
 在本使用说明书中，我们将尽力叙述各种与 **GSK ZJY** 系列主轴伺服电动机相关的事项。限于篇幅限制及产品具体使用等原因，不可能对所有不必做和/或不能做的操作进行详细的叙述。因此，本使用说明书中没有特别指明的事项均视为“不可能”或“不允许”进行的操作。

 本使用说明书的版权，归广州数控设备有限公司所有，任何单位与个人进行出版或复印均属于非法行为，广州数控设备有限公司将保留追究其法律责任的权利。

前 言

尊敬的客户：

对您惠顾选用广州数控设备有限公司的 GSK ZJY 系列主轴伺服电动机（以下简称电动机），本公司深感荣幸并深表感谢！

为了保证电动机产品安全、正常与有效地运行工作，请您务必在安装、使用产品前仔细阅读本使用说明书。

安全警告及注意事项



连接及操作不当，将引起意外事故！

请使用操作之前务必仔细阅读本使用说明书。

- 1 电动机内装有光电编码器，安装时严禁敲打电动机；用户不得自行拆装光电编码器，否则破坏编码器而致使电动机无法运行！
- 2 在正常气候条件下，用 1000V 兆欧表测量电动机绕组对机壳的绝缘电阻，其值应不小于 20 MΩ。
- 3 按本使用说明书所述的电动机与驱动单元接线方式正确连接，确保保护接地连接牢固可靠。
- 4 电动机从零速至最高速空载运行，应无异常噪声和震动，方可投入负载运行。
- 5 电动机运行中，切勿接触运转中的电动机轴以及电动机外壳。
- 6 具有相应资格的人员，才能调整、维护电动机。
- 7 不得拖拽电线(缆)、电动机轴和编码器搬运电动机。
- 8 用户对产品的任何改动本公司将不承担任何责任，产品的保修单将因此作废。

所有规格和设计如有变化，本公司恕不另行通知。

安全责任

制造者的安全责任

- 制造者应对所提供的电动机及随行供应的附件在设计和结构上已消除和/或控制的危险负责。
- 制造者应对所提供的电动机及随行供应的附件的安全负责。
- 制造者应对提供给使用者的使用信息和建议负责。

使用者的安全责任

- 使用者应通过电动机安全操作的学习和培训，并熟悉和掌握安全操作的内容。
- 使用者应对自己增加、变换或修改原电机、附件后的安全及造成的危险负责。
- 使用者应对未按使用说明文件的规定操作、调整、维护、安装和储运产品造成的危险负责。

本手册由最终用户收藏。

诚挚的感谢——您在使用广州数控设备有限公司的产品时，对我们的友好支持！

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1 产品介绍

GSK ZJY 系列主轴伺服电动机是广州数控设备有限公司自主开发及制造的新型高性能三相感应电动机，采用 F 级绝缘结构、变频电动机专用耐电晕漆包线，使用高速、高精度编码器。产品具有结构紧凑、旋转精度高、噪声低、可靠性高、性能价格比高等特点，能广泛满足机床数控及自动化等有关需求。



2 产品特点

- ◇ 采用全封闭式无外壳风冷结构，外形美观、结构紧凑。
- ◇ 采用优化的电磁设计，电磁噪声低、运行平稳、效率高。
- ◇ 采用进口高精度轴承和转子高精度动平衡工艺，确保电动机运行在最高转速范围内稳定可靠、振动小、噪声低。
- ◇ 采用耐电晕漆包线，电动机能在 $-15^{\circ}\text{C}\sim 40^{\circ}\text{C}$ 环境温度及粉尘油雾环境下可靠使用。
- ◇ 采用高速、高精度编码器，与高性能驱动单元配合可作高精度的速度和位置控制。
- ◇ 过载能力强，可 30min 150%额定功率下、5min 300%额定功率下可靠运行。
- ◇ 调速范围广，最高转速可达 12000r/min。
- ◇ 耐冲击，寿命长，性能价格比高。
- ◇ 防护等级：IP54（GB/T 4942—2021）。
- ◇ 绝缘等级：F 级（GB/T 755—2019）。
- ◇ 振动等级：B 级（GB/T 10068—2020）。

3 工作运行环境

- 海拔不应超过 1000m。
- 环境温度在 $-10^{\circ}\text{C}\sim 40^{\circ}\text{C}$ 的范围内。
- 空气相对湿度 $\leq 90\%$ （无凝露）。
- AC 稳态电压值为： $(0.85\sim 1.1) \times \text{AC 额定电压值}$ 。

4 电动机型号说明

示例：ZJY265A-7.5VMD-B3A2LY1-L

ZJY	265	A	-	7.5	V	M	D	-	B3	A2	L	Y1	(**)	-	L
(1)	(2)	(3)		(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)		(13)

序号	含 义
(1)	主轴伺服电动机
(2)	机座号 (141、182、208、265、320)
(3)	设计序号 (无: 原始, A、B、C……: 设计序号)
(4)	额定功率 (单位: kW)
(5)	额定转速 (U: 500 r/min V: 600 r/min、W: 750 r/min、A: 1000 r/min、B: 1500 r/min、C: 2000 r/min、E: 3000 r/min、H: 4500 r/min)
(6)	最高转速 (N: 24000 r/min、G: 15000 r/min、F: 12000 r/min、H: 10000 r/min、M: 7000 r/min、L: 4500 r/min) (ZJY320 及以上机座号 M:6000 r/min)
(7)	无: 普通电机、D: 双速 (可高低速切换) 电机
(8)	结构安装型式: (B5 凸缘安装、B3 底脚安装、B35 凸缘底脚安装)
(9)	编码器类型 (无: 增量式 1024 p/r、A2: 增量式 5000 p/r、A5: 绝对式 21 bit 、 C1: 128 齿弦波磁编码器、C2: 256 齿弦波磁编码器、 C3: 384 齿弦波磁编码器、C5: 512 齿弦波磁编码器、 F13:128 齿 8 倍细分方波齿轮编码器。相当于 128*8=1024 线 F14:128 齿 16 倍细分方波齿轮编码器。相当于 128*16=2048 线 F15:128 齿 32 倍细分方波齿轮编码器。相当于 128*32=4096 线 F23:256 齿 8 倍细分方波齿轮编码器。相当于 256*8=2048 线 F24:256 齿 16 倍细分方波齿轮编码器。相当于 256*16=4096 线 F25:256 齿 32 倍细分方波齿轮编码器。相当于 256*32=8192 线
(10)	从轴伸端看接线盒位置 (无: 接线盒顶置、R: 接线盒右置、L: 接线盒左置)
(11)	轴伸 (无: 光轴、Y1: 带标准键槽)
(12)	客户特殊订货代号, 用两个大写字母加括号表示
(13)	电源电压 (无: 三相 380 V~440V、L: 三相 220V)

5 主要技术参数及外形尺寸

5.1 三相 380V~440V 主轴电动机主要技术参数及外形尺寸见表 1。

表 1

项 目	规 格								
	ZJY141A-3.7EN	ZJY141A-5.5HN	ZJY141A-1.5EG	ZJY141A-2.2EG	ZJY182A-3.7BL	ZJY182A-5.5BL	ZJY182A-1.5BH	ZJY182A-2.2BH	
额定功率(kW)	3.7	5.5	1.5	2.2	3.7	5.5	1.5	2.2	
适配驱动单元 型号	GS/GR3050	GS/GR3100	GS/GR3048	GS/GR3048	GS/GR3050	GS/GR3050	GS/GR3048	GS/GR3048	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz								
额定电流(A)	11.5	23	5.2	7.4	10.4	13.8	6.3	7.5	
额定频率(Hz)	104.3	154.4	104.7	104.3	53.7	53.5	53.9	53.6	
额定转矩(N·m)	11.8	11.7	4.8	7	24	35	9.5	14	
30min 功率(kW)	5.5	7.5	2.2	3.7	5.5	7.5	2.2	3.7	
30min 电流(A)	15.6	29	7	11.2	14.8	18	9.3	11	
30min 转矩 (N·m)	17.5	15.9	7	11.8	35	48	14	24	
额定转速(r/min)	3000	4500	3000	3000	1500	1500	1500	1500	
恒功率范围(r/min)	3000~8000	4500~20000	3000~15000	3000~15000	1500~4500	1500~4500	1500~7000	1500~7000	
最高转速(r/min)	24000	24000	15000	15000	4500	4500	10000	10000	
转动惯量(kg·m ²)	0.0038	0.0038	0.0022	0.0029	0.0068	0.0102	0.0040	0.0054	
重 量(kg)	22	22	14.8	18.3	37	52	27	32	
安装型式	IM B5				IM B5 或 B35				
冷却风机电源	单相 AC 220V 50Hz 24W 0.13A				三相 AC 380V~440V 50/60Hz 37W 0.1A				
外形尺寸 (外形图见 5.4)	A	141	141	141	141	182	182	182	182
	B	70.5	70.5	70.5	70.5	91	91	91	91
	C	123	123	123	123	123	123	123	123
	D	145	145	145	145	185	185	185	185
	E	50	50	50	50	60	60	60	60
	F	384	384	304	344	371	436	319	346
	G	220.5	220.5	140.5	180.5	249	314	197	224
	H	110h7	110h7	110h7	110h7	150h7	150h7	150h7	150h7
	I	9.3	9.3	9.3	9.3	12	12	12	12
	J	24h6	24h6	24h6	24h6	28h6	28h6	28h6	28h6
	K	162.5	162.5	162.5	162.5	158	158	158	158
	L	213	213	213	213	93	93	93	93
	N					156	156	156	156
	P					32	32	32	32
	Q					184	249	132	159
	S	50	50	50	50	60	60	60	60
T	5	5	5	5	4	4	4	4	
Z					12	12	12	12	

表 1 (续)

项目	规格								
	ZJY182A-3.7BH	ZJY182A-5.5BH	ZJY182A-3.7EG	ZJY182A-5.5EG	ZJY182A-7.5EG	ZJY208A-3.7WL	ZJY208A-2.2AM	ZJY208A-3.7AM	
额定功率(kW)	3.7	5.5	3.7	5.5	7.5	3.7	2.2	3.7	
适配驱动单元型号	GS/GR3050	GS/GR3075	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3050	GS/GR3048	GS/GR3050	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz								
额定电流(A)	15.5	17.3	11.6	16.6	20.2	11.3	6.7	10.2	
额定频率(Hz)	53.1	53.5	103.2	103.3	103.2	27.3	35.7	35.7	
额定转矩(N·m)	24	35	11.8	17.5	24	47	21	35	
30min 功率(kW)	5.5	7.5	5.5	7.5	11	5.5	3.7	5.5	
30min 电流(A)	19.6	21.8	15.4	20.7	26.6	16	10.6	14.2	
30min 转矩(N·m)	35	48	17.5	24	35	70	35	53	
额定转速(r/min)	1500	1500	3000	3000	3000	750	1000	1000	
恒功率范围(r/min)	1500~7500	1500~7000	3000~12000	3000~12000	3000~11000	750~4000	1000~4500	1000~5000	
最高转速(r/min)	10000	10000	15000	15000	15000	4500	7000	7000	
转动惯量(kg·m ²)	0.0083	0.0102	0.0054	0.0068	0.0083	0.0250	0.0142	0.0196	
重量(kg)	43	52	32	37	43	77	51	66	
安装型式	IM B5 或 B35								
冷却风机电源	三相 AC 380V~440V 50/60Hz 37W 0.1A				三相 AC 380V~440V 50/60Hz 40W 0.14A				
外形尺寸 (外形图见 5.4)	A	182	182	182	182	182	208	208	208
	B	91	91	91	91	91	104	104	104
	C	123	123	123	123	123	160	160	160
	D	185	185	185	185	185	215	215	215
	E	60	60	60	60	60	80	60	80
	F	401	436	346	371	401	524	414	469
	G	279	314	224	249	279	395	285	340
	H	150h7	150h7	150h7	150h7	150h7	180h7	180h7	180h7
	I	12	12	12	12	12	14	14	14
	J	28h6	28h6	28h6	28h6	28h6	38h6	28h6	38h6
	K	158	158	158	158	158	212	212	212
	L	93	93	93	93	93	106	106	106
	N	156	156	156	156	156	180	180	180
	P	32	32	32	32	32	40	40	40
	Q	214	249	159	184	214	320	210	265
	S	60	60	60	60	60	80	60	80
T	4	4	4	4	4	5	5	5	
Z	12	12	12	12	12	12	12	12	

表 1 (续)

项 目	规 格								
	ZJY208A-5.5AM	ZJY208A-5.5BL	ZJY208A-7.5BL	ZJY208A-9BL	ZJY208A-3.7BM	ZJY208A-5.5BM	ZJY208A-7.5BM	ZJY208A-2.2BH	
额定功率(kW)	5.5	5.5	7.5	9	3.7	5.5	7.5	2.2	
适配驱动单元型号	GS/GR3075	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3050	GS/GR3050	GS/GR3075	GS/GR3048	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz								
额定电流(A)	16.3	12.9	17.9	21.6	8.6	13	17	8.9	
额定频率(Hz)	35.7	53.3	52.9	52.6	52.9	52.4	52.7	52.6	
额定转矩(N·m)	53	35	48	57.3	24	35	48	14	
30min 功率(kW)	7.5	7.5	11	12	5.5	7.5	11	3.7	
30min 电流(A)	20.5	16.8	24	27.2	12.7	16.9	24.6	13.8	
30min 转矩(N·m)	72	48	70	76.4	35	48	70	24	
额定转速(r/min)	1000	1500	1500	1500	1500	1500	1500	1500	
恒功率范围(r/min)	1000~5000	1500~4500	1500~4500	1500~4500	1500~5500	1500~5500	1500~5500	1500~8500	
最高转速(r/min)	7000	4500	4500	4500	7000	7000	7000	10000	
转动惯量(kg·m ²)	0.0250	0.0143	0.0196	0.0256	0.0142	0.0196	0.0250	0.0093	
重 量(kg)	77	51.5	66	77	51	66	77	49	
安装型式	IM B5 或 B35								
冷却风机电源	三相 AC 380V~440V 50/60Hz 40W 0.14A								
外形尺寸 (外形图见 5.4)	A	208	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215	215
	E	80	80	80	80	60	80	80	60
	F	524	414	469	524	414	469	524	364
	G	395	285	340	395	285	340	395	235
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14	14
	J	38h6	38h6	38h6	38h6	28h6	38h6	38h6	28h6
	K	212	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40	40
	Q	320	210	265	320	210	265	320	160
	S	80	80	80	80	60	80	80	53
T	5	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	12	

表 1 (续)

项 目	规 格							
	ZJY208A-3.7BH	ZJY208A-5.5BH	ZJY208A-7.5BH	ZJY208A-11CM	ZJY208A-11CH	ZJY208A-5.5CF	ZJY208A-7.5CF	ZJY208A-11CF
额定功率(kW)	3.7	5.5	7.5	11	11	5.5	7.5	11
适配驱动单元 型号	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3148	GS/GR3148	GS/GR3075	GS/GR3100	GS/GR3148
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz							
额定电流(A)	12.6	18.4	22.4	28.3	28.3	19	25.8	28.3
额定频率(Hz)	52.5	52.4	52.6	69.1	69	69	69	69.1
额定转矩(N·m)	24	35	48	52.6	52.5	26.3	35.8	52.6
30min 功率(kW)	5.5	7.5	11	15	15	7.5	11	15
30min 电流(A)	18	24	32.2	37	37	24	34.9	37
30min 转矩(N·m)	35	48	70	71.6	71.6	35.8	52.5	71.6
额定转速(r/min)	1500	1500	1500	2000	2000	2000	2000	2000
恒功率范围(r/min)	1500~8500	1500~8500	1500~8500	2000~7000	2000~8000	2000~10000	2000~10000	2000~10000
最高转速(r/min)	10000	10000	10000	7000	10000	12000	12000	12000
转动惯量(kg·m ²)	0.0142	0.0196	0.0250	0.0256	0.0250	0.0142	0.0196	0.0256
重 量(kg)	51	66	77	77.5	77	51	66	77.5
安装型式	IM B5 或 B35							
冷却风机电源	三相 AC 380V~440V 50/60Hz 40W 0.14A							
外形尺寸 (外形图见 5.4)	A	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215
	E	60	80	80	110	80	80	80
	F	414	469	524	524	524	414	469
	G	285	340	395	395	395	285	340
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14
	J	28h6	38h6	38h6	48h6	38h6	38h6	38h6
	K	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40
	Q	210	265	320	320	320	210	265
	S	60	80	80	110	80	80	80
T	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	

表 1 (续)

项 目	规 格								
	ZJY208A-15EM	ZJY208A-5.5EF	ZJY208A-7.5EF	ZJY208A-11EF	ZJY265A-5.5WL	ZJY265A-7.5WL	ZJY265A-11WL	ZJY265A-15WL	
额定功率(kW)	15	5.5	7.5	11	5.5	7.5	11	15	
适配驱动单元 型号	GS/GR3150	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3075	GS/GR3100	GS/GR3148	GS/GR3150	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz								
额定电流(A)	32.8	12.8	17.7	25.2	16.3	21.4	30	36.3	
额定频率(Hz)	102.4	102.9	102.2	102.2	26.6	26.7	27.2	26.9	
额定转矩(N·m)	48	17.5	24	35	70	95.5	140	191	
30min 功率(kW)	18.5	7.5	11	15	7.5	11	15	18.5	
30min 电流(A)	39	16	23.3	31.7	20.8	30.1	41	43	
30min 转矩 (N·m)	59	24	35	48	95.5	140	191	235	
额定转速(r/min)	3000	3000	3000	3000	750	750	750	750	
恒功率范围(r/min)	3000~7000	3000~8000	3000~8000	3000~9500	750~4000	750~3500	750~3500	750~3500	
最高转速(r/min)	7000	12000	12000	12000	4500	4500	4500	4500	
转动惯量(kg·m ²)	0.0250	0.0093	0.0142	0.0196	0.0606	0.0743	0.0888	0.1145	
重 量(kg)	77	49	51	66	107	125	143	199	
安装型式	IM B5 或 B35				IM B5 或 B3				
冷却风机电源	三相 AC 380V~440V 50/60Hz 40W 0.14A				三相 AC 380V~440V 50/60Hz 70W 0.21A				
外形尺寸 (外形 图见 5.4)	A	208	208	208	208	265	265	265	265
	B	104	104	104	104	132	132	132	132
	C	160	160	160	160	185	185	185	185
	D	215	215	215	215	265	265	265	265
	E	80	80	80	80	110	110	110	110
	F	524	364	414	469	487	532	577	662
	G	395	235	285	340	347	392	437	522
	H	180h7	180h7	180h7	180h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	38h6	38h6	38h6	38h6	48h6	48h6	55h6	55h6
	K	212	212	212	212	256	256	256	256
	L	106	106	106	106	135	135	135	135
	N	180	180	180	180	230	230	230	230
	P	40	40	40	40	40	40	40	40
	Q	320	160	210	265	270	315	360	445
	S	80	80	80	80	110	110	110	110
T	5	5	5	5	5	5	5	5	
Z	12	12	12	12	15	15	15	15	

表 1 (续)

项 目	规 格								
	ZJY265A-7.5AM	ZJY265A-11AM	ZJY265A-15AM	ZJY265A-18.5AM	ZJY265A-11BL	ZJY265A-15BL	ZJY265A-7.5BM	ZJY265A-11BM	
额定功率(kW)	7.5	11	15	18.5	11	15	7.5	11	
适配驱动单元 型号	GS/GR3100	GS/GR3148	GS/GR3150	GS/GR3198	GS/GR3100	GS/GR3150	GS/GR3075	GS/GR3100	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz								
额定电流(A)	21.5	30.9	48.3	46.5	25.8	35	18	26	
额定频率(Hz)	35.2	35.2	35.1	35	52.1	52.3	52.3	52.2	
额定转矩(N·m)	72	105	143	177	70	95.5	48	70	
30min 功率(kW)	11	15	18.5	22	15	18.5	11	15	
30min 电流(A)	29	40.2	56	53	33.3	41.2	26	34	
30min 转矩(N·m)	105	143	177	210	95.5	118	70	95.5	
额定转速(r/min)	1000	1000	1000	1000	1500	1500	1500	1500	
恒功率范围(r/min)	1000~4500	1000~4500	1000~4500	1000~4500	1500~4500	1500~4500	1500~5000	1500~5500	
最高转速(r/min)	7000	7000	7000	7000	4500	4500	7000	7000	
转动惯量(kg·m ²)	0.0464	0.0734	0.0869	0.1043	0.0464	0.0599	0.0464	0.0599	
重 量(kg)	89	125	143	162	89	107	89	107	
安装型式	IM B5 或 B3								
冷却风机电源	三相 AC 380V~440V 50/60Hz 70W 0.21A								
外形 尺寸 (外形图 见 5.4)	A	265	265	265	265	265	265	265	
	B	132	132	132	132	132	132	132	
	C	185	185	185	185	185	185	185	
	D	265	265	265	265	265	265	265	
	E	110	110	110	110	110	110	110	
	F	442	532	577	632	442	487	442	487
	G	302	392	437	492	302	347	302	347
	H	230h7	230h7	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	48h6	48h6	48h6	55h6	48h6	48h6	48h6	48h6
	K	256	256	256	256	256	256	256	256
	L	135	135	135	135	135	135	135	135
	N	230	230	230	230	230	230	230	230
	P	40	40	40	40	40	40	40	40
Q	225	315	360	415	225	270	225	270	
S	110	110	110	110	110	110	110	110	
T	5	5	5	5	5	5	5	5	
Z	15	15	15	15	15	15	15	15	

表 1 (续)

项 目	规 格								
	ZJY265A-15BM	ZJY265A-18.5BM	ZJY265A-22BM	ZJY265A-30BM	ZJY265A-7.5BH	ZJY265A-11BH	ZJY265A-15BH	ZJY265A-15CM	
额定功率(kW)	15	18.5	22	30	7.5	11	15	15	
适配驱动单元型号	GS/GR3150	GS/GR3150	GS/GR3198	GS/GR3300	GS/GR3100	GS/GR3148	GS/GR3150	GS/GR3150	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz								
额定电流(A)	35	48.7	58	70.6	21	30	40.7	31.7	
额定频率(Hz)	51.9	51.8	51.7	51.7	51.7	51.7	51.7	68.3	
额定转矩(N·m)	95.5	118	140	191	48	70	95.5	71.6	
30min 功率(kW)	18.5	22	30	37	11	15	18.5	18.5	
30min 电流(A)	42	54.7	73	82.7	28.5	38.3	42.7	37.6	
30min 转矩(N·m)	118	140	191	235	70	95.5	118	88	
额定转速(r/min)	1500	1500	1500	1500	1500	1500	1500	2000	
恒功率范围(r/min)	1500~5500	1500~5500	1500~5500	1500~5500	1500~8000	1500~8500	1500~7500	2000~7000	
最高转速(r/min)	7000	7000	7000	7000	10000	10000	10000	7000	
转动惯量(kg·m ²)	0.0734	0.0878	0.1043	0.1145	0.0464	0.0599	0.0734	0.0599	
重 量(kg)	125	143	162	199	89	107	125	107	
安装型式	IM B5 或 B3								
冷却风机电源	三相 AC 380V~440V 50/60Hz 70W 0.21A								
外形尺寸 (外形图见 5.4)	A	265	265	265	265	265	265	265	265
	B	132	132	132	132	132	132	132	132
	C	185	185	185	185	185	185	185	185
	D	265	265	265	265	265	265	265	265
	E	110	110	110	110	110	110	110	110
	F	532	577	632	662	442	487	532	487
	G	392	437	492	522	302	347	392	347
	H	230h7	230h7	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	48h6	55h6	55h6	55h6	48h6	48h6	48h6	48h6
	K	256	256	256	256	256	256	256	256
	L	135	135	135	135	135	135	135	135
	N	230	230	230	230	230	230	230	230
	P	40	40	40	40	40	40	40	40
	Q	315	360	415	445	225	270	315	270
	S	110	110	110	110	110	110	110	110
T	5	5	5	5	5	5	5	5	
Z	15	15	15	15	15	15	15	15	

表 1 (续)

项 目	规 格							
	ZJY320-15WL	ZJY320-18.5WL	ZJY320-22WL	ZJY320-30BL	ZJY320-37BL	ZJY320-45BL	ZJY320-30BM	ZJY320-37BM
额定功率(kW)	15	18.5	22	30	37	45	30	37
适配驱动单元 型号	GS/GR3150	GS/GR3198	GS/GR3198	GS/GR3300	GS/GR3300	GS/GR3300	GS/GR3300	GS/GR3300
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz							
额定电流(A)	35	51	58	69	87	100	69	87
额定频率(Hz)	26.3	26.1	26	51.2	51.1	51.1	51.2	51.1
额定转矩(N·m)	191	235	280	191	235	286	191	235
30min 功率(kW)	22	22	30	37	45	55	37	45
30min 电流(A)	52	59	73	83	102	118	83	102
30min 转矩 (N·m)	280	280	381	235	286	352	235	286
额定转速(r/min)	750	750	750	1500	1500	1500	1500	1500
恒功率范围(r/min)	750~4500	750~4000	750~4000	1500~4500	1500~4500	1500~4000	1500~4500	1500~5000
最高转速(r/min)	4500	4500	4500	4500	4500	4500	6000	6000
转动惯量(kg·m ²)	0.24	0.2997	0.345	0.24	0.2997	0.348	0.24	0.2997
重 量(kg)	208	249	285	208	249	293	208	249
安装型式	IM B35							
冷却风机电源	三相 AC 380V~440V 50/60Hz 60W 0.22A							
外形尺寸 (外形图 见 5.4)	A	320	320	320	320	320	320	320
	C	193	193	193	193	193	193	193
	D	350	350	350	350	350	350	350
	E	140	140	140	140	140	140	140
	F	645	715	765	645	715	785	645
	G	459	529	579	459	529	599	459
	H	300h7	300h7	300h7	300h7	300h7	300h7	300h7
	I	19	19	19	19	19	19	19
	J	60h6	60h6	60h6	60h6	60h6	60h6	60h6
	L	165	165	165	165	165	165	165
	N	279	279	279	279	279	279	279
	P	50	50	50	50	50	50	50
	Q	380	450	500	380	450	520	380
T	5	5	5	5	5	5	5	
Z	18	18	18	18	18	18	18	

5.2 三相 220V 主轴电动机主要技术参数及外形尺寸见表 2。

表 2

项 目	规 格								
	ZJY182A-3.7BL	ZJY182A-5.5BL	ZJY182A-1.5BH	ZJY182A-2.2BH	ZJY182A-3.7BH	ZJY182A-5.5BH	ZJY182A-3.7EG	ZJY182A-5.5EG	ZJY182A-7.5EG
额定功率(kW)	3.7	5.5	1.5	2.2	3.7	5.5	3.7	5.5	7.5
适配驱动单元型号	GS/GR2075	GS/GR2100	GS/GR2050	GS/GR2050	GS/GR2100	GS/GR2100	GS/GR2100	GS/GR2100	GS/GR2148
驱动单元电源(V)	三相 AC 220V 50/60Hz								
额定电流(A)	17.9	23.9	10.7	12.9	23.5	30	20	28.8	35
额定频率(Hz)	53.7	53.5	53.9	53.6	53.1	53.5	103.2	103.3	103.2
额定转矩(N·m)	24	35	9.5	14	24	35	11.8	17.5	24
30min 功率(kW)	5.5	7.5	2.2	3.7	5.5	7.5	5.5	7.5	11
30min 电流(A)	25.2	31.1	17.6	20	36.4	40.7	26.7	35.8	47.3
30min 转矩(N·m)	35	48	14	24	35	48	17.5	24	35
额定转速(r/min)	1500	1500	1500	1500	1500	1500	3000	3000	3000
恒功率范围(r/min)	1500~4500	1500~4500	1500~7000	1500~7000	1500~7500	1500~7000	3000~12000	3000~12000	3000~11000
最高转速(r/min)	4500	4500	10000	10000	10000	10000	15000	15000	15000
转动惯量(kg·m ²)	0.0068	0.0102	0.0040	0.0054	0.0083	0.0102	0.0054	0.0068	0.0083
重 量(kg)	37	52	27	32	43	52	32	37	43
安装型式	IM B5 或 B35								
冷却风机电源	三相 AC 220V 50/60Hz 37W 0.1A								
外形尺寸 (外形图见 5.4)	A	182	182	182	182	182	182	182	182
	B	91	91	91	91	91	91	91	91
	C	123	123	123	123	123	123	123	123
	D	185	185	185	185	185	185	185	185
	E	60	60	60	60	60	60	60	60
	F	371	436	319	346	401	436	346	371
	G	249	314	197	224	279	314	224	249
	H	150h7	150h7	150h7	150h7	150h7	150h7	150h7	150h7
	I	12	12	12	12	12	12	12	12
	J	28h6	28h6	28h6	28h6	28h6	28h6	28h6	28h6
	K	158	158	158	158	158	158	158	158
	L	93	93	93	93	93	93	93	93
	N	156	156	156	156	156	156	156	156
	P	32	32	32	32	32	32	32	32
	Q	184	249	132	159	214	249	159	184
	S	60	60	60	60	60	60	60	60
T	4	4	4	4	4	4	4	4	
Z	12	12	12	12	12	12	12	12	

表 2 (续)

项 目	规 格							
	ZJY208A-3.7WL	ZJY208A-2.2AM	ZJY208A-3.7AM	ZJY208A-5.5AM	ZJY208A-5.5BL	ZJY208A-7.5BL	ZJY208A-9BL	ZJY208A-3.7BM
额定功率(kW)	3.7	2.2	3.7	5.5	5.5	7.5	9	3.7
适配驱动单元型号	GS/GR2075	GS/GR2050	GS/GR2075	GS/GR2100	GS/GR2100	GS/GR2100	GS/GR2148	GS/GR2075
驱动单元电源(V)	三相 AC 220V 50/60Hz							
额定电流(A)	19.6	11.6	17.7	28.2	22.4	31	37.5	14.9
额定频率(Hz)	27.3	35.7	35.7	35.7	53.3	52.9	52.6	52.9
额定转矩(N·m)	47	21	35	53	35	48	57.3	24
30min 功率(kW)	5.5	3.7	5.5	7.5	7.5	11	12	5.5
30min 电流(A)	27.3	18.4	24.6	35.5	28	41.3	46.2	22
30min 转矩(N·m)	70	35	53	72	48	70	76.4	35
额定转速(r/min)	750	1000	1000	1000	1500	1500	1500	1500
恒功率范围(r/min)	750~4000	1000~4500	1000~5000	1000~5000	1500~4500	1500~4500	1500~4500	1500~5500
最高转速(r/min)	4500	7000	7000	7000	4500	4500	4500	7000
转动惯量(kg·m ²)	0.0250	0.0142	0.0196	0.0250	0.0143	0.0196	0.0250	0.0142
重 量(kg)	77	51	66	77	51.5	66	77	51
安装型式	IM B5 或 B35							
冷却风机电源	三相 AC 220V 50/60Hz 40W 0.14A							
外形尺寸 (外形图见 5.4)	A	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215
	E	80	60	80	80	80	80	80
	F	524	414	469	524	414	469	524
	G	395	285	340	395	285	340	395
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14
	J	38h6	28h6	38h6	38h6	38h6	38h6	38h6
	K	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40
	Q	320	210	265	320	210	265	320
	S	80	60	80	80	80	80	80
T	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	

表 2 (续)

项 目	规 格								
	ZJY208A-5.5BM	ZJY208A-7.5BM	ZJY208A-2.2BH	ZJY208A-3.7BH	ZJY208A-5.5BH	ZJY208A-7.5BH	ZJY208A-11CM	ZJY208A-5.5CF	
额定功率(kW)	5.5	7.5	2.2	3.7	5.5	7.5	11	5.5	
适配驱动单元 型号	GS/GR2100	GS/GR2100	GS/GR2075	GS/GR2100	GS/GR2100	GS/GR2148	GS/GR2200	GS/GR2100	
驱动单元电源(V)	三相 AC 220V 50/60Hz								
额定电流(A)	22.5	29.4	15.3	21.8	31.8	38.9	48.9	33	
额定频率(Hz)	52.4	52.7	52.6	52.5	52.4	52.6	69.1	69	
额定转矩(N·m)	35	48	14	24	35	48	52.6	26.3	
30min 功率(kW)	7.5	11	3.7	5.5	7.5	11	15	7.5	
30min 电流(A)	29.3	42.6	23.9	31.2	41.6	50.7	62.7	45.6	
30min 转矩 (N·m)	48	70	24	35	48	70	71.6	35.8	
额定转速(r/min)	1500	1500	1500	1500	1500	1500	2000	2000	
恒功率范围(r/min)	1500~5500	1500~5500	1500~8500	1500~8500	1500~8500	1500~8500	2000~7000	2000~10000	
最高转速(r/min)	7000	7000	10000	10000	10000	10000	7000	12000	
转动惯量(kg·m ²)	0.0196	0.0250	0.0093	0.0142	0.0196	0.0250	0.0256	0.0142	
重 量(kg)	66	77	49	51	66	77	77.5	51	
安装型式	IM B5 或 B35								
冷却风机电源	三相 AC 220V 50/60Hz 40W 0.14A								
外形 尺寸 (外形 图见 5.4)	A	208	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215	215
	E	80	80	60	60	80	80	110	80
	F	469	524	364	414	469	524	524	414
	G	340	395	235	285	340	395	395	285
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14	14
	J	38h6	38h6	28h6	28h6	38h6	38h6	48h6	38h6
	K	212	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40	40
	Q	265	320	160	210	265	320	320	210
	S	80	80	53	60	80	80	110	60
T	5	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	12	

表 2 (续)

项 目	规 格									
	ZJY208A-7.5CF	ZJY208A-11CF	ZJY208A-5.5EF	ZJY208A-7.5EF	ZJY208A-11EF	ZJY265A-5.5WL	ZJY265A-7.5WL	ZJY265A-11WL	ZJY265A-7.5AM	
额定功率(kW)	7.5	11	5.5	7.5	11	5.5	7.5	11	7.5	
适配驱动单元型号	GS/GR2148	GS/GR2200	GS/GR2100	GS/GR2100	GS/GR2148	GS/GR2100	GS/GR2148	GS/GR2200	GS/GR2148	
驱动单元电源(V)	三相 AC 220V 50/60Hz									
额定电流(A)	44.7	48.9	22.2	30.7	43.7	28.2	37	51.4	36.9	
额定频率(Hz)	69	69.1	102.9	102.2	102.2	26.6	26.7	27.2	35.2	
额定转矩(N·m)	35.8	52.6	17.5	24	35	70	95.5	140	72	
30min 功率(kW)	11	15	7.5	11	15	7.5	11	15	11	
30min 电流(A)	60.4	62.7	28	40.4	55	36.9	49	62.8	52.9	
30min 转矩(N·m)	52.5	71.6	24	35	48	95.5	140	191	105	
额定转速(r/min)	2000	2000	3000	3000	3000	750	750	750	1000	
恒功率范围(r/min)	2000~10000	2000~10000	3000~8000	3000~8000	3000~9500	750~4000	750~3500	750~3500	1000~4500	
最高转速(r/min)	12000	12000	12000	12000	12000	4500	4500	4500	7000	
转动惯量(kg·m ²)	0.0196	0.0256	0.0093	0.0142	0.0196	0.0606	0.0743	0.0888	0.0464	
重 量(kg)	66	77.5	49	51	66	107	125	143	89	
安装型式	IM B5 或 B35					IM B5 或 B3				
冷却风机电源	三相 AC 220V 50/60Hz 40W 0.14A					三相 AC 220V 50/60Hz 70W 0.21A				
外形尺寸 (外形图见 5.4)	A	208	208	208	208	208	265	265	265	265
	B	104	104	104	104	104	132	132	132	132
	C	160	160	160	160	160	185	185	185	185
	D	215	215	215	215	215	265	265	265	265
	E	80	110	80	80	80	110	110	110	110
	F	469	524	364	414	469	487	532	577	442
	G	340	395	235	285	340	347	392	437	302
	H	180h7	180h7	180h7	180h7	180h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14	14
	J	38h6	48h6	38h6	38h6	38h6	48h6	48h6	55h6	48h6
	K	212	212	212	212	212	256	256	256	256
	L	106	106	106	106	106	135	135	135	135
	N	180	180	180	180	180	230	230	230	230
	P	40	40	40	40	40	40	40	40	40
	Q	265	320	160	210	265	270	315	360	225
	S	80	110	80	80	80	110	110	110	110
T	5	5	5	5	5	5	5	5	5	
Z	12	12	12	12	12	15	15	15	15	

表 2 (续)

项 目	规 格								
	ZJY265A-11AM	ZJY265A-11BL	ZJY265A-15BL	ZJY265A-7.5BM	ZJY265A-11BM	ZJY265A-15BM	ZJY265A-7.5BH	ZJY265A-11BH	ZJY265A-15BH
额定功率(kW)	11	11	15	7.5	11	15	7.5	11	15
适配驱动单元型号	GS/GR2200	GS/GR2148	GS/GR2200	GS/GR2100	GS/GR2148	GS/GR2200	GS/GR2148	GS/GR2200	GS/GR2200
驱动单元电源(V)	三相 AC 220V 50/60Hz								
额定电流(A)	53.5	44.7	60.5	31	44.7	62.3	36.5	51.9	70.5
额定频率(Hz)	35.2	52.1	52.3	52.3	52.2	51.9	51.7	51.7	51.7
额定转矩(N·m)	105	70	95.5	48	70	95.5	48	70	95.5
30min 功率(kW)	15	15	18.5	11	15	18.5	11	15	18.5
30min 电流(A)	68	56	73	39	53	71.8	47.4	64.5	85
30min 转矩(N·m)	145	95.5	118	70	95.5	118	70	95.5	118
额定转速(r/min)	1000	1500	1500	1500	1500	1500	1500	1500	1500
恒功率范围(r/min)	1000~4500	1500~4500	1500~4500	1500~5000	1500~5500	1500~5500	1500~8000	1500~8500	1500~7500
最高转速(r/min)	7000	4500	4500	7000	7000	7000	10000	10000	10000
转动惯量(kg·m ²)	0.0734	0.0464	0.0599	0.0464	0.0599	0.0734	0.0464	0.0599	0.0734
重 量(kg)	125	89	107	89	107	125	89	107	125
安装型式	IM B5 或 B3								
冷却风机电源	三相 AC 220V 50/60Hz 70W 0.21A								
外形尺寸 (外形图见 5.4)	A	265	265	265	265	265	265	265	265
	B	132	132	132	132	132	132	132	132
	C	185	185	185	185	185	185	185	185
	D	265	265	265	265	265	265	265	265
	E	110	110	110	110	110	110	110	110
	F	532	442	487	442	487	532	442	487
	G	392	302	347	302	347	392	302	347
	H	230h7	230h7	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	48h6	48h6	48h6	48h6	48h6	48h6	48h6	48h6
	K	256	256	256	256	256	256	256	256
	L	135	135	135	135	135	135	135	135
	N	230	230	230	230	230	230	230	230
	P	40	40	40	40	40	40	40	40
Q	315	225	270	225	270	315	225	270	
S	110	110	110	110	110	110	110	110	
T	5	5	5	5	5	5	5	5	
Z	15	15	15	15	15	15	15	15	

5.3 双速主轴电动机主要技术参数及外形尺寸见表 3。

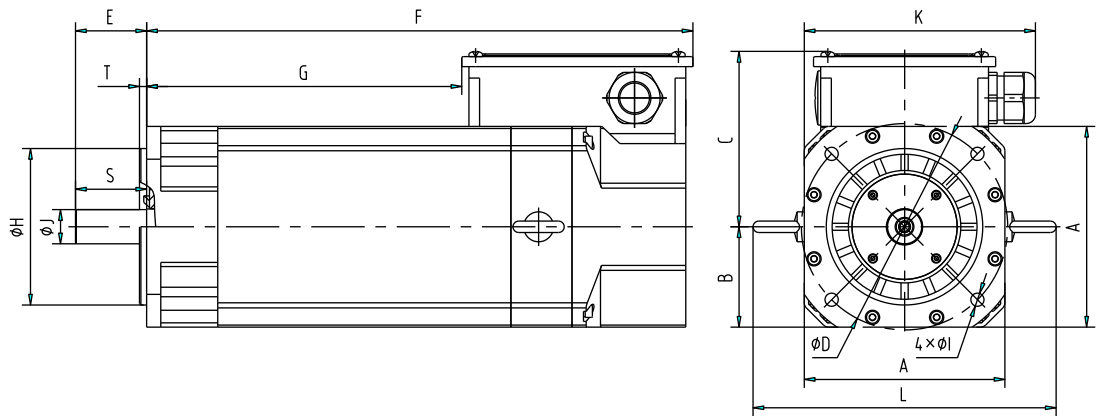
表 3

项 目	规 格							
	ZJY265A-4.4VMD		ZJY265A-6VMD		ZJY265A-7.5VMD		ZJY265A-9VMD	
绕组接法	Y(低速线圈)	△(高速线圈)	Y(低速线圈)	△(高速线圈)	Y(低速线圈)	△(高速线圈)	Y(低速线圈)	△(高速线圈)
额定功率(kW)	4.4	5.5	6	7.5	7.5	9	9	11
适配驱动单元型号	GS/GR3075		GS/GR3075		GS/GR3100		GS/GR3150	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz							
额定电流(A)	12.9	21.9	17.6	30.1	23.6	39.2	27.8	46.7
额定频率(Hz)	21.8	26.8	21.9	26.9	21.8	26.7	21.8	26.7
额定转矩(N·m)	70	70	95.5	95.5	119	115	143	140
30min 功率(kW)	8	7.5	11	9	13.5	11	18	15
30min 电流(A)	22.2	27.1	29.8	34.3	36	47.7	47	58.8
30min 转矩(N·m)	127	95.5	175	115	214	140	286	191
额定转速(r/min)	600	750	600	750	600	750	600	750
恒功率范围(r/min)	600~1500	750~5500	600~1500	750~6000	600~1500	750~6000	600~1500	750~4000
最高转速(r/min)	1500	7000	1500	7000	1500	7000	1500	7000
转动惯量(kg·m ²)	0.0599		0.0734		0.0878		0.1043	
重 量(kg)	107		125		143		162	
安装型式	IM B5 或 B3							
冷却风机电源	三相 AC 380V~440V 50/60Hz 70W 0.21A							
外形尺寸 (外形图见 5.4)	A	265	265	265	265	265	265	265
	B	132	132	132	132	132	132	132
	C	185	185	185	185	185	185	185
	D	265	265	265	265	265	265	265
	E	110	110	110	110	110	110	110
	F	487	532	532	577	577	632	632
	G	347	392	392	437	437	492	492
	H	230h7	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14
	J	48h6	48h6	48h6	55h6	55h6	55h6	55h6
	K	256	256	256	256	256	256	256
	L	135	135	135	135	135	135	135
	N	230	230	230	230	230	230	230
	P	40	40	40	40	40	40	40
Q	270	315	315	360	360	415	415	
S	110	110	110	110	110	110	110	
T	5	5	5	5	5	5	5	
Z	15	15	15	15	15	15	15	

