12000	90000
10191	0.14	12000	90000
8831	0.16	12000	90000
7643	0.18	12000	90000
6715	0.21	12000	90000
5925	0.24	12000	90000
5153	0.27	12000	90000
4533	0.31	12000	90000
3926	0.36	12000	90000
3454	0.41	12000	90000
3031	0.46	12000	90000
2672	0.52	12000	90000
2357	0.59	12000	90000
2038	0.69	12000	90000
1784	0.78	12000	90000
1606	0.87	12000	90000
1390	1.0	12000	90000
1220	1.1	12000	90000
1077	1.3	12000	90000
930	1.5	12000	90000
820	1.7	12000	90000
727	1.9	12000	90000
648	2.2	12000	90000
549	2.6	12000	90000
495	2.8	12000	90000
428	3.3	12000	90000
376	3.7	12000	90000

BF127R87			12000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
483	2.9	12000	90000
418	3.3	12000	90000
374	3.7	12000	90000
312	4.5	12000	90000
293	4.8	12000	90000
259	5.4	12000	90000
223	6.3	12000	90000
198	7.1	12000	90000
166	8.4	12000	90000

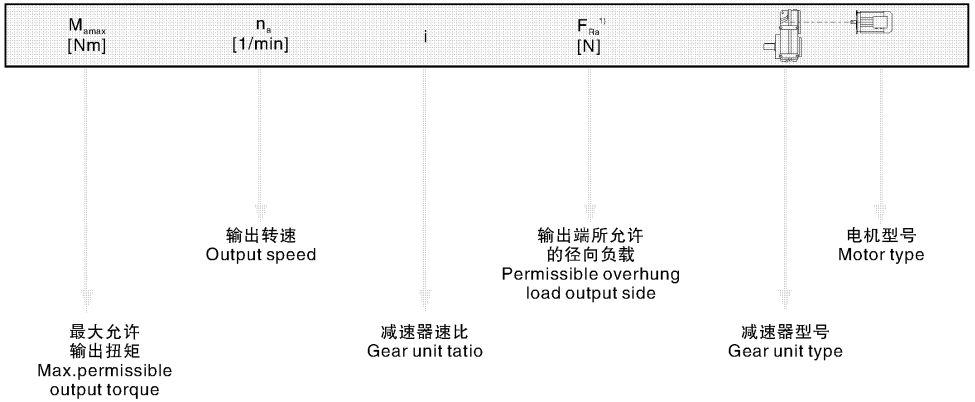
BF157R97			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
31434	0.04	18000	100300
26173	0.05	18000	100300
23464	0.06	18000	100300
20212	0.07	18000	100300
17984	0.08	18000	100300
16358	0.09	18000	100300
13751	0.10	18000	100300
12235	0.11	18000	100300
10033	0.14	18000	100300
9021	0.16	18000	100300
8026	0.17	18000	100300
7075	0.20	18000	100300
6295	0.22	18000	100300
5404	0.26	18000	100300
4831	0.29	18000	100300
4130	0.34	18000	100300
3607	0.39	18000	100300
3210	0.44	18000	100300
2780	0.50	18000	100300
2427	0.58	18000	100300
2185	0.64	18000	100300
1944	0.72	18000	100300
1674	0.84	18000	100300
1441	0.97	18000	100300
1308	1.1	18000	100300
1169	1.2	18000	100300
953	1.5	18000	100300
845	1.7	18000	100300
764	1.8	18000	100300
680	2.1	18000	100300
576	2.4	18000	100300
503	2.8	18000	100300
446	3.1	18000	100300
353	4.0	18000	100300
302	4.6	18000	100300
273	5.1	18000	100300
232	6.0	18000	100300
202	6.9	18000	100300
197	7.1	18000	100300

6.4 选型表注释
6.4 Selection table

选型表的结构
Selection table for geared motors



对于特殊低输出转速
For particularly low output speeds



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地扭矩相对应。
In drives for particularly low output speeds（multi–stage geared motor），the motor power must belimited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [1/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	型号 Model
0.12kW					
0.06	15000	22323	84600	0.80	
0.07	12600	19048	89300	0.95	BFA 127 R77 D63S4
0.08	10800	16656	90000	1.10	BFAF 127 R77 D63S4
0.09	9870	14722	90000	1.20	BF 127 R77 D63S4
0.11	7980	12912	90000	1.50	BFF 127 R77 D63S4
0.12	7090	11656	90000	1.70	
0.14	6300	10191	90000	1.90	
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	BFA 107 R77 D63S4
0.18	4740	7674	56900	1.60	BFAF 107 R77 D63S4
0.20	4120	6767	58200	1.85	BF 107 R77 D63S4
0.23	3530	5954	59400	2.2	BFF 107 R77 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	
0.21	4040	6469	30700	1.05	BFA 97 R57 D63S4
0.25	3680	5615	31600	1.15	BFAF 97 R57 D63S4
0.28	3200	4961	32800	1.35	BF 97 R57 D63S4
0.32	2800	4333	33800	1.55	BFF 97 R57 D63S4
0.35	2550	3906	34300	1.70	BFA 97 R57 D63S4
0.41	2210	3352	35000	1.95	BFAF 97 R57 D63S4
0.47	1820	2907	35700	2.4	BF 97 R57 D63S4
0.54	1670	2553	36000	2.6	BFF 97 R57 D63S4
0.28	3250	4954	3640	0.90	BFA 87 R57 D63S4
0.33	2690	4245	24100	1.10	BFAF 87 R57 D63S4
0.37	2200	3721	25800	1.35	BF 87 R57 D63S4
					BFF 87 R57 D63S4
0.43	2140	3244	26000	1.40	
0.48	1900	2881	26700	1.60	
0.54	1700	2576	27300	1.75	BFA 87 R57 D63S4
0.63	1440	2199	28000	2.1	BFAF 87 R57 D63S4
0.72	1240	1930	28400	2.4	BF 87 R57 D63S4
0.81	1120	1709	28700	2.7	BFF 87 R57 D63S4
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	BFA 77 R37 D63S4
0.60	1520	2284	15600	1.00	BFAF 77 R37 D63S4
0.68	1340	2029	16700	1.10	BF 77 R37 D63S4
					BFF 77 R37 D63S4
0.80	1130	1728	17800	1.35	
0.89	1040	1544	18200	1.45	
1.0	910	1354	18600	1.65	BFA 77 R37 D63S4
1.1	810	1200	19000	1.85	BFAF 77 R37 D63S4
1.3	710	1053	19200	2.1	BF 77 R37 D63S4
1.5	605	910	19500	2.5	BFF 77 R37 D63S4
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	BFA 67 R37 D63S4
1.6	540	858	12200	1.50	BFAF 67 R37 D63S4
1.8	475	755	12500	1.75	BF 67 R37 D63S4
2.2	405	641	12800	2.0	BFF 67 R37 D63S4
2.4	375	572	12900	2.2	
2.7	320	509	13000	2.6	
3.2	275	437	13000	3.0	

输出转速 Output speed n_a [1/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	型号 Model
0.12kW					
1.4	655	967	5860	0.90	
1.6	585	851	9320	1.05	
1.9	500	738	9920	1.20	BFA 57 R37 D63S4
2.1	435	646	10400	1.40	BFAF 57 R37 D63S4
2.5	370	558	10700	1.60	BF 57 R37 D63S4
2.7	330	506	11000	1.80	BFF 57 R37 D63S4
3.0	285	452	11200	2.1	
3.2	295	426	11200	2.0	
3.6	260	382	11300	2.3	BFA 57 R37 D63S4
4.2	225	330	11500	2.7	BFAF 57 R37 D63S4
4.6	200	298	11500	3.0	BF 57 R37 D63S4
5.3	177	262	11500	3.4	BFF 57 R37 D63S4
2.2	425	622	3390	0.95	BFA 47 R17 D63S4
2.5	370	543	6320	1.10	BFAF 47 R17 D63S4
2.9	320	475	6890	1.25	BF 47 R17 D63S4
3.3	280	419	7250	1.45	BFF 47 R17 D63S4
2.6	365	524	6390	1.10	
2.8	340	489	6690	1.20	
3.2	290	427	7130	1.35	BFA 47 R17 D63S4
3.6	260	381	7400	1.55	BFAF 47 R17 D63S4
4.1	225	334	7610	1.75	BF 47 R17 D63S4
4.7	198	295	7780	2.0	BFF 47 R17 D63S4
5.4	166	253	7940	2.4	
4.3	210	322	4130	0.95	BFA 37 R17 D63S4
5.0	184	278	4510	1.10	BFAF 37 R17 D63S4
5.7	157	242	4810	1.30	BF 37 R17 D63S4
6.2	149	221	4890	1.35	BFF 37 R17 D63S4
4.2	225	326	3890	0.90	
4.8	195	285	4370	1.05	BFA 37 R17 D63S4
5.5	170	250	4670	1.20	BFAF 37 R17 D63S4
6.3	150	219	4880	1.35	BF 37 R17 D63S4
7.4	127	186	5080	1.60	BFF 37 R17 D63S4
8.3	114	167	5170	1.75	
3.9	290	228.99	13000	2.8	
4.6	250	195.39	13000	3.3	BFA 67 D63M6
5.3	220	170.85	13000	3.8	BFAF 67 D63M6
5.6	205	162.31	13000	4.0	BF 67 D63M6
6.3	181	142.40	13000	4.5	BFF 67 D63M6
4.5	255	199.70	11400	2.4	
4.9	235	183.60	11500	2.6	BFA 57 D63M6
5.7	200	157.09	11500	3.0	BFAF 57 D63M6
6.6	173	136.16	11500	3.5	BF 57 D63M6
7.1	162	127.27	11500	3.7	BFF 57 D63M6
6.9	166	199.70	11500	3.6	BFA 57 D63S4
7.5	153	183.60	11500	3.9	BFAF 57 D63S4
8.8	130	157.09	11500	4.6	BF 57 D63S4
10	113	136.16	11500	5.3	BFF 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	BFA 47 D63M6
6.9	166	130.07	7940	2.4	BFAF 47 D63M6
7.4	155	121.57	7990	2.6	BF 47 D63M6
8.6	134	105.09	8070	3.0	BFF 47 D63M6
10	114	89.29	8130	3.5	
11	102	79.72	8160	3.9	
7.2	158	190.76	7970	2.5	BFA 47 D63S4
7.9	146	175.38	8020	2.8	BFAF 47 D63S4
9.2	125	150.06	8100	3.2	BF 47 D63S4
11	108	130.07	8150	3.7	BFF 47 D63S4
7.0	164	128.51	4740	1.20	
7.6	150	117.88	4880	1.35	BFA 37 D63M6
9.0	128	100.36	5070	1.55	BFAF 37 D63M6
10	110	86.53	5190	1.80	BF 37 D63M6
11	103	80.65	5240	1.95	BFF 37 D63M6

输出转速 Output speed n_a [1/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	型号 Model
0.12kW					
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	80.65	5410	3.0	
20	59	70.50	5440	3.4	
21	55	66.09	5460	3.6	BFA 37 D63S4
24	48	58.32	5470	4.1	BFAF 37 D63S4
25	45	54.54	5480	4.4	BF 37 D63S4
27	43	51.70	5490	4.7	BFF 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	
87	13	15.81	4630	15	
96	12	14.33	4490	17	
107	11	12.87	4330	19	BFA 37 D63S4
125	9.2	11.08	4130	21	BFAF 37 D63S4
132	8.7	10.42	4050	21	BF 37 D63S4
154	7.4	8.97	3860	24	BFF 37 D63S4
186	6.2	7.44	3630	23	
205	5.6	6.74	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	
0.18kW					
0.10	13500	12912	87500	0.90	
0.11	12100	11656	90000	1.00	BFA 127 R77 D63M4
0.13	10700	10191	90000	1.10	BFAF 127 R77 D63M4
0.15	8980	8831	90000	1.35	BF 127 R77 D63M4
0.17	7770	7643	90000	1.55	BFF 127 R77 D63M4
0.20	7150	6715	90000	1.70	
0.15	8560	8548	47400	0.90	
0.17	8050	7674	48800	0.95	BFA 107 R77 D63M4
0.20	7030	6767	51500	1.10	BFAF 107 R77 D63M4
0.22	6090	5954	53800	1.25	BF 107 R77 D63M4
0.25	5310	5223	55600	1.45	BFF 107 R77 D63M4
0.29	4860	4567	56600	1.60	
0.37	3660	3521	59100	2.1	
0.43	3170	3037	60100	2.4	BFA 107 R77 D63M4
0.48	2880	2756	60600	2.7	BFAF 107 R77 D63M4
0.56	2470	2369	61400	3.1	BF 107 R77 D63M4
0.64	2160	2068	61900	3.6	BFF 107 R77 D63M4
0.30	4660	4333	27900	0.90	BFA 97 R57 D63M4
					BFAF 97 R57 D63M4
					BF 97 R57 D63M4
					BFF 97 R57 D63M4
0.34	4260	3906	30000	1.00	
0.39	3670	3352	31600	1.15	
0.45	3100	2907	33100	1.40	
0.52	2790	2553	33800	1.55	BFA 97 R57 D63M4
0.59	2450	2245	34500	1.75	BFAF 97 R57 D63M4
0.67	2130	1970	35200	2.0	BF 97 R57 D63M4
0.77	1890	1722	35600	2.3	BFF 97 R57 D63M4
0.86	1670	1527	36000	2.6	
0.99	1380	1327	36500	3.1	
1.1	1280	1171	36600	3.3	

输出转速 Output speed n_a [1/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	型号 Model
0.18kW					
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	BFA 87 R57 D63M4
0.77	1860	1709	26800	1.60	BFAF 87 R57 D63M4
0.88	1640	1493	27500	1.85	BF 87 R57 D63M4
1.0	1350	1300	28200	2.2	BFF 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	BFA 77 R37 D63M4
1.1	1330	1200	16800	1.15	BFAF 77 R37 D63M4
1.2	1170	1053	17600	1.30	BF 77 R37 D63M4
1.5	1000	910	18300	1.50	BFF 77 R37 D63M4
1.6	860	810	18800	1.75	
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	BFA 67 R37 D63M4
2.1	685	641	11400	1.20	BFAF 67 R37 D63M4
2.3	625	572	11800	1.30	BF 67 R37 D63M4
2.6	540	509	12200	1.50	BFF 67 R37 D63M4
3.0	470	437	12600	1.75	
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	BFA 67 R37 D63M4
4.0	370	333	12900	2.2	BFAF 67 R37 D63M4
4.4	325	297	13000	2.5	BF 67 R37 D63M4
5.1	285	261	13000	2.9	BFF 67 R37 D63M4
5.6	260	238	13000	3.2	
6.6	215	200	13000	3.8	
2.4	615	558	9080	1.00	BFA 57 R37 D63M4
2.6	550	506	9560	1.10	BFAF 57 R37 D63M4
2.9	485	452	10000	1.25	BF 57 R37 D63M4
3.4	415	386	10500	1.45	BFF 57 R37 D63M4
3.9	360	338	10800	1.65	
3.1	485	426	10000	1.25	
3.5	430	382	10400	1.40	BFA 57 R37 D63M4
4.0	370	330	10700	1.60	BFAF 57 R37 D63M4
4.4	335	298	11000	1.80	BF 57 R37 D63M4
5.0	295	262	11200	2.0	BFF 57 R37 D63M4
5.8	250	226	11400	2.4	
6.6	215	200	11500	2.8	
3.6	400	370	5920	1.00	BFA 47 R17 D63M4
4.1	365	324	6410	1.10	BFAF 47 R17 D63M4
4.6	315	288	6910	1.25	BF 47 R17 D63M4
5.3	270	249	7310	1.50	BFF 47 R17 D63M4
4.0	375	334	6260	1.05	
4.5	330	295	6780	1.20	BFA 47 R17 D63M4
5.2	280	253	7250	1.45	BFAF 47 R17 D63M4
6.1	245	217	7490	1.60	BF 47 R17 D63M4
7.0	215	190	7690	1.85	BFF 47 R17 D63M4
7.4	200	178	7770	2.0	
7.1	210	186	4160	0.95	BFA 37 R17 D63M4
7.9	188	167	4460	1.05	BFAF 37 R17 D63M4
9.1	166	145	4720	1.20	BF 37 R17 D63M4
10	146	129	4910	1.35	BFF 37 R17 D63M4
					BFA 77 D71M6
3.1	555	281.71	19600	2.7	BFAF 77 D71M6
3.3	520	262.93	19700	2.9	BF 77 D71M6
3.8	445	225.79	19800	3.4	BFF 77 D71M6

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
3.8	450	228.99	12600	1.80	**BFA 67 D71M6**
4.4	385	195.39	12900	2.1	**BFAF 67 D71M6**
5.1	340	170.85	13000	2.4	**BF 67 D71M6**
					BFF 67 D71M6
5.8	300	228.99	13000	2.8	**BFA 67 D63M4**
6.8	255	195.39	13000	3.2	**BFAF 67 D63M4**
7.7	225	170.85	13000	3.7	**BF 67 D63M4**
					BFF 67 D63M4
4.4	395	199.70	10600	1.50	
4.7	365	183.60	10800	1.65	**BFA 57 D71M6**
5.5	310	157.09	11100	1.95	**BFAF 57 D71M6**
6.4	270	136.16	11300	2.2	**BF 57 D71M6**
6.8	250	127.27	11400	2.4	**BFF 57 D71M6**
7.9	215	110.01	11500	2.8	
6.6	260	199.70	11300	2.3	
7.2	240	183.60	11500	2.5	**BFA 57 D63M4**
8.4	205	157.09	11500	2.9	**BFAF 57 D63M4**
9.7	177	136.16	11500	3.4	**BF 57 D63M4**
10	166	127.27	11500	3.6	**BFF 57 D63M4**
4.6	375	190.76	6240	1.05	
5.0	345	175.38	6600	1.15	**BFA 47 D71M6**
5.8	295	150.06	7090	1.35	**BFAF 47 D71M6**
6.7	255	130.07	7410	1.55	**BF 47 D71M6**
7.2	240	121.57	7530	1.65	**BFF 47 D71M6**
6.9	250	190.76	7470	1.60	
7.5	230	175.38	7610	1.75	**BFA 47 D63M4**
8.8	195	150.06	7800	2.0	**BFAF 47 D63M4**
10	169	130.07	7920	2.4	**BF 47 D63M4**
11	158	121.57	7970	2.5	**BFF 47 D63M4**
7.4	235	117.88	3750	0.85	
8.7	198	100.36	4320	1.00	**BFA 37 D71M6**
10	171	86.53	4660	1.15	**BFAF 37 D71M6**
11	159	80.65	4790	1.25	**BF 37 D71M6**
12	139	70.50	4970	1.45	**BFF 37 D71M6**
10	167	128.51	4700	1.20	
11	154	117.88	4850	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	**BFA 37 D63M4**
23	76	58.32	5380	2.6	**BFAF 37 D63M4**
24	71	54.54	5400	2.8	**BF 37 D63M4**
26	67	51.70	5410	3.0	**BFF 37 D63M4**
28	61	47.02	5440	3.3	
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	
64	27	20.57	5030	7.5	
69	25	19.27	4930	8.0	
78	22	17.03	4740	9.0	
83	21	15.81	4640	9.7	
92	19	14.33	4500	11	
103	17	12.87	4350	12	**BFA 37 D63M4**
119	14	11.08	4150	13	**BFAF 37 D63M4**
127	14	10.42	4070	14	**BF 37 D63M4**
147	12	8.97	3880	15	**BFF 37 D63M4**
178	9.7	7.44	3650	15	
196	8.8	6.74	3540	16	
218	7.9	6.05	3420	17	
253	6.8	5.21	3260	18	
269	6.4	4.90	3190	19	
313	5.5	4.22	3040	20	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
0.15	13300	8831	88000	0.90	
0.17	11500	7643	90000	1.05	**BFA 127 R77 D71M4**
0.19	10400	6715	90000	1.15	**BFAF 127 R77 D71M4**
0.22	9190	5925	90000	1.30	**BF 127 R77 D71M4**
0.25	7860	5153	90000	1.55	**BFF 127 R77 D71M4**
0.29	6850	4533	90000	1.75	
0.22	9000	5954	46200	0.85	**BFA 107 R77 D71M4**
0.25	7860	5223	49300	1.00	**BFAF 107 R77 D71M4**
0.28	7090	4567	51400	1.10	**BF 107 R77 D71M4**
0.37	5370	3521	55500	1.45	**BFF 107 R77 D71M4**
0.43	4680	3037	57000	1.65	
0.47	4240	2756	57900	1.80	**BFA 107 R77 D71M4**
0.55	3650	2369	59100	2.1	**BFAF 107 R77 D71M4**
0.63	3180	2068	60000	2.4	**BF 107 R77 D71M4**
0.81	2440	1597	61400	3.2	**BFF 107 R77 D71M4**
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	**BFA 97 R57 D71M4**
0.66	3100	1970	33100	1.40	**BFAF 97 R57 D71M4**
0.75	2740	1722	33900	1.55	**BF 97 R57 D71M4**
0.85	2430	1527	34600	1.75	**BFF 97 R57 D71M4**
0.98	2040	1327	35300	2.1	
1.1	1860	1171	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	**BFA 87 R57 D71M4**
1.0	1990	1300	26500	1.50	**BFAF 87 R57 D71M4**
1.1	1780	1148	27100	1.70	**BF 87 R57 D71M4**
1.3	1550	1010	27700	1.95	**BFF 87 R57 D71M4**
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	**BFA 77 R37 D71M4**
1.8	1110	710	17900	1.35	**BFAF 77 R37 D71M4**
2.1	970	615	18400	1.55	**BF 77 R37 D71M4**
2.4	850	538	18800	1.75	**BFF 77 R37 D71M4**
2.7	760	480	19100	2.0	
3.2	645	413	19400	2.3	
2.0	1000	641	2370	0.80	**BFA 67 R37 D71M4**
2.3	910	572	9440	0.90	**BFAF 67 R37 D71M4**
2.6	795	509	10500	1.05	**BF 67 R37 D71M4**
3.0	685	437	11400	1.20	**BFF 67 R37 D71M4**
2.6	810	500	10400	1.00	
2.9	740	454	11000	1.10	**BFA 67 R37 D71M4**
3.3	635	392	11700	1.30	**BFAF 67 R37 D71M4**
3.9	535	333	12200	1.55	**BF 67 R37 D71M4**
4.4	475	297	12500	1.70	**BFF 67 R37 D71M4**
5.0	420	261	12700	1.95	
5.5	375	238	12900	2.2	
3.4	605	386	9170	1.00	**BFA 57 R37 D71M4**
3.8	525	338	9740	1.15	**BFAF 57 R37 D71M4**
5.1	400	255	10600	1.50	**BF 57 R37 D71M4**
					BFF 57 R37 D71M4
3.4	625	382	8710	0.95	
3.9	535	330	9680	1.10	**BFA 57 R37 D71M4**
4.4	485	298	10000	1.25	**BFAF 57 R37 D71M4**
5.0	425	262	10400	1.40	**BF 57 R37 D71M4**
5.8	360	226	10800	1.65	**BFF 57 R37 D71M4**
6.5	320	200	11000	1.90	
7.7	270	170	11300	2.2	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
5.2	395	249	6020	1.00	**BFA 47 R17 D71M4**
6.0	350	218	6580	1.15	**BFAF 47 R17 D71M4**
6.7	305	193	7000	1.30	**BF 47 R17 D71M4**
7.4	280	175	7250	1.45	**BFF 47 R17 D71M4**
5.1	405	253	5850	1.00	
6.0	355	217	6490	1.10	**BFA 47 R17 D71M4**
6.8	310	190	6970	1.30	**BFAF 47 R17 D71M4**
7.3	290	178	7150	1.40	**BF 47 R17 D71M4**
8.7	240	149	7520	1.65	**BFF 47 R17 D71M4**
9.9	210	131	7710	1.90	
8.9	240	145	3640	0.85	
10	210	129	4130	0.95	**BFA 37 R17 D71M4**
11	193	118	4390	1.05	**BFAF 37 R17 D71M4**
13	160	98	4780	1.25	**BF 37 R17 D71M4**
15	140	87	4970	1.45	**BFF 37 R17 D71M4**
3.1	765	281.71	19100	1.95	
3.3	715	262.93	19200	2.1	**BFA 77 D71D6**
3.9	615	225.79	19500	2.5	**BFAF 77 D71D6**
4.4	540	198.31	19600	2.8	**BF 77 D71D6**
4.7	510	188.40	19700	2.9	**BFF 77 D71D6**
3.8	620	228.99	11800	1.30	
4.5	530	195.39	12300	1.55	**BFA 67 D71D6**
5.2	465	170.85	12600	1.75	**BFAF 67 D71D6**
5.4	440	162.31	12700	1.85	**BF 67 D71D6**
6.2	385	142.40	12900	2.1	**BFF 67 D71D6**
5.7	420	228.99	12700	1.95	
6.7	360	195.39	13000	2.3	**BFA 67 D71M4**
7.6	315	170.85	13000	2.6	**BFAF 67 D71M4**
8.0	300	162.31	13000	2.8	**BF 67 D71M4**
9.1	260	142.40	13000	3.1	**BFF 67 D71M4**
4.4	540	199.70	9630	1.10	
4.8	500	183.60	9940	1.20	**BFA 57 D71D6**
5.6	425	157.09	10400	1.40	**BFAF 57 D71D6**
6.5	370	136.16	10800	1.60	**BF 57 D71D6**
6.9	345	127.27	10900	1.75	**BFF 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	**BFA 57 D71M4**
8.3	290	157.09	11200	2.1	**BFAF 57 D71M4**
9.6	250	136.16	11400	2.4	**BF 57 D71M4**
10	235	127.27	11500	2.6	**BFF 57 D71M4**
12	200	110.01	11500	3.0	
5.9	405	150.06	5750	1.00	**BFA 47 D71D6**
6.8	355	130.07	6530	1.15	**BFAF 47 D71D6**
7.2	330	121.57	6770	1.20	**BF 47 D71D6**
8.4	285	105.09	7190	1.40	**BFF 47 D71D6**
6.8	350	190.76	6550	1.15	
7.4	320	175.38	6850	1.25	**BFA 47 D71M4**
8.7	275	150.06	7270	1.45	**BFAF 47 D71M4**
10	240	130.07	7540	1.65	**BF 47 D71M4**
11	225	121.57	7640	1.80	**BFF 47 D71M4**
12	193	105.09	7810	2.1	
15	164	89.29	7950	2.4	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
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	**BFA 37 D71M4**
20	121	66.09	5120	1.65	**BFAF 37 D71M4**
22	107	58.32	5210	1.85	**BF 37 D71M4**
24	100	54.54	5260	2.0	**BFF 37 D71M4**
25	95	51.70	5280	2.1	
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	**BFA 37 D71M4**
91	26	14.33	4460	7.6	**BFAF 37 D71M4**
101	24	12.87	4320	8.5	**BF 37 D71M4**
117	20	11.08	4120	9.3	**BFF 37 D71M4**
125	19	10.42	4050	9.7	
145	17	8.97	3860	11	
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	
0.37kW					
0.21	14900	6715	84800	0.80	**BFA 127 R77 D71D4**
0.23	13100	5925	88300	0.90	**BFAF 127 R77 D71D4**
0.27	11300	5153	90000	1.05	**BF 127 R77 D71D4**
0.30	9850	4533	90000	1.20	**BFF 127 R77 D71D4**
0.35	8590	3926	90000	1.40	
0.40	7510	3454	90000	1.60	
0.46	6570	3031	90000	1.85	
0.45	6720	3037	52300	1.15	**BFA 107 R77 D71D4**
0.50	6090	2756	53800	1.25	**BFAF 107 R77 D71D4**
0.58	5240	2369	55800	1.45	**BF 107 R77 D71D4**
0.67	4570	2068	57200	1.70	**BFF 107 R77 D71D4**
0.86	3510	1597	59400	2.2	
0.61	5070	2245	5160	0.85	
0.70	4430	1970	29500	0.95	**BFA 97 R57 D71D4**
0.80	3900	1722	31000	1.10	**BFAF 97 R57 D71D4**
0.90	3460	1527	32200	1.25	**BF 97 R57 D71D4**
1.0	2930	1327	33500	1.45	**BFF 97 R57 D71D4**
1.2	2650	1171	34100	1.60	
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	**BFA 87 R57 D71D4**
1.6	1970	887	26500	1.50	**BFAF 87 R57 D71D4**
1.8	1720	780	27200	1.75	**BF 87 R57 D71D4**
2.0	1470	674	27900	2.0	**BFF 87 R57 D71D4**
2.3	1340	609	28200	2.2	
2.7	1130	515	28700	2.7	
3.0	1000	452	29000	3.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
1.7	1810	810	13300	0.85	
1.9	1590	710	15100	0.95	
2.2	1390	615	16400	1.10	BFA 77 R37 D71D4
2.6	1210	538	17400	1.25	BFAF 77 R37 D71D4
2.9	1080	480	18000	1.40	BF 77 R37 D71D4
3.3	920	413	18600	1.65	BFF 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	BFA 67 R37 D71D4
4.1	770	338	10800	1.05	BFAF 67 R37 D71D4
4.5	685	305	11400	1.20	BF 67 R37 D71D4
5.4	575	257	12000	1.40	BFF 67 R37 D71D4
6.0	510	231	12400	1.60	
5.4	570	255	9420	1.05	BFA 57 R37 D71D4
6.9	445	201	10300	1.35	BFAF 57 R37 D71D4
7.6	405	181	10500	1.50	BF 57 R37 D71D4
					BFF 57 R37 D71D4
5.3	605	262	9170	1.00	
6.1	515	226	9810	1.15	BFA 57 R37 D71D4
6.9	455	200	10200	1.30	BFAF 57 R37 D71D4
8.1	385	170	10700	1.55	BF 57 R37 D71D4
9.1	345	152	10900	1.75	BFF 57 R37 D71D4
10	300	134	11100	2.0	
7.9	395	175	5990	1.00	BFA 47 R17 D71D4
9.4	335	147	6740	1.20	BFAF 47 R17 D71D4
11	295	130	7110	1.35	BF 47 R17 D71D4
					BFF 47 R17 D71D4
2.5	1410	270.68	28100	2.1	BFA 87 D90S8
2.7	1330	255.37	28200	2.3	BFAF 87 D90S8
3.0	1190	228.93	28600	2.5	BF 87 D90S8
3.5	1020	197.20	28900	2.9	BFF 87 D90S8
3.3	1060	270.68	28800	2.8	BFA 87 D80K6
3.5	1000	255.37	29000	3.0	BFAF 87 D80K6
3.9	900	228.93	29200	3.3	BF 87 D80K6
					BFF 87 D80K6
4.0	890	225.79	18700	1.70	BFA 77 D80K6
4.5	780	198.31	19100	1.95	BFAF 77 D80K6
4.8	740	188.40	19200	2.0	BF 77 D80K6
5.4	655	166.47	19400	2.3	BFF 77 D80K6
6.3	560	142.27	19600	2.7	
4.9	720	281.71	19200	2.1	BFA 77 D71D4
5.2	675	262.93	19300	2.2	BFAF 77 D71D4
6.1	580	225.79	19500	2.6	BF 77 D71D4
7.0	510	198.31	19700	3.0	BFF 77 D71D4
4.6	765	195.39	10800	1.05	BFA 67 D80K6
5.3	670	170.85	11500	1.20	BFAF 67 D80K6
5.6	635	162.31	11700	1.30	BF 67 D80K6
6.3	560	142.40	12100	1.45	BFF 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	BFA 67 D71D4
8.1	435	170.85	12700	1.85	BFAF 67 D71D4
8.5	415	162.31	12800	1.95	BF 67 D71D4
9.7	365	142.40	12900	2.2	BFF 67 D71D4
11	310	120.79	13000	2.7	
5.7	615	157.09	9070	0.95	BFA 57 D80K6
6.6	535	136.16	9680	1.10	BFAF 57 D80K6
7.1	500	127.27	9930	1.20	BF 57 D80K6
8.2	430	110.01	10400	1.40	BF 57 D80K6

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
6.9	510	199.70	9850	1.15	
7.5	470	183.60	10100	1.30	BFA 57 D71D4
8.8	400	157.09	10600	1.50	BFAF 57 D71D4
10	350	136.16	10900	1.70	BF 57 D71D4
11	325	127.27	11000	1.85	BFF 57 D71D4
13	280	110.01	11200	2.1	
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	BFA 47 D71D4
13	270	105.09	7320	1.50	BFAF 47 D71D4
15	230	89.29	7600	1.75	BF 47 D71D4
17	205	79.72	7750	1.95	BFF 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	BFA 37 D71D4
27	132	51.70	5030	1.50	BFAF 37 D71D4
29	120	47.02	5120	1.65	BF 37 D71D4
31	112	43.83	5180	1.80	BFF 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	BFA 37 D71D4
125	28	11.08	3970	6.7	BFAF 37 D71D4
132	27	10.42	3900	6.9	BF 37 D71D4
154	23	8.97	3730	7.6	BFF 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					
0.22	20500	6295	92000	0.90	BFA 157 R97 D80K4
0.25	17400	5404	102100	1.05	BFAF 157 R97 D80K4
0.49	8930	2780	118700	2.0	BF 157 R97 D80K4
					BFF 157 R97 D80K4
0.56	7760	2427	120000	2.3	BFA 157 R97 D80K4
0.81	5520	1674	120000	3.3	BFAF 157 R97 D80K4
1.0	4220	1308	120000	4.3	BF 157 R97 D80K4
1.2	3730	1169	120000	4.8	BFF 157 R97 D80K4
0.35	13300	3926	88000	0.90	BFA 127 R77 D80K4
0.39	11600	3454	90000	1.05	BFAF 127 R77 D80K4
0.45	10200	3031	90000	1.20	BF 127 R77 D80K4
					BFF 127 R77 D80K4
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	BFA 107 R77 D80K4
0.97	4750	1401	56900	1.60	BFAF 107 R77 D80K4
1.1	4160	1243	58100	1.85	BF 107 R77 D80K4
1.2	3700	1087	59000	2.1	BFF 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 [1/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}[1] [N]	使用系数 Service factor f_s	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	BFA 97 R57 D80K4
1.5	3050	898	33200	1.40	BFAF 97 R57 D80K4
1.7	2690	784	34000	1.60	BF 97 R57 D80K4
2.0	2340	690	34700	1.85	BFF 97 R57 D80K4
2.2	2060	605	35300	2.1	
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	BFA 87 R57 D80K4
2.0	2290	674	25500	1.30	BFAF 87 R57 D80K4
2.2	2080	609	26200	1.45	BF 87 R57 D80K4
2.6	1750	515	27100	1.70	BFF 87 R57 D80K4
3.0	1540	452	27700	1.95	
3.9	1160	345	28600	2.6	
2.5	1860	538	9980	0.80	BFA 77 R37 D80K4
2.8	1660	480	14600	0.90	BFAF 77 R37 D80K4
3.3	1420	413	16200	1.05	BF 77 R37 D80K4
3.7	1270	367	17100	1.20	BFF 77 R37 D80K4
4.2	1120	323	17800	1.35	
5.3	890	257	9660	0.90	BFA 67 R37 D80K4
5.9	790	231	10600	1.05	BFAF 67 R37 D80K4
6.6	705	205	11200	1.15	BF 67 R37 D80K4
7.8	600	175	11900	1.35	BFF 67 R37 D80K4
2.5	2140	276.77	35100	2.0	BFA 97 D90L8
2.7	1960	253.41	35500	2.2	BFAF 97 D90L8
3.0	1730	223.88	35900	2.5	BF 97 D90L8
					BFF 97 D90L8
2.5	2090	270.68	26200	1.45	BFA 87 D90L8
2.7	1970	255.37	26500	1.50	BFAF 87 D90L8
3.0	1770	228.93	27100	1.70	BF 87 D90L8
3.5	1520	197.20	27800	1.95	BFF 87 D90L8
3.3	1580	270.68	27600	1.90	BFA 87 D80N6
3.5	1490	255.37	27800	2.0	BFAF 87 D80N6
3.9	1340	228.93	28200	2.2	BF 87 D80N6
4.6	1150	197.20	28700	2.6	BFF 87 D80N6
5.0	1050	179.97	28900	2.9	
4.0	1320	225.79	16800	1.15	
4.5	1160	198.31	17600	1.30	BFA 77 D80N6
4.8	1100	188.40	17900	1.35	BFAF 77 D80N6
5.4	970	166.47	18400	1.55	BF 77 D80N6
6.3	830	142.27	18900	1.80	BFF 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	BFA 77 D80K4
8.2	645	166.47	19400	2.3	BFAF 77 D80K4
9.6	550	142.27	19600	2.7	BF 77 D80K4
10	505	130.42	19700	3.0	BFF 77 D80K4
12	440	114.45	19800	3.4	
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	BFA 67 D80K4
9.6	550	142.40	12200	1.50	BFAF 67 D80K4
11	465	120.79	12600	1.75	BF 67 D80K4
12	420	109.04	12700	1.95	BFF 67 D80K4
14	370	95.94	12900	2.2	
15	350	90.59	13000	2.3	
17	310	79.76	13000	2.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BF 57 D80K4
12	425	110.01	10400	1.40	BFAF 57 D80K4
15	360	93.47	10800	1.65	BF 57 D80K4
16	320	83.46	11000	1.85	BFF 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	BFA 47 D80K4
20	265	68.09	7370	1.50	BFAF 47 D80K4
21	250	65.36	7440	1.60	BF 47 D80K4
24	220	56.49	7670	1.85	BFF 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	BFA 37 D80K4
31	169	43.83	4680	1.20	BFAF 37 D80K4
36	148	38.31	4900	1.35	BF 37 D80K4
38	139	35.91	4980	1.45	BFF 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	BFA 37 D80K4
130	40	10.42	3810	4.6	BFAF 37 D80K4
152	35	8.97	3650	5.1	BF 37 D80K4
170	31	8.01	3540	5.5	BFF 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					
0.50	12300	2780	113600	1.45	BFA 157 R97 D80N4 BFAF 157 R97 D80N4 BF 157 R97 D80N4 BFF 157 R97 D80N4
0.57	10700	2427	116200	1.70	BFA 157 R97 D80N4
0.82	7580	1674	120000	2.4	BFAF 157 R97 D80N4
1.1	5830	1308	120000	3.1	BF 157 R97 D80N4
1.2	5170	1169	120000	3.5	BFF 157 R97 D80N4
0.46	13800	3031	86900	0.85	BFA 127 R77 D80N4 BFAF 127 R77 D80N4 BF 127 R77 D80N4 BFF 127 R77 D80N4
0.52	12400	2672	89600	0.95	BFA 127 R77 D80N4
0.59	10900	2357	90000	1.10	BFAF 127 R77 D80N4
0.68	9390	2038	90000	1.30	BF 127 R77 D80N4
0.77	8190	1784	90000	1.45	BFF 127 R77 D80N4
0.86	7350	1606	90000	1.65	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.75kW					
0.76	8360	1826	48000	0.90	
0.86	7400	1597	50500	1.05	
0.98	6470	1401	52900	1.20	**BFA 107 R77 D80N4**
1.1	5690	1243	54800	1.35	**BFAF 107 R77 D80N4**
1.3	5040	1087	56200	1.50	**BF 107 R77 D80N4**
1.5	4350	950	57700	1.75	**BFF 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	**BFA 97 R57 D80N4**
2.0	3190	690	32900	1.35	**BFAF 97 R57 D80N4**
2.3	2800	605	33800	1.55	**BF 97 R57 D80N4**
2.6	2440	529	34500	1.75	**BFF 97 R57 D80N4**
3.0	2160	467	35100	2.0	
3.4	1860	406	35600	2.3	
3.8	1670	363	36000	2.6	
2.0	3120	674	14700	0.95	
2.3	2830	609	23600	1.05	**BFA 87 R57 D80N4**
2.7	2390	515	25200	1.25	**BFAF 87 R57 D80N4**
3.0	2100	452	26100	1.45	**BF 87 R57 D80N4**
4.0	1590	345	27600	1.90	**BFF 87 R57 D80N4**
3.8	1720	367	14100	0.85	**BFA 77 R37 D80N4**
4.3	1520	323	15600	1.00	**BFAF 77 R37 D80N4**
4.9	1310	280	16900	1.15	**BF 77 R37 D80N4**
					BFF 77 R37 D80N4
2.7	2640	254.40	61100	2.9	**BFA 107 D100M8** **BFAF 107 D100M8** **BF 107 D100M8** **BFF 107 D100M8**
2.5	2870	276.77	33600	1.50	**BFA 97 D100M8**
2.7	2630	253.41	34100	1.65	**BFAF 97 D100M8**
3.1	2320	223.88	34800	1.85	**BF 97 D100M8**
					BFF 97 D100M8
3.2	2200	276.77	35000	1.95	**BFA 97 D90S6**
3.5	2020	253.41	35400	2.1	**BFAF 97 D90S6**
4.0	1780	223.88	35800	2.4	**BF 97 D90S6**
					BFF 97 D90S6
3.3	2150	270.68	26000	1.40	
3.5	2030	255.37	26300	1.50	**BFA 87 D90S6**
3.9	1820	228.93	27000	1.65	**BFAF 87 D90S6**
4.6	1570	197.20	27600	1.90	**BF 87 D90S6**
5.0	1430	179.97	28000	2.1	**BFF 87 D90S6**
5.6	1270	156.61	28400	2.4	
5.1	1400	270.68	28100	2.1	**BFA 87 D80N4**
5.4	1330	255.37	28200	2.3	**BFAF 87 D80N4**
6.0	1190	228.93	28600	2.5	**BF 87 D80N4**
					BFF 87 D80N4
4.5	1580	198.31	15200	0.95	**BFA 77 D90S6**
4.8	1500	188.40	15700	1.00	**BFAF 77 D90S6**
5.4	1320	166.47	16800	1.15	**BF 77 D90S6**
6.3	1130	142.27	17800	1.30	**BFF 77 D90S6**
6.9	1040	130.42	18200	1.45	
6.1	1170	225.79	17600	1.30	**BFA 77 D80N4**
7.0	1030	198.31	18200	1.45	**BFAF 77 D80N4**
7.3	980	188.40	18400	1.55	**BF 77 D80N4**
					BFF 77 D80N4
8.3	860	166.47	18800	1.75	**BFA 77 D80N4**
9.7	740	142.27	19200	2.0	**BFAF 77 D80N4**
11	675	130.42	19300	2.2	**BF 77 D80N4**
12	595	114.45	19500	2.5	**BFF 77 D80N4**
13	565	108.46	19600	2.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.75kW					
8.1	890	170.85	9670	0.90	**BFA 67 D80N4**
8.5	840	162.31	10100	0.95	**BFAF 67 D80N4**
9.7	740	142.40	11000	1.10	**BF 67 D80N4**
11	625	120.79	11700	1.30	**BFF 67 D80N4**
13	565	109.04	12100	1.45	
14	500	95.94	12400	1.65	**BFA 67 D80N4**
15	470	90.59	12500	1.75	**BFAF 67 D80N4**
17	415	79.76	12800	2.0	**BF 67 D80N4**
20	350	67.65	13000	2.3	**BFF 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	**BFA 57 D80N4**
17	435	83.46	10400	1.40	**BFAF 57 D80N4**
19	380	72.98	10700	1.60	**BF 57 D80N4**
20	355	68.22	10800	1.70	**BFF 57 D80N4**
23	305	58.97	11100	1.95	
28	260	50.10	11300	2.3	
31	230	44.73	11400	2.6	
17	415	79.72	5060	0.95	**BFA 47 D80N4**
20	355	68.09	6520	1.15	**BFAF 47 D80N4**
21	340	65.36	6680	1.20	**BF 47 D80N4**
					BFF 47 D80N4
24	295	56.49	7120	1.35	
29	250	48.00	7470	1.60	**BFA 47 D80N4**
32	220	42.86	7640	1.80	**BFAF 47 D80N4**
38	190	36.61	7820	2.1	**BF 47 D80N4**
40	178	34.29	7850	2.2	**BFF 47 D80N4**
48	150	28.88	7540	2.7	
29	245	47.02	3530	0.80	
31	230	43.83	3850	0.90	**BFA 37 D80N4**
36	199	38.31	4310	1.00	**BFAF 37 D80N4**
38	186	35.91	4480	1.05	**BF 37 D80N4**
44	165	31.69	4620	1.20	**BFF 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	**BFA 37 D80N4**
125	58	11.08	3730	3.3	**BFAF 37 D80N4**
132	54	10.42	3680	3.4	**BF 37 D80N4**
154	47	8.97	3540	3.8	**BFF 37 D80N4**
205	35	6.74	3250	4.0	
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					
0.50	18200	2780	99800	1.00	**BFA 157 R97 D90S4** **BFAF 157 R97 D90S4** **BF 157 R97 D90S4** **BFF 157 R97 D90S4**
0.58	16000	2427	105800	1.15	
0.64	14300	2185	109700	1.25	
0.72	12700	1944	112900	1.40	
0.84	11200	1674	115500	1.60	**BFA 157 R97 D90S4**
1.1	8640	1308	119000	2.1	**BFAF 157 R97 D90S4**
1.2	7680	1169	120000	2.3	**BF 157 R97 D90S4**
1.5	6190	953	120000	2.9	**BFF 157 R97 D90S4**
1.7	5450	845	120000	3.3	
3.1	2880	446	120000	6.2	
4.6	1950	302	120000	9.2	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
0.69	13800	2038	87000	0.85	
0.79	12000	1784	90000	1.00	**BFA 127 R77 D90S4**
0.87	10800	1606	90000	1.10	**BFAF 127 R77 D90S4**
1.0	9350	1390	90000	1.30	**BF 127 R77 D90S4**
1.1	8170	1220	90000	1.45	**BFF 127 R77 D90S4**
1.3	7260	1077	90000	1.65	
1.1	8360	1243	48000	0.90	
1.3	7370	1087	50600	1.05	**BFA 107 R77 D90S4**
1.5	6390	950	53100	1.20	**BFAF 107 R77 D90S4**
1.7	5590	834	55000	1.35	**BF 107 R77 D90S4**
1.9	4910	736	56500	1.55	**BFF 107 R77 D90S4**
2.2	4310	640	57800	1.80	
2.0	4670	690	27800	0.90	
2.3	4100	605	30500	1.05	**BFA 97 R57 D90S4**
2.7	3580	529	31900	1.20	**BFAF 97 R57 D90S4**
3.0	3160	467	32900	1.35	**BF 97 R57 D90S4**
3.5	2730	406	33900	1.55	**BFF 97 R57 D90S4**
3.8	2450	363	34500	1.75	
3.1	3070	452	16900	1.00	**BFA 87 R57 D90S4**
4.1	2330	345	25400	1.30	**BFAF 87 R57 D90S4**
4.7	2020	300	26400	1.50	**BF 87 R57 D90S4**
5.6	1670	249	27400	1.80	**BFF 87 R57 D90S4**
2.7	3930	254.40	58600	1.95	**BFA 107 D100L8**
3.2	3330	215.37	59800	2.3	**BFAF 107 D100L8**
3.4	3080	199.31	60200	2.5	**BF 107 D100L8**
3.8	2760	178.64	60800	2.8	**BFF 107 D100L8**
3.3	3160	276.77	32900	1.35	**BFA 97 D90L6**
3.6	2890	253.41	33600	1.50	**BFAF 97 D90L6**
4.1	2560	223.88	34300	1.70	**BF 97 D90L6**
4.8	2170	189.92	35100	2.0	**BFF 97 D90L6**
5.3	2000	174.87	35400	2.2	
5.1	2080	276.77	35200	2.1	**BFA 97 D90S4**
5.5	1900	253.41	35600	2.3	**BFAF 97 D90S4**
6.2	1680	223.88	36000	2.6	**BF 97 D90S4**
					BFF 97 D90S4
3.4	3090	270.68	16000	0.95	
3.6	2920	255.37	22700	1.05	**BFA 87 D90L6**
4.0	2610	228.93	24400	1.15	**BFAF 87 D90L6**
4.7	2250	197.20	25700	1.35	**BF 87 D90L6**
5.1	2050	179.97	26300	1.45	**BFF 87 D90L6**
5.8	1820	159.61	27000	1.65	
5.2	2030	270.68	26300	1.50	**BFA 87 D90S4**
5.5	1920	255.37	26700	1.55	**BFAF 87 D90S4**
6.1	1720	228.93	27200	1.75	**BF 87 D90S4**
7.1	1480	197.20	27900	2.0	**BFF 87 D90S4**
7.8	1350	179.97	28200	2.2	**BFA 87 D90S4**
8.8	1200	159.61	28500	2.5	**BFAF 87 D90S4**
10	1010	134.16	29000	3.0	**BF 87 D90S4**
11	930	123.29	29100	3.2	**BFF 87 D90S4**
7.1	1490	198.31	15800	1.00	**BFA 77 D90S4**
7.4	1410	188.40	16300	1.05	**BFAF 77 D90S4**
8.4	1250	166.47	17200	1.20	**BF 77 D90S4**
9.8	1070	142.27	18000	1.40	**BFF 77 D90S4**
11	980	130.42	18400	1.55	
12	860	114.45	18800	1.75	**BFA 77 D90S4**
13	810	108.46	18900	1.85	**BFAF 77 D90S4**
15	710	94.93	19200	2.1	**BF 77 D90S4**
16	640	85.52	19400	2.3	**BFF 77 D90S4**
19	565	75.02	19600	2.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
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	**BFA 67 D90S4**
21	510	67.65	12400	1.60	**BFAF 67 D90S4**
23	460	61.07	12600	1.80	**BF 67 D90S4**
26	405	53.73	12800	2.0	**BFF 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	**BFA 57 D90S4**
24	440	58.97	10300	1.35	**BFAF 57 D90S4**
28	375	50.10	10700	1.60	**BF 57 D90S4**
31	335	44.73	10700	1.80	**BFF 57 D90S4**
37	285	38.21	10400	2.1	
39	270	35.79	10200	2.2	
46	225	30.15	9810	2.6	
25	425	56.49	3730	0.95	**BFA 47 D90S4** **BFAF 47 D90S4** **BF 47 D90S4** **BFF 47 D90S4**
29	360	48.00	6440	1.10	
33	320	42.86	6860	1.25	**BFA 47 D90S4**
38	275	36.61	7280	1.45	**BFAF 47 D90S4**
41	255	34.29	7260	1.55	**BF 47 D90S4**
48	215	28.88	7040	1.85	**BFF 47 D90S4**
45	230	30.86	7130	1.75	**BFA 47 D90S4**
48	220	29.32	7060	1.80	**BFAF 47 D90S4**
54	193	25.72	6880	2.1	**BF 47 D90S4**
64	164	21.82	6640	2.4	**BFF 47 D90S4**
71	148	19.70	6490	2.7	
44	240	31.69	3660	0.85	**BFA 37 D90S4**
50	210	28.09	3970	0.95	**BFAF 37 D90S4**
59	179	23.88	3930	1.10	**BF 37 D90S4** **BFF 37 D90S4**
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	**BFA 37 D90S4**
134	78	10.42	3460	2.4	**BFAF 37 D90S4**
156	67	8.97	3350	2.6	**BF 37 D90S4**
175	60	8.01	3260	2.8	**BFF 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					
0.58	21900	2427	86400	0.80	
0.65	19700	2185	95000	0.90	
0.73	17500	1944	101700	1.05	**BFA 157 R97 D90L4**
0.84	15300	1674	107400	1.20	**BFAF 157 R97 D90L4**
1.1	11944	1308	114400	1.50	**BF 157 R97 D90L4**
1.2	10600	1169	116400	1.70	**BFF 157 R97 D90L4**
1.5	8540	953	119100	2.1	
1.7	7530	845	120000	2.4	
3.2	3980	446	120000	4.5	
4.7	2690	302	120000	6.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
0.88	14800	1606	85000	0.80	
1.0	12800	1390	89000	0.95	
1.2	11200	1220	90000	1.05	BFA 127 R77 D90L4
1.3	9910	1077	90000	1.20	BFAF 127 R77 D90L4
1.5	8520	930	90000	1.40	BF 127 R77 D90L4
1.7	7500	820	90000	1.60	BFF 127 R77 D90L4
1.9	6630	727	90000	1.80	
2.2	5960	648	90000	2.0	
1.5	8730	950	46900	0.90	
1.7	7640	834	49900	1.00	
1.9	6730	736	52300	1.15	BFA 107 R77 D90L4
2.2	5890	640	54300	1.30	BFAF 107 R77 D90L4
2.5	5110	560	56100	1.50	BF 107 R77 D90L4
2.9	4460	489	57500	1.70	BFF 107 R77 D90L4
3.2	4010	436	58400	1.90	
3.8	3400	370	59600	2.3	
2.7	4880	529	19800	0.90	BFA 97 R57 D90L4
3.0	4310	467	29900	1.00	BFAF 97 R57 D90L4
3.5	3730	406	31500	1.15	BF 97 R57 D90L4
3.9	3340	363	32500	1.30	BFF 97 R57 D90L4
4.1	3180	345	11100	0.95	BFA 87 R57 D90L4
4.7	2760	300	23900	1.10	BFAF 87 R57 D90L4
5.7	2290	249	25500	1.30	BF 87 R57 D90L4
					BFF 87 R57 D90L4
2.8	5210	254.40	55900	1.50	BFA 107 D112M8
3.2	4410	215.37	57600	1.75	BFAF 107 D112M8
3.5	4080	199.31	58300	1.90	BF 107 D112M8
3.9	3660	178.64	59100	2.1	BFF 107 D112M8
3.6	3960	254.40	58500	1.95	BFA 107 D100M6
4.3	3350	215.37	59700	2.3	BFAF 107 D100M6
4.6	3100	199.31	60200	2.5	BF 107 D100M6
5.2	2780	178.64	60800	2.8	BFF 107 D100M6
3.3	4310	276.77	29900	1.00	
3.6	3950	253.41	30900	1.10	BFA 97 D100M6
4.1	3490	223.88	32100	1.25	BFAF 97 D100M6
4.8	2960	189.92	33400	1.45	BF 97 D100M6
5.3	2720	174.87	33900	1.60	BFF 97 D100M6
5.1	2810	276.77	33700	1.55	
5.6	2570	253.41	34300	1.65	BFA 97 D90L4
6.3	2270	223.88	34900	1.90	BFAF 97 D90L4
7.4	1930	189.92	35500	2.2	BF 97 D90L4
8.1	1780	174.87	35800	2.4	BFF 97 D90L4
5.2	2750	270.68	23900	1.10	BFA 87 D90L4
5.5	2590	255.37	24500	1.15	BFAF 87 D90L4
6.2	2330	228.93	24600	1.30	BF 87 D90L4
7.2	2000	197.20		1.50	BFF 87 D90L4
7.8	1830	179.97	26900	1.65	
8.8	1620	159.61	27500	1.85	BFA 87 D90L4
11	1360	134.16	28200	2.2	BFAF 87 D90L4
13	1110	109.49	28700	2.7	BF 87 D90L4
14	990	97.89	29000	3.0	BFF 87 D90L4
8.5	1690	166.47	14300	0.90	BFA 77 D90L4
9.9	1450	142.27	16100	1.05	BFAF 77 D90L4
11	1320	130.42	16800	1.15	BF 77 D90L4
12	1160	114.45	17600	1.30	BFF 77 D90L4
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	BFA 77 D90L4
19	735	72.50	19200	2.0	BFAF 77 D90L4
21	675	66.46	19300	2.2	BF 77 D90L4
24	595	58.32	19500	2.5	BFF 77 D90L4
26	560	55.27	19600	2.7	
29	490	48.37	19700	3.0	
32	445	43.58	19800	3.4	
37	390	38.23	19900	3.9	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
39	370	36.58	19900	3.0	BFA 77 D90L4
45	320	31.51	20000	4.3	BFAF 77 D90L4
					BF 77 D90L4
					BFF 77 D90L4
16	920	90.59	9300	0.90	
18	810	79.76	10400	1.00	
21	685	67.65	11400	1.20	BFA 67 D90L4
23	620	61.07	11800	1.30	BFAF 67 D90L4
26	545	53.73	12200	1.50	BF 67 D90L4
28	515	50.74	12300	1.60	BFF 67 D90L4
33	440	43.20	12700	1.85	
36	400	39.26	12800	1.95	
39	370	36.30	12900	2.2	BFA 67 D90L4
44	325	32.08	13000	2.5	BFAF 67 D90L4
51	280	27.41	13000	2.9	BF 67 D90L4
56	255	25.13	13000	3.2	BFF 67 D90L4
24	600	58.97	9210	1.00	
28	510	50.10	9860	1.20	BFA 57 D90L4
32	455	44.73	9990	1.30	BFAF 57 D90L4
37	390	38.21	9740	1.55	BF 57 D90L4
39	365	35.79	9620	1.65	BFF 57 D90L4
47	305	30.15	9310	1.95	
33	435	42.86	575	0.90	BFA 47 D90L4
39	370	36.61	6300	1.10	BFAF 47 D90L4
41	350	34.29	6580	1.15	BF 47 D90L4
49	295	28.88	6500	1.35	BFF 47 D90L4
46	315	30.86	6550	1.30	
48	300	29.32	6510	1.35	
55	260	25.72	6390	1.55	BFA 47 D90L4
65	220	21.82	6230	1.80	BFAF 47 D90L4
72	200	19.70	6110	2.0	BF 47 D90L4
81	176	17.33	5970	2.3	BFF 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	BFA 37 D90L4
135	106	10.42	3220	1.75	BFAF 37 D90L4
157	91	8.97	3140	1.90	BF 37 D90L4
176	81	8.01	3080	2.1	BFF 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					
0.98	18900	1441	97500	0.95	BFA 157 R97 D100M4
					BFAF 157 R97 D100M4
					BF 157 R97 D100M4
					BFF 157 R97 D100M4
1.1	17600	1308	101400	1.00	
1.2	15700	1169	106500	1.15	
1.5	12700	953	112800	1.40	
1.7	11200	845	115400	1.60	
1.9	10100	764	117100	1.80	BFA 157 R97 D100M4
2.1	9020	680	118600	2.0	BFAF 157 R97 D100M4
2.5	7610	576	120000	2.4	BF 157 R97 D100M4
3.2	5940	446	120000	3.0	BFF 157 R97 D100M4
4.7	4020	302	120000	4.5	
5.2	3630	273	120000	5.0	
6.1	3060	232	120000	5.9	
7.2	2590	197	120000	6.9	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
1.3	14600	1077	85300	0.80	
1.5	12600	930	89300	0.95	
1.7	11100	820	90000	1.10	BFA 127 R77 D100M4
1.9	9830	727	90000	1.20	BFAF 127 R77 D100M4
2.2	8810	648	90000	1.35	BF 127 R77 D100M4
2.6	7460	549	90000	1.60	BFF 127 R77 D100M4
2.8	6720	495	90000	1.80	
3.3	5810	428	90000	2.1	
2.2	8700	640	47000	0.90	
2.5	7580	560	50100	1.00	BFA 107 R77 D100M4
2.9	6610	489	52500	1.15	BFAF 107 R77 D100M4
3.2	5930	436	54200	1.30	BF 107 R77 D100M4
3.8	5030	370	56300	1.55	BFF 107 R77 D100M4
4.2	4520	333	57300	1.70	
3.9	4940	363	16500	0.85	BFA 97 R57 D100M4
4.9	3890	285	31100	1.10	BFAF 97 R57 D100M4
5.8	3340	245	32500	1.30	BF 97 R57 D100M4
					BFF 97 R57 D100M4
2.8	7640	254.40	49900	1.00	BFA 107 D132S8
3.2	6460	215.37	52900	1.20	BFAF 107 D132S8
3.5	5980	199.31	54100	1.30	BF 107 D132S8
3.9	5360	178.64	55500	1.45	BFF 107 D132S8
3.7	5690	254.40	54800	1.35	BFA 107 D112M6
4.4	4810	215.37	56700	1.60	BFAF 107 D112M6
4.7	4450	199.31	57500	1.70	BF 107 D112M6
5.3	3990	178.64	58400	1.90	BFF 107 D112M6
5.5	3790	254.40	58900	2.0	BFA 107 D100M4
6.6	3210	215.37	60000	2.4	BFAF 107 D100M4
7.1	2970	199.31	60400	2.6	BF 107 D100M4
7.9	2660	178.64	61000	2.9	BFF 107 D100M4
4.2	5000	223.88	12400	0.85	BFA 97 D112M6
4.9	4240	189.92	30100	1.00	BFAF 97 D112M6
5.4	3910	174.87	31000	1.10	BF 97 D112M6
6.0	3490	156.30	32100	1.25	BFF 97 D112M6
5.1	4120	276.77	30400	1.05	
5.6	3780	253.41	31400	1.15	
6.3	3340	223.88	32500	1.30	BFA 97 D100M4
7.4	2830	189.92	33700	1.50	BFAF 97 D100M4
8.1	2610	174.87	34200	1.65	BF 97 D100M4
9.0	2330	156.30	34800	1.85	BFF 97 D100M4
10	2100	140.71	35200	2.0	
11	1900	127.42	35600	2.3	
7.2	2940	197.20	22000	1.00	BFA 87 D100M4
7.8	2680	179.97	24200	1.10	BFAF 87 D100M4
8.8	2380	159.61	25200	1.25	BF 87 D100M4
11	2000	134.16	26400	1.50	BFF 87 D100M4
11	1840	123.29	26900	1.65	
13	1630	109.49	27500	1.85	
14	1460	97.89	27900	2.1	BFA 87 D100M4
16	1310	88.01	28300	2.3	BFAF 87 D100M4
18	1140	76.39	27800	2.6	BF 87 D100M4
21	1020	68.40	27100	2.9	BFF 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	BFA 77 D100M4
13	1620	108.46	14900	0.95	BFAF 77 D100M4
15	1410	94.93	16300	1.05	BF 77 D100M4
16	1270	85.52	17100	1.20	BFF 77 D100M4
19	1120	75.02	17800	1.35	
21	990	66.46	18300	1.50	BFA 77 D100M4
24	870	58.32	18800	1.75	BFAF 77 D100M4
26	820	55.27	18900	1.80	BF 77 D100M4
29	720	48.37	19200	2.1	BFF 77 D100M4
32	650	43.58	19400	2.3	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
39	545	36.58	19600	2.0	BFA 77 D100M4
45	470	31.51	19700	2.9	BFAF 77 D100M4
49	430	28.75	19800	3.3	BF 77 D100M4
55	380	25.50	19900	4.0	BFF 77 D100M4
23	910	61.07	9420	0.90	
26	800	53.73	10500	1.00	BFA 67 D100M4
28	755	50.74	10800	1.10	BFAF 67 D100M4
33	645	43.20	11600	1.25	BF 67 D100M4
36	585	39.26	12000	1.35	BFF 67 D100M4
41	505	34.01	12400	1.45	
44	480	32.08	12500	1.70	
51	410	27.41	12800	2.0	BFA 67 D100M4
56	375	25.13	12900	2.2	BFAF 67 D100M4
64	330	22.05	13000	2.5	BF 67 D100M4
67	310	20.90	13000	2.6	BFF 67 D100M4
77	275	18.29	13000	3.0	
32	665	44.73	4480	0.90	BFA 57 D100M4
37	570	38.21	8660	1.05	BFAF 57 D100M4
39	535	35.79	8620	1.15	BF 57 D100M4
47	450	30.15	8460	1.30	BFF 57 D100M4
56	370	24.96	8240	1.55	
67	315	21.17	8020	1.90	BFA 57 D100M4
74	285	19.11	7870	2.1	BFAF 57 D100M4
84	250	16.81	7670	2.4	BF 57 D100M4
89	235	15.88	7580	2.5	BFF 57 D100M4
55	385	25.72	5560	1.05	
65	325	21.82	5520	1.25	
72	295	19.70	5480	1.35	BFA 47 D100M4
81	260	17.33	5410	1.55	BFAF 47 D100M4
86	245	16.36	5370	1.65	BF 47 D100M4
101	210	13.93	5250	1.95	BFF 47 D100M4
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	BFA 37 D100M4
176	119	8.01	2770	1.40	BFAF 37 D100M4
209	100	6.74	2630	1.40	BF 37 D100M4
233	90	6.05	2590	1.50	BFF 37 D100M4
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					
1.2	21700	11.69	87200	0.85	
1.5	17600	953	101300	1.00	
1.7	15600	845	106700	1.15	
1.8	14100	764	110100	1.30	BFA 157 R97 D100L4
2.1	12500	680	113200	1.45	BFAF 157 R97 D100L4
2.4	10600	576	116400	1.70	BF 157 R97 D100L4
3.1	8250	446	119500	2.2	BFF 157 R97 D100L4
4.6	5580	302	120000	3.2	
5.1	5040	273	120000	3.6	
6.1	4250	232	120000	4.2	
7.1	3610	197	120000	5.0	
1.9	13600	727	87400	0.90	BFA 127 R77 D100L4
2.2	12200	648	90000	1.00	BFAF 127 R77 D100L4
2.5	10300	549	90000	1.15	BF 127 R77 D100L4
2.8	9270	495	90000	1.30	BFF 127 R77 D100L4
3.2	8170	436	48500	0.95	BFA 107 R77 D100L4
3.8	6930	370	51800	1.10	BFAF 107 R77 D100L4
4.2	6240	333	53500	1.25	BF 107 R77 D100L4
4.8	5460	291	55300	1.40	BFF 107 R77 D100L4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
3.0kW							
3.7	7750	245.40	49600	1.00	BFA	107	D132S6
4.4	6560	215.37	52700	1.15	BFAF	107	D132S6
4.7	6070	199.31	53900	1.25	BF	107	D132S6
5.3	5440	178.64	55300	1.40	BFF	107	D132S6
5.5	5210	254.40	55900	1.50			
6.5	4410	215.37	57600	1.75	BFA	107	D100L4
7.0	4080	199.31	58300	1.90	BFAF	107	D100L4
7.8	3660	178.64	59100	2.1	BF	107	D100L4
8.7	3300	161.28	59800	2.3	BFF	107	D100L4
6.2	4580	223.88	29000	0.95			
7.4	3890	189.92	31100	1.10	BFA	97	D100L4
8.0	3580	174.87	31900	1.20	BFAF	97	D100L4
					BF	97	D100L4
					BFF	97	D100L4
9.0	3200	156.30	32800	1.35			
9.9	2880	140.71	33600	1.50	BFA	97	D100L4
11	2610	127.42	34200	1.65	BFAF	97	D100L4
12	2310	112.99	34800	1.85	BF	97	D100L4
14	2090	102.16	35200	2.1	BFF	97	D100L4
16	1840	89.85	35700	2.3			
10	2750	134.16	23900	1.10			
11	2520	123.29	24700	1.20	BFA	87	D100L4
13	2240	109.49	25700	1.35	BFAF	87	D100L4
					BF	87	D100L4
					BFF	87	D100L4
14	2000	97.89	26400	1.50			
16	1800	88.01	26900	1.65	BFA	87	D100L4
18	1560	76.39	26300	1.90	BFAF	87	D100L4
20	1400	68.40	25700	2.1	BF	87	D100L4
25	1160	56.75	24800	2.6	BFF	87	D100L4
28	1030	50.36	24100	2.8			
16	1750	85.52	13800	0.85	BFA	77	D100L4
19	1540	75.02	15500	1.00	BFAF	77	D100L4
21	1360	66.46	16600	1.10	BF	77	D100L4
24	1190	58.32	17500	1.25	BFF	77	D100L4
25	1130	55.27	17800	1.35	BFA	77	D100L4
29	990	48.37	18300	1.50	BFAF	77	D100L4
32	890	43.58	18700	1.70	BF	77	D100L4
37	780	38.23	19000	1.90	BFF	77	D100L4
38	750	36.58	19100	1.50			
44	645	31.51	19400	2.1	BFA	77	D100L4
49	590	28.75	19500	2.4	BFAF	77	D100L4
55	520	25.50	19700	2.9	BF	77	D100L4
65	440	21.43	19800	3.4	BFF	77	D100L4
32	880	43.20	9690	0.95			
36	800	39.26	10500	0.95	BFA	67	D100L4
41	695	34.01	11300	1.05	BFAF	67	D100L4
					BF	67	D100L4
					BFF	67	D100L4
44	655	32.08	11600	1.25			
51	560	27.41	12100	1.45			
56	515	25.13	12300	1.60	BFA	67	D100L4
63	450	22.05	12600	1.80	BFAF	67	D100L4
67	430	20.90	12700	1.90	BF	67	D100L4
77	375	18.29	12900	2.2	BFF	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	BFA	57	D100L4
83	345	16.81	7140	1.75	BFAF	57	D100L4
88	325	15.88	7080	1.85	BF	57	D100L4
104	275	13.52	6890	2.2	BFF	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			
86	335	16.36	4760	1.20	BFA	47	D100L4
100	285	13.93	4740	1.40			
111	260	12.66	4700	1.55			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
3.0kW							
128	225	10.97	4640	1.80	BFA	47	D100L4
156	183	8.96	4370	1.80	BFAF	47	D100L4
					BF	47	D100L4
					BFF	47	D100L4
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	BFA	37	D100L4
208	138	6.74	2290	1.00	BFAF	37	D100L4
231	124	6.05	2300	1.10	BF	37	D100L4
269	107	5.21	2290	1.15	BFF	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							
1.7	20600	845	91500	0.85			
1.9	18600	764	98300	0.95			
2.1	16600	680	104200	1.10	BFA	157 R97	D112M4
2.5	14000	576	110300	1.30	BFAF	157 R97	D112M4
3.2	10900	446	115900	1.65	BF	157 R97	D112M4
4.7	7390	302	120000	2.4	BFF	157 R97	D112M4
5.2	6670	273	120000	2.7			
6.1	5640	232	120000	3.2			
7.2	4780	197	120000	3.8			
2.6	13600	549	87400	0.90	BFA	127 R77	D112M4
2.9	12200	495	90000	1.00	BFAF	127 R77	D112M4
3.3	10600	428	90000	1.15	BF	127 R77	D112M4
3.8	9270	376	90000	1.30	BFF	127 R77	D112M4
4.3	8230	333	48300	0.95	BFA	107 R77	D112M4
4.9	7190	291	51100	1.05	BFAF	107 R77	D112M4
5.6	6310	255	53300	1.20	BF	107 R77	D112M4
					BFF	107 R77	D112M4
4.2	9060	170.83	90000	1.30	BFA	127	D132ML8
4.7	8150	153.67	90000	1.45	BFAF	127	D132ML8
5.7	6650	125.37	90000	1.80	BF	127	D132ML8
					BFF	127	D132ML8
5.6	6840	254.40	52000	1.10			
6.6	5790	215.37	54500	1.35			
7.1	5360	199.31	55500	1.45	BFA	107	D112M4
7.9	4810	178.64	56700	1.60	BFAF	107	D112M4
8.8	4340	161.28	57700	1.75	BF	107	D112M4
9.7	3940	146.49	58500	1.95	BFF	107	D112M4
11	3500	129.97	59400	2.2			
12	3170	117.94	60100	2.4			
14	2730	101.38	60900	2.8			
8.1	4700	174.87	26600	0.90	BFA	97	D112M4
9.1	4200	156.30	30200	1.00	BFAF	97	D112M4
10	3780	140.71	31400	1.15	BF	97	D112M4
11	3430	127.42	32300	1.25	BFF	97	D112M4
13	3040	112.99	33200	1.40			
14	2750	102.16	33900	1.55	BFA	97	D112M4
15	2620	97.58	34100	1.65	BFAF	97	D112M4
16	2420	89.85	34600	1.80	BF	97	D112M4
18	2160	80.31	35100	2.0	BFF	97	D112M4
20	1940	72.29	35500	2.2			
22	1760	65.47	35800	2.4			
13	2950	109.49	21700	1.00	BFA	87	D112M4
15	2630	97.89	24300	1.15	BFAF	87	D112M4
16	2370	88.01	24600	1.25	BF	87	D112M4
					BFF	87	D112M4
19	2050	76.39	24200	1.45	BFA	87	D112M4
21	1840	68.40	23900	1.65	BFAF	87	D112M4
25	1530	56.75	23200	1.95	BF	87	D112M4
28	1350	50.36	22800	2.2	BFF	87	D112M4
31	1220	45.28	22300	2.3			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
4.0kW							
21	1790	66.46	13400	0.85	BFA	77	D112M4
24	1570	58.32	15200	0.95	BFAF	77	D112M4
26	1490	55.27	15800	1.00	BF	77	D112M4
29	1300	48.37	16900	1.15	BFF	77	D112M4
33	1170	43.58	17600	1.30	BFA	77	D112M4
37	1030	38.23	18200	1.45	BFAF	77	D112M4
42	910	33.74	18600	1.65	BF	77	D112M4
47	800	29.91	19000	1.85	BFF	77	D112M4
56	685	25.54	19300	2.1			
45	850	31.51	18800	1.65			
49	775	28.75	19100	1.85	BFA	77	D112M4
56	685	25.50	19300	2.2	BFA	77	D112M4
66	575	21.43	19500	2.6	BF	77	D112M4
72	530	19.70	19600	2.8	BFF	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	BFA	67	D112M4
126	305	11.31	13000	2.7	BFAF	67	D112M4
147	260	9.66	13000	3.2	BF	67	D112M4
156	245	9.08	13000	2.2	BFF	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	BFA	57	D112M4
116	330	12.29	6270	1.80	BFAF	57	D112M4
133	285	10.64	6150	2.1	BF	57	D112M4
153	250	9.31	5850	1.70	BFF	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	2.6			
274	139	5.18	5250	3.0			
5.5kW							
2.5	19300	576	96300	0.95			
2.8	16800	503	103600	1.05			
3.2	15000	446	108200	1.20			
4.1	11800	353	114500	1.55	BFA	157 R97	D132S4
4.7	10100	302	117100	1.80	BFAF	157 R97	D132S4
5.2	9160	273	118400	1.95	BF	157 R97	D132S4
6.2	7750	232	120000	2.3	BFF	157 R97	D132S4
7.1	6750	202	120000	2.7			
7.3	6570	197	120000	2.7			
3.4	14000	418	86500	0.85			
3.8	12600	374	89400	0.95	BFA	127 R87	D132S4
4.6	10500	312	90000	1.15	BFAF	127 R87	D132S4
4.9	9840	293	90000	1.20	BF	127 R87	D132S4
5.5	8680	259	90000	1.40	BFF	127 R87	D132S4
6.4	7500	223	90000	1.60			
3.3	14500	428	85600	0.85	BFA	127 R77	D132S4
3.8	12700	376	89100	0.95	BFAF	127 R77	D132S4
					BF	127 R77	D132S4
					BFF	127 R77	D132S4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
5.5kW							
2.7	19800	267.43	94600	0.90			
3.3	16100	217.62	105500	1.10			
4.0	13200	178.20	111900	1.35			
4.4	12100	162.96	114000	1.50	BFA	157	D160M8
5.0	10500	141.80	116600	1.70	BFAF	157	D160M8
5.7	9260	125.14	118300	1.95	BF	157	D160M8
6.5	8030	108.49	119700	2.2	BFF	157	D160M8
7.4	7140	96.53	120000	2.5			
8.3	6350	85.80	120000	2.8			
9.1	5800	78.46	120000	3.1			
10	5050	68.28	120000	3.6			
4.2	12600	170.83	89200	0.95	BFA	127	D160M8
4.6	11400	153.67	90000	1.05	BFAF	127	D160M8
5.7	9270	125.37	90000	1.30	BF	127	D160M8
6.2	8460	114.34	90000	1.40	BFF	127	D160M8
6.6	7910	215.37	49200	0.95	BFA	107	D132S4
7.2	7320	199.31	50800	1.05	BFAF	107	D132S4
8.0	6560	178.64	52700	1.15	BF	107	D132S4
8.9	5920	161.28	54200	1.30	BFF	107	D132S4
9.8	5380	146.49	55500	1.45			
11	4770	129.97	56800	1.60	BFA	107	D132S4
12	4330	117.94	57700	1.75	BFAF	107	D132S4
14	3720	101.38	59000	2.1	BF	107	D132S4
15	3400	92.47	59600	2.3	BFF	107	D132S4
16	3250	88.49	59900	2.4			
17	3080	83.99	60200	2.5			
11	4680	127.42	27400	0.90	BFA	97	D132S4
13	4150	112.99	30300	1.05	BFAF	97	D132S4
14	3750	102.16	31400	1.15	BF	97	D132S4
					BFF	97	D132S4
15	3580	97.58	31900	1.20			
16	3300	89.85	32600	1.30			
17	3180	86.59	32900	1.35	BFA	97	D132S4
18	2950	80.31	33400	1.45	BFAF	97	D132S4
19	2780	75.63	33800	1.55	BF	97	D132S4
20	2660	72.29	34100	1.60	BFF	97	D132S4
22	2400	65.47	34600	1.80			
25	2130	58.06	34500	2.0			
27	1930	52.49	33900	2.2			
16	3230	88.01	5760	0.95	BFA	87	D132S4
19	2810	76.39	21200	1.05	BFAF	87	D132S4
21	2510	68.40	21200	1.20	BF	87	D132S4
25	2080	56.75	21000	1.45	BFF	87	D132S4
28	1850	50.36	20800	1.60			
32	1660	45.28	20500	1.70	BFA	87	D132S4
36	1440	39.30	20100	1.90	BFAF	87	D132S4
41	1290	35.19	19800	2.0	BF	87	D132S4
49	1070	29.20	19100	2.3	BFF	87	D132S4
42	1250	33.92	19700	2.1	BFA	87	D132S4
50	1060	28.78	19100	2.3	BFAF	87	D132S4
54	970	26.50	18800	3.1	BF	87	D132S4
60	870	23.68	18400	3.5	BFF	87	D132S4
30	1780	48.37	13500	0.85			
33	1600	43.58	15000	0.95	BFA	77	D132S4
37	1400	38.23	16300	1.05	BFAF	77	D132S4
42	1240	33.74	17300	1.20	BF	77	D132S4
48	1100	29.91	17900	1.35	BFF	77	D132S4
56	940	25.54	18500	1.55			
56	940	25.50	18500	1.60			
67	785	21.43	19000	1.90			
73	725	19.70	19200	2.1	BFA	77	D132S4
82	645	17.49	19400	2.3	BFAF	77	D132S4
91	575	15.64	19600	2.6	BF	77	D132S4
102	515	14.06	19300	2.9	BFF	77	D132S4
117	450	12.20	18600	3.3			