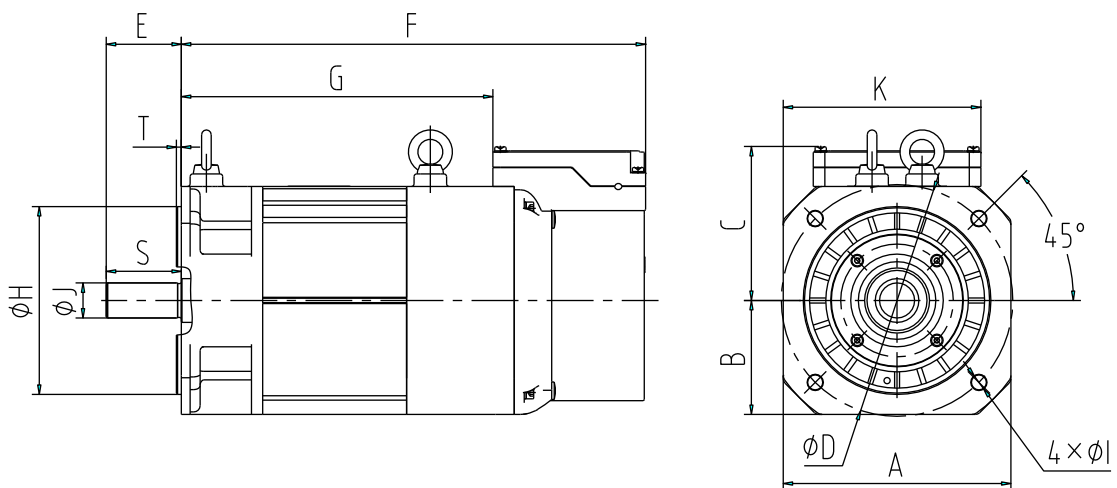
表 3 (续)

项 目	规 格			
	ZJY320-15VLD		ZJY320-22VMD	
绕组接法	Y(低速线圈)	△(高速线圈)	Y(低速线圈)	△(高速线圈)
额定功率(kW)	15	18.5	22	22
适配驱动单元型号	GS/GR3198		GS/GR3300	
驱动单元电源(V)	三相 AC 380V~440V 50/60Hz			
额定电流(A)	39	47	59	60.2
额定频率(Hz)	21.3	40.7	21.5	40.8
额定转矩(N·m)	238	147	350	175
30min 功率(kW)	22	22	30	30
30min 电流(A)	54	53	82	76.7
30min 转矩(N·m)	350	175	478	239
额定转速(r/min)	600	1200	600	1200
恒功率范围(r/min)	600~1500	1200~4500	600~1500	1200~5500
最高转速(r/min)	1500	4500	1500	6000
转动惯量(kg·m ²)	0.2997		0.388	
重 量(kg)	249		309	
安装型式	IM B35			
冷却风机电源	三相 AC 380V~440V 50/60Hz 60W 0.22A			
外形尺寸 (外形图见 5.4)	A	320		320
	C	193		193
	D	350		350
	E	140		140
	F	715		815
	G	529		629
	H	300h7		300h7
	I	19		19
	J	60h6		60h6
	L	165		165
	N	279		279
	P	50		50
	Q	450		550
Z	18		18	

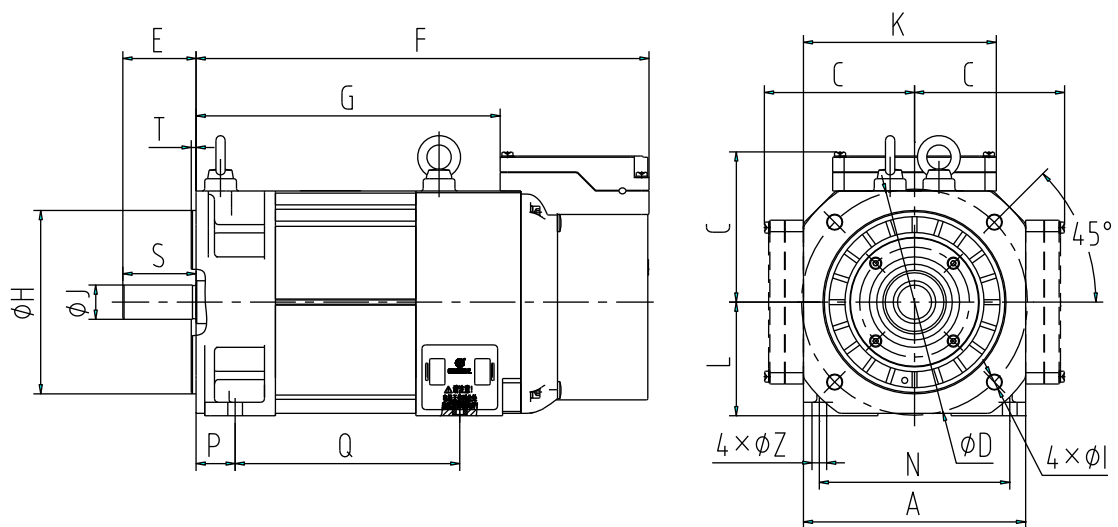
5.4 主轴电动机各安装型式外形图



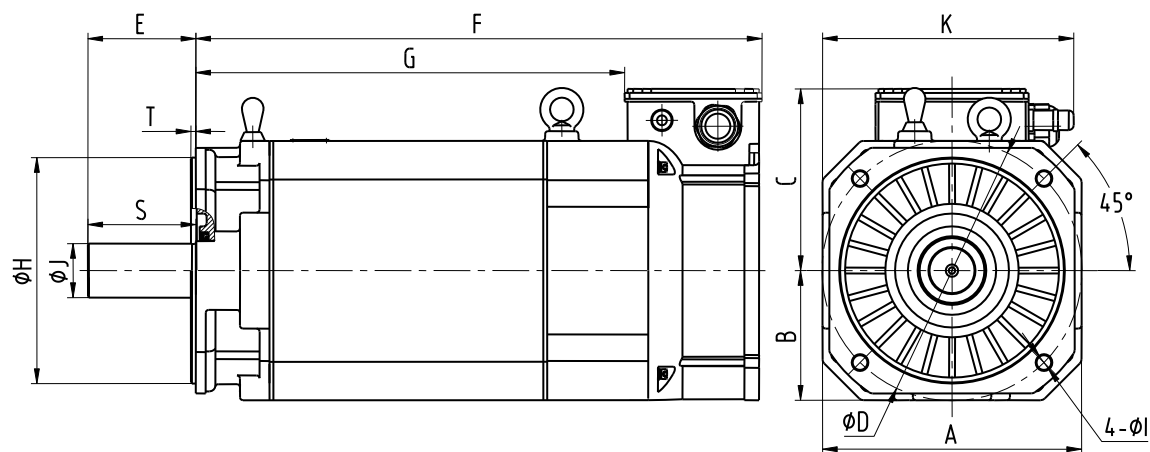
ZJY141A 系列凸缘安装型式 (B5)



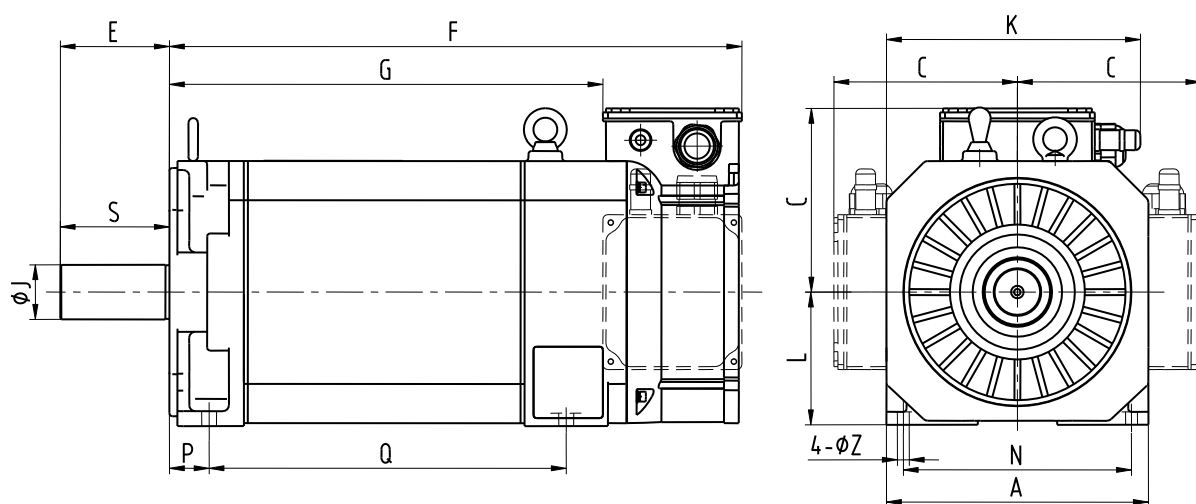
ZJY182A 系列凸缘安装型式 (B5)



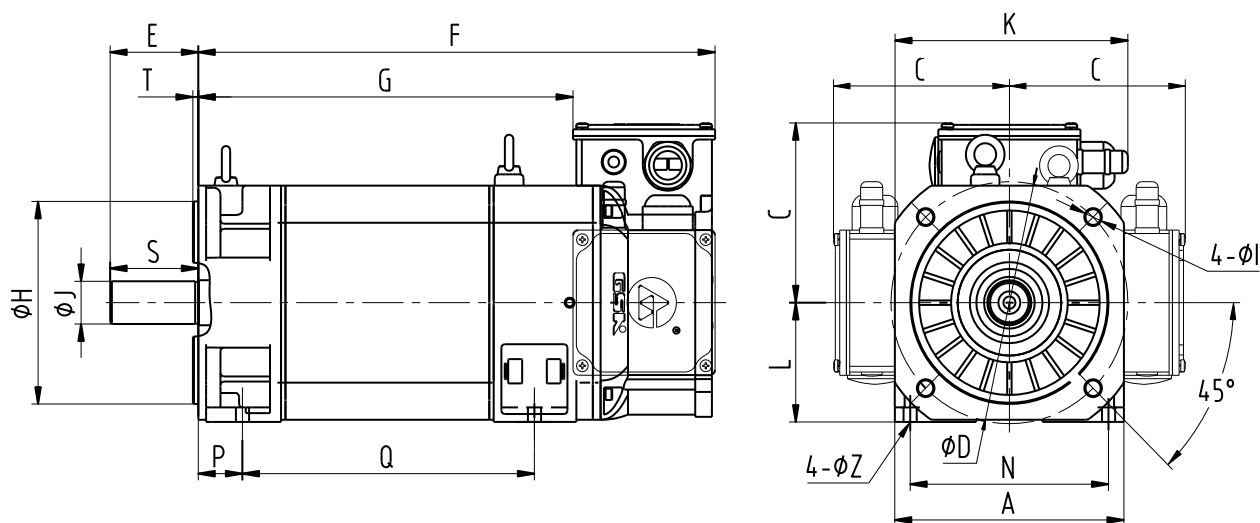
ZJY182A 系列凸缘底脚安装型式 (B35) 及左右出线方式



ZJY208A、ZJY265A 系列凸缘安装型式 (B5)



ZJY265A 系列底脚安装型式 (B3) 及左右出线方式



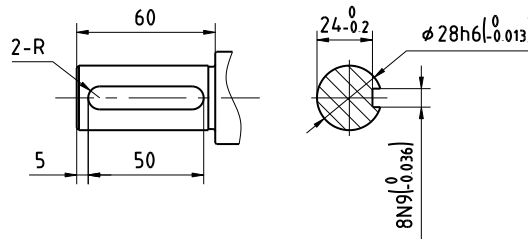
ZJY208A、ZJY320 系列凸缘底脚安装型式 (B35) 及左右出线方式

6 标准键槽尺寸

6.1 ZJY182A-3.7BL、ZJY182A-5.5BL、ZJY208A-3.7BM、ZJY208A-2.2AM

所配键：GB/T 1096 键 8×7×50

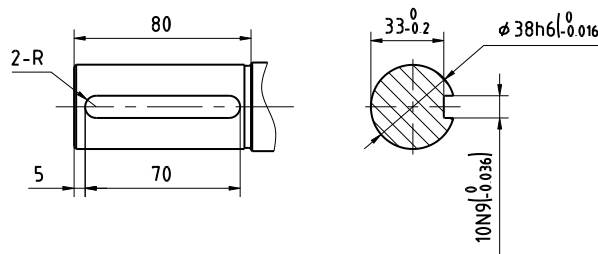
轴伸键槽尺寸见下图，转轴端面中心螺孔 M10×20



6.2 ZJY208A-5.5BM、ZJY208A-7.5BM、ZJY208A-3.7AM、ZJY208A-3.7WL、ZJY208A-5.5AM、ZJY208A-5.5BL、ZJY208A-7.5BL、ZJY208A-15EM。

所配键：GB/T 1096 键 10×8×70

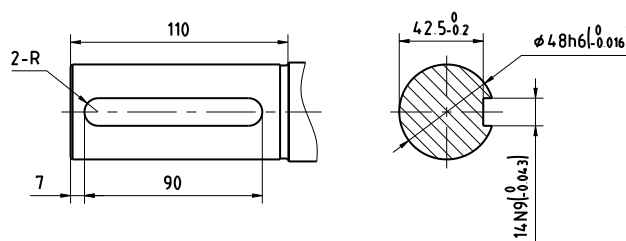
轴伸键槽尺寸见下图，转轴端面中心螺孔 M10×20



6.3 ZJY265A-5.5WL、ZJY265A-7.5WL、ZJY265A-7.5BM、ZJY265A-11BM、ZJY265A-15BM、ZJY265A-15CM、ZJY265A-11BL、ZJY265A-15BL、ZJY265A-7.5AM、ZJY265A-11AM、ZJY265A-15AM、ZJY208A-11CM、ZJY208A-9BL、ZJY265A-4.4VMD、ZJY265A-6VMD

所配键：GB/T 1096 键 14×9×90

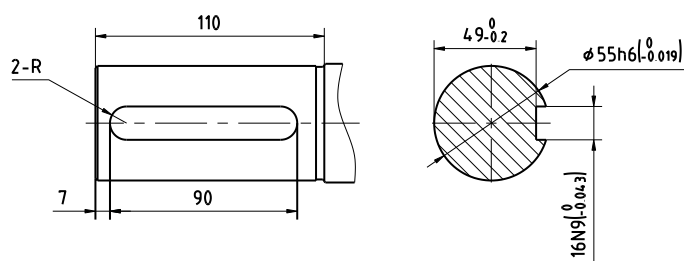
轴伸键槽尺寸见下图，转轴端面中心螺孔 M10×20



6.5 ZJY265A-11WL、ZJY265A-15WL、ZJY265A-18.5AM、ZJY265A-18.5BM、ZJY265A-22BM、ZJY265A-7.5VMD、ZJY265A-9VMD

所配键：GB/T 1096 键 16×10×90

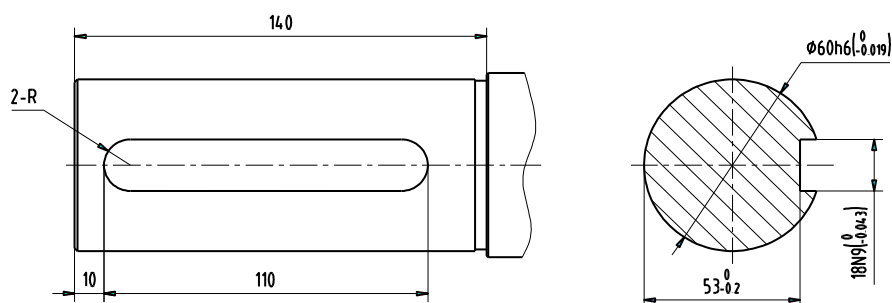
轴伸键槽尺寸见下图，转轴端面中心螺孔 M10×20



6.6 ZJY320-15WL、ZJY320-18.5WL、ZJY320-22WL、ZJY320-30BL、ZJY320-37BL、ZJY320-45BL、ZJY320-30BM、ZJY320-37BM、ZJY320-15VLD、ZJY320-22VMD

所配键：GB/T 1096 键 18×11×110

轴伸键槽尺寸见下图，转轴端面中心螺孔 M10×20

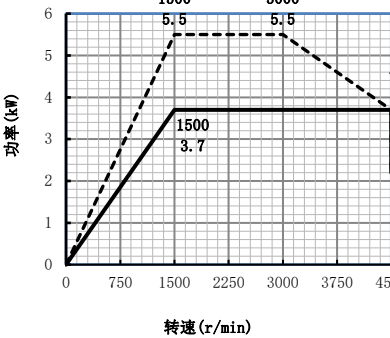
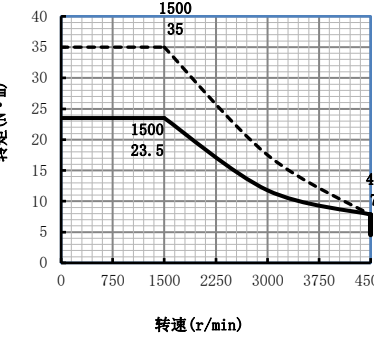
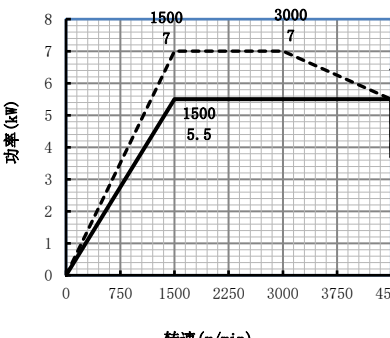
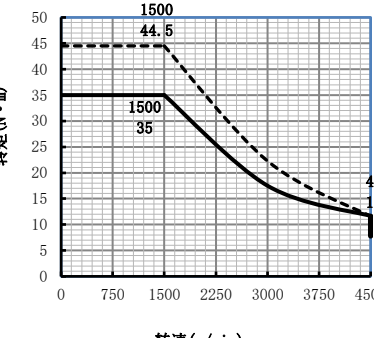
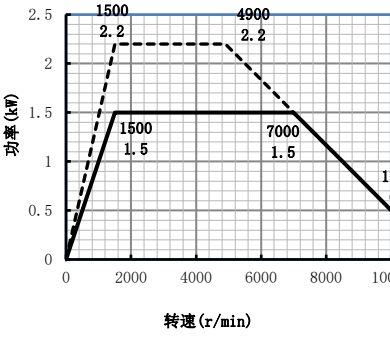
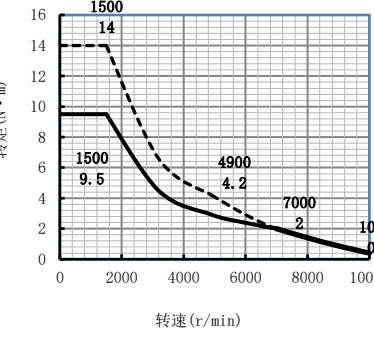
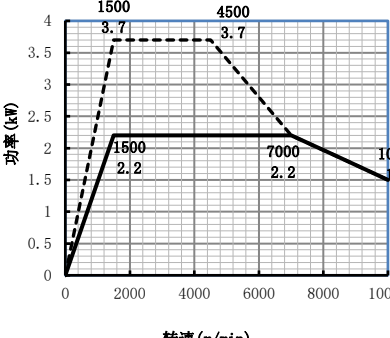
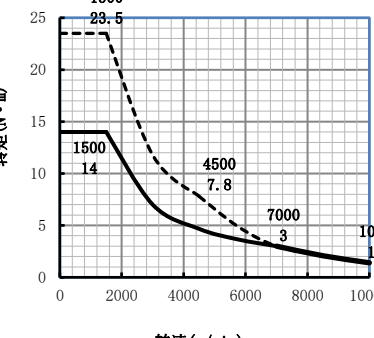


7 电动机机械特性曲线

—— 连续工作状态的功率或转矩；
 - - - - 30分钟工作状态的功率或转矩。

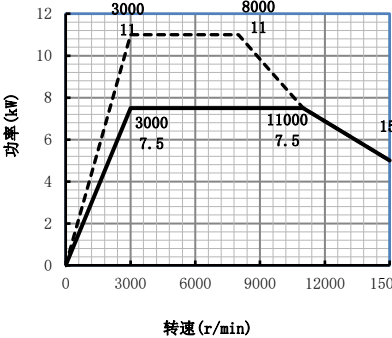
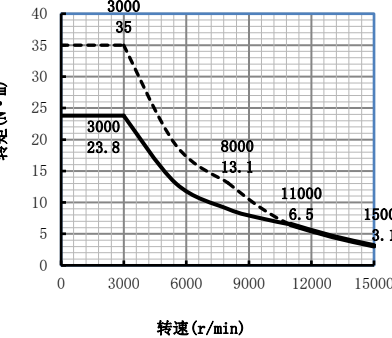
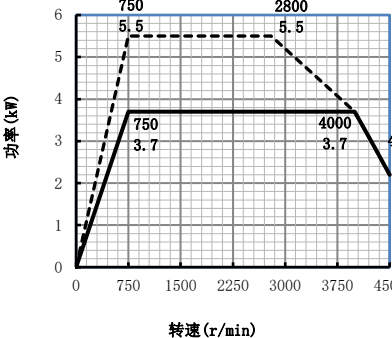
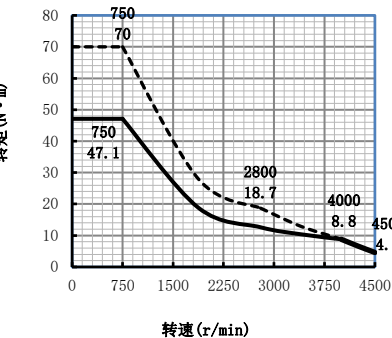
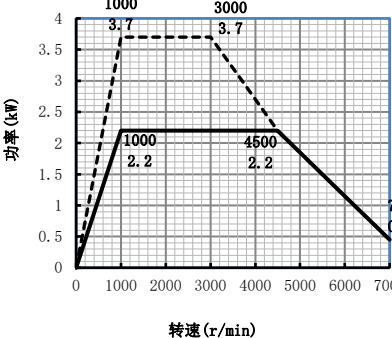
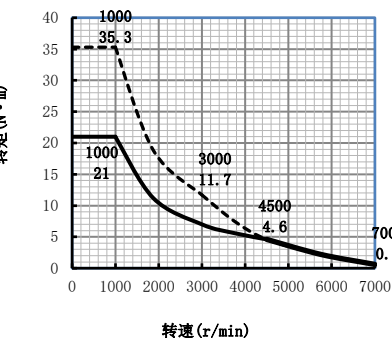
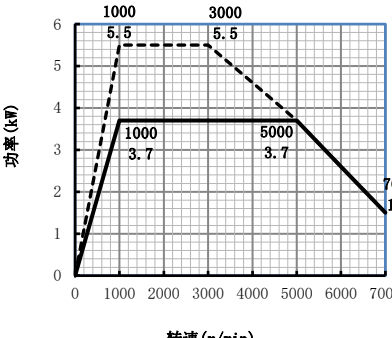
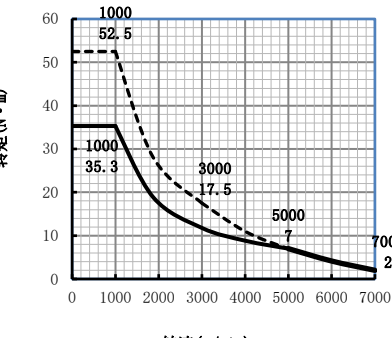
电机型号	功率曲线	转矩曲线
ZJY141A-1.5EG		
ZJY141A-2.2EG		
ZJY141A-3.7EN		
ZJY141A-5.5HN		

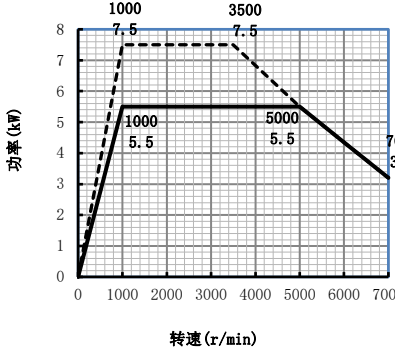
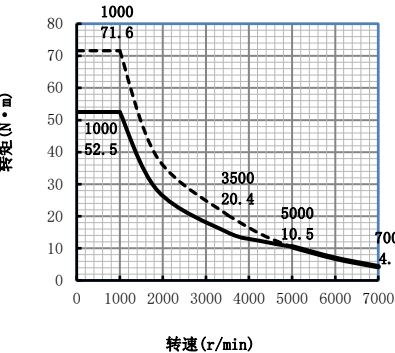
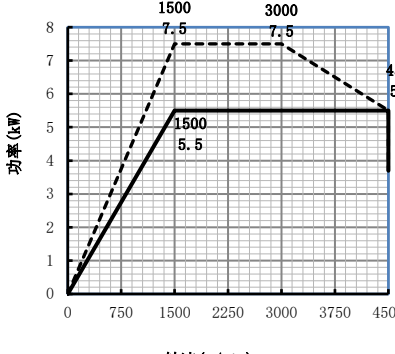
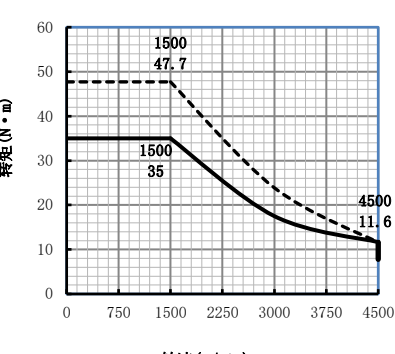
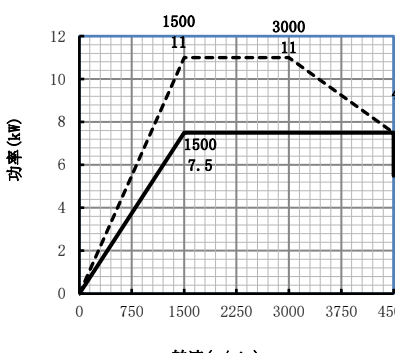
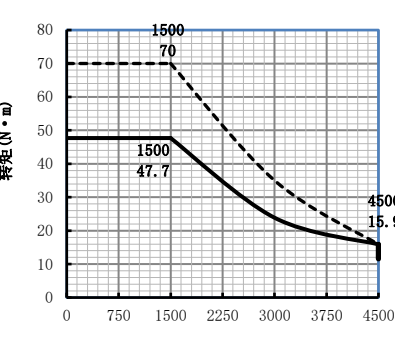
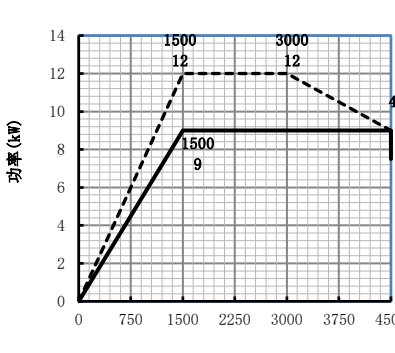
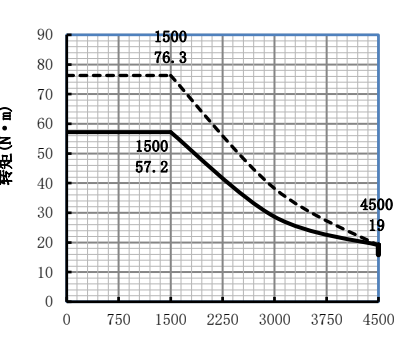
标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线																								
ZJY182A-3.7BL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 3.7 kW，在 1500 r/min 和 3000 r/min 时达到。实线表示实际功率，在 1500 r/min 时为 3.7 kW，在 4500 r/min 时为 3.7 kW。</p> <table border="1"> <caption>功率曲线数据 (ZJY182A-3.7BL)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>3.7</td></tr> <tr><td>3000</td><td>3.7</td></tr> <tr><td>4500</td><td>3.7</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW)	0	0	1500	3.7	3000	3.7	4500	3.7	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 23.5 N·m，在 1500 r/min 时达到。实线表示实际转矩，在 1500 r/min 时为 23.5 N·m，在 4500 r/min 时为 7.8 N·m。</p> <table border="1"> <caption>转矩曲线数据 (ZJY182A-3.7BL)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>23.5</td></tr> <tr><td>4500</td><td>7.8</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	23.5	4500	7.8						
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ZJY182A-5.5BL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 5.5 kW，在 1500 r/min 和 3000 r/min 时达到。实线表示实际功率，在 1500 r/min 时为 5.5 kW，在 4500 r/min 时为 5.5 kW。</p> <table border="1"> <caption>功率曲线数据 (ZJY182A-5.5BL)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>5.5</td></tr> <tr><td>3000</td><td>5.5</td></tr> <tr><td>4500</td><td>5.5</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW)	0	0	1500	5.5	3000	5.5	4500	5.5	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 35 N·m，在 1500 r/min 时达到。实线表示实际转矩，在 1500 r/min 时为 35 N·m，在 4500 r/min 时为 11.6 N·m。</p> <table border="1"> <caption>转矩曲线数据 (ZJY182A-5.5BL)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>35</td></tr> <tr><td>4500</td><td>11.6</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	35	4500	11.6						
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ZJY182A-1.5BH	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 1.5 kW，在 1500 r/min 和 4900 r/min 时达到。实线表示实际功率，在 1500 r/min 时为 1.5 kW，在 7000 r/min 时为 1.5 kW，在 10000 r/min 时为 0.5 kW。</p> <table border="1"> <caption>功率曲线数据 (ZJY182A-1.5BH)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>1.5</td></tr> <tr><td>4900</td><td>1.5</td></tr> <tr><td>7000</td><td>1.5</td></tr> <tr><td>10000</td><td>0.5</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW)	0	0	1500	1.5	4900	1.5	7000	1.5	10000	0.5	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 9.5 N·m，在 1500 r/min 时达到。实线表示实际转矩，在 1500 r/min 时为 9.5 N·m，在 4900 r/min 时为 4.2 N·m，在 7000 r/min 时为 2 N·m，在 10000 r/min 时为 0.4 N·m。</p> <table border="1"> <caption>转矩曲线数据 (ZJY182A-1.5BH)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>9.5</td></tr> <tr><td>4900</td><td>4.2</td></tr> <tr><td>7000</td><td>2</td></tr> <tr><td>10000</td><td>0.4</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	9.5	4900	4.2	7000	2	10000	0.4
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ZJY182A-2.2BH	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 2.2 kW，在 1500 r/min 和 4500 r/min 时达到。实线表示实际功率，在 1500 r/min 时为 2.2 kW，在 7000 r/min 时为 2.2 kW，在 10000 r/min 时为 1.5 kW。</p> <table border="1"> <caption>功率曲线数据 (ZJY182A-2.2BH)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>2.2</td></tr> <tr><td>4500</td><td>2.2</td></tr> <tr><td>7000</td><td>2.2</td></tr> <tr><td>10000</td><td>1.5</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW)	0	0	1500	2.2	4500	2.2	7000	2.2	10000	1.5	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 14 N·m，在 1500 r/min 时达到。实线表示实际转矩，在 1500 r/min 时为 14 N·m，在 4500 r/min 时为 7.8 N·m，在 7000 r/min 时为 3 N·m，在 10000 r/min 时为 1.4 N·m。</p> <table border="1"> <caption>转矩曲线数据 (ZJY182A-2.2BH)</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>14</td></tr> <tr><td>4500</td><td>7.8</td></tr> <tr><td>7000</td><td>3</td></tr> <tr><td>10000</td><td>1.4</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	14	4500	7.8	7000	3	10000	1.4
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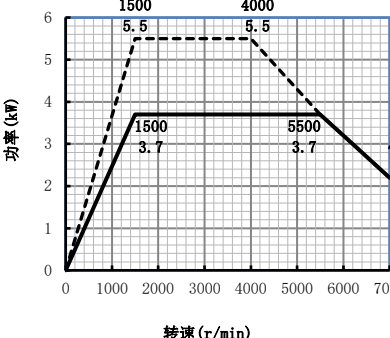
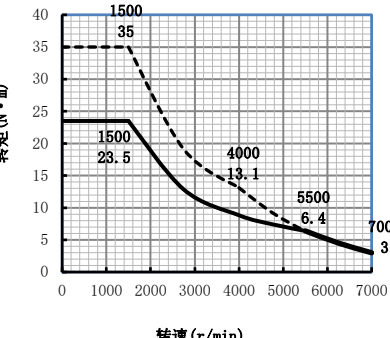
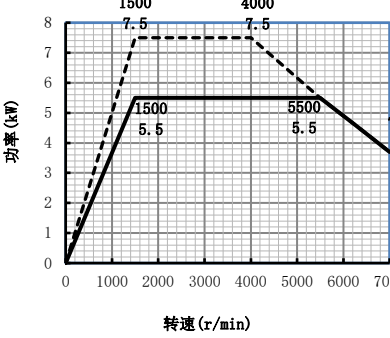
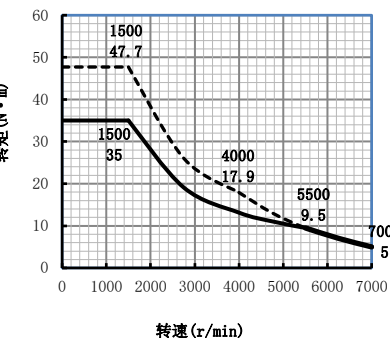
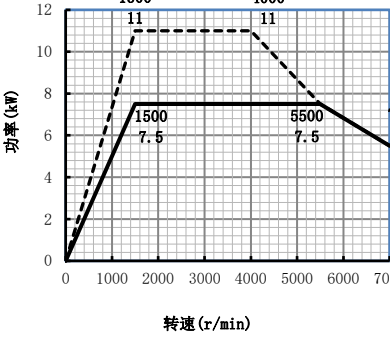
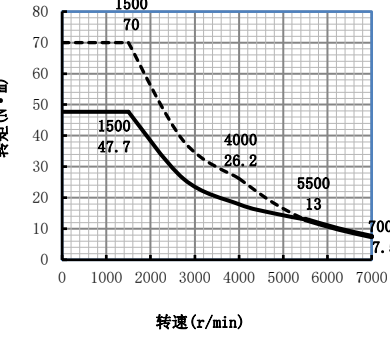
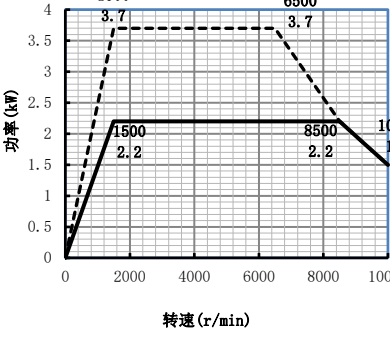
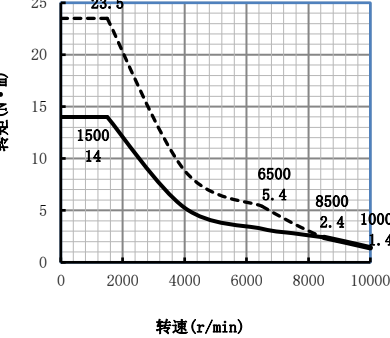
电机型号	功率曲线	转矩曲线
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ZJY182A-5.5BH		
ZJY182A-3.7EG		
ZJY182A-5.5EG		

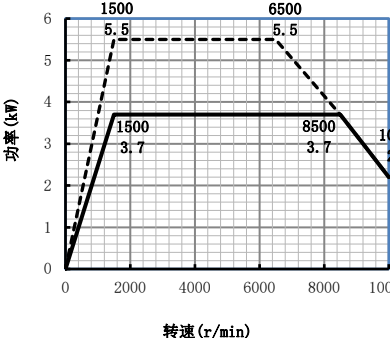
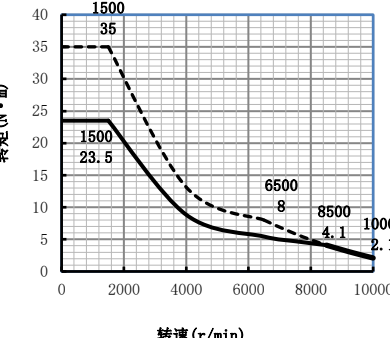
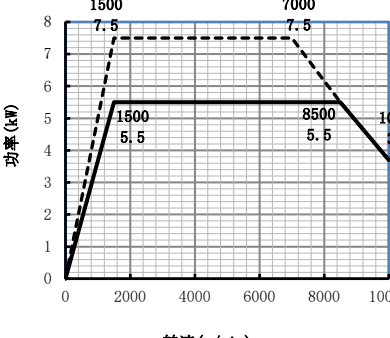
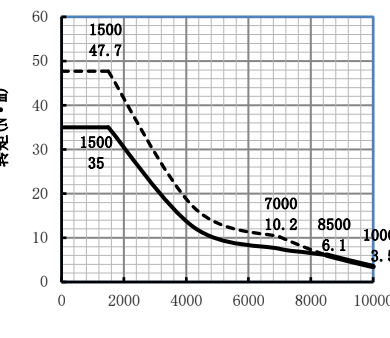
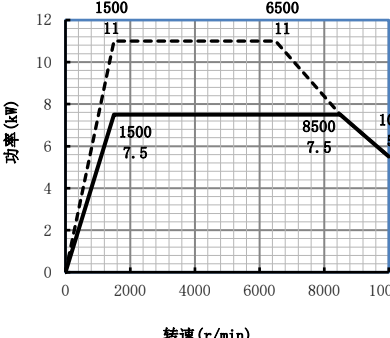
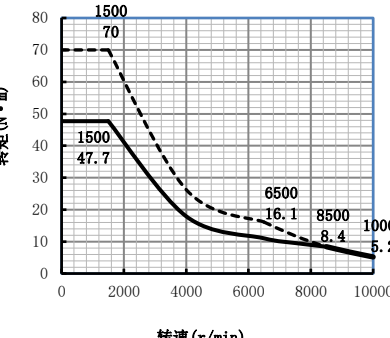
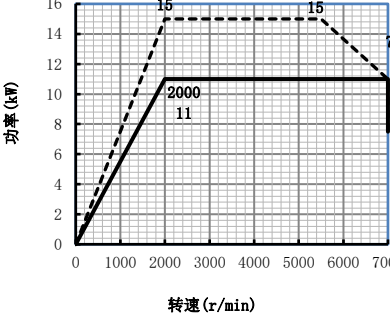
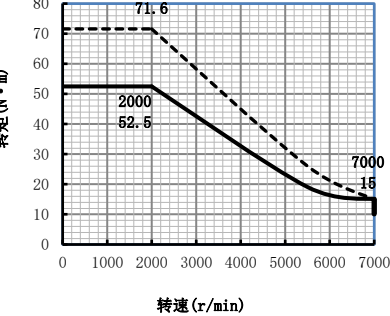
标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线																																				
ZJY182A-7.5EG	 <p>功率(kW) vs 转速(r/min) for ZJY182A-7.5EG. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key points are labeled at 3000, 8000, 11000, and 15000 rpm.</p> <table border="1"> <caption>Power Curve Data for ZJY182A-7.5EG</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW) (Solid Line)</th> <th>功率 (kW) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>3000</td><td>7.5</td><td>11</td></tr> <tr><td>8000</td><td>7.5</td><td>11</td></tr> <tr><td>11000</td><td>7.5</td><td>11</td></tr> <tr><td>15000</td><td>5</td><td>11</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW) (Solid Line)	功率 (kW) (Dashed Line)	0	0	0	3000	7.5	11	8000	7.5	11	11000	7.5	11	15000	5	11	 <p>转矩(N·m) vs 转速(r/min) for ZJY182A-7.5EG. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key points are labeled at 3000, 8000, 11000, and 15000 rpm.</p> <table border="1"> <caption>Torque Curve Data for ZJY182A-7.5EG</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m) (Solid Line)</th> <th>转矩 (N·m) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>3000</td><td>23.8</td><td>35</td></tr> <tr><td>8000</td><td>13.1</td><td>35</td></tr> <tr><td>11000</td><td>6.5</td><td>35</td></tr> <tr><td>15000</td><td>3.1</td><td>35</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m) (Solid Line)	转矩 (N·m) (Dashed Line)	0	0	0	3000	23.8	35	8000	13.1	35	11000	6.5	35	15000	3.1	35
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ZJY208A-3.7WL	 <p>功率(kW) vs 转速(r/min) for ZJY208A-3.7WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key points are labeled at 750, 2800, 4000, and 4500 rpm.</p> <table border="1"> <caption>Power Curve Data for ZJY208A-3.7WL</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW) (Solid Line)</th> <th>功率 (kW) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>750</td><td>3.7</td><td>5.5</td></tr> <tr><td>2800</td><td>3.7</td><td>5.5</td></tr> <tr><td>4000</td><td>3.7</td><td>5.5</td></tr> <tr><td>4500</td><td>2.2</td><td>5.5</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW) (Solid Line)	功率 (kW) (Dashed Line)	0	0	0	750	3.7	5.5	2800	3.7	5.5	4000	3.7	5.5	4500	2.2	5.5	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-3.7WL. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key points are labeled at 750, 2800, 4000, and 4500 rpm.</p> <table border="1"> <caption>Torque Curve Data for ZJY208A-3.7WL</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m) (Solid Line)</th> <th>转矩 (N·m) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>750</td><td>47.1</td><td>70</td></tr> <tr><td>2800</td><td>18.7</td><td>70</td></tr> <tr><td>4000</td><td>8.8</td><td>70</td></tr> <tr><td>4500</td><td>4.6</td><td>70</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m) (Solid Line)	转矩 (N·m) (Dashed Line)	0	0	0	750	47.1	70	2800	18.7	70	4000	8.8	70	4500	4.6	70
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ZJY208A-2.2AM	 <p>功率(kW) vs 转速(r/min) for ZJY208A-2.2AM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key points are labeled at 1000, 3000, 4500, and 7000 rpm.</p> <table border="1"> <caption>Power Curve Data for ZJY208A-2.2AM</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW) (Solid Line)</th> <th>功率 (kW) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1000</td><td>2.2</td><td>3.7</td></tr> <tr><td>3000</td><td>2.2</td><td>3.7</td></tr> <tr><td>4500</td><td>2.2</td><td>3.7</td></tr> <tr><td>7000</td><td>0.45</td><td>3.7</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW) (Solid Line)	功率 (kW) (Dashed Line)	0	0	0	1000	2.2	3.7	3000	2.2	3.7	4500	2.2	3.7	7000	0.45	3.7	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-2.2AM. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key points are labeled at 1000, 3000, 4500, and 7000 rpm.</p> <table border="1"> <caption>Torque Curve Data for ZJY208A-2.2AM</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m) (Solid Line)</th> <th>转矩 (N·m) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1000</td><td>21</td><td>35.3</td></tr> <tr><td>3000</td><td>11.7</td><td>35.3</td></tr> <tr><td>4500</td><td>4.6</td><td>35.3</td></tr> <tr><td>7000</td><td>0.6</td><td>35.3</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m) (Solid Line)	转矩 (N·m) (Dashed Line)	0	0	0	1000	21	35.3	3000	11.7	35.3	4500	4.6	35.3	7000	0.6	35.3
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ZJY208A-3.7AM	 <p>功率(kW) vs 转速(r/min) for ZJY208A-3.7AM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key points are labeled at 1000, 3000, 5000, and 7000 rpm.</p> <table border="1"> <caption>Power Curve Data for ZJY208A-3.7AM</caption> <thead> <tr> <th>转速 (r/min)</th> <th>功率 (kW) (Solid Line)</th> <th>功率 (kW) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1000</td><td>3.7</td><td>5.5</td></tr> <tr><td>3000</td><td>3.7</td><td>5.5</td></tr> <tr><td>5000</td><td>3.7</td><td>5.5</td></tr> <tr><td>7000</td><td>1.5</td><td>5.5</td></tr> </tbody> </table>	转速 (r/min)	功率 (kW) (Solid Line)	功率 (kW) (Dashed Line)	0	0	0	1000	3.7	5.5	3000	3.7	5.5	5000	3.7	5.5	7000	1.5	5.5	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-3.7AM. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key points are labeled at 1000, 3000, 5000, and 7000 rpm.</p> <table border="1"> <caption>Torque Curve Data for ZJY208A-3.7AM</caption> <thead> <tr> <th>转速 (r/min)</th> <th>转矩 (N·m) (Solid Line)</th> <th>转矩 (N·m) (Dashed Line)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td></tr> <tr><td>1000</td><td>35.3</td><td>52.5</td></tr> <tr><td>3000</td><td>17.5</td><td>52.5</td></tr> <tr><td>5000</td><td>7</td><td>52.5</td></tr> <tr><td>7000</td><td>2</td><td>52.5</td></tr> </tbody> </table>	转速 (r/min)	转矩 (N·m) (Solid Line)	转矩 (N·m) (Dashed Line)	0	0	0	1000	35.3	52.5	3000	17.5	52.5	5000	7	52.5	7000	2	52.5
转速 (r/min)	功率 (kW) (Solid Line)	功率 (kW) (Dashed Line)																																				
0	0	0																																				
1000	3.7	5.5																																				
3000	3.7	5.5																																				
5000	3.7	5.5																																				
7000	1.5	5.5																																				
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0	0	0																																				
1000	35.3	52.5																																				
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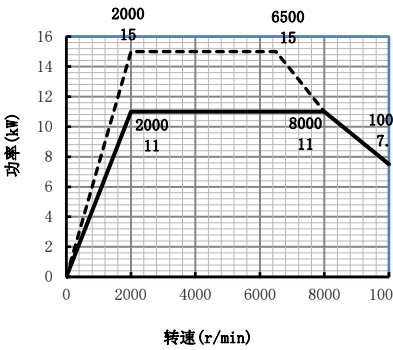
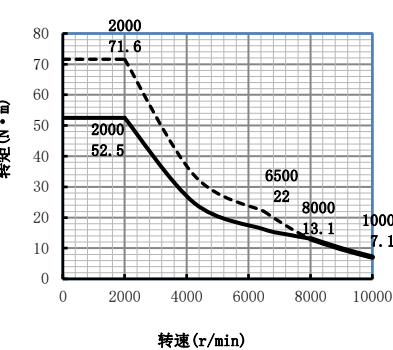
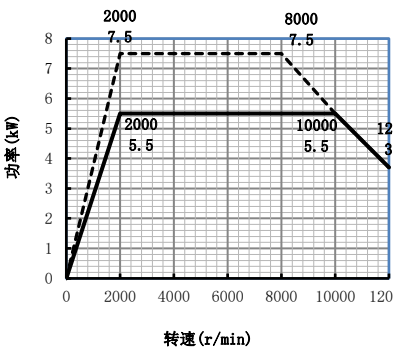
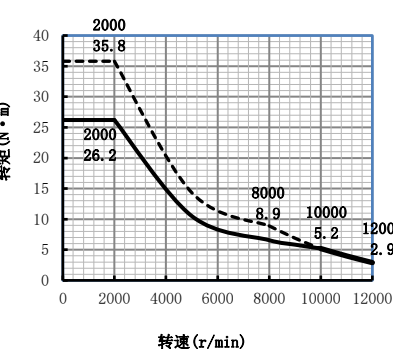
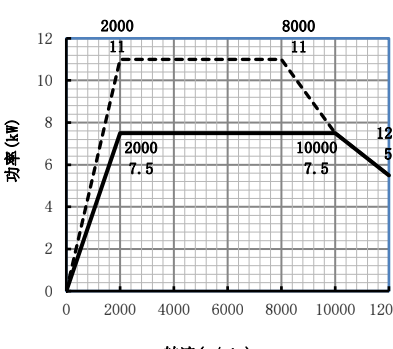
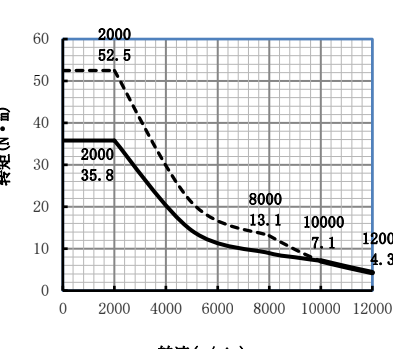
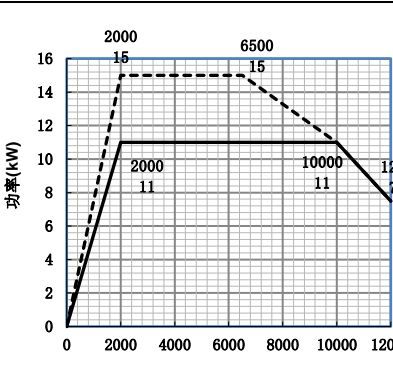
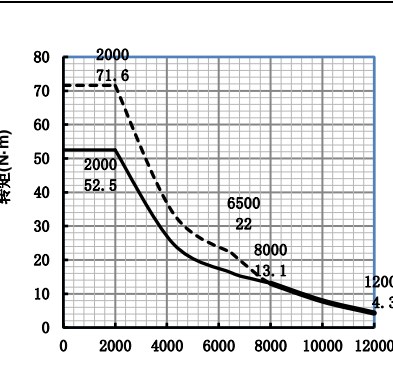
电机型号	功率曲线	转矩曲线																								
ZJY208A-5.5AM	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示最大允许功率，实线表示实际运行功率。标注点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>1000</td><td>7.5</td></tr> <tr><td>1000</td><td>5.5</td></tr> <tr><td>3500</td><td>7.5</td></tr> <tr><td>5000</td><td>5.5</td></tr> <tr><td>7000</td><td>3.2</td></tr> </table>	转速 (r/min)	功率 (kW)	1000	7.5	1000	5.5	3500	7.5	5000	5.5	7000	3.2	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示最大允许转矩，实线表示实际运行转矩。标注点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>1000</td><td>71.6</td></tr> <tr><td>1000</td><td>52.5</td></tr> <tr><td>3500</td><td>20.4</td></tr> <tr><td>5000</td><td>10.5</td></tr> <tr><td>7000</td><td>4.3</td></tr> </table>	转速 (r/min)	转矩 (N·m)	1000	71.6	1000	52.5	3500	20.4	5000	10.5	7000	4.3
转速 (r/min)	功率 (kW)																									
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5000	10.5																									
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ZJY208A-5.5BL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示最大允许功率，实线表示实际运行功率。标注点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>1500</td><td>7.5</td></tr> <tr><td>1500</td><td>5.5</td></tr> <tr><td>3000</td><td>7.5</td></tr> <tr><td>4500</td><td>5.5</td></tr> </table>	转速 (r/min)	功率 (kW)	1500	7.5	1500	5.5	3000	7.5	4500	5.5	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示最大允许转矩，实线表示实际运行转矩。标注点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>1500</td><td>47.7</td></tr> <tr><td>1500</td><td>35</td></tr> <tr><td>4500</td><td>11.6</td></tr> </table>	转速 (r/min)	转矩 (N·m)	1500	47.7	1500	35	4500	11.6						
转速 (r/min)	功率 (kW)																									
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转速 (r/min)	功率 (kW)																									
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ZJY208A-9BL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示最大允许功率，实线表示实际运行功率。标注点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>1500</td><td>12</td></tr> <tr><td>1500</td><td>9</td></tr> <tr><td>3000</td><td>12</td></tr> <tr><td>4500</td><td>9</td></tr> </table>	转速 (r/min)	功率 (kW)	1500	12	1500	9	3000	12	4500	9	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示最大允许转矩，实线表示实际运行转矩。标注点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>1500</td><td>76.3</td></tr> <tr><td>1500</td><td>57.2</td></tr> <tr><td>4500</td><td>19</td></tr> </table>	转速 (r/min)	转矩 (N·m)	1500	76.3	1500	57.2	4500	19						
转速 (r/min)	功率 (kW)																									
1500	12																									
1500	9																									
3000	12																									
4500	9																									
转速 (r/min)	转矩 (N·m)																									
1500	76.3																									
1500	57.2																									
4500	19																									

标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线
ZJY208A-3.7BM	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 5.5 kW，在 1500 r/min 和 4000 r/min 之间保持恒定。实线表示实际功率，在 1500 r/min 时为 3.7 kW，在 5500 r/min 时为 3.7 kW，在 7000 r/min 时为 2.2 kW。</p>	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 35 N·m，在 1500 r/min 和 4000 r/min 之间保持恒定。实线表示实际转矩，在 1500 r/min 时为 23.5 N·m，在 4000 r/min 时为 13.1 N·m，在 5500 r/min 时为 6.4 N·m，在 7000 r/min 时为 3 N·m。</p>
ZJY208A-5.5BM	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 7.5 kW，在 1500 r/min 和 4000 r/min 之间保持恒定。实线表示实际功率，在 1500 r/min 时为 5.5 kW，在 5500 r/min 时为 5.5 kW，在 7000 r/min 时为 3.7 kW。</p>	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 47.7 N·m，在 1500 r/min 和 4000 r/min 之间保持恒定。实线表示实际转矩，在 1500 r/min 时为 35 N·m，在 4000 r/min 时为 17.9 N·m，在 5500 r/min 时为 9.5 N·m，在 7000 r/min 时为 5 N·m。</p>
ZJY208A-7.5BM	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 11 kW，在 1500 r/min 和 4000 r/min 之间保持恒定。实线表示实际功率，在 1500 r/min 时为 7.5 kW，在 5500 r/min 时为 7.5 kW，在 7000 r/min 时为 5.5 kW。</p>	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 70 N·m，在 1500 r/min 和 4000 r/min 之间保持恒定。实线表示实际转矩，在 1500 r/min 时为 47.7 N·m，在 4000 r/min 时为 26.2 N·m，在 5500 r/min 时为 13 N·m，在 7000 r/min 时为 7.5 N·m。</p>
ZJY208A-2.2BH	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率 3.7 kW，在 1500 r/min 和 6500 r/min 之间保持恒定。实线表示实际功率，在 1500 r/min 时为 2.2 kW，在 8500 r/min 时为 2.2 kW，在 10000 r/min 时为 1.5 kW。</p>	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩 23.5 N·m，在 1500 r/min 和 6500 r/min 之间保持恒定。实线表示实际转矩，在 1500 r/min 时为 14 N·m，在 6500 r/min 时为 5.4 N·m，在 8500 r/min 时为 2.4 N·m，在 10000 r/min 时为 1.4 N·m。</p>

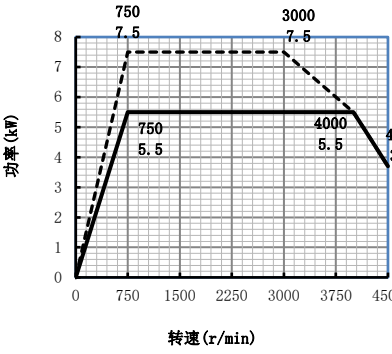
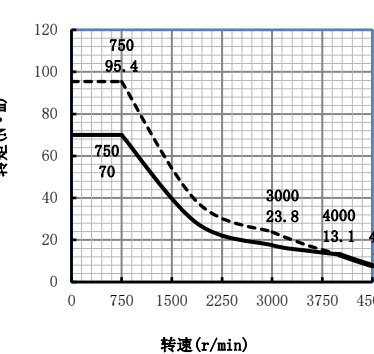
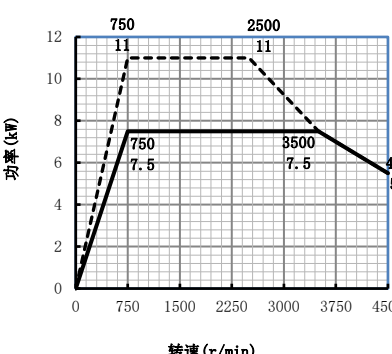
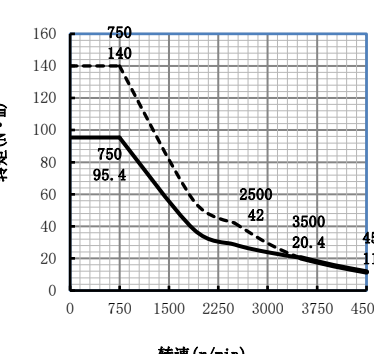
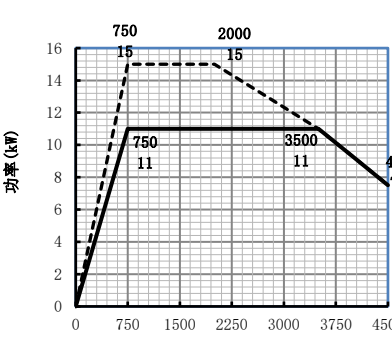
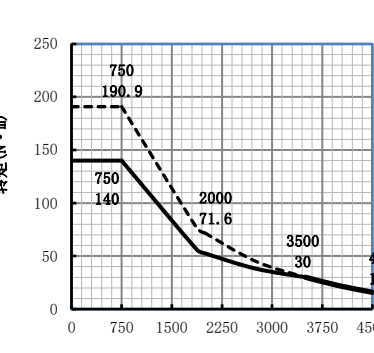
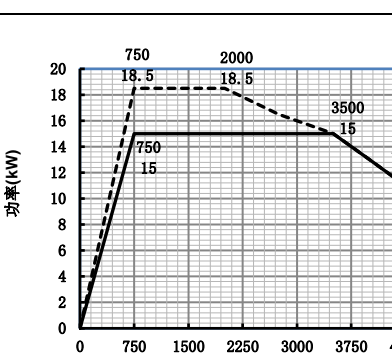
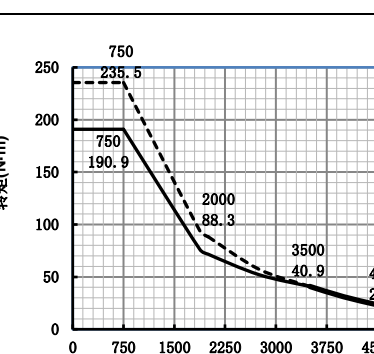
电机型号	功率曲线	转矩曲线
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ZJY208A-5.5BH		
ZJY208A-7.5BH		
ZJY208A-11CM		

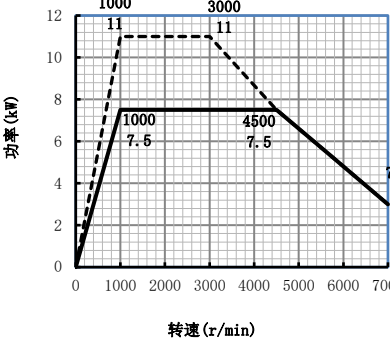
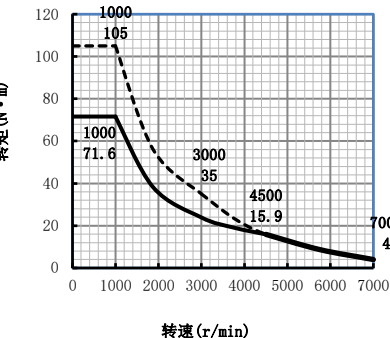
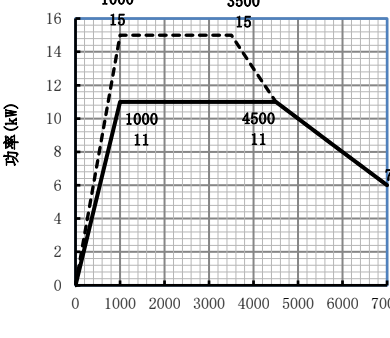
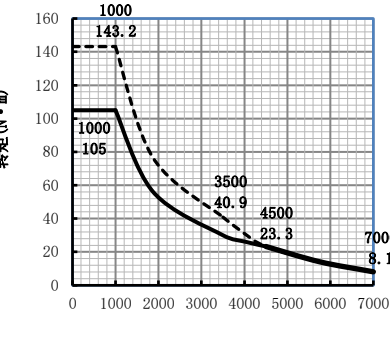
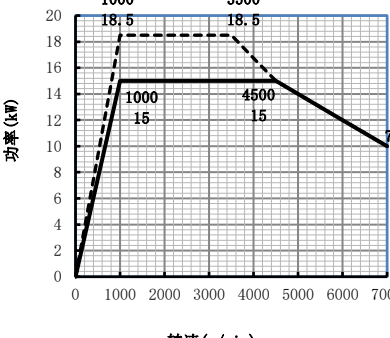
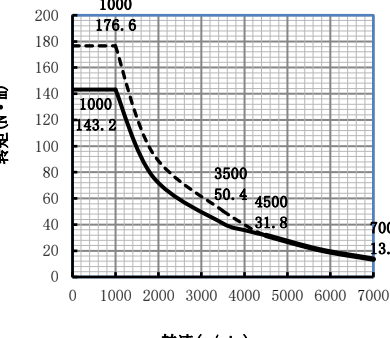
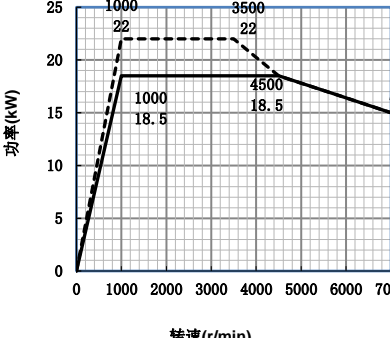
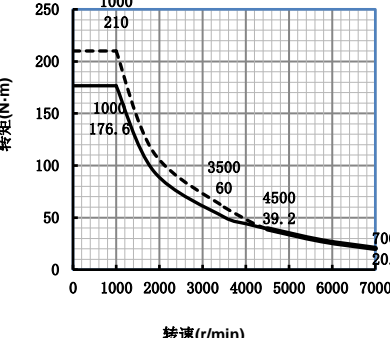
标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线
ZJY208A-11CH	 <p>功率(kW) vs 转速(r/min) for ZJY208A-11CH. The graph shows two curves: a dashed line for maximum power and a solid line for rated power. Key data points are: (2000, 15) for max power, (2000, 11) for rated power, (6500, 15) for max power, and (10000, 7.5) for rated power.</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-11CH. Key data points: (2000, 71.6) for max torque, (2000, 52.5) for rated torque, (6500, 22) for max torque, (8000, 13.1) for rated torque, and (10000, 7.1) for rated torque.</p>
ZJY208A-5.5CF	 <p>功率(kW) vs 转速(r/min) for ZJY208A-5.5CF. Key data points: (2000, 7.5) for max power, (2000, 5.5) for rated power, (8000, 7.5) for max power, and (12000, 3.7) for rated power.</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-5.5CF. Key data points: (2000, 35.8) for max torque, (2000, 26.2) for rated torque, (8000, 8.9) for max torque, (10000, 5.2) for rated torque, and (12000, 2.9) for rated torque.</p>
ZJY208A-7.5CF	 <p>功率(kW) vs 转速(r/min) for ZJY208A-7.5CF. Key data points: (2000, 11) for max power, (2000, 7.5) for rated power, (8000, 11) for max power, and (12000, 5.5) for rated power.</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-7.5CF. Key data points: (2000, 52.5) for max torque, (2000, 35.8) for rated torque, (8000, 13.1) for max torque, (10000, 7.1) for rated torque, and (12000, 4.3) for rated torque.</p>
ZJY208A-11CF	 <p>功率(kW) vs 转速(r/min) for ZJY208A-11CF. Key data points: (2000, 15) for max power, (2000, 11) for rated power, (6500, 15) for max power, and (12000, 7.5) for rated power.</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY208A-11CF. Key data points: (2000, 71.6) for max torque, (2000, 52.5) for rated torque, (6500, 22) for max torque, (8000, 13.1) for rated torque, and (12000, 4.3) for rated torque.</p>

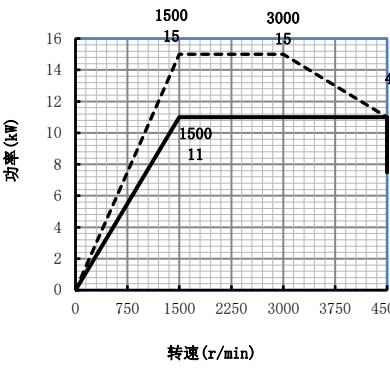
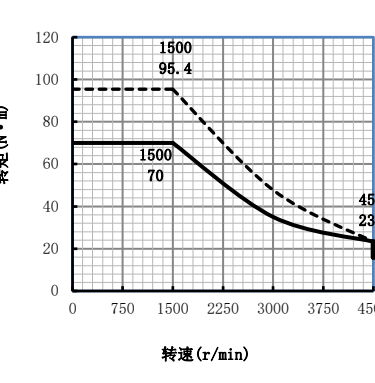
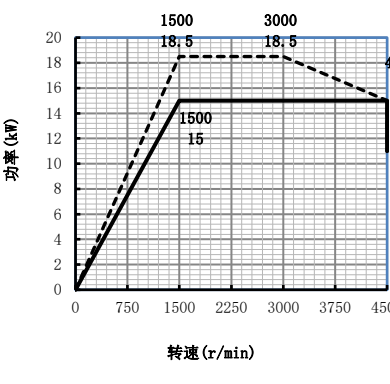
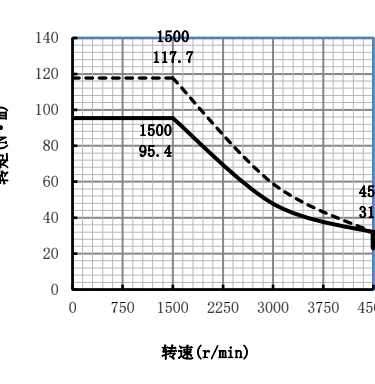
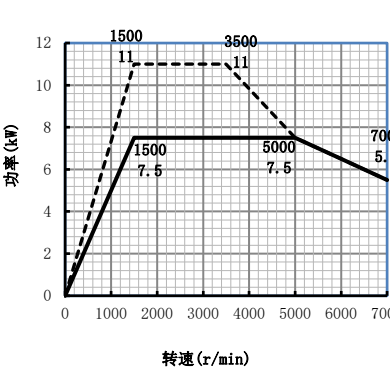
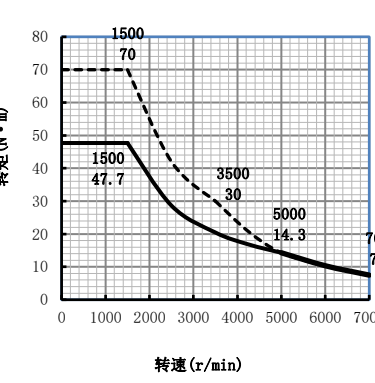
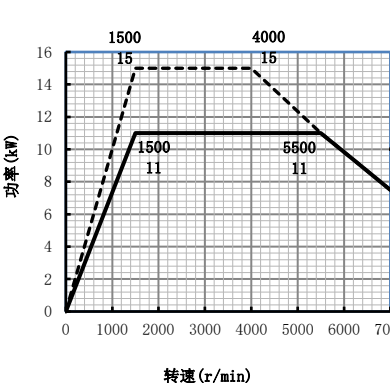
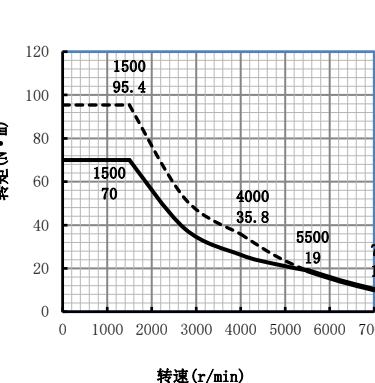
电机型号	功率曲线	转矩曲线
ZJY208A-15EM	<p>功率(kW)</p> <p>转速(r/min)</p>	<p>转矩(N·m)</p> <p>转速(r/min)</p>
ZJY208A-5.5EF	<p>功率(kW)</p> <p>转速(r/min)</p>	<p>转矩(N·m)</p> <p>转速(r/min)</p>
ZJY208A-7.5EF	<p>功率(kW)</p> <p>转速(r/min)</p>	<p>转矩(N·m)</p> <p>转速(r/min)</p>
ZJY208A-11EF	<p>功率(kW)</p> <p>转速(r/min)</p>	<p>转矩(N·m)</p> <p>转速(r/min)</p>

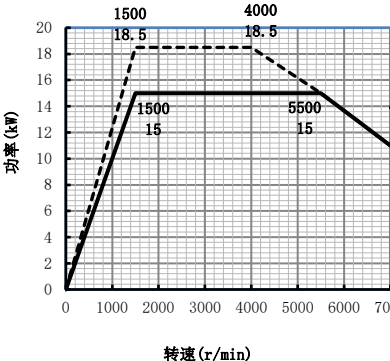
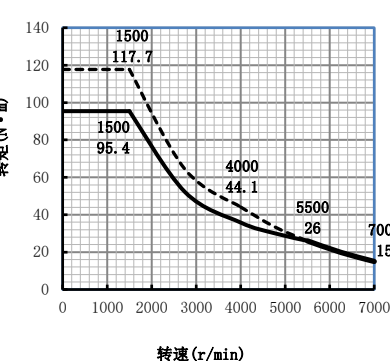
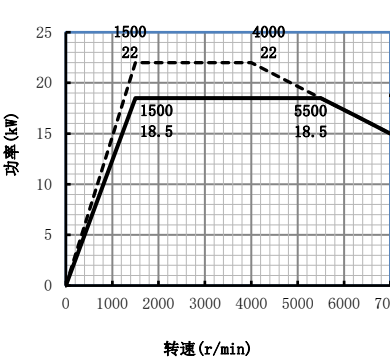
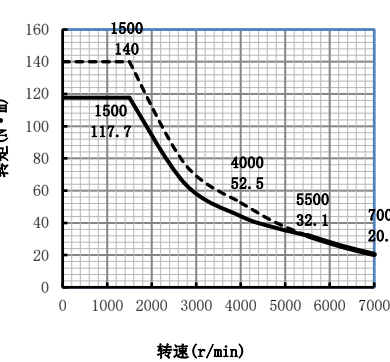
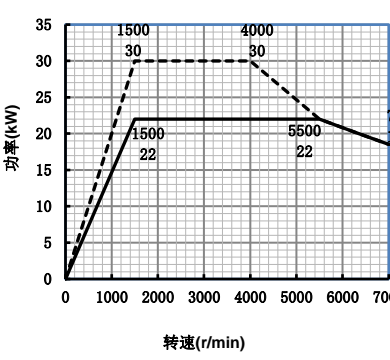
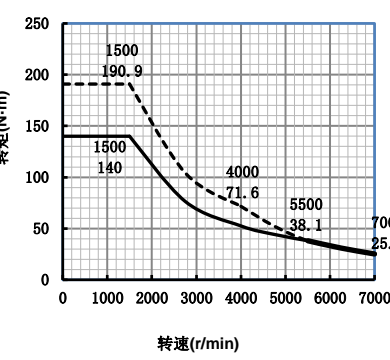
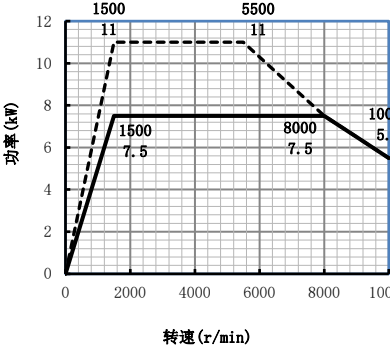
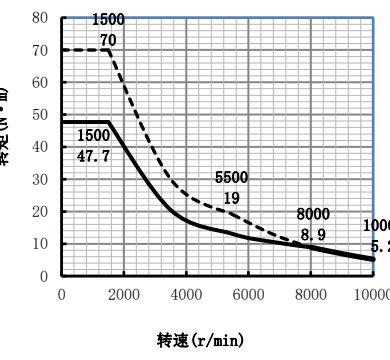
标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线																				
ZJY265A-5.5WL	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>750</td><td>7.5</td></tr> <tr><td>3000</td><td>7.5</td></tr> <tr><td>4000</td><td>5.5</td></tr> <tr><td>4500</td><td>3.7</td></tr> </table>	转速 (r/min)	功率 (kW)	750	7.5	3000	7.5	4000	5.5	4500	3.7	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>750</td><td>95.4</td></tr> <tr><td>3000</td><td>23.8</td></tr> <tr><td>4000</td><td>13.1</td></tr> <tr><td>4500</td><td>7.8</td></tr> </table>	转速 (r/min)	转矩 (N·m)	750	95.4	3000	23.8	4000	13.1	4500	7.8
转速 (r/min)	功率 (kW)																					
750	7.5																					
3000	7.5																					
4000	5.5																					
4500	3.7																					
转速 (r/min)	转矩 (N·m)																					
750	95.4																					
3000	23.8																					
4000	13.1																					
4500	7.8																					
ZJY265A-7.5WL	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>750</td><td>11</td></tr> <tr><td>2500</td><td>11</td></tr> <tr><td>3500</td><td>7.5</td></tr> <tr><td>4500</td><td>5.5</td></tr> </table>	转速 (r/min)	功率 (kW)	750	11	2500	11	3500	7.5	4500	5.5	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>750</td><td>140</td></tr> <tr><td>2500</td><td>42</td></tr> <tr><td>3500</td><td>20.4</td></tr> <tr><td>4500</td><td>11.6</td></tr> </table>	转速 (r/min)	转矩 (N·m)	750	140	2500	42	3500	20.4	4500	11.6
转速 (r/min)	功率 (kW)																					
750	11																					
2500	11																					
3500	7.5																					
4500	5.5																					
转速 (r/min)	转矩 (N·m)																					
750	140																					
2500	42																					
3500	20.4																					
4500	11.6																					
ZJY265A-11WL	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>750</td><td>15</td></tr> <tr><td>2000</td><td>15</td></tr> <tr><td>3500</td><td>11</td></tr> <tr><td>4500</td><td>7.5</td></tr> </table>	转速 (r/min)	功率 (kW)	750	15	2000	15	3500	11	4500	7.5	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>750</td><td>190.9</td></tr> <tr><td>2000</td><td>71.6</td></tr> <tr><td>3500</td><td>30</td></tr> <tr><td>4500</td><td>15.9</td></tr> </table>	转速 (r/min)	转矩 (N·m)	750	190.9	2000	71.6	3500	30	4500	15.9
转速 (r/min)	功率 (kW)																					
750	15																					
2000	15																					
3500	11																					
4500	7.5																					
转速 (r/min)	转矩 (N·m)																					
750	190.9																					
2000	71.6																					
3500	30																					
4500	15.9																					
ZJY265A-15WL	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>750</td><td>18.5</td></tr> <tr><td>2000</td><td>18.5</td></tr> <tr><td>3500</td><td>15</td></tr> <tr><td>4500</td><td>11</td></tr> </table>	转速 (r/min)	功率 (kW)	750	18.5	2000	18.5	3500	15	4500	11	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>750</td><td>235.5</td></tr> <tr><td>2000</td><td>88.3</td></tr> <tr><td>3500</td><td>40.9</td></tr> <tr><td>4500</td><td>23.3</td></tr> </table>	转速 (r/min)	转矩 (N·m)	750	235.5	2000	88.3	3500	40.9	4500	23.3
转速 (r/min)	功率 (kW)																					
750	18.5																					
2000	18.5																					
3500	15																					
4500	11																					
转速 (r/min)	转矩 (N·m)																					
750	235.5																					
2000	88.3																					
3500	40.9																					
4500	23.3																					

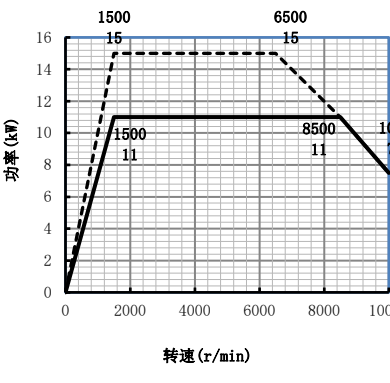
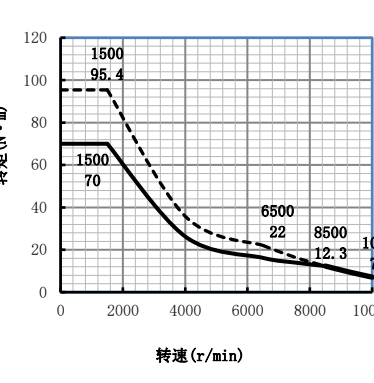
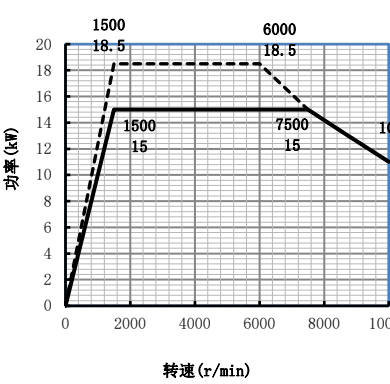
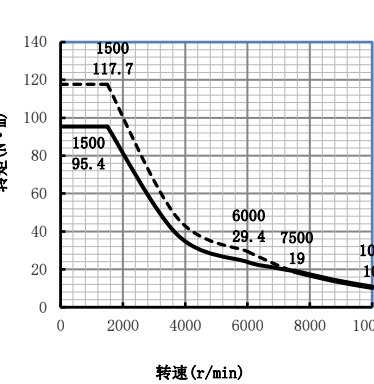
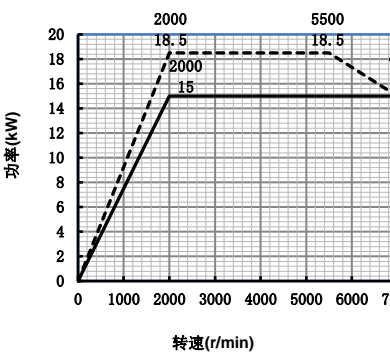
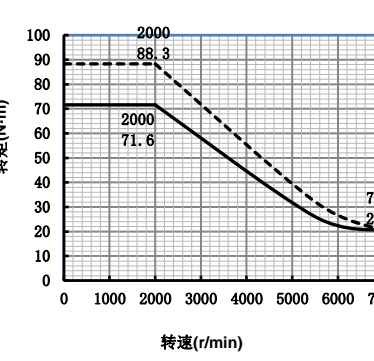
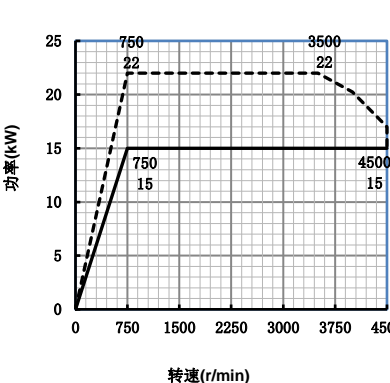
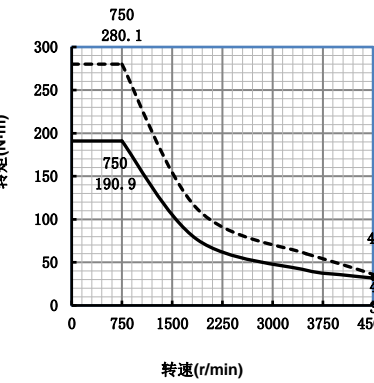
电机型号	功率曲线	转矩曲线
ZJY265A-7.5AM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-7.5AM. The graph shows a solid line for power and a dashed line for torque. Key data points are: 1000 rpm (11 kW), 3000 rpm (11 kW), 1000 rpm (7.6 kW), 4500 rpm (7.5 kW), and 7000 rpm (3 kW).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-7.5AM. Key data points are: 1000 rpm (105 N·m), 1000 rpm (71.6 N·m), 3000 rpm (35 N·m), 4500 rpm (15.9 N·m), and 7000 rpm (4 N·m).</p>
ZJY265A-11AM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-11AM. Key data points are: 1000 rpm (15 kW), 3500 rpm (15 kW), 1000 rpm (11 kW), 4500 rpm (11 kW), and 7000 rpm (6 kW).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-11AM. Key data points are: 1000 rpm (143.2 N·m), 1000 rpm (105 N·m), 3500 rpm (40.9 N·m), 4500 rpm (23.3 N·m), and 7000 rpm (8.1 N·m).</p>
ZJY265A-15AM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-15AM. Key data points are: 1000 rpm (18.5 kW), 3500 rpm (18.5 kW), 1000 rpm (15 kW), 4500 rpm (15 kW), and 7000 rpm (10 kW).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-15AM. Key data points are: 1000 rpm (176.6 N·m), 1000 rpm (143.2 N·m), 3500 rpm (50.4 N·m), 4500 rpm (31.8 N·m), and 7000 rpm (13.6 N·m).</p>
ZJY265A-18.5AM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-18.5AM. Key data points are: 1000 rpm (22 kW), 3500 rpm (22 kW), 1000 rpm (18.5 kW), 4500 rpm (18.5 kW), and 7000 rpm (15 kW).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-18.5AM. Key data points are: 1000 rpm (210 N·m), 1000 rpm (176.6 N·m), 3500 rpm (60 N·m), 4500 rpm (39.2 N·m), and 7000 rpm (20.4 N·m).</p>