输出转速 Output speed n_a [1/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} [1] [N]	使用系数 Service factor f_s	型号 Model		
5.5kW							
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			
126	415	11.31	12800	1.95	BFA	67	D132S4
148	355	9.66	12900	2.3	BFAF	67	D132S4
158	335	9.08	12400	1.60	BF	67	D132S4
166	315	8.60	12300	1.80	BFF	67	D132S4
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	5480	1.05			
106	495	13.52	5530	1.20			
116	450	12.29	5530	1.35	BFA	57	D132S4
134	390	10.64	5510	1.55	BFAF	57	D132S4
175	300	8.19	5190	1.40	BF	57	D132S4
185	285	7.73	5160	1.50	BFF	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							
4.6	14300	312	85900	0.85			
4.9	13500	293	87600	0.90	BFA	127 R87	D132M4
5.5	11900	259	90000	1.00	BFAF	127 R87	D132M4
6.4	10300	223	90000	1.15	BF	127 R87	D132M4
7.2	9080	198	90000	1.30	BFF	127 R87	D132M4
3.3	21600	217.62	87600	0.85			
4.0	17700	178.20	101100	1.00			
4.4	16200	162.96	105200	1.10			
5.1	14100	141.80	110100	1.30			
5.8	12400	125.14	113300	1.45			
6.6	10800	108.49	116100	1.65	BFA	157	D160L8
7.5	9600	96.53	117800	1.85	BFAF	157	D160L8
8.4	8530	85.80	119200	2.1	BF	157	D160L8
9.2	7810	78.46	120000	2.3	BFF	157	D160L8
11	6790	68.28	120000	2.7			
12	5990	60.25	120000	3.0			
14	5200	52.24	120000	3.5			
15	4620	46.48	120000	3.9			
18	3980	40.06	120000	4.5			
3.6	20000	267.43	94000	0.90			
4.4	16200	217.62	105100	1.10			
5.4	13300	178.20	111700	1.35			
5.9	12200	162.96	113800	1.50			
6.8	10600	141.80	116400	1.70	BFA	157	D160M6
7.7	9340	125.14	118200	1.95	BFAF	157	D160M6
8.9	8090	108.49	119700	2.2	BF	157	D160M6
9.9	7200	96.53	120000	2.5	BFF	157	D160M6
11	6400	85.80	120000	2.8			
12	5850	78.46	120000	3.1			
14	5090	68.28	120000	3.5			
16	4500	60.25	120000	4.0			
18	3900	52.24	193000	4.6			
5.7	12500	125.37	89500	0.95	BFA	127	D160L8
6.3	11400	114.34	90000	1.05	BFAF	127	D160L8
7.3	9840	98.95	90000	1.20	BF	127	D160L8
8.2	8690	87.31	90000	1.40	BFF	127	D160L8
5.6	12700	170.83	89000	0.95	BFA	127	D160M6
6.2	11500	153.67	90000	1.05	BFAF	127	D160M6
7.7	9350	125.37	90000	1.30	BF	127	D160M6
8.4	8530	114.34	90000	1.40	BFF	127	D160M6

输出转速 Output speed n_a [1/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} [1] [N]	使用系数 Service factor f_s	型号 Model		
7.5kW							
8.4	8560	170.83	90000	1.40	BFA	127	D132M4
9.3	7700	153.67	90000	1.55	BFAF	127	D132M4
11	6280	125.37	90000	1.90	BF	127	D132M4
					BFF	127	D132M4
8.0	8950	178.64	46300	0.85	BFA	107	D132M4
8.9	8080	161.28	48700	0.95	BFAF	107	D132M4
9.8	7340	146.49	50700	1.05	BF	107	D132M4
11	6510	129.97	52800	1.20	BFF	107	D132M4
12	5910	117.94	54200	1.30			
14	5080	101.38	56100	1.50	BFA	107	D132M4
15	4630	92.47	57100	1.65	BFAF	107	D132M4
16	4430	88.49	57500	1.75	BF	107	D132M4
17	4210	83.99	58000	1.85	BFF	107	D132M4
19	3730	74.52	59000	2.1			
21	3390	67.62	59600	2.3			
15	4890	97.58	19300	0.90			
16	4500	89.85	29300	0.95	BFA	97	D132M4
17	4340	86.59	29800	1.00	BFAF	97	D132M4
18	4020	80.31	30700	1.05	BF	97	D132M4
19	3790	75.63	31300	1.15	BFF	97	D132M4
20	3620	72.29	31800	1.20			
22	3280	65.47	32200	1.30			
25	2910	58.06	31800	1.50	BFA	97	D132M4
27	2630	52.49	31400	1.65	BFAF	97	D132M4
32	2230	44.49	30600	1.95	BF	97	D132M4
37	1950	38.86	29900	2.2	BFF	97	D132M4
44	1630	32.50	28900	2.6			
33	2170	43.28	30500	1.40	BFA	97	D132M4
39	1840	36.64	29600	1.65	BFAF	97	D132M4
42	1700	33.91	29200	2.5	BF	97	D132M4
47	1520	30.39	28500	2.8	BFF	97	D132M4
25	2840	56.75	18100	1.05			
28	2520	50.36	18200	1.15	BFA	87	D132M4
32	2270	45.28	18200	1.25	BFAF	87	D132M4
36	1970	39.30	18100	1.40	BF	87	D132M4
41	1760	35.19	18000	1.50	BFF	87	D132M4
49	1460	29.20	17600	1.70			
50	1440	28.78	17600	1.70			
54	1330	26.50	17400	2.3	BFA	87	D132M4
60	1190	23.68	17100	2.5	BFAF	87	D132M4
67	1070	21.32	16800	2.8	BF	87	D132M4
74	970	19.31	16500	3.1	BFF	87	D132M4
84	860	17.12	16200	3.5			
92	775	15.48	15900	3.9			
42	1690	33.74	14300	0.90	BFA	77	D132M4
48	1500	29.91	15700	1.00	BFAF	77	D132M4
56	1280	25.54	17000	1.15	BF	77	D132M4
					BFF	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	BFA	77	D132M4
117	610	12.20	18000	2.5	BFAF	77	D132M4
131	545	10.93	17600	2.7	BF	77	D132M4
154	465	9.30	16500	2.3	BFF	77	D132M4
173	415	8.26	16100	2.6			
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			

输出转速 Output speed n_a [1/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} [1] [N]	使用系数 Service factor f_s	型号 Model		
9.2kW							
4.1	19700	353	94800	0.90			
4.8	16900	302	103300	1.05	BFA	157 R97	D132ML4
5.3	15300	273	107400	1.20	BFAF	157 R97	D132ML4
6.2	13000	232	112400	1.40	BF	157 R97	D132ML4
7.1	11300	202	115300	1.60	BFF	157 R97	D132ML4
7.3	11000	197	115800	1.65			
5.6	14500	259	85600	0.85	BFA	127 R87	D132ML4
6.4	12500	223	89400	0.95	BFAF	127 R87	D132ML4
7.3	11100	198	90000	1.10	BF	127 R87	D132ML4
					BFF	127 R87	D132ML4
8.4	10400	170.83	90000	1.15			
9.4	9380	153.67	90000	1.30	BFA	127	D132ML4
11	7650	125.37	90000	1.55	BFAF	127	D132ML4
13	6980	114.34	90000	1.70	BF	127	D132ML4
15	6040	98.95	90000	2.0	BFF	127	D132ML4
9.8	8940	146.49	46300	0.85	BFA	107	D132ML4
11	7930	129.97	49100	0.95	BFAF	107	D132ML4
12	7200	117.94	51100	1.05	BF	107	D132ML4
14	6180	101.38	53600	1.25	BFF	107	D132ML4
16	5640	92.47	54900	1.35			
17	5120	83.99	56000	1.50	BFA	107	D132ML4
19	4550	74.52	57300	1.70	BFAF	107	D132ML4
21	4130	67.62	58200	1.85	BF	107	D132ML4
25	3550	58.12	58300	2.2	BFF	107	D132ML4
28	3100	50.73	56800	2.5			
18	4900	80.31	18700	0.90			
19	4610	75.63	28900	0.95	BF	97	D132ML4
20	4410	72.29	29600	0.95	BFAF	97	D132ML4
22	3990	65.47	29600	1.10	BF	97	D132ML4
25	3540	58.06	29500	1.20	BFF	97	D132ML4
27	3200	52.49	29300	1.35	BFA	97	D132ML4
32	2710	44.49	28800	1.60	BFAF	97	D132ML4
37	2370	38.86	28400	1.80	BF	97	D132ML4
44	1980	32.50	27600	2.2	BFF	97	D132ML4
42	2070	33.91	27800	2.1	BFA	97	D132ML4
47	1850	30.39	27300	2.3	BFAF	97	D132ML4
52	1670	27.44	26800	2.6	BF	97	D132ML4
58	1520	24.92	26300	2.8	BFF	97	D132ML4
29	3070	50.36	16000	0.95			
32	2760	45.28	16200	1.00	BFA	87	D132ML4
37	2400	39.30	16400	1.15	BFAF	87	D132ML4
41	2150	35.19	16400	1.20	BF	87	D132ML4
49	1780	29.20	16300	1.40	BFF	87	D132ML4
54	1620	26.50	16200	1.85			
61	1440	23.68	16100	2.1			
68	1300	21.32	15900	2.3	BFA	87	D132ML4
75	1180	19.31	15700	2.5	BFAF	87	D132ML4
84	1040	17.12	15400	2.9	BF	87	D132ML4
93	940	15.48	15200	3.2	BFF	87	D132ML4
110	800	13.12	14700	3.8			

输出转速 Output speed n_a [1/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} [1] [N]	使用系数 Service factor f_s	型号 Model		
9.2kW							
73	1200	19.70	17400	1.25			
82	1070	17.49	18000	1.40			
92	950	15.64	18300	1.55			
102	860	14.06	18000	1.75			
118	745	12.20	17500	2.0	BFA	77	D132ML4
132	665	10.93	17100	2.2	BFAF	77	D132ML4
155	570	9.30	16000	1.90	BF	77	D132ML4
174	505	8.26	15600	2.1	BFF	77	D132ML4
195	450	7.39	15300	2.4			
217	405	6.64	15000	2.7			
250	350	5.76	14500	3.1			
279	315	5.16	14200	3.4			
336	260	4.28	13600	3.9			
11.0kW							
4.8	20300	302	92800	0.90			
5.3	18300	273	99300	1.00	BFA	157 R97	D160M4
6.2	15500	232	106900	1.15	BFAF	157 R97	D160M4
7.1	13500	202	111200	1.35	BF	157 R97	D160M4
7.3	13200	197	112000	1.35	BFF	157 R97	D160M4
6.4	15000	223	84500	0.80	BFA	127 R87	D160M4
7.3	13300	198	88000	0.90	BFAF	127 R87	D160M4
8.7	11100	166	90000	1.00	BF	127 R87	D160M4
					BFF	127 R87	D160M4
5.1	20700	141.80	91300	0.85	BFA	157	D180L8
5.8	18300	125.14	99500	1.00	BFAF	157	D180L8
6.6	15800	108.49	106100	1.15	BF	157	D180L8
7.5	14100	96.53	110100	1.30	BFF	157	D180L8
5.4	19500	178.20	95500	0.90			
5.9	17800	162.96	100800	1.00			
6.8	15500	141.80	106900	1.15	BFA	157	D160L6
7.7	13700	125.14	110900	1.30	BFAF	157	D160L6
8.9	11900	108.49	114300	1.50	BF	157	D160L6
9.9	10600	96.53	116400	1.70	BFF	157	D160L6
11	9390	85.80	118100	1.90			
12	8590	78.46	119100	2.1			
5.4	19500	267.43	95500	0.90			
6.6	15900	217.62	106000	1.15			
8.1	13000	178.20	112300	1.40			
8.8	11900	162.96	114300	1.50	BFA	157	D160M4
10	10300	141.80	116800	1.75	BFAF	157	D160M4
12	9130	125.14	118400	1.95	BF	157	D160M4
13	7910	108.49	119900	2.3	BFF	157	D160M4
15	7040	96.53	120000	2.6			
17	6260	85.80	118100	2.9			
18	5720	78.46	115700	3.1			
21	4980	68.28	112000	3.6			
7.7	13700	125.37	87100	0.85			
8.4	12500	114.34	89500	0.95	BFA	127	D160L6
9.7	10800	98.95	90000	1.10	BFAF	127	D160L6
11	9550	87.31	90000	1.25	BF	127	D160L6
13	8250	75.41	90000	1.45	BFF	127	D160L6
8.4	12500	170.83	89500	0.95			
9.4	11200	153.67	90000	1.05	BFA	127	D160M4
11	9150	125.37	90000	1.30	BFAF	127	D160M4
13	8340	114.34	90000	1.45	BF	127	D160M4
15	7220	98.95	90000	1.65	BFF	127	D160M4
16	6370	87.31	90000	1.90			
19	5500	75.41	88600	2.2			
12	8600	117.94	47300	0.90	BFA	107	D160M4
14	7400	101.38	50600	1.05	BFAF	107	D160M4
16	6750	92.47	52200	1.15	BF	107	D160M4
					BFF	107	D160M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
11.0kW					
17	6130	83.99	53700	1.25	**BFA 107 D160M4**
19	5440	74.52	55300	1.40	**BFAF 107 D160M4**
21	4930	67.62	56500	1.55	**BF 107 D160M4**
25	4240	58.12	56400	1.80	**BFF 107 D160M4**
28	3700	50.73	55100	2.1	
33	3140	43.03	53500	2.5	
43	2470	33.79	51000	3.0	**BFA 107 D160M4**
52	2010	27.57	48800	3.9	**BFAF 107 D160M4**
57	1830	25.14	47800	4.3	**BF 107 D160M4**
					BFF 107 D160M4
22	4780	65.47	24000	0.90	**BFA 97 D160M4**
25	4240	58.06	27100	1.00	**BFAF 97 D160M4**
27	3830	52.49	27100	1.10	**BF 97 D160M4**
					BFF 97 D160M4
32	3250	44.49	27000	1.30	**BFA 97 D160M4**
37	2830	38.86	26700	1.50	**BFAF 97 D160M4**
44	2370	32.50	26200	1.80	**BF 97 D160M4**
					BFF 97 D160M4
42	2470	33.91	26400	1.75	**BFA 97 D160M4**
47	2220	30.39	26000	1.95	**BFAF 97 D160M4**
52	2000	27.44	25600	2.2	**BF 97 D160M4**
58	1820	24.92	25200	2.4	**BFF 97 D160M4**
65	1610	22.11	24700	2.7	
37	2870	39.30	14600	0.95	**BFA 87 D160M4**
41	2570	35.19	14800	1.00	**BFAF 87 D160M4**
49	2130	29.20	15000	1.20	**BF 87 D160M4**
					BFF 87 D160M4
54	1930	26.50	15000	1.55	
61	1730	23.68	15000	1.75	**BFA 87 D160M4**
68	1560	21.32	14900	1.95	**BFAF 87 D160M4**
75	1410	19.31	14800	2.1	**BF 87 D160M4**
84	1250	17.12	14600	2.4	**BFF 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	**BFA 77 D160M4**
132	795	10.93	16700	1.90	**BFAF 77 D160M4**
155	680	9.30	15500	1.60	**BF 77 D160M4**
174	605	8.26	15200	1.80	**BFF 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					
6.3	20900	232	90400	0.85	**BFA 157 R97 D160L4**
7.2	18300	202	99500	1.00	**BFAF 157 R97 D160L4**
7.4	17700	197	101000	1.00	**BF 157 R97 D160L4**
					BFF 157 R97 D160L4
6.8	20900	141.80	90400	0.85	**BFA 157 D180L6**
7.8	18500	125.14	98800	0.95	**BFAF 157 D180L6**
8.9	16000	108.49	105700	1.10	**BF 157 D180L6**
10	14300	96.53	109800	1.25	**BFF 157 D180L6**
11	12700	85.80	112900	1.40	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
15.0kW					
6.7	21400	217.62	88800	0.85	
8.2	17500	178.20	101800	1.05	
9.0	16000	162.96	105700	1.15	
10	13900	141.80	110500	1.30	**BFA 157 D160L4**
12	12300	125.14	113600	1.45	**BFAF 157 D160L4**
13	10600	108.49	116300	1.70	**BF 157 D160L4**
15	9470	96.53	115800	1.90	**BFF 157 D160L4**
17	8420	85.80	113200	2.1	
19	7700	78.46	111200	2.3	
21	6700	68.28	108000	2.7	
24	5910	60.25	105100	3.0	
9.8	14600	98.95	85300	0.80	**BFA 127 D180L6**
11	12900	87.31	88700	0.95	**BFAF 127 D180L6**
13	11100	75.41	88300	1.10	**BF 127 D180L6**
14	10300	70.07	87600	1.15	**BFF 127 D180L6**
15	9440	63.91	86700	1.25	
12	12300	125.37	89000	1.00	
13	11200	114.34	88300	1.05	**BFA 127 D160L4**
15	9710	98.95	87000	1.25	**BFAF 127 D160L4**
17	8570	87.31	85600	1.40	**BF 127 D160L4**
19	7400	75.41	83800	1.60	**BFF 127 D160M4**
21	6870	70.07	82800	1.75	
16	9070	92.47	45900	0.85	**BFA 107 D160L4**
17	8680	88.49	47100	0.90	**BFAF 107 D160L4**
17	8240	83.99	48300	0.95	**BF 107 D160L4**
20	7310	74.52	50800	1.05	**BFF 107 D160L4**
22	6630	67.62	52500	1.15	
25	5700	58.12	52200	1.35	**BFA 107 D160L4**
29	4980	50.73	51500	1.55	**BFAF 107 D160L4**
34	4220	43.03	50400	1.80	**BF 107 D160L4**
39	3690	37.61	49300	2.1	**BFF 107 D160L4**
46	3120	31.80	48000	2.5	
43	3320	33.79	48500	2.2	**BFA 107 D160L4**
53	2700	27.57	46700	2.9	**BFAF 107 D160L4**
58	2470	25.14	45900	3.2	**BF 107 D160L4**
67	2130	21.76	44500	3.7	**BFF 107 D160L4**
33	4360	44.49	22900	1.00	**BFA 97 D160L4**
38	3810	38.86	23100	1.15	**BFAF 97 D160L4**
45	3190	32.50	23200	1.35	**BF 97 D160L4**
					BFF 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	**BFA 97 D160L4**
66	2170	22.11	22600	2.0	**BFAF 97 D160L4**
73	1970	20.07	22400	2.2	**BF 97 D160L4**
85	1690	17.25	21900	2.5	**BFF 97 D160L4**
97	1480	15.06	21400	2.9	
114	1250	12.77	20800	3.4	
131	1100	11.16	20200	3.7	
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	**BFA 87 D160L4**
111	1290	13.12	12700	2.3	**BFAF 87 D160L4**
127	1120	11.46	12600	2.7	**BF 87 D160L4**
152	940	9.58	12300	3.1	**BFF 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	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
18.5kW					
7.2	22500	202	76400	0.80	**BFA 157 R97 D180M4**
7.5	21800	197	86800	0.80	**BFAF 157 R97 D180M4**
					BF 157 R97 D180M4
					BFF 157 R97 D180M4
8.2	21500	178.20	88200	0.85	
9.0	19700	162.96	95000	0.90	
10	17100	141.80	102800	1.05	
12	15100	125.14	107900	1.20	**BFA 157 D180M4**
14	13100	108.49	112100	1.40	**BFAF 157 D180M4**
15	11600	96.53	111300	1.55	**BF 157 D180M4**
17	10300	85.80	109300	1.75	**BFF 157 D180M4**
19	9460	78.46	107600	1.90	
21	8230	68.28	104900	2.2	
24	7270	60.25	102300	2.5	
28	6300	52.24	99300	2.9	
13	13800	114.34	82200	0.85	
15	11900	98.95	81700	1.00	
17	10500	87.31	80900	1.15	**BFA 127 D180M4**
19	9090	75.41	79700	1.30	**BFAF 127 D180M4**
21	8450	70.07	79000	1.40	**BF 127 D180M4**
23	7710	63.91	78100	1.55	**BFF 127 D180M4**
26	6670	55.31	76400	1.80	
30	5880	48.80	74900	2.0	
20	8990	74.52	46200	0.85	**BFA 107 D180M4**
22	8150	67.62	48500	0.95	**BFAF 107 D180M4**
25	7010	58.12	48700	1.10	**BF 107 D180M4**
29	6120	50.73	48400	1.25	**BFF 107 D180M4**
34	5190	43.03	47700	1.50	**BFA 107 D180M4**
39	4540	37.61	47000	1.70	**BFAF 107 D180M4**
46	3830	31.80	46000	2.0	**BF 107 D180M4**
					BFF 107 D180M4
43	4070	33.79	46400	1.80	**BFA 107 D180M4**
53	3320	27.57	45000	2.4	**BFAF 107 D180M4**
58	3030	25.14	44300	2.6	**BF 107 D180M4**
67	2620	21.76	43200	3.0	**BFF 107 D180M4**
38	4690	38.86	20000	0.90	**BFA 97 D180M4**
45	3920	32.50	20600	1.10	**BFAF 97 D180M4**
					BF 97 D180M4
					BFF 97 D180M4
53	3310	27.44	20900	1.30	
59	3010	24.92	20900	1.45	
66	2670	22.11	20900	1.60	**BFA 97 D180M4**
73	2420	20.07	20800	1.80	**BFAF 97 D180M4**
85	2080	17.25	20500	2.1	**BF 97 D180M4**
97	1820	15.06	20200	2.4	**BFF 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	**BFA 87 D180M4**
128	1380	11.46	11600	2.2	**BFAF 87 D180M4**
153	1160	9.58	11500	2.5	**BF 87 D180M4**
177	1000	8.29	10900	1.55	**BFF 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	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
22kW					
10	20900	96.53	90500	0.85	**BFA 157 D200L6**
11	18600	85.80	98500	0.95	**BFAF 157 D200L6**
12	17000	78.46	103100	1.05	**BF 157 D200L6**
14	14800	68.28	107700	1.20	**BFF 157 D200L6**
10	20300	141.80	92600	0.90	
12	17900	125.14	100400	1.00	
14	15600	108.49	106800	1.15	
15	13800	96.53	106900	1.30	
17	12300	85.80	105400	1.45	**BFA 157 D180L4**
19	11300	78.46	104000	1.60	**BFAF 157 D180L4**
21	9790	68.28	101700	1.85	**BF 157 D180L4**
24	8640	60.25	99600	2.1	**BFF 157 D180L4**
28	7490	52.24	97000	2.4	
32	6660	46.48	94800	2.7	
37	5740	40.06	91900	3.1	
45	4670	32.55	97800	3.9	
15	14200	98.95	76400	0.85	
17	12500	87.31	76300	0.95	
19	10800	75.41	75700	1.10	**BFA 127 D180L4**
21	10000	70.07	75300	1.20	**BFAF 127 D180L4**
23	9160	63.91	74700	1.30	**BF 127 D180L4**
26	7930	55.31	73500	1.50	**BFF 127 D180L4**
30	7000	48.80	72300	1.70	
35	6040	42.15	70700	2.0	
25	8330	58.12	45200	0.90	**BFA 107 D180L4**
29	7280	50.73	45300	1.05	**BFAF 107 D180L4**
34	6170	43.03	45100	1.25	**BF 107 D180L4**
					BFF 107 D180L4
39	5390	37.61	44800	1.40	**BFA 107 D180L4**
46	4560	31.80	44100	1.70	**BFAF 107 D180L4**
					BF 107 D180L4
					BFF 107 D180L4
43	4850	33.79	44300	1.55	**BFA 107 D180L4**
53	3950	27.57	43300	2.0	**BFAF 107 D180L4**
58	3610	25.14	42800	2.2	**BF 107 D180L4**
67	3120	21.76	41900	2.5	**BFF 107 D180L4**
76	2750	19.20	41000	2.8	
53	3940	27.44	18700	1.10	
59	3570	24.92	18900	1.20	
66	3170	22.11	19100	1.35	**BFA 97 D180L4**
73	2880	20.07	19200	1.50	**BFAF 97 D180L4**
85	2470	17.25	19100	1.75	**BF 97 D180L4**
97	2160	15.06	19000	2.0	**BFF 97 D180L4**
115	1830	12.77	18700	2.3	
131	1600	11.16	18400	2.6	
69	3060	21.32	8990	1.00	
76	2770	19.31	9430	1.10	
86	2460	17.12	9850	1.20	
95	2220	15.48	10100	1.35	
112	1880	13.12	10400	1.60	**BFA 87 D180L4**
128	1640	11.46	10600	1.85	**BFAF 87 D180L4**
153	1370	9.58	10600	2.1	**BF 87 D180L4**
177	1190	8.29	10100	1.30	**BFF 87 D180L4**
199	1050	7.35	10100	1.45	
220	950	6.65	10000	1.60	
260	810	5.63	9900	1.90	
298	705	4.92	9750	2.2	
356	590	4.12	9500	2.5	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
30kW					
14	21100	108.49	89600	0.85	
15	18800	96.53	96900	0.95	
17	16700	85.80	96400	1.10	BFA 157 D200L4
19	15300	78.46	95800	1.20	BFAF 157 D200L4
22	13300	68.28	94600	1.35	BF 157 D200L4
24	11700	60.25	93300	1.55	BFF 157 D200L4
28	10200	52.24	91500	1.75	
32	9060	46.48	89900	2.0	
37	7810	40.06	87700	2.3	
19	14700	75.41	66600	0.80	
21	13700	70.07	66800	0.90	
23	12500	63.91	66900	0.95	BFA 127 D200L4
27	10800	55.31	66700	1.10	BFAF 127 D200L4
30	9510	48.80	66300	1.25	BF 127 D200L4
35	8210	42.15	65500	1.45	BFF 127 D200L4
39	7270	37.28	64700	1.65	
47	6110	31.33	63200	1.95	
58	4930	25.30	61200	2.4	
55	5240	26.86	61800	1.60	BFA 127 D200L4
60	4790	24.57	60900	1.80	BFAF 127 D200L4
69	4170	21.38	59400	2.9	BF 127 D200L4
78	3680	18.87	58000	3.0	BFF 127 D200L4
34	8390	43.03	39200	0.90	BFA 107 D200L4
39	7330	37.61	39600	1.05	BFAF 107 D200L4
46	6200	31.80	39700	1.25	BF 107 D200L4
					BFF 107 D200L4
53	5370	27.57	39500	1.45	
58	4900	25.14	39300	1.60	
68	4240	21.76	38800	1.85	BFA 107 D200L4
77	3730	19.20	38300	2.1	BFAF 107 D200L4
89	3230	16.58	37600	2.4	BF 107 D200L4
100	2860	14.67	36900	2.7	BFF 107 D200L4
119	2400	12.33	35900	2.9	
148	1940	9.96	34500	3.3	
66	4310	22.11	15100	1.00	
73	3910	20.07	15500	1.10	
85	3360	17.25	16000	1.30	
98	2930	15.06	16300	1.45	BFA 97 D200L4
115	2490	12.77	16400	1.75	BFAF 97 D200L4
132	2180	11.16	16400	1.90	BF 97 D200L4
162	1770	9.06	15400	1.35	BFF 97 D200L4
179	1600	8.22	15300	1.45	
208	1380	7.07	15100	1.70	
238	1200	6.17	14900	1.85	
281	1020	5.23	14600	2.1	
321	890	4.57	14300	2.3	
37kW					
17	20600	85.80	88600	0.85	
19	18900	78.46	88700	0.95	
22	16400	68.28	88400	1.10	BFA 157 D225S4
24	14500	60.25	87800	1.25	BFAF 157 D225S4
28	12600	52.24	86800	1.45	BF 157 D225S4
32	11200	46.48	85700	1.60	BFF 157 D225S4
37	9630	40.06	84000	1.85	
45	7820	32.55	81400	2.3	
53	6630	27.60	79100	2.7	

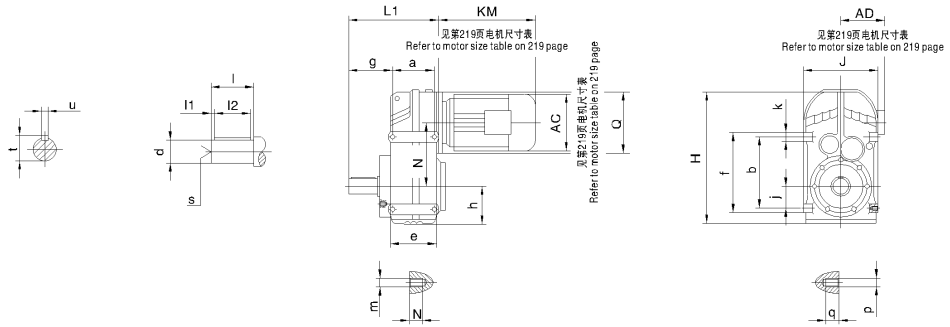
输出转速 Output speed n_a [1/min]	输出转矩 Output torque M_a [N・m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra}[1] [N]	使用系数 Service factor f_s	型号 Model
37kW					
27	13300	55.31	60900	0..90	
30	11700	48.80	61100	1.00	BFA 127 D225S4
35	10100	42.15	61100	1.20	BFAF 127 D225S4
39	8960	37.28	60700	1.35	BF 127 D225S4
47	7530	31.33	59900	1.60	BFF 127 D225S4
58	6080	25.30	58500	1.90	
55	6460	26.86	58900	1.30	
60	5910	24.57	58300	1.45	
69	5140	21.38	57100	2.3	
78	4530	18.87	56000	2.4	BFA 127 D225S4
90	3930	16.36	54600	2.8	BFAF 127 D225S4
101	3500	14.55	53400	3.1	BF 127 D225S4
117	3010	12.54	51900	3.3	BFF 127 D225S4
144	2450	10.19	49600	3.9	
166	2130	8.86	47700	3.3	
186	1890	7.88	46500	3.2	
53	6630	27.57	36200	1.20	
58	6040	25.14	36200	1.30	
68	5230	21.76	36200	1.50	
77	4610	19.20	36000	1.70	
89	3990	16.58	35600	1.95	BFA 107 D225S4
100	3530	14.67	35100	2.2	BFAF 107 D225S4
119	2960	12.33	34400	2.4	BF 107 D225S4
148	2390	9.96	33300	2.7	BFF 107 D225S4
152	2330	9.69	32400	2.1	
176	2010	8.37	31700	2.4	
199	1780	7.40	31000	2.6	
236	1500	6.22	30000	3.1	
45kW					
22	20000	68.28	81300	0.90	
24	17600	60.25	81600	1.00	
28	15300	52.24	81300	1.20	BFA 157 D225M4
32	13600	46.48	80900	1.30	BFAF 157 D225M4
37	11700	40.06	79900	1.55	BF 157 D225M4
45	9510	32.55	78000	1.90	BFF 157 D225M4
53	8070	27.60	76200	2.2	
30	14300	48.80	55200	0.85	
35	12300	42.15	56000	0.95	BFA 127 D225M4
39	10900	37.28	56200	1.10	BFAF 127 D225M4
47	9160	31.33	56100	1.30	BF 127 D225M4
58	7400	25.30	55400	1.60	BFF 127 D225M4
55	7850	26.86	55700	1.10	
60	7180	24.57	55300	1.20	
69	6250	21.38	54500	1.90	
78	5520	18.87	53700	2.0	
90	4780	16.36	52600	2.3	BFA 127 D225M4
101	4250	14.55	51600	2.6	BFAF 127 D225M4
117	3670	12.54	50300	2.7	BF 127 D225M4
144	2980	10.19	48400	3.2	BFF 127 D225M4
166	2590	8.86	46600	2.7	
186	2300	7.88	45500	2.6	
216	1990	6.80	44000	3.5	
266	1610	5.52	42000	3.7	
53	8060	27.57	32400	0.95	
58	7350	25.14	32800	1.05	
68	6360	21.76	33200	1.25	
77	5610	19.20	33300	1.40	
89	4850	16.58	33300	1.60	BFA 107 D225M4
100	4290	14.67	33100	1.80	BFAF 107 D225M4
119	3600	12.33	32700	1.95	BF 107 D225M4
148	2910	9.96	31900	2.2	BFF 107 D225M4
152	2830	9.69	31000	1.75	
176	2450	8.37	30400	1.95	
199	2160	7.40	29900	2.1	
236	1820	6.22	29100	2.5	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
55kW					
24	21500	60.25	73800	0.85	
28	18600	52.24	74600	0.95	BFA 157 D250M4
32	16500	46.48	74800	1.10	BFAF 157 D250M4
37	14300	40.06	74700	1.25	BF 157 D250M4
45	11600	32.55	73800	1.55	BFF 157 D250M4
53	9830	27.60	72600	1.85	
52	10200	28.60	72900	1.65	
58	9060	25.43	71600	1.65	BFA 157 D250M4
67	7890	22.16	70600	2.3	BFAF 157 D250M4
75	7040	19.77	69400	2.4	BF 157 D250M4
88	6000	16.85	67600	3.0	BFF 157 D250M4
40	13300	37.28	50600	0.90	BFA 127 D250M4
47	11200	31.33	51400	1.10	BFAF 127 D250M4
58	9010	25.30	51600	1.35	BF 127 D250M4
					BFF 127 D250M4
69	7610	21.38	51300	1.60	
78	6720	18.87	50800	1.65	
90	5820	16.36	50100	1.90	
101	5180	14.55	49400	2.1	BFA 127 D250M4
118	4470	12.54	48400	2.2	BFAF 127 D250M4
145	3630	10.19	46800	2.6	BF 127 D250M4
166	3160	8.86	45100	2.2	BFF 127 D250M4
187	2810	7.88	44200	2.1	
217	2420	6.80	42900	2.9	
267	1970	5.52	41100	3.0	
315	1670	4.68	39600	3.6	
75kW					
32	22500	46.48	62900	0.80	BFA 157 D280S4
37	19400	40.06	64400	0.95	BFAF 157 D280S4
45	15800	32.55	65400	1.15	BF 157 D280S4
54	13400	27.60	65500	1.35	BFF 157 D280S4
52	13800	28.60	65500	1.25	
58	12300	25.43	65400	1.20	
67	10700	22.16	64900	1.70	BFA 157 D280S4
75	9570	19.77	64300	1.80	BFAF 157 D280S4
88	8150	16.85	63200	2.2	BF 157 D280S4
106	6760	13.96	61600	2.5	BFF 157 D280S4
124	5770	11.92	60100	2.8	
58	12200	25.30	44000	1.00	BFA 127 D280S4
					BFAF 127 D280S4
					BF 127 D280S4
					BFF 127 D280S4
69	10300	21.38	44800	1.15	
78	9130	18.87	45100	1.20	
90	7920	16.36	45200	1.40	
102	7040	14.55	45000	1.55	BFA 127 D280S4
118	6070	12.54	44600	1.65	BFAF 127 D280S4
145	4930	10.19	43700	1.95	BF 127 D280S4
167	4290	8.86	42200	1.65	BFF 127 D280S4
188	3810	7.88	41600	1.55	
218	3290	6.80	40700	2.1	
268	2670	5.52	39300	2.2	
316	2270	4.68	38100	2.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
90kW					
45	18900	32.55	59100	0.95	BFA 157 D280M4
54	16000	27.60	60200	1.10	BFAF 157 D280M4
					BF 157 D280M4
					BFF 157 D280M4
52	16600	28.60	60000	1.00	
58	14800	25.43	60400	1.00	
67	12900	22.16	60600	1.40	BFA 157 D280M4
75	11500	19.77	60500	1.50	BFAF 157 D280M4
88	9790	16.85	59900	1.85	BF 157 D280M4
106	8110	13.96	58900	2.1	BFF 157 D280M4
124	6920	11.92	57800	2.3	
58	14700	25.30	33100	0.80	BFA 127 D280M4
					BFAF 127 D280M4
					BF 127 D280M4
					BFF 127 D280M4
69	12400	21.38	38800	0.95	
78	11000	18.87	40900	1.00	
90	9500	16.36	41500	1.15	
102	8450	14.55	41700	1.30	BFA 127 D280M4
118	7280	12.54	41800	1.35	BFAF 127 D280M4
145	5920	10.19	41400	1.60	BF 127 D280M4
167	5150	8.86	40100	1.35	BFF 127 D280M4
188	4580	7.88	39700	1.30	
218	3950	6.80	39000	1.75	
268	3210	5.52	37900	1.85	
316	2720	4.68	36900	2.2	
110kW					
54	19500	27.60	53100	0.90	BFA 157 D315S4
					BFAF 157 D315S4
					BF 157 D315S4
					BFF 157 D315S4
67	15700	22.16	54900	1.15	
75	14000	19.77	55400	1.20	BFA 157 D315S4
88	11900	16.85	55600	1.50	BFAF 157 D315S4
106	9880	13.96	55300	1.70	BF 157 D315S4
125	8430	11.92	54700	1.90	BFF 157 D315S4
132kW					
67	18800	22.16	48700	0.95	BFA 157 D315M4
75	16800	19.77	49800	1.00	BFAF 157 D315M4
88	14300	16.85	50900	1.25	BF 157 D315M4
106	11900	13.96	51400	1.45	BFF 157 D315M4
125	10100	11.92	51400	1.60	
160kW					
88	17300	16.85	44800	1.05	BFA 157 D135M4A
106	14400	13.96	46400	1.20	BFAF 157 D135M4A
125	12300	11.92	47100	1.30	BF 157 D135M4A
					BFF 157 D135M4A
200kW					
88	21700	16.85	36100	0.85	BFA 157 D315M4B
106	18000	13.96	39200	0.95	BFAF 157 D315M4B
125	15300	11.92	41000	1.05	BF 157 D315M4B
					BFF 157 D315M4B

6.5 外形尺寸表
6.5 Features size table

BF37..~BF157..



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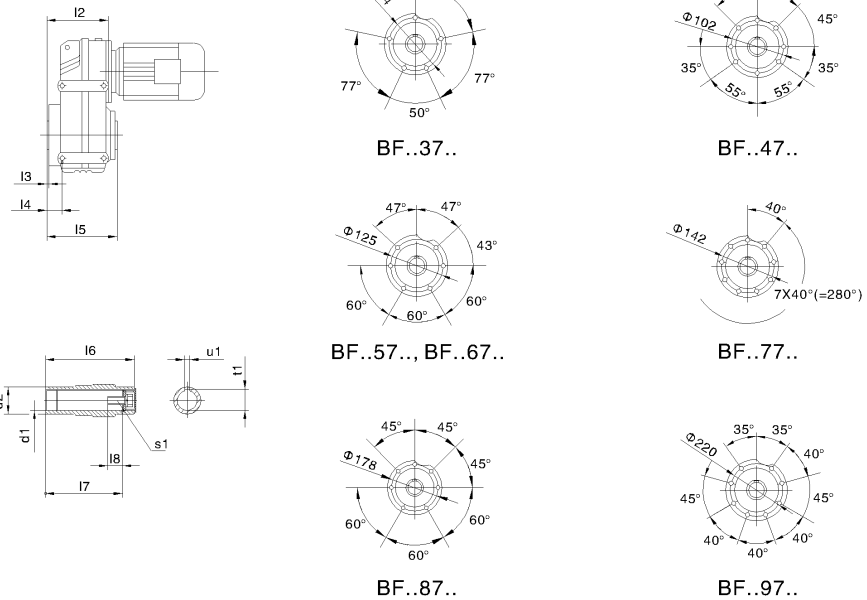
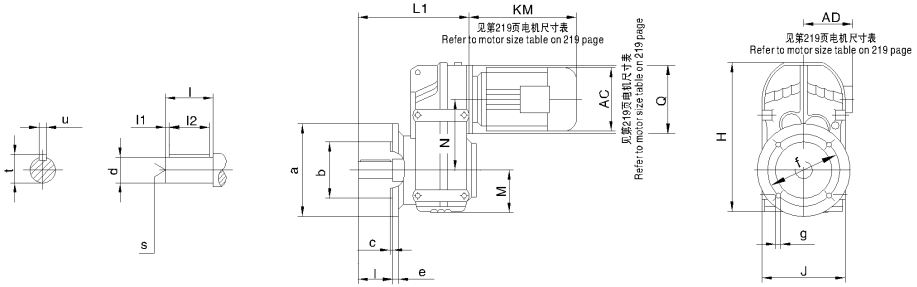


型号 size	a b	e f	g	h	j	k	m n	P q	轴伸尺寸 Shaft dimension				
									d	l	l1 l2	S	t u
BF37.. BFA37B..	77 115	95 135	72.5	76	31	20	M8 11	M8 11	25k6	50	5 40	M10	28 8
BF47.. BFA47B..	93 145	109 165	91	77	43	20	M8 11	M10 15	30k6	60	3.5 50	M10	33 8
BF57.. BFA57B..	102 170	126 195	104.5	93	55	25	M12 17	M12 17	35k6	70	7 56	M12	38 10
BF67.. BFA67B..	1121 190	131 215	118.5	97	60	25	M12 17	M12 17	40k6	80	5 70	M16	43 12
BF77.. BFA77B..	140 240	165 275	137.5	121	70	35	M12 17	M16 26	50k6	100	10 80	M16	53.5 14
BF87.. BFA87B..	165 310	195 350	163	152	100	40	M16 26	M16 26	60m6	120	5 110	M20	64 18
BF97.. BFA97B..	205 350	240 400	190.5	178	120	50	M16 26	M20 28	70m6	140	7.5 125	M20	74.5 20
BF107.. BFA107B..	220 400	260 460	241.5	200	125	60	/ /	M24 36	90m6	170	5 160	M24	95 25
BF127.. BFA127B..	270 450	316 520	291	236	142	70	/ /	M30 45	110m6	210	15 180	M24	116 28
BF157.. BFA157B..	310 540	364 620	325	286	170	80	/ /	M36 55	120m6	210	5 200	M24	127 32

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					
BF37.. BFA37B..	30H7	45	2.5 22.5	123	120 105	17	M10X25	33.3 8	252 165	160	110	112	120
BF47.. BFA47B..	35H7	50	3 31	153	150 132	22	M10X25	38.3 10	269 180	193	133	128.1	120
BF57.. BFA57B..	40H7	55	3 33.5	170	166 142	29	M16X40	43.3 12	317 200	221	150	136	160
BF67.. BFA67B..	40H7	55	3.5 37	184	180 156	29	M16X40	43.3 12	343 212	242	161	159.5	160
BF77.. BFA77B..	50H7	70	4 36.5	213	210 183	32	M16X45	53.8 14	426 270	294	193	200	200
BF87.. BFA87B..	60H7	85	4 43	243	240 210	36	M20X50	64.4 18	531 330	344	224	246.7	250
BF97.. BFA97B..	70H7	95	4 48.5	303	300 270	34	M20X50	74.9 20	623 400	416	274	285	300
BF107.. BFA107B..	90H7	118	2.5 69.5	353	350 313	40	M24X60	95.4 25	717 450	484	312	332.4	350
BF127.. BFA127B..	100H7	135	2.5 79.25	413	410 373	38	M24X60	106.4 28	856 530	585	373	382.6	450
BF157.. BFA157B..	120H7	155	7 118	503	500 460	36	M24X60	127.4 32	1021 660	662	455	447	550

BFF37..~BFF157..



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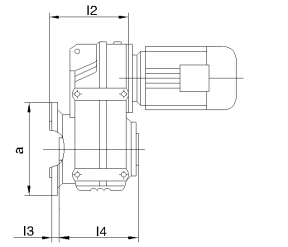


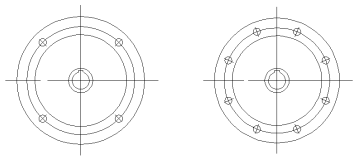
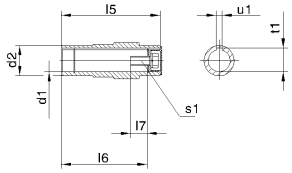


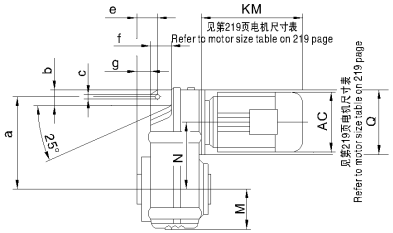
Fig.1 Fig.2

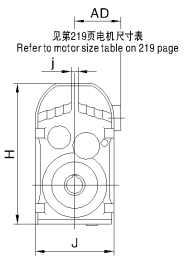
法兰型式
flange form



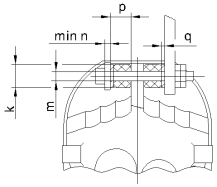
型号 Model	法兰型式 Flange form	a b	c e	f g	轴伸尺寸 Shaft dimension				空心轴尺寸 Hollow shaft dimension					H J	L1 L2	M N Q
					d l	l1 l2	s	t u	d1 d2	l3 l4	l5 l6	l7 l8	t1 u1			
BFF37.. BFAF37..	Flg.1	160 110j6	3.5 10	130 9	25k6 50	5 40	M10	28 8	30H7 45	24 123	120 105	17 M10X25	33.3 8	252 165	184 138	76 112 120
BFF47.. BFAF47..	Flg.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
BFF57.. BFAF57..	Flg.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
BFF67.. BFAF67..	Flg.1	250 180j6	4 15	215 13.5	40k6 80	5 70	M16	43 12	40H7 55	23 184	180 156 210	29 M16X40	43.3 12	343 212	264 188	97 159.5 160
BFF77.. BFAF77..	Flg.1	300 230h6	4 16	265 13.5	50k6 100	10 80	M16	53.5 14	50H7 70	37 213	183 240	32 M16X45	53.8 14	426 270	330 234	121 200 200
BFF87.. BFAF87..	Flg.1	350 250h6	5 18	300 17.5	60m6 120	5 110	M20	64 18	60H7 85	30 243	210 300 270	36 M20X50	64.4 18	531 330	374 259	152 246.7 250
BFF97.. BFAF97..	Flg.2	450 350h6	5 22	400 17.5	70m6 140	7.5 125	M20	74.5 20	70H7 95	41.5 303	350 313	34 M20X50	74.9 20	623 400	456 321	178 285 300
BFF107.. BFAF107..	Flg.2	450 350h6	5 22	400 17.5	90m6 170	5 160	M24	95 25	90H7 118	41 353	410 373	40 M24X60	95.4 25	717 450	523 358	200 332.4 350
BFF127.. BFAF127..	Flg.2	550 450h6	5 25	500 17.5	110m6 210	15 180	M24	116 28	100H7 135	51 413	500 460	38 M24X60	106.4 28	856 530	643 426	236 382.6 450
BFF157.. BFAF157..	Flg.2	660 550h6	6 28	600 22	120m6 210	5 200	M24	127 32	120H7 155	60 503		36 M24X60	127.4 32	1021 660	725 521	286 447 550

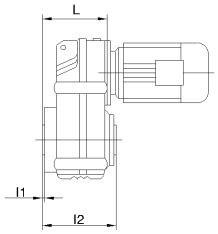
BFA37..~BFA157..

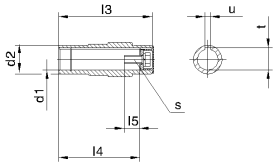




BF..37/G..~BF..157/G..