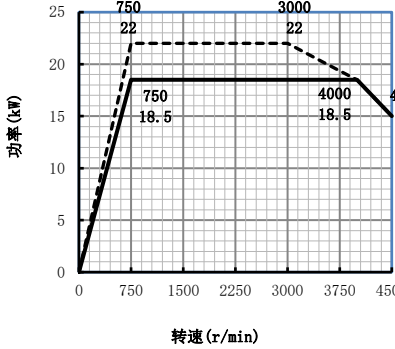
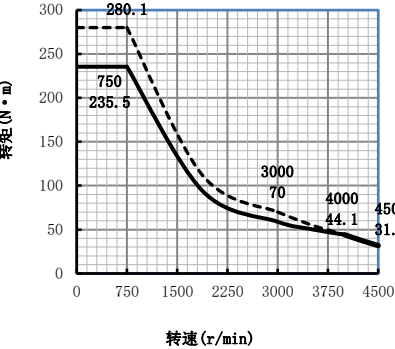
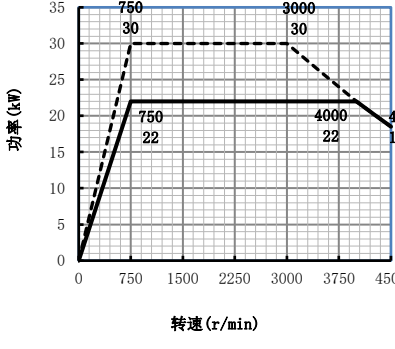
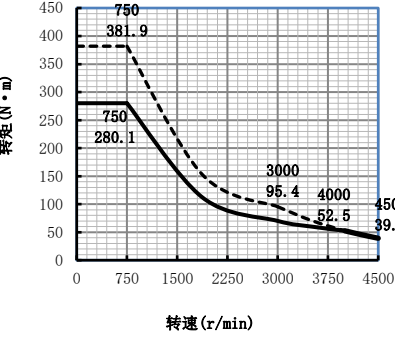
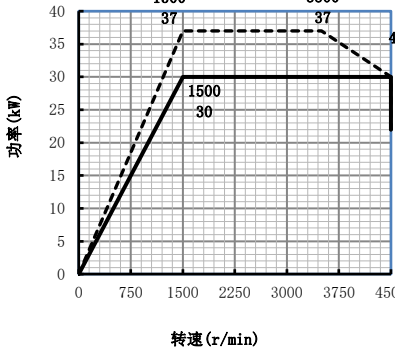
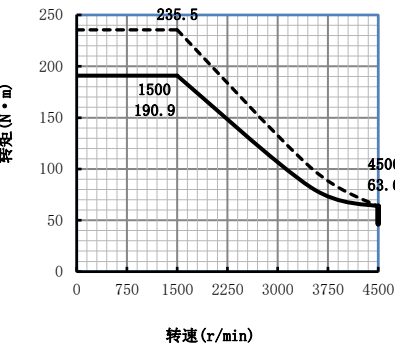
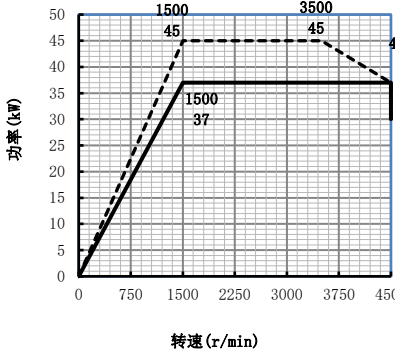
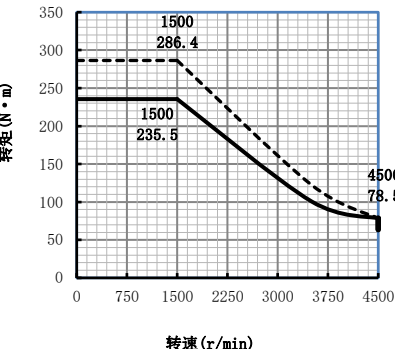
标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线																						
ZJY265A-11BL	 <p>功率曲线图显示功率(kW)随转速(r/min)的变化。虚线表示额定功率15kW，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>11</td></tr> <tr><td>3000</td><td>11</td></tr> <tr><td>4500</td><td>11</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	11	3000	11	4500	11	 <p>转矩曲线图显示转矩(N·m)随转速(r/min)的变化。虚线表示额定转矩95.4 N·m，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>70</td></tr> <tr><td>4500</td><td>23.3</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	70	4500	23.3				
转速 (r/min)	功率 (kW)																							
0	0																							
1500	11																							
3000	11																							
4500	11																							
转速 (r/min)	转矩 (N·m)																							
0	0																							
1500	70																							
4500	23.3																							
ZJY265A-15BL	 <p>功率曲线图显示功率(kW)随转速(r/min)的变化。虚线表示额定功率18.5kW，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>15</td></tr> <tr><td>3000</td><td>15</td></tr> <tr><td>4500</td><td>15</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	15	3000	15	4500	15	 <p>转矩曲线图显示转矩(N·m)随转速(r/min)的变化。虚线表示额定转矩117.7 N·m，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>95.4</td></tr> <tr><td>4500</td><td>31.8</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	95.4	4500	31.8				
转速 (r/min)	功率 (kW)																							
0	0																							
1500	15																							
3000	15																							
4500	15																							
转速 (r/min)	转矩 (N·m)																							
0	0																							
1500	95.4																							
4500	31.8																							
ZJY265A-7.5BM	 <p>功率曲线图显示功率(kW)随转速(r/min)的变化。虚线表示额定功率11kW，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>7.5</td></tr> <tr><td>3500</td><td>7.5</td></tr> <tr><td>7000</td><td>5.5</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	7.5	3500	7.5	7000	5.5	 <p>转矩曲线图显示转矩(N·m)随转速(r/min)的变化。虚线表示额定转矩70 N·m，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>47.7</td></tr> <tr><td>3500</td><td>30</td></tr> <tr><td>5000</td><td>14.3</td></tr> <tr><td>7000</td><td>7.5</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	47.7	3500	30	5000	14.3	7000	7.5
转速 (r/min)	功率 (kW)																							
0	0																							
1500	7.5																							
3500	7.5																							
7000	5.5																							
转速 (r/min)	转矩 (N·m)																							
0	0																							
1500	47.7																							
3500	30																							
5000	14.3																							
7000	7.5																							
ZJY265A-11BM	 <p>功率曲线图显示功率(kW)随转速(r/min)的变化。虚线表示额定功率15kW，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>11</td></tr> <tr><td>4000</td><td>11</td></tr> <tr><td>7000</td><td>7.5</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	11	4000	11	7000	7.5	 <p>转矩曲线图显示转矩(N·m)随转速(r/min)的变化。虚线表示额定转矩95.4 N·m，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>70</td></tr> <tr><td>4000</td><td>35.8</td></tr> <tr><td>5500</td><td>19</td></tr> <tr><td>7000</td><td>10.2</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	70	4000	35.8	5500	19	7000	10.2
转速 (r/min)	功率 (kW)																							
0	0																							
1500	11																							
4000	11																							
7000	7.5																							
转速 (r/min)	转矩 (N·m)																							
0	0																							
1500	70																							
4000	35.8																							
5500	19																							
7000	10.2																							

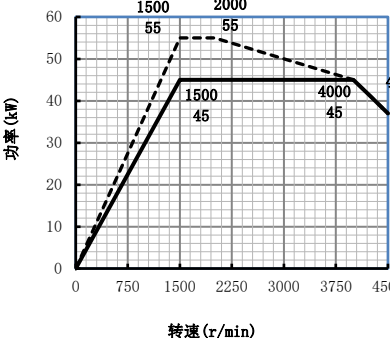
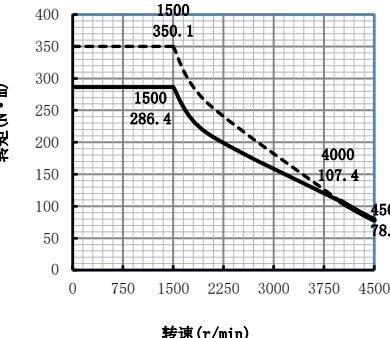
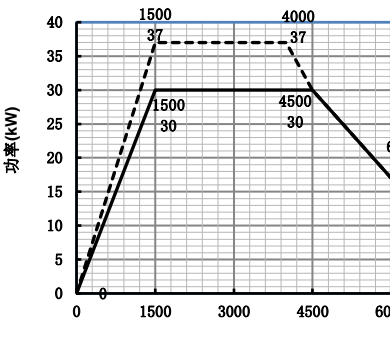
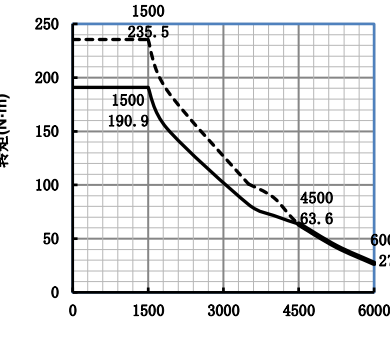
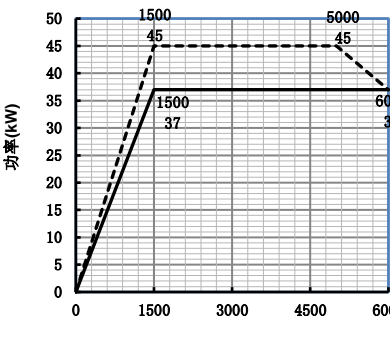
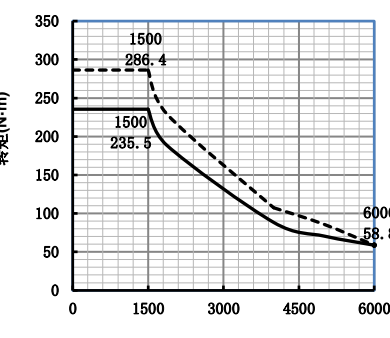
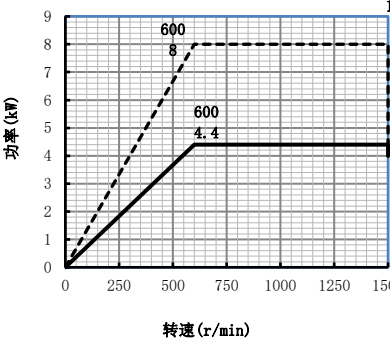
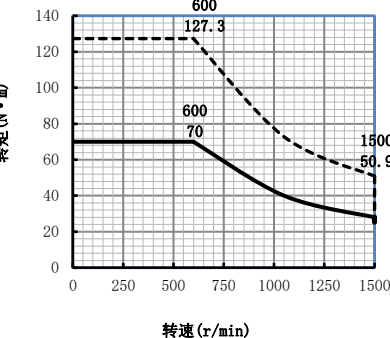
电机型号	功率曲线	转矩曲线
ZJY265A-15BM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-15BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 15), (1500, 18.5), (4000, 18.5), (5500, 15), (7000, 11).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-15BM. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key data points are: (1500, 95.4), (1500, 117.7), (4000, 44.1), (5500, 26), (7000, 15).</p>
ZJY265A-18.5BM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-18.5BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 18.5), (1500, 22), (4000, 22), (5500, 18.5), (7000, 15).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-18.5BM. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key data points are: (1500, 117.7), (1500, 140), (4000, 52.5), (5500, 32.1), (7000, 20.4).</p>
ZJY265A-22BM	 <p>功率(kW) vs 转速(r/min) for ZJY265A-22BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 22), (1500, 30), (4000, 30), (5500, 22), (7000, 18.5).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-22BM. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key data points are: (1500, 140), (1500, 190.9), (4000, 71.6), (5500, 38.1), (7000, 25.2).</p>
ZJY265A-7.5BH	 <p>功率(kW) vs 转速(r/min) for ZJY265A-7.5BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 7.5), (1500, 11), (5500, 11), (8000, 7.5), (10000, 5.5).</p>	 <p>转矩(N·m) vs 转速(r/min) for ZJY265A-7.5BH. The graph shows two curves: a solid line for rated torque and a dashed line for maximum torque. Key data points are: (1500, 47.7), (1500, 70), (5500, 19), (8000, 8.9), (10000, 5.2).</p>

标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线
ZJY265A-11BH	 <p>功率(kW) vs 转速(r/min)</p> <p>1500: 15, 11 6500: 15, 11 10000: 7.5</p>	 <p>转矩(N·m) vs 转速(r/min)</p> <p>1500: 95.4, 70 6500: 22 8500: 12.3 10000: 7.1</p>
ZJY265A-15BH	 <p>功率(kW) vs 转速(r/min)</p> <p>1500: 18.5, 15 6000: 18.5, 15 10000: 11</p>	 <p>转矩(N·m) vs 转速(r/min)</p> <p>1500: 117.7, 95.4 6000: 29.4 7500: 19 10000: 10.5</p>
ZJY265A-15CM	 <p>功率(kW) vs 转速(r/min)</p> <p>2000: 18.5, 15 5500: 18.5, 15 7000: 15</p>	 <p>转矩(N·m) vs 转速(r/min)</p> <p>2000: 88.3, 71.6 7000: 20.4</p>
ZJY320-15WL	 <p>功率(kW) vs 转速(r/min)</p> <p>750: 22, 15 3500: 22, 15 4500: 15</p>	 <p>转矩(N·m) vs 转速(r/min)</p> <p>750: 280.1, 190.9 4500: 36, 31.8</p>

电机型号	功率曲线	转矩曲线																
ZJY320-18.5WL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>750</td><td>22</td></tr> <tr><td>3000</td><td>22</td></tr> <tr><td>4500</td><td>15</td></tr> </table>	转速 (r/min)	功率 (kW)	750	22	3000	22	4500	15	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>750</td><td>280.1</td></tr> <tr><td>3000</td><td>70</td></tr> <tr><td>4500</td><td>31.8</td></tr> </table>	转速 (r/min)	转矩 (N·m)	750	280.1	3000	70	4500	31.8
转速 (r/min)	功率 (kW)																	
750	22																	
3000	22																	
4500	15																	
转速 (r/min)	转矩 (N·m)																	
750	280.1																	
3000	70																	
4500	31.8																	
ZJY320-22WL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>750</td><td>30</td></tr> <tr><td>3000</td><td>30</td></tr> <tr><td>4500</td><td>18.5</td></tr> </table>	转速 (r/min)	功率 (kW)	750	30	3000	30	4500	18.5	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>750</td><td>381.9</td></tr> <tr><td>3000</td><td>95.4</td></tr> <tr><td>4500</td><td>39.2</td></tr> </table>	转速 (r/min)	转矩 (N·m)	750	381.9	3000	95.4	4500	39.2
转速 (r/min)	功率 (kW)																	
750	30																	
3000	30																	
4500	18.5																	
转速 (r/min)	转矩 (N·m)																	
750	381.9																	
3000	95.4																	
4500	39.2																	
ZJY320-30BL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>1500</td><td>37</td></tr> <tr><td>3500</td><td>37</td></tr> <tr><td>4500</td><td>30</td></tr> </table>	转速 (r/min)	功率 (kW)	1500	37	3500	37	4500	30	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>1500</td><td>235.5</td></tr> <tr><td>4500</td><td>68.6</td></tr> </table>	转速 (r/min)	转矩 (N·m)	1500	235.5	4500	68.6		
转速 (r/min)	功率 (kW)																	
1500	37																	
3500	37																	
4500	30																	
转速 (r/min)	转矩 (N·m)																	
1500	235.5																	
4500	68.6																	
ZJY320-37BL	 <p>功率曲线图显示功率 (kW) 随转速 (r/min) 的变化。虚线表示额定功率，实线表示实际功率。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>1500</td><td>45</td></tr> <tr><td>3500</td><td>45</td></tr> <tr><td>4500</td><td>37</td></tr> </table>	转速 (r/min)	功率 (kW)	1500	45	3500	45	4500	37	 <p>转矩曲线图显示转矩 (N·m) 随转速 (r/min) 的变化。虚线表示额定转矩，实线表示实际转矩。数据点如下：</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>1500</td><td>286.4</td></tr> <tr><td>4500</td><td>78.5</td></tr> </table>	转速 (r/min)	转矩 (N·m)	1500	286.4	4500	78.5		
转速 (r/min)	功率 (kW)																	
1500	45																	
3500	45																	
4500	37																	
转速 (r/min)	转矩 (N·m)																	
1500	286.4																	
4500	78.5																	

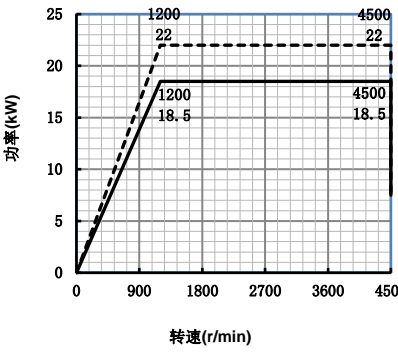
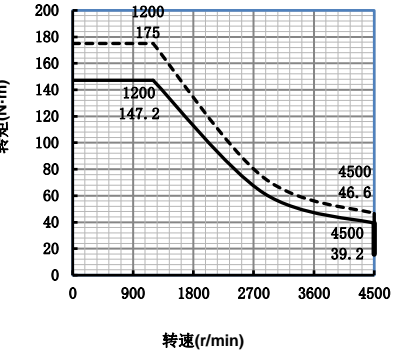
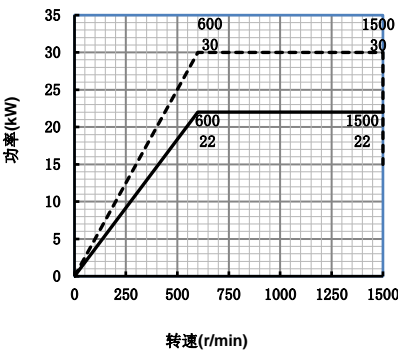
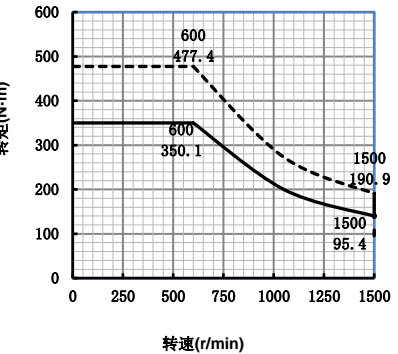
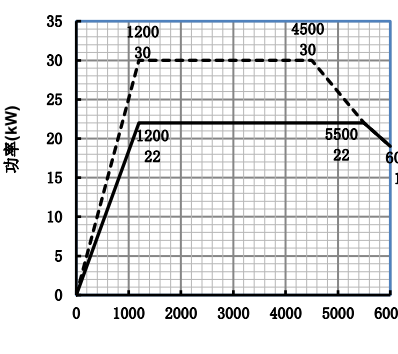
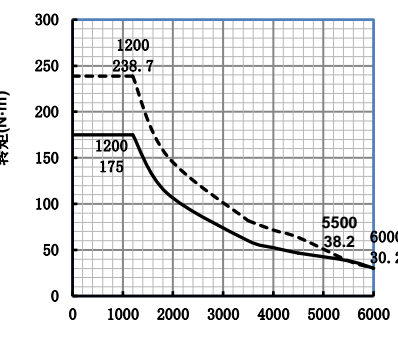
标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线																								
ZJY320-45BL	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>45</td></tr> <tr><td>2000</td><td>55</td></tr> <tr><td>4000</td><td>45</td></tr> <tr><td>4500</td><td>37</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	45	2000	55	4000	45	4500	37	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>286.4</td></tr> <tr><td>1500</td><td>350.1</td></tr> <tr><td>4000</td><td>107.4</td></tr> <tr><td>4500</td><td>78.5</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	286.4	1500	350.1	4000	107.4	4500	78.5
转速 (r/min)	功率 (kW)																									
0	0																									
1500	45																									
2000	55																									
4000	45																									
4500	37																									
转速 (r/min)	转矩 (N·m)																									
0	0																									
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1500	350.1																									
4000	107.4																									
4500	78.5																									
ZJY320-30BM	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>30</td></tr> <tr><td>1500</td><td>37</td></tr> <tr><td>4500</td><td>30</td></tr> <tr><td>6000</td><td>17</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	30	1500	37	4500	30	6000	17	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>190.9</td></tr> <tr><td>1500</td><td>235.5</td></tr> <tr><td>4500</td><td>63.6</td></tr> <tr><td>6000</td><td>27</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	190.9	1500	235.5	4500	63.6	6000	27
转速 (r/min)	功率 (kW)																									
0	0																									
1500	30																									
1500	37																									
4500	30																									
6000	17																									
转速 (r/min)	转矩 (N·m)																									
0	0																									
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6000	27																									
ZJY320-37BM	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>37</td></tr> <tr><td>1500</td><td>45</td></tr> <tr><td>6000</td><td>37</td></tr> <tr><td>5000</td><td>45</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	1500	37	1500	45	6000	37	5000	45	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1500</td><td>235.5</td></tr> <tr><td>1500</td><td>286.4</td></tr> <tr><td>6000</td><td>58.8</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	1500	235.5	1500	286.4	6000	58.8		
转速 (r/min)	功率 (kW)																									
0	0																									
1500	37																									
1500	45																									
6000	37																									
5000	45																									
转速 (r/min)	转矩 (N·m)																									
0	0																									
1500	235.5																									
1500	286.4																									
6000	58.8																									
ZJY265A-4.4VMD (Y 接法)	 <p>功率(kW) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>功率 (kW)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>600</td><td>4.4</td></tr> <tr><td>600</td><td>8</td></tr> <tr><td>1500</td><td>8</td></tr> </table>	转速 (r/min)	功率 (kW)	0	0	600	4.4	600	8	1500	8	 <p>转矩(N·m) vs 转速(r/min)</p> <table border="1"> <tr><th>转速 (r/min)</th><th>转矩 (N·m)</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>600</td><td>70</td></tr> <tr><td>600</td><td>127.3</td></tr> <tr><td>1500</td><td>50.9</td></tr> </table>	转速 (r/min)	转矩 (N·m)	0	0	600	70	600	127.3	1500	50.9				
转速 (r/min)	功率 (kW)																									
0	0																									
600	4.4																									
600	8																									
1500	8																									
转速 (r/min)	转矩 (N·m)																									
0	0																									
600	70																									
600	127.3																									
1500	50.9																									

电机型号	功率曲线	转矩曲线
ZJY265A-4.4VMD (Δ 接法)		
ZJY265A-6VMD (Y接法)		
ZJY265A-6VMD (Δ 接法)		
ZJY265A-7.5VMD (Y接法)		

标准键槽尺寸、机械特性曲线

电机型号	功率曲线	转矩曲线
ZJY265A-7.5VMD (Δ 接法)		
ZJY265A-9VMD (Y接法)		
ZJY265A-9VMD (Δ 接法)		
ZJY320-15VLD (Y接法)		

电机型号	功率曲线	转矩曲线
ZJY320-15VLD (Δ 接法)	 <p>功率(kW)</p> <p>转速(r/min)</p>	 <p>转矩(N·m)</p> <p>转速(r/min)</p>
ZJY320-22VMD (Y接法)	 <p>功率(kW)</p> <p>转速(r/min)</p>	 <p>转矩(N·m)</p> <p>转速(r/min)</p>
ZJY320-22VMD (Δ 接法)	 <p>功率(kW)</p> <p>转速(r/min)</p>	 <p>转矩(N·m)</p> <p>转速(r/min)</p>

8 电动机平衡

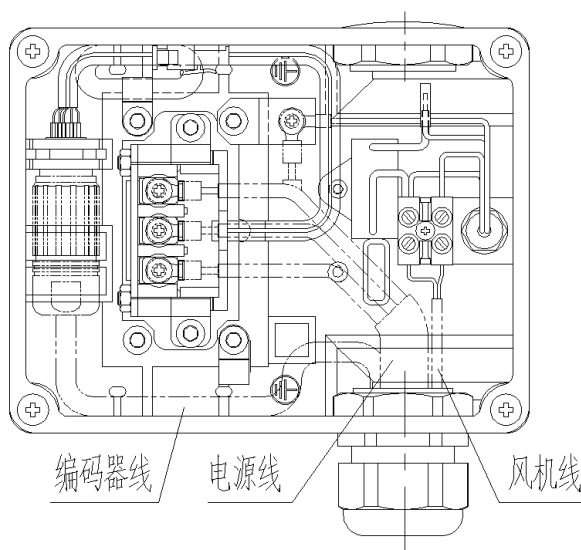
因主轴电动机工作转速较高，相应旋转部件必须进行动平衡工艺，否则会产生较大的振动噪声，甚至损坏电动机及设备。主轴电动机的转子出厂时动平衡精度为 6000r/min 时达到 G0.4，用户使用时注意以下几点：

- 1) 建议选用轴伸为光轴的主轴电动机；
- 2) 皮带轮必须进行动平衡工艺，要求为最高运行转速时达到 G1 或更高精度（约单边剩余不平衡量小于 50mg），且固定螺钉重量一致，压圈安装后与轴的同心度不大于 0.1mm；
- 3) 如果用户因为某些原因而使用键连接方式时，必须根据主轴电动机轴伸及键的尺寸和材料制作动平衡芯轴，给皮带轮作动平衡，动平衡精度要求同上。安装皮带轮时可利用电动机轴伸端部的螺孔，用螺杆压装，也可以采用热套方式，不允许敲打；
- 4) 对于暂时没有相应动平衡设备的用户，可以短期内委托本公司进行皮带轮动平衡工艺和安装。

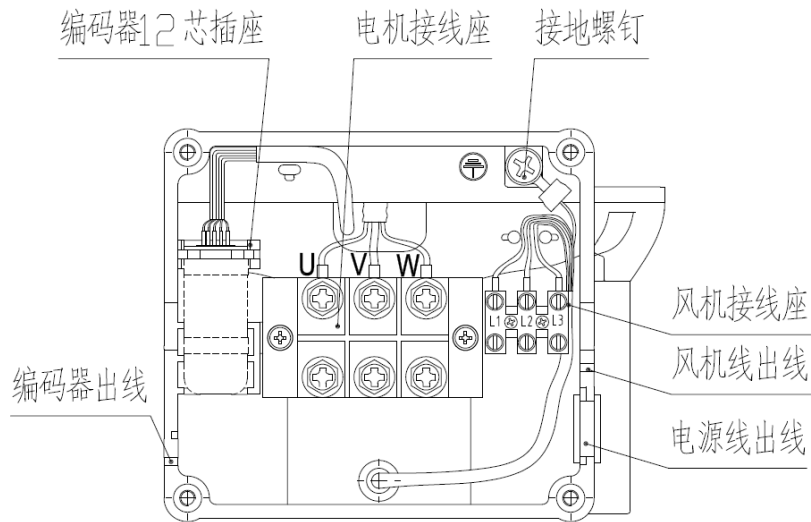
9 电动机的线缆连接

9.1 电动机与驱动单元的电机电源线连接

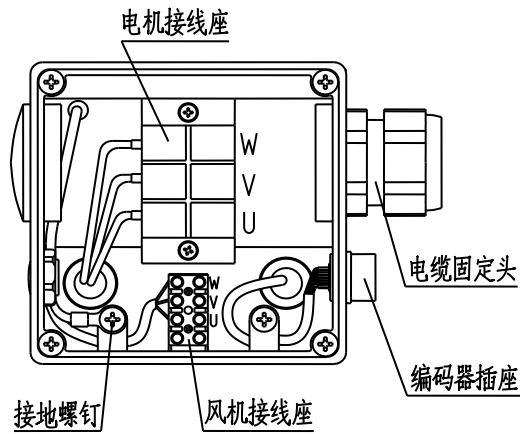
电动机的三相绕组 U、V、W 和机壳（地）通过电缆固定头引出，其在接线盒内的位置关系见下图。U、V、W、机壳（地）分别接驱动单元的主回路 U、V、W、PE 端子。



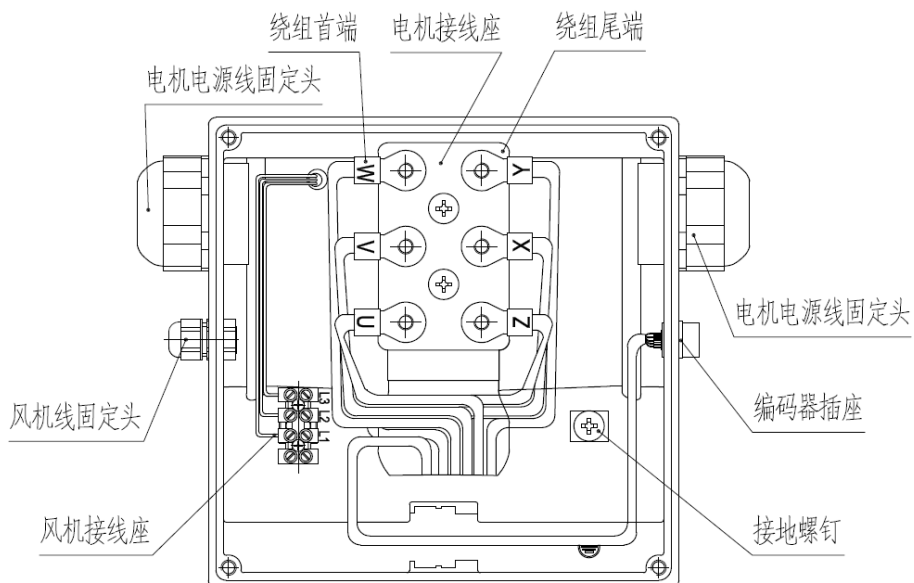
ZJY141A 系列电机接线盒示意图



ZJY182A 系列电机接线盒示意图



ZJY208A、ZJY265A、ZJY320 系列电机接线盒示意图



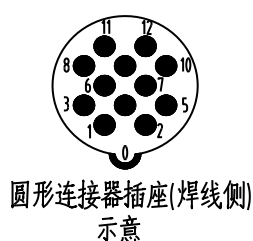
双速电机（可高低速切换）系列电机接线盒示意图

9.2 电动机的风机电源线连接

电动机风机的电源电压：ZJY141A 系列为单相 AC220V，其余 380V 级电动机的风机电源为三相 AC380V~440V，220V 级电动机（型号后缀-L）的风机电源为三相 AC220V。风机外壳有标示风机正确的旋转方向，正常情况下风机往电动机内部吹风进行冷却，通电后务必检查风机风向。为了保证冷却效果，请保持风道畅通，风机尾端外壳与机床钣金间隔大于 100mm。风机应定期（每隔一个月）检查叶片油污与风道，定期清理，保证良好通风效果，延长电动机使用寿命。在使用过程中如果风机已经损坏，继续长时间运行从而导致电动机烧坏等情况，保修期内，我司将不再提供免费维保服务。

9.3 电动机与驱动单元的电机编码器线连接

9.3.1 连接 ZJY141A、ZJY182A、ZJY208A、ZJY265A、ZJY320 系列电动机编码器插座为 12 芯圆型连接器插座，如下图所示。



增量式编码器其对应关系见表 4。引出线按驱动单元要求连接到驱动单元反馈信号 CN2 的插头上。

表 4 适配增量式编码器定义

编码器与 温度传感器 引线	机壳地 (屏蔽线)	V _{CC} (5V)	GND (0V) KTY84(黄色)	Rt (KTY84 蓝色)	A+	A-	B+	B-	Z+	Z-
电机插座 编号	0	1	2	12	3	6	4	7	5	8
GR 系列 CN2 编号	金属层	19/20	15/16/17	1	12	13	10	11	8	9

绝对式编码器其对应关系见表 5。引出线按驱动单元要求连接到驱动单元反馈信号 CN2 的插头上。

表 5 适配绝对式编码器定义

编码器与 温度传感器引线	机壳地 (屏蔽线)	V _{cc} (5V)	GND (0V) KTY84(黄色)	Rt (KTY84 蓝色)	Data+	Clock+	Data-	Clock-
电机插座编号	0	1	2	8	9	10	11	12
GR 系列 CN2 编号	金属层	19/20	15/16	1	25	23	26	24

适配正余弦编码器,引出线按驱动单元要求连接到驱动单元反馈信号 CN2 (MDR26 插头) 的插头上时, 其对应关系见表 6。

表 6 适配正余弦编码器定义 (连接 CN2 接口)

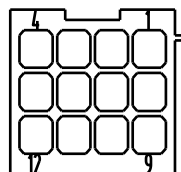
编码器与 温度传感器引线	机壳地 (屏蔽线)	V _{cc} (5V)	GND (0V) KTY84(黄色)	Rt (KTY84 蓝色)	Z+	Z-	B+	B-	A+	A-
电机插座编号	0	12	10	11	3	4	8	1	5	6
GR 系列 CN2 编号	金属层	19/21	15/17	1	7	6	3	2	5	4

适配正余弦编码器,引出线按驱动单元要求连接到驱动单元反馈信号 CN3 (MDR20 插头) 的插头上时, 其对应关系见表 7。

表 7 适配正余弦编码器定义 (连接 CN3 接口)

编码器与 温度传感器引线	机壳地 (屏蔽线)	V _{cc} (5V)	GND (0V) KTY84(黄色)	Rt(KTY84 蓝色)	Z+	Z-	B+	B-	A+	A-
电机插座编号	0	12	10	11	3	4	8	1	5	6
GR 系列 CN3 编号	金属层	20	12/19	11	1	2	3	4	5	6

9.3.2 旧 ZJY182 系列电动机的增量式编码器引线通过接线盒内的 12 芯接插件插头引出, 其对应关系见表 8。引出线按驱动单元要求连接到驱动单元反馈信号 CN2 的插头上。



插头 (背面) 示意

表 8 旧 ZJY182 系列电机增量式编码器定义

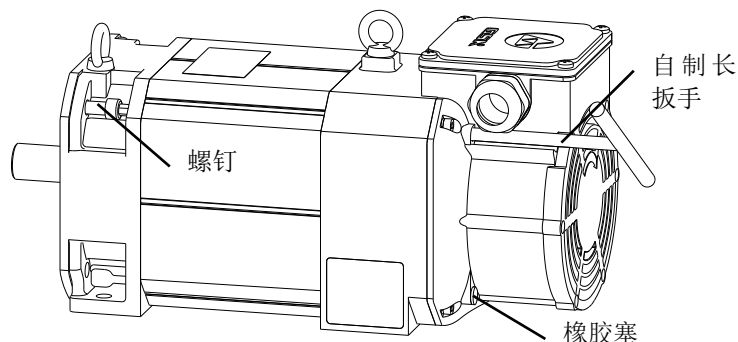
编码器引线	机壳 (地)	V _{cc}	GND	A+	A-	B+	B-	Z+	Z-
插座编号	1	9	5	6	10	7	11	8	12

10 电动机的安装

电动机需要运行在 2000r/min 以上转速时，推荐选用光轴的电机，使用胀紧套方式固定皮带轮，并且皮带轮及胀紧套必须是经过动平衡工艺并达到 G1 要求，否则高速运行时会产生较大的振动。

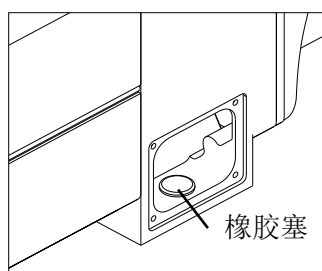
10.1 B5 凸缘安装方式（或使用 B35 的凸缘安装方式）

ZJY141A 系列使用 M8×35 的内六角螺钉安装，ZJY182A 系列使用 M10×35 的内六角螺钉安装，ZJY208A、ZJY265A 系列使用 M12×45 的内六角螺钉安装。ZJY320 使用 M16×60 的内六角螺钉安装。使用内六角螺钉时，可自制一根长度大于电动机总长的内六角扳手，取下风机罩上的橡胶塞，从后端紧固螺钉，紧固后塞回橡胶塞，如下图所示。



10.2 B3 底脚安装方式（或使用 B35 的底脚安装方式）

安装时先卸下后端盖两侧边的封板，B35 结构的还要取下底脚孔上的橡胶塞（见下图），ZJY182A 和 ZJY208A 使用 M10×30 的内六角螺钉安装，ZJY265A 使用 M12×40 的内六角螺钉安装。ZJY320 使用 M16×55 的内六角螺钉安装。



电动机固定好以后，后端盖两侧边的封板必须安装，不然会因为漏风影响冷却效果，造成电动机过热损坏。

11 电动机的贮存

电动机应存放在环境温度为 $-40^{\circ}\text{C}\sim 70^{\circ}\text{C}$ 、相对湿度不大于 95%的清洁通风良好的库房内，空气中不得含有腐蚀性气体。

12 电动机的运输

运输过程中应小心轻放，避免碰撞和冲击，严禁与酸、碱等腐蚀性物质放在一起。

13 质量保证期

用户在符合产品运输、储存、安装、调试、维修及遵守使用规程的条件下，自本公司发货之日起（按发货凭证为据）壹年内，凡电动机因制造质量不良而发生损坏或不能正常使用时，本公司负责免费修理。

注 1：以上电动机为本公司推荐规格，可适应多数应用场合，如果用户有新的要求，本公司可提供其他规格的电动机。

注 2：本公司生产的电动机的基本轴伸为圆柱不带键槽型式。本公司可根据用户的需要提供其他不同轴伸型式的电动机（订货时需特别注明），圆柱形带键槽轴（可参看 GB/T 756—2010）。

14 电动机的接地


14.1 电动机的接地为保护接地，为防止电动机的金属外壳可能带电，从而危及人身和设备的安全而设的接地。


14.2 电动机必须可靠接地。根据 GB 50169《电气装置安装工程接地装置施工及验收规范》，在通电运行前必须做到以下几点：

- 应采用铜导体作为接地极或接地线。接地极与接地线的连接应采用焊接。
- 电气设备上的接地线，应采用热镀锌螺栓连接。
- 电动机相线截面积小于 25mm^2 ，接地线应等同相线的截面积。
- 保护接地端子除作保护接地外，不应兼作他用。
- 接地电阻应小于 $4\ \Omega$ 。
- 严禁将三相四线的中线作为接地线使用。
- 对于高土壤电阻率地区，应采用措施降低接地电阻（参照GB 50169），确保接地电阻在允许范围。

14.3 对于接地线及接地电阻未达到以上要求的场合，需要参照 GB 50169 进行重新敷设。

注：采用变频器或者伺服驱动单元控制主轴伺服电动机时，其高频工作特性决定金属外壳将有高频电压存在（对人无伤害），金属外壳需要可靠接地，从而将电量导入大地（产生漏电流），确保金属外壳与大地等电位。

 **In this Operating Manual, we will endeavor to describe various matters related to the GSK ZJY series spindle servo motor series. It is not possible to describe in detail all the operations that need not be done and/or cannot be done due to length constraints and specific product usage. Therefore, anything not specifically indicated in this Operating Manual should be deemed to be the operation that is "impossible" or "not permitted".**

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Preface

Dear Customers:

Thanks for choosing GSK ZJY series spindle servo motor (hereinafter referred to as "the motor") of GSK CNC Equipment Co., Ltd.

In order to guarantee safe, normal and effective operation of the motor, please read this Operating Manual carefully before installing and using this product.

Safety Warnings and Precautions



Improper connection and operation will cause an accident!

Prior to operation, please read this Operating Manual carefully.

- 1 The motor is equipped with photoelectric encoder. It is strictly prohibited to knock on the motor during installation. Users are not allowed to disassemble the photoelectric encoder without permission, otherwise the encoder will be damaged, and the motor cannot operate.**
- 2 The insulation resistance of the motor winding to the housing should be measured with a 1000V megohmmeter under normal weather conditions, and should not be less than 20 MΩ.**
- 3 The motor and the drive unit should be correctly connected as per the wiring method described in this Operating Manual to ensure that the protective grounding is firmly and reliably connected.**
- 4 There should be no abnormal noise and vibration if the motor operates without load from zero speed to the highest speed. It can be put into load operation only in this case.**
- 5 Do not touch the running motor shaft and the motor housing while the motor is operating.**
- 6 Only qualified personnel are allowed to adjust and maintain the motor.**
- 7 Do not drag the electric wire (cable), motor shaft and encoder to handle the motor.**
- 8 The Company will not assume any responsibility for any change of the product by the user, and the warranty of the product will be invalidated accordingly.**

All specifications and designs are subject to changes without prior notice.

Safety Responsibilities

Manufacturer's Safety Responsibilities

- The manufacturer should be responsible for the hazard of the supplied motor and accompanied accessories that has been eliminated and/or controlled in design and structure.
- The manufacturer should be responsible for the safety of the supplied motor and accompanied accessories.
- The manufacturer should be responsible for the use information and advice provided for the user.

Users' Safety Responsibilities

- Users should be familiar with and master the safe operation through learning and training of the safe operation of the motor.
- Users should be responsible for the safety and hazard as a result of adding, changing or modifying the original motor and accessories by themselves.
- Users should be responsible for any hazard caused by failure to operate, adjust, maintain, install, store and transport the product in accordance with this Operating Manual.

This manual shall be kept by final users.

Thank you very much for using the products of GSK CNC Equipment Co., Ltd. and your friendly support to our company!

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1 Product Introduction

GSK ZJY series spindle servo motor is a new high-performance three-phase induction motor independently developed and manufactured by GSK CNC Equipment Co., Ltd. The product is of F class insulation structure, and provided with corona-resistant enameled wire for variable frequency motor, as well as high-speed and high-precision encoder. The product features compact structure, high rotation accuracy, low noise, high reliability, high performance and price ratio, and can meet the requirements of machine CNC and automation to a large extent.



2 Product Features

- ✧ Boasting fully enclosed air-cooled structure without housing, the product is aesthetic in appearance and compact in structure.
- ✧ Optimized electromagnetic design is adopted to ensure low electromagnetic noise, smooth operation and high efficiency.
- ✧ Imported high-precision bearing and rotor high-precision dynamic balancing technology are adopted to ensure stable and reliable motor operating in the maximum speed range, with small vibration and low noise.
- ✧ With corona-resistant enameled wire, the motor can reliably operate at the ambient temperature of $-15^{\circ}\text{C}\sim 40^{\circ}\text{C}$ and in an environment with dust or oil mist.
- ✧ High-speed and high-precision encoder is adopted, which can be used for high-precision speed and position control in combination with high-performance drive unit.
- ✧ The product has strong overload capability, and can operate reliably at 150% rated power for 30 min and 300% rated power for 5 min.
- ✧ The product supports a wide range of speed regulation, with the maximum speed of 12000 r/min.
- ✧ The product has impact resistance, long service life and high cost performance.
- ✧ Protection grade: IP54 (GB/T 4942 - 2021).
- ✧ Insulation grade: Class F (GB/T 755 - 2019).
- ✧ Vibration class: Class B (GB/T 10068 - 2020).

3 Operating Environment

- The altitude should not exceed 1000 m.
- The ambient temperature is within the range of -10°C~40°C.
- Relative air humidity: ≤ 90% (no condensation).
- AC steady-state voltage value is: **(0.85 ~ 1.1) × AC rated voltage value.**

4 Model Description

Example: **ZJY265A-7.5VMD-B3A2LY1-L**

ZJY	265	A	-	7.5	V	M	D	-	B3	A2	L	Y1	(**)	-	L
(1)	(2)	(3)		(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)		(13)

S/N	Meaning
(1)	Spindle servo motor
(2)	Base No.(141, 182, 208, 265, 320)
(3)	Design serial number (N/A: original, A, B, C, C.....: Design serial number)
(4)	Rated power (Unit: kW)
(5)	Rated speed (U: 500 r/min; V: 600 r/min; W: 750 r/min; A: 1000 r/min; B: 1500 r/min; C: 2000 r/min; E: 3000 r/min; H: 4500 r/min)
(6)	Max. speed (N: 24000 r/min; G: 15000 r/min; F: 12000 r/min; H: 10000 r/min; M: 7000 r/min; L: 4500 r/min) (M for base No. of ZJY320 and above: 6000 r/min)
(7)	N/A: Ordinary motor; D: Double-speed (supporting switching between high-speed and low speed) motor
(8)	Structure installation type: (Flange installation for B5, foot installation for B3, flange or foot installation for B35)
(9)	Encoder type (N/A: incremental 1024 p/r; A2: incremental 5000 p/r; A5: absolute 21 bit; C1: 128-tooth chord wave magnetic encoder; C2: 256-tooth chord wave magnetic encoder; C3: 384-tooth chord wave magnetic encoder; C5: 512-tooth chord wave magnetic encoder; F13: 128-tooth 8X subdivision square wave gear encoder, equivalent to 128 * 8 = 1024 lines F14: 128-tooth 16X subdivision square wave gear encoder, equivalent to 128 * 16 = 2048 lines F15: 128-tooth 32X subdivision square wave gear encoder, equivalent to 128 * 32 = 4096 lines F23: 256-tooth 8X subdivision square wave gear encoder, equivalent to 256 * 8 = 2048 lines F24: 256-tooth 16X subdivision square wave gear encoder, equivalent to 256 * 16 = 4096 lines F25: 256-tooth 32X subdivision square wave gear encoder, equivalent to 256 * 32 = 8192 lines
(10)	Connection box position viewed from the shaft extension end (N/A: connection box on the top; R: connection box on the right; L: connection box on the left)
(11)	Shaft extension (N/A: Optical axis; Y1: with standard spline)
(12)	Customer's special order code, indicated by two capital letters with brackets
(13)	Supply voltage (N/A: Three-phase 380 V ~ 440 V; L: three-phase 220V)

5 Main Technical Specifications and Overall Dimensions

5.1 Table 1 shows the main technical specifications and overall dimensions of three-phase 380 V ~ 440 V spindle motor.

Table 1

Item	Specifications								
	ZJY141A-3.7EN	ZJY141A-5.5HN	ZJY141A-1.5EG	ZJY141A-2.2EG	ZJY182A-3.7BL	ZJY182A-5.5BL	ZJY182A-1.5BH	ZJY182A-2.2BH	
Rated power (kW)	3.7	5.5	1.5	2.2	3.7	5.5	1.5	2.2	
Adaptive drive unit model	GS/GR3 050	GS/GR3 100	GS/GR3 048	GS/GR3 048	GS/GR3 050	GS/GR3 050	GS/GR3 048	GS/GR3 048	
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz								
Rated current (A)	11.5	23	5.2	7.4	10.4	13.8	6.3	7.5	
Rated frequency (Hz)	104.3	154.4	104.7	104.3	53.7	53.5	53.9	53.6	
Rated torque (N·m)	11.8	11.7	4.8	7	24	35	9.5	14	
Power in 30 min (kW)	5.5	7.5	2.2	3.7	5.5	7.5	2.2	3.7	
Current in 30 min (A)	15.6	29	7	11.2	14.8	18	9.3	11	
Torque in 30 min (N·m)	17.5	15.9	7	11.8	35	48	14	24	
Rated speed (r/min)	3000	4500	3000	3000	1500	1500	1500	1500	
Constant power range (r/min)	3000~8000	4500~20000	3000~15000	3000~15000	1500~4500	1500~4500	1500~7000	1500~7000	
Max. speed (r/min)	24000	24000	15000	15000	4500	4500	10000	10000	
Moment of inertia (kg·m ²)	0.0038	0.0038	0.0022	0.0029	0.0068	0.0102	0.0040	0.0054	
Weight (kg)	22	22	14.8	18.3	37	52	27	32	
Installation type	IM B5				IM B5 or B35				
Cooling fan power supply	Single-phase AC 220 V 50 Hz 24 W 0.13A				Three-phase AC 380V ~ 440V 50/60Hz 37W 0.1A				
Overall dimensions (See 5.4 for outline drawing)	A	141	141	141	141	182	182	182	182
	B	70.5	70.5	70.5	70.5	91	91	91	91
	C	123	123	123	123	123	123	123	123
	D	145	145	145	145	185	185	185	185
	E	50	50	50	50	60	60	60	60
	F	384	384	304	344	371	436	319	346
	G	220.5	220.5	140.5	180.5	249	314	197	224
	H	110h7	110h7	110h7	110h7	150h7	150h7	150h7	150h7
	I	9.3	9.3	9.3	9.3	12	12	12	12
	J	24h6	24h6	24h6	24h6	28h6	28h6	28h6	28h6
	K	162.5	162.5	162.5	162.5	158	158	158	158
	L	213	213	213	213	93	93	93	93
	N					156	156	156	156
	P					32	32	32	32
	Q					184	249	132	159
S	50	50	50	50	60	60	60	60	
T	5	5	5	5	4	4	4	4	
Z					12	12	12	12	

Table 1 (Continued)

Item	Specifications								
	ZJY182A-3.7BH	ZJY182A-5.5BH	ZJY182A-3.7EG	ZJY182A-5.5EG	ZJY182A-7.5EG	ZJY208A-3.7WL	ZJY208A-2.2AM	ZJY208A-3.7AM	
Rated power (kW)	3.7	5.5	3.7	5.5	7.5	3.7	2.2	3.7	
Adaptive drive unit model	GS/GR3050	GS/GR3075	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3050	GS/GR3048	GS/GR3050	
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz								
Rated current (A)	15.5	17.3	11.6	16.6	20.2	11.3	6.7	10.2	
Rated frequency (Hz)	53.1	53.5	103.2	103.3	103.2	27.3	35.7	35.7	
Rated torque (N·m)	24	35	11.8	17.5	24	47	21	35	
Power in 30 min (kW)	5.5	7.5	5.5	7.5	11	5.5	3.7	5.5	
Current in 30 min (A)	19.6	21.8	15.4	20.7	26.6	16	10.6	14.2	
Torque in 30 min (N·m)	35	48	17.5	24	35	70	35	53	
Rated speed (r/min)	1500	1500	3000	3000	3000	750	1000	1000	
Constant power range (r/min)	1500~7500	1500~7000	3000~12000	3000~12000	3000~11000	750~4000	1000~4500	1000~5000	
Max. speed (r/min)	10000	10000	15000	15000	15000	4500	7000	7000	
Moment of inertia (kg·m ²)	0.0083	0.0102	0.0054	0.0068	0.0083	0.0250	0.0142	0.0196	
Weight (kg)	43	52	32	37	43	77	51	66	
Installation type	IM B5 or B35								
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 37W 0.1A				Three-phase AC 380V ~ 440V 50/60Hz 40W 0.14A				
Overall dimensions (See 5.4 for outline drawing)	A	182	182	182	182	182	208	208	208
	B	91	91	91	91	91	104	104	104
	C	123	123	123	123	123	160	160	160
	D	185	185	185	185	185	215	215	215
	E	60	60	60	60	60	80	60	80
	F	401	436	346	371	401	524	414	469
	G	279	314	224	249	279	395	285	340
	H	150h7	150h7	150h7	150h7	150h7	180h7	180h7	180h7
	I	12	12	12	12	12	14	14	14
	J	28h6	28h6	28h6	28h6	28h6	38h6	28h6	38h6
	K	158	158	158	158	158	212	212	212
	L	93	93	93	93	93	106	106	106
	N	156	156	156	156	156	180	180	180
	P	32	32	32	32	32	40	40	40
	Q	214	249	159	184	214	320	210	265
	S	60	60	60	60	60	80	60	80
T	4	4	4	4	4	5	5	5	
Z	12	12	12	12	12	12	12	12	

Table 1 (Continued)

Item	Specifications							
	ZJY208A-5.5AM	ZJY208A-5.5BL	ZJY208A-7.5BL	ZJY208A-9BL	ZJY208A-3.7BM	ZJY208A-5.5BM	ZJY208A-7.5BM	ZJY208A-2.2BH
Rated power (kW)	5.5	5.5	7.5	9	3.7	5.5	7.5	2.2
Adaptive drive unit model	GS/GR3075	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3050	GS/GR3050	GS/GR3075	GS/GR3048
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz							
Rated current (A)	16.3	12.9	17.9	21.6	8.6	13	17	8.9
Rated frequency (Hz)	35.7	53.3	52.9	52.6	52.9	52.4	52.7	52.6
Rated torque (N·m)	53	35	48	57.3	24	35	48	14
Power in 30 min (kW)	7.5	7.5	11	12	5.5	7.5	11	3.7
Current in 30 min (A)	20.5	16.8	24	27.2	12.7	16.9	24.6	13.8
Torque in 30 min (N·m)	72	48	70	76.4	35	48	70	24
Rated speed (r/min)	1000	1500	1500	1500	1500	1500	1500	1500
Constant power range (r/min)	1000~5000	1500~4500	1500~4500	1500~4500	1500~5500	1500~5500	1500~5500	1500~8500
Max. speed (r/min)	7000	4500	4500	4500	7000	7000	7000	10000
Moment of inertia (kg·m ²)	0.0250	0.0143	0.0196	0.0256	0.0142	0.0196	0.0250	0.0093
Weight (kg)	77	51.5	66	77	51	66	77	49
Installation type	IM B5 or B35							
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 40W 0.14A							
Overall dimensions (See 5.4 for outline drawing)	A	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215
	E	80	80	80	80	60	80	80
	F	524	414	469	524	414	469	524
	G	395	285	340	395	285	340	395
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14
	J	38h6	38h6	38h6	38h6	28h6	38h6	38h6
	K	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40
	Q	320	210	265	320	210	265	320
	S	80	80	80	80	60	80	80
	T	5	5	5	5	5	5	5
Z	12	12	12	12	12	12	12	

Table 1 (Continued)

Item	Specifications							
	ZJY208A-3.7BH	ZJY208A-5.5BH	ZJY208A-7.5BH	ZJY208A-11CM	ZJY208A-11CH	ZJY208A-5.5CF	ZJY208A-7.5CF	ZJY208A-11CF
Rated power (kW)	3.7	5.5	7.5	11	11	5.5	7.5	11
Adaptive drive unit model	GS/GR3050	GS/GR3075	GS/GR3100	GS/GR3148	GS/GR3148	GS/GR3075	GS/GR3100	GS/GR3148
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz							
Rated current (A)	12.6	18.4	22.4	28.3	28.3	19	25.8	28.3
Rated frequency (Hz)	52.5	52.4	52.6	69.1	69	69	69	69.1
Rated torque (N·m)	24	35	48	52.6	52.5	26.3	35.8	52.6
Power in 30 min (kW)	5.5	7.5	11	15	15	7.5	11	15
Current in 30 min (A)	18	24	32.2	37	37	24	34.9	37
Torque in 30 min (N·m)	35	48	70	71.6	71.6	35.8	52.5	71.6
Rated speed (r/min)	1500	1500	1500	2000	2000	2000	2000	2000
Constant power range (r/min)	1500~8500	1500~8500	1500~8500	2000~7000	2000~8000	2000~10000	2000~10000	2000~10000
Max. speed (r/min)	10000	10000	10000	7000	10000	12000	12000	12000
Moment of inertia (kg·m ²)	0.0142	0.0196	0.0250	0.0256	0.0250	0.0142	0.0196	0.0256
Weight (kg)	51	66	77	77.5	77	51	66	77.5
Installation type	IM B5 or B35							
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 40W 0.14A							
Overall dimensions (See 5.4 for outline drawing)	A	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215
	E	60	80	80	110	80	80	80
	F	414	469	524	524	524	414	469
	G	285	340	395	395	395	285	340
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14
	J	28h6	38h6	38h6	48h6	38h6	38h6	38h6
	K	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40
	Q	210	265	320	320	320	210	265
	S	60	80	80	110	80	80	80
T	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	

Table 1 (Continued)

Item	Specifications								
	ZJY208A-15EM	ZJY208A-5.5EF	ZJY208A-7.5EF	ZJY208A-11EF	ZJY265A-5.5WL	ZJY265A-7.5WL	ZJY265A-11WL	ZJY265A-15WL	
Rated power (kW)	15	5.5	7.5	11	5.5	7.5	11	15	
Adaptive drive unit model	GS/GR3 150	GS/GR3 050	GS/GR3 075	GS/GR3 100	GS/GR3 075	GS/GR3 100	GS/GR3 148	GS/GR3 150	
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz								
Rated current (A)	32.8	12.8	17.7	25.2	16.3	21.4	30	36.3	
Rated frequency (Hz)	102.4	102.9	102.2	102.2	26.6	26.7	27.2	26.9	
Rated torque (N·m)	48	17.5	24	35	70	95.5	140	191	
Power in 30 min (kW)	18.5	7.5	11	15	7.5	11	15	18.5	
Current in 30 min (A)	39	16	23.3	31.7	20.8	30.1	41	43	
Torque in 30 min (N·m)	59	24	35	48	95.5	140	191	235	
Rated speed (r/min)	3000	3000	3000	3000	750	750	750	750	
Constant power range (r/min)	3000~7000	3000~8000	3000~8000	3000~9500	750~4000	750~3500	750~3500	750~3500	
Max. speed (r/min)	7000	12000	12000	12000	4500	4500	4500	4500	
Moment of inertia (kg·m ²)	0.0250	0.0093	0.0142	0.0196	0.0606	0.0743	0.0888	0.1145	
Weight (kg)	77	49	51	66	107	125	143	199	
Installation type	IM B5 or B35				IM B5 or B3				
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 40W 0.14A				Three-phase AC 380V ~ 440V 50/60Hz 70W 0.21A				
Overall dimensions (See 5.4 for outline drawing)	A	208	208	208	208	265	265	265	265
	B	104	104	104	104	132	132	132	132
	C	160	160	160	160	185	185	185	185
	D	215	215	215	215	265	265	265	265
	E	80	80	80	80	110	110	110	110
	F	524	364	414	469	487	532	577	662
	G	395	235	285	340	347	392	437	522
	H	180h7	180h7	180h7	180h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	38h6	38h6	38h6	38h6	48h6	48h6	55h6	55h6
	K	212	212	212	212	256	256	256	256
	L	106	106	106	106	135	135	135	135
	N	180	180	180	180	230	230	230	230
	P	40	40	40	40	40	40	40	40
	Q	320	160	210	265	270	315	360	445
	S	80	80	80	80	110	110	110	110
T	5	5	5	5	5	5	5	5	
Z	12	12	12	12	15	15	15	15	

Table 1 (Continued)

Item	Specifications								
	ZJY265A-7.5AM	ZJY265A-11AM	ZJY265A-15AM	ZJY265A-18.5AM	ZJY265A-11BL	ZJY265A-15BL	ZJY265A-7.5BM	ZJY265A-11BM	
Rated power (kW)	7.5	11	15	18.5	11	15	7.5	11	
Adaptive drive unit model	GS/GR3 100	GS/GR3 148	GS/GR3 150	GS/GR3 198	GS/GR3 100	GS/GR3 150	GS/GR3 075	GS/GR3 100	
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz								
Rated current (A)	21.5	30.9	48.3	46.5	25.8	35	18	26	
Rated frequency (Hz)	35.2	35.2	35.1	35	52.1	52.3	52.3	52.2	
Rated torque (N·m)	72	105	143	177	70	95.5	48	70	
Power in 30 min (kW)	11	15	18.5	22	15	18.5	11	15	
Current in 30 min (A)	29	40.2	56	53	33.3	41.2	26	34	
Torque in 30 min (N·m)	105	143	177	210	95.5	118	70	95.5	
Rated speed (r/min)	1000	1000	1000	1000	1500	1500	1500	1500	
Constant power range (r/min)	1000~4500	1000~4500	1000~4500	1000~4500	1500~4500	1500~4500	1500~5000	1500~5500	
Max. speed (r/min)	7000	7000	7000	7000	4500	4500	7000	7000	
Moment of inertia (kg·m ²)	0.0464	0.0734	0.0869	0.1043	0.0464	0.0599	0.0464	0.0599	
Weight (kg)	89	125	143	162	89	107	89	107	
Installation type	IM B5 or B3								
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 70W 0.21A								
Overall dimensions (See 5.4 for outline drawing)	A	265	265	265	265	265	265	265	265
	B	132	132	132	132	132	132	132	132
	C	185	185	185	185	185	185	185	185
	D	265	265	265	265	265	265	265	265
	E	110	110	110	110	110	110	110	110
	F	442	532	577	632	442	487	442	487
	G	302	392	437	492	302	347	302	347
	H	230h7	230h7	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	48h6	48h6	48h6	55h6	48h6	48h6	48h6	48h6
	K	256	256	256	256	256	256	256	256
	L	135	135	135	135	135	135	135	135
	N	230	230	230	230	230	230	230	230
	P	40	40	40	40	40	40	40	40
	Q	225	315	360	415	225	270	225	270
	S	110	110	110	110	110	110	110	110
T	5	5	5	5	5	5	5	5	
Z	15	15	15	15	15	15	15	15	

Table 1 (Continued)

Item	Specifications						
	ZJY265A-15BM	ZJY265A-18.5BM	ZJY265A-22BM	ZJY265A-7.5BH	ZJY265A-11BH	ZJY265A-15BH	ZJY265A-15CM
Rated power (kW)	15	18.5	22	7.5	11	15	15
Adaptive drive unit model	GS/GR31 50	GS/GR31 50	GS/GR31 98	GS/GR31 00	GS/GR31 48	GS/GR31 50	GS/GR31 50
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz						
Rated current (A)	35	48.7	58	21	30	40.7	31.7
Rated frequency (Hz)	51.9	51.8	51.7	51.7	51.7	51.7	68.3
Rated torque (N·m)	95.5	118	140	48	70	95.5	71.6
Power in 30 min (kW)	18.5	22	30	11	15	18.5	18.5
Current in 30 min (A)	42	54.7	73	28.5	38.3	42.7	37.6
Torque in 30 min (N·m)	118	140	191	70	95.5	118	88
Rated speed (r/min)	1500	1500	1500	1500	1500	1500	2000
Constant power range (r/min)	1500~ 5500	1500~ 5500	1500~ 5500	1500~ 8000	1500~ 8500	1500~ 7500	2000~ 7000
Max. speed (r/min)	7000	7000	7000	10000	10000	10000	7000
Moment of inertia (kg·m ²)	0.0734	0.0878	0.1043	0.0464	0.0599	0.0734	0.0599
Weight (kg)	125	143	162	89	107	125	107
Installation type	IM B5 or B3						
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 70W 0.21A						
Overall dimensions (See 5.4 for outline drawing)	A	265	265	265	265	265	265
	B	132	132	132	132	132	132
	C	185	185	185	185	185	185
	D	265	265	265	265	265	265
	E	110	110	110	110	110	110
	F	532	577	632	442	487	532
	G	392	437	492	302	347	392
	H	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14
	J	48h6	55h6	55h6	48h6	48h6	48h6
	K	256	256	256	256	256	256
	L	135	135	135	135	135	135
	N	230	230	230	230	230	230
	P	40	40	40	40	40	40
	Q	315	360	415	225	270	315
	S	110	110	110	110	110	110
	T	5	5	5	5	5	5
Z	15	15	15	15	15	15	

Table 1 (Continued)

Item	Specifications							
	ZJY320-15WL	ZJY320-18.5WL	ZJY320-22WL	ZJY320-30BL	ZJY320-37BL	ZJY320-45BL	ZJY320-30BM	ZJY320-37BM
Rated power (kW)	15	18.5	22	30	37	45	30	37
Adaptive drive unit model	GS/GR3198	GS/GR3300	GS/GR3300	GS/GR3300	GS/GR3300	GS/GR3300	GS/GR3300	GS/GR3300
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz							
Rated current (A)	35	51	58	69	87	100	69	87
Rated frequency (Hz)	26.3	26.1	26	51.2	51.1	51.1	51.2	51.1
Rated torque (N·m)	191	235	280	191	235	286	191	235
Power in 30 min (kW)	22	22	30	37	45	55	37	45
Current in 30 min (A)	52	59	73	83	102	118	83	102
Torque in 30 min (N·m)	280	280	381	235	286	352	235	286
Rated speed (r/min)	750	750	750	1500	1500	1500	1500	1500
Constant power range (r/min)	750~4500	750~4000	750~4000	1500~4500	1500~4500	1500~4000	1500~4500	1500~5000
Max. speed (r/min)	4500	4500	4500	4500	4500	4500	6000	6000
Moment of inertia (kg·m ²)	0.24	0.2997	0.345	0.24	0.2997	0.348	0.24	0.2997
Weight (kg)	208	249	285	208	249	293	208	249
Installation type	IM B35							
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 60W 0.22A							
Overall dimensions (See 5.4 for outline drawing)	A	320	320	320	320	320	320	320
	C	193	193	193	193	193	193	193
	D	350	350	350	350	350	350	350
	E	140	140	140	140	140	140	140
	F	645	715	765	645	715	785	645
	G	459	529	579	459	529	599	459
	H	300h7	300h7	300h7	300h7	300h7	300h7	300h7
	I	19	19	19	19	19	19	19
	J	60h6	60h6	60h6	60h6	60h6	60h6	60h6
	L	165	165	165	165	165	165	165
	N	279	279	279	279	279	279	279
	P	50	50	50	50	50	50	50
	Q	380	450	500	380	450	520	380
T	5	5	5	5	5	5	5	
Z	18	18	18	18	18	18	18	

5.2 Table 2 shows the main technical specifications and overall dimensions of three-phase 220 V spindle motor.

Table 2

Item	Specifications									
	ZJY182A -3.7BL	ZJY182A -5.5BL	ZJY182A -1.5BH	ZJY182A -2.2BH	ZJY182A -3.7BH	ZJY182A -5.5BH	ZJY182A -3.7EG	ZJY182A -5.5EG	ZJY182A -7.5EG	
Rated power (kW)	3.7	5.5	1.5	2.2	3.7	5.5	3.7	5.5	7.5	
Adaptive drive unit model	GS/GR 2075	GS/GR 2100	GS/GR 2050	GS/GR 2050	GS/GR 2100	GS/GR 2100	GS/GR 2100	GS/GR 2100	GS/GR 2148	
Drive unit power supply (V)	Three-phase AC 220V 50/60Hz									
Rated current (A)	17.9	23.9	10.7	12.9	23.5	30	20	28.8	35	
Rated frequency (Hz)	53.7	53.5	53.9	53.6	53.1	53.5	103.2	103.3	103.2	
Rated torque (N·m)	24	35	9.5	14	24	35	11.8	17.5	24	
Power in 30 min (kW)	5.5	7.5	2.2	3.7	5.5	7.5	5.5	7.5	11	
Current in 30 min (A)	25.2	31.1	17.6	20	36.4	40.7	26.7	35.8	47.3	
Torque in 30 min (N·m)	35	48	14	24	35	48	17.5	24	35	
Rated speed (r/min)	1500	1500	1500	1500	1500	1500	3000	3000	3000	
Constant power range (r/min)	1500~ 4500	1500~ 4500	1500~ 7000	1500~ 7000	1500~ 7500	1500~ 7000	3000~ 12000	3000~ 12000	3000~ 11000	
Max. speed (r/min)	4500	4500	10000	10000	10000	10000	15000	15000	15000	
Moment of inertia (kg·m ²)	0.0068	0.0102	0.0040	0.0054	0.0083	0.0102	0.0054	0.0068	0.0083	
Weight (kg)	37	52	27	32	43	52	32	37	43	
Installation type	IM B5 or B35									
Cooling fan power supply	Three-phase AC 220V 50/60Hz 37W 0.1A									
Overall dimensions (See 5.4 for outline drawing)	A	182	182	182	182	182	182	182	182	
	B	91	91	91	91	91	91	91	91	
	C	123	123	123	123	123	123	123	123	
	D	185	185	185	185	185	185	185	185	
	E	60	60	60	60	60	60	60	60	
	F	371	436	319	346	401	436	346	371	401
	G	249	314	197	224	279	314	224	249	279
	H	150h7	150h7	150h7	150h7	150h7	150h7	150h7	150h7	150h7
	I	12	12	12	12	12	12	12	12	12
	J	28h6	28h6	28h6	28h6	28h6	28h6	28h6	28h6	28h6
	K	158	158	158	158	158	158	158	158	158
	L	93	93	93	93	93	93	93	93	93
	N	156	156	156	156	156	156	156	156	156
	P	32	32	32	32	32	32	32	32	32
	Q	184	249	132	159	214	249	159	184	214
S	60	60	60	60	60	60	60	60	60	
T	4	4	4	4	4	4	4	4	4	
Z	12	12	12	12	12	12	12	12	12	

Table 2 (Continued)

Item	Specifications							
	ZJY208A-3.7WL	ZJY208A-2.2AM	ZJY208A-3.7AM	ZJY208A-5.5AM	ZJY208A-5.5BL	ZJY208A-7.5BL	ZJY208A-9BL	ZJY208A-3.7BM
Rated power (kW)	3.7	2.2	3.7	5.5	5.5	7.5	9	3.7
Adaptive drive unit model	GS/GR2075	GS/GR2050	GS/GR2075	GS/GR2100	GS/GR2100	GS/GR2100	GS/GR2148	GS/GR2075
Drive unit power supply (V)	Three-phase AC 220V 50/60Hz							
Rated current (A)	19.6	11.6	17.7	28.2	22.4	31	37.5	14.9
Rated frequency (Hz)	27.3	35.7	35.7	35.7	53.3	52.9	52.6	52.9
Rated torque (N·m)	47	21	35	53	35	48	57.3	24
Power in 30 min (kW)	5.5	3.7	5.5	7.5	7.5	11	12	5.5
Current in 30 min (A)	27.3	18.4	24.6	35.5	28	41.3	46.2	22
Torque in 30 min (N·m)	70	35	53	72	48	70	76.4	35
Rated speed (r/min)	750	1000	1000	1000	1500	1500	1500	1500
Constant power range (r/min)	750~4000	1000~4500	1000~5000	1000~5000	1500~4500	1500~4500	1500~4500	1500~5500
Max. speed (r/min)	4500	7000	7000	7000	4500	4500	4500	7000
Moment of inertia (kg·m ²)	0.0250	0.0142	0.0196	0.0250	0.0143	0.0196	0.0250	0.0142
Weight (kg)	77	51	66	77	51.5	66	77	51
Installation type	IM B5 or B35							
Cooling fan power supply	Three-phase AC 220V 50/60Hz 40W 0.14A							
Overall dimensions (See 5.4 for outline drawing)	A	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215
	E	80	60	80	80	80	80	80
	F	524	414	469	524	414	469	524
	G	395	285	340	395	285	340	395
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14
	J	38h6	28h6	38h6	38h6	38h6	38h6	38h6
	K	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40
	Q	320	210	265	320	210	265	320
	S	80	60	80	80	80	80	80
T	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	

Table 2 (Continued)

Item	Specifications								
	ZJY208A-5.5BM	ZJY208A-7.5BM	ZJY208A-2.2BH	ZJY208A-3.7BH	ZJY208A-5.5BH	ZJY208A-7.5BH	ZJY208A-11CM	ZJY208A-5.5CF	
Rated power (kW)	5.5	7.5	2.2	3.7	5.5	7.5	11	5.5	
Adaptive drive unit model	GS/GR2100	GS/GR2100	GS/GR2075	GS/GR2100	GS/GR2100	GS/GR2148	GS/GR2200	GS/GR2100	
Drive unit power supply (V)	Three-phase AC 220V 50/60Hz								
Rated current (A)	22.5	29.4	15.3	21.8	31.8	38.9	48.9	33	
Rated frequency (Hz)	52.4	52.7	52.6	52.5	52.4	52.6	69.1	69	
Rated torque (N·m)	35	48	14	24	35	48	52.6	26.3	
Power in 30 min (kW)	7.5	11	3.7	5.5	7.5	11	15	7.5	
Current in 30 min (A)	29.3	42.6	23.9	31.2	41.6	50.7	62.7	45.6	
Torque in 30 min (N·m)	48	70	24	35	48	70	71.6	35.8	
Rated speed (r/min)	1500	1500	1500	1500	1500	1500	2000	2000	
Constant power range (r/min)	1500~5500	1500~5500	1500~8500	1500~8500	1500~8500	1500~8500	2000~7000	2000~10000	
Max. speed (r/min)	7000	7000	10000	10000	10000	10000	7000	12000	
Moment of inertia (kg·m ²)	0.0196	0.0250	0.0093	0.0142	0.0196	0.0250	0.0256	0.0142	
Weight (kg)	66	77	49	51	66	77	77.5	51	
Installation type	IM B5 or B35								
Cooling fan power supply	Three-phase AC 220V 50/60Hz 40W 0.14A								
Overall dimensions (See 5.4 for outline drawing)	A	208	208	208	208	208	208	208	208
	B	104	104	104	104	104	104	104	104
	C	160	160	160	160	160	160	160	160
	D	215	215	215	215	215	215	215	215
	E	80	80	60	60	80	80	110	80
	F	469	524	364	414	469	524	524	414
	G	340	395	235	285	340	395	395	285
	H	180h7	180h7	180h7	180h7	180h7	180h7	180h7	180h7
	I	14	14	14	14	14	14	14	14
	J	38h6	38h6	28h6	28h6	38h6	38h6	48h6	38h6
	K	212	212	212	212	212	212	212	212
	L	106	106	106	106	106	106	106	106
	N	180	180	180	180	180	180	180	180
	P	40	40	40	40	40	40	40	40
	Q	265	320	160	210	265	320	320	210
	S	80	80	53	60	80	80	110	80
T	5	5	5	5	5	5	5	5	
Z	12	12	12	12	12	12	12	12	

Table 2 (Continued)

Item	Specifications									
	ZJY208A-7.5CF	ZJY208A-11CF	ZJY208A-5.5EF	ZJY208A-7.5EF	ZJY208A-11EF	ZJY265A-5.5WL	ZJY265A-7.5WL	ZJY265A-11WL	ZJY265A-7.5AM	
Rated power (kW)	7.5	11	5.5	7.5	11	5.5	7.5	11	7.5	
Adaptive drive unit model	GS/GR 2148	GS/GR 2200	GS/GR 2100	GS/GR 2100	GS/GR 2148	GS/GR 2100	GS/GR 2148	GS/GR 2200	GS/GR2 148	
Drive unit power supply (V)	Three-phase AC 220V 50/60Hz									
Rated current (A)	44.7	48.9	22.2	30.7	43.7	28.2	37	51.4	36.9	
Rated frequency (Hz)	69	69.1	102.9	102.2	102.2	26.6	26.7	27.2	35.2	
Rated torque (N·m)	35.8	52.6	17.5	24	35	70	95.5	140	72	
Power in 30 min (kW)	11	15	7.5	11	15	7.5	11	15	11	
Current in 30 min (A)	60.4	62.7	28	40.4	55	36.9	49	62.8	52.9	
Torque in 30 min (N·m)	52.5	71.6	24	35	48	95.5	140	191	105	
Rated speed (r/min)	2000	2000	3000	3000	3000	750	750	750	1000	
Constant power range (r/min)	2000~10000	2000~10000	3000~8000	3000~8000	3000~9500	750~4000	750~3500	750~3500	1000~4500	
Max. speed (r/min)	12000	12000	12000	12000	12000	4500	4500	4500	7000	
Moment of inertia (kg·m ²)	0.0196	0.0256	0.0093	0.0142	0.0196	0.0606	0.0743	0.0888	0.0464	
Weight (kg)	66	77.5	49	51	66	107	125	143	89	
Installation type	IM B5 or B35					IM B5 or B3				
Cooling fan power supply	Three-phase AC 220V 50/60Hz 40W 0.14A					Three-phase AC 220 V 50/60 Hz 70 W 0.21A				
Overall dimensions (See 5.4 for outline drawing)	A	208	208	208	208	208	265	265	265	265
	B	104	104	104	104	104	132	132	132	132
	C	160	160	160	160	160	185	185	185	185
	D	215	215	215	215	215	265	265	265	265
	E	80	110	80	80	80	110	110	110	110
	F	469	524	364	414	469	487	532	577	442
	G	340	395	235	285	340	347	392	437	302
	H	180h7	180h7	180h7	180h7	180h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14	14
	J	38h6	48h6	38h6	38h6	38h6	48h6	48h6	55h6	48h6
	K	212	212	212	212	212	256	256	256	256
	L	106	106	106	106	106	135	135	135	135
	N	180	180	180	180	180	230	230	230	230
	P	40	40	40	40	40	40	40	40	40
	Q	265	320	160	210	265	270	315	360	225
	S	80	110	80	80	80	110	110	110	110
T	5	5	5	5	5	5	5	5	5	
Z	12	12	12	12	12	15	15	15	15	

Table 2 (Continued)

Item	Specifications								
	ZJY265A -11AM	ZJY265A -11BL	ZJY265A -15BL	ZJY265A -7.5BM	ZJY265 A-11BM	ZJY265A -15BM	ZJY265A -7.5BH	ZJY265A -11BH	ZJY265A -15BH
Rated power (kW)	11	11	15	7.5	11	15	7.5	11	15
Adaptive drive unit model	GS/GR 2200	GS/GR 2148	GS/GR 2200	GS/GR 2100	GS/GR 2148	GS/GR 2200	GS/GR 2148	GS/GR 2200	GS/GR 2200
Drive unit power supply (V)	Three-phase AC 220V 50/60Hz								
Rated current (A)	53.5	44.7	60.5	31	44.7	62.3	36.5	51.9	70.5
Rated frequency (Hz)	35.2	52.1	52.3	52.3	52.2	51.9	51.7	51.7	51.7
Rated torque (N·m)	105	70	95.5	48	70	95.5	48	70	95.5
Power in 30 min (kW)	15	15	18.5	11	15	18.5	11	15	18.5
Current in 30 min (A)	68	56	73	39	53	71.8	47.4	64.5	85
Torque in 30 min (N·m)	145	95.5	118	70	95.5	118	70	95.5	118
Rated speed (r/min)	1000	1500	1500	1500	1500	1500	1500	1500	1500
Constant power range (r/min)	1000~ 4500	1500~ 4500	1500~ 4500	1500~ 5000	1500~ 5500	1500~ 5500	1500~ 8000	1500~ 8500	1500~ 7500
Max. speed (r/min)	7000	4500	4500	7000	7000	7000	10000	10000	10000
Moment of inertia (kg·m ²)	0.0734	0.0464	0.0599	0.0464	0.0599	0.0734	0.0464	0.0599	0.0734
Weight (kg)	125	89	107	89	107	125	89	107	125
Installation type	IM B5 or B3								
Cooling fan power supply	Three-phase AC 220 V 50/60 Hz 70 W 0.21A								
Overall dimensions (See 5.4 for outline drawing)	A	265	265	265	265	265	265	265	265
	B	132	132	132	132	132	132	132	132
	C	185	185	185	185	185	185	185	185
	D	265	265	265	265	265	265	265	265
	E	110	110	110	110	110	110	110	110
	F	532	442	487	442	487	532	442	487
	G	392	302	347	302	347	392	302	347
	H	230h7	230h7	230h7	230h7	230h7	230h7	230h7	230h7
	I	14	14	14	14	14	14	14	14
	J	48h6	48h6	48h6	48h6	48h6	48h6	48h6	48h6
	K	256	256	256	256	256	256	256	256
	L	135	135	135	135	135	135	135	135
	N	230	230	230	230	230	230	230	230
	P	40	40	40	40	40	40	40	40
	Q	315	225	270	225	270	315	225	270
S	110	110	110	110	110	110	110	110	
T	5	5	5	5	5	5	5	5	
Z	15	15	15	15	15	15	15	15	

5.3 Table 3 shows the main technical specifications and overall dimensions of double-speed spindle motor.

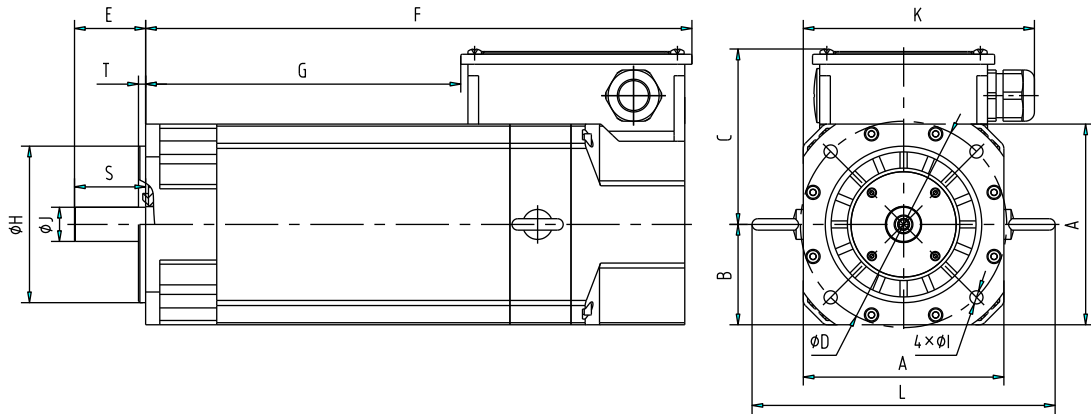
Table 3

Item	Specifications								
	ZJY265A-4.4VMD		ZJY265A-6VMD		ZJY265A-7.5VMD		ZJY265A-9VMD		
Winding connection	Y (low-speed coil)	Δ (high-speed coil)	Y (low-speed coil)	Δ (high-speed coil)	Y (low-speed coil)	Δ (high-speed coil)	Y (low-speed coil)	Δ (high-speed coil)	
Rated power (kW)	4.4	5.5	6	7.5	7.5	9	9	11	
Adaptive drive unit model	GS/GR3075		GS/GR3075		GS/GR3100		GS/GR3150		
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz								
Rated current (A)	12.9	21.9	17.6	30.1	23.6	39.2	27.8	46.7	
Rated frequency (Hz)	21.8	26.8	21.9	26.9	21.8	26.7	21.8	26.7	
Rated torque (N·m)	70	70	95.5	95.5	119	115	143	140	
Power in 30 min (kW)	8	7.5	11	9	13.5	11	18	15	
Current in 30 min (A)	22.2	27.1	29.8	34.3	36	47.7	47	58.8	
Torque in 30 min (N·m)	127	95.5	175	115	214	140	286	191	
Rated speed (r/min)	600	750	600	750	600	750	600	750	
Constant power range (r/min)	600~1500	750~5500	600~1500	750~6000	600~1500	750~6000	600~1500	750~4000	
Max. speed (r/min)	1500	7000	1500	7000	1500	7000	1500	7000	
Moment of inertia (kg·m ²)	0.0599		0.0734		0.0878		0.1043		
Weight (kg)	107		125		143		162		
Installation type	IM B5 or B3								
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 70W 0.21A								
Overall dimensions (See 5.4 for outline drawing)	A	265		265		265		265	
	B	132		132		132		132	
	C	185		185		185		185	
	D	265		265		265		265	
	E	110		110		110		110	
	F	487		532		577		632	
	G	347		392		437		492	
	H	230h7		230h7		230h7		230h7	
	I	14		14		14		14	
	J	48h6		48h6		55h6		55h6	
	K	256		256		256		256	
	L	135		135		135		135	
	N	230		230		230		230	
	P	40		40		40		40	
	Q	270		315		360		415	
	S	110		110		110		110	
T	5		5		5		5		
Z	15		15		15		15		

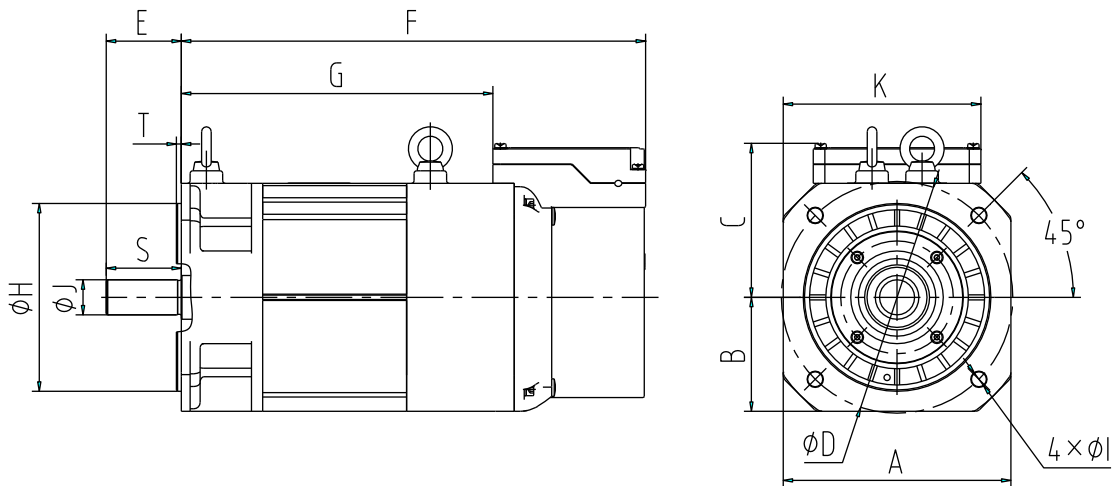
Table 3 (Continued)