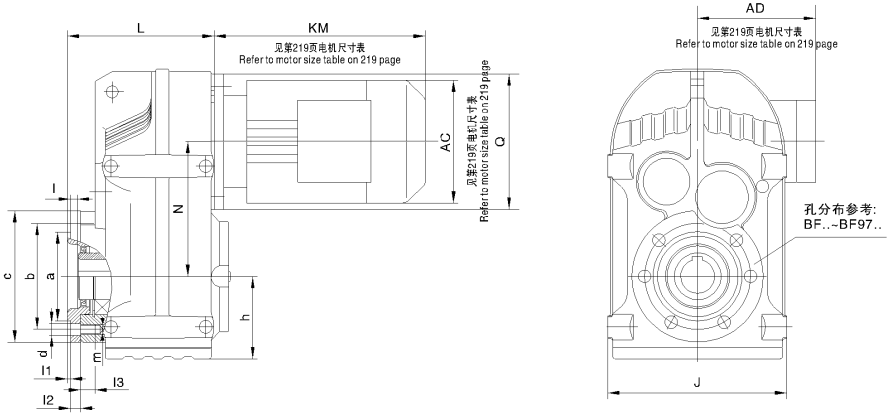


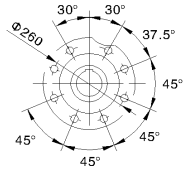




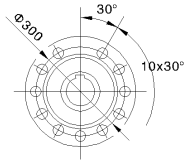
型号 Model	a b	c e	f g	空心轴尺寸 Hollow shaft dimension					扭矩臂尺寸 Torque arm form		H J j	L	M	N Q
				d1 d2	l1 l2	l3 l4	l5 s	t u	k m n	p q				
BFA37.. BF..37/G..	158 30	14 31.5	46 15	30H7 45	0.5 123	120 105	17 M10X25	33.3 8	40 12.5 5	20 1	252 172 12	110	76	112 120
BFA47.. BF..47/G..	170 22	14 32	64 12	35H7 50	1 153	150 132	22 M10X25	38.3 10	40 12.5 5	20 1.8	269 189 12	133	77	128.1 120
BFA57.. BF..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 14	150	93	136 160
BFA67.. BF..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 16	161	97	159.5 160
BFA77.. BF..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 20	193	121	200 200
BFA87.. BF..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 26	224	152	246.7 250
BFA97.. BF..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 30	274	178	285 300
BFA107.. BF..107/G..	485 108	26 88	100 57	90H7 118	2.5 353	350 313	40 M24X60	95.4 25	80 25 12	40 6	717 456 36	312	200	332.4 350
BFA127.. BF..127/G..	550 138	33 110	125 66	100H7 135	2.5 413	410 373	38 M24X60	106.4 28	100 32 15	60 9	856 530 40	373	236	382.6 450
BFA157.. BF..157/G..	660 170	33 150	140 98	120H7 155	7 503	500 460	36 M24X60	127.4 32	120 32 15	60 9	1021 660 45	455	286	447 550

BFAZ37..~BFAZ157..

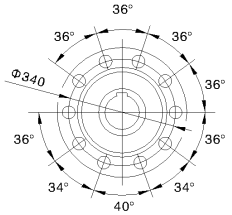




BFAZ107..



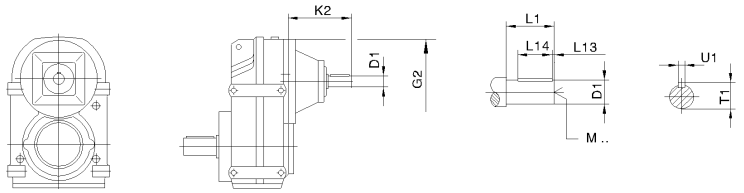
BFAZ127..



BFAZ157..

型号 Model	a	b	c	d	h	J	L	I	I1	I2	I3	m	N	Q
BFAZ37..	80j6	94	110	9	76	165	122	9	3	11.5	11	M8	112	120
BFAZ47..	80j6	102	120	9	77	180	144	8	3	11	11	M8	128.1	120
BFAZ57..	105j6	125	155	13.5	93	200	162	9	3.5	12	17	M12	136	160
BFAZ67..	105j6	125	155	13.5	97	212	173	8.5	3.5	12	17	M12	159.5	160
BFAZ77..	125j6	142	170	13.5	121	270	206	10	3.5	14	17	M12	200	200
BFAZ87..	155j6	178	215	17.5	152	330	239	11	4	15	26	M16	246.7	250
BFAZ97..	180j6	220	260	17.5	178	400	292	14	4	18	26	M16	285	300
BFAZ107..	210j6	260	304	22	200	450	312	8	4	22	28	M20	332.4	350
BFAZ127..	250j6	300	350	22	236	530	377.5	5	5	30	28	M20	382.6	450
BFAZ157..	290j6	340	400	26	286	660	455	14	5	28	36	M24	447	550

BF..AD



减速机型号 Gear unit size	联接盘规格 Motor adcopator	G2	K2	D1	L1	L13	L14	T1	U1	M
BF..37 BF..47	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
BF..57 BF..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
BF..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
BF..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
BF..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
BF..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
BF..127	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
	AD7		300	55	110	10	90	59	16	M20
	AD8		383	70	140	15	110	74.5	20	M20
BF..157	AD5	550	258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

BF..AM

Fig.1

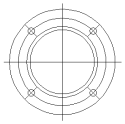
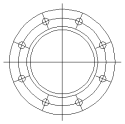
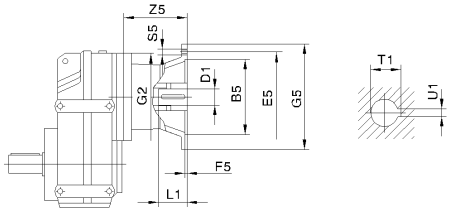


Fig.2





减速机型号 Gear unit size	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BF..37 BF..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
BF..57 BF..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)]												
BF..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)]												
BF..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												
	AM160[1)]		250	300	6		350	M16	232	42	110	45.3	12
	AM180[1)]									48		51.8	14
BF..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
	AM200		300	350	7		400		268	55		59.3	16
	AM225[1)]	2	350	400			450		283	60	140	64.4	18

1) 如果安装在BF系列底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 BF foot – mounted gear unit, please check.

TECO Electric Machinery
Geared motor

BF..AM

Fig.1

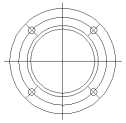
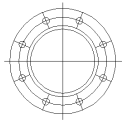
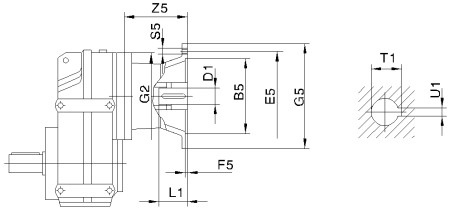


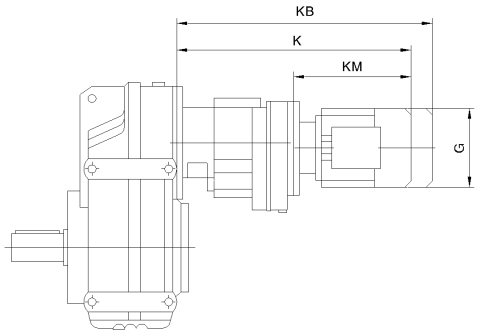
Fig.2





减速机型号 Gear unit size	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BF..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	M16	221	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		262	55		59.3	16
	AM225	2	350	400			450		277	60	140	64.4	18
BF..127	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350	M16	206	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		247	55		59.3	16
	AM225	2	350	400			450		262	60	140	64.4	18
	AM250		450	500			550		336	65		69.4	
	AM280									75		79.9	20
BF..157	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		239	55		59.3	16
	AM225	2	350	400			450		254	60	140	64.4	18
	AM250		450	500			550		328	65		69.4	
	AM280									75		79.9	20

BF..R..



减速机型号 Gear unit size	电机规格 Motor type	G	K	KB	KM
BF..37R17 BF..47R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BF..57R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
BF..67R37	D63..	155	401	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
	D90..	210	451	536	286
BF..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
BF..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	155	495	559	279
	D90..	210	495	580	279
	D100M	210	545	630	329
	D100L	210	565	650	249
BF..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
BF..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

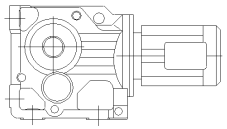
减速机型号 Gear unit size	电机规格 Motor type	G	K	KB	KM
BF..127R77	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
	D90..	210	503	588	271
	D100M	210	553	638	321
	D100L	210	573	658	341
	D112M	240	587	667	355
	D132S	240	632	712	40
	D132M	285	684	796	452
	D132ML	285	704	816	472
	D160M	330	734	846	502
BF..127R87	D90..	210	547	632	267
	D100M	210	597	682	317
	D100L	210	617	702	337
	D112M	240	630	710	350
	D132S	240	675	755	395
	D132M	285	727	839	447
	D132ML	285	747	859	467
	D160M	330	777	889	497
	D160L	330	824	980	544
	D180..	380	896	1052	616
BF..157R97	D80..	155	586	650	261
	D90..	210	586	671	261
	D100M	210	636	721	311
	D100L	210	656	741	331
	D112M	240	670	750	345
	D132S	240	715	795	390
	D132M	285	767	879	442
	D132ML	285	787	899	462
	D160M	330	817	929	492
	D160L	330	864	1020	539
	D180..	380	936	1092	611
	D200..	420	1024	1180	669

注: 上表中电机尺寸为参考尺寸，因空间限制对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 for reference. If you have special require, please consult us.

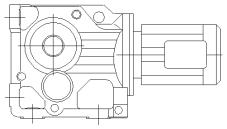
7. BK 斜齿轮–伞齿轮减速电机
BK Helical–bevel geared motor

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:

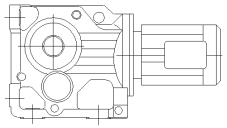


BK..D..
底脚安装斜齿轮––伞齿轮减速电机
Foot – mounted helical – bevel geared motor

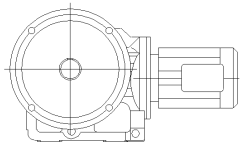


BKA..B D..
底脚空心轴安装斜齿轮––伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft.

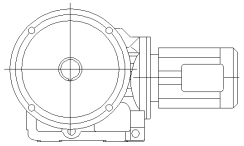
BKV..B D..
底脚花键空心轴(DIN5480)安装斜齿轮––伞齿轮减速电机
Foot – mounted helical – bevel geared motorwith hollow shaft and splined hollow shaft to DIN 5480.



BKH..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

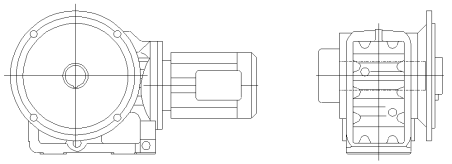


BKF..D..
B5 法兰安装斜齿轮––伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version

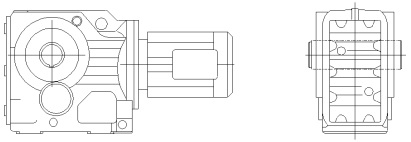


BKAF..D..
B5 法兰空心轴安装斜齿轮––伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version with hollow shaft.

BKVF..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.

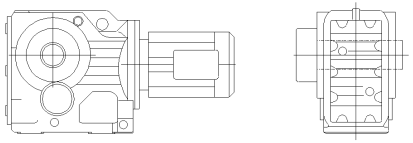


BKHF..D..
B5 法兰空心轴锁紧盘安装斜齿轮--伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version with hollow shaft and shrink disk.

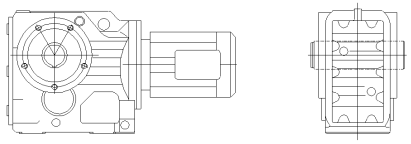


BKA..D..
空心轴安装斜齿轮--伞齿轮减速电机
Heical – bevel geared motor with hollow shaft

BKV..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.

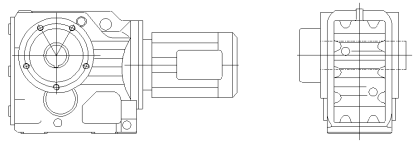


BKH..D..
空心轴锁紧盘安装斜齿轮--伞齿轮减速电机
Helical – bevel geared motor with hollow shaft and shrink disk



BKAZ..D..
B14 法兰空心轴安装斜齿轮--伞齿轮减速电机
Helical – bevel geared motor in B14 flange – mounted version with hollow shaft

BKVZ..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.



BKHZ..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.

减速机型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
BK/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			
BK/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			
BK/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		
BK/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
BK/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
BK/KF/KA/KAF87	3		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
BK/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
BK/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
BK/KF/KA/KAF127	3							12.79 21.15–36.25 47.82–146.07

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180	D200
BK/KF/KA/KAF77	3	7.24–23.08 40.04–58.34	7.24–23.08 40.04–58.34			
BK/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	
BK/KF/KA/KAF97	3	8.71–96.80	8.71–96.80	8.71–96.80	8.71–30.82 41.87–77.89	8.71–24.75 41.87–62.55
BK/KF/KA/KAF107	3	8.69–112.41	8.69–112.41	8.69–112.41	8.69–90.96	8.69–31.28 37.00–73.30
BK/KF/KA/KAF127	3	10.74–12.79 17.77–136.14	10.74–12.79 17.77–136.14	10.74–12.79 17.77–136.14	8.68–110.18	8.68–89.89
BK/KF/KA/KAF157	3		18.37–31.30 46.79–150.41	18.37–31.30 46.79–150.41	14.92–122.39	12.65–100.22
BK/KH167	3		24.52–32.25 51.77–164.50	24.52–32.25 51.77–164.50	20.32–32.25 42.89–134.99	17.34–109.83
BK/KH187	3		33.23–42.51 88.00–179.86	33.23–42.51 88.00–179.86	27.92–42.51 73.96–179.86	17.18–179.86

减速机型号 Gear unit size	级 Stages	D225	D250M	D280	D315	D315M_A/B
BK/KF/KA/KAF107	3	8.69–31.28 37.00–73.30				
BK/KF/KA/KAF127	3	8.68–89.89	8.68–31.37 40.19–70.95	8.68–31.37 40.19–70.95		
BK/KF/KA/KAF157	3	12.65–100.22	12.65–79.75	12.65–79.75	12.65–23.95 38.02–61.02	12.65–18.37 38.02–46.79
BK/KH167	3	17.34–109.83	17.34–87.86	17.34–87.86	17.34–68.07	17.34–24.52 36.61–51.77
BK/KH187	3	17.18–179.86	17.18–144.59	17.18–144.59	17.18–112.60	17.18–33.23 45.50–88.00

7.3 速比与最大扭矩
7.3 Ratio and Max .Torque

BK37–57, BK37R, BK 47R n_e=1400 1/min

BK37				200Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
106.38	13	200	5640	AD_1
97.81	14	200	5640	
83.69	17	200	5640	
72.54	19	200	5520	
67.80	21	200	5360	
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	AD_2
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	
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	

BK47				400Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
131.87	11	400	5920	Ad_2
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	
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	AD_3
7.36	190	250	3390	
6.58	213	240	3270	
5.81	241	230	3140	

BK57				600Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
145.14	9.6	600	7470	AD_2
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	
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	AD_3
13.25	106	510	5190	
11.92	117	415	5150	
11.26	124	415	4990	
9.59	146	405	4650	
8.71	161	390	4520	
7.55	185	365	4360	
6.57	213	345	4190	

BK67–87, BK67R–87R n_e=1400 1/min

BK67				820Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
144.79	9.7	820	10300	AD_2
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	
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	AD_3
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	
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	

BK77				1550Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
192.18	7.3	1450	16100	AD_2
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	
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	AD_3
38.39	36	1550	15700	
35.20	40	1550	15400	
30.89	45	1550	15400	
29.27	48	1550	15400	AD_4
25.62	55	1550	15400	
23.08	61	1550	15400	
20.25	69	1500	15700	
17.87	78	1450	16100	
15.84	88	1400	15500	
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	

BK87				2700Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
197.37	7.1	2700	27300	AD_2
174.19	8.0	2700	27300	
164.34	8.5	2700	27300	
147.32	9.5	2700	27300	
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	AD_3
70.46	20	2700	27300	
63.00	22	2700	26200	
56.64	25	2700	25000	
49.16	28	2700	23500	
44.02	32	2600	22800	
36.52	38	2500	21400	
31.39	45	2700	19200	AD_4
27.88	50	2600	18500	
24.92	56	2500	18000	
22.41	62	2300	17900	
19.45	72	2300	16800	
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	AD_5
8.29	169	1400	13500	
7.21	194	1300	13200	

BK97–127, BK97R, BK107R n_e=1400 1/min

BK97				4300Nm
i	n_a [1/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	AD_3
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	AD_4
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	AD_5
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	AD_6
11.99	117	3890	16200	
10.41	134	2870	16400	AD_5
8.71	161	2660	15800	AD_6

BK107				8000Nm
i	n_a [1/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	AD_4
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	AD_5
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	AD_6
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	

BK127				13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
146.07	9.6	13000	79200	
136.14	10	13000	79200	AD_4
122.48	11	13000	79200	
110.18	13	13000	79200	
89.89	16	13000	75100	AD_5
81.98	17	13000	72100	
70.95	20	13000	67700	
62.60	22	13000	64000	
54.07	26	13000	59000	
47.82	29	13000	56500	
40.19	35	13000	52000	Ad_6
36.25	39	13000	49400	
31.37	45	13000	45900	AD_7
27.68	51	13000	43000	
23.91	59	13000	39800	
21.15	66	13000	37200	
17.77	79	13000	33600	
14.35	98	12100	31800	AD_8
12.79	109	8530	35400	
10.74	130	8000	33900	
8.68	161	7230	32500	

BK157–187, BK37R17, BK47/57R37 n_e=1400 1/min

BK157				18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
150.41	9.3	18000	112200	
122.39	11	18000	106500	
100.22	14	18000	98000	
91.65	15	18000	94400	AD_5
79.75	18	18000	88900	
70.38	20	18000	84200	
61.02	23	18000	79000	
54.29	26	18000	74900	AD_6
46.79	30	18000	70000	AD_7
38.02	37	18000	63300	
31.30	45	18000	57500	
27.62	51	18000	54000	
23.95	58	18000	50000	
21.31	66	18000	47000	AD_8
18.37	76	18000	43200	
14.92	94	18000	38200	
12.65	111	17000	36700	

BK167				32000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
164.50	8.5	32000	150000	AD_5
134.99	10	32000	150000	AD_6
109.83	13	32000	150000	
87.86	16	32000	147200	
78.14	18	32000	140100	AD_7
68.07	21	32000	132000	
60.74	23	32000	125600	
51.77	27	32000	117000	
42.89	33	32000	107400	
36.61	38	32000	99700	
32.25	43	32000	93700	AD_8
28.77	49	32000	88600	
24.52	57	32000	81700	
20.32	69	32000	74000	
17.34	81	32000	67900	

BK187				50000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
179.86	7.8	50000	190000	
165.21	8.5	50000	190000	AD_6
144.59	9.7	50000	190000	
129.69	11	50000	188200	
112.60	12	50000	177200	AD_7
102.16	14	50000	169900	
88.00	16	50000	159000	
73.96	19	50000	147000	
64.04	22	50000	137500	
53.36	26	50000	126100	
45.50	31	50000	116600	
42.51	33	50000	112700	AD_8
38.57	36	50000	107200	
33.23	42	50000	99100	
27.92	50	50000	90200	
24.18	58	47600	86800	
20.15	69	43900	84000	
17.18	81	41400	80800	

BK37R17				200Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	
6832	0.20	200	5640	
5922	0.24	200	5640	
5491	0.25	200	5640	
4759	0.29	200	5640	
4160	0.34	200	5640	
3645	0.38	200	5640	
3205	0.44	200	5640	
2801	0.50	200	5640	
2454	0.57	200	5640	
2166	0.65	200	5640	
1891	0.74	200	5640	
1660	0.84	200	5640	
1466	0.95	200	5640	
1288	1.1	200	5640	
1136	1.2	200	5640	
996	1.4	200	5640	
876	1.6	200	5640	
761	1.8	200	5640	
671	2.1	200	5640	
585	2.4	200	5640	
512	2.7	200	5640	
451	3.1	200	5640	
396	3.5	200	5640	
346	4.0	200	5640	
304	4.6	200	5640	
267	5.2	200	5640	
234	6.0	200	5640	
205	6.8	200	5640	
181	7.7	200	5640	
160	8.8	200	5640	
136	10	200	5640	
127	11	200	5640	
110	13	200	5640	
96	15	200	5640	

BK47R37				400Nm
i	n_a [1/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	

BK57R37				600Nm
i	n_a [1/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	

BK67/77R37, BK87R57 n_e=1400 1/min

BK67R37			820Nm
i	n_a [1/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

BK77R37			1550Nm
i	n_a [1/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
280	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

BK87R57			2700Nm
i	n_a [1/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	3.0	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

BK97R57, BK107/127R77 n_e=1400 1/min

BK97R57			4300Nm
i	n_a [1/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
437	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

BK107R77			8000Nm
i	n_a [1/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

BK127R77			13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
17550	0.08	13000	79200
16006	0.09	13000	79200
14975	0.09	13000	79200
12440	0.11	13000	79200
10915	0.13	13000	79200
9819	0.14	13000	79200
8443	0.17	13000	79200
7482	0.19	13000	79200
6565	0.21	13000	79200
5804	0.24	13000	79200
5027	0.28	13000	79200
4423	0.32	13000	79200
3889	0.36	13000	79200
3311	0.42	13000	79200
3009	0.47	13000	79200
2607	0.54	13000	79200
2268	0.62	13000	79200
1926	0.73	13000	79200
1757	0.80	13000	79200
1541	0.91	13000	79200
1342	1.0	13000	79200
1177	1.2	13000	79200
1025	1.4	13000	79200
899	1.6	13000	79200
790	1.8	13000	79200
704	2.0	13000	79200
610	2.3	13000	79200
549	2.6	13000	79200
477	2.9	13000	79200
418	3.3	13000	79200

BK 127R87, BK157R97, BK157R107 n_e=1400 1/min

BK127R87			13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
536	2.6	13000	79200
473	3.0	13000	79200
418	3.3	13000	79200
367	3.8	13000	79200
330	4.2	13000	79200
287	4.9	13000	79200
253	5.5	13000	79200
213	6.6	13000	79200
200	7.0	13000	79200
166	8.4	13000	79200
147	9.5	13000	79200

BK157R97			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
17679	0.08	18000	112200
15729	0.09	18000	112200
14721	0.10	18000	112200
13097	0.11	18000	112200
11368	0.12	18000	112200
10114	0.14	18000	112200
8718	0.16	18000	112200
7734	0.18	18000	112200
6881	0.20	18000	112200
5931	0.24	18000	112200
5074	0.28	18000	112200
4514	0.31	18000	112200
3979	0.35	18000	112200
3516	0.40	18000	112200
3051	0.46	18000	112200
2610	0.54	18000	112200
2322	0.60	18000	112200
2029	0.69	18000	112200
1805	0.78	18000	112200
1659	0.84	18000	112200
1365	1.0	18000	112200
1229	1.1	18000	112200
1093	1.3	18000	112200
942	1.5	18000	112200
854	1.6	18000	112200
756	1.9	18000	112200
661	2.1	18000	112200
567	2.5	18000	112200
504	2.8	18000	112200
434	3.2	18000	112200
379	3.7	18000	112200
333	4.2	18000	112200
291	4.8	18000	112200

BK157R107			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
385	3.6	18000	112200
325	4.3	18000	112200
299	4.7	18000	112200
253	5.5	18000	112200
230	6.1	18000	112200
213	6.6	18000	112200
187	7.5	18000	112200
157	8.9	18000	112200
122	11	18000	106500
107	13	18000	100700

TECO Electric Machinery
Geared motor

BK167/187R97, BK167/187R107 n_e=1400 1/min

BK167R97			32000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
19723	0.07	32000	150000
17406	0.08	32000	150000
15000	0.09	32000	150000
13238	0.11	32000	150000
11573	0.12	32000	150000
10264	0.14	32000	150000
8628	0.16	32000	150000
6562	0.21	32000	150000
5355	0.26	32000	150000
4788	0.29	32000	150000
4079	0.34	32000	150000
3376	0.41	32000	150000
2755	0.51	32000	150000
2263	0.62	32000	150000
2182	0.64	32000	150000
1704	0.82	32000	150000
1408	0.99	32000	150000
1296	1.1	32000	150000
1101	1.3	32000	150000
944	1.5	32000	150000
843	1.7	32000	150000
757	1.8	32000	150000
632	2.2	32000	150000
561	2.5	32000	150000
481	2.9	32000	150000
423	3.3	32000	150000
369	3.8	32000	150000

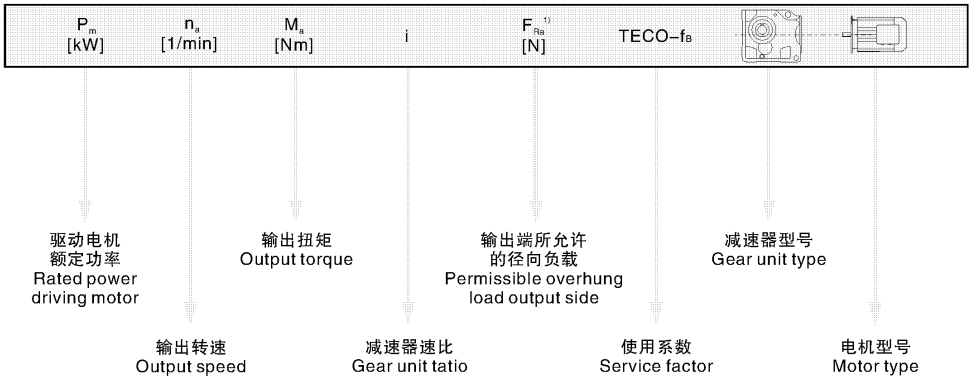
BK167R107			32000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
318	4.4	32000	150000
278	5.0	32000	150000
244	5.7	32000	150000
213	6.6	32000	150000
206	6.8	32000	150000
180	7.8	32000	150000
160	8.8	32000	150000
135	10	32000	150000
118	12	32000	150000

BK187R97			50000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
32625	0.04	50000	190000
27165	0.05	50000	190000
24353	0.06	50000	190000
19144	0.07	50000	190000
16978	0.08	50000	190000
14272	0.10	50000	190000
13116	0.11	50000	190000
11647	0.12	50000	190000
10413	0.13	50000	190000
9363	0.15	50000	190000
8126	0.17	50000	190000
7343	0.19	50000	190000
6747	0.21	50000	190000
5991	0.23	50000	190000
5358	0.26	50000	190000
4817	0.29	50000	190000
4370	0.32	50000	190000
3609	0.39	50000	190000
3062	0.46	50000	190000
2818	0.50	50000	190000
2519	0.56	50000	190000
2268	0.62	50000	190000
2054	0.68	50000	190000
1821	0.77	50000	190000
1605	0.87	50000	190000
1395	1.0	50000	190000
1196	1.2	50000	190000
1046	1.3	50000	190000
945	1.5	50000	190000
738	1.9	50000	190000
621	2.3	50000	190000
527	2.7	50000	190000

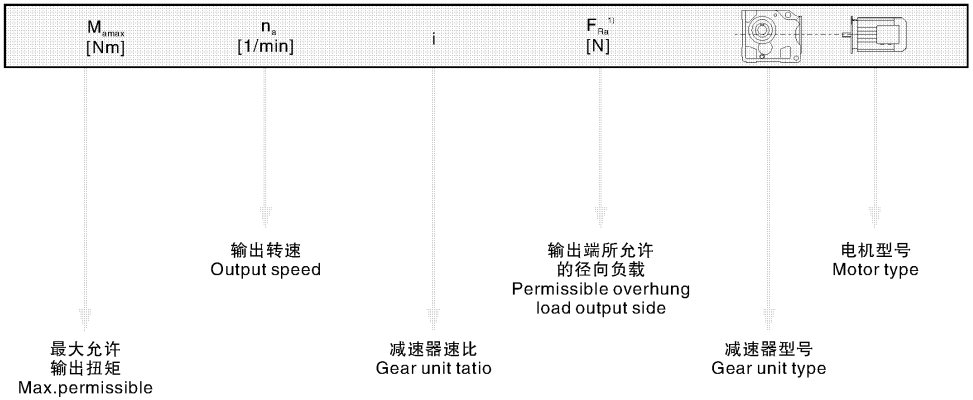
BK187R107			50000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ra} [N]
835	1.7	50000	190000
729	1.9	50000	190000
622	2.3	50000	190000
520	2.7	50000	190000
454	3.1	50000	190000
355	3.9	50000	190000
261	5.4	50000	190000
221	6.3	50000	190000
193	7.3	50000	190000
163	8.6	50000	190000

7.4 选型表注释
7.4 Selection table

选型表的结构
Selection table for geared motors



对于特殊低输出转速
For particularly low output speeds



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地扭矩相对应。
In drives for particularly low output speeds（multi–stage geared motor），the motor power must belimited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [1/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} 1) [N]	使用系数 Service factor f_B	型号 Model
0.12kW					
0.08	11800	17550	79800	1.10	
0.09	10700	16006	80400	1.20	
0.09	9880	14975	80700	1.30	**BK 127 R77 D63S4**
0.11	8010	12440	81500	1.60	**BKF 127 R77 D63S4**
0.13	6920	10915	81800	1.90	**BKA 127 R77 D63S4**
0.14	6320	9819	82000	2.1	**BKAF 127 R77 D63S4**
0.16	5220	8443	82300	2.5	
0.18	4820	7482	82300	2.7	
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	**BK 107 R77 D63S4**
0.17	5410	8328	65000	1.50	**BKF 107 R77 D63S4**
0.19	4720	7270	65000	1.70	**BKA 107 R77 D63S4**
0.22	3760	6184	65000	2.1	**BKAF 107 R77 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	**BK 97 R57 D63S4**
0.26	3560	5391	40000	1.20	**BKF 97 R57 D63S4**
0.30	2950	4669	40000	1.45	**BKA 97 R57 D63S4**
0.34	2640	4082	40000	1.65	**BKAF 97 R57 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	
0.74	1220	1856	40000	3.5	**BK 97 R57 D63S4**
0.85	1000	1625	40000	4.3	**BKF 97 R57 D63S4**
0.96	860	1430	40000	5.0	**BKA 97 R57 D63S4**
1.1	830	1261	40000	5.2	**BKAF 97 R57 D63S4**
1.2	725	1102	40000	5.9	
0.26	3380	5240	26300	0.80	
0.30	2850	4562	27100	0.95	**BK 87 R57 D63S4**
0.34	2610	4037	27400	1.05	**BKF 87 R57 D63S4**
0.38	2330	3609	27700	1.15	**BKA 87 R57 D63S4**
0.44	1990	3107	28100	1.35	**BKAF 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	**BK 87 R57 D63S4**
0.97	930	1415	28800	2.9	**BKF 87 R57 D63S4**
1.1	800	1229	28900	3.4	**BKA 87 R57 D63S4**
1.3	695	1078	28900	3.9	**BKAF 87 R57 D63S4**
1.5	585	951	29000	4.6	
1.6	505	837	29000	5.4	
1.9	435	726	29000	6.2	
					BK 77 R37 D63S4
0.51	1790	2717	13400	0.85	**BKF 77 R37 D63S4**
0.58	1510	2370	15700	1.05	**BKA 77 R37 D63S4**
					BKAF 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	**BK 77 R37 D63S4**
1.1	810	1218	19000	1.90	**BKF 77 R37 D63S4**
1.3	710	1053	19200	2.2	**BKA 77 R37 D63S4**
1.5	620	924	19500	2.5	**BKAF 77 R37 D63S4**
1.7	550	815	19600	2.8	
2.0	440	709	19800	3.5	
2.2	385	622	19900	4.0	

输出转速 Output speed n_a [1/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} 1) [N]	使用系数 Service factor f_B	型号 Model
0.12kW					
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	**BK 67 R37 D63S4**
2.2	390	613	12900	2.1	**BKF 67 R37 D63S4**
2.5	340	542	13000	2.4	**BKA 67 R37 D63S4**
2.9	315	471	13000	2.6	**BKAF 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	
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	**BK 57 R37 D63S4**
2.9	310	473	9250	1.95	**BKF 57 R37 D63S4**
3.3	265	421	9420	2.3	**BKA 57 R37 D63S4**
3.8	235	362	9510	2.5	**BKAF 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	**BK 47 R37 D63S4**
2.8	315	495	6930	1.25	**BKF 47 R37 D63S4**
3.2	280	426	7240	1.45	**BKA 47 R37 D63S4**
3.7	235	375	7560	1.70	**BKAF 47 R37 D63S4**
4.2	215	327	7670	1.85	
4.8	189	289	7830	2.1	
4.0	235	346	4840	0.85	
4.5	200	304	5640	1.00	
5.2	182	267	5830	1.10	**BK 37 R17 D63S4**
5.9	157	234	6060	1.25	**BKF 37 R17 D63S4**
6.7	138	205	6220	1.45	**BKA 37 R17 D63S4**
7.6	120	181	6330	1.65	**BKAF 37 R17 D63S4**
8.6	105	160	6420	1.90	
10	88	136	6500	2.3	
6.2	184	144.79	13000	4.4	**BK 67 D63M6** **BKF 67 D63M6** **BKA 67 D63M6** **BKAF 67 D63M6**
6.2	185	145.14	9680	3.2	
7.3	158	123.85	9760	3.8	**BK 57 D63M6**
8.3	138	108.29	9820	4.3	**BKF 57 D63M6**
8.8	131	102.88	9840	4.6	**BKA 57 D63M6**
10	115	90.26	9880	5.2	**BKAF 57 D63M6**
12	98	76.56	9930	6.2	
9.5	121	145.14	9870	5.0	
11	103	123.85	9920	5.8	**BK 57 D63S4**
13	90	108.29	9950	6.7	**BKF 57 D63S4**
13	85	102.88	9960	7.0	**BKA 57 D63S4**
15	75	90.26	9990	8.0	**BKAF 57 D63S4**
6.8	168	131.87	7930	2.4	**BK 47 D63M6**
7.4	155	121.48	7990	2.6	**BKF 47 D63M6**
8.6	133	104.37	8070	3.0	**BKA 47 D63M6** **BKAF 47 D63M6**
10	110	131.87	8140	3.7	**BK 47 D63S4**
11	101	121.48	8170	4.0	**BKF 47 D63S4** **BKA 47 D63S4** **BKAF 47 D63S4**

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.12kW					
8.5	136	106.38	6230	1.50	BK 37 D63M6
9.2	125	97.81	6300	1.60	BKF 37 D63M6
11	107	83.69	6410	1.90	BKA 37 D63M6
12	92	72.54	6480	2.2	BKAF 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	
36	32	37.97	5660	6.3	BK 37 D63S4
39	30	35.57	5550	6.8	BKF 37 D63S4
46	25	29.96	5270	8.0	BKA 37 D63S4
48	24	28.83	5210	8.4	BKAF 37 D63S4
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	
0.18kW					
0.09	16300	14975	73200	0.80	
0.11	13400	12440	79000	0.95	
0.12	11600	10915	79900	1.10	
0.13	10500	9819	80400	1.25	BK 127R77D63M4
0.16	8850	8443	81100	1.45	BKF 127R77D63M4
0.18	8040	7482	81400	1.60	BKA 127R77D63M4
0.20	6990	6565	81800	1.85	BKAF 127R77D63M4
0.23	5940	5804	82100	2.2	
0.26	5220	5027	82300	2.5	
0.30	4530	4423	82400	2.9	
0.34	3960	3889	82500	3.3	
0.40	3310	3311	82600	3.9	
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	BK 107R77D63M4
0.26	5230	5138	65000	1.55	BKF 107R77D63M4
0.30	4570	4359	65000	1.75	BKA 107R77D63M4
0.35	4000	3810	65000	2.0	BKAF 107R77D63M4
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	BK 97 R57D63M4
0.32	4390	4082	40000	1.00	BKF 97 R57D63M4
0.37	3860	3583	40000	1.10	BKA 97 R57D63M4
0.42	3370	3108	40000	1.25	BKAF 97 R57D63M4
0.48	2910	2757	40000	1.50	
0.55	2640	2419	40000	1.65	
0.62	2290	2123	40000	1.90	
0.71	2030	1856	40000	2.1	
0.81	1710	1625	40000	2.5	BK 97 R57D63M4
0.92	1490	1430	40000	2.9	BKF 97 R57D63M4
1.0	1380	1261	40000	3.1	BKA 97 R57D63M4
1.2	1210	1102	40000	3.6	BKAF 97 R57D63M4
1.4	1040	957	40000	4.1	
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	BK 87 R57D63M4
0.48	2880	2728	27100	0.95	BKF 87 R57D63M4
0.56	2520	2371	27500	1.05	BKA 87 R57D63M4
					BKAF 87 R57D63M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
0.63	2290	2088	27800	1.20	
0.71	2030	1854	28000	1.35	
0.80	1820	1657	28200	1.50	
0.93	1540	1415	28400	1.75	BK 87 R57 D63M4
1.1	1340	1229	28600	2.0	BKF 87 R57 D63M4
1.2	1160	1078	28700	2.3	BKA 87 R57 D63M4
1.4	1000	951	28800	2.7	BKAF 87 R57 D63M4
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	BK 77 R37 D63M4
1.6	910	815	18700	1.70	BKF 77 R37 D63M4
1.9	750	709	19100	2.1	BKA 77 R37 D63M4
2.1	655	622	19400	2.4	BKAF 77 R37 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	BK 67 R37 D63M4
2.4	580	542	12000	1.40	BKF 67 R37 D63M4
2.8	520	471	12300	1.60	BKA 67 R37 D63M4
3.2	445	420	12600	1.85	BKAF 67 R37 D63M4
3.7	395	361	12800	2.1	
4.1	350	323	13000	2.3	
4.7	295	279	13000	2.8	
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	BK 57 R37 D63M4
3.6	395	362	8900	1.50	BKF 57 R37 D63M4
4.1	350	319	9100	1.75	BKA 57 R37 D63M4
4.7	300	280	9290	2.0	BKAF 57 R37 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	BK 47 R37 D63M4
5.2	275	256	7290	1.45	BKF 47 R37 D63M4
5.9	245	225	7500	1.65	BKA 47 R37 D63M4
6.7	210	198	7710	1.90	BKAF 47 R37 D63M4
7.7	183	171	7860	2.2	
8.6	164	153	7950	2.4	
10	142	131	8040	2.8	
6.4	225	205	5300	0.90	BK 37 R17 D63M4
7.3	199	181	5650	1.00	BKF 37 R17 D63M4
8.2	175	160	5900	1.15	BKA 37 R17 D63M4
9.7	148	136	6140	1.35	BKAF 37 R17 D63M4
10	140	127	6200	1.45	
6.0	285	144.79	13000	2.9	BK 67 D71M6
7.0	245	123.54	13000	3.4	BKF 67 D71M6
8.1	215	108.03	13000	3.8	BKA 67 D71M6
8.5	205	102.62	13000	4.0	BKAF 67 D71M6
9.1	189	144.79	13000	4.3	BK 67 D63M4
11	161	123.54	13000	5.1	BKF 67 D63M4
12	141	108.03	13000	5.8	BKA 67 D63M4
					BKAF 67 D63M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
6.0	285	145.14	9340	2.1	BK 57 D71M6
7.0	245	123.85	9480	2.5	BKF 57 D71M6
8.0	215	108.29	9590	2.8	BKA 57 D71M6
8.5	205	102.88	9620	3.0	BKAF 57 D71M6
9.6	178	90.26	9700	3.4	
9.1	189	145.14	9670	3.2	
11	161	123.85	9750	3.7	BK 57 D63M4
12	141	108.29	9810	4.3	BKF 57 D63M4
13	134	102.88	9830	4.5	BKA 57 D63M4
15	118	90.26	9880	5.1	BKAF 57 D63M4
17	100	76.56	9920	6.0	
6.6	260	131.87	7380	1.55	
7.2	240	121.48	7530	1.65	BK 47 D71M6
8.3	205	104.37	7740	1.95	BKF 47 D71M6
9.6	180	90.86	7880	2.2	BKA 47 D71M6
10	168	85.12	7930	2.4	BKAF 47 D71M6
10	172	131.87	7910	2.3	
11	158	121.48	7970	2.5	BK 47 D63M4
13	136	104.37	8060	2.9	BKF 47 D63M4
15	118	90.86	8120	3.4	BKA 47 D63M4
16	111	85.12	8140	3.6	BKAF 47 D63M4
8.2	210	106.38	5520	0.95	BK 37 D71M6
8.9	193	97.81	5710	1.05	BKF 37 D71M6
10	165	83.69	5990	1.20	BKA 37 D71M6
12	143	72.54	6170	1.40	BKAF 37 D71M6
12	139	106.38	6210	1.45	
14	127	97.81	6280	1.55	
16	109	83.69	6400	1.85	
18	95	72.54	6470	2.1	
19	88	67.80	6500	2.3	
23	76	58.60	6280	2.6	
27	65	49.79	6010	3.1	
30	58	44.46	5830	3.5	
35	49	37.97	5580	4.1	BK 37 D63M4
37	46	35.57	5480	4.3	BKF 37 D63M4
44	39	29.96	5220	5.1	BKA 37 D63M4
46	38	28.83	5160	5.3	BKAF 37 D63M4
53	33	24.99	4950	6.2	
57	30	23.36	4850	6.4	
65	26	20.19	4650	7.0	
77	22	17.15	4430	8.1	
86	20	15.31	4280	8.8	
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					
0.13	15300	9819	75300	0.85	
0.15	13000	8443	79200	1.00	
0.17	11700	7482	79900	1.10	
0.20	10200	6565	80600	1.30	BK 127R77 D71M4
0.22	8770	5804	81200	1.50	BKF 127R77 D71M4
0.26	7670	5027	81600	1.70	BKA 127R77 D71M4
0.29	6680	4423	81900	1.95	BKAF 127R77 D71M4
0.33	5850	3889	82100	2.2	
0.39	4930	3311	82300	2.6	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
0.21	9440	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	BK 107 R77 D71M4
0.34	5850	3810	65000	1.35	BKF 107 R77 D71M4
0.39	5070	3358	65000	1.60	BKA 107 R77 D71M4
0.44	4540	2977	65000	1.75	BKAF 107 R77 D71M4
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	BK 107 R77 D71M4
0.84	2390	1554	65000	3.3	BKF 107 R77 D71M4
0.97	2060	1336	65000	3.9	BKA 107 R77 D71M4
					BKAF 107 R77 D71M4
0.42	4890	3108	40000	0.90	BK 97 R57 D71M4
0.47	4250	2757	40000	1.00	BKF 97 R57 D71M4
					BKA 97 R57 D71M4
					BKAF 97 R57 D71M4
0.54	3840	2419	40000	1.10	
0.61	3340	2123	40000	1.30	
0.70	2950	1856	40000	1.45	BK 97 R57 D71M4
0.80	2520	1625	40000	1.70	BKF 97 R57 D71M4
0.91	2190	1430	40000	1.95	BKA 97 R57 D71M4
1.0	2010	1261	40000	2.1	BKAF 97 R57 D71M4
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	BK 87 R57 D71M4
0.92	2250	1415	27800	1.20	BKF 87 R57 D71M4
1.1	1950	1229	28100	1.40	BKA 87 R57 D71M4
1.2	1700	1078	28300	1.60	BKAF 87 R57 D71M4
1.4	1470	951	28500	1.85	
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	
1.8	1100	709	17900	1.40	
2.1	960	622	18400	1.60	
2.3	860	552	18000	1.80	BK 77 R37 D71M4
2.7	755	485	19100	2.0	BKF 77 R37 D71M4
3.0	665	428	19300	2.3	BKA 77 R37 D71M4
3.5	580	367	19500	2.7	BKAF 77 R37 D71M4
4.0	515	328	19700	3.0	
4.5	460	290	19800	3.4	
5.2	395	252	19900	3.9	
5.9	345	221	19900	4.5	
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	BK 67 R37 D71M4
3.1	655	420	11600	1.25	BKF 67 R37 D71M4
3.6	575	361	12000	1.45	BKA 67 R37 D71M4
4.0	510	323	12400	1.60	BKAF 67 R37 D71M4
4.7	435	279	12700	1.90	
5.3	385	246	12900	2.1	
6.0	335	217	13000	2.4	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
0.25kW							
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	BK	57	R37 D71M4
6.1	335	215	9150	1.80	BKF	57	R37 D71M4
6.8	300	192	9280	2.0	BKA	57	R37 D71M4
7.8	260	166	9430	2.3	BKAF	57	R37 D71M4
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	BK	77	D80N8
5.0	475	135.28	19700	3.3	BKF	77	D80N8
5.3	450	128.52	19800	3.4	BKA	77	D80N8
6.0	400	113.56	19900	3.9	BKAF	77	D80N8
4.6	520	192.18	19700	2.8	BK	77	D71D6
4.9	485	179.37	19700	3.0	BKF	77	D71D6
5.7	420	154.02	19800	3.7	BKA	77	D71D6
6.5	365	135.28	19900	4.2	BKAF	77	D71D6
5.5	435	123.54	12700	1.90	BK	67	D80N8
6.3	380	108.03	12900	2.2	BKF	67	D80N8
6.6	360	102.62	12900	2.3	BKA	67	D80N8
7.6	315	90.04	13000	2.6	BKAF	67	D80N8
6.1	395	144.79	12800	2.1	BK	67	D71D6
7.1	335	123.54	13000	2.5	BKF	67	D71D6
8.1	395	108.03	13000	2.8	BKA	67	D71D6
8.6	280	102.62	13000	3.0	BKAF	67	D71D6
9.0	265	144.79	13000	3.1	BK	67	D71M4
11	225	123.54	13000	3.6	BKF	67	D71M4
12	198	108.03	13000	4.1	BKA	67	D71M4
13	189	102.62	13000	4.3	BKAF	67	D71M4
6.1	395	145.14	8910	1.50			
7.1	335	123.85	9150	1.80	BK	57	D71D6
8.1	295	108.29	9310	2.0	BKF	57	D71D6
8.6	280	102.88	9360	2.2	BKA	57	D71D6
9.8	245	90.26	9480	2.5	BKAF	57	D71D6
11	210	76.56	9610	2.9			
9.0	265	145.14	9410	2.2			
11	225	123.85	9540	2.6	BK	57	D71M4
12	199	108.29	9640	3.0	BKF	57	D71M4
13	189	102.88	9670	3.2	BKA	57	D71M4
14	166	90.26	9740	3.6	BKAF	57	D71M4
17	141	76.56	9810	4.3			
6.7	360	131.87	6470	1.10			
7.2	330	121.48	6780	1.20	BK	47	D71D6
8.4	285	104.37	7210	1.40	BKF	47	D71D6
9.7	245	90.86	7480	1.60	BKA	47	D71D6
10	230	85.12	7590	1.75	BKAF	47	D71D6
9.9	240	131.87	7510	1.65			
11	225	121.48	7640	1.80	BK	47	D71M4
12	192	104.37	7820	2.1	BKF	47	D71M4
14	167	90.86	7930	2.4	BKA	47	D71M4
15	156	85.12	7980	2.6	BKAF	47	D71M4
11	225	83.69	5300	0.90			
12	197	72.54	5680	1.00	BK	37	D71D6
13	184	67.80	5810	1.10	BKF	37	D71D6
15	159	58.60	6050	1.25	BKA	37	D71D6
18	135	49.79	6230	1.50	BKAF	37	D71D6

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
0.25kW							
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	BK	37	D71M4
45	53	28.83	5050	3.8	BKF	37	D71M4
52	46	24.99	4860	4.4	BKA	37	D71M4
56	43	23.36	4770	4.6	BKAF	37	D71M4
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							
0.18	16600	7482	72600	0.80			
0.21	14500	6565	76900	0.90	BK	127	R77 D71D4
0.24	12600	5804	79400	1.05	BKF	127	R77 D71D4
0.27	11000	5027	80200	1.20	BKA	127	R77 D71D4
0.31	9610	4423	80800	1.35	BKAF	127	R77 D71D4
0.35	8430	3889	81300	1.55			
0.42	7120	3311	81700	1.85			
0.72	4230	1926	82500	3.1	BK	127	R77 D71D4
0.79	3860	1757	82500	3.4	BKF	127	R77 D71D4
0.90	3360	1541	82600	3.9	BKA	127	R77 D71D4
					BKAF	127	R77 D71D4
0.36	8380	3810	65000	0.95			
0.41	7300	3358	65000	1.10	BK	107	R77 D71D4
0.46	6510	2977	65000	1.25	BKF	107	R77 D71D4
0.53	5690	2599	65000	1.40	BKA	107	R77 D71D4
0.60	4970	2286	65000	1.60	BKAF	107	R77 D71D4
0.71	4210	1939	65000	1.90			
0.81	3790	1713	65000	2.1	BK	107	R77 D71D4
0.89	3440	1554	65000	2.3	BKF	107	R77 D71D4
1.0	2950	1336	65000	2.7	BKA	107	R77 D71D4
1.2	2580	1166	65000	3.1	BKAF	107	R77 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	BK	97	R57 D71D4
1.1	2850	1261	40000	1.50	BKF	97	R57 D71D4
1.2	2490	1102	40000	1.70	BKA	97	R57 D71D4
1.4	2160	957	40000	2.0	BKAF	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	573	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	951	27900	1.30	BK	87	R57 D71D4
1.6	1850	837	28200	1.45	BKF	87	R57 D71D4
1.9	1600	726	28400	1.70	BKA	87	R57 D71D4
2.2	1420	638	28500	1.90	BKAF	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_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BK	77	R37 D71D4
3.8	830	367	18900	1.85	BKF	77	R37 D71D4
4.2	735	328	19200	2.1	BKA	77	R37 D71D4
4.8	655	290	19400	2.4	BKAF	77	R37 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	BK	67	R37 D71D4
5.6	550	246	12200	1.50	BKF	67	R37 D71D4
6.3	485	217	12500	1.70	BKA	67	R37 D71D4
7.2	430	191	12700	1.90	BKAF	67	R37 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	BK	57	R37 D71D4
8.3	370	166	9000	1.60	BKF	57	R37 D71D4
9.6	325	145	9200	1.85	BKA	57	R37 D71D4
11	290	129	9320	2.1	BKAF	57	R37 D71D4
12	245	111	9480	2.4			
14	215	97	9580	2.8			
3.9	910	174.19	28800	3.0	BK	87	D90S8
4.1	850	164.34	28900	3.2	BKF	87	D90S8
4.6	765	147.32	28900	3.5	BKA	87	D90S8
					BKAF	87	D90S8
4.6	775	197.37	28900	3.5	BK	87	D80K6
5.2	685	174.19	28900	4.0	BKF	87	D80K6
					BKA	87	D80K6
					BKAF	87	D80K6
5.0	705	135.28	19300	2.2	BK	77	D90S8
5.3	670	128.52	19300	2.3	BKF	77	D90S8
6.0	590	113.56	19500	2.6	BKA	77	D90S8
7.0	505	97.05	19700	3.1	BKAF	77	D90S8
5.8	605	154.02	19500	2.6	BK	77	D80K6
6.7	530	135.28	19600	2.9	BKF	77	D80K6
7.0	505	128.52	19700	3.1	BKA	77	D80K6
7.9	445	113.56	19800	3.5	BKAF	77	D80K6
7.2	490	192.18	19700	3.0	BK	77	D71D4
7.7	460	179.37	19800	3.2	BKF	77	D71D4
9.0	395	154.02	19900	3.9	BKA	77	D71D4
					BKAF	77	D71D4
6.3	560	108.03	12100	1.45	BK	67	D90S8
6.6	535	102.62	12300	1.55	BKF	67	D90S8
7.6	470	90.04	12600	1.75	BKA	67	D90S8
					BKAF	67	D90S8
7.3	485	123.54	12500	1.70	BK	67	D80K6
8.3	425	108.03	12700	1.95	BKF	67	D80K6
8.8	405	102.62	12800	2.0	BKA	67	D80K6
10	355	90.04	13000	2.3	BKAF	67	D80K6
9.5	370	144.79	12900	2.2			
11	315	123.54	13000	2.6	BK	67	D71D4
13	275	108.03	13000	3.0	BKF	67	D71D4
15	230	90.04	13000	3.6	BKA	67	D71D4
18	196	76.37	13000	4.2	BKAF	67	D71D4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
0.37kW							
7.3	485	123.85	8490	1.25			
8.3	425	108.29	8770	1.40	BK	57	D80K6
8.8	405	102.88	8870	1.50	BKF	57	D80K6
10	355	90.26	9070	1.70	BKA	57	D80K6
12	300	76.56	9280	2.0	BKAF	57	D80K6
13	270	69.12	9390	2.2			
9.5	370	145.14	9000	1.60			
11	315	123.85	9220	1.90	BK	57	D71D4
13	275	108.29	9370	2.2	BKF	57	D71D4
13	265	102.88	9420	2.3	BKA	57	D71D4
15	230	90.26	9530	2.6	BKAF	57	D71D4
18	196	76.56	9650	3.1			
20	177	69.12	9700	3.4			
8.6	410	104.37	5490	1.00	BK	47	D80K6
9.9	355	90.86	6480	1.10	BKF	47	D80K6
11	335	85.12	6730	1.20	BKA	47	D80K6
12	295	75.20	7100	1.35	BKAF	47	D80K6
10	340	131.87	6690	1.20	BK	47	D71D4
11	310	121.48	6960	1.30	BKF	47	D71D4
13	265	104.37	7330	1.50	BKA	47	D71D4
					BKAF	47	D71D4
15	235	90.86	7580	1.70			
16	220	85.12	7670	1.85	BK	47	D71D4
18	193	75.20	7810	2.1	BKF	47	D71D4
20	179	69.84	7880	2.2	BKA	47	D71D4
22	162	63.30	7960	2.5	BKAF	47	D71D4
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	BK	37	D71D4
48	74	28.83	4750	2.7	BKF	37	D71D4
55	64	24.99	4590	3.1	BKA	37	D71D4
59	60	23.36	4510	3.3	BKAF	37	D71D4
68	52	20.19	4350	3.6			
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			
173	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							
0.08	55900	16978	179800	0.90	BK	187	R97 D80K4
0.10	46500	14272	190000	1.10	BKF	187	R97 D80K4
0.10	42500	13116	190000	1.20	BKA	187	R97 D80K4
0.12	37400	11647	190000	1.35	BKAF	187	R97 D80K4
0.19	23900	7343	190000	2.1			
0.12	38400	11573	150000	0.85			
0.13	33800	10264	150000	0.95	BK	167	R97 D80K4
0.16	28100	8628	150000	1.15	BKF	167	R97 D80K4
0.21	21400	6562	150000	1.50	BKA	167	R97 D80K4
0.25	17200	5355	150000	1.85	BKAF	167	R97 D80K4
0.33	13200	4079	150000	2.4			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.55kW					
0.20	22400	6881	109700	0.80	BK 157R97D80K4
0.23	19300	5931	111500	0.95	BKF 157R97D80K4
0.34	13000	3979	114400	1.40	BKA 157R97D80K4
0.45	9940	3051	115300	1.80	BKAF 157R97D80K4
0.31	14900	4423	76200	0.85	
0.35	13000	3889	79200	1.00	BK 127R77D80K4
0.41	11100	3311	80200	1.20	BKF 127R77D80K4
0.45	10000	3009	80700	1.30	BKA 127R77D80K4
0.52	8630	2607	81200	1.50	BKAF 127R77D80K4
0.71	6560	1926	81900	2.0	
0.77	5980	1757	82100	2.2	BK 127R77D80K4
0.88	5220	1541	82300	2.5	BKF 127R77D80K4
1.0	4570	1342	82400	2.8	BKA 127R77D80K4
1.2	3990	1177	82500	3.3	BKAF 127R77D80K4
1.3	3490	1025	82600	3.7	
0.46	10100	2977	65000	0.80	BK 107R77D80K4
0.52	8770	2599	65000	0.90	BKF 107R77D80K4
0.59	7690	2286	65000	1.05	BKA 107R77D80K4
0.70	6520	1939	65000	1.25	BKAF 107R77D80K4
0.79	5850	1713	65000	1.35	
0.87	5310	1554	65000	1.50	
1.0	4570	1336	65000	1.75	BK 107R77D80K4
1.2	3990	1166	65000	2.0	BKF 107R77D80K4
1.3	3450	1030	65000	2.3	BKA 107R77D80K4
1.5	3000	904	65000	2.7	BKAF 107R77D80K4
1.7	2700	793	65000	3.0	
2.0	2360	696	65000	3.4	
2.2	2050	615	65000	3.9	
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	BK 97 R57D80K4
1.6	2960	855	40000	1.45	BKF 97 R57D80K4
1.8	2520	743	40000	1.70	BKA 97 R57D80K4
2.1	2220	652	40000	1.95	BKAF 97 R57D80K4
2.4	1970	573	40000	2.2	
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	BK 87 R57D80K4
2.9	1620	474	28400	1.65	BKF 87 R57D80K4
3.2	1450	426	28500	1.85	BKA 87 R57D80K4
3.7	1260	373	28600	2.1	BKAF 87 R57D80K4
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	BK 77 R37D80K4
4.2	1130	328	17800	1.35	BKF 77 R37D80K4
4.7	1000	290	18300	1.55	BKA 77 R37D80K4
5.4	870	252	18800	1.80	BKAF 77 R37D80K4
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	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.55kW					
4.9	960	279	7360	0.85	
5.5	840	246	10100	0.95	
6.2	745	217	10900	1.10	BK 67 R37 D80K4
7.1	660	191	11500	1.25	BKF 67 R37 D80K4
8.2	570	166	12100	1.45	BKA 67 R37 D80K4
9.4	495	144	12400	1.65	BKAF 67 R37 D80K4
11	420	122	12700	1.95	
7.1	660	192	5180	0.90	
8.2	575	166	7850	1.05	BK 57 R37 D80K4
9.4	495	145	8430	1.20	BKF 57 R37 D80K4
11	445	129	8680	1.35	BKA 57 R37 D80K4
12	380	111	8970	1.60	BKAF 57 R37 D80K4
14	335	97	9150	1.80	
3.9	1350	174.19	28600	2.0	BK 87 D90L8
4.1	1270	164.34	28600	2.1	BKF 87 D90L8
4.6	1140	147.32	28700	2.4	BKA 87 D90L8
					BKAF 87 D90L8
4.6	1150	197.37	28700	2.3	BK 87 D80N6
5.2	1020	174.19	28800	2.7	BKF 87 D80N6
5.5	960	164.34	28800	2.8	BKA 87 D80N6
6.1	860	147.32	28900	3.1	BKAF 87 D80N6
5.0	1040	135.28	18100	1.50	BK 77 D90L8
5.3	990	128.52	18300	1.55	BKF 77 D90L8
6.0	880	113.56	18700	1.75	BKA 77 D90L8
7.0	750	97.05	19100	2.1	BKAF 77 D90L8
5.8	900	154.02	18700	1.70	BK 77 D80N6
6.7	790	135.28	19000	1.95	BKF 77 D80N6
7.0	750	128.52	19100	2.1	BKA 77 D80N6
7.9	665	113.56	19400	2.3	BKAF 77 D80N6
8.8	595	154.02	19500	2.6	
10	520	135.28	19700	3.0	BK 77 D80K4
11	495	128.52	19700	3.1	BKF 77 D80K4
12	440	113.56	19800	3.5	BKA 77 D80K4
14	375	97.05	19900	4.1	BKAF 77 D80K4
7.3	720	123.54	11100	1.15	
8.3	630	108.03	11700	1.30	BK 67 D80N6
8.8	600	102.62	11900	1.35	BKF 67 D80N6
10	525	90.04	12300	1.55	BKA 67 D80N6
12	445	76.37	12600	1.85	BKAF 67 D80N6
11	475	123.54	12500	1.70	BK 67 D80K4
13	415	108.03	12800	1.95	BKF 67 D80K4
15	350	90.04	13000	2.4	BKA 67 D80K4
18	295	76.37	13000	2.8	BKAF 67 D80K4
8.3	630	108.29	7360	0.95	
8.8	600	102.88	7630	1.00	
10	525	90.26	8220	1.15	BK 57 D80N6
12	445	76.56	8670	1.35	BKF 57 D80N6
13	405	69.12	8870	1.50	BKA 57 D80N6
15	355	60.81	9070	1.70	BKAF 57 D80N6
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	BK 57 D80K4
15	350	90.26	9100	1.70	BKF 57 D80K4
18	295	76.56	9300	2.0	BKA 57 D80K4
20	265	69.12	9410	2.2	BKAF 57 D80K4
22	235	60.81	9520	2.6	
24	220	57.42	9560	2.7	
13	405	104.37	5880	1.00	
15	350	90.86	6550	1.15	BK 47 D80K4
16	330	85.12	6790	1.20	BKF 47 D80K4
18	290	75.20	7150	1.40	BKA 47 D80K4
19	270	69.84	7310	1.50	BKAF 47 D80K4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.55kW					
21	245	63.30	7500	1.65	BK 47 D80K4
24	220	56.83	7660	1.80	BKF 47 D80K4
28	189	48.95	7830	2.1	BKA 47 D80K4
30	178	46.03	7880	2.2	BKAF 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	BK 37 D80K4
58	90	23.36	4260	2.2	BKF 37 D80K4
67	78	20.19	4130	2.4	BKA 37 D80K4
79	66	17.15	3980	2.7	BKAF 37 D80K4
89	59	15.31	3880	3.0	
104	51	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					
0.11	58400	13116	175300	0.85	
0.12	51500	11647	187300	0.95	BK 187 R97 D80N4
0.19	32800	7343	190000	1.50	BKH 187 R97 D80N4
0.20	30000	6747	190000	1.65	
0.23	26500	5991	190000	1.90	
0.16	38600	8628	150000	0.85	
0.21	29300	6562	150000	1.10	BK 167 R97 D80N4
0.26	23700	5355	150000	1.35	BKH 167 R97 D80N4
0.34	18200	4079	150000	1.75	
0.41	15100	3376	150000	2.1	
0.35	17800	3979	112300	1.00	BK 157 R97 D80N4
0.45	13600	3051	114100	1.30	BKF 157 R97 D80N4
					BKA 157 R97 D80N4
					BKAF 157 R97 D80N4
0.83	7440	1659	115900	2.4	BK 157 R97 D80N4
1.0	6040	1365	116200	3.0	BKF 157 R97 D80N4
					BKA 157 R97 D80N4
					BKAF 157 R97 D80N4
0.42	15100	3311	75800	0.85	BK 127 R77 D80N4
0.46	13700	3009	78600	0.95	BKF 127 R77 D80N4
0.53	11800	2607	79800	1.10	BKA 127 R77 D80N4
					BKAF 127 R77 D80N4
0.72	8930	1926	81100	1.45	
0.79	8150	1757	81400	1.60	BK 127 R77 D80N4
0.90	7120	1541	81700	1.85	BKF 127 R77 D80N4
1.0	6220	1342	82000	2.1	BKA 127 R77 D80N4
1.2	5440	1177	82200	2.4	BKAF 127 R77 D80N4
1.4	4750	1025	82400	2.7	
1.5	4150	899	82500	3.1	
0.81	7960	1713	65000	1.00	
0.89	7230	1554	65000	1.10	
1.0	6210	1336	65000	1.30	BK 107 R77 D80N4
1.2	5420	1166	65000	1.50	BKF 107 R77 D80N4
1.3	4710	1030	65000	1.70	BKA 107 R77 D80N4
1.5	4120	904	65000	1.95	BKAF 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 [1/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}[1] [N]	使用系数 Service factor f_s	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	
2.1	3020	652	40000	1.40	BK 97R57 D80N4
2.4	2680	573	40000	1.60	BKF 97R57 D80N4
2.7	2320	504	40000	1.85	BKA 97R57 D80N4
3.2	2010	437	40000	2.1	BKAF 97R57 D80N4
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	BK 87R57 D80N4
3.2	1980	426	28100	1.35	BKF 87R57 D80N4
3.7	1720	373	28300	1.55	BKA 87R57 D80N4
4.2	1520	330	28500	1.80	BKAF 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	
4.2	1540	328	15500	1.00	BK 77R37 D80N4
4.8	1360	290	16600	1.15	BKF 77R37 D80N4
5.5	1180	252	17500	1.30	BKA 77R37 D80N4
6.2	1030	221	18200	1.50	BKAF 77R37 D80N4
3.9	1830	176.05	40000	2.3	BK 97 D100M8
4.5	1590	153.21	40000	2.7	BKF 97 D100M8
4.9	1460	140.28	40000	3.0	BKA 97 D100M8
					BKAF 97 D100M8
4.7	1530	147.32	28500	1.75	BK 87 D100M8
5.4	1320	126.91	28600	2.0	BKF 87 D100M8
6.0	1200	115.82	28700	2.2	BKA 87 D100M8
6.7	1070	102.71	28700	2.5	BKAF 87 D100M8
5.2	1390	174.19	28600	1.95	BK 87 D90S6
5.5	1310	164.34	28600	2.1	BKF 87 D90S6
6.1	1170	147.32	28700	2.3	BKA 87 D90S6
7.1	1010	126.91	28800	2.7	BKAF 87 D90S6
7.0	1020	197.37	28800	2.6	BK 87 D80N4
7.9	900	174.19	28800	3.0	BKF 87 D80N4
8.4	850	164.34	28900	3.2	BKA 87 D80N4
9.4	765	147.32	28900	3.5	BKAF 87 D80N4
6.7	1080	135.28	18000	1.45	BK 77 D90S6
7.0	1020	128.52	18200	1.50	BKF 77 D90S6
7.9	900	113.56	18700	1.70	BKA 77 D90S6
9.3	770	97.05	19100	2.0	BKAF 77 D90S6
10	710	88.97	19200	2.2	
9.0	800	154.02	19000	1.95	BK 77 D80N4
10	700	135.28	19300	2.2	BKF 77 D80N4
11	665	128.52	19300	2.3	BKA 77 D80N4
12	590	113.56	19500	2.6	BKAF 77 D80N4
14	505	97.05	19700	3.1	
11	640	123.54	11700	1.30	BK 67 D80N4
13	560	108.03	12100	1.45	BKF 67 D80N4
15	465	90.04	12600	1.75	BKA 67 D80N4
					BKAF 67 D80N4
18	395	76.37	12800	2.1	BK 67 D80N4
20	360	68.95	13000	2.3	BKF 67 D80N4
23	315	60.66	13000	2.6	BKA 67 D80N4
24	295	57.28	13000	2.8	BKAF 67 D80N4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BK 57 D80N4
18	395	76.56	8890	1.50	BKF 57 D80N4
20	360	69.12	9060	1.65	BKA 57 D80N4
23	315	60.81	9230	1.90	BKAF 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	BK 47 D80N4
20	365	69.84	6410	1.10	BKF 47 D80N4
22	330	63.30	6790	1.20	BKA 47 D80N4
					BKAF 47 D80N4
24	295	56.83	7110	1.35	
28	255	48.95	7430	1.55	BK 47 D80N4
30	240	46.03	7540	1.65	BKF 47 D80N4
35	205	39.61	7740	1.95	BKA 47 D80N4
39	184	35.39	7760	2.2	BKAF 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	BK 37 D80N4
68	105	20.19	3860	1.75	BKF 37 D80N4
80	89	17.15	3750	2.0	BKA 37 D80N4
90	80	15.31	3670	2.2	BKAF 37 D80N4
105	68	13.08	3550	2.4	
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					
0.15	60700	9363	171000	0.80	
0.17	52400	8126	185900	0.95	
0.19	48300	7343	190000	1.05	
0.21	44300	6747	190000	1.15	BK 187 R97 D90S4
0.23	39200	5991	190000	1.30	BKH 187 R97 D90S4
0.26	34900	5358	190000	1.45	
0.29	31200	4817	190000	1.60	
0.32	28300	4370	190000	1.75	
0.26	35000	5355	150000	0.90	
0.29	31200	4788	150000	1.05	
0.34	26800	4079	150000	1.20	BK 167 R97 D90S4
0.41	22200	3376	150000	1.45	BKH 167 R97 D90S4
0.51	18000	2755	150000	1.80	
0.64	14600	2182	150000	2.2	
0.82	11300	1704	150000	2.8	BK 167 R97 D90S4
0.99	9330	1408	150000	3.4	BKH 167 R97 D90S4
1.1	8560	1296	150000	3.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
0.40	22900	3516	109300	0.80	BK 157 R97 D90S4
0.46	20100	3051	111100	0.90	BKF 157 R97 D90S4
0.54	16900	2610	112700	1.05	BKA 157 R97 D90S4
0.60	15100	2322	113500	1.20	BKAF 157 R97 D90S4
0.84	11000	1659	115000	1.65	
1.0	8970	1365	115600	2.0	BK 157 R97 D90S4
1.1	8030	1229	115800	2.2	BKF 157 R97 D90S4
1.3	7150	1093	116000	2.5	BKA 157 R97 D90S4
1.5	6160	942	116100	2.9	BKAF 157 R97 D90S4
1.6	5550	854	116200	3.2	
0.73	13100	1926	79100	1.00	
0.80	11900	1757	79800	1.10	
0.91	10400	1541	80500	1.25	
1.0	9100	1342	81100	1.45	BK 127 R77 D90S4
1.2	7960	1177	81500	1.65	BKF 127 R77 D90S4
1.4	6950	1025	81800	1.85	BKA 127 R77 D90S4
1.6	6080	899	82000	2.1	BKAF 127 R77 D90S4
1.8	5270	790	82200	2.5	
2.0	4740	704	82400	2.7	
2.3	4090	610	82500	3.2	
2.5	3690	549	82500	3.5	
2.9	3180	477	82600	4.1	
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	BK 107 R77 D90S4
2.0	4700	696	65000	1.70	BKF 107 R77 D90S4
2.3	4120	615	65000	1.95	BKA 107 R77 D90S4
2.7	3500	522	65000	2.3	BKAF 107 R77 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	BK 97 R57 D90S4
2.4	3910	573	40000	1.10	BKF 97 R57 D90S4
2.8	3400	504	40000	1.25	BKA 97 R57 D90S4
3.2	2940	437	40000	1.45	BKAF 97 R57 D90S4
3.7	2590	382	40000	1.65	
4.1	2300	342	40000	1.85	
3.0	3220	474	26600	0.85	
3.3	2890	426	27000	0.95	
3.8	2520	373	27500	1.05	BK 87 R57 D90S4
4.2	2230	330	27800	1.20	BKF 87 R57 D90S4
4.8	1980	294	28100	1.35	BKA 87 R57 D90S4
5.6	1700	250	28300	1.60	BKAF 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	BK 97 D100L8
4.4	2370	153.21	40000	1.80	BKF 97 D100L8
4.8	2170	140.28	40000	2.0	BKA 97 D100L8
5.5	1910	123.93	40000	2.2	BKAF 97 D100L8
5.2	2010	176.05	40000	2.1	BK 97 D90L6
6.0	1750	153.21	40000	2.5	BKF 97 D90L6
6.6	1600	140.28	40000	2.7	BKA 97 D90L6
7.4	1420	123.93	40000	3.0	BKAF 97 D90L6
7.9	1320	176.05	40000	3.3	BK 97 D90S4
9.1	1150	153.21	40000	3.7	BKF 97 D90S4
10	1050	140.28	40000	4.1	BKA 97 D90S4
					BKAF 97 D90S4
5.3	1990	174.19	28100	1.35	BK 87 D90L6
5.6	1880	164.34	28200	1.45	BKF 87 D90L6
6.2	1680	147.32	28300	1.60	BKA 87 D90L6
7.2	1450	126.91	28500	1.85	BKAF 87 D90L6