Item	Specifications			
	ZJY320-15VLD		ZJY320-22VMD	
Winding connection	Y (low-speed coil)	△ (high-speed coil)	Y (low-speed coil)	△ (high-speed coil)
Rated power (kW)	15	18.5	22	22
Adaptive drive unit model	GS/GR3198		GS/GR3300	
Drive unit power supply (V)	Three-phase AC 380V ~ 440V 50/60Hz			
Rated current (A)	39	47	59	60.2
Rated frequency (Hz)	21.3	40.7	21.5	40.8
Rated torque (N·m)	238	147	350	175
Power in 30 min (kW)	22	22	30	30
Current in 30 min (A)	54	53	82	76.7
Torque in 30 min (N·m)	350	175	478	239
Rated speed (r/min)	600	1200	600	1200
Constant power range (r/min)	600~1500	1200~4500	600~1500	1200~5500
Max. speed (r/min)	1500	4500	1500	6000
Moment of inertia (kg·m ²)	0.2997		0.388	
Weight (kg)	249		309	
Installation type	IM B35			
Cooling fan power supply	Three-phase AC 380V ~ 440V 50/60Hz 60W 0.22A			
Overall dimensions (See 5.4 for outline drawing)	A	320		320
	C	193		193
	D	350		350
	E	140		140
	F	715		815
	G	529		629
	H	300h7		300h7
	I	19		19
	J	60h6		60h6
	L	165		165
	N	279		279
	P	50		50
	Q	450		550
Z	18		18	

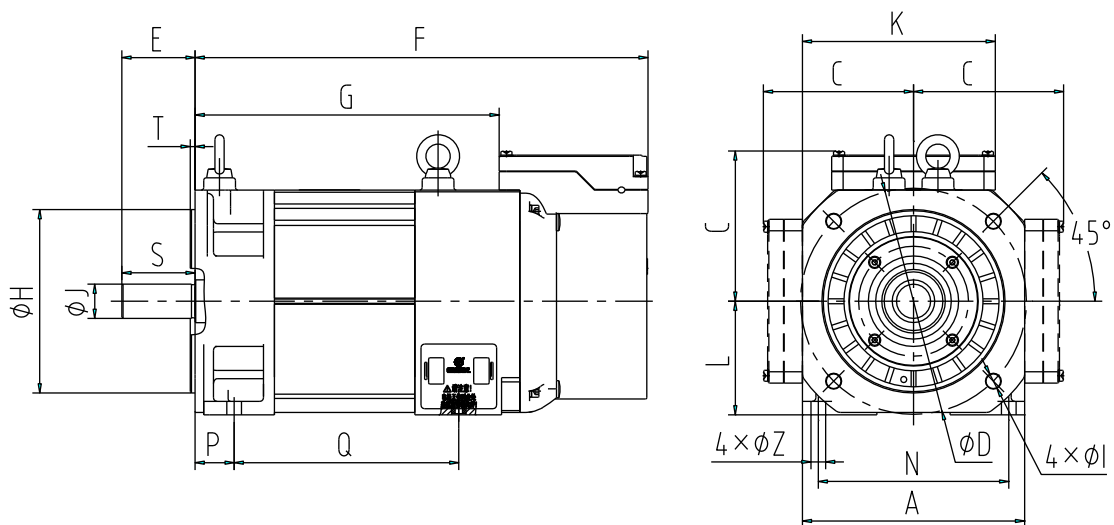
5.4 Outline drawing for each installation type of spindle motor



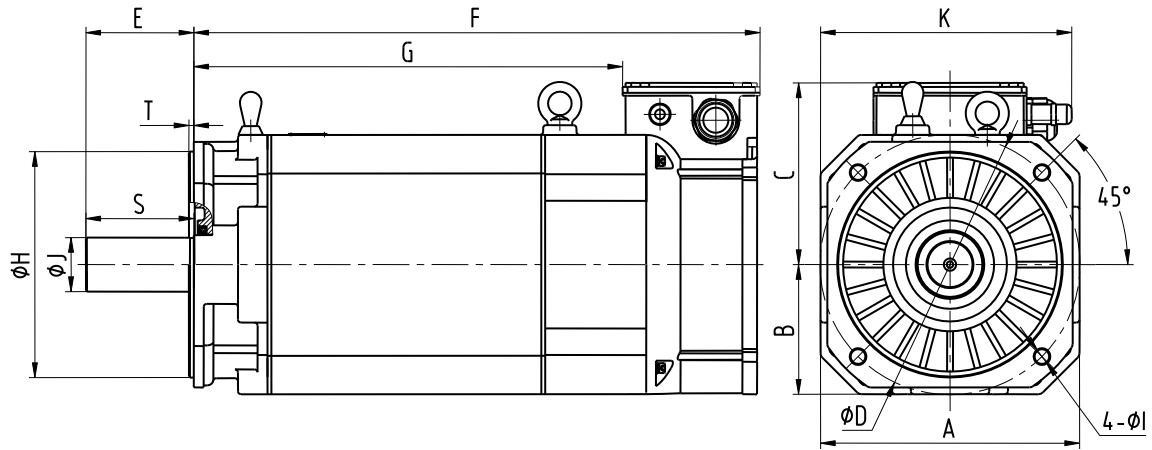
Flange Installation Type of ZJY141A Series (B5)



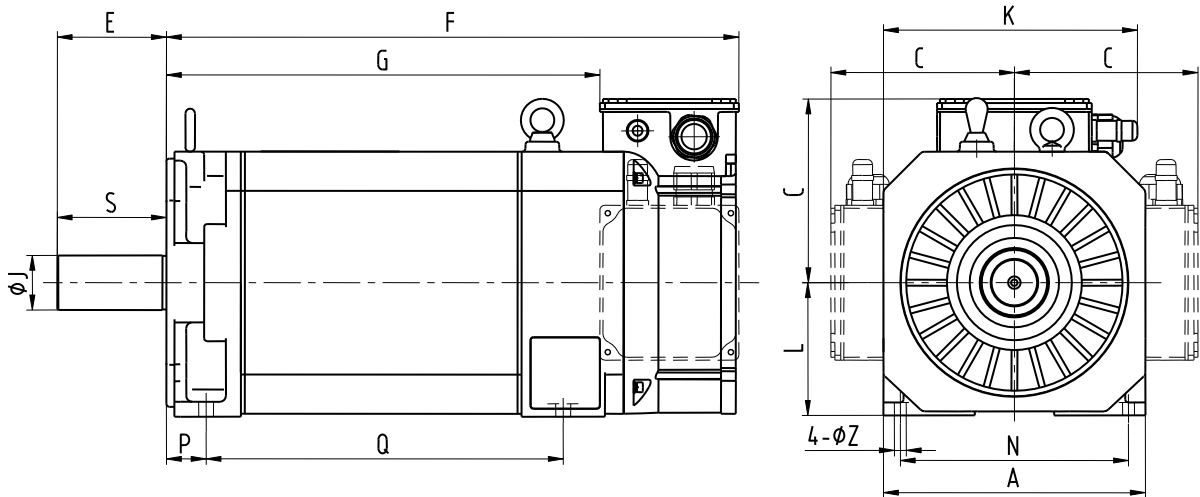
Flange Installation Type of ZJY182A Series (B5)



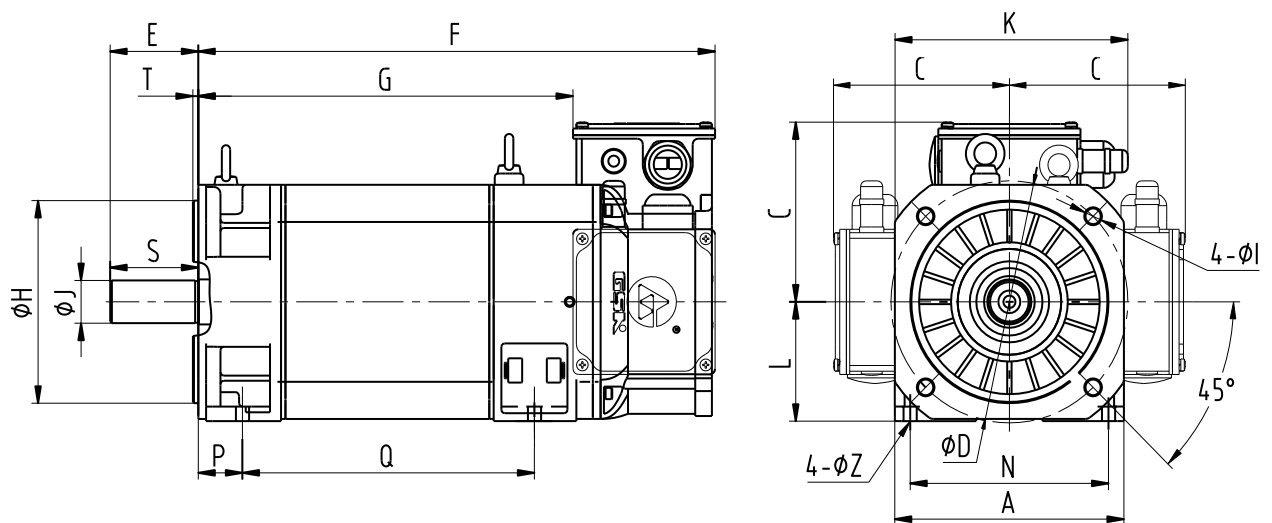
Flange or Foot Installation Type of ZJY182A Series (B35) & Left and Right Lead Connection Methods



Flange Installation Type of ZJY208A and ZJY265A Series (B5)



Foot Installation Type of ZJY265A Series (B3) & Left and Right Lead Connection Methods



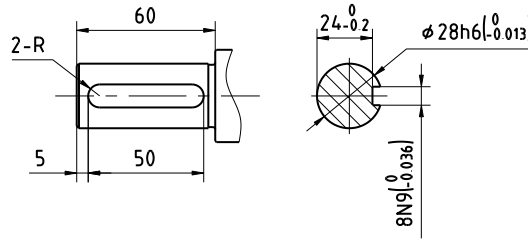
Flange or Foot Installation Type of ZJY208A and ZJY320 Series (B35) & Left and Right Lead Connection Methods

6 Standard Spline Dimensions

6.1 ZJY182A-3.7BL, ZJY182A-5.5BL, ZJY208A-3.7BM, ZJY208A-2.2AM

Available spline: GB/T 1096 spline 8×7×50

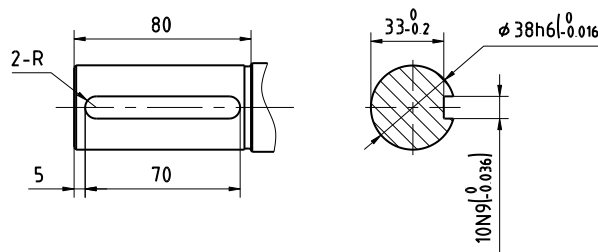
The shaft extension spline dimensions are shown in the following figure. Screw hole on rotating shaft end face center: M10×20



6.2 ZJY208A-5.5BM, ZJY208A-7.5BM, ZJY208A-3.7AM, ZJY208A-3.7WL, ZJY208A-5.5AM, ZJY208A-5.5BL, ZJY208A-7.5BL, ZJY208A-15EM.

Available spline: GB/T 1096 spline 10×8×70

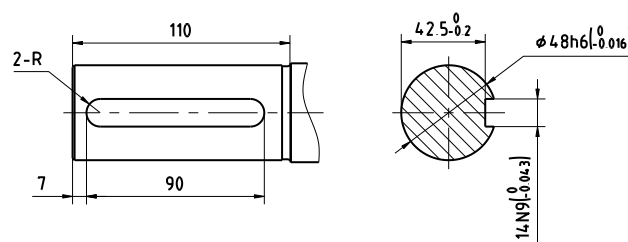
The shaft extension spline dimensions are shown in the following figure. Screw hole on rotating shaft end face center: M10×20



6.3 ZJY265A-5.5WL, ZJY265A-7.5WL, ZJY265A-7.5BM, ZJY265A-11BM, ZJY265A-15BM, ZJY265A-15CM, ZJY265A-11BL, ZJY265A-15BL, ZJY265A-7.5AM, ZJY265A-11AM, ZJY265A-15AM, ZJY208A-11CM, ZJY208A-9BL, ZJY265A-4.4VMD, ZJY265A-6VMD

Available spline: GB/T 1096 spline 14×9×90

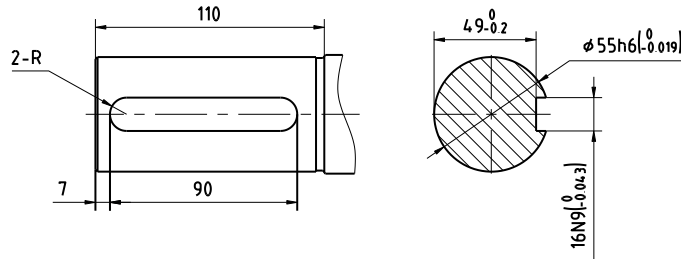
The shaft extension spline dimensions are shown in the following figure. Screw hole on rotating shaft end face center: M10×20



6.5 ZJY265A-11WL, ZJY265A-15WL, ZJY265A-18.5AM, ZJY265A-18.5BM, ZJY265A-22BM, ZJY265A-7.5VMD, ZJY265A-9VMD

Available spline: GB/T 1096 spline 16×10×90

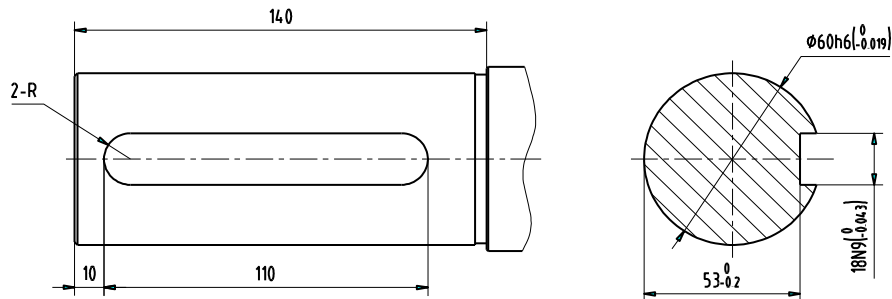
The shaft extension spline dimensions are shown in the following figure. Screw hole on rotating shaft end face center: M10×20





6.6 ZJY320-15WL, ZJY320-18.5WL, ZJY320-22WL, ZJY320-30BL, ZJY320-37BL, ZJY320-45BL, ZJY320-30BM, ZJY320-37BM, ZJY320-15VLD, ZJY320-22VMD

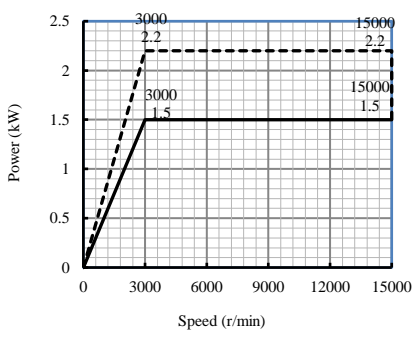
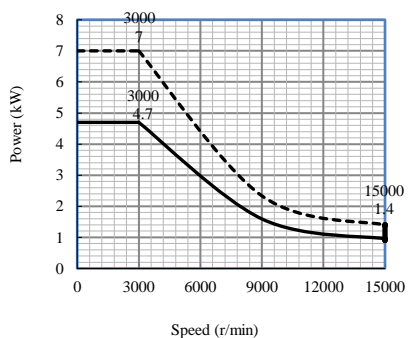
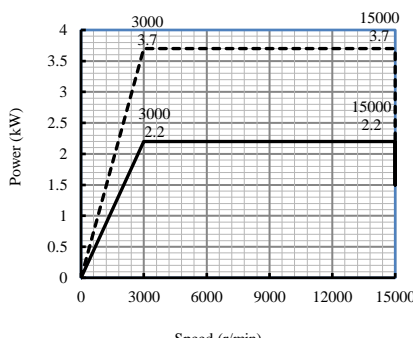
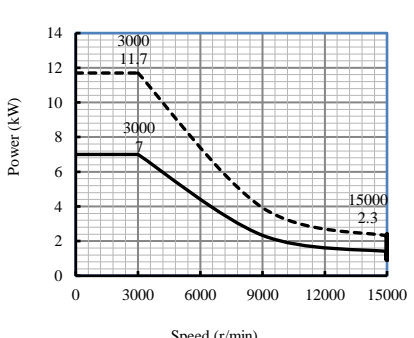
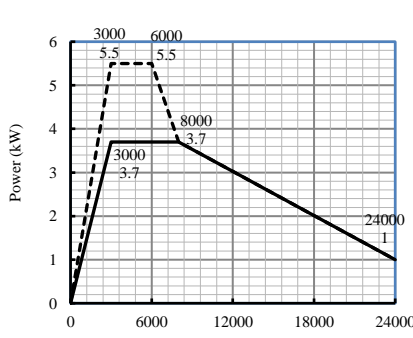
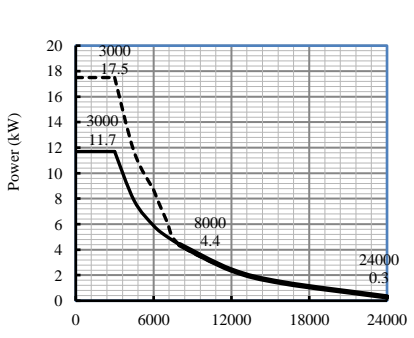
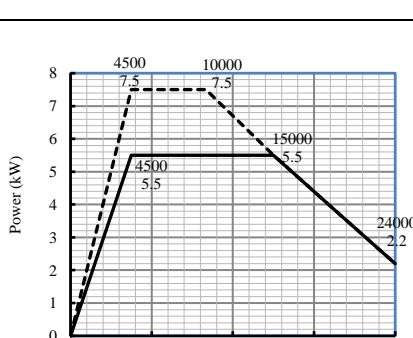
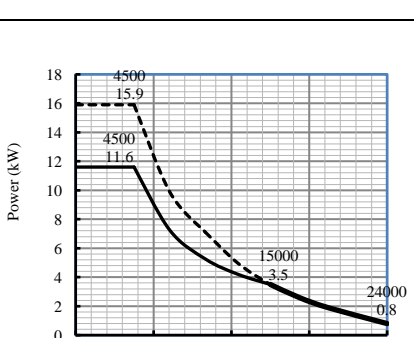
Available spline: GB/T 1096 spline 18×11×110

The shaft extension spline dimensions are shown in the following figure. Screw hole on rotating shaft end face center: M10×20

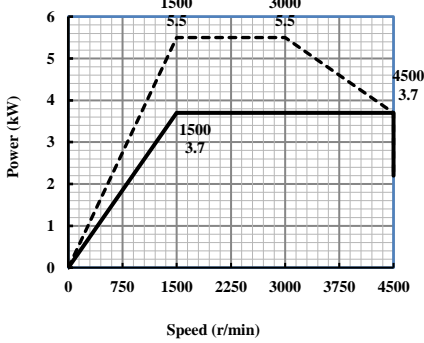
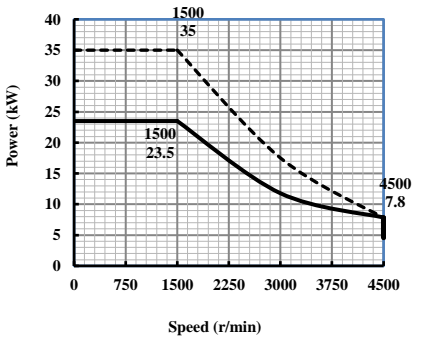
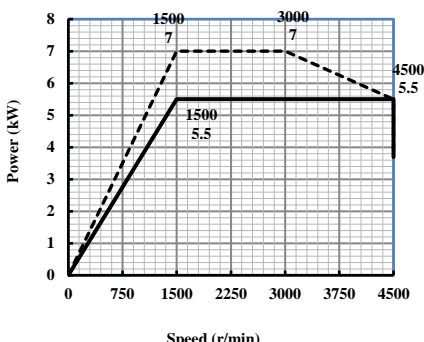
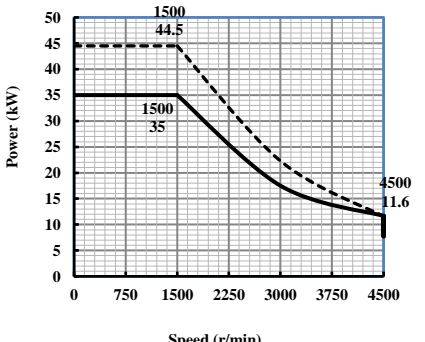
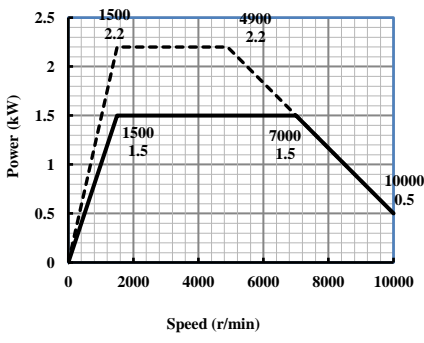
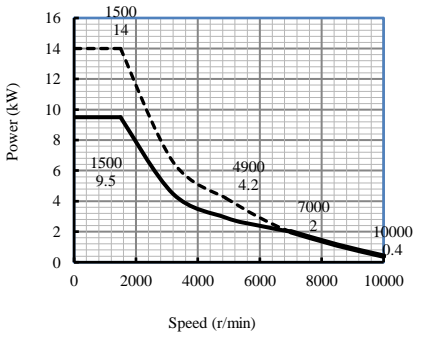
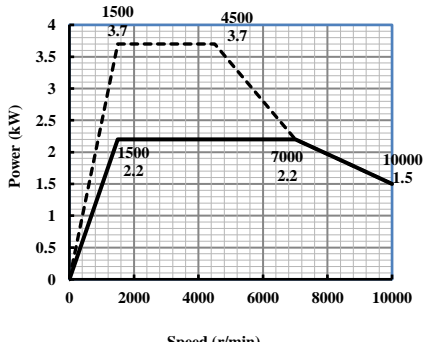
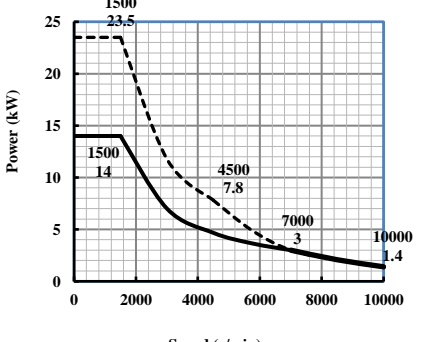


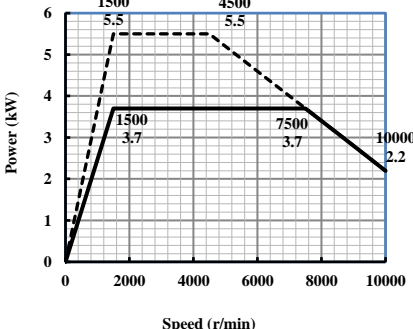
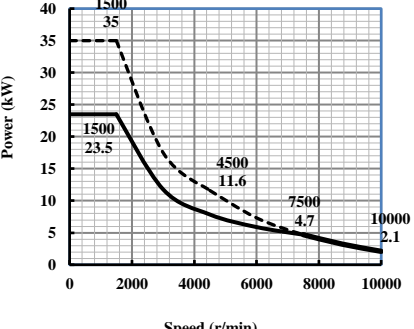
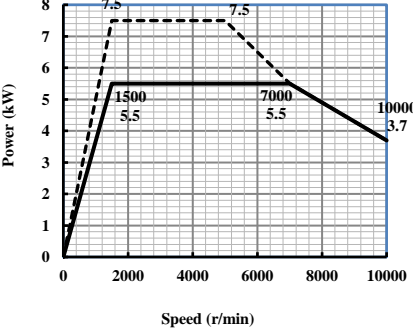
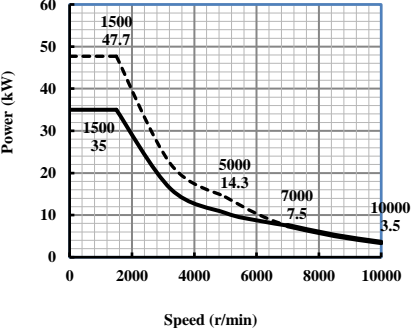
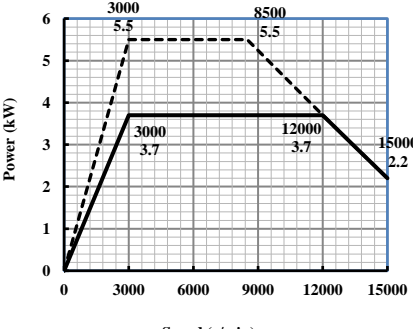
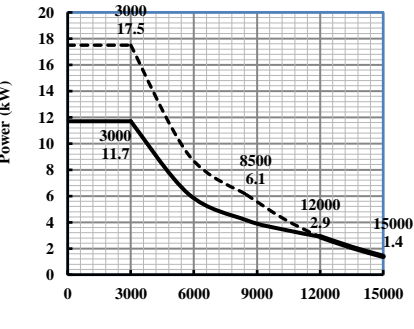
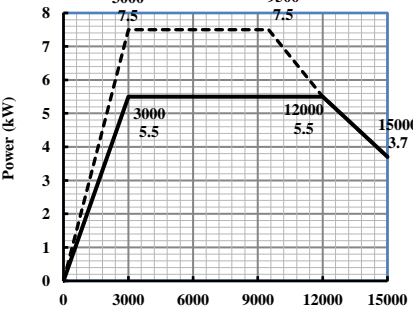
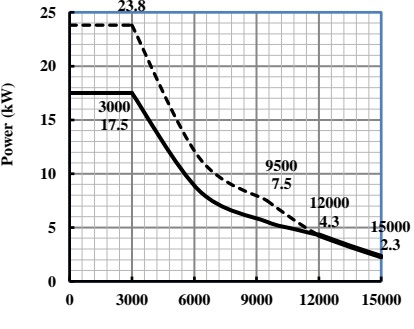
7 Mechanical Characteristic Curve of Motor

 Power or torque in continuous operation;
 Power or torque in 30 min operation.

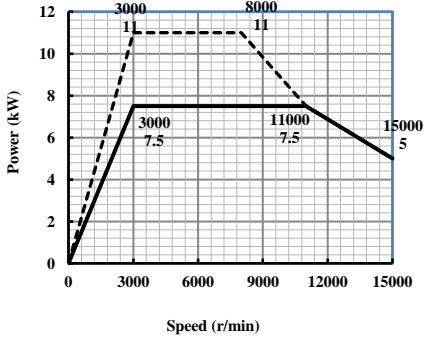
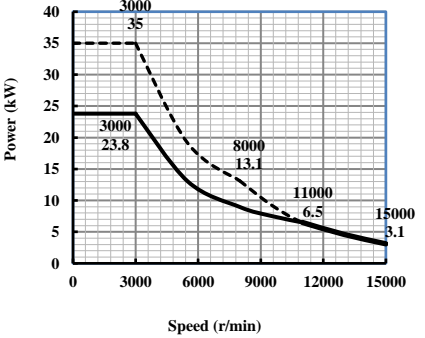
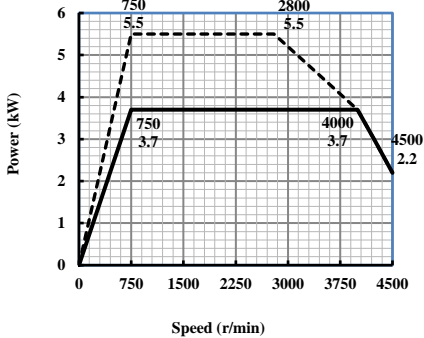
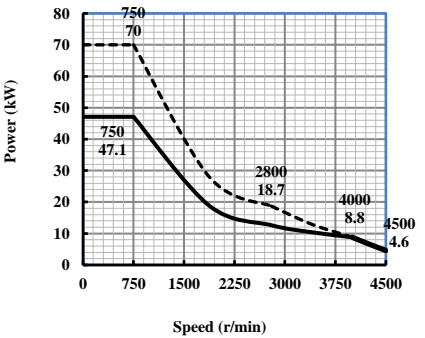
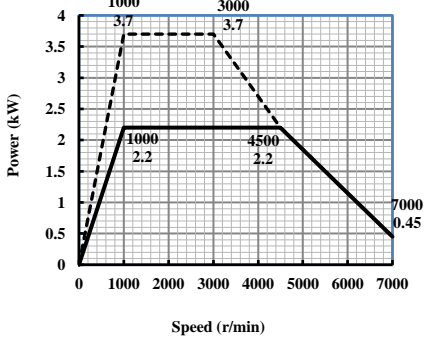
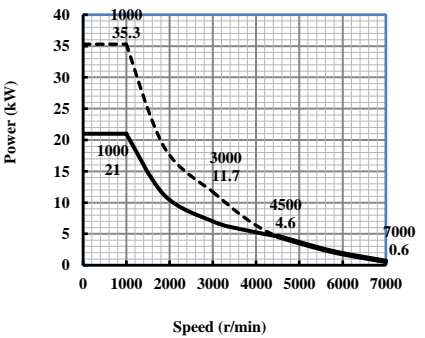
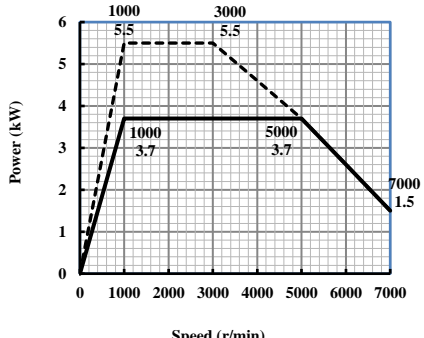
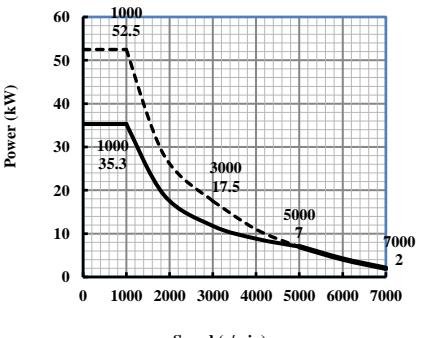
Motor Model	Power Curve	Torque Curve
ZJY141A-1.5EG		
ZJY141A-2.2EG		
ZJY141A-3.7EN		
ZJY141A-5.5HN		

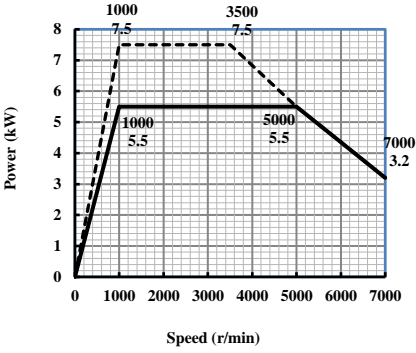
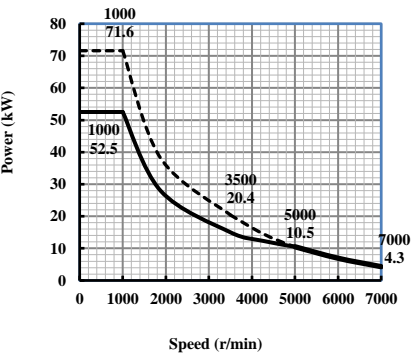
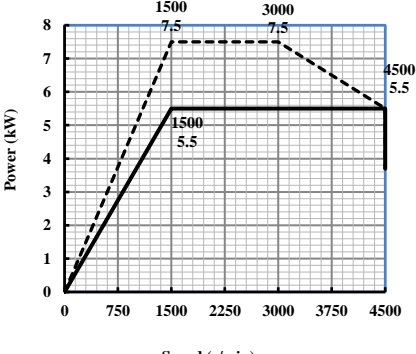
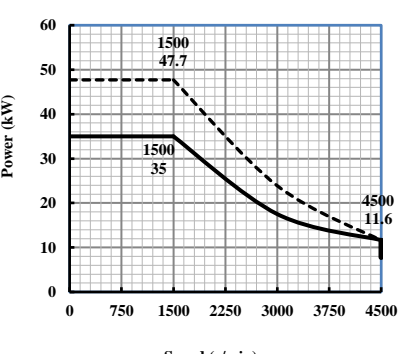
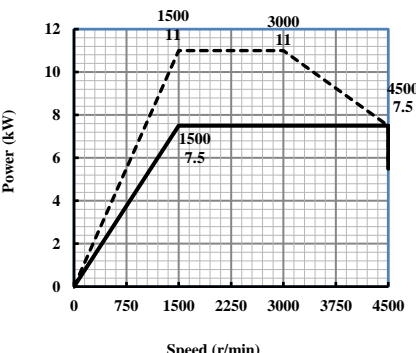
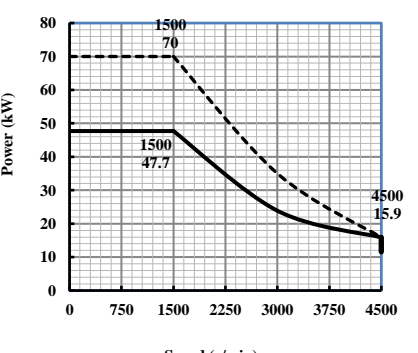
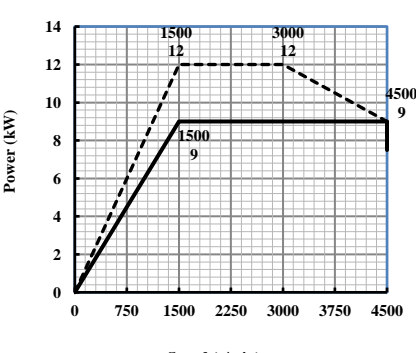
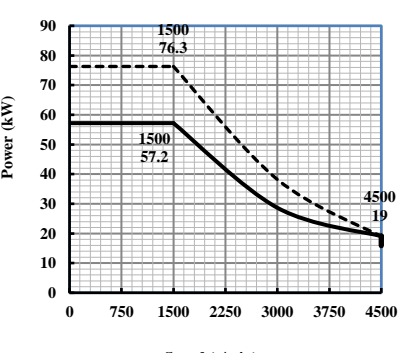
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve																														
ZJY182A-3.7BL	 <p>Power (kW) vs Speed (r/min) for ZJY182A-3.7BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 3.7 kW at 1500 r/min and remains constant up to 4500 r/min. The maximum power is 5.5 kW, achieved between 1500 and 3000 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>3.7</td> <td>5.5</td> </tr> <tr> <td>3000</td> <td>3.7</td> <td>5.5</td> </tr> <tr> <td>4500</td> <td>3.7</td> <td>4.5</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	3.7	5.5	3000	3.7	5.5	4500	3.7	4.5	 <p>Power (kW) vs Speed (r/min) for ZJY182A-3.7BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 23.5 kW at 1500 r/min and decreases to 7.8 kW at 4500 r/min. The maximum power is 35 kW at 1500 r/min and decreases to 11.6 kW at 4500 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>23.5</td> <td>35</td> </tr> <tr> <td>4500</td> <td>7.8</td> <td>11.6</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	23.5	35	4500	7.8	11.6			
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
0	0	0																														
1500	3.7	5.5																														
3000	3.7	5.5																														
4500	3.7	4.5																														
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
0	0	0																														
1500	23.5	35																														
4500	7.8	11.6																														
ZJY182A-5.5BL	 <p>Power (kW) vs Speed (r/min) for ZJY182A-5.5BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 5.5 kW at 1500 r/min and remains constant up to 4500 r/min. The maximum power is 7 kW, achieved between 1500 and 3000 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>5.5</td> <td>7</td> </tr> <tr> <td>3000</td> <td>5.5</td> <td>7</td> </tr> <tr> <td>4500</td> <td>5.5</td> <td>6.5</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	5.5	7	3000	5.5	7	4500	5.5	6.5	 <p>Power (kW) vs Speed (r/min) for ZJY182A-5.5BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 35 kW at 1500 r/min and decreases to 11.6 kW at 4500 r/min. The maximum power is 44.5 kW at 1500 r/min and decreases to 11.6 kW at 4500 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>35</td> <td>44.5</td> </tr> <tr> <td>4500</td> <td>11.6</td> <td>11.6</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	35	44.5	4500	11.6	11.6			
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
0	0	0																														
1500	5.5	7																														
3000	5.5	7																														
4500	5.5	6.5																														
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
0	0	0																														
1500	35	44.5																														
4500	11.6	11.6																														
ZJY182A-1.5BH	 <p>Power (kW) vs Speed (r/min) for ZJY182A-1.5BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 1.5 kW at 1500 r/min and 7000 r/min, and 0.5 kW at 10000 r/min. The maximum power is 2.2 kW, achieved between 1500 and 4900 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>1.5</td> <td>2.2</td> </tr> <tr> <td>7000</td> <td>1.5</td> <td>2.2</td> </tr> <tr> <td>10000</td> <td>0.5</td> <td>1.5</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	1.5	2.2	7000	1.5	2.2	10000	0.5	1.5	 <p>Power (kW) vs Speed (r/min) for ZJY182A-1.5BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 9.5 kW at 1500 r/min, 4.2 kW at 4900 r/min, and 0.4 kW at 10000 r/min. The maximum power is 14 kW at 1500 r/min and decreases to 0.4 kW at 10000 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>9.5</td> <td>14</td> </tr> <tr> <td>4900</td> <td>4.2</td> <td>4.2</td> </tr> <tr> <td>10000</td> <td>0.4</td> <td>0.4</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	9.5	14	4900	4.2	4.2	10000	0.4	0.4
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
0	0	0																														
1500	1.5	2.2																														
7000	1.5	2.2																														
10000	0.5	1.5																														
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0	0	0																														
1500	9.5	14																														
4900	4.2	4.2																														
10000	0.4	0.4																														
ZJY182A-2.2BH	 <p>Power (kW) vs Speed (r/min) for ZJY182A-2.2BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 2.2 kW at 1500 r/min and 7000 r/min, and 1.5 kW at 10000 r/min. The maximum power is 3.7 kW, achieved between 1500 and 4500 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>2.2</td> <td>3.7</td> </tr> <tr> <td>7000</td> <td>2.2</td> <td>3.7</td> </tr> <tr> <td>10000</td> <td>1.5</td> <td>2.5</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	2.2	3.7	7000	2.2	3.7	10000	1.5	2.5	 <p>Power (kW) vs Speed (r/min) for ZJY182A-2.2BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. The rated power is 14 kW at 1500 r/min, 7.8 kW at 4500 r/min, and 1.4 kW at 10000 r/min. The maximum power is 23.5 kW at 1500 r/min and decreases to 1.4 kW at 10000 r/min.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>14</td> <td>23.5</td> </tr> <tr> <td>4500</td> <td>7.8</td> <td>7.8</td> </tr> <tr> <td>10000</td> <td>1.4</td> <td>1.4</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	14	23.5	4500	7.8	7.8	10000	1.4	1.4
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
0	0	0																														
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1500	14	23.5																														
4500	7.8	7.8																														
10000	1.4	1.4																														

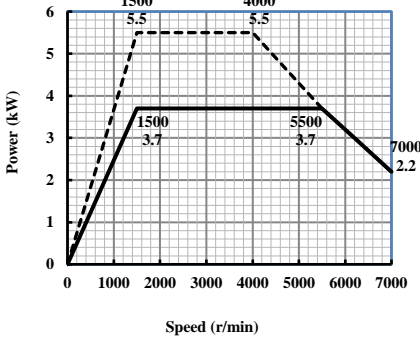
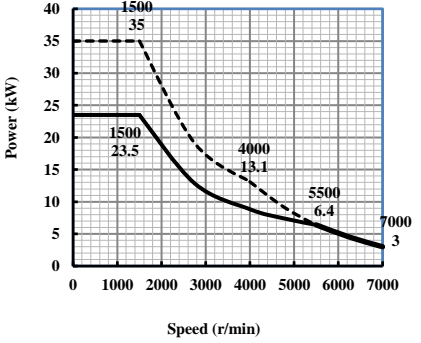
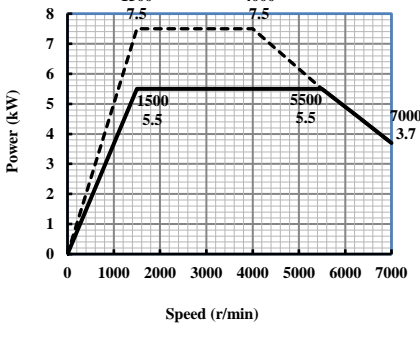
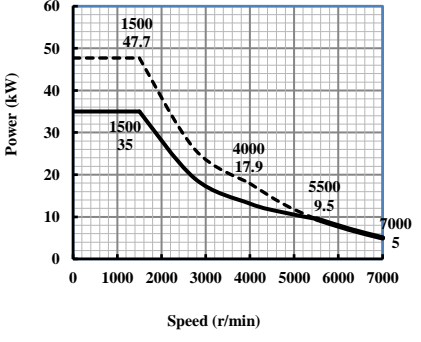
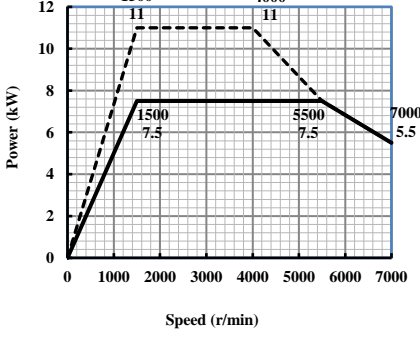
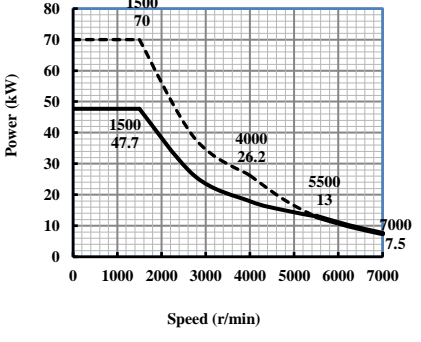
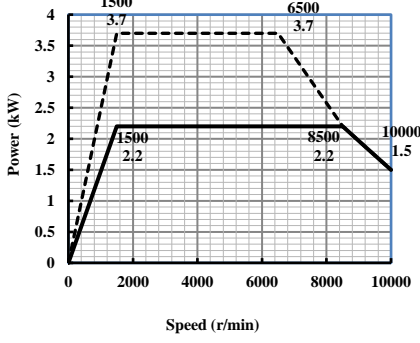
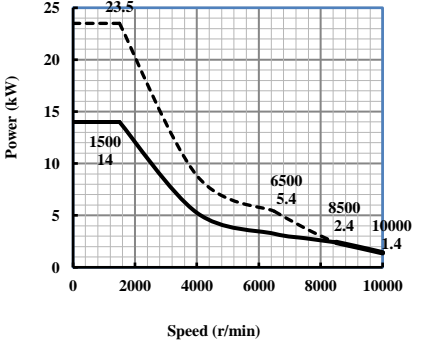
Motor Model	Power Curve	Torque Curve
ZJY182A-3.7BH	 <p>Power (kW) vs Speed (r/min) for ZJY182A-3.7BH. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 3.7), (1500, 5.5), (4500, 5.5), (7500, 3.7), and (10000, 2.2).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY182A-3.7BH. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 23.5), (1500, 35), (4500, 11.6), (7500, 4.7), and (10000, 2.1).</p>
ZJY182A-5.5BH	 <p>Power (kW) vs Speed (r/min) for ZJY182A-5.5BH. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 5.5), (1500, 7.5), (5000, 7.5), (7000, 5.5), and (10000, 3.7).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY182A-5.5BH. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 35), (1500, 47.7), (5000, 14.3), (7000, 7.5), and (10000, 3.5).</p>
ZJY182A-3.7EG	 <p>Power (kW) vs Speed (r/min) for ZJY182A-3.7EG. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (3000, 3.7), (3000, 5.5), (8500, 5.5), (12000, 3.7), and (15000, 2.2).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY182A-3.7EG. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (3000, 11.7), (3000, 17.5), (8500, 6.1), (12000, 2.9), and (15000, 1.4).</p>
ZJY182A-5.5EG	 <p>Power (kW) vs Speed (r/min) for ZJY182A-5.5EG. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (3000, 5.5), (3000, 7.5), (9500, 7.5), (12000, 5.5), and (15000, 3.7).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY182A-5.5EG. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (3000, 17.5), (3000, 23.8), (9500, 7.5), (12000, 4.3), and (15000, 2.3).</p>