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
8.0	1310	174.19	28600	2.1	BK 87 D90S4
8.5	1230	164.34	28700	2.2	BKF 87 D90S4
9.5	1110	147.32	28700	2.4	BKA 87 D90S4
11	950	126.91	28800	2.8	BKAF 87 D90S4
12	870	115.82	28800	3.1	
6.8	1540	135.28	15400	1.00	BK 77 D90L6
7.2	1470	128.52	15900	1.05	BKF 77 D90L6
8.1	1300	113.56	17000	1.20	BKA 77 D90L6
9.5	1110	97.05	17900	1.40	BKAF 77 D90L6
10	1020	135.28	18300	1.55	BK 77 D90S4
11	960	128.52	18400	1.60	BKF 77 D90S4
12	850	113.56	18800	1.80	BKA 77 D90S4
					BKAF 77 D90S4
14	730	97.05	19200	2.1	BK 77 D90S4
16	670	88.97	19300	2.3	BKF 77 D90S4
18	585	78.07	19500	2.7	BKA 77 D90S4
19	555	73.99	19600	2.8	BKAF 77 D90S4
13	810	108.03	10400	1.00	
14	770	102.62	10700	1.05	BK 67 D90S4
16	675	90.04	11400	1.20	BKF 67 D90S4
18	575	76.37	12000	1.45	BKA 67 D90S4
20	515	68.95	12300	1.60	BKAF 67 D90S4
23	455	60.66	12600	1.80	
24	430	57.28	12700	1.90	BK 67 D90S4
29	365	48.77	12900	2.2	BKF 67 D90S4
32	335	44.32	13000	2.5	BKA 67 D90S4
36	290	38.39	13000	2.8	BKAF 67 D90S4
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	BK 57 D90S4
24	430	57.42	8750	1.40	BKF 57 D90S4
29	365	48.89	9020	1.65	BKA 57 D90S4
32	335	44.43	9160	1.80	BKAF 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	
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	BK 57 D90S4
92	114	15.22	8180	4.7	BKF 57 D90S4
106	99	13.25	7880	5.1	BKA 57 D90S4
117	90	11.92	7570	4.6	BKAF 57 D90S4
124	85	11.26	7450	4.9	
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	BK 47 D90S4
29	365	48.95	6360	1.10	BKF 47 D90S4
30	345	46.03	6610	1.15	BKA 47 D90S4
					BKAF 47 D90S4
35	295	39.61	7090	1.35	
40	265	35.39	7090	1.50	BK 47 D90S4
45	235	31.30	6960	1.70	BKF 47 D90S4
48	220	29.32	6890	1.80	BKA 47 D90S4
54	194	25.91	6730	2.1	BKAF 47 D90S4
64	164	21.81	6510	2.4	
72	147	19.58	6360	2.7	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.1kW					
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	BK 37 D90S4
107	98	13.08	3260	1.70	BKF 37 D90S4
115	91	12.14	3220	1.75	BKA 37 D90S4
133	79	10.49	3140	2.0	BKAF 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					
0.21	60700	6747	171100	0.80	
0.24	53700	5991	183600	0.95	
0.26	47900	5358	190000	1.05	BK 187 R97 D90L4
0.29	42900	4817	190000	1.15	BKH 187 R97 D90L4
0.32	38900	4370	190000	1.30	
0.39	33000	3609	190000	1.50	
0.46	27800	3062	190000	1.80	BK 187 R97 D90L4
0.56	22800	2519	190000	2.2	BKH 187 R97 D90L4
0.62	20400	2268	190000	2.5	
0.35	36700	4079	150000	0.85	
0.42	30400	3376	150000	1.05	BK 167 R97 D90L4
0.51	24700	2755	150000	1.30	BKH 167 R97 D90L4
0.65	19900	2182	150000	1.60	
0.83	15500	1704	150000	2.1	BK 167 R97 D90L4
1.0	12800	1408	150000	2.5	BKH 167 R97 D90L4
1.1	11800	1296	150000	2.7	
0.61	20700	2322	110700	1.85	BK 157 R97 D90L4 BKF 157 R97 D90L4 BKA 157 R97 D90L4 BKAF 157 R97 D90L4
0.85	15100	1659	113500	1.20	
1.0	12300	1365	114600	1.45	
1.1	11100	1229	115000	1.65	BK 157 R97 D90L4
1.3	9840	1093	115300	1.85	BKF 157 R97 D90L4
1.5	8480	942	115700	2.1	BKA 157 R97 D90L4
1.6	7650	854	115900	2.3	BKAF 157 R97 D90L4
2.5	5050	567	116300	3.6	
2.8	4490	504	116400	4.0	
2.6	4820	536	82300	2.7	BK 127 R87 D90L4
3.4	3770	418	82500	3.5	BKF 127 R87 D90L4
3.8	3330	367	82600	3.9	BKA 127 R87 D90L4
					BKAF 127 R87 D90L4
0.80	16200	1757	73400	0.80	
0.91	14200	1541	77500	0.90	
1.0	12400	1342	79500	1.05	
1.2	10900	1177	80300	1.20	
1.4	9470	1025	80900	1.35	BK 127 R77 D90L4
1.6	8300	899	81400	1.55	BKF 127 R77 D90L4
1.8	7210	790	81700	1.80	BKA 127 R77 D90L4
2.0	6480	704	81900	2.0	BKAF 127 R77 D90L4
2.3	5590	610	82200	2.3	
2.6	5040	549	82300	2.6	
3.0	4360	477	82400	3.0	
3.4	3840	418	82500	3.4	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
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	BK 107 R77 D90L4
2.3	5640	615	65000	1.40	BKF 107 R77 D90L4
2.7	4780	522	65000	1.65	BKA 107 R77 D90L4
3.1	4210	461	65000	1.90	BKAF 107 R77 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	BK 97 R57 D90L4
3.7	3540	382	40000	1.20	BKF 97 R57 D90L4
4.1	3140	342	40000	1.35	BKA 97 R57 D90L4
4.6	2820	305	40000	1.50	BKAF 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	BK 87 R57 D90L4
5.6	2310	250	27700	1.15	BKF 87 R57 D90L4
6.0	2180	236	27900	1.25	BKA 87 R57 D90L4
7.0	1860	201	28200	1.45	BKAF 87 R57 D90L4
7.7	1690	183	28300	1.60	
4.9	2940	143.47	65000	2.7	BK 107 D112M8
5.8	2490	121.46	65000	3.2	BKF 107 D112M8
6.2	2300	112.41	65000	3.5	BKA 107 D112M8
					BKAF 107 D112M8
					BK 97 D112M8
4.6	3140	153.21	40000	1.35	BKF 97 D112M8
5.0	2870	140.28	40000	1.50	BKA 97 D112M8
5.7	2540	123.93	40000	1.70	BKAF 97 D112M8
5.2	2740	176.05	40000	1.55	BK 97 D100M6
6.0	2390	153.21	40000	1.80	BKF 97 D100M6
6.6	2180	140.28	40000	1.95	BKA 97 D100M6
7.4	1930	123.93	40000	2.2	BKAF 97 D100M6
8.0	1790	176.05	40000	2.4	BK 97 D90L4
9.2	1560	153.21	40000	2.8	BKF 97 D90L4
10	1430	140.28	40000	3.0	BKA 97 D90L4
11	1260	123.93	40000	3.4	BKAF 97 D90L4
6.2	2290	147.32	27800	1.20	BK 87 D100M6
7.2	1980	126.91	28100	1.35	BKF 87 D100M6
7.9	1800	115.82	28200	1.50	BKA 87 D100M6
9.0	1600	102.71	28400	1.70	BKAF 87 D100M6
8.1	1770	174.19	28300	1.55	
8.6	1670	164.34	28300	1.60	BK 87 D90L4
9.6	1500	147.32	28500	1.80	BKF 87 D90L4
11	1290	126.91	28600	2.1	BKA 87 D90L4
12	1180	115.82	28700	2.3	BKAF 87 D90L4
14	1040	102.71	28800	2.6	
16	880	86.34	28800	3.1	
8.1	1770	113.56	13600	0.90	BK 77 D100M6
9.5	1510	97.05	15700	1.05	BKF 77 D100M6
10	1390	88.97	16400	1.10	BKA 77 D100M6
12	1220	78.07	17400	1.30	BKAF 77 D100M6
10	1370	135.28	16500	1.15	BK 77 D90L4
11	1310	128.52	16900	1.20	BKF 77 D90L4
12	1150	113.56	17700	1.35	BKA 77 D90L4
15	990	97.05	18400	1.55	BKAF 77 D90L4
16	900	88.97	18700	1.70	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
1.5kW					
18	795	78.07	19000	1.95	
19	750	73.99	19100	2.1	
22	660	64.75	19400	2.4	BK 77 D90L4
24	595	58.34	19500	2.6	BKF 77 D90L4
28	520	51.18	19700	3.0	BKA 77 D90L4
31	460	45.16	19800	3.4	BKAF 77 D90L4
35	405	40.04	19800	3.8	
16	910	90.04	9370	0.90	
18	775	76.37	10700	1.05	BK 67 D90L4
20	700	68.95	11300	1.15	BKF 67 D90L4
23	615	60.66	11800	1.35	BKA 67 D90L4
25	580	57.28	12000	1.40	BKAF 67 D90L4
29	495	48.77	12400	1.65	
32	450	44.32	12600	1.80	
37	390	38.39	12800	2.0	BK 67 D90L4
40	360	35.62	12900	2.3	BKF 67 D90L4
47	305	30.22	13000	2.7	BKA 67 D90L4
52	275	27.28	13000	3.0	BKAF 67 D90L4
59	245	24.00	13000	3.3	
23	620	60.81	7480	0.95	BK 57 D90L4
25	685	57.42	7770	1.05	BKF 57 D90L4
29	495	48.89	8430	1.20	BKA 57 D90L4
32	450	44.43	8650	1.35	BKAF 57 D90L4
37	390	38.49	8920	1.55	
39	365	35.70	9040	1.65	
47	310	30.28	9190	1.95	BK 57 D90L4
52	280	27.34	9010	2.2	BKF 57 D90L4
59	245	24.05	8780	2.5	BKA 57 D90L4
62	230	22.71	8670	2.6	BKAF 57 D90L4
73	196	19.34	8360	2.9	
36	400	39.61	5890	1.00	BK 47 D90L4
40	360	35.39	6360	1.10	BKF 47 D90L4
45	320	31.30	6310	1.25	BKA 47 D90L4
					BKAF 47 D90L4
48	300	29.32	6270	1.35	
54	265	25.91	6190	1.50	
65	220	21.81	6050	1.80	
72	199	19.58	5950	2.0	BK 47 D90L4
84	171	16.86	5800	2.2	BKF 47 D90L4
89	161	15.86	5730	2.4	BKA 47 D90L4
103	139	13.65	5560	2.6	BKAF 47 D90L4
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	BK 37 D90L4
108	133	13.08	2930	1.25	BKF 37 D90L4
116	123	12.14	2920	1.30	BKA 37 D90L4
134	107	10.49	2880	1.50	BKAF 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					
0.32	57900	4370	176200	0.85	BK 187 R97 D100M4
0.50	37000	2818	190000	1.35	BKH 187 R97 D100M4
0.39	48800	3609	190000	1.00	
0.46	41300	3062	190000	1.20	
0.56	33800	2519	190000	1.50	BK 187 R97 D100M4
0.62	30400	2268	190000	1.65	BKH 187 R97 D100M4
0.69	27400	2054	190000	1.80	
0.77	24200	1821	190000	2.1	
0.88	21400	1605	190000	2.3	
0.51	36600	2755	150000	0.85	BK 167 R97 D100M4
0.62	29800	2263	150000	1.05	BKH 167 R97 D100M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
0.65	29500	2182	150000	1.10	
0.83	22900	1704	150000	1.40	
1.0	19000	1408	150000	1.70	BK 167 R97 D100M4
1.1	17400	1296	150000	1.85	BKH 167 R97 D100M4
1.3	14700	1101	150000	2.2	
1.5	12600	944	150000	2.5	
0.85	22400	1659	109700	0.80	
1.0	18300	1365	112000	1.00	BK 157 R97 D100M4
1.1	16500	1229	112900	1.10	BKF 157 R97 D100M4
1.3	14600	1093	113700	1.25	BKA 157 R97 D100M4
1.5	12600	942	114500	1.45	BKAF 157 R97 D100M4
1.6	11400	854	114900	1.60	
1.9	9990	756	115300	1.80	
2.6	7180	536	81700	1.80	BK 127 R87 D100M4
3.0	6310	473	82000	2.1	BKF 127 R87 D100M4
3.4	5600	418	82200	2.3	BKA 127 R87 D100M4
3.8	4950	367	82300	2.6	BKAF 127 R87 D100M4
4.3	4440	330	82400	2.9	
1.4	14000	1025	78000	0.95	
1.6	12200	899	79600	1.05	
1.8	10700	790	80400	1.20	BK 127 R77 D100M4
2.0	9580	704	80900	1.35	BKF 127 R77 D100M4
2.3	8280	610	81400	1.55	BKA 127 R77 D100M4
2.6	7460	549	81600	1.75	BKAF 127 R77 D100M4
3.0	6460	477	81900	2.0	
3.4	5680	418	82100	2.3	
2.3	8340	615	65000	0.95	
2.7	7070	522	65000	1.15	
3.1	6230	461	65000	1.30	BK 107 R77 D100M4
3.5	5520	408	65000	1.45	BKF 107 R77 D100M4
3.9	4940	364	65000	1.60	BKA 107 R77 D100M4
4.4	4320	318	65000	1.85	BKAF 107 R77 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	BK 97 R57 D100M4
4.6	4170	305	40000	1.05	BKF 97 R57 D100M4
5.5	3510	258	40000	1.20	BKA 97 R57 D100M4
6.1	3160	232	40000	1.35	BKAF 97 R57 D100M4
7.1	2710	199	40000	1.60	
4.9	4310	143.47	65000	1.85	BK 107 D132S8
5.8	3650	121.46	65000	2.2	BKF 107 D132S8
6.2	3370	112.41	65000	2.4	BKA 107 D132S8
6.9	3020	100.75	65000	2.7	BKAF 107 D132S8
6.1	3420	153.21	40000	1.25	BK 97 D112M6
6.7	3140	140.28	40000	1.35	BKF 97 D112M6
7.6	2770	123.93	40000	1.55	BKA 97 D112M6
8.9	2350	105.13	40000	1.85	BKAF 97 D112M6
8.0	2620	176.05	40000	1.65	BK 97 D100M4
9.2	2280	153.21	40000	1.90	BKF 97 D100M4
10	2090	140.28	40000	2.1	BKA 97 D100M4
11	1850	123.93	40000	2.3	BKAF 97 D100M4
13	1570	105.13	40000	2.8	BK 97 D100M4
15	1440	96.80	40000	3.0	BKF 97 D100M4
					BKA 97 D100M4
					BKAF 97 D100M4
9.6	2200	147.32	27900	1.25	BK 87 D100M4
11	1890	126.91	28200	1.45	BKF 87 D100M4
12	1730	115.82	28300	1.55	BKA 87 D100M4
					BKAF 87 D100M4
14	1530	102.71	28500	1.75	BK 87 D100M4
16	1290	86.34	28600	2.1	BKF 87 D100M4
18	1180	79.34	28700	2.3	BKA 87 D100M4
20	1050	70.46	28800	2.6	BKAF 87 D100M4
22	940	63.00	28800	2.9	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
2.2kW					
12	1690	113.56	14300	0.90	
15	1450	97.05	16100	1.05	BK 77 D100M4
16	1330	88.97	16800	1.15	BKF 77 D100M4
18	1160	78.07	17600	1.35	BKA 77 D100M4
19	1100	73.99	17900	1.40	BKAF 77 D100M4
22	960	64.75	18400	1.60	
24	870	58.34	18800	1.80	
28	765	51.18	19100	2.0	
31	675	45.16	19300	2.3	BK 77 D100M4
35	595	40.04	19500	2.6	BKF 77 D100M4
40	525	35.20	19700	3.0	BKA 77 D100M4
46	460	30.89	19800	3.4	BKAF 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	BK 67 D100M4
29	725	48.77	11100	1.15	BKF 67 D100M4
32	660	44.32	11500	1.25	BKA 67 D100M4
37	570	38.39	12100	1.40	BKAF 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	BK 67 D100M4
93	225	15.19	13000	3.1	BKF 67 D100M4
107	197	13.22	13000	3.4	BKA 67 D100M4
113	186	12.48	13000	2.8	BKAF 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	BK 57 D100M4
37	575	38.49	7850	1.05	BKF 57 D100M4
39	530	35.70	8080	1.15	BKA 57 D100M4
47	450	30.28	8250	1.35	BKAF 57 D100M4
52	405	27.34	8160	1.45	
59	360	24.05	8030	1.65	
62	340	22.71	7970	1.75	BK 57 D100M4
73	290	19.34	7760	2.0	BKF 57 D100M4
80	260	17.57	7630	2.1	BKA 57 D100M4
93	225	15.22	7430	2.4	BKAF 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	BK 47 D100M4
65	325	21.81	5260	1.25	BKF 47 D100M4
72	290	19.58	5240	1.35	BKA 47 D100M4
					BKAF 47 D100M4
84	250	16.86	5190	1.50	
89	235	15.86	5160	1.60	BK 47 D100M4
103	205	123.65	5070	1.75	BKF 47 D100M4
116	182	12.19	4990	1.95	BKA 47 D100M4
120	175	11.77	4890	1.60	BKAF 47 D100M4
133	157	10.56	4 810	1.80	
155	136	9.10	4690	2.1	
108	195	13.08	2370	0.85	
134	156	10.49	2430	1.00	BK 37 D100M4
158	133	8.91	2440	1.20	BKF 37 D100M4
177	119	7.96	2430	1.30	BKA 37 D100M4
207	101	6.80	2410	1.50	BKAF 37 D100M4
221	95	6.37	2400	1.55	
263	80	5.36	2350	1.75	
3.0kW					
0.50	51300	2818	187700	0.95	BK 187 D100M4
					BKH 187 D100M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
3.0kW					
0.46	57100	3062	177600	0.90	
0.56	46800	2519	190000	1.05	
0.62	42100	2268	190000	1.20	
0.68	38000	2054	190000	1.30	**BK 187 R97 D100L4**
0.77	33600	1821	190000	1.50	**BKH 187 R97 D100L4**
0.87	29700	1605	190000	1.70	
1.0	25600	1395	190000	1.95	
1.2	22100	1196	190000	2.3	
0.82	31700	1704	150000	1.00	
0.99	26200	1408	150000	1.20	
1.1	24100	1296	150000	1.35	**BK 167 R97 D100L4**
1.3	20300	1101	150000	1.55	**BKH 167 R97 D100L4**
1.5	17500	944	150000	1.85	
1.7	15500	843	150000	2.1	
1.9	14000	757	150000	2.3	
1.1	22800	1229	109400	0.80	
1.3	20300	1093	111000	0.90	**BK 157 R97 D100L4**
1.5	17500	942	112400	1.05	**BKF 157 R97 D100L4**
1.6	15800	854	113200	1.15	**BKA 157 R97 D100L4**
1.9	13900	756	114000	1.30	**BKAF 157 R97 D100L4**
2.5	10500	567	115200	1.70	
2.8	9310	504	115500	1.95	
2.6	9940	536	80700	1.30	
3.0	8750	473	81200	1.50	**BK 127 R87 D100L4**
3.3	7760	418	81500	1.70	**BKF 127 R87 D100L4**
3.8	6840	367	81800	1.90	**BKA 127 R87 D100L4**
4.2	6140	330	82000	2.1	**BKAF 127 R87 D100L4**
4.9	5300	287	82200	2.5	
1.8	14800	790	76500	0.90	
2.0	13200	704	79100	1.00	**BK 127 R77 D100L4**
2.3	11400	610	80000	1.15	**BKF 127 R77 D100L4**
2.5	10300	549	80600	1.25	**BKA 127 R77 D100L4**
2.9	8920	477	81100	1.45	**BKAF 127 R77 D100L4**
3.3	7840	418	81500	1.65	
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	
4.9	5370	286	65000	1.50	**BK 107 R77 D100L4**
5.6	4700	251	65000	1.70	**BKF 107 R77 D100L4**
6.3	4150	222	65000	1.95	**BKA 107 R77 D100L4**
7.1	3670	196	65000	2.2	**BKAF 107 R77 D100L4**
8.1	3250	174	65000	2.2	
9.1	2880	154	65000	2.5	
10	2610	140	65000	2.8	
5.4	4840	258	40000	0.90	**BK 97 R57 D100L4**
6.0	4360	232	40000	1.00	**BKF 97 R57 D100L4**
7.0	3740	199	40000	1.15	**BKA 97 R57 D100L4** **BKAF 97 R57 D100L4**
5.0	5710	143.47	65000	1.40	
5.9	4830	121.46	65000	1.65	**BK 107 D132M8**
6.4	4470	112.41	65000	1.80	**BKF 107 D132M8**
7.2	4010	100.75	65000	2.0	**BKA 107 D132M8**
7.9	3620	90.96	65000	2.2	**BKAF 107 D132M8**
6.6	4370	143.47	65000	1.85	**BK 107 D132S6**
7.7	3700	121.46	65000	2.2	**BKF 107 D132S6**
8.4	3430	112.41	65000	2.3	**BKA 107 D132S6**
9.3	3070	100.75	65000	2.6	**BKAF 107 D132S6**
9.8	2940	143.47	65000	2.7	**BK 107 D100L4**
12	2490	121.46	65000	3.2	**BKF 107 D100L4** **BKA 107 D100L4** **BKAF 107 D100L4**
7.6	3780	123.93	40000	1.15	**BK 97 D132S6**
8.9	3200	105.13	40000	1.35	**BKF 97 D132S6**
9.7	2950	96.80	40000	1.45	**BKA 97 D132S6**
11	2640	86.52	40000	1.65	**BKAF 97 D132S6**

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
3.0kW					
7.9	3600	176.05	40000	1.20	**BK 97 D100L4**
9.1	3140	153.21	40000	1.35	**BKF 97 D100L4**
10	2870	140.28	40000	1.50	**BKA 97 D100L4**
11	2540	123.93	40000	1.70	**BKAF 97 D100L4**
13	2150	105.13	40000	2.0	
14	1980	96.80	40000	2.2	**BK 97 D100L4**
16	1770	86.52	40000	2.4	**BKF 97 D100L4**
18	1590	77.89	40000	2.7	**BKA 97 D100L4**
20	1440	70.54	40000	3.0	**BKAF 97 D100L4**
22	1280	62.55	40000	3.4	
25	1160	56.55	40000	3.7	
9.5	3010	147.32	26900	0.90	**BK 87 D100L4**
11	2600	126.91	27400	1.05	**BKF 87 D100L4**
12	2370	115.82	27700	1.15	**BKA 87 D100L4**
14	2100	102.71	28000	1.30	**BKAF 87 D100L4**
16	1770	86.34	28300	1.55	
18	1620	79.34	28400	1.65	
20	1440	70.46	28500	1.85	**BK 87 D100L4**
22	1290	63.00	28600	2.1	**BKF 87 D100L4**
25	1160	56.64	28700	2.3	**BKA 87 D100L4**
28	1010	49.16	28800	2.7	**BKAF 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	**BK 77 D100L4**
19	1510	73.99	15600	1.00	**BKF 77 D100L4**
22	1330	64.75	16800	1.15	**BKA 77 D100L4**
24	1190	58.34	17500	1.30	**BKAF 77 D100L4**
27	1050	51.18	18100	1.50	
31	920	45.16	18600	1.70	**BK 77 D100L4**
35	820	40.04	18900	1.90	**BKF 77 D100L4**
40	720	35.20	19200	2.2	**BKA 77 D100L4**
45	630	30.89	19400	2.5	**BKAF 77 D100L4**
32	910	44.32	9450	0.90	
36	785	38.39	10600	1.00	**BK 67 D100L4**
39	730	35.62	11100	1.15	**BKF 67 D100L4**
46	620	30.22	11800	1.35	**BKA 67 D100L4**
51	560	27.28	12100	1.45	**BKAF 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	**BK 67 D100L4**
92	310	15.19	13000	2.2	**BKF 67 D100L4**
106	270	13.22	13000	2.5	**BKA 67 D100L4**
112	255	12.48	13000	2.1	**BKAF 67 D100L4**
132	220	10.63	13000	2.3	
145	198	9.66	13000	2.4	
46	620	30.28	7180	0.95	**BK 57 D100L4**
51	560	27.34	7190	1.05	**BKF 57 D100L4**
58	490	24.05	7180	1.20	**BKA 57 D100L4** **BKAF 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	**BK 57 D100L4**
106	270	13.25	6750	1.90	**BKF 57 D100L4**
117	245	19.92	6420	1.70	**BKA 57 D100L4**
124	230	11.26	6370	1.80	**BKAF 57 D100L4**
146	196	9.59	6200	2.1	
161	178	8.71	6090	2.2	
186	154	7.55	5920	2.4	
213	134	6.57	5750	2.6	
72	400	19.58	4430	1.00	**BK 47 D100L4**
83	345	16.86	4490	1.10	**BKF 47 D100L4**
88	325	15.86	4500	1.15	**BKA 47 D100L4** **BKAF 47 D100L4**

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
3.0kW					
103	280	13.65	4510	1.30	
115	250	12.19	4490	1.40	
119	240	11.77	4370	1.15	**BK 47 D100L4**
133	215	10.56	4350	1.30	**BKF 47 D100L4**
154	186	9.10	4290	1.50	**BKA 47 D100L4**
164	175	8.56	4270	1.55	**BKAF 47 D100L4**
190	151	7.36	4190	1.65	
213	135	6.58	4120	1.80	
241	119	5.81	4030	1.95	
157	182	8.91	2000	0.90	**BK 37 D100L4**
176	163	7.96	2040	0.95	**BKF 37 D100L4**
206	139	6.80	2080	1.10	**BKA 37 D100L4**
220	130	6.37	2080	1.10	**BKAF 37 D100L4**
261	110	5.36	2090	1.30	
4.0kW					
1.7	20300	835	190000	2.5	**BK 187 R107 D112M4**
2.7	12600	520	190000	4.0	**BKH 187 R107 D112M4**
0.56	61900	2519	168800	0.80	
0.63	55600	2268	180200	0.90	
0.69	50300	2054	189400	1.00	
0.78	44500	1821	190000	1.10	**BK 187 R97 D112M4**
0.88	39300	1605	190000	1.25	**BKH 187 R97 D112M4**
1.0	34000	1395	190000	1.45	
1.2	29200	1196	190000	1.70	
1.4	25600	1046	190000	1.95	
1.5	23100	945	190000	2.2	
1.0	34600	1408	150000	0.90	
1.1	31900	1296	150000	1.00	
1.3	26900	1101	150000	1.20	
1.5	23100	944	150000	1.40	**BK 167 R97 D112M4**
1.7	20500	843	150000	1.55	**BKH 167 R97 D112M4**
1.9	18500	757	150000	1.75	
2.2	15400	632	150000	2.1	
1.7	20900	854	110600	0.85	**BK 157 R97 D112M4**
1.9	18400	756	112000	1.00	**BKF 157 R97 D112M4**
2.5	13800	567	114000	1.30	**BKA 157 R97 D112M4**
2.8	12300	504	114600	1.45	**BKAF 157 R97 D112M4**
3.3	10600	434	115100	1.70	
2.7	13100	536	79100	1.00	
3.0	11600	473	79900	1.10	**BK 127 R87 D112M4**
3.4	10300	418	80600	1.25	**BKF 127 R87 D112M4**
3.9	9040	367	81100	1.45	**BKA 127 R87 D112M4**
4.3	8120	330	81400	1.60	**BKAF 127 R87 D112M4**
5.0	7010	287	81800	1.85	
5.6	6200	253	82000	2.1	
2.3	15100	610	75800	0.85	**BK 127 R77 D112M4**
2.6	13600	549	78800	0.95	**BKF 127 R77 D112M4**
3.0	11800	477	79800	1.10	**BKA 127 R77 D112M4**
3.4	10300	418	80500	1.25	**BKAF 127 R77 D112M4**
3.9	8990	364	650000	0.90	
4.5	7860	318	650000	1.00	
5.0	7080	286	650000	1.15	**BK 107 R77 D112M4**
5.7	6200	251	650000	1.30	**BKF 107 R77 D112M4**
6.4	5470	222	650000	1.45	**BKA 107 R77 D112M4**
7.2	4840	196	650000	1.65	**BKAF 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	**BK 97 R57 D112M4** **BKF 97 R57 D112M4** **BKA 97 R57 D112M4** **BKAF 97 R57 D112M4**
5.3	7220	132.14	81700	1.80	**BK 127 D132ML8**
5.9	6500	122.48	81900	2.0	**BKF 127 D132ML8**
6.5	5850	110.18	82100	2.2	**BKA 127 D132ML8** **BKAF 127 D132ML8**

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
4.0kW					
6.6	5810	146.07	82100	2.2	**BK 127 D132M6**
7.1	5420	136.14	82200	2.4	**BKF 127 D132M6**
7.8	4870	122.48	82300	2.7	**BKA 127 D132M6**
8.7	4380	110.18	82400	3.0	**BKAF 127 D132M6**
6.4	5960	112.41	65000	1.35	**BK 107 D132ML8**
7.2	5340	100.75	65000	1.50	**BKF 107 D132ML8**
7.9	4830	90.96	65000	1.65	**BKA 107 D132ML8**
8.7	4380	82.61	65000	1.85	**BKAF 107 D132ML8**
6.7	5710	143.47	65000	1.40	**BK 107 D132M6**
7.9	4830	121.46	65000	1.65	**BKF 107 D132M6**
8.5	4470	112.41	65000	1.80	**BKA 107 D132M6**
9.5	4010	100.75	65000	2.0	**BKAF 107 D132M6**
11	3620	90.96	65000	2.2	
9.9	3860	143.47	65000	2.1	
12	3270	121.46	65000	2.5	**BK 107 D112M4**
13	3020	112.41	65000	2.7	**BKF 107 D112M4**
14	2710	100.75	65000	3.0	**BKA 107 D112M4**
16	2450	90.96	65000	3.3	**BKAF 107 D112M4**
17	2220	82.61	65000	3.6	
19	1970	73.30	65000	4.1	
9.3	4120	153.21	40000	1.05	**BK 97 D112M4**
10	3770	140.28	40000	1.15	**BKF 97 D112M4**
11	3330	123.93	40000	1.30	**BKA 97 D112M4** **BKAF 97 D112M4**
14	2830	105.13	40000	1.50	
15	2600	96.80	40000	1.65	**BK 97 D112M4**
16	2330	86.52	40000	1.85	**BKF 97 D112M4**
18	2100	77.89	40000	2.0	**BKA 97 D112M4**
20	1900	70.54	40000	2.3	**BKAF 97 D112M4**
12	3120	115.82	26700	0.85	**BK 87 D112M4**
14	2760	102.71	27200	1.00	**BKF 87 D112M4**
16	2320	86.34	27700	1.15	**BKA 87 D112M4**
18	2130	79.34	27900	1.25	**BKAF 87 D112M4**
20	1900	70.46	28200	1.40	
23	1690	63.00	28300	1.60	**BK 87 D112M4**
25	1520	56.64	28500	1.75	**BKF 87 D112M4**
29	1320	49.16	28600	2.0	**BKA 87 D112M4**
32	1180	44.02	28300	2.2	**BKAF 87 D112M4**
39	980	36.52	27300	2.5	
22	1740	64.75	13900	0.90	
24	1570	58.34	15200	1.00	**BK 77 D112M4**
28	1380	51.18	16500	1.15	**BKF 77 D112M4**
31	1210	45.16	17400	1.30	**BKA 77 D112M4**
35	1080	40.04	18000	1.45	**BKAF 77 D112M4**
37	1030	38.39	18200	1.45	
40	950	35.20	18500	1.65	
46	830	30.89	18900	1.85	**BK 77 D112M4**
49	785	29.27	19000	1.95	**BKF 77 D112M4**
55	690	25.62	19300	2.2	**BKA 77 D112M4**
62	620	23.08	19500	2.5	**BKAF 77 D112M4**
70	545	20.25	19600	2.8	
47	810	30.22	10400	1.00	**BK 67 D112M4**
52	735	27.28	11000	1.10	**BKF 67 D112M4**
59	645	24.00	11600	1.25	**BKA 67 D112M4**
63	610	22.66	11800	1.30	**BKAF 67 D112M4**
74	520	19.30	12300	1.45	
81	470	17.54	12500	1.55	
94	410	15.19	12800	1.70	**BK 67 D112M4**
107	355	13.22	13000	1.90	**BKF 67 D112M4**
114	335	12.48	13000	1.60	**BKA 67 D112M4**
134	285	10.63	13000	1.75	**BKAF 67 D112M4**
147	260	9.66	12900	1.85	
170	225	8.37	12500	1.95	
195	196	7.28	12100	2.1	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
4.0kW							
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	BK	57	D112M4
107	355	13.25	6150	1.45	BKF	57	D112M4
119	320	11.92	5810	1.30	BKA	57	D112M4
126	305	11.26	5790	1.35	BKAF	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			
5.5kW							
0.79	61100	1821	170200	0.80			
0.89	53900	1605	183200	0.95			
1.0	46700	1395	190000	1.05			
1.2	40100	1196	190000	1.25	BK	187 R97	D132S4
1.4	35100	1046	190000	1.45	BKH	187 R97	D132S4
1.5	31700	945	190000	1.60			
1.9	24800	738	190000	2.0			
2.3	20800	621	190000	2.4			
1.3	36900	1101	150000	0.85			
1.5	31700	944	150000	1.00			
1.7	28200	843	150000	1.15			
1.9	25400	757	150000	1.25	BK	167 R97	D132S4
2.3	21200	632	150000	1.50	BKH	167 R97	D132S4
2.5	18700	561	150000	1.70			
3.0	16100	481	150000	2.0			
3.4	14100	423	150000	2.3			
2.2	22100	661	109900	0.80			
2.5	19000	567	111700	0.95	BK	157 R97	D132S4
2.8	16900	504	112700	1.05	BKF	157 R97	D132S4
3.3	14500	434	113800	1.25	BKA	157 R97	D132S4
3.8	12700	379	114500	1.40	BKAF	157 R97	D132S4
4.3	11100	333	115000	1.60			
3.4	14100	418	77800	0.90			
3.9	12400	367	79500	1.05			
4.3	11100	330	80200	1.15	BK	127 R87	D132S4
5.0	9620	287	80800	1.35	BKF	127 R87	D132S4
5.6	8510	253	81300	1.55	BKA	127 R87	D132S4
6.7	7150	213	81700	1.80	BKAF	127 R87	D132S4
7.1	6740	200	81900	1.80			
8.6	5580	166	82200	2.2			
9.8	4920	147	82300	2.4			
6.4	7490	222	65000	1.05	BK	107 R77	D132S4
7.3	6640	196	65000	1.20	BKF	107 R77	D132S4
8.2	5870	174	65000	1.25	BKA	107 R77	D132S4
9.3	5200	154	65000	1.40	BKAF	107 R77	D132S4
10	4720	140	65000	1.55			
4.7	11100	150.41	115000	1.60	BK	157	D160M8
5.8	9050	122.39	115500	2.0	BKF	157	D160M8
7.1	7410	100.22	115900	2.4	BKA	157	D160M8
7.8	6780	91.65	116000	2.7	BKAF	157	D160M8
5.2	10100	136.14	80700	1.30	BK	127	D160M8
5.8	9060	122.48	81100	1.45	BKF	127	D160M8
6.4	8150	110.18	81400	1.60	BKA	127	D160M8
7.9	6650	89.89	81900	1.95	BKAF	127	D160M8
7.1	7450	136.14	81600	1.75	BK	127	D132ML6
7.8	6700	122.48	81900	1.95	BKF	127	D132ML6
8.7	6030	110.18	82100	2.2	BKA	127	D132ML6
11	4920	89.89	82300	2.6	BKAF	127	D132ML6
8.5	6150	112.41	65000	1.30	BK	107	D132ML6
9.5	5510	100.75	65000	1.45	BKF	107	D132ML6
11	4980	90.96	65000	1.60	BKA	107	D132ML6
12	4520	82.61	65000	1.75	BKAF	107	D132ML6

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
5.5kW							
10	5270	143.47	65000	1.50			
12	4460	121.46	65000	1.80	BK	107	D132S4
13	4130	112.41	65000	1.95	BKF	107	D132S4
14	3700	100.75	65000	2.2	BKA	107	D132S4
16	3340	90.96	65000	2.4	BKAF	107	D132S4
17	3030	82.61	65000	2.6			
12	4550	123.93	40000	0.95	BK	97	D132S4
14	3860	105.13	40000	1.10	BKF	97	D132S4
15	3560	96.80	40000	1.20	BKA	97	D132S4
17	3180	86.52	40000	1.35	BKAF	97	D132S4
18	2860	77.89	40000	1.50	BK	97	D132S4
20	2590	70.54	40000	1.65	BKF	97	D132S4
23	2300	62.55	40000	1.85	BKA	97	D132S4
25	2080	56.55	39700	2.1	BKAF	97	D132S4
30	1760	47.93	38600	2.4			
17	3170	86.34	26600	0.85	BK	87	D132S4
18	2910	79.34	27000	0.95	BKF	87	D132S4
20	2590	70.46	27400	1.05	BKA	87	D132S4
23	2310	63.00	27500	1.15	BKAF	87	D132S4
25	2080	56.64	27300	1.30			
29	1810	49.16	26900	1.50	BK	87	D132S4
32	1620	44.02	26500	1.60	BKF	87	D132S4
39	1340	36.52	25800	1.85	BKA	87	D132S4
46	1150	31.39	25200	2.3	BKAF	87	D132S4
51	1020	27.88	24700	2.5			
32	1660	45.16	14600	0.95	BK	77	D132S4
36	1470	40.04	15900	1.05	BKF	77	D132S4
46	1130	30.89	17800	1.35	BKA	77	D132S4
49	1070	29.27	18000	1.45	BKAF	77	D132S4
56	940	25.62	18500	1.65			
62	850	23.08	18800	1.85			
71	745	20.25	19100	2.0	BK	77	D132S4
80	655	17.87	19400	2.2	BKF	77	D132S4
90	580	15.84	19200	2.4	BKA	77	D132S4
106	495	13.52	18600	2.7	BKAF	77	D132S4
116	455	12.36	17900	2.2			
132	400	10.84	17400	2.5			
60	880	24.00	9720	0.90			
63	830	22.66	10200	0.95	BK	67	D132S4
74	710	19.30	11200	1.05	BKF	67	D132S4
82	645	17.54	11600	1.15	BKA	67	D132S4
94	560	15.19	12100	1.25	BKAF	67	D132S4
108	485	13.22	12500	1.40			
115	460	12.48	12600	1.15	BK	67	D132S4
135	390	10.63	12400	1.30	BKF	67	D132S4
148	355	9.66	12200	1.35	BKA	67	D132S4
171	305	8.37	11900	1.45	BKAF	67	D132S4
196	265	7.28	11600	1.55			
81	645	17.57	5080	0.85			
94	560	15.22	5210	0.95			
108	485	13.25	5280	1.05	BK	57	D132S4
120	440	11.92	4920	0.95	BKF	57	D132S4
127	415	11.26	4950	1.00	BKA	57	D132S4
149	350	9.59	4990	1.15	BKAF	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							
1.7	38200	835	190000	1.30	BK	187R107	D132M4
2.0	33300	729	190000	1.50	BKH	187R107	D132M4
2.3	28400	622	190000	1.75			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
7.5kW							
1.2	55000	1196	181400	0.90			
1.4	48000	1046	190000	1.05			
1.5	43400	945	190000	1.15	BK	187 R97	D132M4
1.9	33900	738	190000	1.45	BKH	187 R97	D132M4
2.3	28500	621	190000	1.75			
2.7	24100	527	190000	2.1			
1.7	38700	843	150000	0.85			
1.9	34700	757	150000	0.90			
2.3	29000	632	150000	1.10			
2.5	25700	561	150000	1.25	BK	167 R97	D132M4
3.0	22100	481	150000	1.45	BKH	167 R97	D132M4
3.4	19400	423	150000	1.65			
3.9	16900	369	150000	1.90			
3.3	19900	434	111200	0.90	BK	157 R97	D132M4
3.8	17400	379	112500	1.05	BKF	157 R97	D132M4
4.3	15300	333	113500	1.20	BKA	157 R97	D132M4
4.9	13300	291	114200	1.35	BKAF	157 R97	D132M4
4.3	15200	330	75500	0.85			
5.0	13200	287	79100	1.00	BK	127 R87	D132M4
5.6	11600	253	79900	1.10	BKF	127 R87	D132M4
6.7	9790	213	80800	1.35	BKA	127 R87	D132M4
7.1	9220	200	81000	1.30	BKAF	127 R87	D132M4
8.6	7640	166	81600	1.55			
9.8	6740	147	81900	1.80			
4.4	16400	164.50	150000	1.95	BK	167	D160L8
5.3	13400	134.99	150000	2.4	BKH	167	D160L8
5.8	12300	164.50	150000	2.6	BK	167	D160M6
7.1	10100	134.99	150000	3.2	BKH	167	D160M6
6.4	11200	150.41	114900	1.60	BK	157	D160M6
7.8	9130	122.39	115500	1.95	BKF	157	D160M6
9.6	7480	100.22	115900	2.4	BKA	157	D160M6
10	6840	91.65	116000	2.6	BKAF	157	D160M6
12	5950	79.75	116200	3.0			
7.1	10200	136.14	80600	1.30	BK	127	D160M6
7.8	9140	122.48	81000	1.40	BKF	127	D160M6
8.7	8220	110.18	81400	1.60	BKA	127	D160M6
11	6710	89.89	81900	1.95	BKAF	127	D160M6
9.8	7320	146.07	81700	1.80			
11	6820	136.14	81800	1.90	BK	127	D132M4
12	6130	122.48	82000	2.1	BKF	127	D132M4
13	5520	110.18	82200	2.4	BKA	127	D132M4
16	4500	89.89	82400	2.9	BKAF	127	D132M4
17	4110	81.98	82500	3.2			
20	3550	70.95	82600	3.7			
10	7190	143.47	65000	1.10	BK	107	D132M4
12	6080	121.46	65000	1.30	BKF	107	D132M4
13	5630	112.41	65000	1.40	BKA	107	D132M4
					BKAF	107	D132M4
14	5050	100.75	65000	1.60			
16	4560	90.96	64200	1.75			
17	4140	82.61	63200	1.95	BK	107	D132M4
20	3670	73.30	61900	2.2	BKF	107	D132M4
22	3330	66.52	60900	2.4	BKA	107	D132M4
25	2860	57.17	59100	2.8	BKAF	107	D132M4
29	2500	49.90	57500	3.1			
34	2120	42.33	55500	3.5			
39	1850	37.00	53800	3.9			
15	4850	96.80	38300	0.90	BK	97	D132M4
17	4330	86.52	38300	1.00	BKF	97	D132M4
18	3900	77.89	38100	1.10	BKA	97	D132M4
20	3530	70.54	37900	1.20	BKAF	97	D132M4
23	3130	62.55	37500	1.35			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
7.5kW							
25	2830	56.55	37100	1.50	BK	97	D132M4
30	2400	47.93	36400	1.80	BKF	97	D132M4
34	2100	41.87	35600	2.0	BKA	97	D132M4
37	1920	38.30	35100	2.2	BKAF	97	D132M4
42	1710	34.23	34400	2.5			
23	3160	63.00	24100	0.85	BK	87	D132M4
25	2840	56.64	24200	0.95	BKF	87	D132M4
29	2460	49.16	24200	1.10	BKA	87	D132M4
32	2200	44.02	24200	1.20	BKAF	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	BK	87	D132M4
64	1120	22.41	22500	2.0	BKF	87	D132M4
74	970	19.45	21900	2.4	BKA	87	D132M4
82	870	17.42	21500	2.5	BKAF	87	D132M4
89	800	16.00	20600	2.2			
99	725	14.45	20700	2.9			
46	1550	30.89	15400	1.00	BK	77	D132M4
49	1470	29.27	16000	1.05	BKF	77	D132M4
56	1280	25.62	17000	1.20	BKA	77	D132M4
62	1160	23.08	17700	1.35	BKAF	77	D132M4
71	1010	20.25	18300	1.50			
80	890	17.87	18600	1.60			
90	795	15.84	18200	1.75	BK	77	D132M4
106	675	13.52	17800	2.0	BKF	77	D132M4
116	620	12.36	17000	1.60	BKA	77	D132M4
132	545	10.84	16700	1.80	BKAF	77	D132M4
150	480	9.56	16300	1.95			
169	425	8.48	15900	2.1			
198	365	7.24	15400	2.3			
9.2kW							
1.7	46700	835	190000	1.05			
2.0	40700	729	190000	1.25	BK	187 R107	D132ML4
2.3	34700	622	190000	1.45	BKH	187 R107	D132ML4
2.8	29100	520	190000	1.70			
3.2	25300	454	190000	1.95			
1.4	58600	1046	174800	0.85			
1.5	53000	945	184900	0.95	BK	187 R97	D132ML4
2.0	41400	738	190000	1.20	BKH	187 R97	D132ML4
2.3	34800	621	190000	1.45			
2.7	29500	527	190000	1.70			
4.5	17800	318	150000	1.80			
5.2	15500	278	150000	2.1	BK	167 R107	D132ML4
5.9	13600	244	150000	2.3	BKH	167 R107	D132ML4
6.8	11900	213	150000	2.7			
7.0	11500	206	150000	2.8			
2.3	35400	632	150000	0.90			
2.6	31300	561	150000	1.00	BK	167 R97	D132ML4
3.0	27000	481	150000	1.20	BKH	167 R97	D132ML4
3.4	23700	423	150000	1.35			
3.9	20600	369	150000	1.55			
3.7	21400	385	110300	0.85	BK	157 R107	D132ML4
4.4	18100	325	112100	1.00	BKF	157 R107	D132ML4
4.8	16700	299	112800	1.10	BKA	157 R107	D132ML4
5.7	14100	253	113900	1.25	BKAF	157 R107	D132ML4
6.2	12800	230	114400	1.40			
3.8	21200	379	110400	0.85	BK	157 R97	D132ML4
4.3	18600	333	111900	0.95	BKF	157 R97	D132ML4
4.9	16300	291	113000	1.10	BKA	157 R97	D132ML4
					BKAF	157 R97	D132ML4
5.7	14200	253	77500	0.90	BK	127 R87	D132ML4
6.8	11900	213	79800	1.10	BKF	127 R87	D132ML4
7.2	11200	200	80100	1.05	BKA	127 R87	D132ML4
8.7	9320	166	81000	1.30	BKAF	127 R87	D132ML4
9.8	8230	147	81400	1.45			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
9.2kW							
11	8310	136.14	81300	1.55	**BK**	**127**	**D132ML4**
12	7470	122.48	81600	1.75	**BKF**	**127**	**D132ML4**
13	6720	110.18	8190	1.95	**BKA**	**127**	**D132ML4**
16	5480	89.89	82200	2.4	**BKAF**	**127**	**D132ML4**
18	5000	81.98	82300	2.6			
13	6860	112.41	62400	1.15	**BK**	**107**	**D132ML4**
14	6150	100.75	61800	1.30	**BKF**	**107**	**D132ML4**
16	5550	90.96	61100	1.45	**BKA**	**107**	**D132ML4**
					BKAF	**107**	**D132ML4**
17	5040	82.61	60400	1.60			
20	4470	73.30	59400	1.80	**BK**	**107**	**D132ML4**
22	4060	66.52	58600	1.95	**BKF**	**107**	**D132ML4**
25	3490	57.17	57100	2.3	**BKA**	**107**	**D132ML4**
29	3040	49.90	55700	2.6	**BKAF**	**107**	**D132ML4**
34	2580	42.33	54000	2.8			
18	4750	77.89	35100	0.90	**BK**	**97**	**D132ML4**
20	4300	70.54	35100	1.00	**BKF**	**97**	**D132ML4**
23	3820	62.55	35100	1.15	**BKA**	**97**	**D132ML4**
25	3450	56.55	34900	1.25	**BKAF**	**97**	**D132ML4**
30	2920	47.93	34400	1.45			
34	2550	41.87	34000	1.70	**BK**	**97**	**D132ML4**
38	2340	38.30	33600	1.85	**BKF**	**97**	**D132ML4**
42	2090	34.23	33100	2.1	**BKA**	**97**	**D132ML4**
47	1880	30.82	32500	2.3	**BKAF**	**97**	**D132ML4**
52	1700	27.91	32000	2.5			
58	1510	24.75	31300	2.8			
29	3000	49.16	22000	0.90	**BK**	**87**	**D132ML4**
33	2690	44.02	22200	0.95	**BKF**	**87**	**D132ML4**
39	2230	36.52	22200	1.10	**BKA**	**87**	**D132ML4**
46	1910	31.39	22100	1.40	**BKAF**	**87**	**D132ML4**
52	1700	27.88	21900	1.55			
58	1520	24.92	21700	1.65			
64	1370	22.41	21400	1.70			
74	1190	19.45	21000	1.95	**BK**	**87**	**D132ML4**
83	1060	17.42	20700	2.1	**BKF**	**87**	**D132ML4**
90	980	16.00	19700	1.85	**BKA**	**87**	**D132ML4**
100	880	14.45	20000	2.4	**BKAF**	**87**	**D132ML4**
115	765	12.56	19500	2.6			
129	680	11.17	18600	2.2			
144	610	10.00	18200	2.5			
62	1410	23.08	16300	1.10	**BK**	**77**	**D132ML4**
71	1240	20.25	17300	1.20	**BKF**	**77**	**D132ML4**
81	1090	17.87	17600	1.35	**BKA**	**77**	**D132ML4**
91	970	15.84	17400	1.45	**BKAF**	**77**	**D132ML4**
107	820	13.52	17000	1.60			
117	755	12.36	16300	1.35	**BK**	**77**	**D132ML4**
133	660	10.84	16000	1.50	**BKF**	**77**	**D132ML4**
151	585	9.56	15700	1.60	**BKA**	**77**	**D132ML4**
170	515	8.48	15400	1.70	**BKAF**	**77**	**D132ML4**
199	440	7.24	14900	1.85			
11.0kW							
1.7	55900	835	179700	0.90			
2.0	48800	729	190000	1.05			
2.3	41600	622	190000	1.20	**BK**	**187 R107**	**D160M4**
2.8	34800	520	190000	1.45	**BKH**	**187 R107**	**D160M4**
3.2	30400	454	190000	1.65			
4.1	23800	355	190000	2.1			
2.0	49600	738	190000	1.00			
2.3	41700	621	190000	1.20	**BK**	**187 R97**	**D160M4**
2.7	35300	527	190000	1.40	**BKH**	**187 R97**	**D160M4**
4.5	21300	318	150000	1.50			
5.2	18600	278	150000	1.70			
5.9	16300	244	150000	1.95	**BK**	**167 R107**	**D160M4**
6.8	14200	213	150000	2.2	**BKH**	**167 R107**	**D160M4**
7.0	13700	206	150000	2.3			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
11.0kW							
2.6	37500	561	150000	0.85			
3.0	32300	481	150000	1.00	**BK**	**167 R97**	**D160M4**
3.4	28300	423	150000	1.15	**BKH**	**167 R97**	**D160M4**
3.9	24700	369	150000	1.30			
4.3	22300	333	109700	0.80	**BK**	**157 R97**	**D160M4**
4.9	19500	291	111400	0.90	**BKF**	**157 R97**	**D160M4**
					BKA	**157 R97**	**D160M4**
					BKAF	**157 R97**	**D160M4**
6.8	14300	213	77400	0.90	**BK**	**127 R87**	**D160M4**
7.2	13500	200	78900	0.90	**BKF**	**127 R87**	**D160M4**
8.7	11200	166	80100	1.10	**BKA**	**127 R87**	**D160M4**
9.8	9850	147	80700	1.20	**BKAF**	**127 R87**	**D160M4**
5.3	19700	134.99	150000	1.60	**BK**	**167**	**D180L8**
6.6	16000	109.83	150000	2.0	**BKH**	**167**	
5.8	18000	164.50	150000	1.80	**BK**	**167**	**D160L6**
7.1	14800	134.99	150000	2.2	**BKH**	**167**	
8.8	12000	164.50	150000	2.7	**BK**	**167**	**D160M4**
11	9850	134.99	150000	3.2	**BKH**	**167**	
5.9	17900	122.39	112300	1.00	**BK**	**157**	**D180L8**
7.2	14600	100.22	113700	1.25	**BKF**	**157**	**D180L8**
7.9	13400	91.65	114200	1.35	**BKA**	**157**	**D180L8**
9.0	11600	79.75	114800	1.55	**BKAF**	**157**	**D180L8**
6.4	16500	150.41	112900	1.10	**BK**	**157**	**D160L6**
7.8	13400	122.39	114200	1.35	**BKF**	**157**	**D160L6**
9.6	11000	100.22	115000	1.65	**BKA**	**157**	**D160L6**
10	10000	91.65	115300	1.80	**BKAF**	**157**	**D160L6**
12	8730	79.75	115600	2.1			
9.6	11000	150.41	115000	1.65	**BK**	**157**	**D160M4**
12	8930	122.39	115600	2.0	**BKF**	**157**	**D160M4**
14	7310	100.22	115900	2.5	**BKA**	**157**	**D160M4**
16	6690	91.65	116000	2.7	**BKAF**	**157**	**D160M4**
11	9930	136.14	80700	1.30			
12	8930	122.48	81100	1.45	**BK**	**127**	**D160M4**
13	8040	110.18	81400	1.60	**BKF**	**127**	**D160M4**
16	6560	89.89	81900	2.0	**BKA**	**127**	**D160M4**
18	5980	81.98	82100	2.2	**BKAF**	**127**	**D160M4**
20	5180	70.95	82300	2.5			
13	8200	112.41	58400	1.00	**BK**	**107**	**D160M4**
14	7350	100.75	58300	1.10	**BKF**	**107**	**D160M4**
16	6630	90.96	58000	1.20	**BKA**	**107**	**D160M4**
17	6030	82.61	57500	1.35	**BKAF**	**107**	**D160M4**
20	5350	73.30	56900	1.50			
22	4850	66.52	56200	1.65	**BK**	**107**	**D160M4**
25	4170	57.17	55100	1.90	**BKF**	**107**	**D160M4**
29	3640	49.90	54000	2.2	**BKA**	**107**	**D160M4**
34	3090	42.33	52500	2.4	**BKAF**	**107**	**D160M4**
39	2700	37.00	51200	2.7			
20	5150	70.54	32200	0.85	**BK**	**97**	**D160M4**
23	4560	62.55	32500	0.95	**BKF**	**97**	**D160M4**
25	4130	56.55	32500	1.05	**BKA**	**97**	**D160M4**
30	3500	47.93	32500	1.25	**BKAF**	**97**	**D160M4**
34	3050	41.87	32200	1.40			
38	2790	38.30	32000	1.55	**BK**	**97**	**D160M4**
42	2500	34.23	31600	1.70	**BKF**	**97**	**D160M4**
47	2250	30.82	31300	1.90	**BKA**	**97**	**D160M4**
52	2040	27.91	30800	2.1	**BKAF**	**97**	**D160M4**
58	1800	24.75	30300	2.4			
64	1630	22.37	29800	2.6			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
11.0kW							
33	3210	44.02	20000	0.80	**BK**	**87**	**D160M4**
39	2660	36.52	20400	0.95	**BKF**	**87**	**D160M4**
46	2290	31.39	20600	1.20	**BKA**	**87**	**D160M4**
52	2030	27.88	20600	1.30	**BKAF**	**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	**BK**	**87**	**D160M4**
100	1050	14.45	19400	2.0	**BKF**	**87**	**D160M4**
115	920	12.56	18900	2.2	**BKA**	**87**	**D160M4**
129	810	11.17	18000	1.85	**BKAF**	**87**	**D160M4**
144	730	10.00	17700	2.1			
174	605	8.29	17100	2.3			
200	525	7.21	16700	2.5			
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	**BK**	**77**	**D160M4**
107	990	13.52	16300	1.35	**BKF**	**77**	**D160M4**
117	900	12.36	15500	1.10	**BKA**	**77**	**D160M4**
133	790	10.84	15300	1.25	**BKAF**	**77**	**D160M4**
151	700	9.56	15100	1.35			
170	620	8.48	14800	1.45			
199	530	7.24	14500	1.55			
15.0kW							
2.3	56100	622	179400	0.90			
2.8	47000	520	190000	1.05	**BK**	**187 R107**	**D160L4**
3.2	41000	454	190000	1.20	**BKH**	**187 R107**	**D160L4**
4.1	32100	355	190000	1.55			
5.6	23600	261	190000	2.1			
4.6	28700	318	150000	1.10			
5.3	25000	278	150000	1.30			
6.0	22000	244	150000	1.45			
6.8	19200	213	150000	1.65	**BK**	**167 R107**	**D160L4**
7.1	18500	206	150000	1.75	**BKH**	**167 R107**	**D160L4**
8.1	16200	180	150000	1.95			
9.1	14400	160	150000	2.2			
6.3	20700	230	110700	0.85			
6.9	19200	213	116000	0.95	**BK**	**157 R107**	**D160L4**
7.8	16800	187	112800	1.05	**BKF**	**157 R107**	**D160L4**
9.3	14200	157	113900	1.25	**BKA**	**157 R107**	**D160L4**
12	11000	122	115000	1.65	**BKAF**	**157 R107**	**D160L4**
14	9630	107	115400	1.85			
5.4	26600	179.86	190000	1.90	**BK**	**187**	**D180L6**
5.9	24400	165.21	190000	2.0	**BKH**	**187**	**D180L6**
7.2	19900	134.99	150000	1.60	**BK**	**167**	**D180L6**
8.8	16200	109.83	150000	1.95	**BKH**	**167**	**D180L6**
8.9	16100	164.50	150000	2.0	**BK**	**167**	**D160L4**
11	13200	134.99	150000	2.4	**BKH**	**167**	**D160L4**
7.9	18100	122.39	112200	1.00			
9.7	14800	100.22	113700	1.20	**BK**	**157**	**D180L6**
11	13500	91.65	114100	1.35	**BKF**	**157**	**D180L6**
12	11800	79.75	114800	1.55	**BKA**	**157**	**D180L6**
14	10400	70.38	115200	1.75	**BKAF**	**157**	**D180L6**
9.7	14800	150.41	113700	1.20			
12	12000	122.39	114700	1.50	**BK**	**157**	**D160L4**
15	9830	100.22	114200	1.85	**BKF**	**157**	**D160L4**
16	8990	91.65	112500	2.0	**BKA**	**157**	**D160L4**
18	7820	79.75	109600	2.3	**BKAF**	**157**	**D160L4**

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
15.0kW							
11	13400	136.14	79000	0.95	**BK**	**127**	**D160L4**
12	12000	122.48	79700	1.10	**BKF**	**127**	**D160L4**
13	10800	110.18	80300	1.20	**BKA**	**127**	**D160L4**
16	8820	89.89	81200	1.45	**BKAF**	**127**	**D160L4**
18	8040	81.98	81400	1.60	**BK**	**127**	**D160L4**
21	6960	70.95	81600	1.85	**BKF**	**127**	**D160L4**
23	6140	62.60	80000	2.1	**BKA**	**127**	**D160L4**
27	5300	54.07	78000	2.5	**BKAF**	**127**	**D160L4**
31	4690	47.82	76200	2.8			
16	8920	90.96	50900	0.90	**BK**	**107**	**D160L4**
18	8110	82.61	51100	1.00	**BKF**	**107**	**D160L4**
20	7190	73.30	51200	1.10	**BKA**	**107**	**D160L4**
22	6530	66.52	51000	1.25	**BKAF**	**107**	**D160L4**
26	5610	57.17	50600	1.45			
29	4900	49.90	50000	1.60	**BK**	**107**	**D160L4**
34	4150	42.33	49100	1.75	**BKF**	**107**	**D160L4**
39	3630	37.00	48200	2.0	**BKA**	**107**	**D160L4**
45	3210	32.69	47300	2.2	**BKAF**	**107**	**D160L4**
47	3070	31.28	47000	2.2			
50	2840	29.00	46400	2.5			
30	4700	47.93	28100	0.90	**BK**	**97**	**D160L4**
35	4110	41.87	28400	1.05	**BKF**	**97**	**D160L4**
38	3760	38.30	28500	1.15	**BKA**	**97**	**D160L4**
43	3360	34.23	28500	1.30	**BKAF**	**97**	**D160L4**
47	3020	30.82	28400	1.40			
52	2740	27.91	28300	1.55	**BK**	**97**	**D160L4**
59	2430	24.75	28000	1.75	**BKF**	**97**	**D160L4**
65	2190	22.37	27700	1.95	**BKA**	**97**	**D160L4**
77	1860	18.96	27200	2.3	**BKAF**	**97**	**D160L4**
88	1620	16.56	26600	2.7			
47	3080	31.39	17300	0.90			
52	2730	27.88	17600	0.95	**BK**	**87**	**D160L4**
59	2440	24.92	17800	1.00	**BKF**	**87**	**D160L4**
65	2200	22.41	18000	1.05	**BKA**	**87**	**D160L4**
75	1910	19.45	18000	1.20	**BKAF**	**87**	**D160L4**
84	1710	17.42	18000	1.30			
91	1570	16.00	16800	1.15			
101	1420	14.45	17800	1.50	**BK**	**87**	**D160L4**
116	1230	12.56	17600	1.60	**BKF**	**87**	**D160L4**
131	1100	11.17	16600	1.35	**BKA**	**87**	**D160L4**
146	980	10.00	16400	1.55	**BKAF**	**87**	**D160L4**
176	810	8.29	16000	1.70			
202	705	7.21	15700	1.85			
18.5kW							
2.8	57800	520	176300	0.85			
3.2	50400	454	189200	1.00			
4.1	39500	355	190000	1.25	**BK**	**187 R107**	**D180M4**
5.6	29000	261	190000	1.70	**BKH**	**187 R107**	**D180M4**
6.6	24600	221	190000	2.0			
4.6	35300	318	150000	0.90			
5.3	30800	278	150000	1.05			
6.0	27100	244	150000	1.20			
6.9	23600	213	150000	1.35			
7.1	22800	206	150000	1.40	**BK**	**167 R107**	**D180M4**
8.1	20000	180	150000	1.60	**BKH**	**167 R107**	**D180M4**
9.2	17700	160	150000	1.80			
11	15000	135	150000	2.1			
12	13100	118	150000	2.4			
7.8	20700	187	110700	0.85	**BK**	**157 R107**	**D180M4**
9.3	17400	157	112500	1.05	**BKF**	**157 R107**	**D180M4**
12	13600	122	114100	1.35	**BKA**	**157 R107**	**D180M4**
14	11900	107	112300	1.50	**BKAF**	**157 R107**	**D180M4**
5.4	32800	179.86	190000	1.55			
5.9	30100	165.21	190000	1.65	**BK**	**187**	**D200LS6**
6.7	26300	144.59	190000	1.90	**BKH**	**187**	**D200LS6**
7.5	23600	129.69	190000	2.1			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
18.5kW					
8.1	21700	179.86	190000	2.3	BK 187 D180M4
8.9	19900	165.21	190000	2.5	BKH 187 D180M4
10	17400	144.59	190000	2.9	
11	15600	129.69	190000	3.2	
11	16300	134.99	150000	1.95	BK 167 D180M4
13	13200	109.83	150000	2.4	BKH 167 D180M4
17	10600	87.86	150000	3.0	
9.7	18300	100.22	112100	1.00	BK 157 D200LS6
11	16700	91.65	112800	1.10	BKF 157 D200LS6
12	14500	79.75	111500	1.25	BKA 157 D200LS6
14	12800	70.38	109900	1.40	BKAF 157 D200LS6
12	14800	122.39	111600	1.20	
15	12100	100.22	109100	1.50	
16	11100	91.65	107800	1.65	BK 157 D180M4
18	9620	79.75	105600	1.85	BKF 157 D180M4
21	8490	70.38	103400	2.1	BKA 157 D180M4
24	7360	61.02	100700	2.5	BKAF 157 D180M4
27	6550	54.29	98500	2.8	
31	5640	46.79	95500	3.2	
39	4580	38.02	91300	3.9	
13	13300	110.18	79000	1.00	BK 127 D180M4
16	10800	89.89	79000	1.20	BKF 127 D180M4
18	9890	81.98	78500	1.30	BKA 127 D180M4
					BKAF 127 D180M4
21	8560	70.95	77500	1.50	
23	7550	62.60	76400	1.70	
27	6520	54.07	74800	2.0	BK 127 D180M4
31	5770	47.82	73400	2.2	BKF 127 D180M4
36	4850	40.19	71300	2.7	BKA 127 D180M4
40	4370	36.25	69900	3.0	BKAF 127 D180M4
47	3780	31.37	68000	3.4	
53	3340	27.68	66200	3.9	
20	8840	73.30	46300	0.90	BK 107 D180M4
22	8020	66.52	46600	1.00	BKF 107 D180M4
26	6890	57.17	46800	1.15	BKA 107 D180M4
29	6020	49.90	46700	1.30	BKAF 107 D180M4
35	5100	42.33	46300	1.45	
40	4460	37.00	45700	1.60	
45	3940	32.69	45100	1.85	
47	3770	31.28	44900	1.80	BK 107 D180M4
51	3500	29.00	44400	2.1	BKF 107 D180M4
56	3170	26.32	43800	2.3	BKA 107 D180M4
65	2730	22.62	42700	2.6	BKAF 107 D180M4
74	2380	19.74	41700	3.0	
88	2020	16.75	40400	3.5	
35	5050	41.87	25100	0.85	BK 97 D180M4
48	3720	30.82	26000	1.15	BKF 97 D180M4
53	3360	27.91	26000	1.30	BKA 97 D180M4
59	2980	24.75	26000	1.45	BKAF 97 D180M4
65	2700	22.37	25900	1.60	
77	2290	18.96	25700	1.90	BK 97 D180M4
88	2000	16.56	25300	2.2	BKF 97 D180M4
106	1670	13.85	24800	2.6	BKA 97 D180M4
122	1450	11.99	24300	2.7	BKAF 97 D180M4
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	BK 87 D180M4
101	1740	14.45	16500	1.20	BKF 87 D180M4
117	1510	12.56	16400	1.30	BKA 87 D180M4
131	1350	11.17	15400	1.10	BKAF 87 D180M4
147	1210	10.00	15300	1.25	
177	1000	8.29	15100	1.40	
203	870	7.21	14900	1.50	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
22kW					
3.2	60000	454	172300	0.85	
4.1	47000	355	190000	1.05	
5.6	34500	261	190000	1.45	BK 187 R107 D180L4
6.6	29300	221	190000	1.70	BKH 187 R107 D180L4
7.6	25600	193	190000	1.95	
8.9	21600	163	190000	2.3	
5.3	36700	278	150000	0.85	
6.0	32200	244	150000	1.00	
6.9	28200	213	150000	1.15	
7.1	27200	206	150000	1.20	BK 167 R107 D180L4
8.1	23800	180	150000	1.35	BKH 167 R107 D180L4
9.2	21100	160	150000	1.50	
11	17900	135	150000	1.80	
12	15600	118	150000	2.0	
9.3	20800	157	109800	0.85	BK 157 R107 D180L4
12	16200	122	108600	1.10	BKF 157 R107 D180L4
14	14100	107	107300	1.25	BKA 157 R107 D180L4
					BKAF 157 R107 D180L4
5.4	39000	179.86	190000	1.30	
5.9	35800	165.21	190000	1.40	
6.7	31300	144.59	190000	1.60	BK 187 D200L6
7.5	28100	129.69	190000	1.80	
8.6	24400	112.60	190000	2.0	
8.1	25800	179.86	190000	1.95	
8.9	23700	165.21	190000	2.1	BK 187 D180L4
10	20700	144.59	190000	2.4	
11	18600	129.69	190000	2.7	
11	19400	134.99	150000	1.65	
13	15700	109.83	150000	2.0	BK 167 D180L4
17	12600	87.86	150000	2.5	
19	11200	78.14	150000	2.9	
9.7	21700	100.22	105900	0.85	BK 157 D200L6
11	19900	91.65	105900	0.90	BKF 157 D200L6
12	17300	79.75	105500	1.05	BKA 157 D200L6
14	15200	70.38	104600	1.20	BKAF 157 D200L6
16	13200	61.02	103300	1.35	
12	17600	122.39	105500	1.05	
15	14400	100.22	104100	1.25	
16	13100	91.65	103200	1.35	BK 157 D180L4
18	11400	79.75	101600	1.55	BKF 157 D180L4
21	10100	70.38	99800	1.80	BKA 157 D180L4
24	8750	61.02	97700	2.1	BKAF 157 D180L4
27	7790	54.29	95800	2.3	
31	6710	46.79	93200	2.7	
39	5450	38.02	89400	3.3	
16	12900	89.89	73900	1.00	BK 127 D180L4
18	11800	81.98	73800	1.10	BKF 127 D180L4
21	10200	70.95	73400	1.30	BKA 127 D180L4
23	8980	62.60	72800	1.45	BKAF 127 D180L4
27	7750	54.07	71700	1.70	
31	6860	47.82	70700	1.90	
36	5760	40.19	69000	2.3	BK 127 D180L4
40	5200	36.25	67800	2.5	BKF 127 D180L4
47	4500	31.37	66200	2.9	BKA 127 D180L4
53	3970	27.68	64600	3.3	BKAF 127 D180L4
61	3430	23.91	62800	3.8	
69	3030	21.15	61200	4.3	
26	8200	57.17	43000	1.00	BK 107 D180L4
29	7160	49.90	43300	1.10	BKF 107 D180L4
35	6070	42.33	43400	1.20	BKA 107 D180L4
					BKAF 107 D180L4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
22kW					
40	5310	37.00	43200	1.35	
45	4690	32.69	42900	1.55	
47	4490	31.28	42800	1.50	
51	4160	29.00	42500	1.75	
56	3770	26.32	42000	1.90	BK 107 D180L4
65	3240	22.62	41200	2.2	BKF 107 D180L4
74	2830	19.74	40400	2.5	BKA 107 D180L4
88	2400	16.75	39300	2.9	BKAF 107 D180L4
100	2100	14.64	38400	3.3	
109	1930	13.43	36800	2.2	
125	1680	11.73	35900	2.6	
147	1430	9.94	34800	2.9	
48	4420	30.82	23500	0.95	BK 97 D180L4
53	4000	27.91	23800	1.05	BKF 97 D180L4
59	3550	24.75	24100	1.20	BKA 97 D180L4
65	3210	22.37	24200	1.35	BKAF 97 D180L4
77	2720	18.96	24100	1.60	
88	2370	16.56	24000	1.80	BK 97 D180L4
106	1990	13.85	23700	2.2	BKF 97 D180L4
122	1720	11.99	23300	2.3	BKA 97 D180L4
141	1490	10.41	21800	1.90	BKAF 97 D180L4
168	1250	8.71	21300	2.1	
75	2790	19.45	14400	0.80	
84	2500	17.42	14800	0.90	
101	2070	14.45	15100	1.00	BK 87 D180L4
117	1800	12.56	15300	1.10	BKF 87 D180L4
131	1600	11.17	14200	0.95	BKA 87 D180L4
147	1430	10.00	14200	1.05	BKAF 87 D180L4
177	1190	8.29	14300	1.20	
203	1030	7.21	14200	1.25	
30kW					
5.6	47000	261	190000	1.05	
6.6	39800	221	190000	1.25	BK 187 R107 D200L4
7.6	34800	193	190000	1.45	BKH 187 R107 D200L4
9.0	29400	163	190000	1.70	
6.9	38300	213	150000	0.85	
7.1	37000	206	150000	0.85	
8.1	32400	180	150000	1.00	BK 167 R107 D200L4
9.2	28700	160	150000	1.10	BKH 167 R107 D200L4
11	24400	135	150000	1.30	
12	21300	118	150000	1.50	
8.2	35100	179.86	190000	1.45	
8.9	32200	165.21	190000	1.55	
10	28200	144.59	190000	1.75	
11	25300	129.69	190000	2.0	BK 187 D200L4
13	21900	112.60	190000	2.3	BKH 187 D200L4
14	19900	102.16	190000	2.5	
17	17200	88.00	190000	2.9	
13	21400	109.83	150000	1.50	
17	17100	87.86	150000	1.85	
19	15200	78.14	150000	2.1	BK 167 D200L4
22	13300	68.07	150000	2.4	BKH 167 D200L4
24	11800	60.74	150000	2.7	
15	19500	100.22	92700	0.90	
16	17900	91.65	92800	1.00	
18	15500	79.75	92400	1.15	BK 157 D200L4
21	13700	70.38	91800	1.30	BKF 157 D200L4
24	11900	61.02	90700	1.50	BKA 157 D200L4
27	10600	54.29	89500	1.70	BKAF 157 D200L4
31	9120	46.79	87800	1.95	
39	7410	38.02	85100	2.4	
47	6100	31.30	82200	3.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
30kW					
21	13800	70.95	64200	0.95	
23	12200	62.60	64600	1.05	
27	10500	54.07	64700	1.25	BK 127 D200L4
31	9320	47.82	64400	1.40	BKF 127 D200L4
37	7830	40.19	63700	1.65	BKA 127 D200L4
41	7060	36.25	63100	1.85	BKAF 127 D200L4
47	6110	31.37	62000	2.1	
53	5390	27.68	61000	2.4	
62	4660	23.91	59600	2.8	
35	8250	42.33	36100	0.90	BK 107 D200L4
40	7210	37.00	37600	1.00	BKF 107 D200L4
47	6100	31.28	38000	1.10	BKA 107 D200L4
					BKAF 107 D200L4
51	5650	29.00	38000	1.25	
56	5130	26.32	38000	1.40	
65	4410	22.62	37700	1.65	BK 107 D200L4
74	3850	19.74	37400	1.85	BKF 107 D200L4
88	3260	16.75	36700	2.2	BKA 107 D200L4
100	2850	14.64	36100	2.4	BKAF 107 D200L4
109	2620	13.43	34400	1.65	
125	2280	11.73	33800	1.90	
148	1940	9.94	33000	2.2	
169	1690	8.69	32200	2.4	
59	4820	24.75	19600	0.90	
66	4360	22.37	20100	1.00	
78	3690	18.96	20700	1.15	BK 97 D200L4
89	3230	16.56	21000	1.35	BKF 97 D200L4
106	2700	13.85	21200	1.60	BKA 97 D200L4
123	2340	11.99	21100	1.65	BKAF 97 D200L4
141	2030	10.41	19500	1.40	
169	1700	8.71	19400	1.55	
37kW					
5.6	58000	261	176000	0.85	
6.6	49200	221	190000	1.00	BK 187 R107 D225S4
7.6	43000	193	190000	1.15	BKH 187 R107 D225S4
9.0	36300	163	190000	1.40	
8.1	40000	180	150000	0.80	
9.2	35500	160	150000	0.90	BK 167 R107 D225S4
11	30100	135	150000	1.05	BKH 167 R107 D225S4
12	26300	118	150000	1.20	
8.2	43200	179.86	190000	1.15	
8.9	39700	165.21	190000	1.25	
10	34800	144.59	190000	1.45	BK 187 D225S4
11	31200	129.69	190000	1.60	BKH 187 D225S4
13	27100	112.60	190000	1.85	
14	24600	102.16	190000	2.0	
17	21200	88.00	190000	2.4	
13	26400	109.83	150000	1.20	
17	21100	87.86	150000	1.50	
19	18800	78.14	150000	1.70	BK 167 D225S4
22	16400	68.07	150000	1.95	BKH 167 D225S4
24	14600	60.74	150000	2.2	
28	12400	51.77	150000	2.6	
16	22000	91.65	83600	0.80	BK 157 D225S4
18	19200	79.75	84500	0.95	BKF 157 D225S4
					BKA 157 D225S4
					BKAF 157 D225S4
21	16900	70.38	84800	1.05	
24	14700	61.02	84600	1.25	BK 157 D225S4
27	13000	54.29	84100	1.40	BKF 157 D225S4
31	11200	46.79	83200	1.60	BKA 157 D225S4
39	9140	38.02	81300	1.95	BKAF 157 D225S4
47	7520	31.30	79100	2.4	
23	15000	62.60	57500	0.85	BK 127 D225S4
27	13000	54.07	58500	1.00	BKF 127 D225S4
31	11500	47.82	59000	1.15	BKA 127 D225S4
37	9660	40.19	59100	1.35	BKAF 127 D225S4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
37kW							
41	8710	36.25	59000	1.50			
47	7540	31.37	58500	1.70			
53	6650	27.68	57800	1.95			
62	5740	23.91	56900	2.3	BK	127	D225S4
70	5080	21.15	56000	2.6	BKF	127	D225S4
83	4270	17.77	54500	3.0	BKA	127	D225S4
102	3450	14.35	52500	3.5	BKAF	127	D225S4
115	3070	12.79	50200	2.8			
137	2580	10.74	48600	3.1			
169	2090	8.68	46600	3.5			
40	8890	37.00	29000	0.80			
47	7520	31.28	33000	0.90			
51	6970	29.00	34200	1.05			
56	6320	26.32	34500	1.15			
65	5440	22.62	34700	1.30	BK	107	D225S4
74	4740	19.74	34700	1.50	BKF	107	D225S4
88	4020	16.75	34500	1.75	BKA	107	D225S4
100	3520	14.64	34200	1.95	BKAF	107	D225S4
109	3230	13.43	32300	1.35			
125	2820	11.73	32000	1.55			
148	2390	9.94	31400	1.75			
169	2090	8.69	30900	1.95			
45kW							
6.6	59800	221	172600	0.85	BK	187 R107	D225M4
7.6	52300	193	186100	1.95	BKH	187 R107	D225M4
9.0	44200	163	190000	1.15			
11	36600	135	150000	0.85	BK	167 R107	D225M4
12	32000	118	150000	1.00	BKH	167 R107	D225M4
8.2	52600	179.86	185500	0.95			
8.9	48300	165.21	190000	1.05			
10	42300	144.59	190000	1.20			
11	37900	129.69	190000	1.30	BK	187	D225M4
13	32900	112.60	190000	1.50	BKH	187	D225M4
14	29900	102.16	190000	1.65			
17	25700	88.00	190000	1.95			
20	21600	73.96	187700	2.3			
13	32100	109.83	150000	1.00			
17	25700	87.86	150000	1.25			
19	22800	78.14	150000	1.40			
22	19900	68.07	150000	1.60	BK	167	D225M4
24	17800	60.74	149000	1.80	BKH	167	D225M4
28	15100	51.77	145600	2.1			
34	12500	42.89	140600	2.5			
21	20600	70.38	76800	0.85			
24	17800	61.02	77700	1.00			
27	15900	54.29	77900	1.15			
31	13700	46.79	77800	1.30	BK	157	D225M4
39	11100	38.02	76900	1.60	BKF	157	D225M4
47	9150	31.30	75500	1.95	BKA	157	D225M4
53	8080	27.62	74300	2.2	BKAF	157	D225M4
61	7000	23.95	72800	2.6			
69	6230	21.31	71500	2.9			
80	5370	18.37	69700	3.3			
31	14000	47.82	52800	0.95	BK	127	D225M4
37	11700	40.19	53900	1.10	BKF	127	D225M4
41	10600	36.25	54200	1.25	BKA	127	D225M4
					BKAF	127	D225M4
47	9170	31.37	54400	1.40			
53	8090	27.68	54200	1.60			
62	6990	23.91	53800	1.85	BK	127	D225M4
70	6180	21.15	53200	2.1	BKF	127	D225M4
83	5190	17.77	52200	2.5	BKA	127	D225M4
102	4190	14.35	50700	2.9	BKAF	127	D225M4
115	3740	12.79	48300	2.3			
137	3140	10.74	47000	2.5			
169	2540	8.68	45300	2.8			

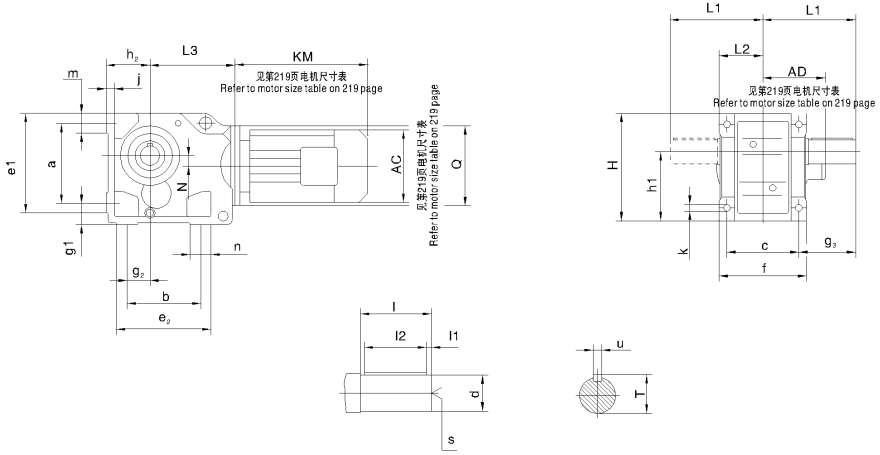
输出转速 Output speed n_a [1/min]	输出转矩 Output torque M_a [N・m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra}[1] [N]	使用系数 Service factor f_s	型号 Model		
45kW							
51	8480	29.00	25600	0.85	BK	107	D225M4
56	7690	26.32	28300	0.95	BKF	107	D225M4
65	6610	22.62	31000	1.10	BKA	107	D225M4
74	5770	19.74	31700	1.25	BKAF	107	D225M4
88	4890	16.75	31900	1.45			
100	4280	14.64	31900	1.60	BK	107	D225M4
109	3930	13.43	29900	1.10	BKF	107	D225M4
125	3430	11.73	29900	1.25	BKA	107	D225M4
148	2910	9.94	29600	1.45	BKAF	107	D225M4
169	2540	8.69	29300	1.60			
55kW							
10	51500	144.59	187400	0.95			
11	46200	129.69	190000	1.10			
13	40100	112.60	188500	1.25	BK	187	D250M4
14	36400	102.16	187100	1.35	BKH	187	D250M4
17	31300	88.00	184200	1.60			
20	26300	73.96	180200	1.90			
23	22800	64.04	176300	2.2			
17	31300	87.86	145300	1.00			
19	27800	78.14	144600	1.15			
22	24200	68.07	143300	1.30	BK	167	D250M4
24	21600	60.74	141700	1.50	BKH	167	D250M4
28	18400	51.77	139100	1.75			
34	15300	42.89	135400	2.1			
40	13000	36.61	131900	2.5			
24	21700	61.02	69000	0.85			
27	19300	54.29	70200	0.95			
32	16700	46.79	71200	1.10			
39	13500	38.02	71500	1.35	BK	157	D250M4
47	11100	31.30	71000	1.60	BKF	157	D250M4
53	9840	27.62	70400	1.85	BKA	157	D250M4
62	8530	23.95	69400	2.1	BKAF	157	D250M4
69	7590	21.31	68400	2.4			
80	6540	18.37	67000	2.8			
99	5310	14.92	64800	3.4			
117	4510	12.65	62900	3.8			
37	14300	40.19	47400	0.90	BK	127	D250M4
47	11200	31.37	49300	1.15	BKF	127	D250M4
53	9850	27.68	49700	1.30	BKA	127	D250M4
					BKAF	127	D250M4
62	8510	23.91	49900	1.55			
70	7530	21.15	49800	1.75	BK	127	D250M4
83	6330	17.77	49300	2.0	BKF	127	D250M4
103	5110	14.35	48300	2.4	BKA	127	D250M4
115	4550	12.79	45900	1.85	BKAF	127	D250M4
137	3830	10.74	45000	2.1			
170	3090	8.68	43600	2.3			
75kW							
11	62800	129.69	164100	0.80			
13	54500	112.60	166100	0.90			
14	49400	102.16	166600	1.00			
17	42600	88.00	166600	1.15	BK	187	D280S4
20	35800	73.96	165300	1.40	BKH	187	D280S4
23	31000	64.04	163400	1.60			
28	25800	53.36	160100	1.95			
33	22000	45.50	156700	2.3			
19	37800	78.14	126100	0.85			
22	32900	68.07	127100	0.95			
24	29400	60.74	127300	1.10			
29	25100	51.77	126800	1.30	BK	167	D280S4
35	20800	42.89	125200	1.55	BKH	167	D280S4
40	17700	36.61	123200	1.80			
46	15600	32.25	121300	2.0			
51	13900	28.77	119300	2.3			
60	11900	24.52	116300	2.7			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
75kW							
39	18400	38.02	60800	1.00			
47	15100	31.30	62200	1.20			
54	13400	27.62	62600	1.35	BK	157	D280S4
62	11600	23.95	62600	1.55	BKF	157	D280S4
69	10300	21.31	62400	1.75	BKA	157	D280S4
81	8890	18.37	61800	2.0	BKAF	157	D280S4
99	7220	14.92	60500	2.5			
117	6120	12.65	59300	2.8			
47	15200	31.37	39200	0.85			
53	13400	27.68	40800	0.95			
62	11600	23.91	42200	1.10	BK	127	D280S4
70	10200	21.15	42900	1.25	BKF	127	D280S4
83	8600	17.77	43500	1.50	BKA	127	D280S4
103	6940	14.35	43700	1.75	BKAF	127	D280S4
116	6190	12.79	41100	1.40			
138	5200	10.74	41000	1.55			
171	4200	8.68	40400	1.70			
90kW							
14	59300	102.16	151300	0.85			
17	51100	88.00	153400	1.00			
20	42900	73.96	154200	1.15			
23	37200	64.04	153800	1.35	BK	187	D280M4
28	31000	53.36	152200	1.60	BKH	187	D280M4
33	26400	45.50	149900	1.90			
35	24700	42.51	148700	2.0			
38	22400	38.57	146900	2.2			
22	39500	68.07	115100	0.80			
24	35300	60.74	116600	0.90			
29	30100	51.77	117600	1.05			
35	24900	42.89	117600	1.30			
40	21300	36.61	116700	1.50	BK	167	D280M4
46	18700	32.25	115500	1.70	BKH	167	D280M4
51	16700	28.77	114200	1.90			
60	14200	24.52	111900	2.2			
73	11800	20.32	108800	2.7			
85	10100	17.34	106000	3.2			
39	22100	38.02	52700	0.80			
47	18200	31.30	55500	1.00			
54	16000	27.62	56700	1.10	BK	157	D280M4
62	13900	23.95	57500	1.30	BKF	157	D280M4
69	12400	21.31	57900	1.45	BKA	157	D280M4
81	10700	18.37	57900	1.70	BKAF	157	D280M4
99	8670	14.92	57400	2.1			
117	7350	12.65	56600	2.3			
62	13900	23.91	36400	0.95			
70	12300	21.15	37800	1.05	BK	127	D280M4
83	10300	17.77	39200	1.25	BKF	127	D280M4
103	8330	14.35	40200	1.45	BKA	127	D280M4
116	7420	12.79	37600	1.15	BKAF	127	D280M4
138	6240	10.74	38000	1.30			
171	5040	8.68	38000	1.45			
110kW							
17	62300	88.00	136000	0.80			
20	52300	73.96	139500	0.95			
23	45300	64.04	141000	1.10			
28	37700	53.36	141500	1.30	BK	187	D315S4
33	32200	45.50	140800	1.55	BKH	187	D315S4
35	30100	42.51	140200	1.65			
39	27300	38.57	139100	1.85			
45	23500	33.23	137000	2.1			
53	19800	27.92	134000	2.5			
29	36600	51.77	105500	0.85			
35	30300	42.89	107500	1.05			
41	25900	36.61	108100	1.25			
46	22800	32.25	107900	1.40	BK	167	D315S4
52	20400	28.77	107400	1.55	BKH	167	D315S4
61	17300	24.52	106100	1.85			
73	14400	20.32	104000	2.2			
86	12300	17.34	101800	2.6			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
110kW							
62	16900	23.95	50800	1.05	BK	157	D315S4
70	15100	21.31	51900	1.20	BKF	157	D315S4
81	13000	18.37	52700	1.40	BKA	157	D315S4
100	10600	14.92	53100	1.70	BKAF	157	D315S4
117	8950	12.65	53000	1.90			
132kW							
20	62800	73.96	123300	0.80			
23	54400	64.04	127000	0.90			
28	45300	53.36	129800	1.10			
33	38600	45.50	130800	1.30			
35	36100	42.51	130900	1.40	BK	187	D315M4
39	32700	38.57	130700	1.55	BKH	187	D315M4
45	28200	33.23	129800	1.75			
53	23700	27.92	127900	2.1			
61	20500	24.18	125900	2. 3			
74	17100	20.15	122800	2.6			
86	14600	17.18	119700	2.8			
35	36400	42.89	96400	0.90			
41	31100	36.61	98600	1.05			
46	27400	32.25	99600	1.15	BK	167	D315M4
52	24400	28.77	99900	1.30	BKH	167	D315M4
61	20800	24.52	99800	1.55			
73	17200	20.32	98700	1.85			
86	14700	17.34	97300	2.2			
62	20300	23.95	43400	0.90	BK	157	D315M4
70	18100	21.31	45300	1.00	BKF	157	D315M4
81	15600	18.37	47000	1.15	BKA	157	D315M4
100	12700	14.92	48500	1.40	BKAF	157	D315M4
117	10700	12.65	49100	1.60			
160kW							
28	54900	53.36	114900	0.90			
33	46800	45.50	118100	1.05			
45	34200	33.23	120500	1.45	BK	187	D315M4A
53	28700	27.92	120100	1.75	BKH	187	D315M4A
61	24900	24.18	119100	1.90			
74	20700	20.15	117200	2.1			
86	17700	17.18	114900	2.3			
41	37700	36.61	86500	0.85			
61	25200	24.52	91700	1.25	BK	167	D315M4A
73	20900	20.32	92000	1.55	BKH	167	D315M4A
86	17800	17.34	91600	1.80			
81	18900	18.37	39800	0.95	BK	157	D315M4A
100	15400	14.92	42600	1.15	BKF	157	D315M4A
117	13000	12.65	44100	1.30	BKA	157	D315M4A
					BKAF	157	D315M4A
200kW							
33	58500	45.50	100000	0.85			
45	42700	33.23	107300	1.15			
53	35900	27.92	109000	1.40	BK	187	D315M4B
61	31100	24.18	109500	1.55	BKH	187	D315M4B
74	25900	20.15	109100	1.70			
86	22100	17.18	108100	1.85			
61	31500	24.52	80100	1.00	BK	167	D315M4B
73	26100	20.32	82400	1.20	BKH	167	D315M4B
86	22300	17.34	83400	1.45			
100	19200	14.92	34200	0.95	BK	157	D315M4B
117	16300	12.65	36900	1.05	BKF	157	D315M4B
					BKA	157	D315M4B
					BKAF	157	D315M4B

7.5 外形尺寸表
7.5 Features size table

BK37..~BK157..



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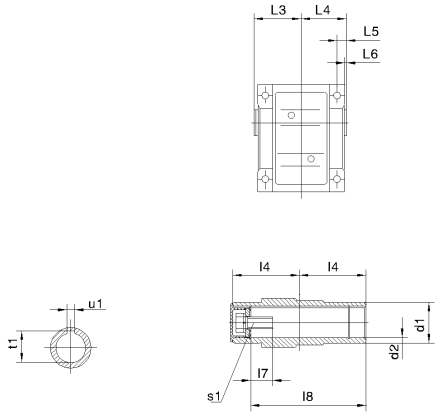
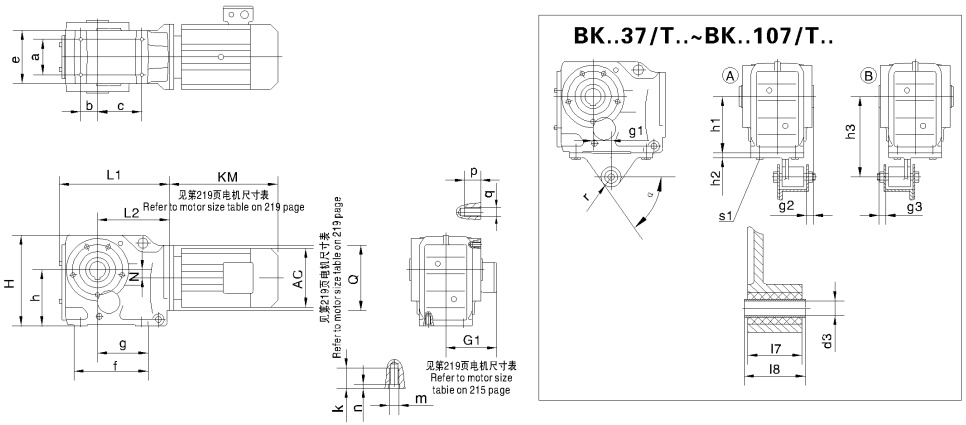
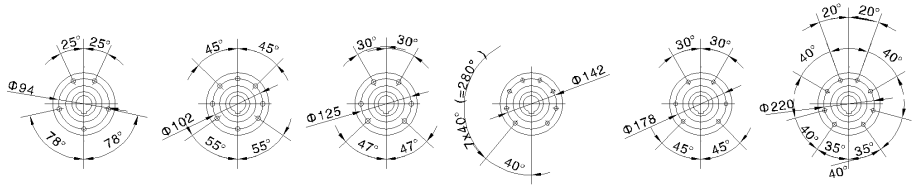


型号 size	a b c	e1 e2 f	g1 g2 g3	h1 h2	j	k	m n	轴伸尺寸 Shaft dimension				
								d	l	l1 l2	S	t u
BK37..	115 110 100	150 143 120	32 28 60	100-0.5 63-0.5	16	11	37 38	25k6	50	5 40	M10	28 8
BK47.. BKA47B..	130 130 120	170 162 145	37 35 75	112-0.5 71-0.5	18	11	37 32	30k6	60	3.5 50	M10	33 8
BK57.. BKA57B..	150 130 130	190 172 157	45 30 88	132-0.5 80-0.5	21	13.5	43 40	35k6	70	7 56	M12	38 10
BK67.. BKA67B..	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
BK77.. BKA77B..	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
BK87.. BKA87B..	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
BK97.. BKA97B..	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
BK107.. BKA107B..	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
BK127.. BKA127B..	420 350 330	526 440 400	110 115 253	375-1 225-0.5	45	39	111 100	110m6	210	15 180	M24	116 28
BK157.. BKA157B..	500 380 420	634 480 500	130 140 247	450-1 280-1	50	39	130 100	120m6	210	5 200	M24	127 32

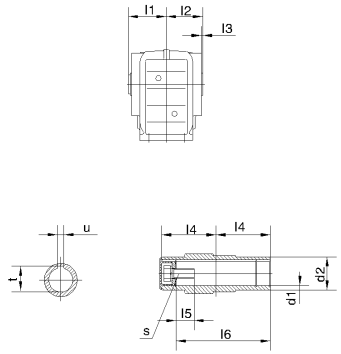
型号 size	空心轴尺寸 Hollow shaft dimention							H	L1 L2	L3	N	Q
	d1	d2	l3 l4	l5 l6	l7 l8	s1	t1 u1					
BK37..	-	-	-	-	-	-	-	165	110 60	139	8.5	120
BK47.. BKA47B..	35^{H7}	50	78 75	15 3	22 132	M12x30	38.3 10	185	135 72	166	7.2	160
BK57.. BKA57B..	40^{H7}	55	86 83	18 3	29 142	M16x40	43.3 12	217	153 80	173	13.1	160
BK67.. BKA67B..	40^{H7}	55	93 90	20 3.5	29 156	M16x40	43.3 12	228	171 86.5	179	20	160
Bk77.. BKA77B..	50^{H7}	70	108 105	22.5 4	32 183	M16x45	53.8 14	288	206 101	202	31.3	200
BK87.. BKA87B..	60^{H7}	85	123 120	30 4	36 210	M20x50	64.4 18	340	240 116	257	25.9	250
BK97.. BKA97B..	70^{H7}	95	153 150	30 4	34 270	M20x50	74.9 20	417	291 146	277	32.3	300
BK107.. BKA107B..	90^{H7}	118	178 175	40 2.5	40 313	M24x60	95.4 25	503	347 175	341	52	350
BK127.. BKA127B..	100^{H7}	135	208 205	40 2.5	38 373	M24x60	106.4 28	592	418 203	390	53	450
BK157.. BKA157B..	120^{H7}	155	253 250	40	36 460	M24x60	127.4 32	705	457 250	426	71.7	550

BKA37..~BKA107..



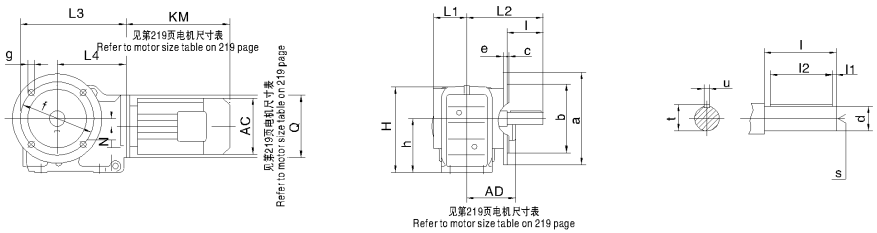


BKA37.. BKA47.. BKA57.. BKA67.. BKA77.. BKA87.. BKA97..



型号 size	a b c	e f g	h	k m n	p q	空心轴尺寸 Hollow shaft dimenson d1 d2	l1 l2 l3	l4 l5 l6	s t u	扭矩臂尺寸 Torque arm form g1 g2 g3	h1 h2 h3	d3 l7 l8	r s1 ∝	H L1 L2	N Q
BKA37.. BK..37/T..	60	100		20	12	30^{H7}	63	60	M10	23.5	$100_{-0.5}$	10.4 ± 0.1	22.5	164	8.5
	35	147	$100_{-0.5}$	M10			60	17	33.3	20	10	31	M10x25	210	
	82	97		4	M8	45	2.5	105	8	20	$140^{+0.2}_{-0.7}$	$36_{-0.3}$	60°	139	120
BKA47.. BK..47/T..	70	110		20	12	35^{H7}	78	75	M12	30	$112_{-0.5}$	10.4 ± 0.1	22.5	185	7.2
	40	170	$112_{-0.5}$	M10			75	22	38.3	20	12	31	M10x30	243	
	100	115		4	M8	50	3	132	10	20	$160^{+0.2}_{-0.7}$	$36_{-0.3}$	55°	166	160
BKA57.. BK..57/T..	88	122		25	20	40^{H7}	86	83	M16	40	$132_{-0.5}$	16.4 ± 0.08	29	215	13.1
	47	182	$132_{-0.5}$	M12			83	29	43.3	18	13	54	M12x35	269	
	105	120		5	M12	55	3	142	12	18	$192^{+0.2}_{-0.7}$	$60_{-0.3}$	55°	173	160
BKA67.. BK..67/T..	88	130		25	20	40^{H7}	94	90	M16	45	$140_{-0.5}$	16.4 ± 0.08	29	226	20
	42	182	$140_{-0.5}$	M12	M12		90	29	43.3	25	13	54	M12x35	274	
	110	125		5		55	3.5	156	12	25	$200^{+0.2}_{-0.7}$	$60_{-0.3}$	55°	179	160
BKA77.. BK..77/T..	102	154		32	20	50^{H7}	108	105	M16	52.5	$180_{-0.5}$	16.4 ± 0.08	29	286	31.3
	48	204	$180_{-0.5}$	M16			105	32	53.8	25	14	54	M16x40	312	
	122	139		6	M12	70	4	186	14	25	$250^{+0.2}_{-0.7}$	$60_{-0.3}$	60°	202	200
BKA87.. BK..87/T..	118	170		32	26	60^{H7}	123	120	M20	60	$212_{-0.5}$	25 ± 0.08	41	338	25.9
	65	280	$212_{-0.5}$	M16			120	36	64.4	30	16	72	M16x45	390	
	160	190		6	M16	85	4	210	18	30	$300^{+0.2}_{-0.7}$	$80_{-0.3}$	60°	257	250
BKA97.. BK..97/T..	160	226		36	26	70^{H7}	153	150	M20	70	265_{-1}	25 ± 0.08	41	414	32.3
	83	298	265_{-1}	M20			150	34	74.9	40	17	92	M20x50	435	
	165	190		6	M16	95	4	270	20	40	$350^{+0.2}_{-2}$	$100_{-0.3}$	50°	277	300
BKA107.. BK..107/T..	190	266		44		90^{H7}	178	175	M24	74	315_{-1}	25 ± 0.08	41	500	52
	100	370	315_{-1}	M24	–		175	40	95.4	45	20	92	M24x60	537	
	190	230		8		118	2.5	313	25	45	$450^{+0.5}_{-1.5}$	$100_{-0.3}$	55°	341	350

BKF37..~BKF157..



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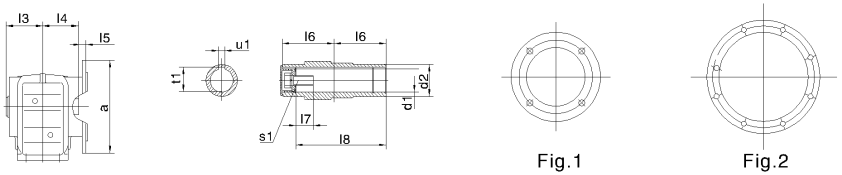
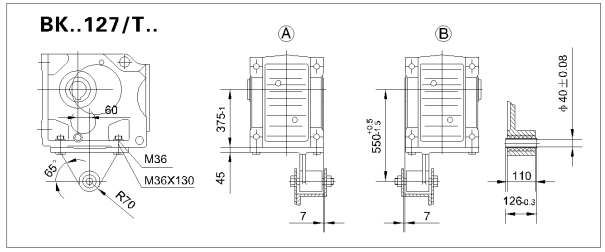


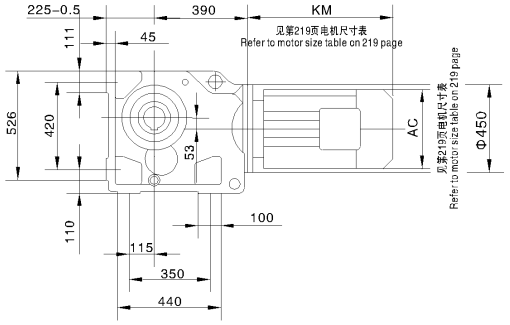
Fig.1 Fig.2

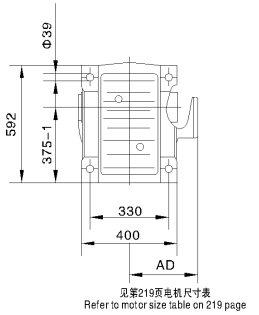
法兰型式
Flange form

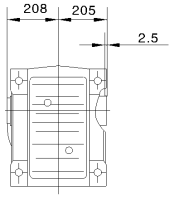
型号 model	法兰型式 Flange form	a b	c e	f g h	轴伸尺寸 Shaft dimension				空心轴尺寸 Hollow shaft dimension					H	L1 L2 L3	L4 N Q
					d l	l1 l2	s	t u	d1 d2	l3 l4 l5	l6 l7 l8	s1	t1 u1			
BKF37.. BKAF37..	Fig.1	160 110j6	3.5 10	130 9 100	25k6 50	5 40	M10	28 8	30H7 45	63 60 24	60 17 105	M10×25	33.3 8	164	57.5 134 210	139 8.5 120
BKF47.. BKAF47..	Fig.1	200 130j6	3.5 10	165 11 112	30k6 60	3.5 50	M10	33 8	35H7 50	78 75 25	75 22 132	M12×30	38.3 10	185	72 160 243	166 7.2 160
BKF57.. BKAF57..	Fig.1	250 180j6	4 15	215 13.5 132	35k6 70	7 56	M12	38 10	40H7 55	86 83 23.5	83 29 142	M16×40	43.3 12	215	80 177 269	173 13.1 160
BKF67.. BKAF67..	Fig.1	250 180j6	4 15	215 13.5 140	40k6 80	5 70	M16	43 12	40H7 55	94 90 23	90 29 156	M16×40	43.3 12	226	86.5 193 274	179 20 160
BKF77.. BKAF77..	Fig.1	300 230j6	4 16	265 13.5 180	50k6 100	80 10	M16	53.5 14	50H7 70	108 105 37	105 32 183	M16×45	53.8 14	286	101 242 312	202 31.3 200
BKF87.. BKAF87..	Fig.1	350 250h6	5 18	300 17.5 212	60m6 120	5 110	M20	64 18	60H7 85	123 120 30	120 36 210	M20×50	64.4 18	338	138 270 390	257 25.9 250
BKF97.. BKAF97..	Fig.2	450 350h6	5 22	400 17.5 265	70m6 140	7.5 125	M20	74.5 20	70H7 95	153 150 41.5	150 34 270	M20×50	74.9 20	414	171 332 435	277 32.3 300
BKF107.. BKAF107..	Fig.2	450 350h6	5 25	400 17.5 315	90m6 170	5 160	M24	95 25	90H7 118	178 175 41	175 40 313	M24×60	95.4 25	500	175 386 537	341 52 350
BKF127.. BKAF127..	Fig.2	550 450h6	5 22	500 17.5 375–1	110m6 210	15 180	M24	116 28	100H7 135	208 205 51	205 38 373	M24×60	106.4 28	592	203 466 615	390 53 450
BKF157.. BKAF157..	Fig.2	660 550h6	6 28	600 22 450–1	120m6 210	5 200	M24	127 32	120H7 155	253 250 60	250 36 460	M24×60	127.4 32	705	253 520 706	705 71.7 550

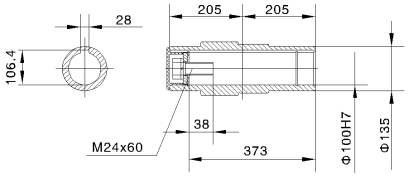
BKA127..











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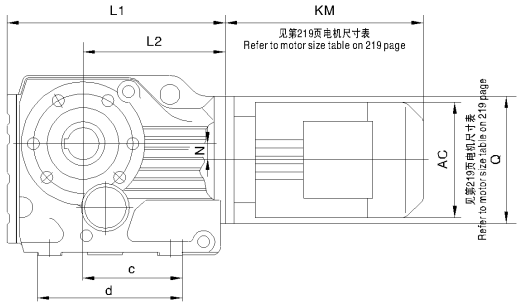

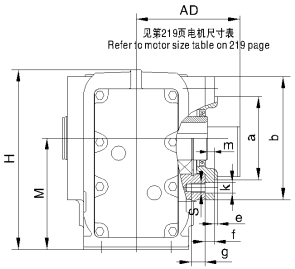

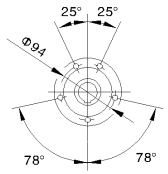

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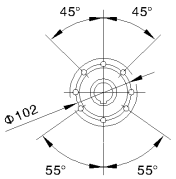

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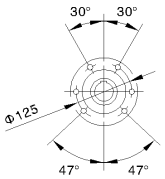

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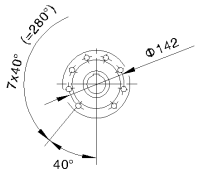

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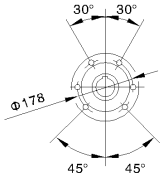

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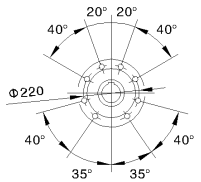

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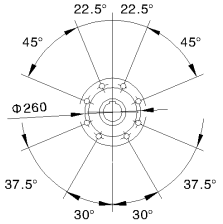
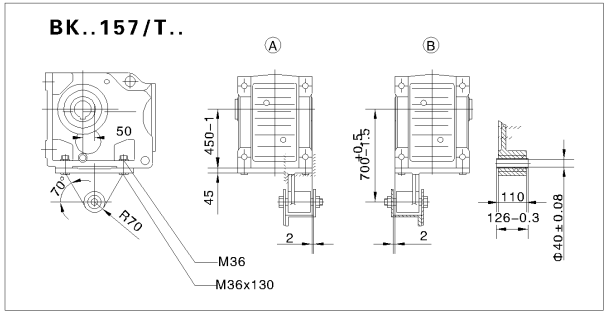
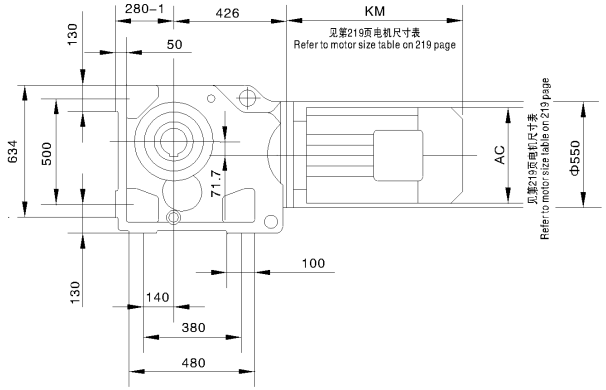


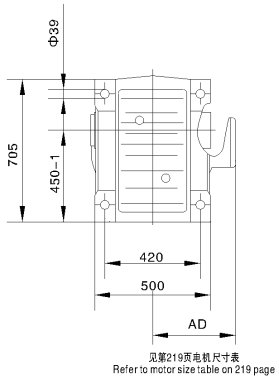
BKAZ107..

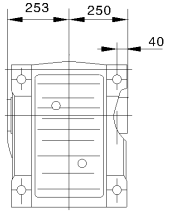
型号 Model	a	b	c	d	e	f	g	H	k	L1	L2	m	M	N	Q	S
BKAZ37..	110	80j6	97	147	3	11.5	12	164	9	210	139	9	100	8.5	120	M8
BKAZ47..	120	80j6	115	170	3	11	12	185	9	243	166	8.5	112	7.2	160	M8
BKAZ57..	155	105j6	120	182	3.5	12	20	215	13.5	269	173	9	132	13.1	160	M12
BKAZ67..	155	105j6	125	182	3.5	12	20	226	13.5	274	179	8.5	140	20	160	M12
BKAZ77..	170	125j6	139	204	3.5	14	20	286	13.5	312	202	10	180	31.3	200	M12
BKAZ87..	215	155j6	190	280	4	15	26	338	17.5	390	257	11	212	25.9	250	M16
BKAZ97..	260	180j6	190	298	4	18	26	414	17.5	435	277	14	265	32.3	300	M16
BKAZ107..	304	210j6	23	370	4	22	30	500	22	537	341	8	315	52	350	M20

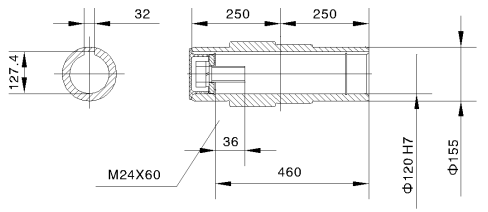
BKA157..











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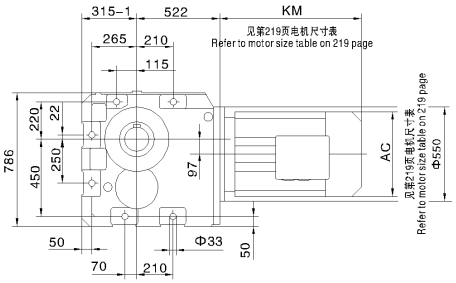

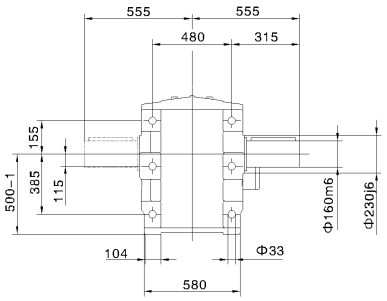

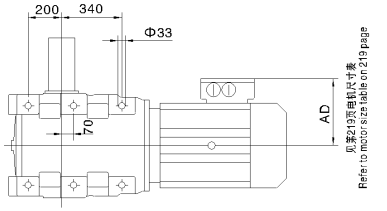

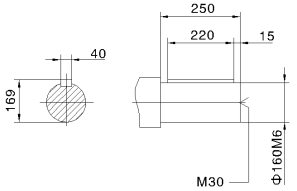

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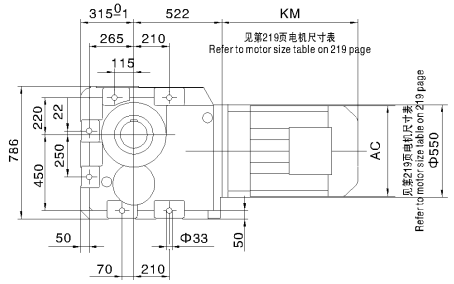

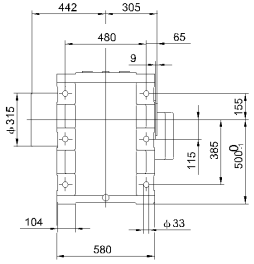

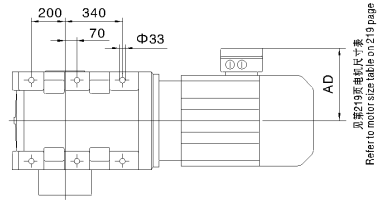

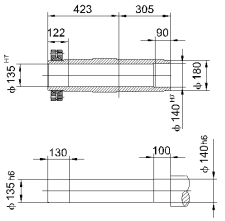

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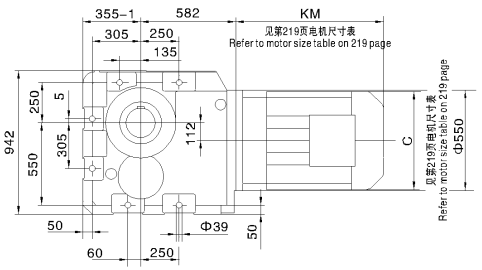

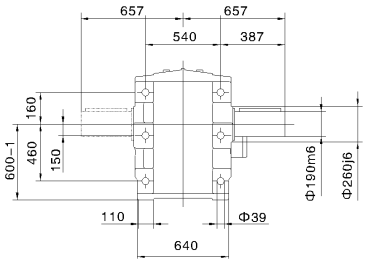

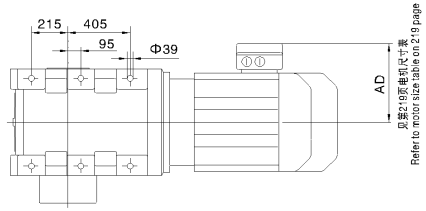

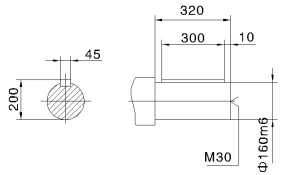

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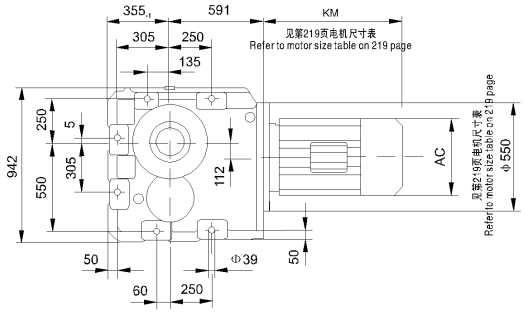

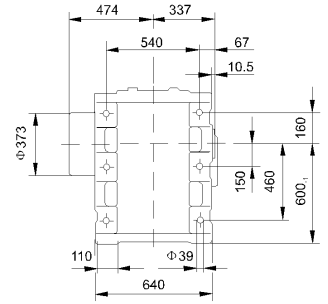

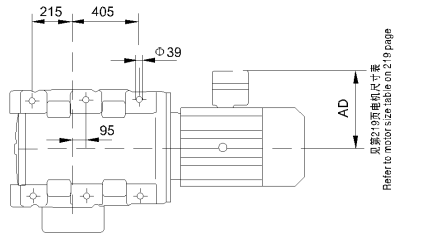

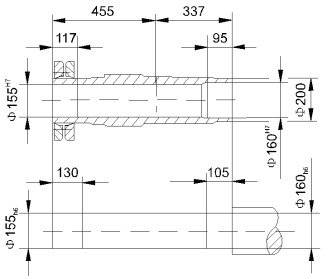

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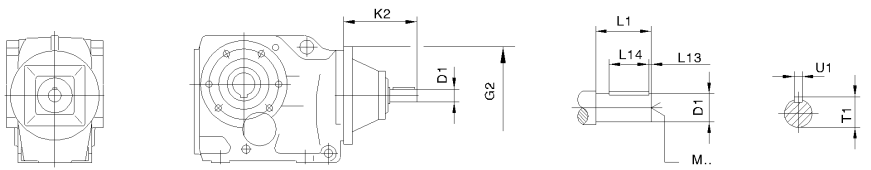
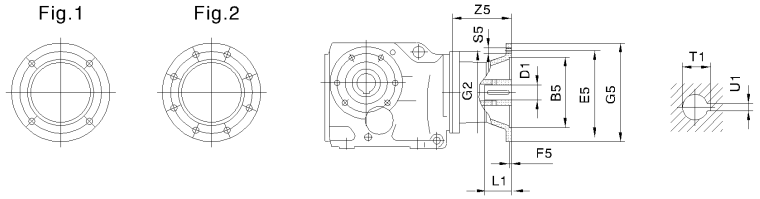


减速箱规格 Gear unit type	联接盘规格 Motor adcopator	G2	K2	D1	L1	L13	L14	T1	U1	M
BK..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
BK..47 BK..57 BK..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
BK..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
BK..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
BK..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
BK..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
BK..127	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
	AD7		300	55	110	10	90	59	16	M20
	AD8		383	70	140	15	110	74.5	20	M20
BK..157 BK..167 BK..187	AD5	550	258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

BK..AM..

Fig.1 Fig.2



减速箱规格 Gear unit type	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BK..37	AM63	1	95G7	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71[1]		110G7	130			160			14	30	16.3	5
	AM80[1]		130G7	165	4.5		200	M10	106	19	40	21.8	6
	AM90[1]									24	50	27.3	8
BK..47 BK..57 BK..67	AM63	1	95G7	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71		110G7	130			160			14	30	16.3	5
	AM80		130G7	165	4.5		200	M10	99	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1]		180G7	215	5		250	M12	134	28	60	31.3	8
	AM112[1]												
	AM112[1]		230G7	265			300		189	38	80	41.3	10
BK..77	AM63	1	95G7	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71		110G7	130			160			14	30	16.3	5
	AM80		130G7	165	4.5		200	M10	92	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1]		180G7	215	5		250	M12	126	28	60	31.3	8
	AM112[1]												
	AM132S[1] AM132M[1]		230G7	265	5		300		179	38	80	41.3	10
	AM132ML[1]												
BK..87	AM80	1	130G7	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100		180G7	215	5		250	M12	121	28	60	31.3	8
	AM112												
	AM132S AM132M		230G7	265			300		174	38	80	41.3	10
	AM132ML												
	AM160[1]		250G7	300	6		350	M16	232	42	110	45.3	6
	AM180[1]									48		51.8	8
BK..97	AM100	1	180G7	215	5	300	250	M12	116	28	60	31.3	8
	AM112												
	AM132S AM132M		230G7	265			300		169	38	80	41.3	10
	AM132ML												
	AM160		250G7	300	6		350	M16	227	42	110	45.3	12
	AM180									48		51.8	14
	AM200[1]		300G7	350	7		400		268	55		59.3	16
	AM225[1]	2	350G7	400			450		283	60	140	64.4	18

1) 如果安装在BK系列底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 BK foot – mounted gear unit, please check.