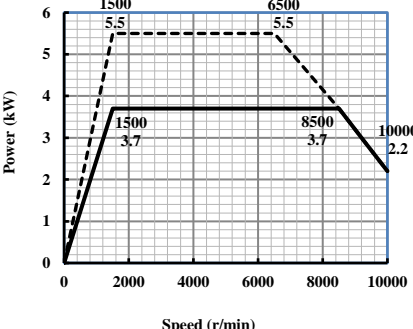
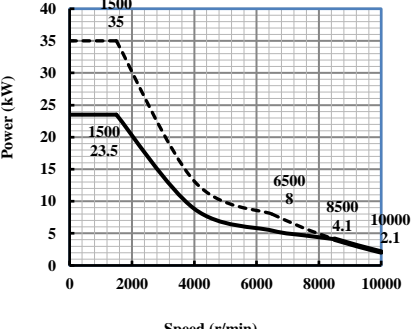
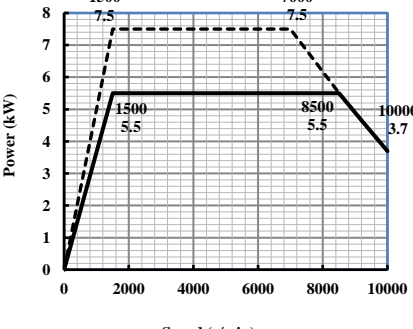
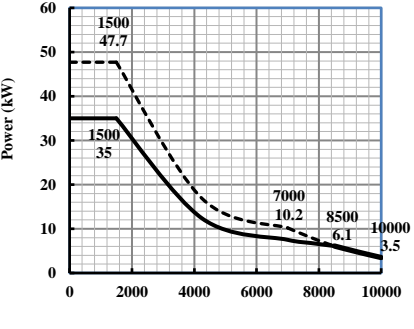
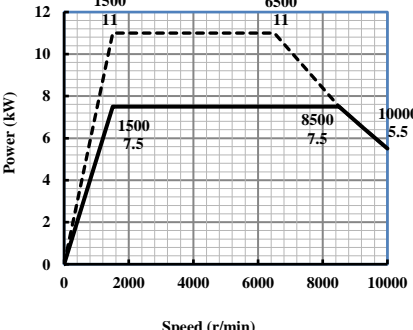
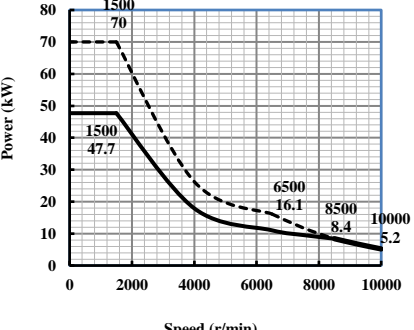
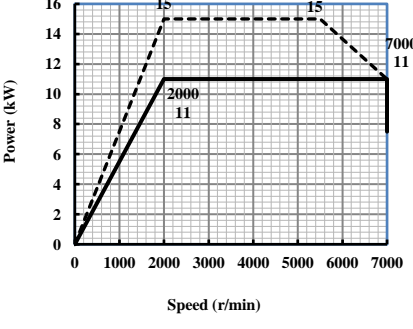
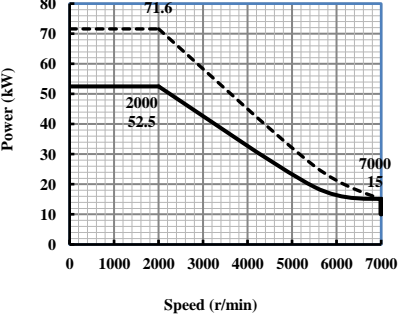
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve																											
ZJY182A-7.5EG	 <p>Power (kW) vs Speed (r/min) for ZJY182A-7.5EG. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>3000</td><td>7.5</td><td>11</td></tr> <tr><td>8000</td><td>7.5</td><td>11</td></tr> <tr><td>15000</td><td>5</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	3000	7.5	11	8000	7.5	11	15000	5	-	 <p>Power (kW) vs Speed (r/min) for ZJY182A-7.5EG. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>3000</td><td>23.8</td><td>35</td></tr> <tr><td>8000</td><td>13.1</td><td>-</td></tr> <tr><td>11000</td><td>6.5</td><td>-</td></tr> <tr><td>15000</td><td>3.1</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	3000	23.8	35	8000	13.1	-	11000	6.5	-	15000	3.1	-
Speed (r/min)	Rated Power (kW)	Max Power (kW)																											
3000	7.5	11																											
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Speed (r/min)	Rated Power (kW)	Max Power (kW)																											
3000	23.8	35																											
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11000	6.5	-																											
15000	3.1	-																											
ZJY208A-3.7WL	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7WL. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>750</td><td>3.7</td><td>5.5</td></tr> <tr><td>2800</td><td>3.7</td><td>5.5</td></tr> <tr><td>4500</td><td>2.2</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	750	3.7	5.5	2800	3.7	5.5	4500	2.2	-	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7WL. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>750</td><td>47.1</td><td>70</td></tr> <tr><td>2800</td><td>18.7</td><td>-</td></tr> <tr><td>4000</td><td>8.8</td><td>-</td></tr> <tr><td>4500</td><td>4.6</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	750	47.1	70	2800	18.7	-	4000	8.8	-	4500	4.6	-
Speed (r/min)	Rated Power (kW)	Max Power (kW)																											
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4000	8.8	-																											
4500	4.6	-																											
ZJY208A-2.2AM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-2.2AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>1000</td><td>2.2</td><td>3.7</td></tr> <tr><td>3000</td><td>2.2</td><td>3.7</td></tr> <tr><td>7000</td><td>0.45</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	1000	2.2	3.7	3000	2.2	3.7	7000	0.45	-	 <p>Power (kW) vs Speed (r/min) for ZJY208A-2.2AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>1000</td><td>21</td><td>35.3</td></tr> <tr><td>3000</td><td>11.7</td><td>-</td></tr> <tr><td>4500</td><td>4.6</td><td>-</td></tr> <tr><td>7000</td><td>0.6</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	1000	21	35.3	3000	11.7	-	4500	4.6	-	7000	0.6	-
Speed (r/min)	Rated Power (kW)	Max Power (kW)																											
1000	2.2	3.7																											
3000	2.2	3.7																											
7000	0.45	-																											
Speed (r/min)	Rated Power (kW)	Max Power (kW)																											
1000	21	35.3																											
3000	11.7	-																											
4500	4.6	-																											
7000	0.6	-																											
ZJY208A-3.7AM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>1000</td><td>3.7</td><td>5.5</td></tr> <tr><td>3000</td><td>3.7</td><td>5.5</td></tr> <tr><td>7000</td><td>1.5</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	1000	3.7	5.5	3000	3.7	5.5	7000	1.5	-	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled with speed and power values.</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Max Power (kW)</th> </tr> </thead> <tbody> <tr><td>1000</td><td>35.3</td><td>52.5</td></tr> <tr><td>3000</td><td>17.5</td><td>-</td></tr> <tr><td>5000</td><td>7</td><td>-</td></tr> <tr><td>7000</td><td>2</td><td>-</td></tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Max Power (kW)	1000	35.3	52.5	3000	17.5	-	5000	7	-	7000	2	-
Speed (r/min)	Rated Power (kW)	Max Power (kW)																											
1000	3.7	5.5																											
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1000	35.3	52.5																											
3000	17.5	-																											
5000	7	-																											
7000	2	-																											

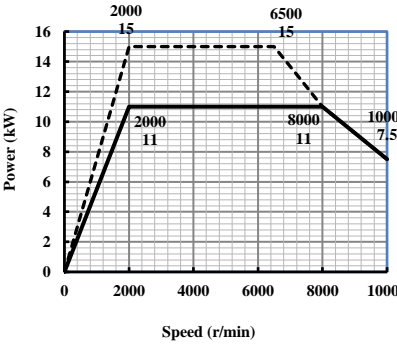
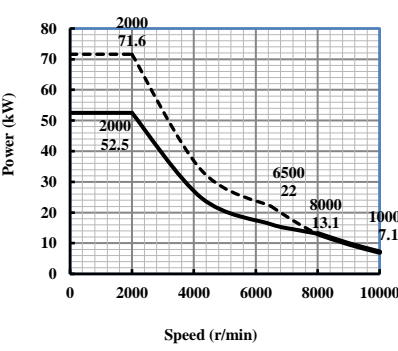
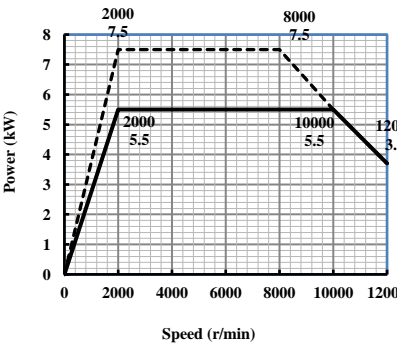
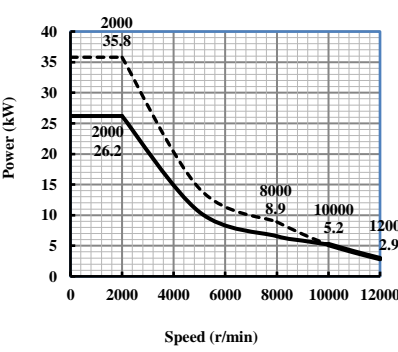
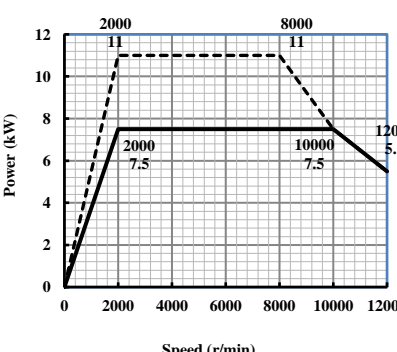
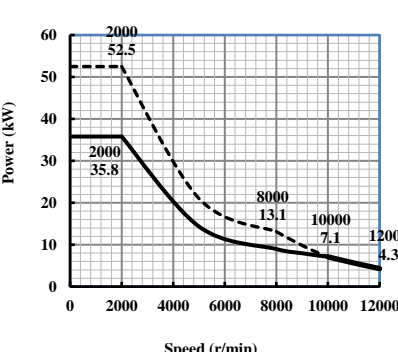
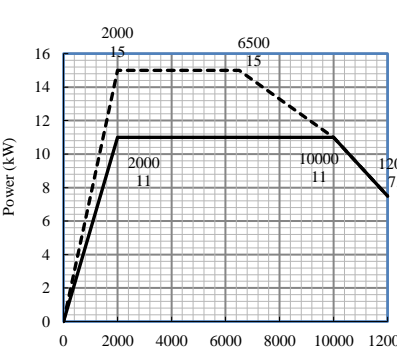
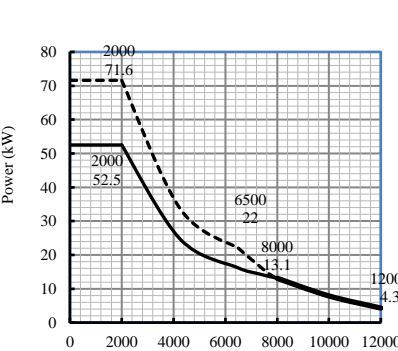
Motor Model	Power Curve	Torque Curve
ZJY208A-5.5AM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5AM. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1000, 5.5), (1000, 7.5), (3500, 7.5), (5000, 5.5), (7000, 3.2).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5AM. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1000, 52.5), (1000, 71.6), (3500, 20.4), (5000, 10.5), (7000, 4.3).</p>
ZJY208A-5.5BL	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5BL. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 5.5), (1500, 7.5), (3000, 7.5), (4500, 5.5).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5BL. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 35), (1500, 47.7), (4500, 11.6).</p>
ZJY208A-7.5BL	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5BL. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 7.5), (1500, 11), (3000, 11), (4500, 7.5).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5BL. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 47.7), (1500, 70), (4500, 15.9).</p>
ZJY208A-9BL	 <p>Power (kW) vs Speed (r/min) for ZJY208A-9BL. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 9), (1500, 12), (3000, 12), (4500, 9).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-9BL. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 57.2), (1500, 76.3), (4500, 19).</p>

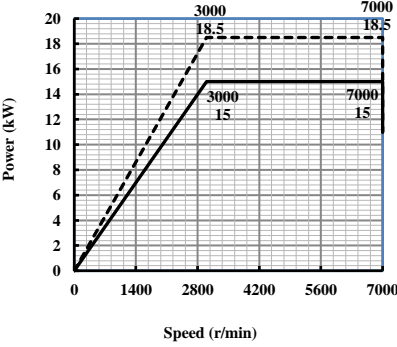
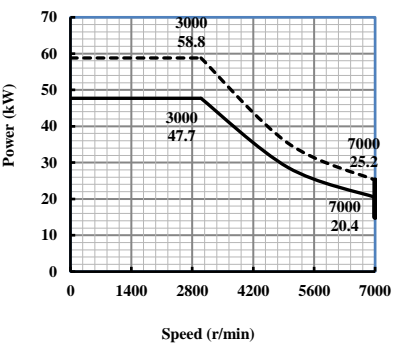
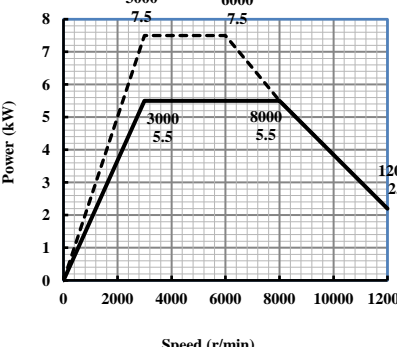
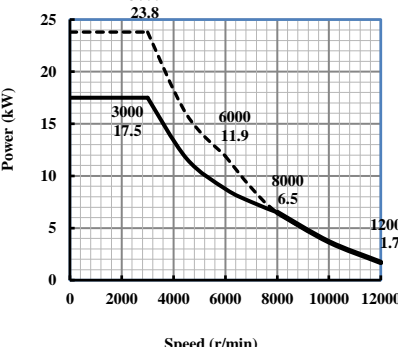
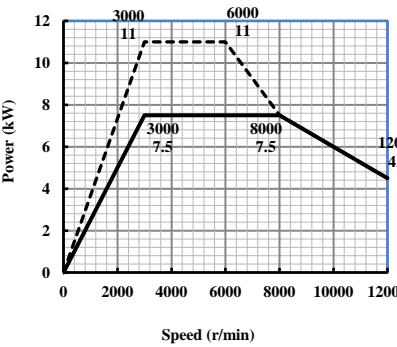
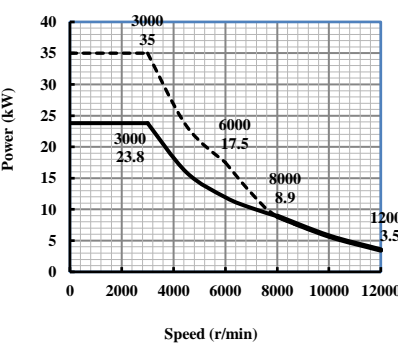
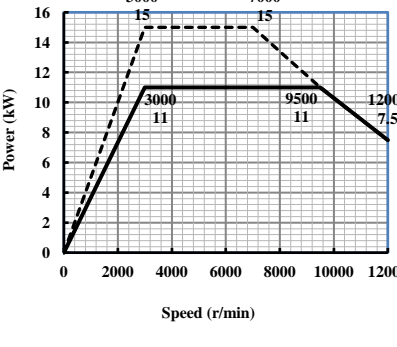
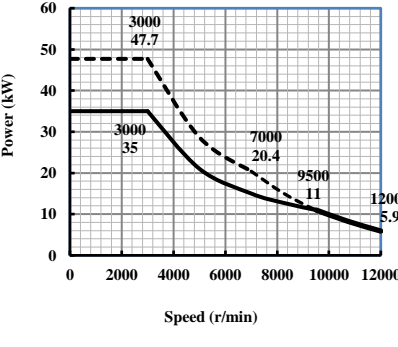
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve
ZJY208A-3.7BM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7BM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled: (1500, 3.7), (1500, 5.5), (4000, 5.5), (5500, 3.7), and (7000, 2.2).</p>	 <p>Torque Curve for ZJY208A-3.7BM. The graph shows a solid line for rated torque and a dashed line for maximum torque. Key points are labeled: (1500, 23.5), (1500, 35), (4000, 13.1), (5500, 6.4), and (7000, 3).</p>
ZJY208A-5.5BM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5BM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled: (1500, 5.5), (1500, 7.5), (4000, 7.5), (5500, 5.5), and (7000, 3.7).</p>	 <p>Torque Curve for ZJY208A-5.5BM. The graph shows a solid line for rated torque and a dashed line for maximum torque. Key points are labeled: (1500, 35), (1500, 47.7), (4000, 17.9), (5500, 9.5), and (7000, 5).</p>
ZJY208A-7.5BM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5BM. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled: (1500, 7.5), (1500, 11), (4000, 11), (5500, 7.5), and (7000, 5.5).</p>	 <p>Torque Curve for ZJY208A-7.5BM. The graph shows a solid line for rated torque and a dashed line for maximum torque. Key points are labeled: (1500, 47.7), (1500, 70), (4000, 26.2), (5500, 13), and (7000, 7.5).</p>
ZJY208A-2.2BH	 <p>Power (kW) vs Speed (r/min) for ZJY208A-2.2BH. The graph shows a solid line for rated power and a dashed line for maximum power. Key points are labeled: (1500, 2.2), (1500, 3.7), (6500, 3.7), (8500, 2.2), and (10000, 1.5).</p>	 <p>Torque Curve for ZJY208A-2.2BH. The graph shows a solid line for rated torque and a dashed line for maximum torque. Key points are labeled: (1500, 14), (1500, 23.5), (6500, 5.4), (8500, 2.4), and (10000, 1.4).</p>

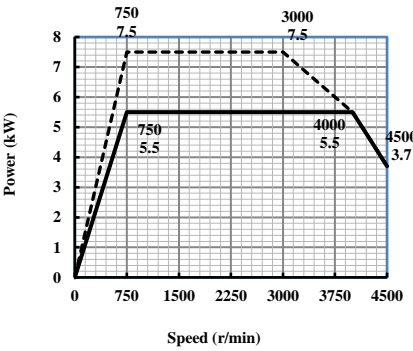
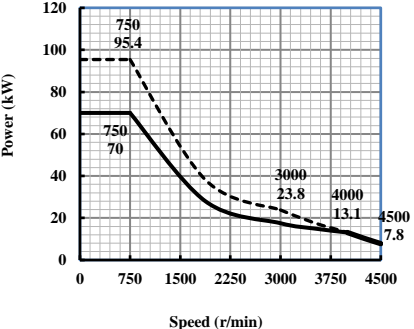
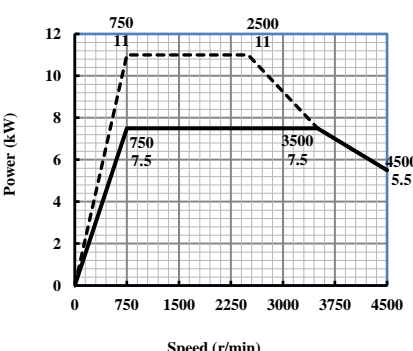
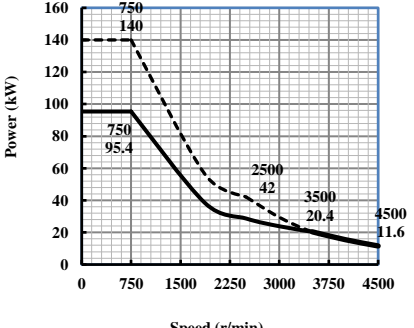
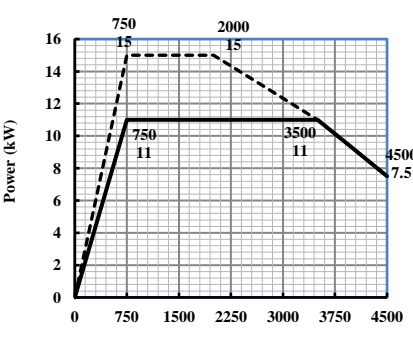
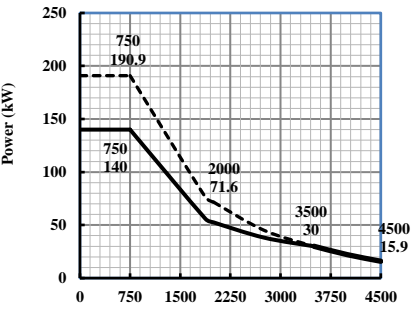
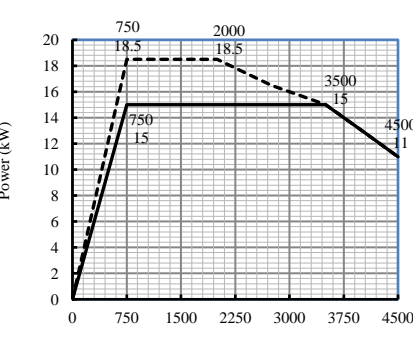
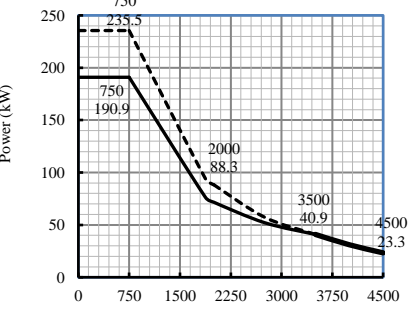
Motor Model	Power Curve	Torque Curve
ZJY208A-3.7BH	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7BH. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 3.7) and (1500, 5.5) for the start of the constant power region; (6500, 5.5) for the end of the constant power region; and (10000, 2.2) for the maximum speed. Intermediate points at 8500 r/min show a power of 3.7 kW.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-3.7BH. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 23.5) and (1500, 35) for the start of the constant power region; (6500, 8) and (8500, 4.1) for the end of the constant power region; and (10000, 2.1) for the maximum speed.</p>
ZJY208A-5.5BH	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5BH. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 5.5) and (1500, 7.5) for the start of the constant power region; (7000, 7.5) for the end of the constant power region; and (10000, 3.7) for the maximum speed. Intermediate points at 8500 r/min show a power of 5.5 kW.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5BH. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 35) and (1500, 47.7) for the start of the constant power region; (7000, 10.2) and (8500, 6.1) for the end of the constant power region; and (10000, 3.5) for the maximum speed.</p>
ZJY208A-7.5BH	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5BH. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 7.5) and (1500, 11) for the start of the constant power region; (6500, 11) for the end of the constant power region; and (10000, 5.5) for the maximum speed. Intermediate points at 8500 r/min show a power of 7.5 kW.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5BH. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (1500, 47.7) and (1500, 70) for the start of the constant power region; (6500, 16.1) and (8500, 8.4) for the end of the constant power region; and (10000, 5.2) for the maximum speed.</p>
ZJY208A-11CM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11CM. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (2000, 11) and (2000, 15) for the start of the constant power region; (5500, 15) for the end of the constant power region; and (7000, 11) for the maximum speed.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11CM. The graph shows two curves: a solid line for continuous power and a dashed line for maximum power. Key data points are: (2000, 52.5) and (2000, 71.6) for the start of the constant power region; (7000, 15) for the maximum speed.</p>

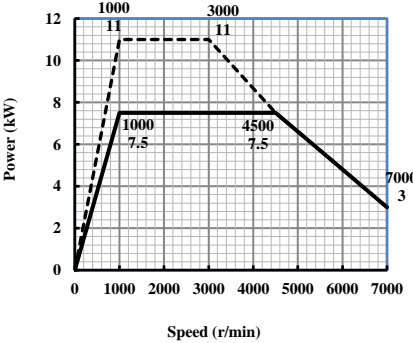
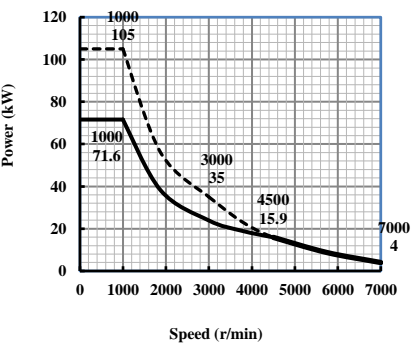
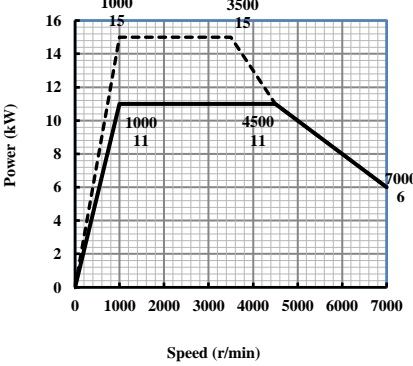
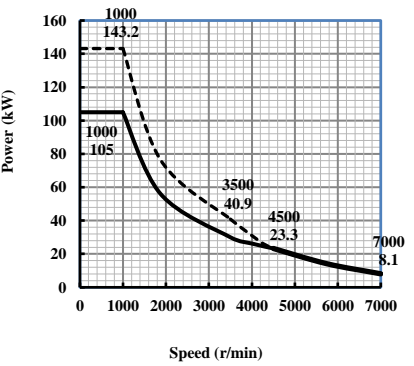
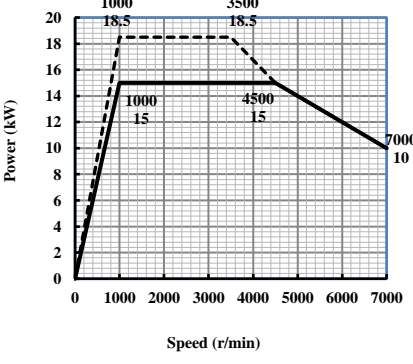
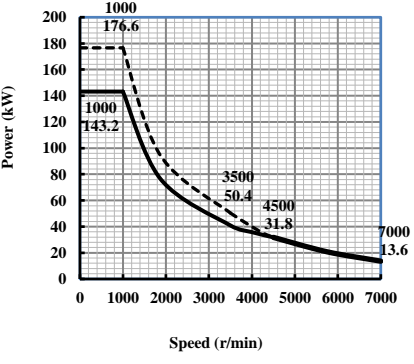
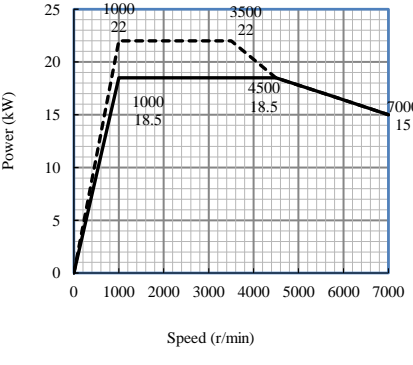
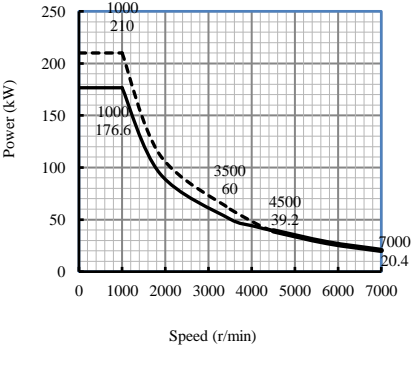
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve
ZJY208A-11CH	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11CH. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 11 kW), (2000, 15 kW torque), (6500, 15 kW torque), (10000, 7.5 kW), and (10000, 11 kW torque).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11CH. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 52.5 kW), (2000, 71.6 kW torque), (6500, 22 kW torque), (8000, 13.1 kW), and (10000, 7.1 kW).</p>
ZJY208A-5.5CF	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5CF. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 5.5 kW), (2000, 7.5 kW torque), (8000, 7.5 kW torque), (10000, 5.5 kW), and (12000, 3.7 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5CF. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 26.2 kW), (2000, 35.8 kW torque), (8000, 8.9 kW torque), (10000, 5.2 kW), and (12000, 2.9 kW).</p>
ZJY208A-7.5CF	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5CF. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 7.5 kW), (2000, 11 kW torque), (8000, 11 kW torque), (10000, 7.5 kW), and (12000, 5.5 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5CF. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 35.8 kW), (2000, 52.5 kW torque), (8000, 13.1 kW torque), (10000, 7.1 kW), and (12000, 4.3 kW).</p>
ZJY208A-11CF	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11CF. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 11 kW), (2000, 15 kW torque), (6500, 15 kW torque), (10000, 11 kW), and (12000, 7.5 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11CF. The graph shows a solid line for power and a dashed line for torque. Key data points are: (2000, 52.5 kW), (2000, 71.6 kW torque), (6500, 22 kW torque), (8000, 13.1 kW), and (12000, 4.3 kW).</p>

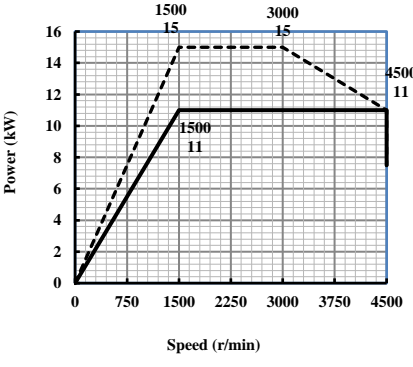
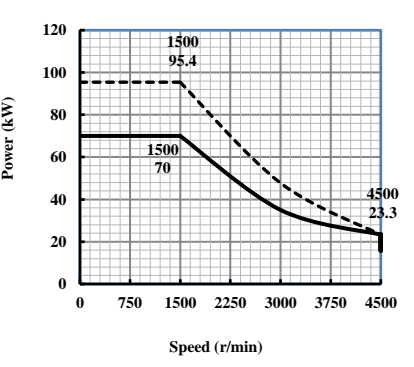
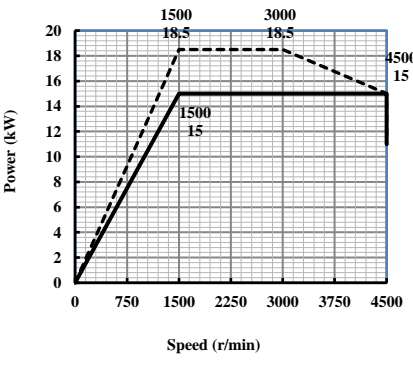
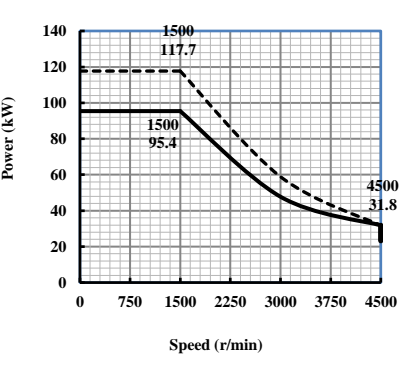
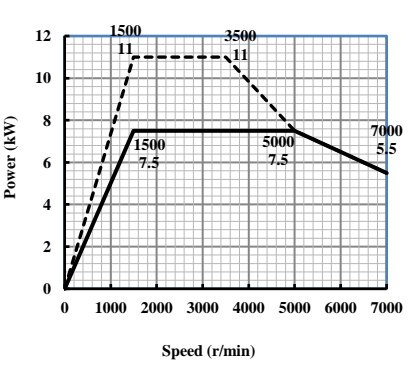
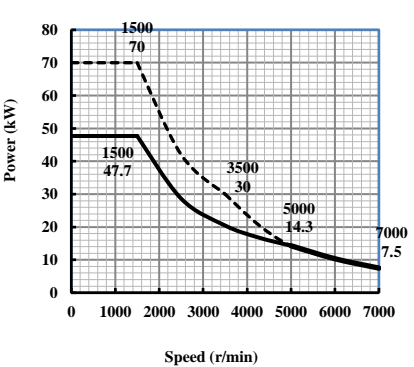
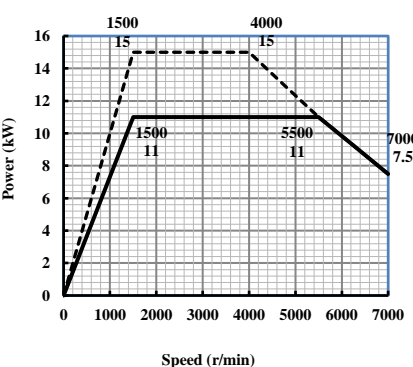
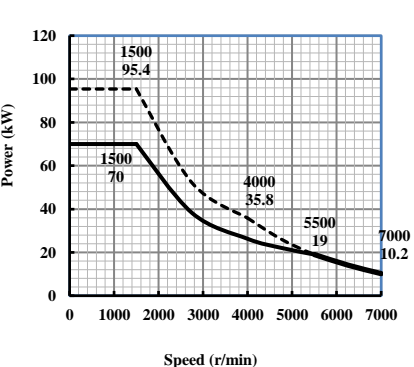
Motor Model	Power Curve	Torque Curve
ZJY208A-15EM	 <p>Power (kW) vs Speed (r/min) for ZJY208A-15EM. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 15), (7000, 15), (3000, 18.5), (7000, 18.5).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-15EM. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 47.7), (7000, 20.4), (3000, 58.8), (7000, 25.2).</p>
ZJY208A-5.5EF	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5EF. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 5.5), (12000, 2.2), (3000, 7.5), (6000, 7.5).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-5.5EF. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 17.5), (12000, 1.7), (3000, 23.8), (6000, 11.9), (8000, 6.5).</p>
ZJY208A-7.5EF	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5EF. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 7.5), (12000, 4.5), (3000, 11), (6000, 11).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-7.5EF. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 23.8), (12000, 3.5), (3000, 35), (6000, 17.5), (8000, 8.9).</p>
ZJY208A-11EF	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11EF. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 11), (12000, 7.5), (3000, 15), (7000, 15).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY208A-11EF. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (0,0), (3000, 35), (12000, 5.9), (3000, 47.7), (7000, 20.4), (9500, 11).</p>

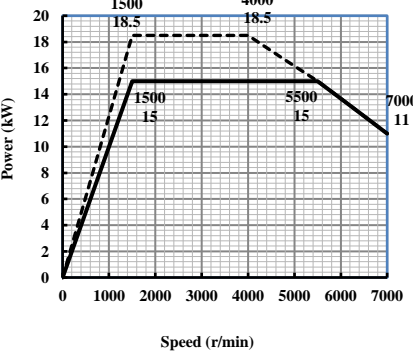
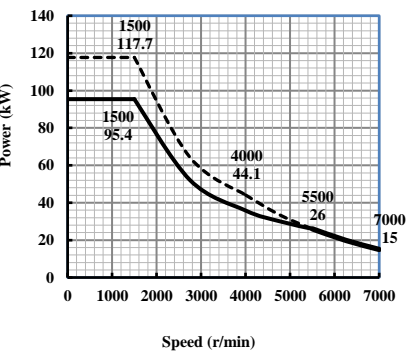
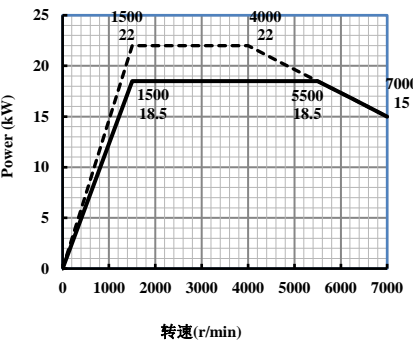
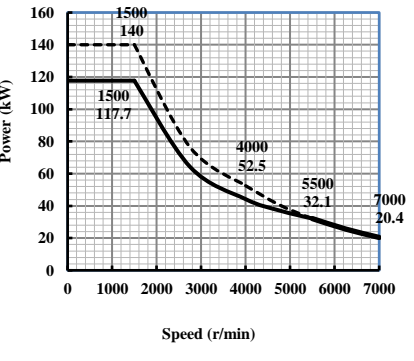
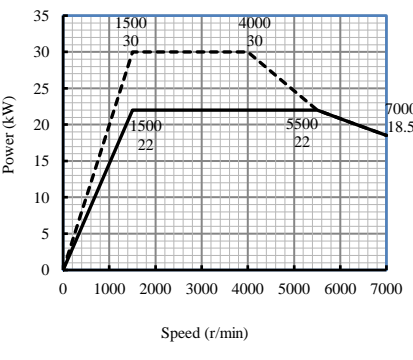
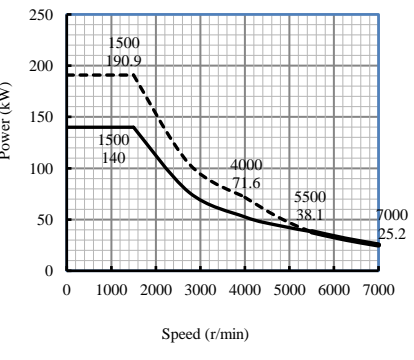
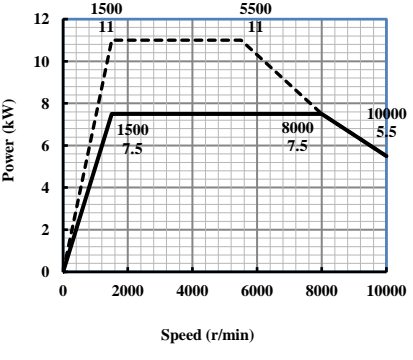
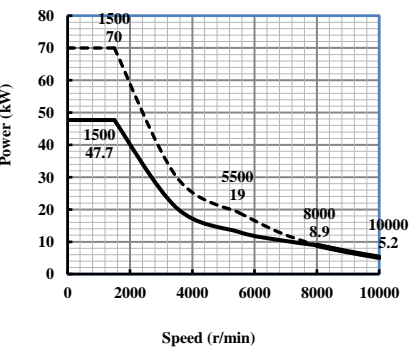
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve
ZJY265A-5.5WL	 <p>Power (kW) vs Speed (r/min) for ZJY265A-5.5WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 5.5) and (4500, 3.7) for rated power; (750, 7.5) and (3000, 7.5) for maximum power.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-5.5WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 70) and (4500, 7.8) for rated power; (750, 95.4) and (4500, 13.1) for maximum power.</p>
ZJY265A-7.5WL	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 7.5) and (4500, 5.5) for rated power; (750, 11) and (2500, 11) for maximum power.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 95.4) and (4500, 11.6) for rated power; (750, 140) and (4500, 20.4) for maximum power.</p>
ZJY265A-11WL	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 11) and (4500, 7.5) for rated power; (750, 15) and (2000, 15) for maximum power.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 140) and (4500, 15.9) for rated power; (750, 190.9) and (4500, 30) for maximum power.</p>
ZJY265A-15WL	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 15) and (4500, 11) for rated power; (750, 18.5) and (2000, 18.5) for maximum power.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 190.9) and (4500, 23.3) for rated power; (750, 235.5) and (4500, 40.9) for maximum power.</p>