BK..AM..

Fig.1

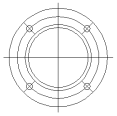
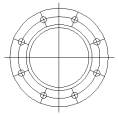
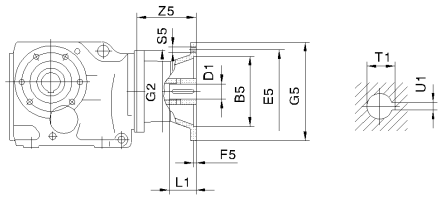


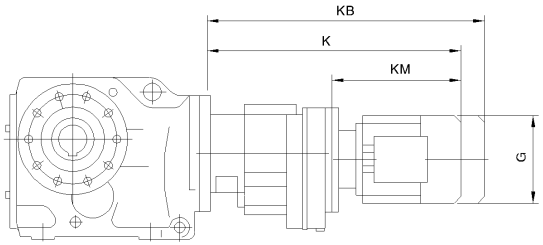
Fig.2





减速箱规格 Gear unit type	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BK..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	M16	221	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		262	55		59.3	16
	AM225	2	350	400			450		277	60	140	64.4	18
BK..127	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350	M16	206	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		247	55		59.3	16
	AM225	2	350	400			450		262	60	140	64.4	18
	AM250		450	500			550		336	65		69.4	
	AM280									75		79.9	20
BK..157 BK..167 BK..187	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		239	55		59.3	16
	AM225	2	350	400			450		254	60	140	64.4	18
	AM250		450	500			550		328	65		69.4	
	AM280									75		79.9	20

BK..R..



减速箱规格 Gear unit type	电机规格 Motor type	G	K	KB	KM
BK..37R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BK..47R17 BK..67R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
BK..57R37	D63..	155	410	457	235
	D71D	155	401	456	236
	D80..	155	451	515	286
	D90..	210	451	536	286
BK..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
BK..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
BK..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
BK..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

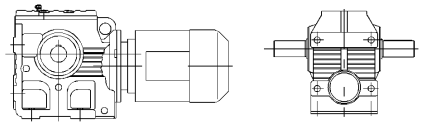
注: 上表中电机尺寸为参考尺寸，因空间限制对尺寸有严格要求时请向我公司咨询。
Notes: The dimension of motor in the above table is only for reference. If you have special require, please consult us.

减速箱规格 Gear unit type	电机规格 Motor type	G	K	KB	KM
BK..127R77	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
	D90..	210	503	588	271
	D100M	210	553	638	321
	D100L	210	573	658	341
	D112M	240	587	667	355
	D132S	240	632	712	400
	D132M	285	684	796	452
	D132ML	285	704	816	472
	D160M	330	734	846	502
BK..127R87	D90..	210	547	632	267
	D100M	210	597	682	317
	D100L	210	617	702	337
	D112M	240	630	710	350
	D132S	240	675	755	395
	D132M	285	727	839	447
	D132ML	285	747	859	467
	D160M	330	777	889	497
	D160L	330	824	980	544
	D180..	380	896	1052	616
BK..157R97 BK..167R97 BKH..167BR97 BK187R97 BKH187R97	D80..	155	586	650	261
	D90..	210	586	671	261
	D100M	210	636	721	311
	D100L	210	656	741	331
	D112M	240	670	750	345
	D132S	240	715	795	390
	D132M	285	767	879	442
	D132ML	285	787	899	462
	D160M	330	817	929	492
	D160L	330	864	1020	539
	D180..	380	936	1092	61
	D200..	420	1024	1180	699
BK..157R107 BK167R97 BKH167BR97 BK187R97 BKH187BR97	D100M	210	687	772	305
	D100L	210	707	792	325
	D112M	240	721	801	339
	D132S	240	766	846	384
	D132M	285	818	930	436
	D132ML	285	838	950	456
	D160M	330	868	980	486
	D160L	330	915	1071	533
	D180..	380	987	1143	605
	D200..	420	1075	1231	693
	D225..	470	1107	1263	725

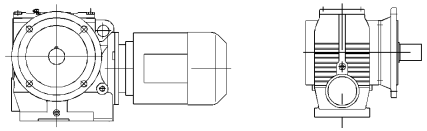
8. BS 斜齿轮–蜗轮蜗杆减速电机
BS Helical–worm geared motor

8.1 设计方案
8.1 Versions of geared motors

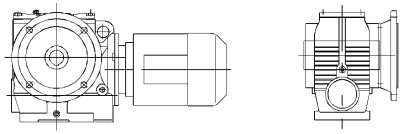
斜齿轮 – 蜗轮蜗杆齿轮减速电机有以下设计方案：
The following types of helical–worm gearmotor can be supplied：



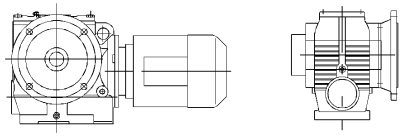
BS..D..
底脚安装斜齿轮––蜗轮蜗杆齿轮减速电机
Foot – mounted helical – worm gearmotor



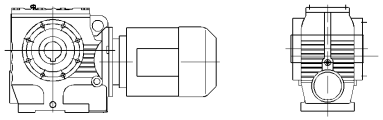
BSF..D..
法兰安装斜齿轮––蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor flange – mounted version.



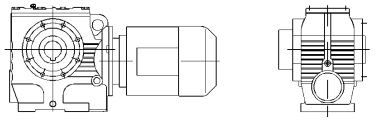
BSAF..D..
B5 法兰空心轴安装斜齿轮––蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B5 flange – mounted version with hollow shaft.



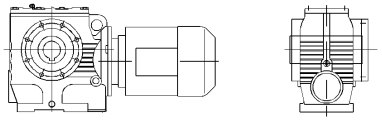
BSHF..D..
B5 法兰空心轴锁紧盘安装斜齿轮––蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B5 flange – mounted version with hollow shaft and shrink disk.



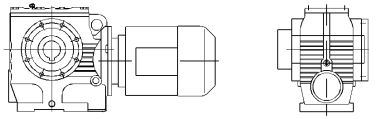
BSA..D..
空心轴安装斜齿轮––蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor with hollow shaft.



BSH..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.



BSAZ..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



BSHZ..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
BS/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				
BS/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			
BS/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			
BS/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
BS/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
BS/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
BS/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

减速器型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180			
BS/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					
BS/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			
BS/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.Torque

BS37–57 n_e=1400 1/min

BS37				90Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
157.43	8.9	92	3000	AD_1
144.40	9.7	92	3000	
122.94	11	91	3000	
106.00	13	88	3000	
98.80	14	87	3000	
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	AD_2
51.30	27	81	3000	AD_1
43.68	32	81	3000	
37.66	37	79	3000	
35.10	40	78	3000	
30.68	46	76	2870	
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	AD_2
18.24	77	52	2380	AD_1
15.53	90	50	2240	
13.39	105	49	2110	AD_2
12.48	112	48	2060	
10.91	128	48	1940	
10.23	137	47	1900	
9.02	155	46	1810	
8.00	175	45	1730	
6.80	206	43	1630	

BS47				170Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
201.00	7.0	170	5340	AD_1
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	
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	AD_2
54.59	26	155	5150	AD_1
47.32	30	155	4850	
44.22	32	155	4710	
38.23	37	155	4430	AD_2
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	
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	

BS57				300Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
201.00	7.0	295	7130	AD_1
184.80	7.6	295	7130	
158.12	8.9	295	7130	
137.05	10	295	7130	
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	AD_2
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	
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	

BS67–87 n_e=1400 1/min

BS67				520Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ras} [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	AD_2
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	AD_3
54.70	26	480	8670	
46.40	30	480	8060	
41.89	33	480	7690	
36.85	38	480	7250	
34.80	40	480	7060	AD_2
29.63	47	480	6540	
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	AD_3
17.28	81	340	5080	
15.60	90	340	4820	AD_2
13.73	102	340	4510	
12.96	108	340	4310	
11.03	127	340	3660	
10.03	140	340	3290	AD_3
8.69	161	335	2860	
7.56	185	295	3220	

BS77				1270Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ras} [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	
97.14	14	1140	12900	AD_2
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	
56.92	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	AD_3
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	AD_4
8.06	174	680	1160	

BS87				2280Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ras} [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	28200	
139.05	10	2100	28300	
123.48	11	2060	28300	AD_2
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	AD_3
57.00	25	1600	29000	AD_2
47.91	29	1600	29000	
44.03	32	1600	29000	
39.10	36	1600	28200	AD_3
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	AD_4
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	

Bs97, BS37/47R17 n_e=1400 1/min

BS97				4000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ras} [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	AD_3
145.60	9.6	3730	36800	
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	AD_4
65.45	21	2900	38100	AD_3
60.59	23	3300	37500	
55.79	25	3300	37100	
49.87	28	3300	35600	
44.89	31	3300	34100	AD_4
40.65	34	3300	32800	
36.05	39	3300	31300	
32.60	43	3200	30400	
27.63	51	3010	29000	AD_5
26.39	53	2600	26100	AD_4
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	AD_5
15.42	91	2470	20800	
13.07	107	2330	20100	
11.41	123	2210	19500	
9.55	147	2040	18800	
8.26	169	1770	18800	

BS37R17			90Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ras} [N]
10037	0.14	92	3000
8654	0.16	92	3000
8066	0.17	92	3000
7051	0.20	92	3000
6079	0.23	92	3000
5431	0.26	92	3000
4747	0.29	92	3000
4155	0.34	92	3000
3632	0.39	92	3000
2866	0.49	92	3000
2471	0.57	92	3000
2160	0.65	92	3000
1887	0.74	92	3000
1665	0.84	92	3000
1456	0.96	92	3000
1271	1.1	92	3000
1121	1.2	92	3000
994	1.4	92	3000
869	1.6	92	3000
774	1.8	92	3000
666	2.1	92	3000
596	2.3	92	3000
521	2.7	92	3000
456	3.1	92	3000
398	3.5	92	3000
351	4.0	92	3000
303	4.6	92	3000
265	5.3	92	3000
232	6.0	92	3000
202	6.9	92	3000
179	7.8	92	3000
158	8.9	92	3000
144	9.7	92	3000
118	12	92	3000
110	13	92	3000

BS47R17			185Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{ras} [N]
12909	0.11	185	5250
11189	0.13	185	5250
10374	0.13	185	5250
8992	0.16	185	5250
7860	0.18	185	5250
6887	0.20	185	5250
6055	0.23	185	5250
5292	0.26	185	5250
4637	0.30	185	5250
4092	0.34	185	5250
3582	0.39	185	5200
3131	0.45	185	5200
2714	0.52	185	5200
2412	0.58	185	5200
2131	0.66	185	5200
1863	0.75	185	5200
1663	0.84	185	5200
1435	0.98	185	5200
1254	1.1	185	5200
1120	1.2	185	5200
1083	1.3	185	5200
965	1.5	185	5200
956	1.5	185	5210
865	1.6	185	5200
750	1.9	185	5200
655	2.1	185	5200
574	2.4	185	5200
506	2.8	185	5200
438	3.2	185	5200
388	3.6	185	5200
336	4.2	185	5200
294	4.8	185	5200
257	5.4	185	5260
229	6.1	185	5200
200	7.0	185	5200
187	7.5	185	5200
165	8.5	185	5200
148	9.5	185	5200
131	11	185	5200

BS57R17, BS67/77R37 n_e=1400 1/min

BS57R17			300Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
12909	0.11	330	6800
11189	0.13	330	6800
10374	0.13	330	6800
8992	0.16	330	6800
7860	0.18	330	6800
6887	0.20	330	6800
6055	0.23	330	6800
5292	0.26	330	6800
4637	0.30	330	6800
4092	0.34	330	6800
3628	0.39	330	6800
3131	0.45	300	7090
2714	0.52	300	7090
2412	0.58	300	7090
2131	0.66	300	7090
1863	0.75	300	7090
1663	0.84	300	7090
1435	0.98	300	7090
1254	1.1	300	7090
1083	1.3	300	7090
965	1.5	300	7090
865	1.6	300	7090
750	1.9	300	7090
655	2.1	300	7090
574	2.4	300	7090
506	2.8	300	7090
438	3.2	300	7090
388	3.6	300	7090
336	4.2	300	7090
294	4.8	300	7090
269	5.2	300	7090
229	6.1	300	7090
204	6.9	300	7090
187	7.5	300	7090
165	8.5	300	7090
131	11	300	7090

BS67R37			570Nm
i	n_a [1/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

BS77R37			1270Nm
i	n_a [1/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

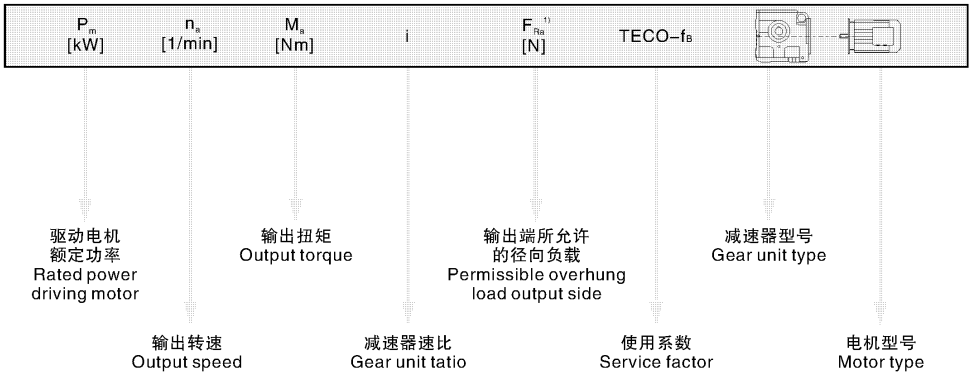
BS87/97R57 n_e=1400 1/min

BS87R57			2500Nm
i	n_a [1/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

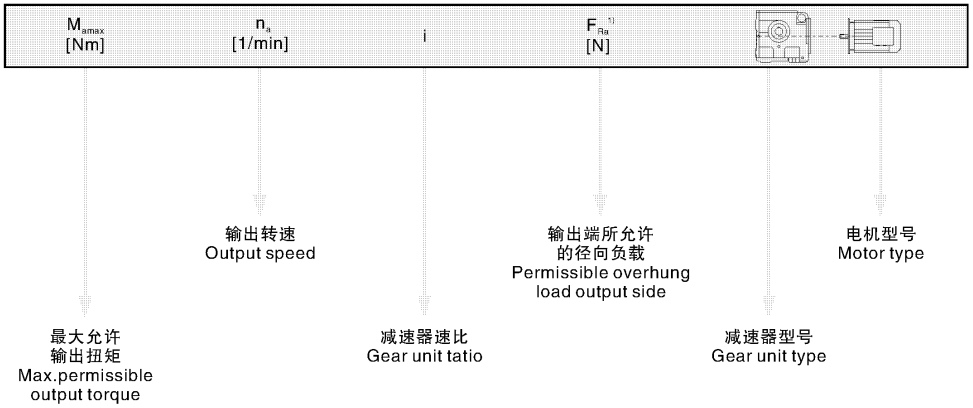
BS97R57			4200Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
33818	0.04	4200	34200
31154	0.04	4200	34200
27847	0.05	4200	34200
24641	0.06	4200	34200
21537	0.07	4200	34200
18749	0.07	4200	34200
16233	0.09	4200	34200
14576	0.10	4200	34200
12752	0.11	4200	34200
11267	0.12	4200	34200
10078	0.14	4200	34200
8608	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
538	2.6	4200	30600
484	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 for geared motors



对于特殊低输出转速
For particularly low output speeds



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地扭矩相对应。
In drives for particularly low output speeds（multi–stage geared motor），the motor power must belimited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_a [1/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} 1) [N]	使用系数 Service factor f_B	型号 Model
0.12kW					
0.12	4610	11267	28700	0.90	BS 97 R57 D63S4
0.14	4210	10078	32800	1.00	BSF 97 R57 D63S4
0.16	3500	8608	34200	1.20	BSA 97 R57 D63S4
0.18	3090	7554	34800	1.35	BSAF 97 R57 D63S4
0.18	3120	7643	14400	0.80	
0.21	2630	6706	27200	0.95	BS 87 R57 D63S4
0.23	2330	5875	27800	1.05	BSF 87 R57 D63S4
0.27	1960	5187	28500	1.25	BSA 87 R57 D63S4
0.30	1740	4606	28800	1.45	BSAF 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	BS 77 R37 D63S4
0.66	1130	2083	12900	1.10	BSF 77 R37 D63S4
0.76	960	1813	14100	1.30	BSA 77 R37 D63S4
0.79	910	1745	14300	1.35	BSAF 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	BS 67 R37 D63S4
1.2	575	1194	8160	1.00	BSF 67 R37 D63S4
1.3	515	1045	8720	1.10	BSA 67 R37 D63S4
1.5	445	914	9280	1.30	BSAF 67 R37 D63S4
1.7	400	809	9580	1.40	
1.9	355	712	9860	1.60	
2.2	295	615	10100	1.95	BS 67 R37 D63S4
2.5	265	543	10300	2.2	BSF 67 R37 D63S4
2.9	220	469	10400	2.6	BSA 67 R37 D63S4
3.3	197	424	10500	2.9	BSAF 67 R37 D63S4
3.8	180	365	10500	3.2	
2.1	315	655	6930	0.95	
2.4	275	574	7290	1.10	
2.7	240	506	7540	1.25	BS 57 R17 D63S4
3.2	210	438	7750	1.45	BSF 57 R17 D63S4
3.6	183	388	7880	1.65	BSA 57 R17 D63S4
4.1	163	336	7980	1.85	BSAF 57 R17 D63S4
4.7	140	294	8070	2.1	
5.1	134	269	8090	2.2	
3.2	210	438	5060	0.90	
3.6	183	388	5210	1.00	
4.1	162	336	5320	1.15	BS 47 R17 D63S4
4.7	139	294	5450	1.35	BSF 47 R17 D63S4
5.4	95	257	5680	1.95	BSA 47 R17 D63S4
6.0	113	229	5570	1.65	BSAF 47 R17 D63S4
6.9	99	200	5630	1.90	
7.4	92	187	5660	2.0	
6.8	99	202	3000	0.95	
7.7	88	179	3000	1.05	BS 37 R17 D63S4
8.7	78	158	3000	1.15	BSF 37 R17 D63S4
9.6	72	144	3000	1.25	BSA 37 R17 D63S4
12	59	118	3000	1.55	BSAF 37 R17 D63S4
13	55	110	3000	1.65	
4.5	143	201.00	8050	2.1	BS 57 D63M6
4.9	133	184.80	8090	2.2	BSF 57 D63M6
5.7	116	158.12	8150	2.5	BSA 57 D63M6
6.6	103	137.05	8180	2.9	BSAF 57 D63M6
4.5	138	201.00	5490	1.30	
4.9	129	184.80	5540	1.40	BS 47 D63M6
5.7	112	158.12	5610	1.55	BSF 47 D63M6
6.6	99	137.05	5660	1.75	BSA 47 D63M6
7.0	93	128.10	5680	1.85	BSAF 47 D63M6

输出转速 Output speed n_a [1/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} 1) [N]	使用系数 Service factor f_B	型号 Model
0.12kW					
6.9	95	201.00	5680	1.80	
7.5	89	184.80	5700	1.90	BS 47 D63S4
8.7	77	158.12	5740	2.2	BSF 47 D63S4
10	68	137.05	5780	2.5	BSA 47 D63S4
11	64	128.10	5790	2.6	BSAF 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	BS 37 D63M6
7.3	86	122.94	3000	1.05	BSF 37 D63M6
8.5	76	106.00	3000	1.20	BSA 37 D63M6
9.1	71	98.80	3000	1.30	BSAF 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	BS 37 D63S4
11	60	122.94	3000	1.55	BSF 37 D63S4
13	52	106.00	3000	1.70	BSA 37 D63S4
14	49	98.80	3000	1.75	BSAF 37 D63S4
16	44	86.36	3000	1.95	
17	41	80.96	3000	2.1	
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	BS 37 D63S4
39	23	35.10	3000	3.4	BSF 37 D63S4
45	20	30.68	3000	3.7	BSA 37 D63S4
48	19	28.76	3000	3.9	BSAF 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					
					BS 87 R57 D63M4
0.29	2970	4606	20900	0.85	BSF 87 R57 D63M4
0.34	2480	3872	27500	1.00	BSA 87 R57 D63M4
					BSAF 87 R57 D63M4
0.38	2350	3475	27800	1.05	
0.45	1970	2905	28500	1.25	BS 87 R57 D63M4
0.51	1710	2586	28900	1.45	BSF 87 R57 D63M4
0.57	1520	2335	29100	1.65	BSA 87 R57 D63M4
0.64	1320	2054	29400	1.90	BSAF 87 R57 D63M4
0.72	1170	1824	29500	2.1	
0.81	1050	1631	29600	2.4	
					BS 77 R37 D63M4
0.94	1220	1404	12200	1.00	BSF 77 R37 D63M4
1.1	1070	1245	13000	1.15	BSA 77 R37 D63M4
					BSAF 77 R37 D63M4
1.2	990	1100	13900	1.25	
1.4	850	954	14700	1.45	BS 77 R37 D63M4
1.6	745	837	15200	1.65	BSF 77 R37 D63M4
1.9	625	714	15600	2.0	BSA 77 R37 D63M4
2.1	555	637	15900	2.2	BSAF 77 R37 D63M4
2.3	500	574	16000	2.5	
1.6	660	809	5140	0.85	
1.9	580	712	8060	1.00	BS 67 R37 D63M4
2.2	490	615	8920	1.15	BSF 67 R37 D63M4
2.4	440	543	9330	1.30	BSA 67 R37 D63M4
2.8	370	469	9780	1.55	BSAF 67 R37 D63M4
3.1	335	424	9970	1.70	
3.6	295	365	10100	1.90	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
3.0	345	438	6630	0.85	
3.4	305	388	7040	1.00	
3.9	270	336	7350	1.10	BS 57 R17 D63M4
4.5	235	294	7600	1.30	BSF 57 R17 D63M4
4.9	220	269	7690	1.35	BSA 57 R17 D63M4
5.8	188	229	7860	1.60	BSAF 57 R17 D63M4
6.5	169	204	7950	1.80	
7.1	154	187	8010	1.95	
4.5	230	294	4910	0.80	
5.1	158	257	5400	1.15	
5.8	185	229	5200	1.00	BS 47 R17 D63M4
6.6	162	200	5330	1.15	BSF 47 R17 D63M4
7.1	152	187	5380	1.20	BSA 47 R17 D63M4
8.0	134	165	5470	1.40	BSAF 47 R17 D63M4
8.9	121	148	5530	1.55	
10	108	131	5590	1.70	
4.0	255	217.41	10300	2.2	BS 67 D71M6
4.6	225	190.11	10400	2.5	BSF 67 D71M6
4.8	215	180.60	10400	2.6	BSA 67 D71M6
					BSAF 67 D71M6
4.3	220	201.00	7670	1.35	BS 57 D71M6
4.7	205	184.80	7760	1.45	BSF 57 D71M6
5.5	180	158.12	7900	1.65	BSA 57 D71M6
6.3	159	137.05	7990	1.85	BSAF 57 D71M6
6.6	154	201.00	8010	1.90	BS 57 D63M4
7.1	143	184.80	8050	2.1	BSF 57 D63M4
8.4	125	158.12	8120	2.4	BSA 57 D63M4
9.6	110	137.05	8160	2.7	BSAF 57 D63M4
4.3	215	201.00	5090	0.85	BS 47 D71M6
4.7	199	184.80	5180	0.90	BSF 47 D71M6
5.5	173	158.12	5320	1.00	BSA 47 D71M6
6.3	153	137.05	5420	1.10	BSAF 47 D71M6
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	BS 47 D63M4
10	100	128.10	5660	1.65	BSF 47 D63M4
12	88	110.73	5700	1.90	BSA 47 D63M4
14	77	94.08	5750	2.2	BSAF 47 D63M4
16	69	84.00	5770	2.4	
18	60	71.75	5800	2.8	
19	69	69.39	5750	2.2	
8.4	115	157.43	3000	0.80	
9.1	107	144.40	3000	0.85	
11	93	122.94	3000	1.00	BS 37 D63M4
12	82	106.00	3000	1.10	BSF 37 D63M4
13	77	98.80	3000	1.15	BSA 37 D63M4
15	68	86.36	3000	1.25	BSAF 37 D63M4
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	BS 37 D63M4
46	30	28.76	3000	2.5	BSF 37 D63M4
52	27	25.38	3000	2.8	BSA 37 D63M4
59	24	22.50	3000	3.1	BSAF 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	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.25kW					
0.45	2860	2905	24300	0.85	
0.50	2500	2586	27500	1.00	
0.56	2240	2335	28000	1.10	BS 87 R57 D71M4
0.63	1950	2054	28500	1.30	BSF 87 R57 D71M4
0.71	1730	1824	28900	1.45	BSA 87 R57 D71M4
0.80	1550	1631	29100	1.60	BSAF 87 R57 D71M4
1.4	910	930	29800	2.8	
1.4	1230	954	12100	1.00	
1.5	1080	837	13300	1.15	BS 77 R37 D71M4
1.8	910	714	14400	1.35	BSF 77 R37 D71M4
2.0	810	637	14900	1.55	BSA 77 R37 D71M4
2.3	730	574	15200	1.70	BSAF 77 R37 D71M4
2.6	625	499	15600	2.0	
2.4	635	543	7420	0.90	
2.8	540	469	8500	1.05	BS 67 R37 D71M4
3.1	485	424	8970	1.15	BSF 67 R37 D71M4
3.6	430	365	9390	1.30	BSA 67 R37 D71M4
4.1	375	319	9750	1.50	BSAF 67 R37 D71M4
4.6	330	281	9990	1.75	
4.4	340	294	6720	0.90	
4.8	315	269	6950	0.95	
5.7	270	229	7330	1.10	BS 57 R17 D71M4
6.4	245	204	7530	1.25	BSF 57 R17 D71M4
6.9	225	187	7660	1.35	BSA 57 R17 D71M4
7.9	198	165	7810	1.50	BSAF 57 R17 D71M4
9.9	159	131	7990	1.90	
3.1	435	217.41	9350	1.30	BS 67 D80N8*
3.6	390	190.11	9670	1.45	BSF 67 D80N8*
3.8	370	180.60	9770	1.50	BSA 67 D80N8*
4.3	330	158.45	9980	1.70	BSAF 67 D80N8*
4.1	350	217.41	9890	1.60	BS 67 D71D6
4.6	310	190.11	10100	1.80	BSF 67 D71D6
4.9	295	180.60	10100	1.90	BSA 67 D71D6
5.6	265	158.45	10300	2.1	BSAF 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	BS 67 D71M4
8.2	187	158.45	10500	2.8	BSF 67 D71M4
9.7	161	134.40	10600	3.2	BSA 67 D71M4
11	147	121.33	10600	3.5	BSAF 67 D71M4
12	131	106.75	10700	4.0	
4.4	305	201.00	7050	1.00	
4.8	285	184.80	7230	1.05	BS 57 D71D6
5.6	245	158.12	7510	1.20	BSF 57 D71D6
6.4	220	137.05	7690	1.35	BSA 57 D71D6
6.9	205	128.10	7760	1.45	BSAF 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	BS 57 D71M4
9.5	155	137.05	8010	1.90	BSF 57 D71M4
10	146	128.10	8040	2.0	BSA 57 D71M4
12	129	110.73	8110	2.3	BSAF 57 D71M4
14	111	94.08	8160	2.7	
15	101	84.00	8190	2.9	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BS 47 D71M4
14	108	94.08	5630	1.55	BSF 47 D71M4
15	98	84.00	5670	1.70	BSA 47 D71M4
18	85	71.75	5720	1.95	BSAF 47 D71M4
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	BS 37 D71M4
37	51	35.10	3000	1.55	BSF 37 D71M4
42	45	30.68	3000	1.70	BSA 37 D71M4
45	42	28.76	3000	1.80	BSAF 37 D71M4
51	37	25.38	3000	2.0	
58	33	22.50	3000	2.2	
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	BS 37 D63M2
134	16	19.89	2410	2.8	BSF 37 D63M2
146	15	18.24	2350	3.0	BSA 37 D63M2
171	13	15.53	2250	3.4	BSAF 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	
0.76	2490	1824	27500	1.00	BS 87 R57 D71D4
0.85	2230	1631	28000	1.10	BSF 87 R57 D71D4
1.5	1320	930	29400	1.90	BSA 87 R57 D71D4
1.7	1190	831	29500	2.1	BSAF 87 R57 D71D4
1.9	1290	714	11500	0.95	
2.2	1150	637	12700	1.10	BS 77 R37 D71D4
2.4	1040	574	13600	1.20	BSF 77 R37 D71D4
2.8	900	499	14400	1.40	BSA 77 R37 D71D4
3.2	785	438	15000	1.60	BSAF 77 R37 D71D4
3.5	700	389	15400	1.80	
3.8	615	365	7700	0.95	BS 67 R37 D71D4
4.3	535	319	8540	1.05	BSF 67 R37 D71D4
4.9	470	281	9080	1.20	BSA 67 R37 D71D4
5.6	425	246	9430	1.35	BSAF 67 R37 D71D4
2.4	980	288.00	29700	2.5	BS 87 D90S8
2.6	890	258.18	29800	2.8	BSF 87 D90S8
3.1	775	222.40	29900	3.2	BSA 87 D90S8
					BSAF 87 D90S8

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.37kW					
3.0	735	225.26	15200	1.75	BS 77 D90S8
3.2	700	214.00	15300	1.80	BSF 77 D90S8
3.6	630	189.09	15600	2.0	BSA 77 D90S8
4.2	545	161.60	15900	2.3	BSAF 77 D90S8
3.5	645	256.47	15600	2.0	BS 77 D80K6
4.0	575	225.26	15800	2.2	BSF 77 D80K6
4.2	545	214.00	15900	2.3	BSA 77 D80K6
					BSAF 77 D80K6
4.1	505	217.41	8810	1.10	BS 67 D80K6
4.7	450	190.11	9260	1.25	BSF 67 D80K6
5.0	430	180.60	9400	1.30	BSA 67 D80K6
5.7	380	158.45	9700	1.45	BSAF 67 D80K6
6.3	345	217.41	9900	1.50	
7.3	310	190.11	10100	1.70	BS 67 D71D4
7.6	295	180.60	10200	1.75	BSF 67 D71D4
8.7	260	158.45	10300	2.0	BSA 67 D71D4
10	225	134.40	10400	2.3	BSAF 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	BS 57 D80K6
7.0	300	128.10	7100	1.00	BSF 57 D80K6
8.1	265	110.73	7390	1.10	BSA 57 D80K6
9.6	230	94.08	7630	1.30	BSAF 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	BS 57 D71D4
12	180	110.73	7900	1.65	BSF 57 D71D4
15	156	94.08	8000	1.90	BSA 57 D71D4
16	141	84.00	8060	2.1	BSAF 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	BS 47 D71D4
22	126	63.80	5510	1.25	BSF 47 D71D4
25	109	54.59	5590	1.40	BSA 47 D71D4
29	96	47.32	5410	1.60	BSAF 47 D71D4
31	90	44.22	5330	1.75	
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 [1/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}[1] [N]	使用系数 Service factor f_s	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	BS 37 D71D4
54	52	25.38	2940	1.40	BSF 37 D71D4
61	47	22.50	2870	1.55	BSA 37 D71D4
69	44	19.89	2610	1.20	BSAF 37 D71D4
76	41	18.24	2570	1.30	
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	BS 37 D71M2
171	19	15.53	2160	2.3	BSF 37 D71M2
198	16	13.39	2080	2.5	BSA 37 D71M2
212	15	12.48	2040	2.7	BSAF 37 D71M2
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	BS 87 R57 D80K4
1.5	2040	930	28400	1.25	BSF 87 R57 D80K4
1.6	1840	831	28700	1.35	BSA 87 R57 D80K4
1.9	1600	719	29000	1.55	BSAF 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	BS 77 R37 D80K4
3.5	1070	389	13300	1.15	BSF 77 R37 D80K4
4.2	910	327	14300	1.35	BSA 77 R37 D80K4
4.7	820	289	14800	1.50	BSAF 77 R37 D80K4
5.4	710	250	15300	1.75	
5.5	650	246	6600	0.90	BS 67 R37 D80K4
6.2	580	221	8080	1.00	BSF 67 R37 D80K4
6.9	530	198	8590	1.10	BSA 67 R37 D80K4
8.1	455	168	9230	1.25	BSAF 67 R37 D80K4
2.4	1450	288.00	29200	1.70	BS 87 D90L8
2.6	1320	258.18	29400	1.85	BSF 87 D90L8
3.1	1150	222.40	29600	2.1	BSA 87 D90L8
					BSAF 87 D90L8
3.1	1130	288.00	29600	2.2	BS 87 D80N6
3.5	1020	258.18	29700	2.4	BSF 87 D80N6
4.1	900	222.40	29800	2.7	BSA 87 D80N6
4.4	820	202.96	29800	2.9	BSAF 87 D80N6
3.0	1090	225.26	13200	1.15	BS 77 D90L8
3.2	1040	214.00	13500	1.20	BSF 77 D90L8
3.6	930	189.09	14200	1.35	BSA 77 D90L8
4.2	810	161.60	14900	1.55	BSAF 77 D90L8
3.5	960	256.47	14100	1.35	BS 77 D80N6
4.0	850	225.26	14700	1.50	BSF 77 D80N6
4.2	810	214.00	14800	1.55	BSA 77 D80N6
4.8	730	189.09	15200	1.75	BSAF 77 D80N6
5.6	635	161.60	15600	2.0	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model
0.55kW					
5.3	660	256.47	15500	1.90	BS 77 D80K4
6.0	590	225.26	15800	2.2	BSF 77 D80K4
6.4	560	214.00	15800	2.3	BSA 77 D80K4
7.2	505	189.09	16000	2.5	BSAF 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	BS 67 D80K4
10	340	134.40	9930	1.55	BSF 67 D80K4
11	310	121.33	10100	1.65	BSA 67 D80K4
13	275	106.75	10200	1.85	BSAF 67 D80K4
13	265	100.80	10300	1.95	
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	BS 57 D80N6
13	250	67.20	7470	1.15	BSF 57 D80N6
16	245	54.59	7520	1.10	BSA 57 D80N6
19	215	47.32	7710	1.25	BSAF 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	BS 57 D80K4
20	174	67.20	7930	1.65	BSF 57 D80K4
25	167	54.59	7960	1.45	BSA 57 D80K4
29	146	47.32	8040	1.70	BSAF 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	BS 47 D80K4
47	91	29.00	4540	1.70	BSF 47 D80K4
55	78	24.77	4380	2.0	BSA 47 D80K4
59	74	23.20	4310	2.1	BSAF 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 [1/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}[1] [N]	使用系数 Service factor f_s	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	BS 37 D80K4
88	53	15.53	2230	0.95	BSF 37 D80K4
102	46	13.39	2200	1.10	BSA 37 D80K4
109	43	12.48	2180	1.15	BSAF 37 D80K4
125	37	10.91	2130	1.30	
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	BS 37 D71D2
174	27	15.53	2010	1.55	BSF 37 D71D2
202	24	13.39	1950	1.75	BSA 37 D71D2
216	22	12.48	1920	1.85	BSAF 37 D71D2
248	19	10.91	1870	2.0	
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	BS 97 R57 D80N4
1.7	3230	824	34600	1.30	BSF 97 R57 D80N4
1.9	2300	714	35900	1.85	BSA 97 R57 D80N4
2.2	2450	626	35700	1.70	BSAF 97 R57 D80N4
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	BS 87 R57 D80N4
1.9	2190	719	28100	1.15	BSF 87 R57 D80N4
2.2	1920	624	28600	1.30	BSA 87 R57 D80N4
2.5	1730	558	28900	1.45	BSAF 87 R57 D80N4
3.2	1390	435	29300	1.75	
4.3	1060	323	29600	2.3	
4.2	1240	327	12000	1.00	BS 77 R37 D80N4
4.8	1110	289	13100	1.10	BSF 77 R37 D80N4
5.5	960	250	14000	1.30	BSA 77 R37 D80N4
6.3	850	219	14700	1.45	BSAF 77 R37 D80N4
2.4	2040	286.40	36100	2.1	BS 97 D100M8
2.6	1890	262.22	36300	2.2	BSF 97 D100M8
3.0	1690	231.67	36400	2.5	BSA 97 D100M8
					BSAF 97 D100M8
3.1	1540	288.00	29100	1.60	BS 87 D90S6
3.5	1400	258.18	29300	1.75	BSF 87 D90S6
4.1	1220	222.40	29500	1.95	BSA 87 D90S6
4.4	1120	202.96	29600	2.1	BSAF 87 D90S6
4.8	1050	288.00	29600	2.2	BS 87 D80N4
5.3	950	258.18	29700	2.4	BSF 87 D80N4
6.2	830	222.40	29800	2.8	BSA 87 D80N4
6.8	765	202.96	29900	3.0	BSAF 87 D80N4
4.0	1160	225.26	12700	1.10	BS 77 D90S6
4.2	1110	214.00	13100	1.15	BSF 77 D90S6
4.8	990	189.09	13900	1.30	BSA 77 D90S6
5.6	860	161.60	14600	1.45	BSAF 77 D90S6

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	BS 77 D80N4
7.3	675	189.09	15400	1.90	BSF 77 D80N4
8.5	585	161.60	15800	2.2	BSA 77 D80N4
9.3	545	148.15	15900	2.3	BSAF 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	9180	1.15	
11	420	121.33	9470	1.25	BS 67 D80N4
13	375	106.75	9750	1.40	BSF 67 D80N4
14	355	100.80	9860	1.45	BSA 67 D80N4
16	305	85.83	10100	1.70	BSAF 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	BS 57 D90S6
13	345	67.20	6660	0.85	BSF 57 D90S6
16	295	56.61	7140	1.00	BSA 57 D90S6
19	295	47.32	7150	0.90	BSAF 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	BS 57 D80N4
31	185	44.22	7870	1.35	BSF 57 D80N4
36	161	38.23	7980	1.50	BSA 57 D80N4
42	138	32.48	7670	1.80	BSAF 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	BS 47 D80N4
31	182	44.22	4500	0.85	BSF 47 D80N4
36	159	38.23	4420	1.00	BSA 47 D80N4
42	136	32.48	4310	1.15	BSAF 47 D80N4
48	122	29.00	4230	1.25	
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	BS 47 D80N4
84	76	16.47	3490	1.45	BSF 47 D80N4
97	66	14.24	3410	1.65	BSA 47 D80N4
114	56	12.10	3300	1.95	BSAF 47 D80N4
128	50	10.80	3230	2.2	
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	BS 37 D80N4
127	50	10.91	1920	0.95	BSF 37 D80N4
135	47	10.23	1910	1.00	BSA 37 D80N4
153	42	9.02	1890	1.10	BSAF 37 D80N4
173	37	8.00	1860	1.20	
203	32	6.80	1820	1.35	

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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			
216	30	12.48	1800	1.35	**BS**	**37**	**D80K2**
248	26	10.91	1760	1.50	**BSF**	**37**	**D80K2**
264	25	10.23	1740	1.55	**BSA**	**37**	**D80K2**
299	22	9.02	1690	1.65	**BSAF**	**37**	**D80K2**
338	19	8.00	1650	1.80			
397	17	6.80	1590	1.75			
1.1kW							
1.7	4720	824	23300	0.90			
2.0	3370	714	34400	1.25	**BS**	**97 R57**	**D90S4**
2.2	3590	626	34000	1.15	**BSF**	**97 R57**	**D90S4**
2.6	3090	538	34800	1.35	**BSA**	**97 R57**	**D90S4**
2.9	2790	484	35200	1.50	**BSAF**	**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	**BS**	**87 R57**	**D90S4**
3.7	1790	378	28800	1.35	**BSF**	**87 R57**	**D90S4**
4.3	1560	323	29100	1.55	**BSA**	**87 R57**	**D90S4**
5.0	1370	281	29300	1.75	**BSAF**	**87 R57**	**D90S4**
5.5	1460	255	29200	1.35			
6.3	1280	222	29400	1.55			
6.8	1200	205	29500	1.65			
					BS	**77 R37**	**D90S4**
					BSF	**77 R37**	**D90S4**
6.4	1240	219	12000	1.00	**BSA**	**77 R37**	**D90S4**
					BSAF	**77 R37**	**D90S4**
2.4	3030	286.40	34900	1.40	**BS**	**97**	**D100L8**
2.6	2800	262.22	35200	1.50	**BSF**	**97**	**D100L8**
2.9	2500	231.67	35600	1.70	**BSA**	**97**	**D100L8**
3.5	2160	196.52	36000	1.95	**BSAF**	**97**	**D100L8**
					BS	**97**	**D90L6**
3.2	2310	286.40	35900	1.80	**BSF**	**97**	**D90L6**
3.5	2130	262.22	36000	1.95	**BSA**	**97**	**D90L6**
4.0	1900	231.67	36300	2.2	**BSAF**	**97**	**D90L6**
3.2	2220	288.00	28100	1.10	**BS**	**87**	**D90L6**
3.6	2010	258.18	28400	1.20	**BSF**	**87**	**D90L6**
4.1	1760	222.40	28800	1.35	**BSA**	**87**	**D90L6**
4.5	1620	202.96	29000	1.45	**BSAF**	**87**	**D90L6**
4.9	1520	288.00	29100	1.50			
5.4	1370	258.18	29300	1.65	**BS**	**87**	**D90S4**
6.3	1200	222.40	29500	1.90	**BSF**	**87**	**D90S4**
6.9	1100	202.96	29600	2.0	**BSA**	**87**	**D90S4**
7.8	990	180.00	29700	2.2	**BSAF**	**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	**BS**	**77**	**D90S4**
9.4	785	148.15	15000	1.60	**BSF**	**77**	**D90S4**
11	695	130.00	15400	1.75	**BSA**	**77**	**D90S4**
11	665	123.20	15500	1.80	**BSAF**	**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 [1/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}[1] [N]	使用系数 Service factor f_s	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	**BS**	**67**	**D90S4**
21	400	65.63	9610	1.20	**BSF**	**67**	**D90S4**
22	380	62.35	9720	1.25	**BSA**	**67**	**D90S4**
26	335	54.70	9560	1.45	**BSAF**	**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	**BS**	**57**	**D90S4**
21	340	67.20	6710	0.85	**BSF**	**57**	**D90S4**
25	290	56.61	7180	0.90	**BSA**	**57**	**D90S4**
30	285	47.32	7220	0.85	**BSAF**	**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	**BS**	**57**	**D90S4**
60	145	23.20	6660	1.70	**BSF**	**57**	**D90S4**
72	123	19.54	6390	1.75	**BSA**	**57**	**D90S4**
79	117	17.62	5870	1.45	**BSAF**	**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	**BS**	**47**	**D90S4**
60	143	23.20	3640	1.05	**BSF**	**47**	**D90S4**
72	122	19.54	3560	1.20	**BSA**	**47**	**D90S4**
79	117	17.62	3070	0.95	**BSAF**	**47**	**D90S4**
85	109	16.47	3060	1.00			
98	95	14.24	3030	1.15			
116	81	12.10	2980	1.35	**BS**	**47**	**D90S4**
130	73	10.80	2940	1.50	**BSF**	**47**	**D90S4**
152	63	9.23	2870	1.75	**BSA**	**47**	**D90S4**
162	59	8.64	2840	1.85	**BSAF**	**47**	**D90S4**
192	50	7.28	2750	2.1			
					BS	**37**	**D90S4**
175	54	8.00	1570	0.85	**BSF**	**37**	**D90S4**
206	46	6.80	1580	0.95	**BSA**	**37**	**D90S4**
					BSAF	**37**	**D90S4**
202	47	13.39	1590	0.85			
216	44	12.48	1580	0.90	**BS**	**37**	**D80N2**
248	39	10.91	1570	1.00	**BSF**	**37**	**D80N2**
264	36	10.23	1560	1.05	**BSA**	**37**	**D80N2**
299	32	9.02	1540	1.10	**BSAF**	**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	**BS**	**97 R57**	**D90L4**
2.9	3810	484	33600	1.10	**BSF**	**97 R57**	**D90L4**
3.4	3310	420	34500	1.25	**BSA**	**97 R57**	**D90L4**
3.8	2990	376	35000	1.40	**BSAF**	**97 R57**	**D90L4**
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	**BS**	**87 R57**	**D90L4**
4.4	2130	323	28200	1.15	**BSF**	**87 R57**	**D90L4**
5.0	1870	281	28600	1.30	**BSA**	**87 R57**	**D90L4**
5.5	2000	255	28400	1.00	**BSAF**	**87 R57**	**D90L4**
6.3	1750	222	28800	1.15			
6.9	1630	205	29000	1.20			

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	型号 Model		
1.5kW							
2.4	4030	286.40	33100	1.05	**BS**	**97 D112M8**	
2.7	3720	262.22	33700	1.15	**BSF**	**97 D112M8**	
3.0	3330	231.67	34400	1.25	**BSA**	**97 D112M8**	
3.6	2870	196.52	35200	1.45	**BSAF**	**97 D112M8**	
3.2	3150	286.40	34700	1.35	**BS**	**97 D100M6**	
3.5	2910	262.22	35100	1.45	**BSF**	**97 D100M6**	
4.0	2600	231.67	35500	1.60	**BSA**	**97 D100M6**	
4.7	2230	196.52	35900	1.90	**BSAF**	**97 D100M6**	
4.9	2130	286.40	36000	1.90	**BS**	**97 D90L4**	
5.4	1970	262.22	36200	2.0	**BSF**	**97 D90L4**	
6.1	1760	231.67	36400	2.3	**BSA**	**97 D90L4**	
7.2	1510	196.52	36600	2.7	**BSAF**	**97 D90L4**	
3.6	2740	258.18	26600	0.90	**BS**	**87 D100M6**	
4.1	2390	222.40	27700	1.00	**BSF**	**87 D100M6**	
4.5	2200	202.96	28100	1.10	**BSA**	**87 D100M6**	
5.1	1980	180.00	28500	1.20	**BSAF**	**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	**BS**	**87 D90L4**	
7.8	1340	180.00	29400	1.65	**BSF**	**87 D90L4**	
9.3	1140	151.30	29600	1.90	**BSA**	**87 D90L4**	
10	1060	139.05	29600	2.0	**BSAF**	**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	**BS**	**77 D90L4**	
17	640	85.22	15400	1.70	**BSF**	**77 D90L4**	
19	650	75.09	14100	1.70	**BSA**	**77 D90L4**	
20	620	71.33	14000	1.80	**BSAF**	**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			
					BS	**67 D90L4**	
16	600	85.83	7850	0.85	**BSF**	**67 D90L4**	
18	550	78.00	8390	0.95	**BSA**	**67 D90L4**	
21	540	65.63	8510	0.90	**BSAF**	**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	**BS**	**67 D90L4**	
48	255	29.63	7900	1.90	**BSF**	**67 D90L4**	
52	230	26.93	7740	2.1	**BSA**	**67 D90L4**	
58	220	24.44	7000	1.55	**BSAF**	**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 [1/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}[1] [N]	使用系数 Service factor f_s	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			
72	167	19.54	6060	1.30	**BS**	**57**	**D90L4**
80	159	17.62	5430	1.05	**BSF**	**57**	**D90L4**
86	149	16.47	5380	1.15	**BSA**	**57**	**D90L4**
99	129	14.24	5250	1.30	**BSAF**	**57**	**D90L4**
117	110	12.10	5100	1.55			
131	99	10.80	4980	1.70			
153	85	9.23	4820	2.0			
					BS	**47**	**D90L4**
99	129	14.24	2610	0.85	**BSF**	**47**	**D90L4**
117	110	12.10	2620	1.00	**BSA**	**47**	**D90L4**
131	99	10.80	2620	1.10	**BSAF**	**47**	**D90L4**
					BS	**47**	**D90L4**
153	85	9.23	2590	1.30	**BSF**	**47**	**D90L4**
163	79	8.64	2580	1.35	**BSA**	**47**	**D90L4**
194	67	7.28	2530	1.55	**BSAF**	**47**	**D90L4**
					BS	**37**	**D90S2**
299	44	9.02	1330	0.85	**BSF**	**37**	**D90S2**
338	39	8.00	1350	0.90	**BSA**	**37**	**D90S2**
397	33	6.80	1340	0.90	**BSAF**	**37**	**D90S2**
2.2kW							
3.4	4900	420	18800	0.85	**BS**	**97 R57**	**D100M4**
3.8	4410	376	28300	0.95	**BSF**	**97 R57**	**D100M4**
4.3	3870	327	33500	1.10	**BSA**	**97 R57**	**D100M4**
4.9	3420	287	34300	1.25	**BSAF**	**97 R57**	**D100M4**
5.6	3000	252	35000	1.40			
3.3	4530	286.40	30200	0.95	**BS**	**97**	**D112M6**
3.6	4180	262.22	32800	1.00	**BSF**	**97**	**D112M6**
4.1	3730	231.67	33700	1.15	**BSA**	**97**	**D112M6**
4.8	3210	196.52	34600	1.30	**BSAF**	**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			
7.8	2050	180.95	36100	1.90	**BS**	**97**	**D100M4**
8.7	1840	161.74	36300	2.1	**BSF**	**97**	**D100M4**
9.7	1670	145.60	36500	2.2	**BSA**	**97**	**D100M4**
11	1520	131.85	36600	2.4	**BSAF**	**97**	**D100M4**
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	**BS**	**87**	**D100M4**
11	1390	123.48	29300	1.50	**BSF**	**87**	**D100M4**
13	1250	110.40	29500	1.60	**BSA**	**87**	**D100M4**
14	1130	99.26	29600	1.75	**BSAF**	**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 [1/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}[1] [N]	使用系数 Service factor f_s	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	BS 77 D100M4
25	645	56.92	13100	1.55	BSF 77 D100M4
26	695	53.87	12100	1.60	BSA 77 D100M4
29	635	49.38	11900	1.75	BSAF 77 D100M4
33	560	43.33	11700	1.95	
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	BS 67 D100M4
60	295	23.33	6920	1.60	BSF 67 D100M4
69	275	20.37	6060	1.25	BSA 67 D100M4
82	235	17.28	5960	1.45	BSAF 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	BS 57 D100M4
131	145	10.80	4520	1.15	BSF 57 D100M4
153	124	9.23	4420	1.35	BSA 57 D100M4
163	117	8.64	4380	1.40	BSAF 57 D100M4
194	99	7.28	4250	1.50	
3.0kW					
4.9	4710	287	23700	0.90	BS 97 R57 D100L4
5.6	4140	252	32400	1.00	BSF 97 R57 D100L4
6.4	3620	219	33900	1.15	BSA 97 R57 D100L4
6.8	3400	205	34300	1.25	BSAF 97 R57 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	BS 97 D100L4
8.7	2530	161.74	35600	1.50	BSF 97 D100L4
9.6	2300	145.60	35900	1.65	BSA 97 D100L4
11	2090	131.85	36100	1.75	BSAF 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 [1/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}[1] [N]	使用系数 Service factor f_s	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	BS 87 D100L4
17	1460	81.76	29200	1.10	BSF 87 D100L4
18	1230	77.14	29500	1.50	BSA 87 D100L4
20	1260	70.43	29400	1.25	BSAF 87 D100L4
22	1160	64.27	29500	1.40	
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	BS 77 D100L4
19	1150	75.20	12500	0.95	BSF 77 D100L4
21	1020	66.67	12400	1.00	BSA 77 D100L4
22	1110	63.03	10900	1.00	BSAF 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	
43	585	32.38	10300	1.85	BS 77 D100L4
49	515	28.41	10100	2.0	BSF 77 D100L4
56	455	25.07	9840	2.2	BSA 77 D100L4
61	430	22.89	8680	1.65	BSAF 77 D100L4
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	BS 67 D100L4
47	510	29.63	6350	0.95	BSF 67 D100L4
52	465	26.93	6330	1.05	BSA 67 D100L4
60	405	23.33	6270	1.20	BSAF 67 D100L4
69	375	20.37	5230	0.90	
81	320	17.28	5250	1.05	
90	290	15.60	5240	1.15	BS 67 D100L4
102	255	13.73	5210	1.35	BSF 67 D100L4
108	240	12.96	5190	1.40	BSA 67 D100L4
127	205	11.03	5100	1.65	BSAF 67 D100L4
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	BS 57 D100L4
152	171	9.23	3970	1.00	BSF 57 D100L4
162	160	8.64	3960	1.05	BSA 57 D100L4
192	136	7.28	3900	1.10	BSAF 57 D100L4
4.0kW					
6.5	4780	219	22700	0.90	BS 97 R57 D112M4
6.9	4490	205	27300	0.95	BSF 97 R57 D112M4
					BSA 97 R57 D112M4
					BSAF 97 R57 D112M4

输出转速 Output speed n_a [1/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}[1] [N]	使用系数 Service factor f_s	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	34400	1.15	
9.8	3020	145.60	34900	1.25	BS 97 D112M4
11	2750	131.85	35300	1.35	BSF 97 D112M4
12	2460	116.92	35700	1.45	BSA 97 D112M4
13	2230	105.71	35900	1.55	BSAF 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	BS 87 D112M4
22	1520	64.27	29100	1.05	BSF 87 D112M4
25	1350	57.00	29300	1.20	BSA 87 D112M4
30	1150	47.91	29500	1.40	BSAF 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	BS 77 D112M4
26	1250	53.87	9250	0.90	BSF 77 D112M4
29	1150	49.38	9320	0.95	BSA 77 D112M4
33	1020	43.33	9370	1.10	BSAF 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	
62	565	22.89	7650	1.25	BS 77 D112M4
68	520	20.99	7650	1.35	BSF 77 D112M4
77	455	18.42	7620	1.55	BSA 77 D112M4
81	435	17.45	7590	1.65	BSAF 77 D112M4
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	
103	335	13.73	4500	1.00	BS 67 D112M4
110	320	12.96	4520	1.05	BSF 67 D112M4
129	270	11.03	4530	1.25	BSA 67 D112M4
142	245	10.03	4520	1.35	BSAF 67 D112M4
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	
16	2610	89.60	35500	1.25	BS 97 D132S4
18	2290	78.26	35900	1.35	BSF 97 D132S4
20	2350	71.43	35800	1.40	BSA 97 D132S4
22	1930	65.45	36200	1.50	BSAF 97 D132S4
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	

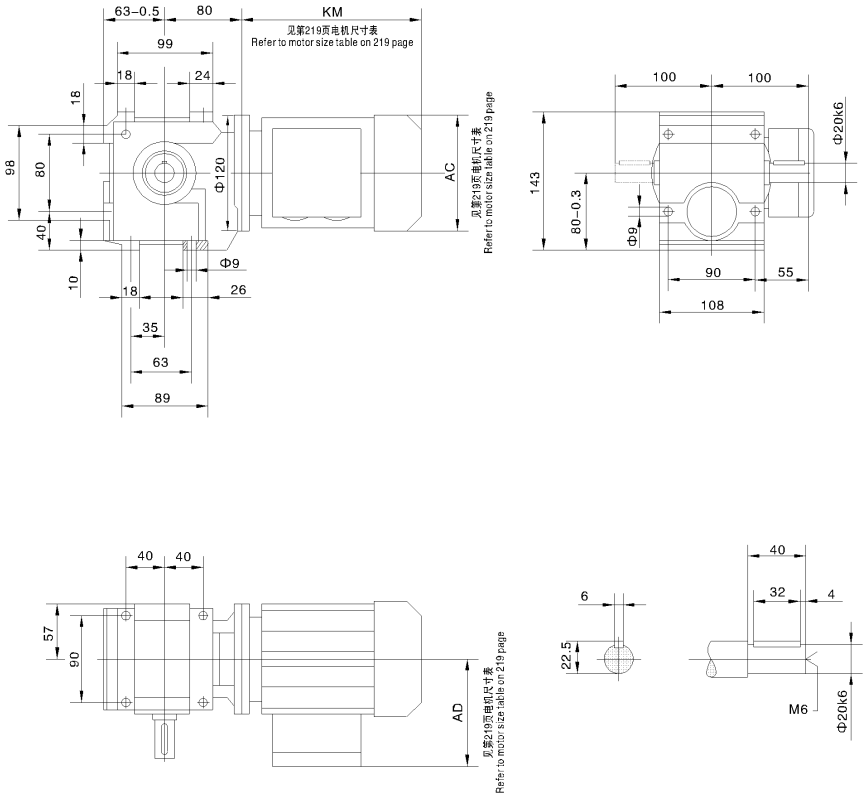
输出转速 Output speed n_a [1/min]	输出转矩 Output torque M_a [N·m]	传动比 Ratio i	径向负荷 Permitted overhung load F_{Ra}[1] [N]	使用系数 Service factor f_s	型号 Model
5.5kW					
19	2200	77.14	28100	0.85	BS 87 D132S4
22	1850	64.00	28700	0.90	BSF 87 D132S4
25	1850	57.00	28700	0.85	BSA 87 D132S4
30	1560	47.91	29100	1.00	BSAF 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	BS 87 D132S4
56	870	25.50	25200	1.45	BSF 87 D132S4
67	730	21.43	24500	1.70	BSA 87 D132S4
73	675	19.70	24100	1.85	BSAF 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	BS 77 D132S4
40	1160	35.94	7750	0.95	BSF 77 D132S4
44	1050	32.38	7850	1.05	BSA 77 D132S4
					BSAF 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	BS 77 D132S4
82	590	17.45	6170	1.20	BSF 77 D132S4
94	520	15.28	6490	1.35	BSA 77 D132S4
104	470	13.76	6510	1.50	BSAF 77 D132S4
118	410	12.07	6500	1.75	
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	BS 67 D132S4
143	340	10.03	3260	1.00	BSF 67 D132S4
165	295	8.69	3670	1.15	BSA 67 D132S4
189	255	7.56	3850	1.15	BSAF 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	BS 97 D132M4
26	2520	55.79	35600	1.30	BSF 97 D132M4
29	2260	49.87	35900	1.45	BSA 97 D132M4
32	2040	44.89	36100	1.60	BSAF 97 D132M4
35	1850	40.65	36300	1.80	
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	
32	1970	44.03	27800	0.80	BS 87 D132M4
37	1750	39.10	27400	0.90	BSF 87 D132M4
41	1570	34.96	27000	1.00	BSA 87 D132M4
					BSAF 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	BS 87 D132M4
73	920	19.70	22700	1.35	BSF 87 D132M4
82	820	17.49	22300	1.50	BSA 87 D132M4
91	730	15.64	21900	1.70	BSAF 87 D132M4
102	660	14.06	21500	1.90	
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	

输出转速 Output speed n_a [1/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} [1] [N]	使用系数 Service factor f_B	型号 Model	
7.5kW						
50	1260	28.41	6240	0.85	**BS**	**77 D132M4**
57	1110	25.07	6450	0.90	**BSF**	**77 D132M4**
64	990	22.22	6600	1.00	**BSA**	**77 D132M4**
78	850	18.42	1860	0.85	**BSAF**	**77 D132M4**
82	810	17.45	2290	0.90		
94	705	15.28	3250	1.00	**BS**	**77 D132M4**
104	640	13.76	3890	1.10	**BSF**	**77 D132M4**
118	560	12.07	4570	1.30	**BSA**	**77 D132M4**
134	495	10.65	5110	1.45	**BSAF**	**77 D132M4**
151	440	9.44	5540	1.65		
177	380	8.06	5560	1.80		
9.2kW						
18	3810	78.26	33600	0.80	**BS**	**97 D132ML4**
22	3210	65.45	34600	0.90	**BSF**	**97 D132ML4**
26	3070	55.79	34800	1.05	**BSA**	**97 D132ML4**
					BSAF	**97 D132ML4**
29	2750	49.87	35300	1.20		
32	2480	44.89	35600	1.35		
35	2260	40.65	35700	1.45		
40	2010	36.05	35000	1.65		
44	1820	32.60	34400	1.75		
55	1510	26.39	30700	1.70	**BS**	**97 D132ML4**
61	1350	23.59	30200	1.90	**BSF**	**97 D132ML4**
68	1220	21.23	29700	2.1	**BSA**	**97 D132ML4**
75	1110	19.23	29200	2.3	**BSAF**	**97 D132ML4**
84	980	17.05	28500	2.6		
93	890	15.42	28000	2.8		
110	755	13.07	27000	3.1		
126	660	11.41	26200	3.3		
41	1910	34.96	25600	0.85	**BS**	**87 D132ML4**
46	1730	31.43	25300	0.95	**BSF**	**87 D132ML4**
53	1500	27.28	24800	1.05	**BSA**	**87 D132ML4**
59	1350	24.43	24400	1.20	**BSAF**	**87 D132ML4**
71	1120	20.27	23700	1.40		
73	1120	19.70	21600	1.10		
82	1000	17.49	21300	1.25		
92	890	15.64	21000	1.40	**BS**	**87 D132ML4**
102	800	14.06	20700	1.55	**BSF**	**87 D132ML4**
118	700	12.21	20200	1.75	**BSA**	**87 D132ML4**
132	625	10.93	19800	2.0	**BSAF**	**87 D132ML4**
159	520	9.07	19100	2.2		
183	455	7.88	18600	2.2		
76	1040	18.97	5760	0.90		
105	780	13.76	1350	0.90	**BS**	**77 D132ML4**
119	685	12.07	2290	1.05	**BSF**	**77 D132ML4**
135	605	10.65	3060	1.20	**BSA**	**77 D132ML4**
152	535	9.44	3690	1.35	**BSAF**	**77 D132ML4**
179	460	8.06	4360	1.50		
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	**BS**	**97 D160M4**
55	1810	26.39	29400	1.45	**BSF**	**97 D160M4**
61	1620	23.59	29000	1.60	**BSA**	**97 D160M4**
68	1460	21.23	28600	1.80	**BSAF**	**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	**BS**	**87 D160M4**
59	1610	24.43	23400	1.00	**BSF**	**87 D160M4**
71	1340	20.27	22800	1.20	**BSA**	**87 D160M4**
					BSAF	**87 D160M4**

输出转速 Output speed n_a [1/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} [1] [N]	使用系数 Service factor f_B	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	**BS**	**87 D160M4**
102	960	14.06	19800	1.30	**BSF**	**87 D160M4**
118	840	12.21	19400	1.50	**BSA**	**87 D160M4**
132	750	10.93	19100	1.65	**BSAF**	**87 D160M4**
159	625	9.07	18600	1.85		
183	545	7.88	18100	1.85		
15.0kW						
33	4000	44.89	31400	0.85	**BS**	**97 D160L4**
36	3630	40.65	31300	0.90	**BSF**	**97 D160L4**
41	3230	36.05	31000	1.00	**BSA**	**97 D160L4**
					BSAF	**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	**BS**	**97 D160L4**
76	1780	19.23	26000	1.45	**BSF**	**97 D160L4**
86	1580	17.05	25700	1.60	**BSA**	**97 D160L4**
95	1430	15.42	25400	1.70	**BSAF**	**97 D160L4**
112	1220	13.07	24800	1.90		
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	**BS**	**87 D160L4**
104	1290	14.06	17900	0.95	**BSF**	**87 D160L4**
120	1120	12.21	17800	1.10	**BSA**	**87 D160L4**
					BSAF	**87 D160L4**
134	1010	10.93	17600	1.25	**BS**	**87 D160L4**
161	840	9.07	17300	1.35	**BSF**	**87 D160L4**
185	730	7.88	17000	1.40	**BSA**	**87 D160L4**
					BSAF	**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	**BS**	**97 D180M4**
76	2190	19.23	24100	1.20	**BSF**	**97 D180M4**
86	1950	17.05	24000	1.30	**BSA**	**97 D180M4**
95	1760	15.42	23900	1.40	**BSAF**	**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		
22kW						
53	3630	27.63	26600	0.85	**BS**	**97 D180L4**
61	3180	24.13	26500	0.90	**BSF**	**97 D180L4**
69	2870	21.23	19800	0.90	**BSA**	**97 D180L4**
76	2600	19.23	21800	1.00	**BSAF**	**97 D180L4**
86	2310	17.05	22300	1.10		
95	2090	15.42	22400	1.20		
112	1780	13.07	22300	1.30	**BS**	**97 D180L4**
128	1560	11.41	22100	1.40	**BSF**	**97 D180L4**
153	1300	9.55	21700	1.55	**BSA**	**97 D180L4**
177	1130	8.26	21300	1.55	**BSAF**	**97 D180L4**

8.5 外形尺寸表
8.5 Features size table

BS37..



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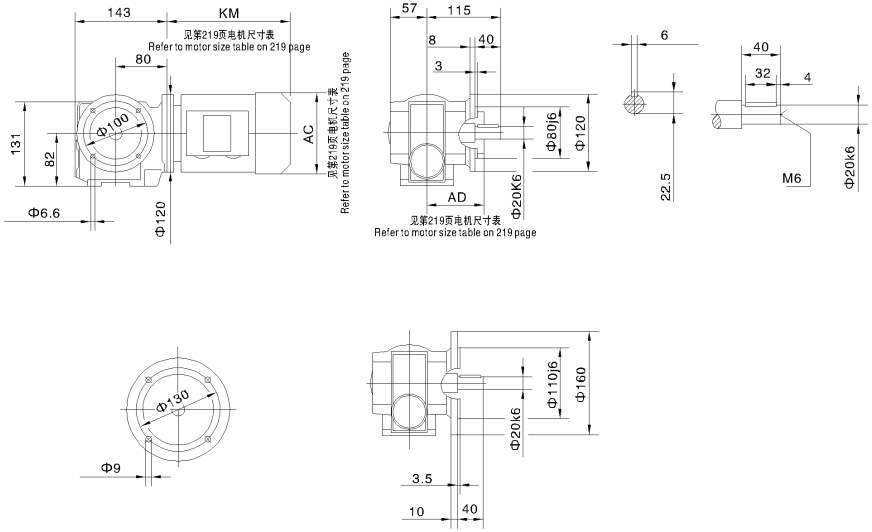

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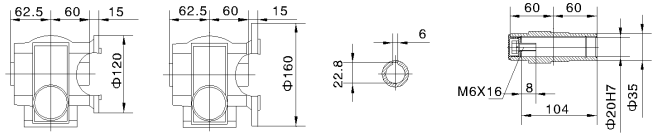

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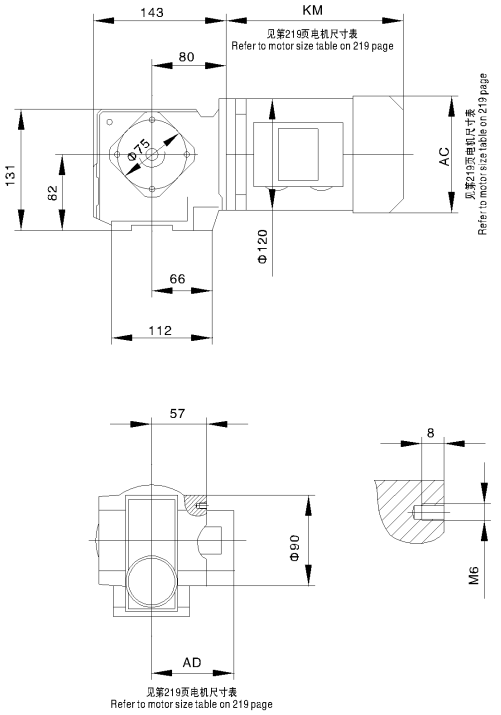
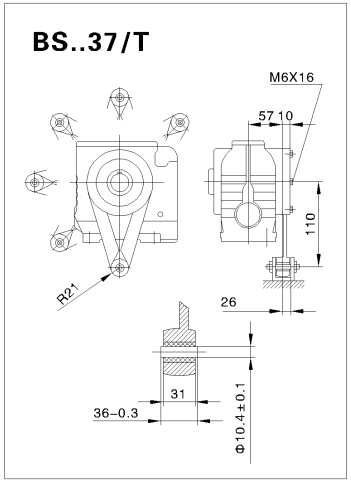
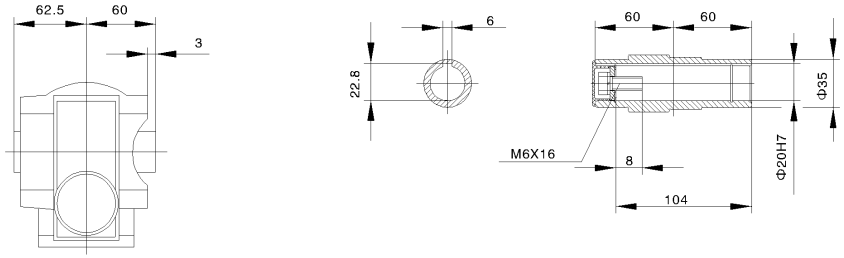
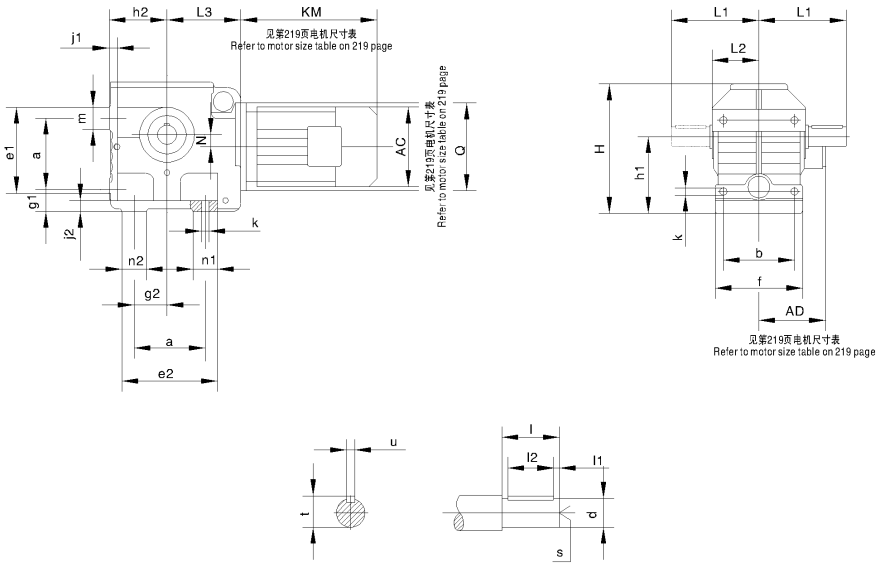




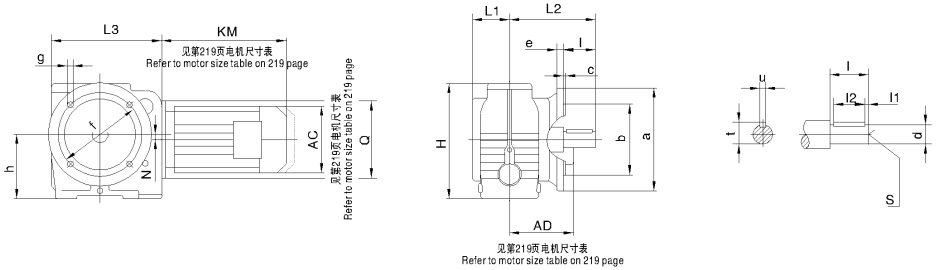


BS47..~BS97..

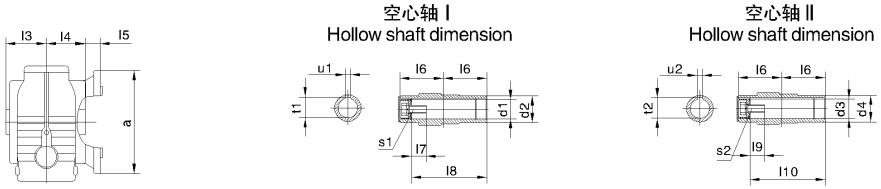


型号 Model	a b	e1 e2 f	g1 g2	h1 h2	j1 j2 k	m n1 n2	轴伸尺寸 Shaft dimension d l	 l1 l2	 s	 t u	L1 L2 L3	H	N Q
BS47..	80 100	105 112 120	35 35	100-0.5 75 -0.5	12 15 11	25 30 30	25k6 50	5 40	M10	28 8	115 60 96	165	8 120
BS57..	100 110	130 130 136	35 45	112-0.5 80 -0.5	12 15 11	30 30 30	30k6 60	3.5 50	M10	33 8	134 71 107	189	20 120
BS67..	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
BS77..	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
BS87..	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
BS97..	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

BSF47..~BSF97..

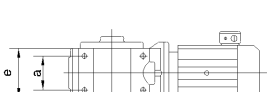


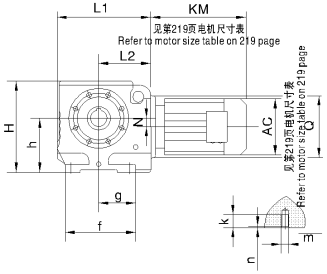
BSAF47..~BSAF97..

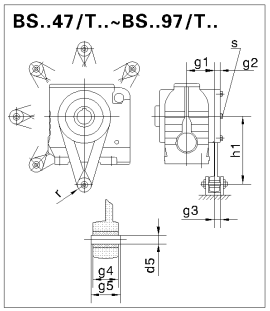


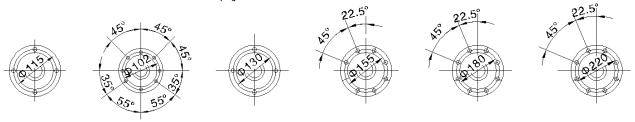
型号 Model	法兰型式 flange form	a b	c e	f g h	轴伸尺寸 Shaft dimension d l	 l1 l2	 s t u	空心轴 I 尺寸 Hollow shaft dimension d1 d2	 l3 l4 l5	 l6 l7 l8	 s t u	空心轴 II 尺寸 Hollow shaft dimension d3 d4	 l9 l10	 s2 t2 u2	H	L1 L2 L3	N Q
BSF47.. BSAF47..	Flg.1	160 110j6	3.5 10	130 9 100	25k6 50	5 40	M10 28 8	30H7 45	63 60 24	60 17 105	M10X25 33.3 8	25H7 45	17 105	M10X25 28.3 8	179	57.5 133.5 171	8 120
BSF57.. BSAF57..	Flg.1	200 130j6	3.5 12	165 11 112	30k6 60	3.5 50	M10 33 8	35H7 50	78 75 25	75 22 132	M12X30 38.3 10	30H7 50	17 132	M10X25 33.3 8	189	72 160 187	20 120
BSF67.. BSAF67..	Flg.1	200 130j6	3.5 12	165 11 140	35k6 70	7 56	M12 38 10	45H7 65	87 84 42.5	84 29 144	M16X40 48.8 14	40H7 65	29 144	M16X40 43.3 12	236	80.5 190 242	22 160
BSF77.. BSAF77..	Flg.1	250 180j6	4 15	215 13.5 180	45k6 90	5 80	M16 48.5 14	60H7 80	108 105 45.5	105 37 180	M20X50 64.4 18	50H7 80	32 183	M16X45 53.8 14	301	121 232 287	34 200
BSF87.. BSAF87..	Flg.1	350 250h6	5 18	300 17.5 225	60m6 120	5 110	M20 64 18	70H7 95	128 125 52.5	125 34 220	M20X50 74.9 20	60H7 95	36 220	M20X50 64.4 18	368	145 290 340	37.5 250
BSF97.. BSAF97..	Flg.2	450 350h6	5 22	400 17.5 280	70m6 140	7.5 125	M20 74.5 20	90H7 120	149 145 60	145 41 255	M24X60 95.4 25	70H7 120	34 260	M20X50 74.9 20	455	165 340 420	52 300

BSA47..~BSA97..





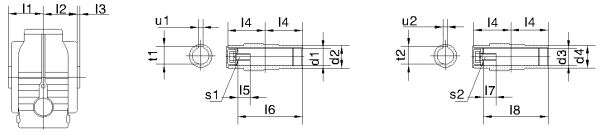




BSA47.. BSA57.. BSA67.. BSA77.. BSA87.. BSA97..

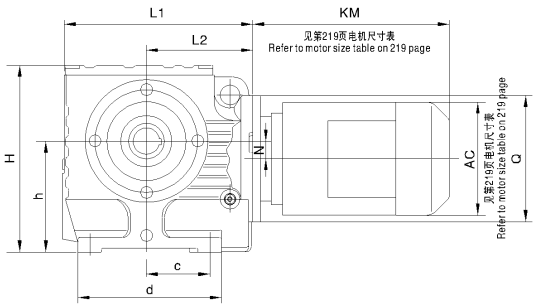
空心轴 I
Hollow shaft dimension

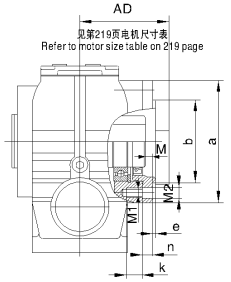
空心轴 II
Hollow shaft dimension



型号 Model	a b c	e f g	h	k m h	p q	空心轴 I 尺寸 Hollow shaft dimension d1 d2	l1 l2 l3	l4 l5 l6	s1 t1 u1	空心轴 II 尺寸 Hollow shaft dimension d3 d4	l7 l8	s2 t2 u2	扭矩臂尺寸 Torque arm form g1 g2 g3	g4 g5 h1	d5 r s3	H L1 L2	N Q
BSA47.. BS..47/T..	60 35 52	94 127 67	100	20 M10 4	12 M8	30H7 45	63 60 2.5	60 17 105	M10X25 33.3 8	25H7 45	17 105	M10X25 28.3 8	57.5 15 20.5	31 36-0.3 130	10.4±0.1 21 M8X25	179 171 96	8 120
BSA57.. BS..57/T..	60 58.5 58.5	100 146 73	112	20 M10 4	12 M8	35H7 50	78 75 3	75 22 132	M12X30 38.3 10	30H7 50	17 132	M10X25 33.3 8	72 15 18.5	31 36-0.3 160	10.4±0.1 21 M8X25	189 187 107	20 120
BSA67.. BS..67/T..	88 71.5 80.5	128 182 95.5	140	25 M12 5	20 M12	45H7 65	87 84 3.5	84 29 144	M16X40 48.8 14	40H7 65	29 144	M16X40 43.3 12	80.5 18 19.5	31 36-0.3 200	10.4±0.1 21 M12X35	236 242 135	22 160
BSA77.. BS..77/T..	102 85 85	154 204 104	180	32 M16 6	20 M12	60H7 80	108 105 4	105 37 180	M20X50 64.4 18	50H7 80	32 183	M16X45 53.8 14	101 18 32.5	54 60-0.3 250	16.4±0.08 30 M12X35	301 287 162	34 200
BSA87.. BS..87/T..	118 115 110	194 260 125	225	32 M16 6	26 M16	70H7 95	128 125 5	125 34 220	M20X50 74.9 20	60H7 95	36 220	M20X50 64.4 18	120 24 25.5	54 60-0.5 310	16.4±0.08 30 M16X45	368 340 190	37.5 250
BSA97.. BS..97/T..	160 135 113	236 301 140	280	36 M20 6	26 M16	90H7 120	149 145 5	145 41 255	M24X60 95.4 25	70H7 120	34 260	M20X50 74.9 20	140 26 33	72 80-0.5 380	25±0.08 40 M16X50	455 420 240	52 300

BSAZ47..~BSAZ97..





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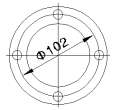

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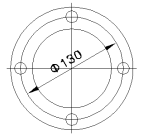
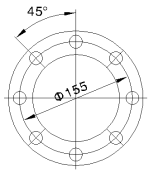


BSAZ67..



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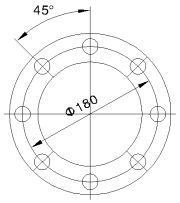
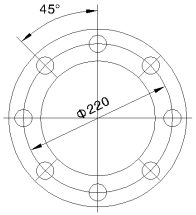


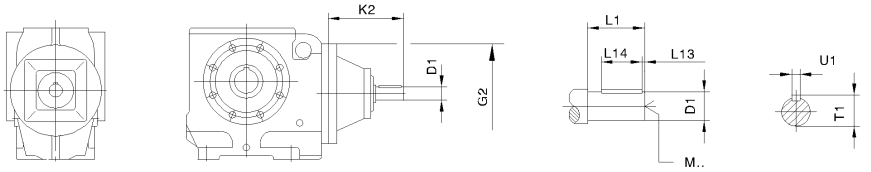
BSAZ87..



BSAZ97..

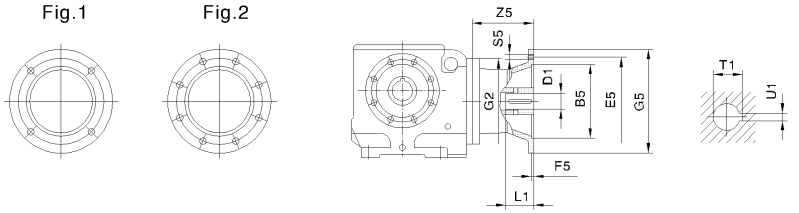
型号 Model	a	b	c	d	e	h	H	k	L1	L2	M	M1	M2	N	n	Q
BSAZ47..	130	95j6	67	127	3	100	179	12	171	96	8.5	M8	9	8	11	120
BSAZ57..	120	80j6	73	146	3	112	189	12	187	107	8	M8	9	20	11	120
BSAZ67..	155	105j6	95.5	182	3.5	140	236	20	242	135	9.5	M12	13.5	22	13	160
BSAZ77..	180	125j6	104	204	4	180	301	18.5	287	162	14.5	M12	13.5	34	18.5	200
BSAZ87..	215	150j6	125	260	5	225	368	23.5	340	190	18.5	M16	17.5	37.5	23.5	250
BSAZ97..	260	180j6	140	301	5	280	455	23.5	420	240	18.5	M16	17.5	52	23.5	300

BS..AD..



减速箱规格 Gear unit type	联接盘规格 Motor adcopator	G2	K2	D1	L1	L13	L14	T1	U1	M
BS..37 BS..47,S..57	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
BS..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
BS..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
BS..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
BS..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

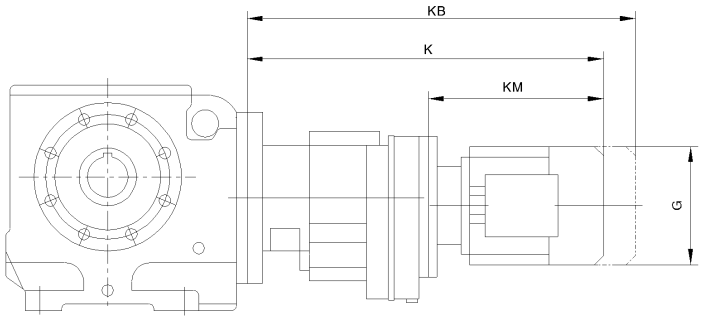
BS..AM..



减速箱规格 Gear unit type	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BS..37 BS..47S..57	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
BS..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)]												
BS..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)]												
BS..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 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
BS..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
	AM200[1)]		300	350	7		400		268	55		59.3	16
	AM225[1)]	2	350	400			450		283	60	140	64.4	18

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

BS..R..



减速箱规格 Gear unit type	电机规格 Motor type	G	K	KB	KM
BS..37R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BS..47R17 BS..57R37	D63..	155	400	425	193
	D71D	155	401	433	194
	D80..	155	451	483	244
BS..67R37	D63..	155	410	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
	D90..	155	451	536	286
BS..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
BS..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	155	495	559	279
	D90..	210	495	580	279
	D100M	210	545	630	329
	D100L	210	565	650	349
BS..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：上表中点击尺寸为参考尺寸，因空间限制对电机尺寸有严格要求时请向我公司咨询。
Ntoes: The dimension of motor in the above table is only refence. If you have special require require. 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使用所供应的润滑剂。它的作用是防止接触腐蚀和便于拆卸。
Always use the supplied NOCO Fluid paste during the assembly procedure. It avoids contact corrosion and easy for disassembly.
・键的尺寸X是有用户确定，但X必须>DK。
The key dimension X is defined by the customer, however X must 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):

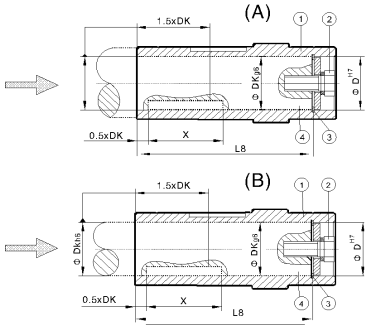
1. 用提供的固定件进行装配
Install with supplied fastening elements
2. 用可选件装卸工具进行装配
Install using the optional installation /removal kit

9.1.1 提供的固定件
9.1.1 Supplied 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
Rataining screw with washer①

・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)
Installtion length of customer shaft with contact shoulde(B)must equal to L8
紧固螺栓要拧紧到MS所示拧紧力矩值
The retaining screw② must be tightened to the tightening 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(带轴肩的用户轴)
Fig: Customer shaft with contact shoulder(A)and with contact shoulder(B)

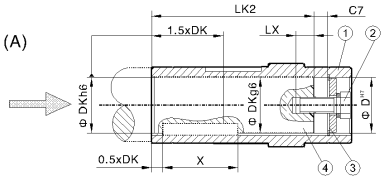
减速器型号 Gear unit type	D"'[mm]	DK[mm]	L8[mm]	MS[Nm]
BSA..37	20	20	84, 106, 104	8
BSA..47	25	25	105	20
BFA..37, BKA..37,BSA..47, BSA..57	30	30	105 132	20
BFA..47, BKA..47, BSA..57	35	35	132	20
BFA..57, BKA..57 BFA..67, BKA..67, BSA..67	40	40	142, 156, 144	40
BSA..67	45	45	144	40
BFA..77, BKA..77, BSA..77	50	50	183	40
BFA..87, BKA..87, BSA..77, BSA..87	60	60	210 180, 220	80
BFA..97, BKA..97, BSA..87, BSA..97	70	70	270 220, 260	80
BFA..107, BKA..107, BSA..97	90	90	313, 313, 255	200
BFA..127, BKA..127,	100	100	373	200
BFA..157, BKA..157,	120	120	460	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有的轴套
- 装配用的紧固螺栓
- 拆卸用的压盘
- 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 installation②
–Removal washer for installation⑦
–Fixed nut for removal⑧

(A)

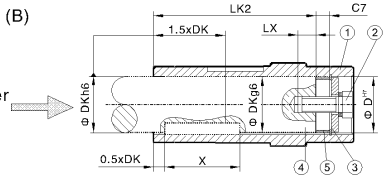


带轴肩的用户轴
安装长度LK2【→图A】不使用轴套
The installation length of the customer shaft must be LK2.
The distance piece must not be used if the customer shaft does have a contact shouder(A).

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

(B)



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 shouder(B).

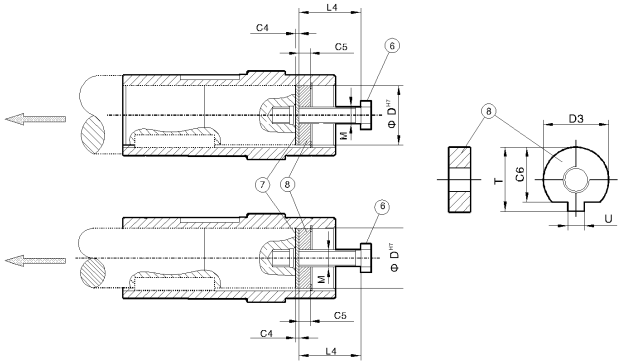
图：带轴肩附用户轴（A）和不带轴肩附用户轴（B）
Fig：Customer shaft with contact shoulder（A）and without contact shoulder（B）

减速器型号 Gear unit type	D^{H7}[mm]	DK[mm]	LK2[mm]	LX^{-2}[Nm]	C7[Nm]	MS[Nm]
BSA..37	20	20	92	16	12	8
BSA..47	25	25	89	22	16	20
BFA..37,BKA..37,BSA..47 BSA..57	30	30	89 89,116	22	16	20
BFA..47,BKA..47,BSA..57	35	35	114	28	18	20
BFA..57,BKA..57 BFA..67,BKA..57,BSA..67	40	40	138,138 126,124	36	18	40
BSA..67	45	45	126	36	18	40
BFA..77,BKA..77,BSA..77	50	50	165	36	18	40
BFA..87,BKA..87 BSA..77,BSA..87	60	60	158,198 188	42	22	80
BFA..97,BKA..97 BSA..87,BSA..97	70	70	198, 238 248	42	22	80
BFA..107,BKA..107,BSA..97	90	90	287 229	50	26	200
BFA..127,BKA..127	100	100	347	50	26	200
BFA..157,BKA..157	120	120	434	50	26	200

拆卸
Removal

用拆装工具进行装配，须按以下步骤进行拆卸
1. 拆下紧固螺栓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 Circlip ③ and if used, the distance piece ⑤
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 cirlip 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

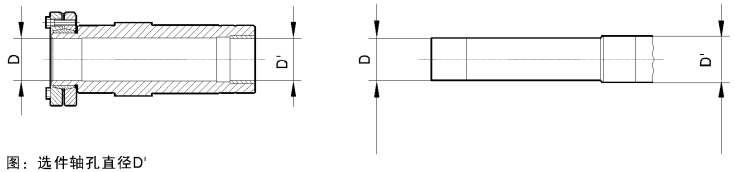
图：空心轴拆卸示意图
Fig.Removal

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/removal kit part number
BSA..37	20	M6	5	6	15.5	5.5	22.5	19.7	25
BSA..47	25	M10	5	10	20	7.5	28	24.7	35
BFA..37,BKA..37,BSA..57	30	M10	5	10	25	7.5	33	29.7	35
BFA..47,BSA..57	35	M12	5	12	29	9.5	38	34.7	45
BFA..57,BKA..57,BFA..67,BKA..67,BSA..67	40	M16	5	12	34	11.5	41.9	39.7	50
BSA..67	45	M16	5	12	38.5	13.5	48.5	44.7	50
BFA..77,BKA..77,BSA..77	50	M16	5	12	43.5	13.5	53.5	49.7	50
BFA..87,BKA..87,BSA..77,BSA..87	60	M20	5	16	56	17.5	64	59.7	60
BFA..97,BKA..97,BSA..97	70	M20	5	16	65.5	19.5	74.5	69.7	60
BFA..107,BKA..107,BSA..97	90	M24	5	20	80	24.5	95	89.7	70
BFA..127,BKA..127	100	M24	5	20	89	27.5	106	99.7	70
BFA..157,BKA..157	120	M24	5	20	107	31	127	119.7	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(BFH/FHF/FHZ37–157 平行轴减速机BKH/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 unit with a hollow shaft and shrink disk (parallel shaft helical gear units BFH/FHF/FHZ37–157, helical–bevel gear units BKH/KHF/KHZ37–157 and helicalworm gear units BSH/SHF47–97) can be supplied with an optional larger hole diameter D', The standard is D'=D.



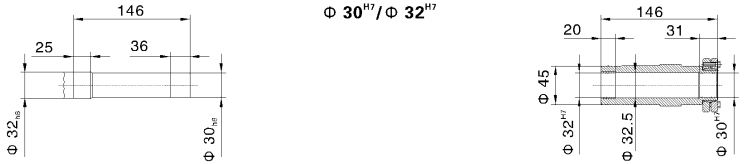
图：选件轴孔直径D'
Fig：Optional hole diameter D'

减速器型号 Gear unit size	孔径 Hole diameter D/D'
BFH/FHF/FHZ37,BKH/KHF/KHZ37,BSH/SHF/SHZ47	30/32
BFH/FHF/FHZ47,BKH/KHF/KHZ47,BSH/SHF/SHZ57	35/36
BFH/FHF/FHZ57,BKH/KHF/KHZ57	40/42
BFH/FHF/FHZ67,BKH/KHF/KHZ67,BSH/SHF/SHZ67	40/42
BFH/FHF/FHZ77,BKH/KHF/KHZ77,BSH/SHF/SHZ77	50/52
BFH/FHF/FHZ87,BKH/KHF/KHZ87,BSH/SHF/SHZ87	65/66
BFH/FHF/FHZ97,BKH/KHF/KHZ97,BSH/SHF/SHZ97	75/76
BFH/FHF/FHZ107,BKH/KHF/KHZ107	95/96
BFH/FHF/FHZ127,BKH/KHF/KHZ127	105/106
BFH/FHF/FHZ157,BKH/KHF/KHZ157	125/126

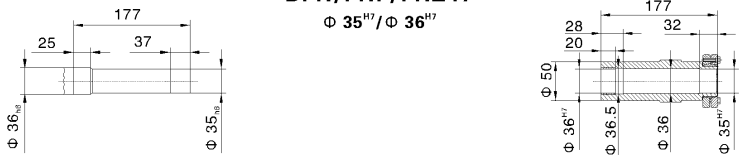
定购带轴阶的空心轴减速机(可选轴孔直径D')必须注明D/D'尺寸。
例如：BFH37 D80N4 30/32
Diameter D/D' must be specified when ordering gear units with a shouldered hollow shaft (optional bole diameter D').

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

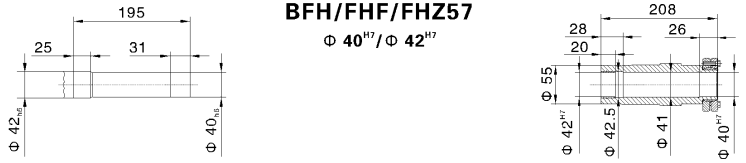
BFH/FHF/FHZ37
Φ 30^{H7}/Φ 32^{H7}



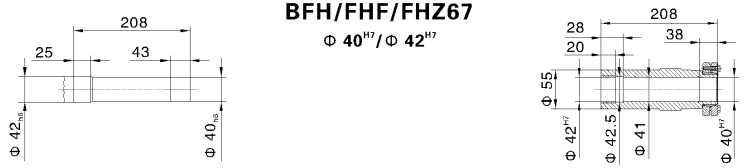
BFH/FHF/FHZ47
Φ 35^{H7}/Φ 36^{H7}



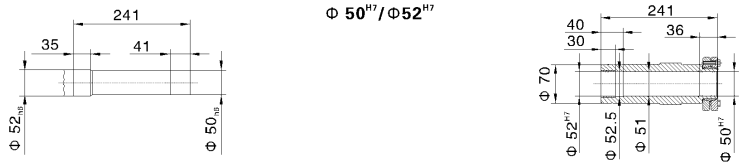
BFH/FHF/FHZ57
Φ 40^{H7}/Φ 42^{H7}



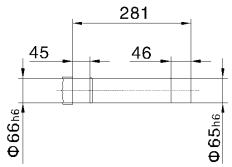
BFH/FHF/FHZ67
Φ 40^{H7}/Φ 42^{H7}



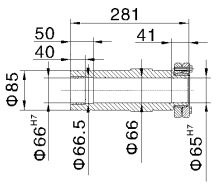
BFH/FHF/FHZ77
Φ 50^{H7}/Φ52^{H7}

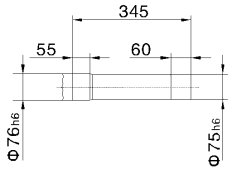


带轴阶空心轴和锁紧盘的平行轴减速电机
Parallel shaft helical gear unit with shouldered hollow shaft

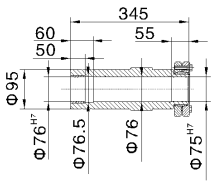


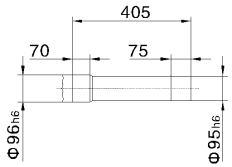
BFH/FHF/FHZ87
Φ65^{H7}/Φ66^{H7}



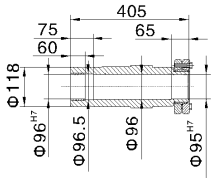


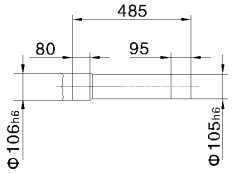
BFH/FHF/FHZ97
Φ75^{H7}/Φ76^{H7}



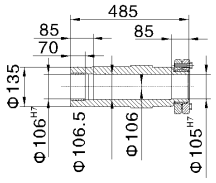


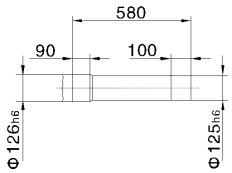
BFH/FHF/FHZ107
Φ95^{H7}/Φ96^{H7}



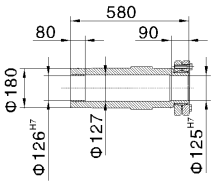


BFH/FHF/FHZ127
Φ105^{H7}/Φ106^{H7}

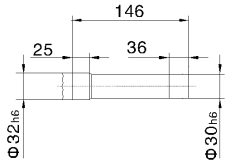




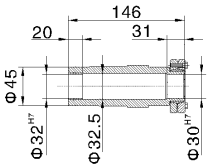
BFH/FHF/FHZ157
Φ125^{H7}/Φ126^{H7}

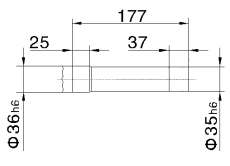


带轴阶空心轴和锁紧盘的斜齿轮–锥齿轮减速电机
Helical–bevel gear unit with shouldered hollow shaft

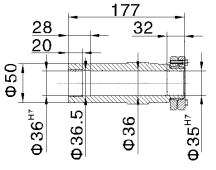


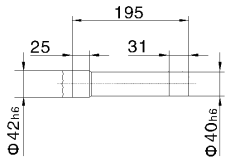
BKH/KHF/KHZ37
Φ30^{H7}/Φ32^{H7}



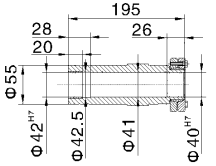


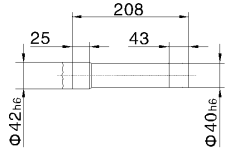
BKH/KHF/KHZ47
Φ35^{H7}/Φ36^{H7}



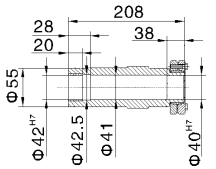


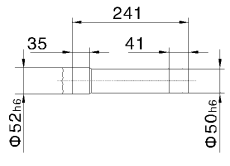
BKH/KHF/KHZ57
Φ40^{H7}/Φ42^{H7}



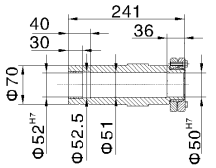


BKH/KHF/KHZ67
Φ40^{H7}/Φ42^{H7}



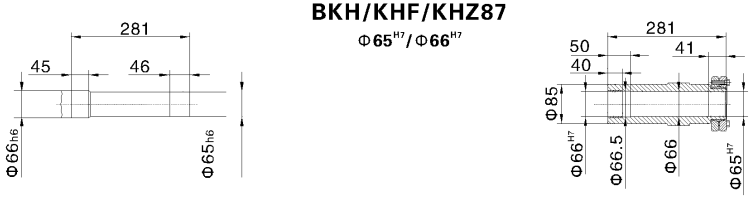


BKH/KHF/KHZ77
Φ50^{H7}/Φ52^{H7}

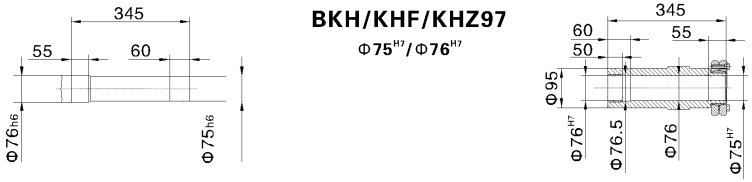


带轴阶空心轴和锁紧盘的斜齿轮–锥齿轮减速电机
Helical–bevel gear unit with shouldered hollow shaft

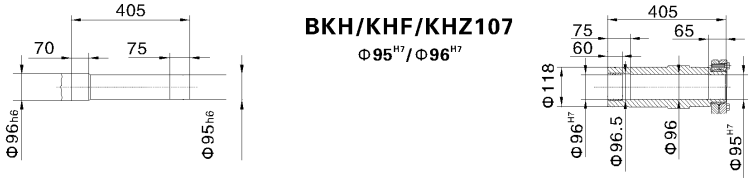
BKH/KHF/KHZ87
Φ65^{H7}/Φ66^{H7}



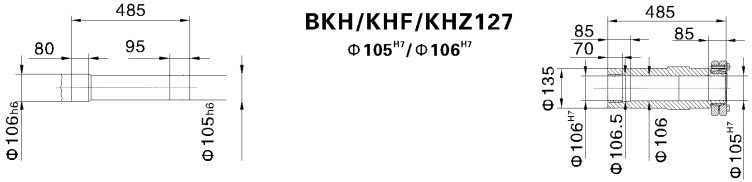
BKH/KHF/KHZ97
Φ75^{H7}/Φ76^{H7}



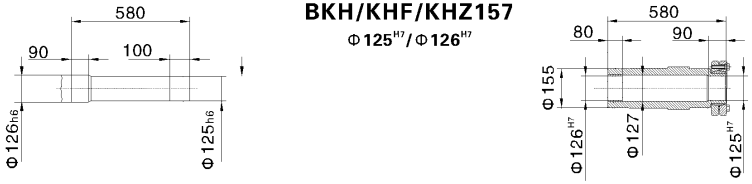
BKH/KHF/KHZ107
Φ95^{H7}/Φ96^{H7}



BKH/KHF/KHZ127
Φ105^{H7}/Φ106^{H7}

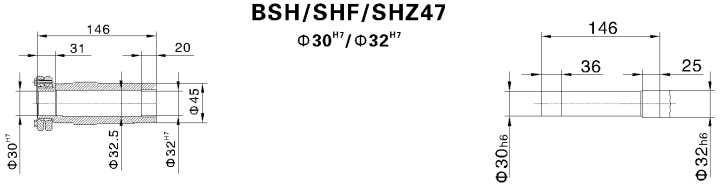


BKH/KHF/KHZ157
Φ125^{H7}/Φ126^{H7}

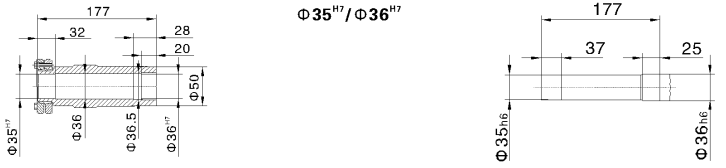


带轴阶空心轴和锁紧盘的斜齿轮–蜗杆减速电机
Helical–worm gear unit with shouldered hollow shaft

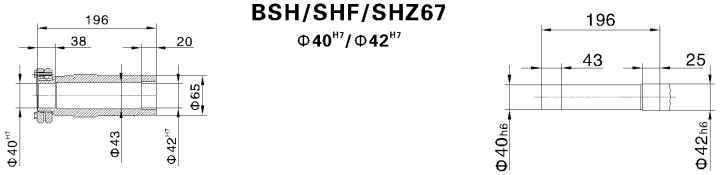
BSH/SHF/SHZ47
Φ30^{H7}/Φ32^{H7}



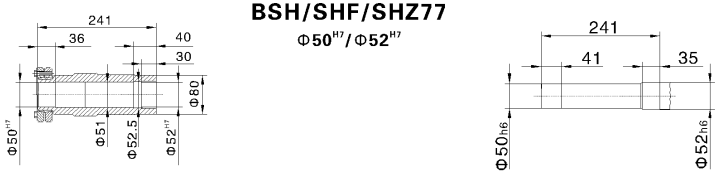
BSH/SHF/SHZ57
Φ35^{H7}/Φ36^{H7}



BSH/SHF/SHZ67
Φ40^{H7}/Φ42^{H7}



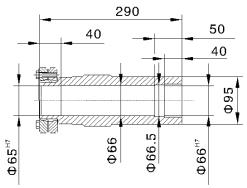
BSH/SHF/SHZ77
Φ50^{H7}/Φ52^{H7}

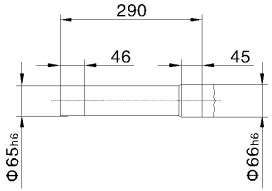


带轴阶空心轴和锁紧盘的斜齿轮–蜗杆减速电机
Helical–worm gear unit with shouldered hollow shaft

BSH/SHF/SHZ87

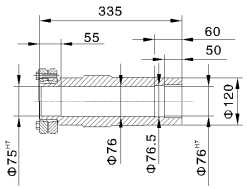
$\Phi 65^{H7}/\Phi 66^{H7}$

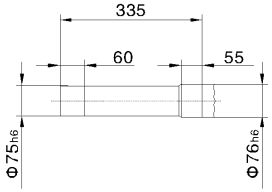




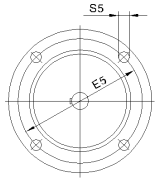
BSH/SHF/SHZ97

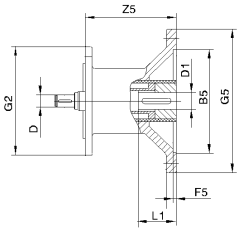
$\Phi 75^{H7}/\Phi 76^{H7}$





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
BR..27,BR..37 BF..37,BF..47 BK..37 BS..37,BS..47 BS..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
BR..47,BR..57 BR..67 BF..57,BF..67 BK..47,BK..57 BK..67 BS..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										
BR..77 BF..77 BK..77 BS..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]	230	22	265			300		179	38	80	41.3	10
	AM132M[1]												
	AM132ML[1]		28										
BR..87 BF..87 BK..87 BS..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	230	22	265			300		174	38	80	41.3	10
	AM132M												
	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

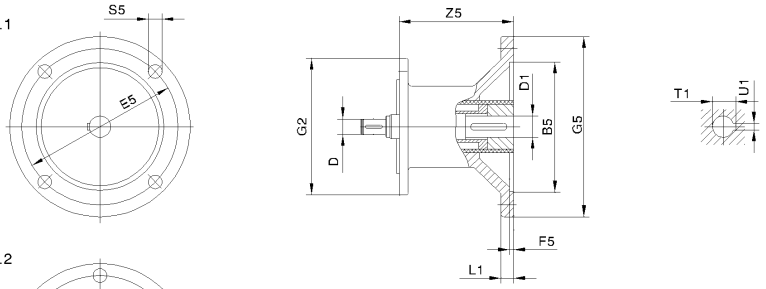
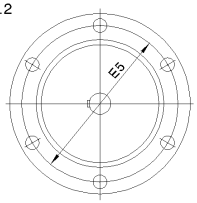


Fig.2



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
BR..97 BF..97 BK..97 BS..97	AM100	1	180	16	215	5	300	250	M12	116	28	60	31.3	8
	AM112			18										
	AM132S		230	22	265			300		169	38	80	41.3	10
	AM132M													
	AM132ML			28										
	AM160		250	28	300	6		350	M16	227	42	110	45.3	12
	AM180			32							48		51.8	14
	AM200		300	38	350	7		400		268	55		59.3	16
	AM225[1)]	2	350	38	400			450		283	60	140	64.4	18
BR..107 BF..107 BK..107	AM100	1	180	16	215	5	350	250	M12	110	28	60	31.3	8
	AM112			18										
	AM132S		230	22	265			300		163	38	80	41.3	10
	AM132M													
	AM132ML			28										
	AM160		250	28	300	6		350	M16	221	42	110	45.3	12
	AM180			32							48		51.8	14
	AM200		300	38	350	7		400		262	55		59.3	16
	AM225	2	350	38	400			450		277	60	140	64.4	18
BR..137	AM132S	1	230	22	265	5	400	300	M12	156	38	80	41.3	10
	AM132M													
	AM132ML			28										
	AM160		250	28	300	6		350	M16	214	42	110	45.3	12
	AM180			32							48		51.8	14
	AM200		300	38	350	7		400		255	55		59.3	16
	AM225	2	350	38	400			450		270	60	140	64.4	18

1) 如果安装在BR、BK和BS系列地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 1/2 G5 may protrude past foot mounting surface if mounted on BR、BK or BS foot-mounted gear unit, Please check.

Fig.1

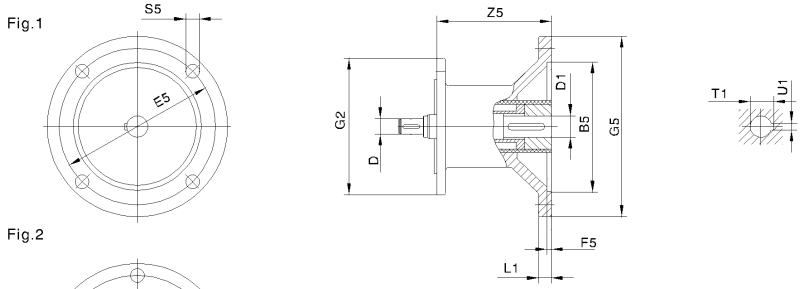
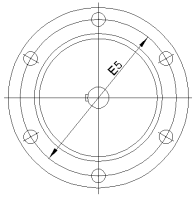


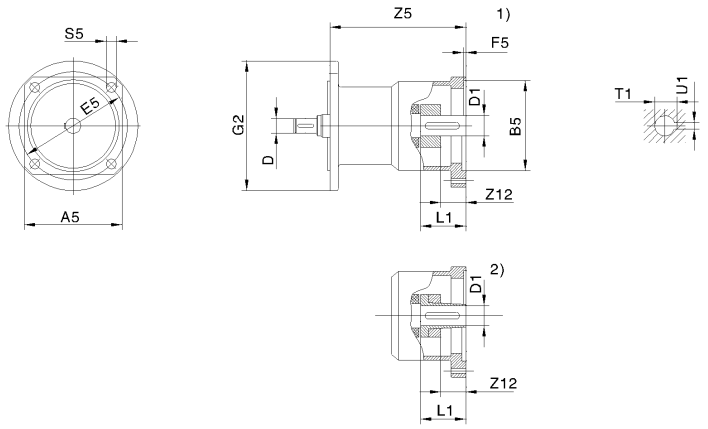
Fig.2



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
BR..147 BF..127 BK..127	AM132S	1	230	22	265	5	450	300	M12	148	38	80	41.3	10
	AM132M													
	AM132ML			28										
	AM160		250	28	300	6		350	M16	206	42	110	45.3	12
	AM180			32							48		51.8	14
	AM200		300	38	350	7		400		247	55		59.3	16
	AM225	2	350	38	400			450		262	60	140	64.4	18
	AM250		450	48	500			550		336	65		69.4	
	AM280										75		79.9	20
BR..167 BF..157 BK..157 BK..167 BK..187	AM160	1	250	28	300	6	550	350	M16	198	42	110	45.3	12
	AM180			32							48		51.8	14
	AM200		300	38	350	7		400		239	55		59.3	16
	AM225	2	350	38	400			450		254	60	140	64.4	18
	AM250		450	48	500			550		328	65		69.4	
	AM280										75		79.9	20

1) 如果安装在BR、BK和BS系列地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 1/2 G5 may protrude past foot mounting surface if mounted on BR、BK or BS foot-mounted gear unit, Please check.

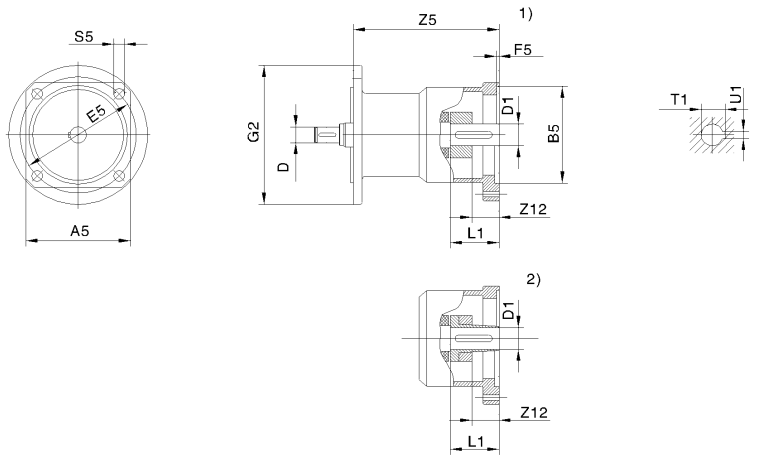
9.4 用于安装伺服电机的联轴器
9.4 Adapter for mounting of servomotors



减速箱规格 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]
BR..27 BR..37 BF..37 BF..47 BK..37 BS..37 BS..47 BS..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
BR..47 BR..57 BR..67 BF..57 BF..67 BK..47 BK..57 BK..67 BS..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..）

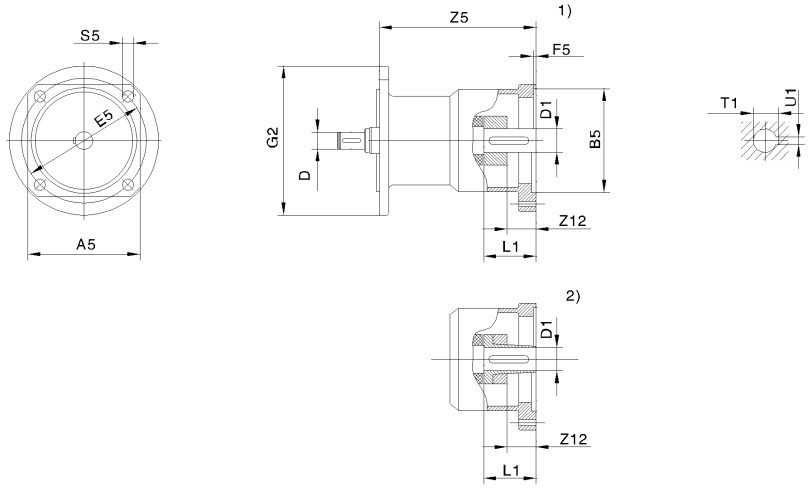
1) Applies to type with key way (AQA..)
2) Applies to type with clamping ring hub (AQH..)



减速箱规格 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]
BR..77 BF..77 BK..77 BS..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												
	AQ..115/3									21	16	24	50	27.3	8
	AQ..140/1	140	110	16 18 22	165	5		M10	167	21	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								180	24	22	32	60	35.3	10
	AQ..190/1	190	130	22 28	215			M12	225.5	26	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								249.5	39	34	38	80	41.3	10
BR..87 BF..87 BK..87 BS..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												
	AQ..115/3									21	16	24	50	27.3	8
	AQ..140/1	140	110	16 18 22	165	5		M10	162	21	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								175	24	22	32	60	35.3	10
	AQ..190/1	190	130	22 28	215			M12	220.5	26	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								244.5	39	34	38	80	41.3	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..)

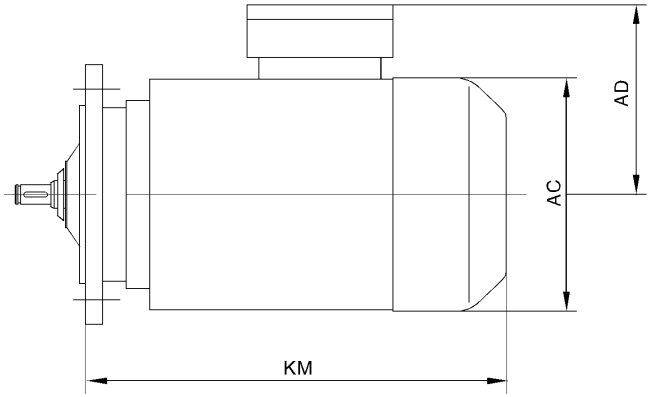


减速箱规格 Gear unit type	联轴器规格 Coupling type	A5	B5	D	E5	F5	G2	S5	Z5	Z12[1]	Z12[2]	D1	L1	T1[1]	U1[1]
BR..97 BF..97 BK..97 BS..97	AQ..140/1	140	110	16 18 22	165	5	300	M10	157	21	16	24	50	27.3	8
	AQ..140/2		130												
	AQ..140/3								170	24	22	32	60	35.3	10
	AQ..190/1	190	130	22 28	215			M12	215.5	26	24	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								239.5	39	34	38	80	41.3	
BR..107 BF..107 BK..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	
BR..137	AQ..190/1	190	130	22 28	215		400	M12	202.5	–	25	32	60	35.3	10
	AQ..190/2		180												
	AQ..190/3								226.5	39	34	38	80	41.3	
BR..147 BF..127 BK..127	AQ..190/1		130	22 28			450		194.5	26	24	32	60	35.3	
	AQ..190/2		180												
	AQ..190/3								218.5	39	34	38	80	41.3	

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..）

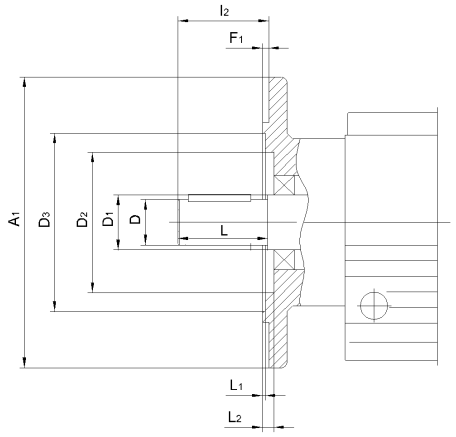
9.5 电机尺寸图
9.5 The size of motor



型号 Model	D63M	D71M	D80M	D90S D90L	D100L	D112M	D132S D132L	D160M D160L	D180M D180L	D200L	D225S D225M	D250M	D280S D280M	D315S D315M
AC	145	160	185	200	220	240	270	317	354	398	449	499	550	620
AD	111	115	123	132	141	158	173	273	299	332	358	400	446	527
KM	239	247	255	296 321	362	374	418 456	500 544	556 594	659	682 707	790	900 948	1076 1126

注：上表中的电机尺寸为部分铁芯长度电机的参考尺寸，具体尺寸根据铁芯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 BRF..和BR..F减速电机法兰外形图
9.6 Flange contours of BRF.. and BR..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
				BRF	BR..F					BRF	BR..F	
BRF17,BR17F	120	20	25	46	46	65	3	40	40	1	1	5
	140				–	78	3			1	–	5
BRF27,BR27F	120	25	30	54	4	66	3	50	50	1	1	6
	140				–	79	3			3	–	7
	160				–	92	3.5			3	–	7
BRF37,BR37F	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
BRF47,BR47F	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
BRF57,BR57F	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
BRF67,BR67F	200	35	50	90	90	118	3.5	70	70	2	4	7
	250				–	160	4			1	–	7.5
BRF77,BR77F	250	40	52	112	100	160	4	80	80	0.5	2.5	7
	300				–	210	4			0.5	–	7
BRF87,BR87F	300	50	62	123	122	210	4	100	100	0	1.5	8
	350				–	226	5			1	–	9
BRF97	350	60	72	136		236	5	120	120	0		9
	450					320						
BRF107	350	70	82	157		232	5	140	140	0		11
	450			186		316						
BRF137	450	90	108	180		316	5	170	170	0		10
	550					416						
BRF147	450	110	125	210		316	5	210	210	0		10
	550					416						
BRF167	550	120	145	290		416	5	210	210	1		10
	660					517	6			2		11

9.7 减速机安装
9.7 Gear unit mounting

安装减速机和减速电机时一定要使用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（BRF..）和地脚/法兰安装（BR..F..）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。
- BRF37和带Φ120mm法兰的BRF37
- BRF47和带Φ140mm法兰的BRF47
- BRF57和带Φ160mm法兰的BRF57

Bolts of quality 10.9 must be used for 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–mounnted helical geared motors (BRF..) and foot/flange–mounted helical geared motors (BR..F..) :
- BRF37, BRF37F with flange Φ120mm
- BRF47, BRF47F with flange Φ140mm
- BRF57, BRF57F with flange Φ160mm

BKH167..,BKH187..的力矩臂
Torque arms for BKH167..,BKH187..

对于减速电机BKH167..和BKH187..作为标准配置，一般不提供扭矩臂。如果需要，请和我公司联系，我们将给出推荐的安装位置和尺寸图。

As standard, there are no torque arms available for gear unit sizes BKH167.. and BKH187.. Please contact company if you require torque arms for these gear units. We will submit the configuration of recommendations.

9.8 润滑
9.8 Lubricants

概述
Greneral information

除非特别要求，公司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。(按加油量表)。

Unless there is a special requirement, company always supplies the drives that with lubricant fill specifically for the reducer and mounting position. When ordering a drive, 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 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润滑油表，其等级和粘度指标见下表
Commend the lubricant oi. 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	BR、BF、BK系列减速机 BR, BF,BK series gear units
	ISOVG 680	0~+40	BS系列减速机 BS series gear units

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	BR、BF、BK系列减速机 BR, BF,BK series gear units
Synthetic fluid,clp pg	ISOVG 220	−25~+80	BR、BF、BK系列减速机 BR, BF,BK series gear units
Synthetic fluid,CLP HC	ISOVG 460	−30~+80	BS系列减速机 BS series gear units

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 grease used for abrasion resistant bearing lubrication reducer and motor

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

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
BR BF BK	−10	标准	+40	CLP (CC)	VG 220	Mobilgear 630	Shell Omala 220	Klüberoil GEM 1−225	Aral Degol Bg220	BP Energol GR−Xp220	Tribol 1100/220	Meropa 220	Optigear BM220	Renolin CLP 220
	−25		+80	CLP PG	VG 220	Mobil Glygoyle 30	Shell Tivela WB	Klübersynth GH 6−220	Aral Degol Gs220	BP Energol SR−Xp220	Tribol 800/220	Synlube CLP 220	Optiflex A 220	
	*−40		+80	CLP HC	VG 220	Mobil SHC 630	Shell Omala 220 HD	Klübersynth GEM 4−220	Aral Degol PAS220		Tribol 1510/200	Pinnacle EP 220	Optigear Synthetic A 220	Renolin Unisyn CLP 220
	*−40		+40		VG 150	Mobil SHC 629		Klübersynth GEM 4−150						
	−20		+25	CLP (CC)	VG 150 VG 100	Mobilgear 629	Shell Omala 100	Klüberoil GEM 1−150	Aral Degol Bg100	BP Energol GR−Xp100	Tribol 1000/100	Meropa 150	Optigear BM220	Renolin CLP 150
	−30		+10		VG 68−46 VG 32	Mobil D.T.E 15M	Shell Tellus T32	Klüberoil GEM 1−68	Aral Degol Bg46		Tribol 1100/68	Anubia EP 46	Optigear 32	Renolin B 46 HVI
	*−40		+10	CLP HC	VG 32	Mobil SHC 624		Klübersynth GEM 4−32				Cetus PAO 46		
	*−40		−20	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			
BR BK BF BS	0	标准	+40	CLP (CC)	VG 680	Mobilgear 636	Shell Omala 680	Klüberoil GEM 1−680	Aral Degol Bg680	BP Energol GR−Xp680	Tribol 1100/680	Meropa 680	Optigear BM 680	Renolin CLP 680
	−20		+60	CLP PG	VG 680 1)	Mobil Glygoyle HE680		Klübersynth GH6−680		BP Enersyn SG−Xp680	Tribol 800/680	Synlube CLP 680		
	*−30		+80	CLP PHC	VG 460	Mobil SHC 634	Shell Omala 460 HD	Klübersynth GEM 4−460						
	*−40		+10	CLP HC	VG 150	Mobil SHC 629		Klübersynth GEM 4−150						
	−20		+10	CLP (CC)	VG 150 VG 100	Mobil D.T.E 18M	Shell Omala 100	Klüberoil GEM 1−150	Aral Degol Bg100	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		Klübersynth GH 6−220			Tribol 800/220	Synlube CLP 220	Optiflex A 220	
	*−40		0	CLP HG	VG 32	Mobil SHC 624		Klübersynth GEM 4−32				Cetus PAO 48		
BR BK BF BS	*−30		+40	HGE	VG 460 4)		Shell Cassida Fluid GL 460	Klüberoil 4UH1−460	Aral Eural Bear 460				Optileb GT 460	
								Klüberbio CA2−460						
	−20	标准	+40	E	VG 460 5)		Shell Tivela Compound A	Klübersynth GE 46−1200				Multifak 6833EP 00	Optisynt BS 460	
BF27 BR17 BR27	−25		+60	润滑脂	00 2)	Glygoyle Grease 00								
	−15		+40	DIN 51818	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 SF 7−041

合成润滑油 Synthetic lubricant
矿物润滑油 Mineral lubricant

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

1)用PG油的斜齿轮蜗轮蜗杆减速机请和公司联系
2)低粘度油脂，其它型号减速机请和公司联系
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)

CLP=矿物油
HLP=液压油
CLPPG=聚二醇类
CLP HC=碳氢化合物类
E=二元酯脂合成油
HCE=碳氢化合物十二脂油
CLP:Petrolatam oil
HLP:Hydraulic pressure oil
KBTS/Ga/Vi
*低温时起动要求高

加油量 Lubricant fill quantities

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，最有效是检查油位塞，因为它指示精确注油量。
The specified fill quantities are recommended values. The precise vary depending on the number of stages and gear ratio. When filling, it is essential to check the oil level plug since it indicates the precise oil capacity.

斜齿轮减速器(BR系列) Helical gear units(BR..)

下表按安装位置M1–M16,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	注油量(升) Fill quantity(L)					
	M1[1)]	M2[1)]	M3	M4	M5	M6
BR17/R17F	0.25	0.6	0.35	0.6	0.35	0.35
BR27/R27F	0.25/0.4	0.7	0.4	0.7	0.4	0.4
BR37/R37F	0.3/1	0.9	1	1.1	0.8	1
BR47/R47F	0.7/1.5	1.6	1.5	1.7	1.5	1.5
BR57/R57F	0.8/1.7	1.9	1.7	2.1	1.7	1.7
BR67/R67F	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
BR77/R77F	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
BR87/R87F	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
BR97	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
BR107	6/13.7	16.3	16.9	19.2	13.2	15.9
BR137	10/25	28	29.5	31.5	25	25
BR147	15.4/40	46.5	48	52	39.5	41
BR167	27/70	82	78	88	66	69

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1[1)]	M2[1)]	M3	M4	M5	M6
BRF17	0.25	0.6	0.35	0.6	0.35	0.35
BRF27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
BRF37	0.4/1	0.9	1	1.1	0.8	1
BRF47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
BRF57	0.8/1.7	1.8	1.7	2	1.7	1.7
BRF67	1.1/2.5	2.7/3.6	2.7	3.1	1.9	2.1
BRF77	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
BRF87	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
BRF97	5.1/10.2	11.9/14	11.2	14	11.2	11.8
BRF107	6.3/14.9	15.9	17	19.2	13.1	15.9
BRF137	9.5/25	27	29	32.5	25	25
BRF147	16.4/42	47	48	52	42	42
BRF167	26/70	82	78	88	65	71

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

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BRX57	0.6	0.8	1.3	1.3	0.9	0.9
BRX67	0.8	0.8	1.7	1.9	1.1	1.1
BRX77	1.1	1.5	2.6	2.7	1.6	1.6
BRX87	1.7	2.5	4.8	4.8	2.9	2.9
BRX97	2.1	3.4	7.4	7	4.8	4.8
BRX107	3.9	5.6	11.6	11.9	7.7	7.7

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BRX57	0.5	0.8	1.1	1.1	0.7	0.7
BRX67	0.7	0.8	1.5	1.7	1	1
BRX77	0.9	1.5	2.4	2.5	1.6	1.6
BRX87	1.6	2.5	4.9	4.7	2.9	2.9
BRX97	2.1	3.6	7.1	7	4.8	4.8
BRX107	3.1	5.9	11.2	10.5	7.2	7.2

平行轴斜齿轮减速器(BF系列) Parallel shaft helical gear units.(BF..)

BF..,BFA..B,BFH..B,BFV..B

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BF37	1	1.2	0.7	1.2	1	1.1
BF47	1.5	1.8	1.1	1.9	1.5	1.7
BF57	2.6	3.7	2.1	3.5	2.8	2.9
BF67	2.7	3.8	1.9	3.8	2.9	3.2
BF77	5	7.3	4.3	8	6	6.3
BF87	10	13.0	7.7	13.8	10.8	11
BF97	18.5	22.5	12.6	25.2	18.5	20
BF107	24.5	32	19.5	37.5	27	27
BF127	40.5	55	34	61	46.5	47
BF157	69	104	63	105	86	78

BFF..

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BFF37	1	1.2	0.7	1.3	1	1.1
BFF47	1.6	1.9	1.1	1.9	1.5	1.7
BFF57	2.8	3.8	2.1	3.7	2.9	3
BFF67	2.7	3.8	1.9	3.8	2.9	3.2
BFF77	5.1	7.3	4.3	8.1	6	6.3
BFF87	10.3	13.2	7.8	14.1	11	11.2
BFF97	19	22.5	12.6	25.5	18.9	20.5
BFF107	25.5	32	19.5	38.5	27.5	28
BFF127	41.5	56	34	63	46.5	49
BFF157	72	105	64	106	87	79

BFA..,BFH..,BFV..,BFAF..,BFHF..,BFVF..,BFAZ..,BFHZ..,BFVZ

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BF..37	1	1.2	0.7	1.2	1	1.1
BF..47	1.5	1.8	1.1	1.9	15	1.7
BF..57	2.7	3.8	2.1	3.6	2.9	3
BF..67	2.7	3.8	1.9	3.8	2.9	3.2
BF..77	5	7.3	4.3	8	6	6.3
BF..87	10	13.0	77	13.8	10.8	11
BF..97	18.5	22.5	12.6	25.0	18.5	20
BF..107	24.5	32	19.5	37.5	27	27
BF..127	39	55	34	61	45	46.5
BF..157	68	103	62	104	85.	77

斜齿轮–锥齿轮减速器(BK系列)
Helical–bevel Gear unit (BK..)

BK..,BKA..B,BKH..B,BKV..B

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BK..37	0.5	1	1	1.3	1	1
BK..47	0.8	1.3	1.5	2	1.6	1.6
BK..57	1.2	2.3	2.5	3	2.6	2.4
BK..67	1.1	2.4	2.6	3.4	2.6	2.6
BK..77	2.2	4.1	4.4	5.9	4.2	4.4
BK..87	3.7	8	8.7	10.9	7.8	8
BK..97	7	14	15.7	20	15.7	15.5
BK..107	10	21	25.5	33.5	24	24
BK..127	21	41.5	44	54	40	41
BK..157	31	62	6.5	90	58	62
BK..167	35	100	100	125	85	85
BK..187	60	170	170	205	130	130

BKF..

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BKF37	0.5	1.1	1.1	1.5	1	1
BKF47	0.8	1.3	1.7	2.2	1.6	1.6
BKF57	1.3	2.3	2.7	3	2.9	2.7
BKF67	1.1	2.4	2.8	3.6	2.7	2.7
BKF77	2.1	4.1	4.4	6	4.5	4.5
BKF87	3.7	8.2	9	11.9	8.4	8.4
BKF97	7	14.7	17.3	21.5	15.7	16.5
BKF107	10	22	26	35	25	25
BKF127	21	41.5	46	55	41	41
BKF157	31	66	69	92	62	62

BKA..,BKH..,BKV..,BKAF..,BKHF..,BKVF..,BKAZ..,BKHZ..,BKVZ

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BK..37	0.5	1	1	1.4	1	1
BK..47	0.8	1.3	1.6	2.1	1.6	1.6
BK..57	1.3	2.3	2.7	3	2.9	2.7
BK..67	1.1	2.4	2.7	3.6	2.6	2.6
BK..77	2.1	4.1	4.6	6	4.4	4.4
BK..87	3.7	8.2	8.8	11.1	8	8
BK..97	7	14.7	15.7	20	15.7	15.7
BK..107	10	20.5	24	32	24	24
BK..127	21	41.5	43	52	40	40
BK..157	31	66	67	87	62	62
BK..167	35	100	100	125	85	85
BK..187	60	170	170	205	130	130

斜齿轮–蜗轮蜗杆减速器(BS系列)
Helical–worm Gear units.(BS..)

BS..

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3[1)]	M4	M5	M6
BS37	0.25	0.4	0.5	0.6	0.4	0.4
BS47	0.35	0.8	0.7	1.1	0.8	0.8
BS57	0.5	1.2	1	1.5	1.3	1.3
BS67	1	2.0	2.2/3.1	3.2	2.6	2.6
BS77	1.9	4.2	3.7/5.4	6	4.4	4.4
BS87	3.3	8.1	6.9/10.4	12	8.4	8.4
BS97	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.

BSF..

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3[1)]	M4	M5	M6
BSF37	0.25	0.4	0.5	0.6	0.4	0.4
BSF47	0.4	0.9	0.9	1.2	1.0	1
BSF57	0.5	1.2	1	1.6	1.4	1.4
BSF67	1	2.2	2.3/3	3.2	2.7	2.7
BSF77	1.9	4.1	3.9/5.8	6.5	4.9	4.9
BSF87	3.8	8	7.1/10.1	12	9.1	9.1
BSF97	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.

BSA..,BSH..,BSAF..,BSHF..,BSAZ..,BSHZ.

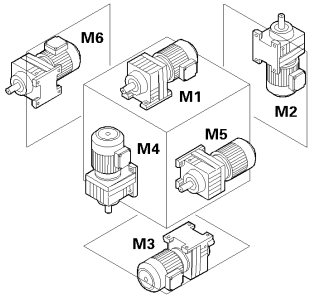
减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3[1)]	M4	M5	M6
BS..37	0.25	0.4	0.5	0.6	0.4	0.4
BS..47	0.4	0.8	0.7	1.1	0.8	0.8
BS..57	0.5	1.1	1	1.6	1.2	1.2
BS..67	1	2	1.8/2.6	2.9	2.5	2.5
BS..77	1.8	3.9	3.6/5	5.9	4.5	4.5
BS..87	3.8	7.4	6/8.7	11.2	8	8
BS..97	7	14	11.4/16	21	15.7	15.7

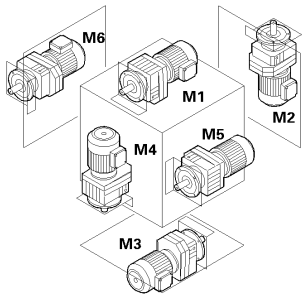
1）多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi–stage gear units must be filled with the larger oil volume.

10. 安装位置
Mounting position

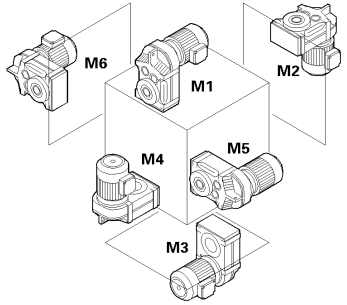
10.1 安装位置概述
10.1 Mounting position designation

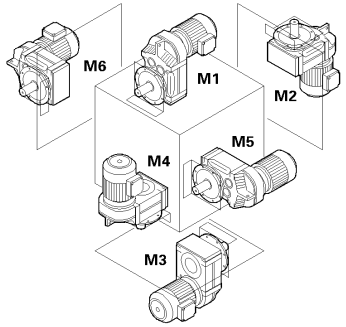
减速器分类为六种不同的安装方式M1 ~ M6。以下各图描述了安装方式M1 ~ M6中减速电机的安装位置。Differentiates between six mounting positions M1 ... M6 for gear units and gear motors.The following figure shows the position of the gear unit in mounting positions M1 ... M6.



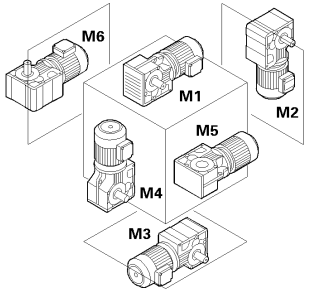


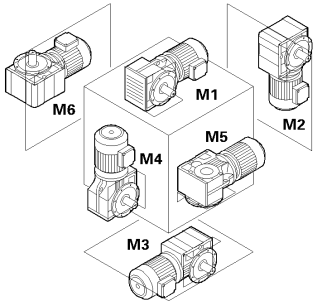
BR..





BF..





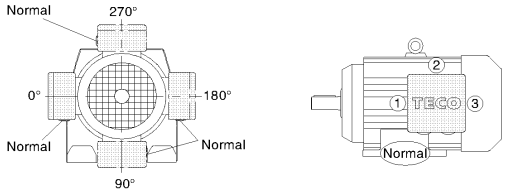
BK..
BS..

重要的订货信息：除了安装位置以外，下面订货资料也是必需的，以便精确描述要求的减速电机外形。
Important indention information：Except the mounting 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 teminal box are 0°,90°,180° or 270° 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"



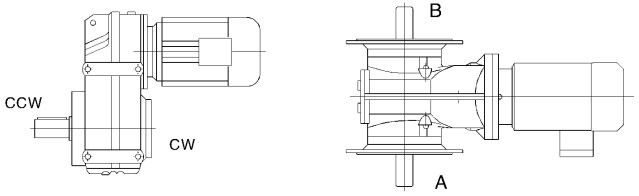
图：接线盒与出线嘴的位置
Fig:Position of the terminal box and cable entry

STOP

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BR17D71..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 enty "2"with mounting position M3.
The terminal box cannot be positioned at 90° on the BR17D71 geared motor.
Cable entry "2"is not possible with the D71..BMG motor with terminal box position 90°

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

若减速电机带逆止器，规定出减速电机的旋转方向是很必要的。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 defintion applies:
Looking onto the output shaft:Clockwise(CW)=Rotating to the right
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

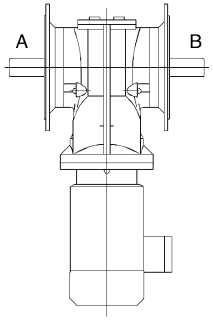


图:出轴方向
Fig:Position of the Output shaft

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.

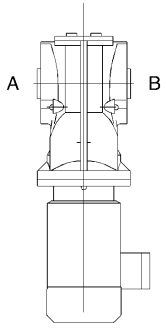


图:连接端的位置
Fig:Position of the connection end

定购实例
Sample orders

对于BK167/K187来讲，安装置为M5和M6时，连接端只能是在底部连接。
Connection end at bottom only is possible with BK167/K187 helical–beveal gear units in mounting positions M5 and M6.

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 direction
BKF47D71D4/RS	M5	A	–	B	0°	“Normal”	CW	A
BSF97D180M4	M2	A+B	–	A+B	180°	“2”	–	A+B
BKH107D160L4	M1	A	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

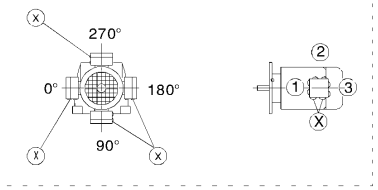
搅油损失
Churning losses

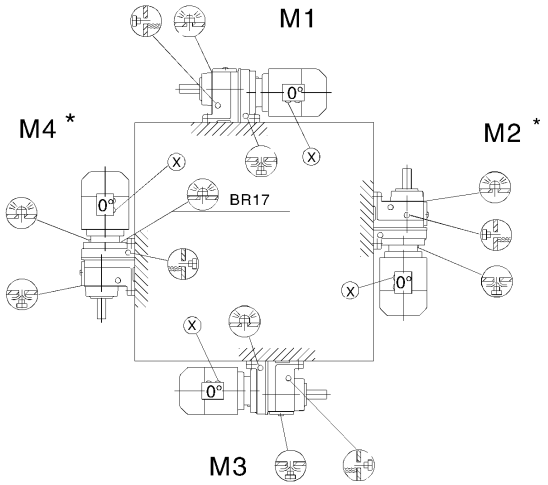
在某些安装位置可能增加搅油损失，在下列结构中请向我公司咨询
In creased churning losses may arise in some mounting positions,
Please contact company in case of the following combinations.

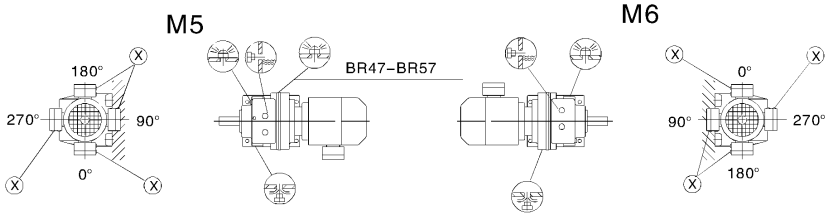
安装位置 Mounting position	减速器型号 Gear unit type	减速器规格 Gear unit size	输入速度(rpm) Input speed
M2,M4	BR	97–107	>2500
		>107	>1500
M2,M3,M4, M5,M6	BF	97–107	>2500
		>107	>1500
	BK	77–107	>2500
		>107	>1500
	BS	77–97	>2500

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

BR17–BR167

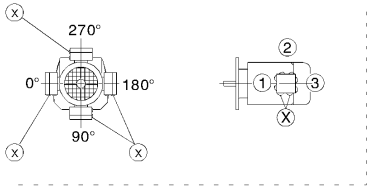


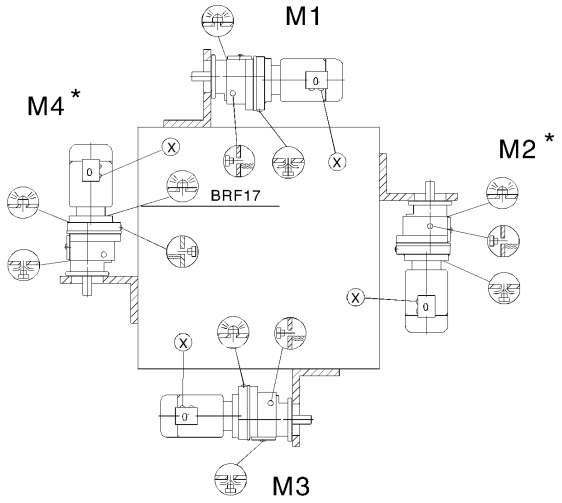


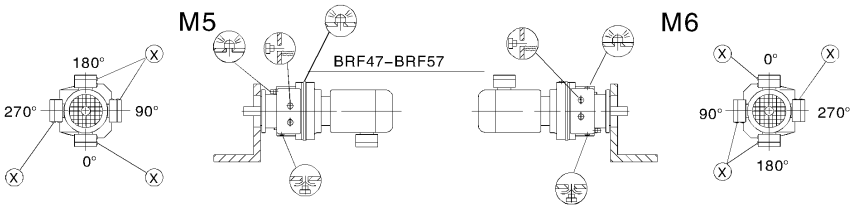


BR17,BR27		M1,M3,M5,M6
BR47,BR57		M5
BR17,BR27		

BRF17–BRF167

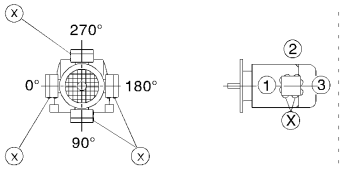


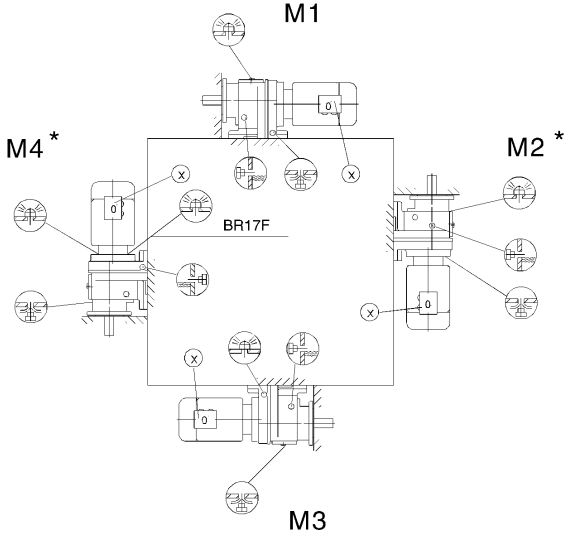


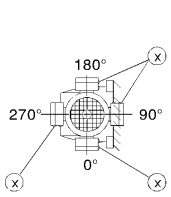


BRF17,BRF27		M1,M3,M5,M6
BRF47,BRF57		M5
BRF17,BRF27		

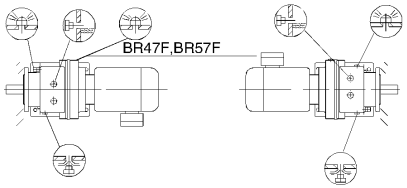
BR17F–BR87F



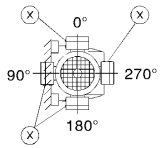




M5

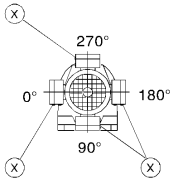


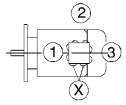
M6

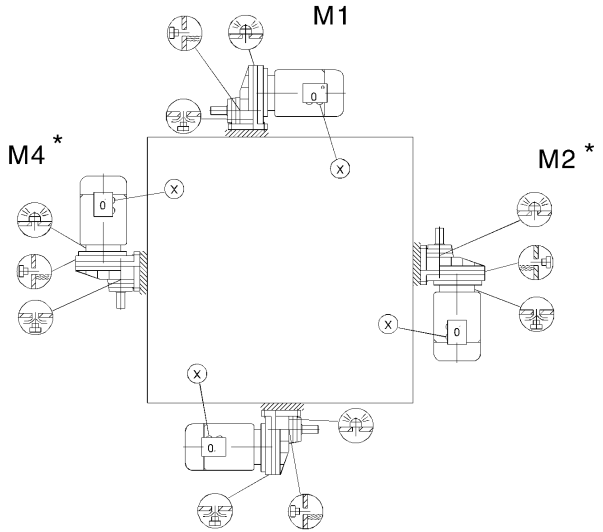


BR17F,BR27F		M1,M3,M5,M6
BR47F,BR57F		M5
BR17F,BR27F		

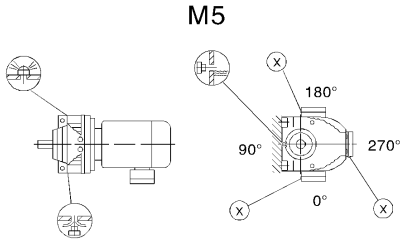
BRX57–BRX107



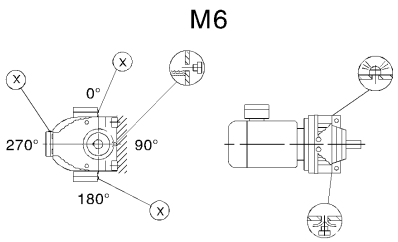




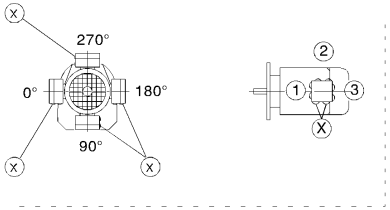
M5

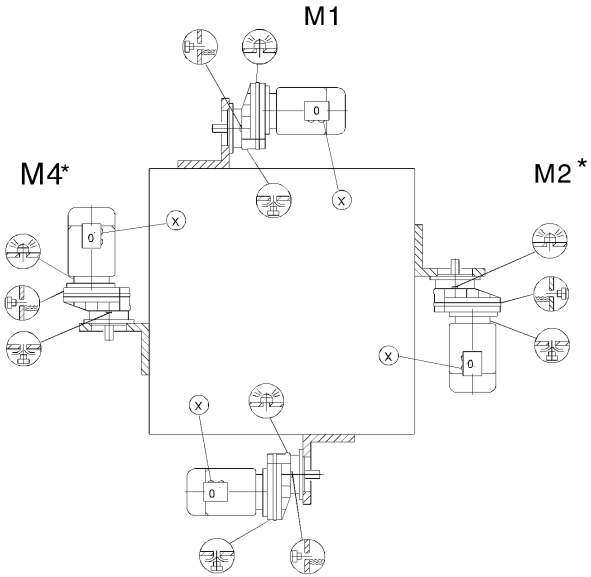


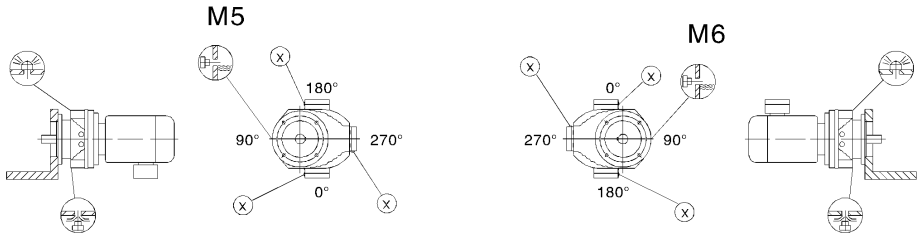
M6



BRXF57–BRXF107

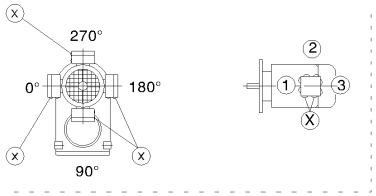


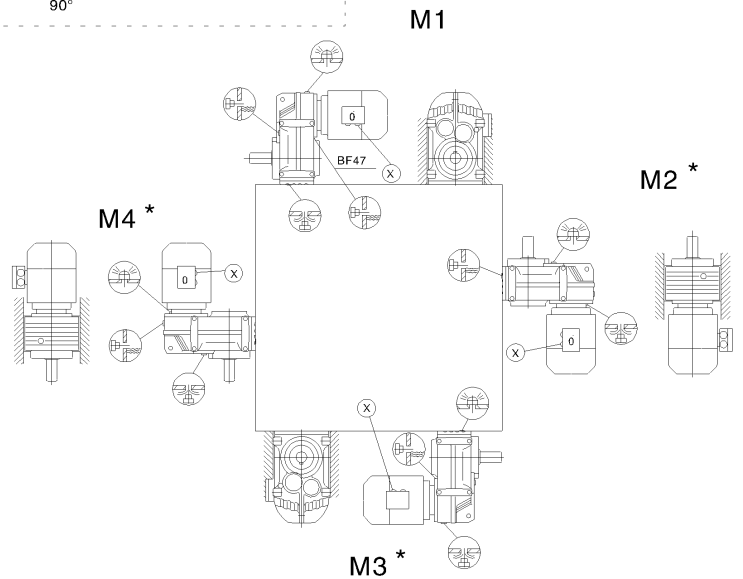


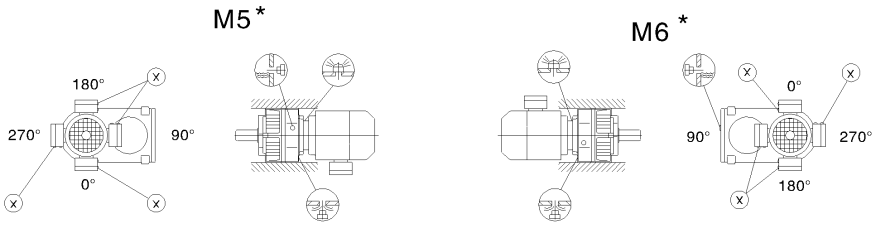


10.3 平行轴斜齿轮减速电机安装位置
10.3 Mounting position of Parallel shaft helical gear unit

BF/FA..B/FH27B–157B, BFV27B–107B

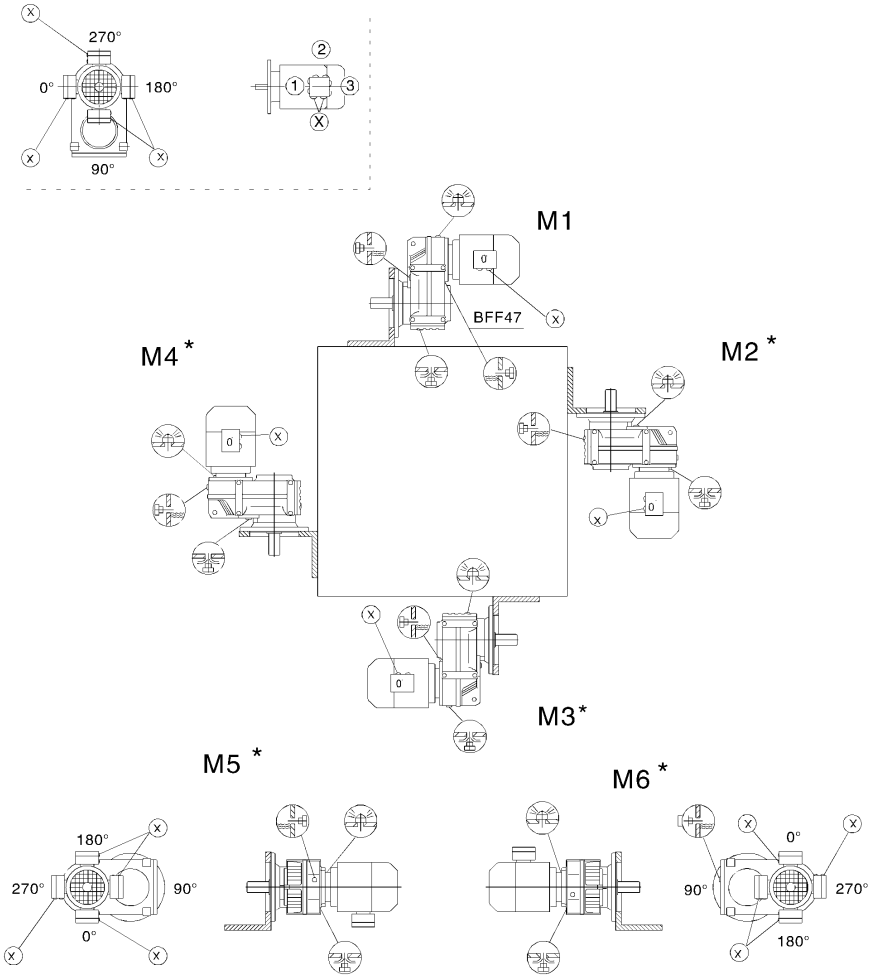






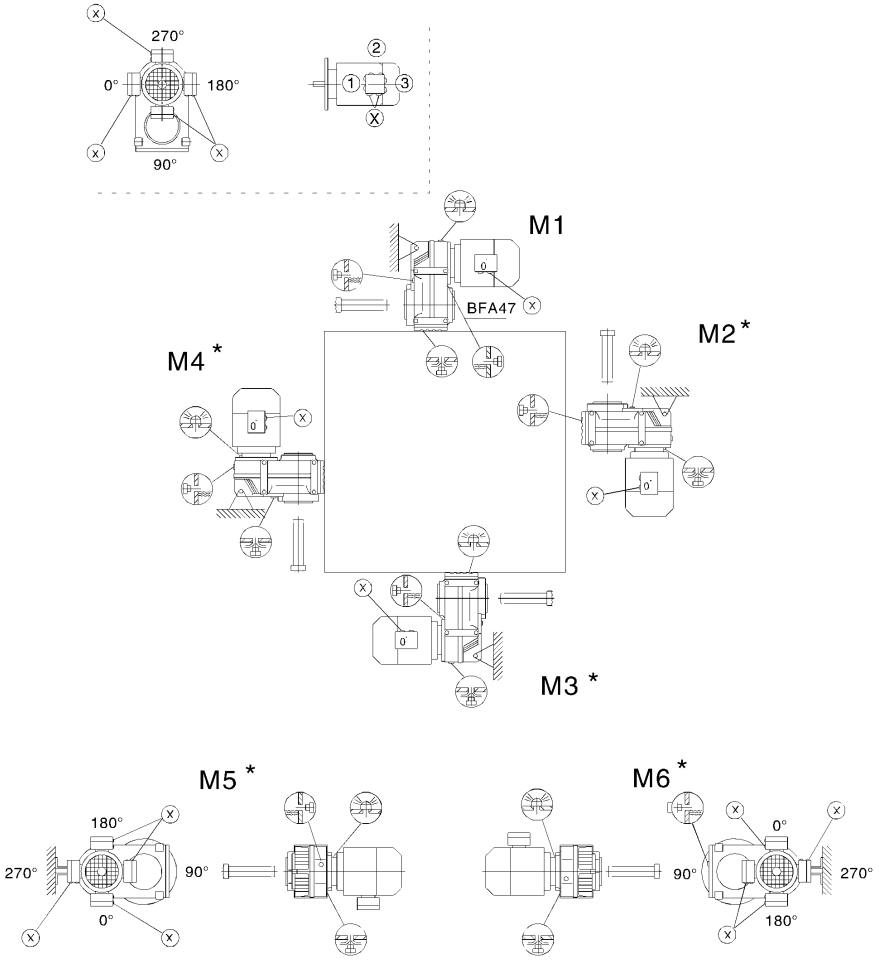
BF..27		M1,M3,M5,M6
BF..27		M1–M6
BF..27		M1,M3,M5,M6

BFF/FAF/FHF/FAZ/FHZ27–157, BFVF/FVZ27–107



BF..27		M1,M3,M5,M6
BF..27		M1–M6
BF..27		M1,M3,M5,M6

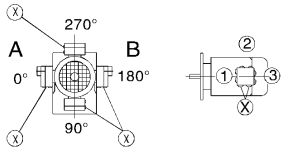
BFA/FH27–157, BFV27–107

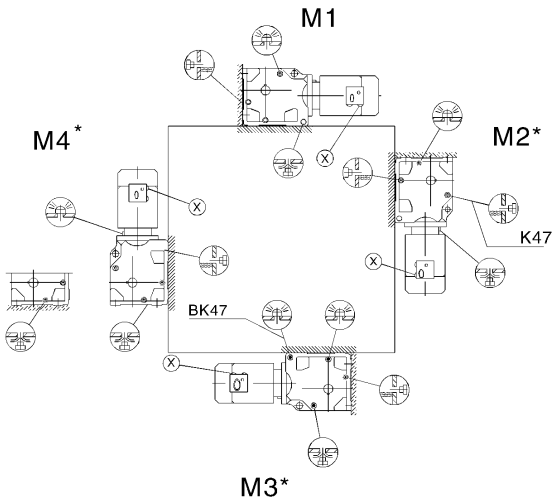


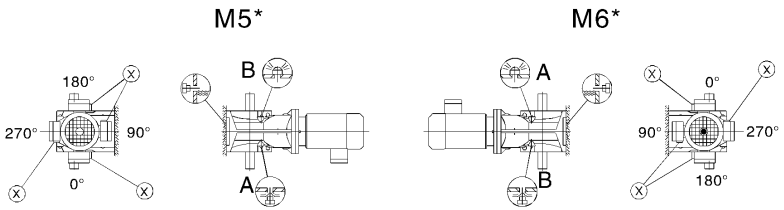
BF..27		M1,M3,M5,M6
BF..27		M1–M6
BF..27		M1,M3,M5,M6

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

BK/KA..B/KH37B – 157B, BKV37B – 107B

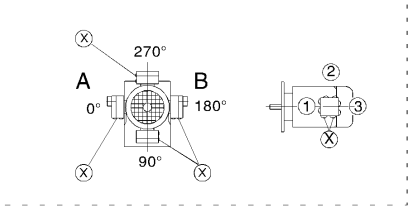


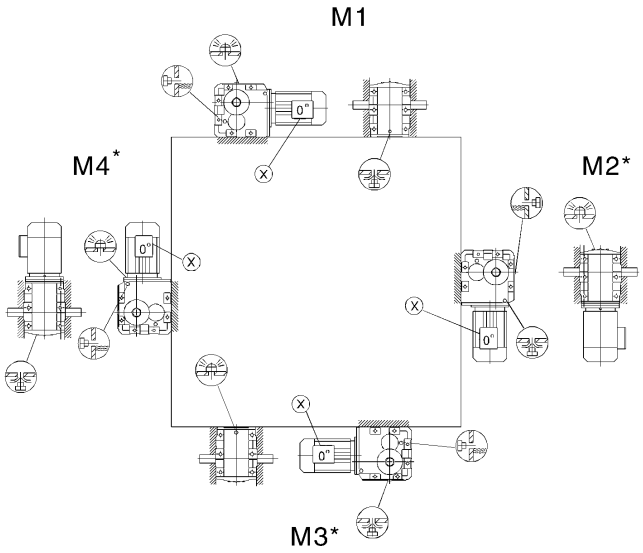


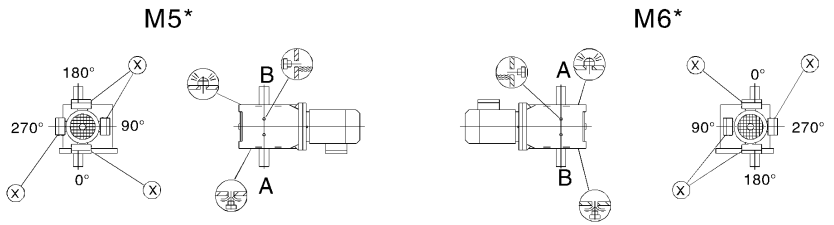


重要:请参见"减速器选型"中"径向和轴向负载"部分。
Important:Please refer to the information in the "Geared Motors"catalog.Optional Planning for Gear units Ouerhung and axial loads part".

BK167–187, BKH167B–187B

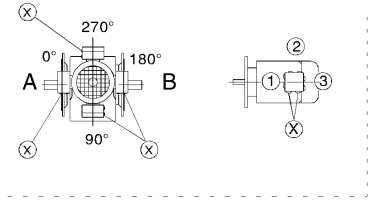


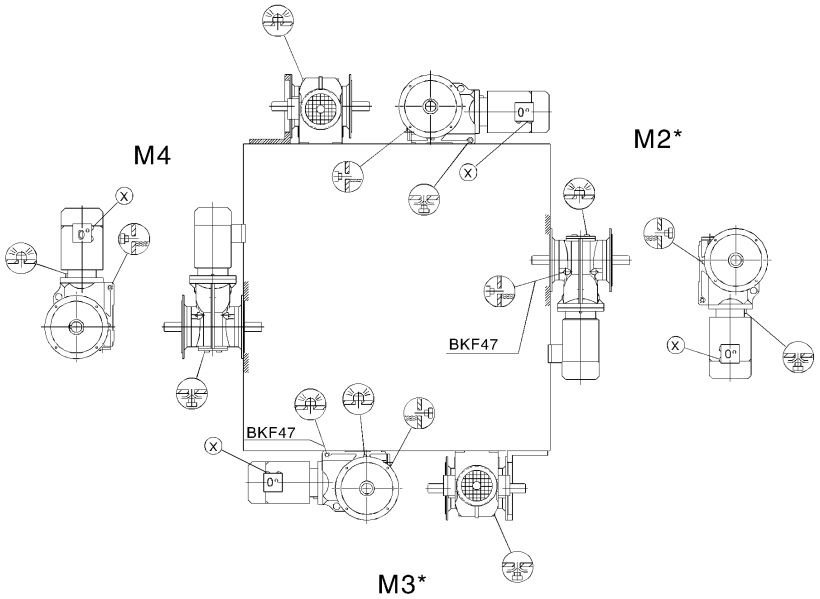


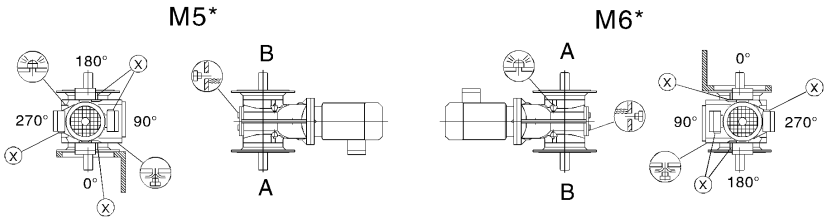


重要:请参见"减速器选型"中"径向和轴向负载"部分。
Important:Please refer to the information in the "Geared Motors"catalog.Optional Planning for Gear units Ouerhung and axial loads part".

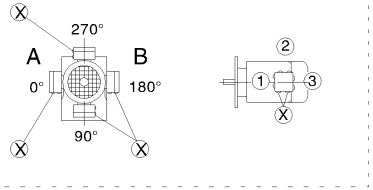
BKF/KAF/KAZ/KHZ37–157, BKVF/KVZ37–107

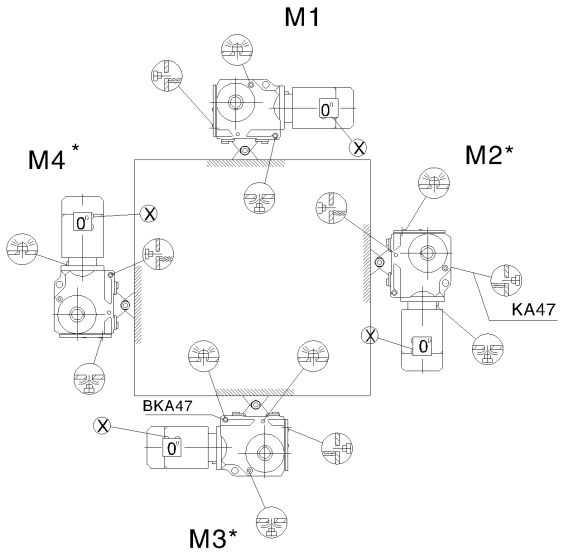


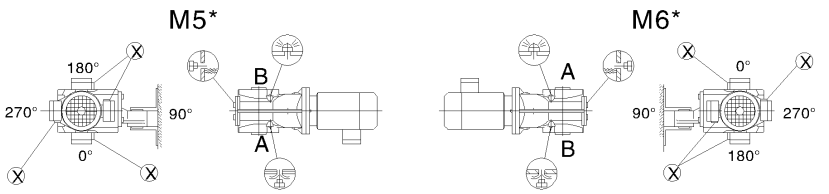




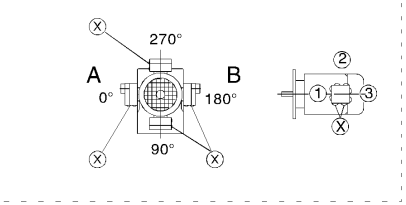
BKA/KH37–157/T, BKV37–107/T

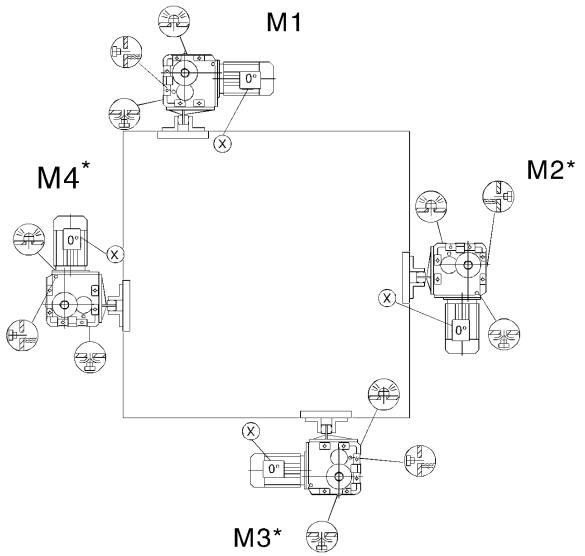


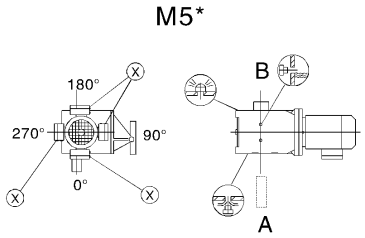


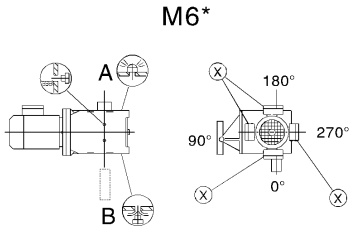


BKH167–187



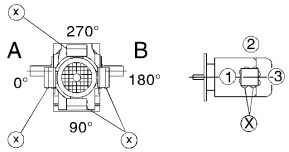


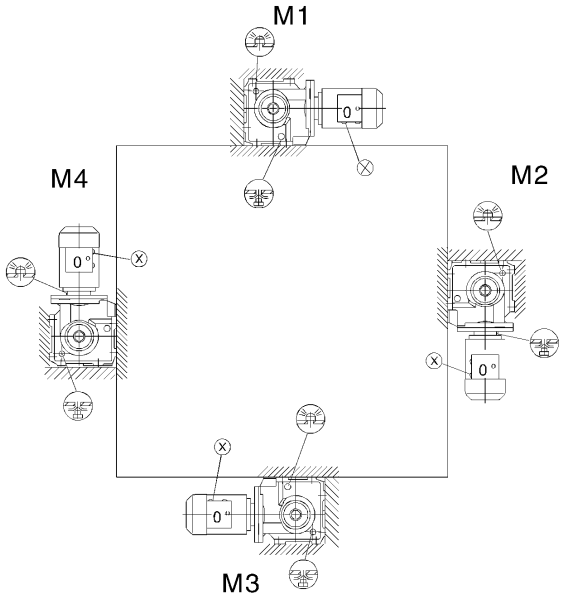


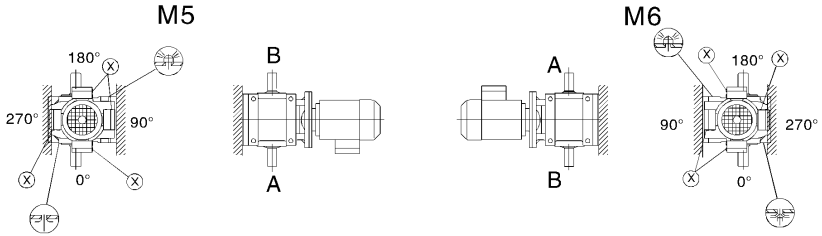


10.5 斜齿轮–蜗杆减速电机安装位置
10.5 Mounting position of helical–worm gear motor

BS37

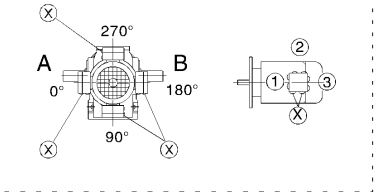


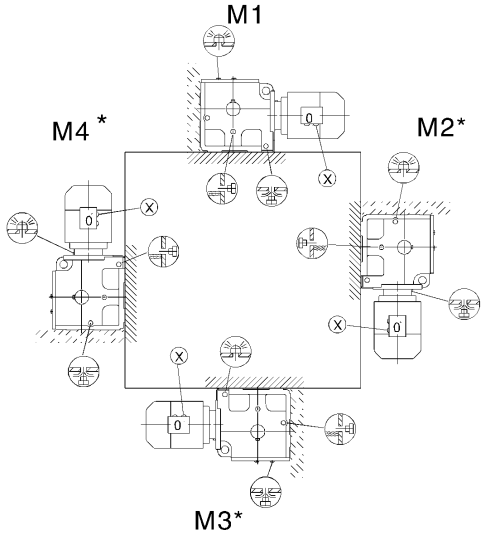


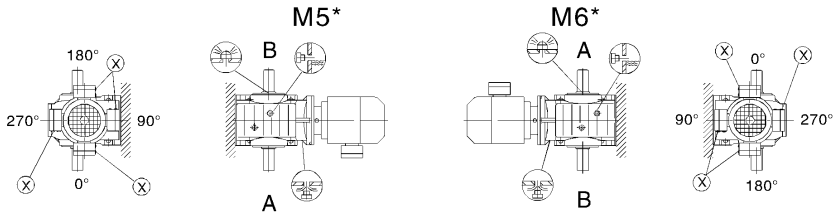


重要:请参见"减速器选型"中"径向和轴向负载"部分。
Important:Please refer to the information in the "Geared Motors"catalog.Optional Planning for Gear units Ouerhung and axial loads part".

BS47–BS97

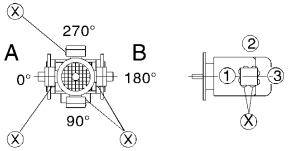


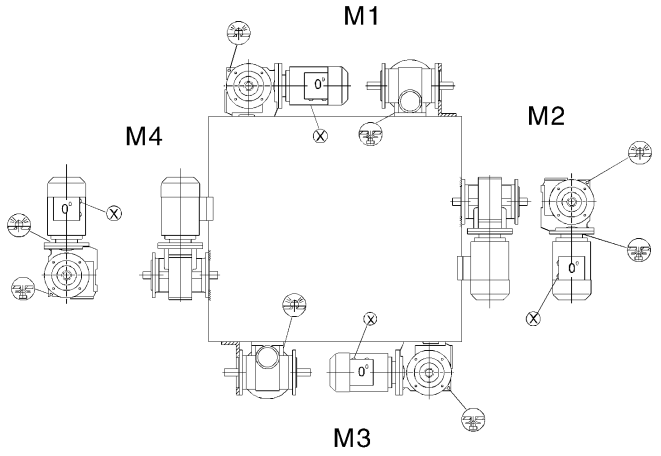


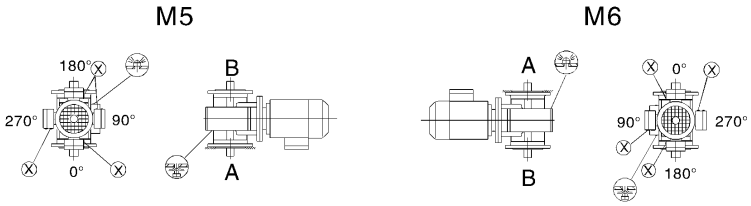


重要:请参见"减速器选型"中"径向和轴向负载"部分。
Important:Please refer to the information in the "Geared Motors"catalog.Optional Planning for Gear units Ouerhung and axial loads part".

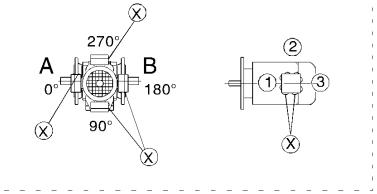
BSF/SAF/SHF37

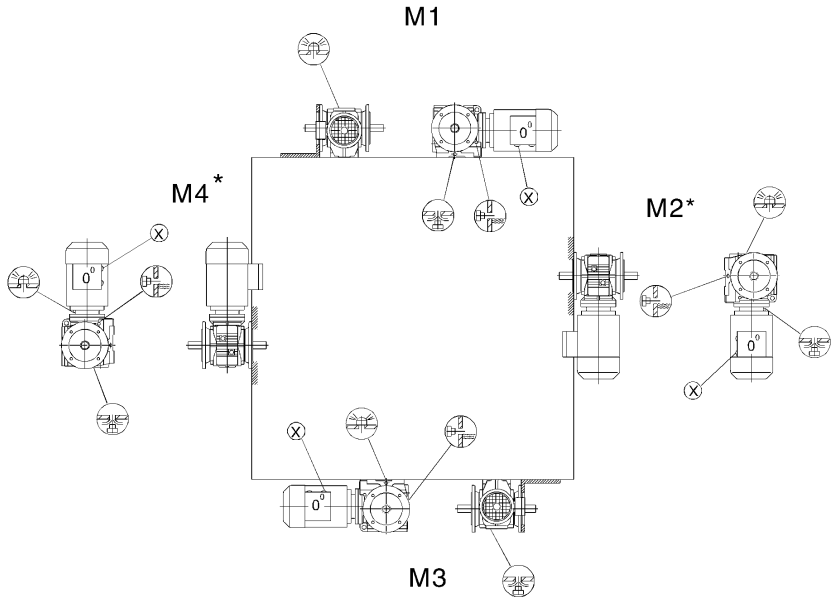


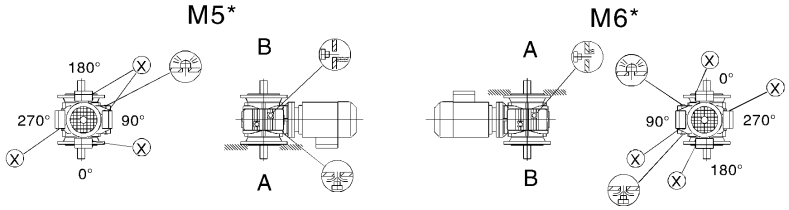




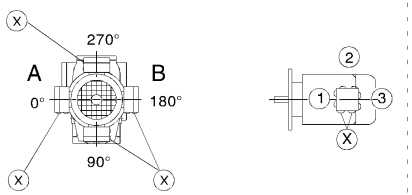
BSF/SAF/SHF/SAZ/SHZ47..–97..

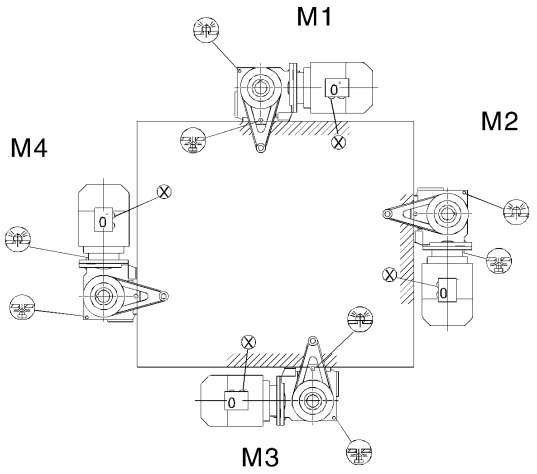


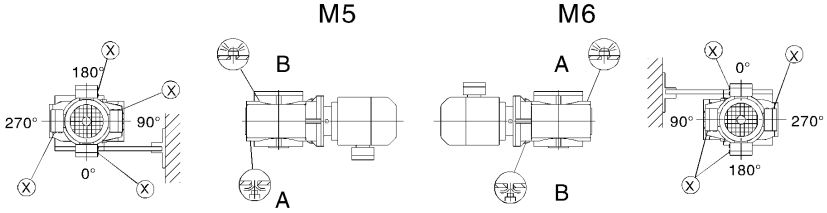




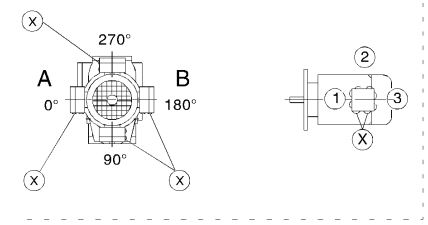
BSA/SH37/T..

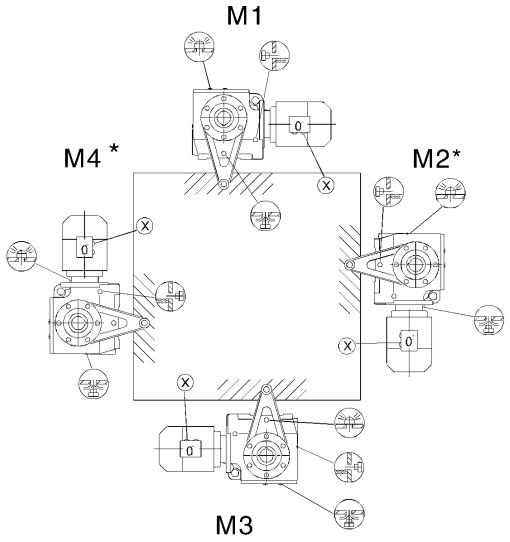


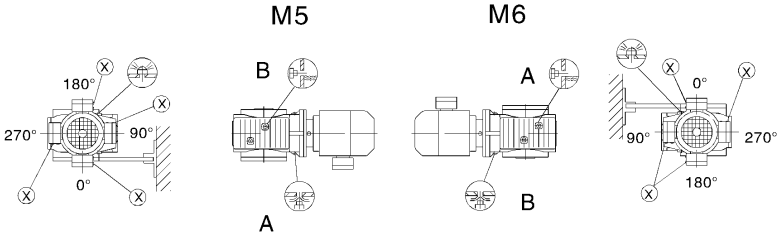




BSA/SH47..–97..







11. 产品使用注意事项
Product use matters needing attention

准备工作
Preparation work

用溶剂彻底清除输出轴和法兰表面的防腐剂、污物或类似物等。注意不要使溶剂浸入到油封的密封唇上，否则溶剂可能会损坏油封

Surface preservative, contamination or something similar of the flange surface and output shaft can be completely removed by commercially available solvents. Be careful not to make the solvent dipped into the sealing lip of oil seal, otherwise solvent may damage the seals.

长期贮存的减速机
Long period storage of reducer

请注意：如果减速机贮存1年以上，轴承中润滑剂的使用寿命将缩短。
如果加注的是矿物油（CLPHC）,且加油量与安装位置的要求相符，在这种情况下减速机随时可以运行，但是，在启动前应修正油位。

Please note: When reducers are not in operation and storage for more than 1 year, the service life of bearing lubricant will be shortened.
If the filling is mineral oil (CLPHC), and the amount is in conformity with the requirements of the installation position, under these circumstances, reducer can run at any time, but the oil level should be amended before starting.

减速机的安装
Installation of reducer

减速机或减速电机只能按规定的安装位置安装在平的、减震的、抗扭的支撑结构上，箱体底脚与安装法兰在安装过程中不能同时拧紧以免相互较劲

Reducer or gear motor can only be installed in accordance with the installation location specified flat, shock absorption, and the torsion of the support. structure , In the process of installation cabinet feet and mounting flange during installation can not be tightened in order to avoid wrestling with each other

如果需要，在减速机和从动机之间使用塑料垫片（厚2–3mm）以消除电化学腐蚀的危险（两种不同的金属，例如，铸铁和优质钢结合时），对螺栓也要用塑料垫圈，此外，用电动机上的接地螺栓使箱体接地。

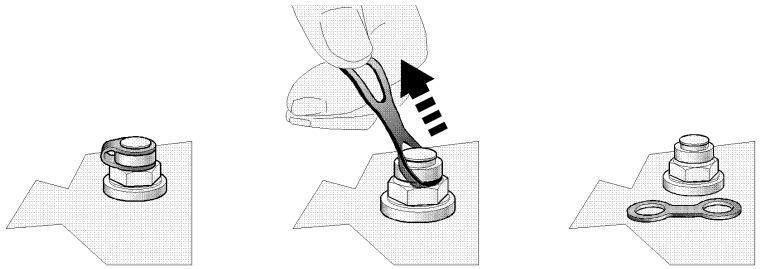
If necessary, using the plastic spacers between the gear and motivation (thick 2–3mm) to eliminate the risk of galvanic corrosion (two different metals, such as steel, cast iron and high–quality combination), as well as the bolt use plastic washers, in addition, with the grounding bolts on the motor so that the box is grounded.

减速机的透气
Ventilation of reducer

对于BR17、BR27、BF27减速箱在M1、M3、M5及M6位置时，不需要通气器。
其他所有减速机在发货时已准备好了通气器和运输橡胶圈。
对安装位置经常发生变化或安装位置倾斜的减速机供货时在通气孔上带有螺塞，启动前，用户必须用通气器代替最高处的螺塞！

For BR17, BR27, BF27 gear box in the installation position M1、M3、M5 or M6, do not need a breather plug. Other reducer has been ready for a breather plug and transport rubber ring in the package.
With a plug on the vent when the installation position of reducer is changed frequently or tilted, the user must use breather plug instead of the bolt at the highest before starting.

开启通气器
Use of the breather plug



开启通气器 Activating the breather valve

输入和输出元件的安装
Installing input and autput elements

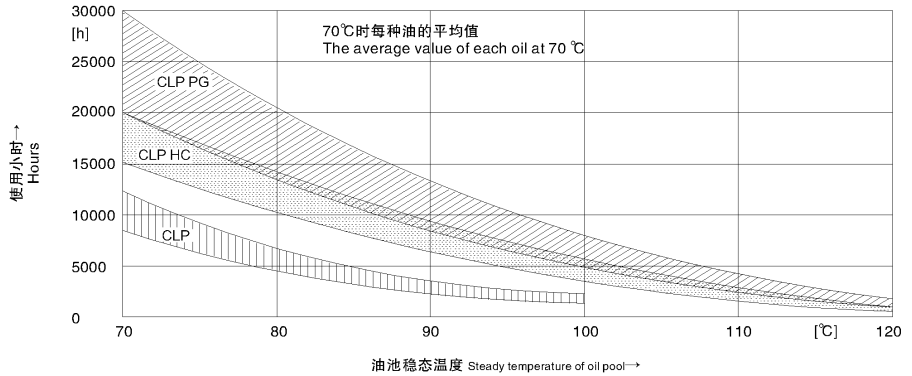
・通常利用装配夹具安装输入和输出元件，利用中心孔和轴端的螺纹来进行定位。
・在任何情况下，不得用锤子将皮带轮、联轴器或小齿轮敲入输出轴上，这样会损坏轴承、外壳和轴。
・就皮带轮而言，要确信皮带正确地拉紧 (根据制造商的说明)。
・配套的传递部件应当做动平衡处理，以免引起过大的径向力或轴向力 (允许径向力的值见“减速机”样本)。

・Usually using the assembly fixture to install input and output elements, use the center hole and the thread of the shaft end to locate.
・In any case, it is not allowed to use hammer to knock the pulleys、couplings or pinion into the output shaft, or the bearing, shell and shaft might be damaged.
・In term of pulley, the belt must be made sure tensioned correctly (according to the manufacturer's instructions).
・In order to avoid excessive radial force or axial forces, matching transmission parts should be handled as dynamic balance. (The value of allowing radial forces is marked in reducer samples).

检查和维护的周期
Inspection and maintenance period

维护周期 Maintenance period	内容 Content
每6个月或工作3000小时 Every 6 months or 3000 working hours	检查油 Check the oil
取决于运行条件 Depending on the operating conditions	更换矿物油 Replace mineral oil
检查周期不得长于3年 Inspection period shall not be longer than 3 years	更新耐磨轴承润滑脂 Update the anti–friction bearing greases
取决于运行条件 Depending on the operating conditions	更换矿物油 Replace mineral oil
检查周期不得长于5年 Inspection period shall not be longer than 5 years	更新耐磨轴承润滑脂 Update the anti–friction bearing greases
BR17/27和BF27系列免维护 Reducers of BR17/ BR27 or BF27 are maintenance free	

更换润滑剂周期图
Replace the lubricant periodogram



标准减速机在正常条件下工作时油的更换时间间隔。
The gear oil change intervals when the standard reducer working under normal conditions.
对特殊结构的减速机，在恶劣环境或有腐蚀条件下工作时要缩短油的更换间隔。
For special structure reducer, the gear oily change intervals should be shorter under the harsh or corrosive working condition.

故障处理
Malfunctions

故障 Fault	可能原因 Possible cause	处理方法 Processing method
异常的有规律的运转噪声 Abnormal regularly operation noise	a) 转动/研磨噪声: 轴承损坏 b) 敲击噪声:齿轮有缺陷 a) Rotating/grinding noise: Bearing damage b) Knocking noise: gear defects	1. 检查油(更换轴承) 2. 与客户服务中心联系 1. Check the oil (replace the bearing) 2. Contact with customer service center
异常的无规律的运转噪声 Abnormal irregularly operation noise	油中有杂物 Debris in the oil seal	1. 检查油 2. 停止运行，与客户服务中心联系 1 .Check the oil 2. Stop running, contact with customer service center
漏油[1)] ・从箱体的端盖处 ・从减速机法兰处 ・从输出轴的油封处 ・从电机油封处 Oil spill[1)] ・From the end cover of the box ・From the flange of reducer ・From the oil seal of output shaft ・From the oil seal of motor	a) 端盖密封损坏 b) 通气器、橡胶圈未撕掉 c) 减速机不通气 a) The seal of end cover damage b) Rubber rings and breather plug is not off. c) reducer is not ventilate	对a)，再拧紧一下螺栓，如继续漏油，请与客户服务中心联系 对b)，请与客户服务中心联系 For a), Tighten the bolt, if it continuesto leak oil , please contact customer service center For b), Please contact with customer service center
漏油 ・从通气器处 Oil spill ・From the breather plug	a) 油量太多 b) 通气器安装不正确 c) 频繁冷起动(油泡沫)或油位太高 a) Too much oil b) breather plug is not installed correctly c) Frequent cold start (oil foam) or oil level too high	a) 修正油位 b) 正确安装通气器 a) Correct the oil level b) Install the breather plug correctly
电动机转动或输入轴转动时，输出轴不转 When the motor or the input shaft is rotating, the output shaft does not rotate	卡环脱落、滚键 The snap ring is off, roll key	送修 Sent to repair

[1)] 磨合过程（运转24小时）油封少量渗漏油/油脂是正常的。
[1)] A small amount of oil from the oil seal is normal in the process of running (Running for 24.

12. 尺寸信息
Dimension information

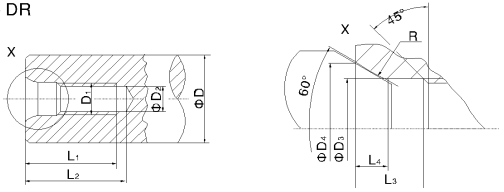
中心高公差
Shaft heights tolerances

h ≤250mm →−0.5mm
h >250 →−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 →ISOk6
Φ >50 →ISOm6
按照DIN332标准有DR型中心孔：
Center hole in accordance with DIN332.
shape DR



输出轴直径ΦD Diameter of 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	31.0	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

BR17和BR27减速机，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。
BR17...BR27 helical gear units, motors up to DV100 and Spiroplan geared motoes 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/电机型号规格 Gear unit/motor type	吊环/吊耳 Screw−on lifting eyebolts /suspension eye lugs	铸造吊装孔 Cast−on suspension eye lugs
BR/RF37−57,BRX/RXF57−67	●	−
≥BR67	●	−
BF37−157	−	●
BK37−157	−	●
BK167−187	●	−
BS37−47	●	−
BS57−97	−	●
≥D112	●	−

通气阀
Breather valves

减速机尺寸图总是显示为螺塞，相应地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 mounting position M1−M6 is ordered. Theis 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: 若需要可向我公司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 company, data sheet no.33 753..95.

花键空心轴
Splined hollow shaft

BFV..和 BKV..减速机从37到107可提供按DIN5480制作的花键空心轴。
Hollow shaft gear units BFV.. in sizes 37−107 and BFV.. In sizes 37−107 are supplied with a splined hollow shaft to ISO4762.

BFA/BFH/BFV的橡胶缓冲垫
Rubber buffer for BFA/BFH/BFV

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 motor accessory.

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 special versions such as KS or CSA may different form the standard dimensions.