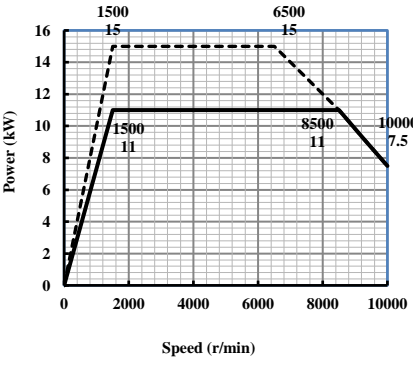
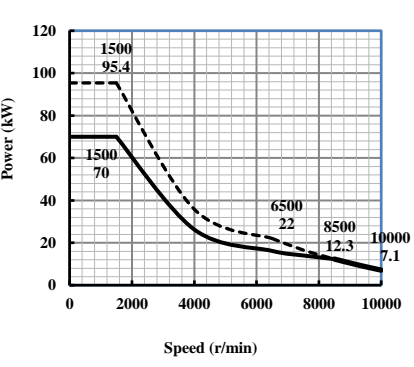
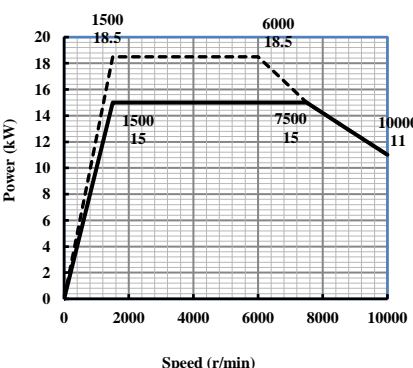
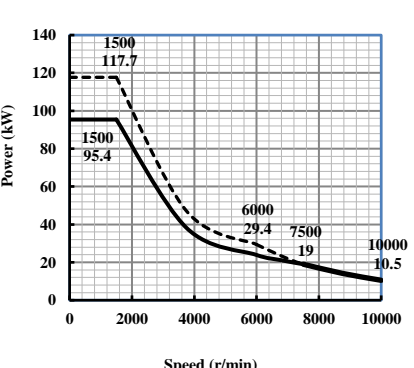
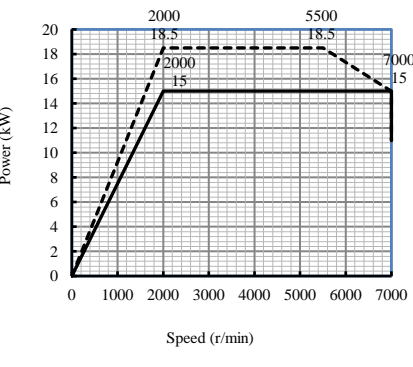
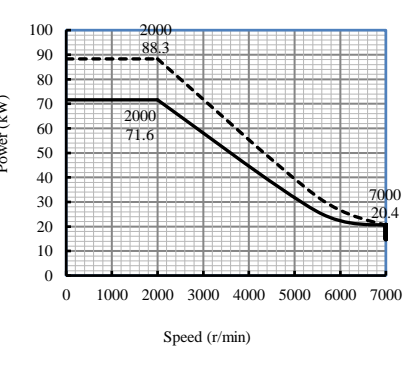
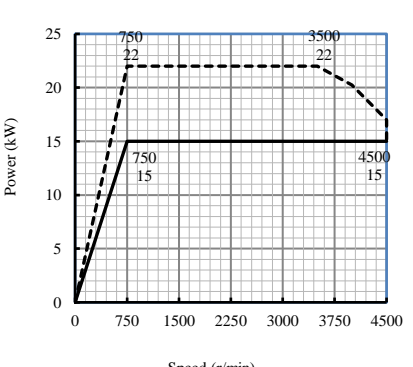
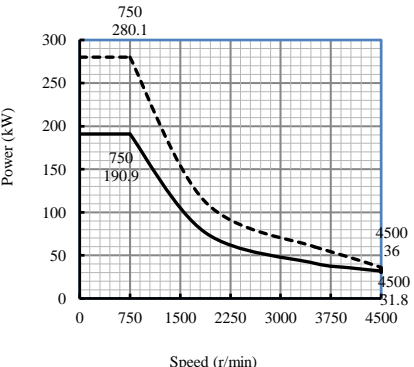
Motor Model	Power Curve	Torque Curve
ZJY265A-7.5AM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: 1000 r/min (11 kW), 3000 r/min (11 kW), 1000 r/min (7.5 kW), 4500 r/min (7.5 kW), and 7000 r/min (3 kW).</p>	 <p>Torque Curve for ZJY265A-7.5AM. The graph shows a dashed line for maximum torque and a solid line for rated torque. Key data points are: 1000 r/min (105), 1000 r/min (71.6), 3000 r/min (35), 4500 r/min (15.9), and 7000 r/min (4).</p>
ZJY265A-11AM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: 1000 r/min (15 kW), 3500 r/min (15 kW), 1000 r/min (11 kW), 4500 r/min (11 kW), and 7000 r/min (6 kW).</p>	 <p>Torque Curve for ZJY265A-11AM. The graph shows a dashed line for maximum torque and a solid line for rated torque. Key data points are: 1000 r/min (143.2), 1000 r/min (105), 3500 r/min (40.9), 4500 r/min (23.3), and 7000 r/min (8.1).</p>
ZJY265A-15AM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: 1000 r/min (18.5 kW), 3500 r/min (18.5 kW), 1000 r/min (15 kW), 4500 r/min (15 kW), and 7000 r/min (10 kW).</p>	 <p>Torque Curve for ZJY265A-15AM. The graph shows a dashed line for maximum torque and a solid line for rated torque. Key data points are: 1000 r/min (176.6), 1000 r/min (143.2), 3500 r/min (50.4), 4500 r/min (31.8), and 7000 r/min (13.6).</p>
ZJY265A-18.5AM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-18.5AM. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: 1000 r/min (22 kW), 3500 r/min (22 kW), 1000 r/min (18.5 kW), 4500 r/min (18.5 kW), and 7000 r/min (15 kW).</p>	 <p>Torque Curve for ZJY265A-18.5AM. The graph shows a dashed line for maximum torque and a solid line for rated torque. Key data points are: 1000 r/min (210), 1000 r/min (176.6), 3500 r/min (60), 4500 r/min (39.2), and 7000 r/min (20.4).</p>

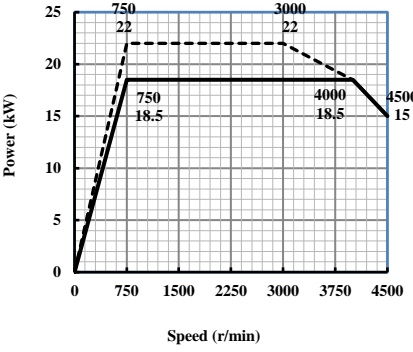
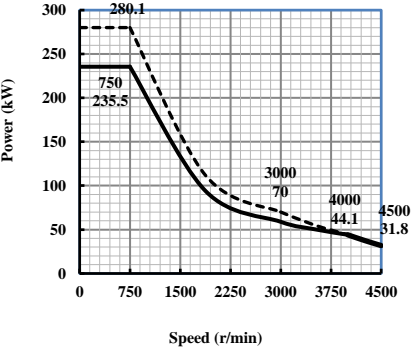
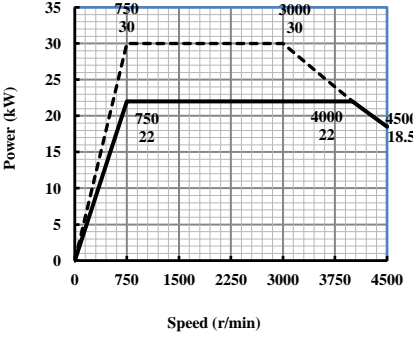
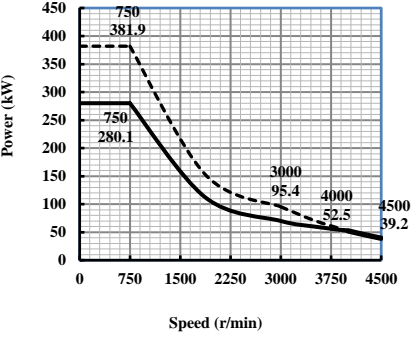
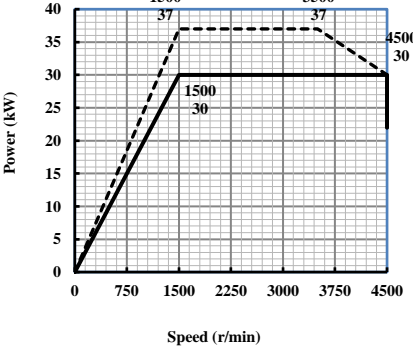
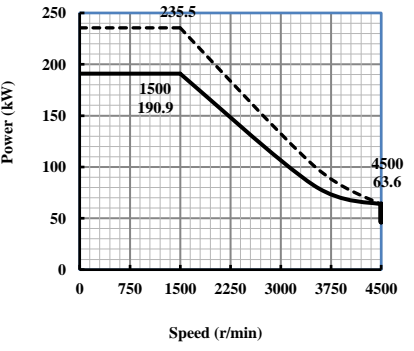
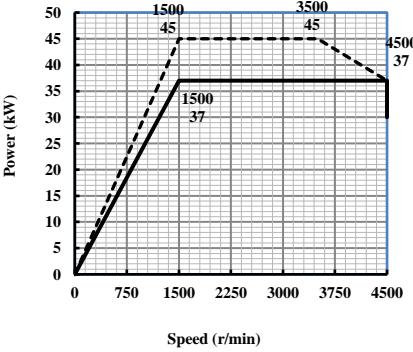
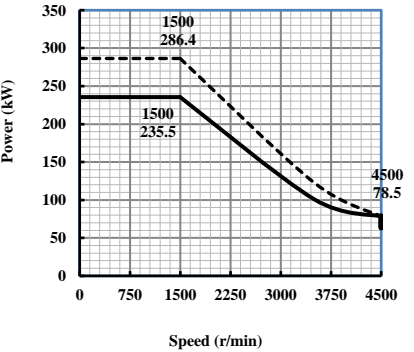
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve
ZJY265A-11BL	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 11) and (1500, 15) for the solid line; (3000, 15) and (4500, 11) for the dashed line.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 70) and (1500, 95.4) for the solid line; (4500, 23.3) for the dashed line.</p>
ZJY265A-15BL	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 15) and (1500, 18.5) for the solid line; (3000, 18.5) and (4500, 15) for the dashed line.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 95.4) and (1500, 117.7) for the solid line; (4500, 31.8) for the dashed line.</p>
ZJY265A-7.5BM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 7.5) and (1500, 11) for the solid line; (3500, 11) and (7000, 5.5) for the dashed line.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 47.7) and (1500, 70) for the solid line; (5000, 14.3) and (7000, 7.5) for the dashed line.</p>
ZJY265A-11BM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 11) and (1500, 15) for the solid line; (4000, 15) and (7000, 7.5) for the dashed line.</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 70) and (1500, 95.4) for the solid line; (4000, 35.8) and (7000, 10.2) for the dashed line.</p>

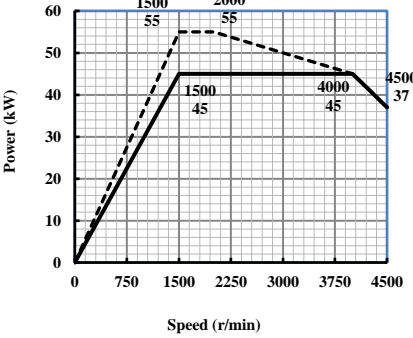
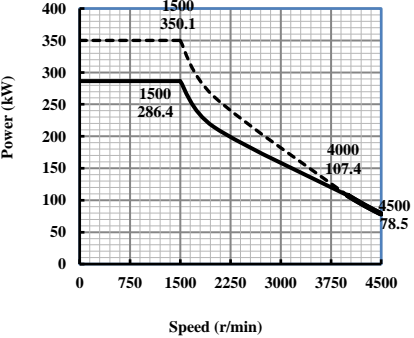
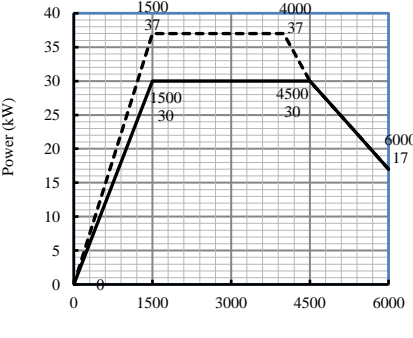
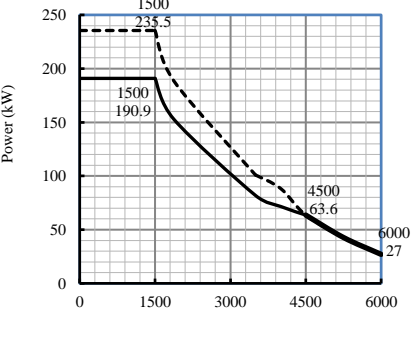
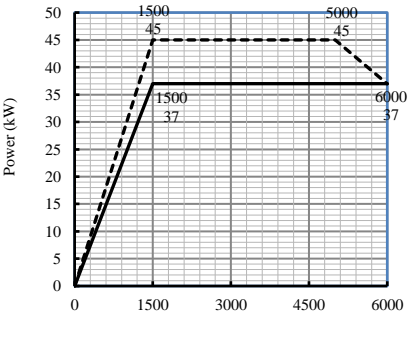
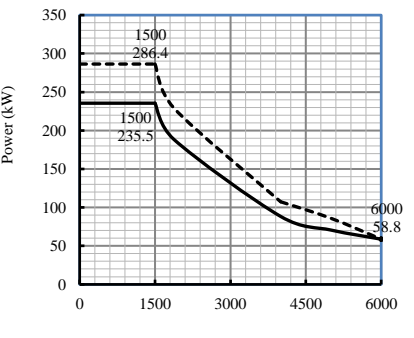
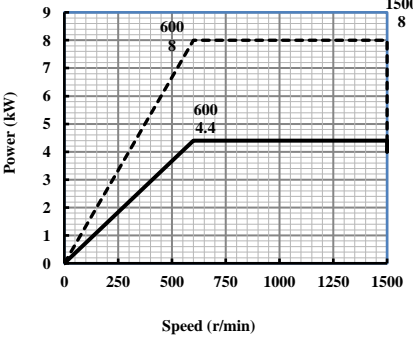
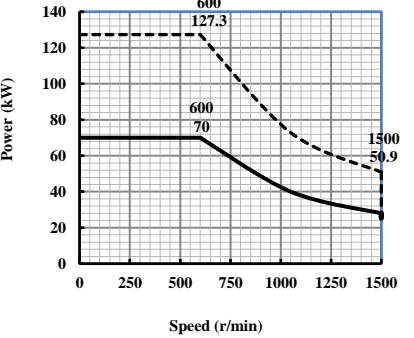
Motor Model	Power Curve	Torque Curve
ZJY265A-15BM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (15 kW), 1500 rpm (18.5 kW), 4000 rpm (18.5 kW), 5500 rpm (15 kW), and 7000 rpm (11 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (95.4 kW), 1500 rpm (117.7 kW), 4000 rpm (44.1 kW), 5500 rpm (26 kW), and 7000 rpm (15 kW).</p>
ZJY265A-18.5BM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-18.5BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (18.5 kW), 1500 rpm (22 kW), 4000 rpm (22 kW), 5500 rpm (18.5 kW), and 7000 rpm (15 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-18.5BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (117.7 kW), 1500 rpm (140 kW), 4000 rpm (52.5 kW), 5500 rpm (32.1 kW), and 7000 rpm (20.4 kW).</p>
ZJY265A-22BM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-22BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (22 kW), 1500 rpm (30 kW), 4000 rpm (30 kW), 5500 rpm (22 kW), and 7000 rpm (18.5 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-22BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (140 kW), 1500 rpm (190.9 kW), 4000 rpm (71.6 kW), 5500 rpm (38.1 kW), and 7000 rpm (25.2 kW).</p>
ZJY265A-7.5BH	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (7.5 kW), 1500 rpm (11 kW), 5500 rpm (11 kW), 8000 rpm (7.5 kW), and 10000 rpm (5.5 kW).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY265A-7.5BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are: 1500 rpm (47.7 kW), 1500 rpm (70 kW), 5500 rpm (19 kW), 8000 rpm (8.9 kW), and 10000 rpm (5.2 kW).</p>

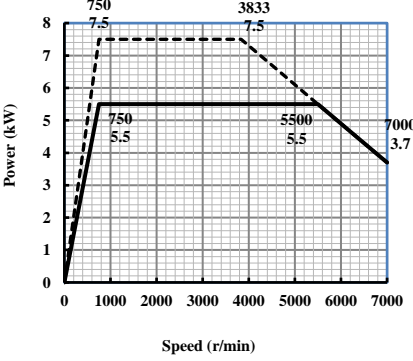
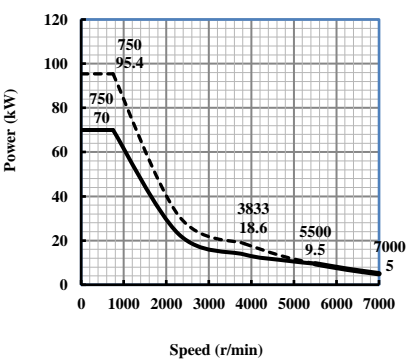
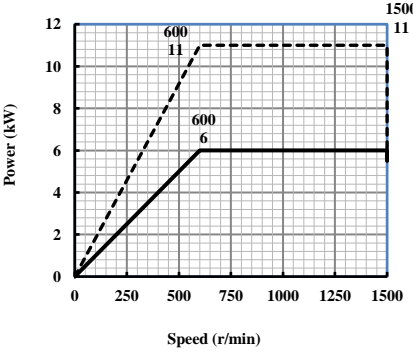
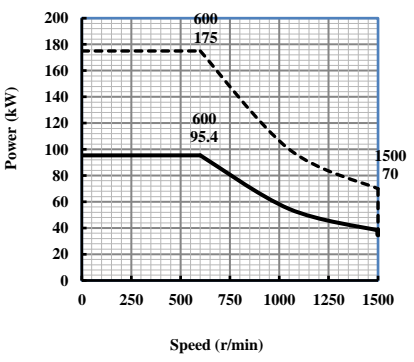
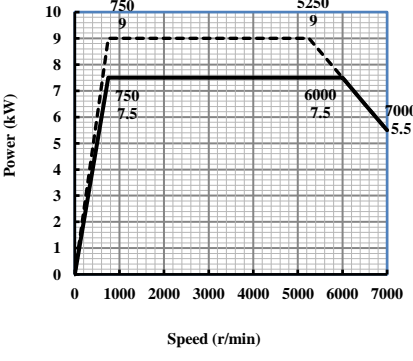
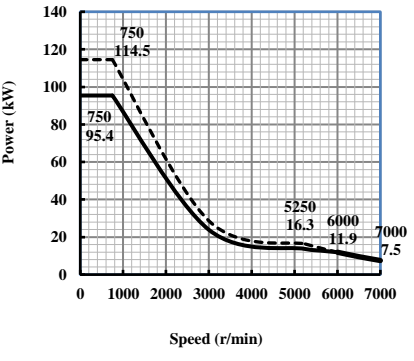
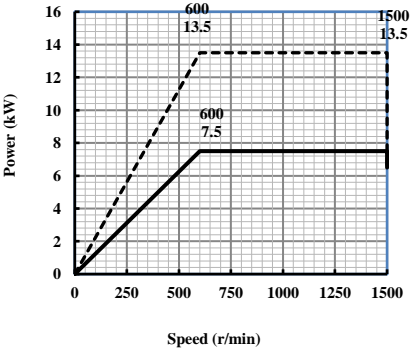
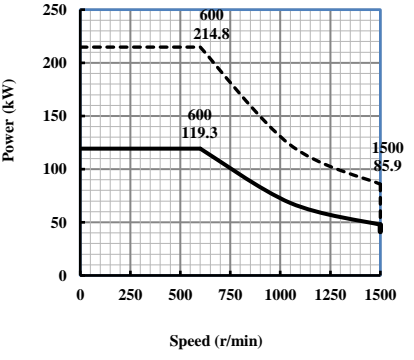
Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve																														
ZJY265A-11BH	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>1500</td> <td>11</td> <td>15</td> </tr> <tr> <td>6500</td> <td>11</td> <td>15</td> </tr> <tr> <td>8500</td> <td>11</td> <td>-</td> </tr> <tr> <td>10000</td> <td>7.5</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	1500	11	15	6500	11	15	8500	11	-	10000	7.5	-	 <p>Power (kW) vs Speed (r/min) for ZJY265A-11BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>1500</td> <td>70</td> <td>95.4</td> </tr> <tr> <td>6500</td> <td>22</td> <td>-</td> </tr> <tr> <td>8500</td> <td>12.3</td> <td>-</td> </tr> <tr> <td>10000</td> <td>7.1</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	1500	70	95.4	6500	22	-	8500	12.3	-	10000	7.1	-
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
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10000	7.5	-																														
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10000	7.1	-																														
ZJY265A-15BH	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>1500</td> <td>15</td> <td>18.5</td> </tr> <tr> <td>6000</td> <td>15</td> <td>18.5</td> </tr> <tr> <td>7500</td> <td>15</td> <td>-</td> </tr> <tr> <td>10000</td> <td>11</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	1500	15	18.5	6000	15	18.5	7500	15	-	10000	11	-	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15BH. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>1500</td> <td>95.4</td> <td>117.7</td> </tr> <tr> <td>6000</td> <td>29.4</td> <td>-</td> </tr> <tr> <td>7500</td> <td>19</td> <td>-</td> </tr> <tr> <td>10000</td> <td>10.5</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	1500	95.4	117.7	6000	29.4	-	7500	19	-	10000	10.5	-
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
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ZJY265A-15CM	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15CM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>2000</td> <td>15</td> <td>18.5</td> </tr> <tr> <td>5500</td> <td>15</td> <td>18.5</td> </tr> <tr> <td>7000</td> <td>15</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	2000	15	18.5	5500	15	18.5	7000	15	-	 <p>Power (kW) vs Speed (r/min) for ZJY265A-15CM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>2000</td> <td>71.6</td> <td>88.3</td> </tr> <tr> <td>7000</td> <td>20.4</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	2000	71.6	88.3	7000	20.4	-									
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
2000	15	18.5																														
5500	15	18.5																														
7000	15	-																														
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
2000	71.6	88.3																														
7000	20.4	-																														
ZJY320-15WL	 <p>Power (kW) vs Speed (r/min) for ZJY320-15WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>750</td> <td>15</td> <td>22</td> </tr> <tr> <td>3500</td> <td>15</td> <td>22</td> </tr> <tr> <td>4500</td> <td>15</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	750	15	22	3500	15	22	4500	15	-	 <p>Power (kW) vs Speed (r/min) for ZJY320-15WL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>750</td> <td>190.9</td> <td>280.1</td> </tr> <tr> <td>4500</td> <td>36</td> <td>-</td> </tr> <tr> <td>4500</td> <td>31.8</td> <td>-</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	750	190.9	280.1	4500	36	-	4500	31.8	-						
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																														
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750	190.9	280.1																														
4500	36	-																														
4500	31.8	-																														

Motor Model	Power Curve	Torque Curve
ZJY320-18.5WL	 <p>Power (kW) vs Speed (r/min) for ZJY320-18.5WL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 18.5), (750, 22), (3000, 22), (4000, 18.5), (4500, 15).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY320-18.5WL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 235.5), (750, 280.1), (3000, 70), (4000, 44.1), (4500, 31.8).</p>
ZJY320-22WL	 <p>Power (kW) vs Speed (r/min) for ZJY320-22WL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 22), (750, 30), (3000, 30), (4000, 22), (4500, 18.5).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY320-22WL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (750, 280.1), (750, 381.9), (3000, 95.4), (4000, 52.5), (4500, 39.2).</p>
ZJY320-30BL	 <p>Power (kW) vs Speed (r/min) for ZJY320-30BL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 30), (1500, 37), (3500, 37), (4500, 30).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY320-30BL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 190.9), (1500, 235.5), (4500, 63.6).</p>
ZJY320-37BL	 <p>Power (kW) vs Speed (r/min) for ZJY320-37BL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 37), (1500, 45), (3500, 45), (4500, 37).</p>	 <p>Power (kW) vs Speed (r/min) for ZJY320-37BL. The graph shows a solid line for rated power and a dashed line for maximum power. Key data points are: (1500, 235.5), (1500, 286.4), (4500, 78.5).</p>

Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve																																	
ZJY320-45BL	 <p>Power (kW) vs Speed (r/min) for ZJY320-45BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>45</td> <td>55</td> </tr> <tr> <td>2000</td> <td>45</td> <td>55</td> </tr> <tr> <td>4000</td> <td>45</td> <td>50</td> </tr> <tr> <td>4500</td> <td>37</td> <td>45</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	45	55	2000	45	55	4000	45	50	4500	37	45	 <p>Power (kW) vs Speed (r/min) for ZJY320-45BL. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>286.4</td> <td>350.1</td> </tr> <tr> <td>4000</td> <td>107.4</td> <td>150</td> </tr> <tr> <td>4500</td> <td>78.5</td> <td>100</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	286.4	350.1	4000	107.4	150	4500	78.5	100
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																																	
0	0	0																																	
1500	45	55																																	
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ZJY320-30BM	 <p>Power (kW) vs Speed (r/min) for ZJY320-30BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>30</td> <td>37</td> </tr> <tr> <td>4000</td> <td>30</td> <td>37</td> </tr> <tr> <td>6000</td> <td>17</td> <td>30</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	30	37	4000	30	37	6000	17	30	 <p>Power (kW) vs Speed (r/min) for ZJY320-30BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>190.9</td> <td>233.5</td> </tr> <tr> <td>4500</td> <td>63.6</td> <td>100</td> </tr> <tr> <td>6000</td> <td>27</td> <td>50</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	190.9	233.5	4500	63.6	100	6000	27	50			
Speed (r/min)	Rated Power (kW)	Maximum Power (kW)																																	
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4500	63.6	100																																	
6000	27	50																																	
ZJY320-37BM	 <p>Power (kW) vs Speed (r/min) for ZJY320-37BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>37</td> <td>45</td> </tr> <tr> <td>5000</td> <td>37</td> <td>45</td> </tr> <tr> <td>6000</td> <td>37</td> <td>40</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	37	45	5000	37	45	6000	37	40	 <p>Power (kW) vs Speed (r/min) for ZJY320-37BM. The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1500</td> <td>235.5</td> <td>286.4</td> </tr> <tr> <td>6000</td> <td>58.8</td> <td>100</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	1500	235.5	286.4	6000	58.8	100						
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6000	58.8	100																																	
ZJY265A-4.4VMD (Y connection)	 <p>Power (kW) vs Speed (r/min) for ZJY265A-4.4VMD (Y connection). The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>600</td> <td>4.4</td> <td>8</td> </tr> <tr> <td>1500</td> <td>4.4</td> <td>8</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	600	4.4	8	1500	4.4	8	 <p>Power (kW) vs Speed (r/min) for ZJY265A-4.4VMD (Y connection). The graph shows two curves: a solid line for rated power and a dashed line for maximum power. Key data points are as follows:</p> <table border="1"> <thead> <tr> <th>Speed (r/min)</th> <th>Rated Power (kW)</th> <th>Maximum Power (kW)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>600</td> <td>70</td> <td>127.3</td> </tr> <tr> <td>1500</td> <td>50.9</td> <td>100</td> </tr> </tbody> </table>	Speed (r/min)	Rated Power (kW)	Maximum Power (kW)	0	0	0	600	70	127.3	1500	50.9	100									
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1500	50.9	100																																	

Motor Model	Power Curve	Torque Curve
ZJY265A-4.4VMD (Δ connection)		
ZJY265A-6VMD (Y connection)		
ZJY265A-6VMD (Δ connection)		
ZJY265A-7.5VMD (Y connection)		

Standard Spline Dimensions and Mechanical Characteristic Curves

Motor Model	Power Curve	Torque Curve
<p>ZJY265A-7.5VMD (Δ connection)</p>		
<p>ZJY265A-9VMD (Y connection)</p>		
<p>ZJY265A-9VMD (Δ connection)</p>		
<p>ZJY320-15VLD (Y connection)</p>		

Motor Model	Power Curve	Torque Curve
<p>ZJY320-15VLD (Δ connection)</p>		
<p>ZJY320-22VMD (Y connection)</p>		
<p>ZJY320-22VMD (Δ connection)</p>		

8 Motor Dynamic Balancing

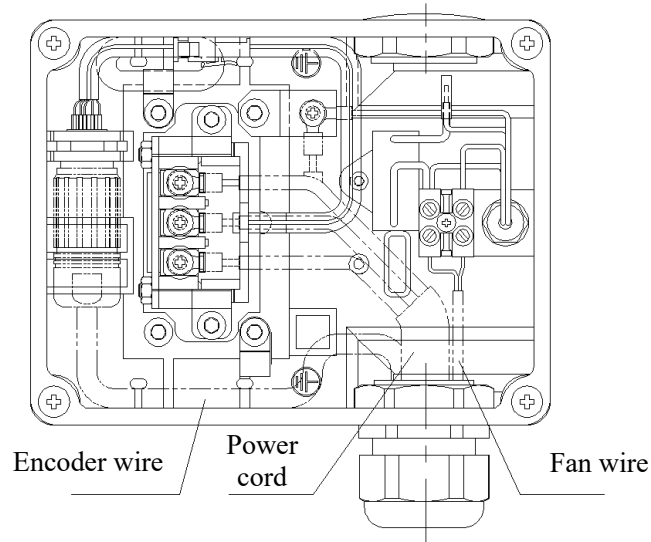
Since the operating speed of spindle motor is higher, the corresponding rotating part must be dynamically balanced. Otherwise, it will produce large vibration and noise, and even damage the motor and equipment. The dynamic balancing precision of spindle motor rotor reaches G0.4 at 6000 r/min at the time of delivery. Users should pay attention to the following when using:

- 1) It is suggested to choose the spindle motor of which the shaft extension is optical axis.
- 2) The pulley must be dynamically balanced. The precision of G1 or higher (equivalent to unilateral residual unbalance of less than 50 mg) should be reached at the highest operating speed. The set screw weight should be consistent. The concentricity between the installed clamping ring and the shaft should be not more than 0.1 mm.
- 3) If the user uses the spline connection method for some reason, the dynamic balancing core shaft must be made based on the dimensions and materials of the spindle motor shaft extension and spline. The pulley should be dynamically balanced, and the dynamic balancing precision should be the same as above. During the pulley installation, the screw hole at the motor shaft extension end can be used to press the screw, or the shrinkage fit method can be used. Knocking is not allowed.
- 4) Users who do not have dynamic balancing equipment temporarily can entrust the Company with dynamic balancing and installation of pulleys in a short period of time.

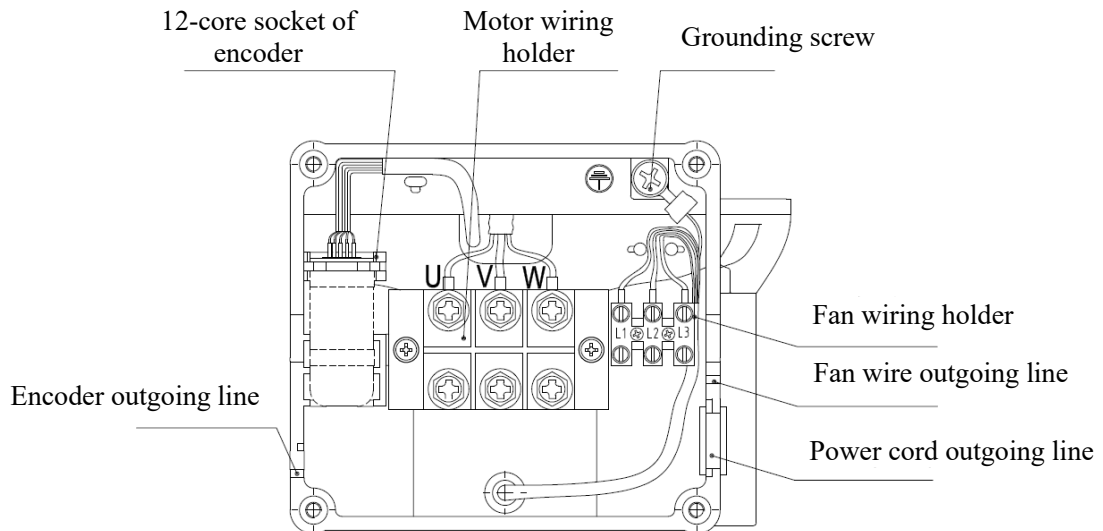
9 Cable Connection for Motor

9.1 Motor power cord connection for motor and drive unit

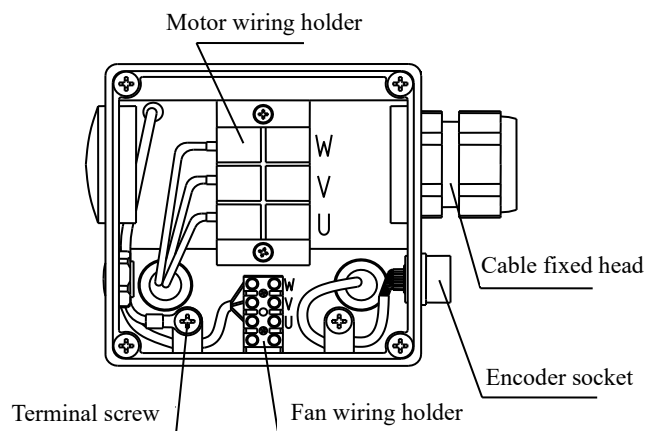
The three-phase windings U, V, W of the motor and the housing (GND) are led out through the cable fixed head, and the position relation in the connection box is shown in the following figure. U, V, W and housing (GND) are respectively connected to the U, V, W and PE terminals of the main circuit of drive unit.



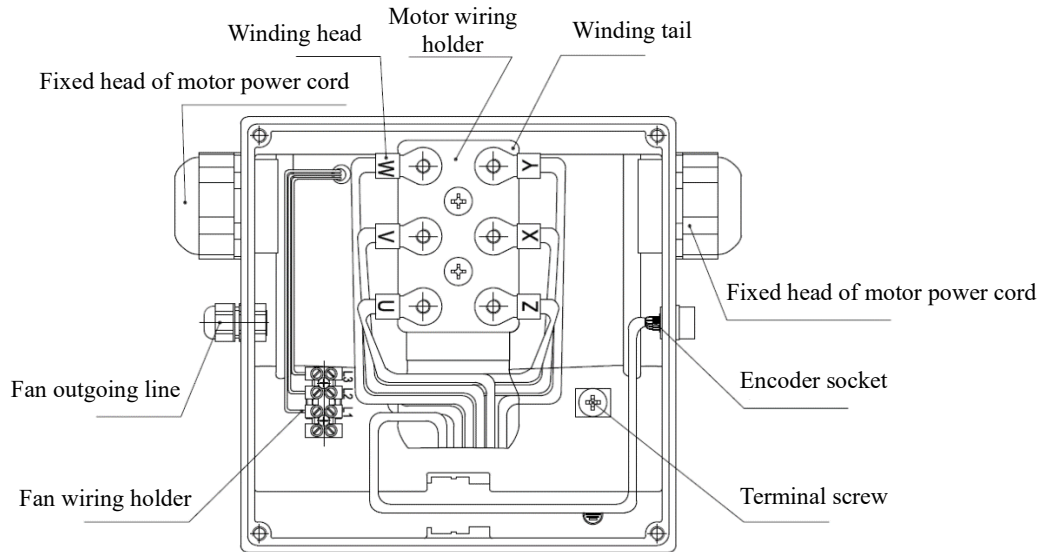
Schematic Diagram of Connection Box for ZJY141A Series Motor



Schematic Diagram of Connection Box for ZJY182A Series Motor



Schematic Diagram of Connection Boxes for ZJY208A, ZJY265A and ZJY320 Series



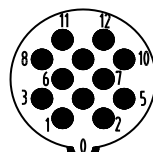
Schematic Diagram of Connection Box for Double-speed Motor Series (supporting switching between high-speed and low speed)

9.2 Power cord connection for motor fan

Supply voltage of motor fan: single-phase AC 220 V for ZJY141A series, three-phase AC 380 V ~ 440 V for other 380 V motors, and three-phase AC 220 V for 220 V motors (model suffix-L). The correct rotation direction of the fan is marked on the fan housing. Under normal circumstances, the fan blows air into the motor for cooling. Be sure to check the wind direction of the fan after powering on. In order to ensure the cooling effect, please keep the air duct unblocked, and ensure that the distance between the fan tail housing and the machine sheet metal is more than 100 mm. The blade oil and air duct of fan should be checked (once every two months) and cleaned regularly to ensure good ventilation and prolong the service life of the motor. If the fan has been damaged during operation and continues to run for a long time, resulting in motor burnout, etc., the Company will not provide free maintenance service within the warranty period.

9.3 Motor encoder wire connection for motor and drive unit

9.3.1 12-core round connector sockets are used for connecting ZJY141A, ZJY182A, ZJY208A, ZJY265A and ZJY320 series motor encoders, as shown in the following figure.



Schematic Diagram of Round Connector Socket (Welding Wire Side)

Table 4 shows the corresponding relations for incremental encoder. The lead is connected to the plug of the drive unit feedback signal CN2 as required by the drive unit.

Table 4 Definition of Adaptive Incremental Encoder

Encoder and temperature sensor leads	Housing GND (shielded wire)	V _{CC} (5V)	GND (0V) KTY84 (yellow)	Rt (KTY84 blue)	A+	A-	B+	B-	Z+	Z-
Motor socket No.	0	1	2	12	3	6	4	7	5	8
GR series CN2 No.	Metal layer	19/20	15/16/17	1	12	13	10	11	8	9

Table 5 shows the corresponding relations for absolute encoder. The lead is connected to the plug of the drive unit feedback signal CN2 as required by the drive unit.

Table 5 Definition of Adaptive Absolute Encoder

Encoder and temperature sensor leads	Housing GND (shielded wire)	V _{CC} (5V)	GND (0V) KTY84 (yellow)	Rt (KTY84 blue)	Data+	Clock+	Data-	Clock-
Motor socket No.	0	1	2	8	9	10	11	12
GR series CN2 No.	Metal layer	19/20	15/16	1	25	23	26	24

Table 6 shows the corresponding relations for the adaptive sine and cosine encoder when its lead is connected to the plug for feedback signal CN2 (MDR26 plug) of drive unit according to the drive unit requirements.

Table 6 Definition of Adaptive Sine and Cosine Encoder (Connected to CN2 Interface)

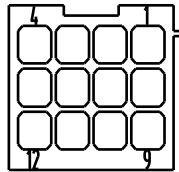
Encoder and temperature sensor leads	Housing GND (shielded wire)	V _{CC} (5V)	GND (0V) KTY84 (yellow)	Rt (KTY84 Blue)	Z+	Z-	B+	B-	A+	A-
Motor socket No.	0	12	10	11	3	4	8	1	5	6
GR series CN2 No.	Metal layer	19/21	15/17	1	7	6	3	2	5	4

Table 7 shows the corresponding relations for the adaptive sine and cosine encoder when its lead is connected to the plug for feedback signal CN3 (MDR20 plug) of drive unit according to the drive unit requirements.

Table 7 Definition of Adaptive Sine and Cosine Encoder (Connected to CN3 Interface)

Encoder and temperature sensor leads	Housing GND (shielded wire)	V _{CC} (5V)	GND (0V) KTY84 (yellow)	Rt (KTY84 blue)	Z+	Z-	B+	B-	A+	A-
Motor socket No.	0	12	10	11	3	4	8	1	5	6
GR series CN3 No.	Metal layer	20	12/19	11	1	2	3	4	5	6

9.3.2 Table 8 shows the corresponding relations when the incremental encoder lead of old ZJY182 series motor is led out through the connection box of 12-core connector plug. The lead is connected to the plug of the drive unit feedback signal CN2 as required by the drive unit.



Schematic Diagram of Plug (Back)

Table 8 Definition of Incremental Encoder for Old ZJY182 Series Motor

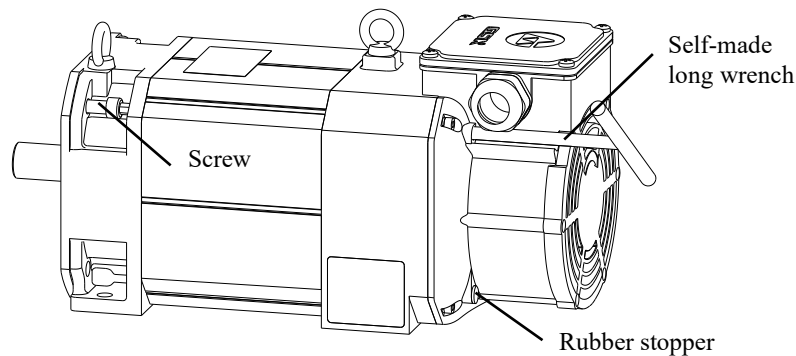
Encoder leads	Housing (GND)	V _{CC}	GND	A+	A-	B+	B-	Z+	Z-
Socket No.	1	9	5	6	10	7	11	8	12

10 Motor Installation

When the motor is required to operate at a speed of more than 2000 r/min, it is recommended to select the motor with optical axis, and fix the pulley with shrink disc. The pulley and shrink disc must be dynamically balanced and meet the requirements of G1. Otherwise, large vibrations will occur during high-speed operation.

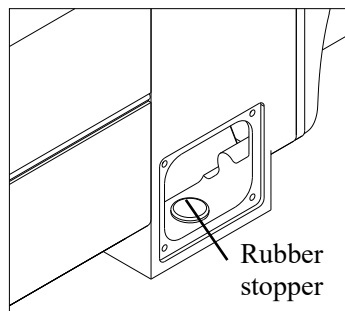
10.1 Flange installation for B5 (or adopting flange installation for B35)

M8×35 socket head cap screws, M10×35 socket head cap screws, and M12×45 socket head cap screws are separately adopted for installation of **ZJY141A**, **ZJY182**, and **ZJY208A** and **ZJY265A series**. M16×60 socket head cap screws are adopted for installation of ZJY320. When socket head cap screw is used, you can make a hex wrench with a length greater than the total length of the motor, remove the rubber stopper from the fan cover, tighten the screw from the rear end, and plug the rubber stopper back, as shown in the following figure.



10.2 Foot installation for B3 (or adopting foot installation for B35)

The sealing plates on both sides of the rear end cover should be removed before installation. The rubber stopper on the foot hole should also be removed for B35 (see the following figure). M10×30 socket head cap screws, and M12×40 socket head cap screws are separately adopted for installation of ZJY182A and ZJY208A, and ZJY265A. M16×55 socket head cap screws are adopted for installation of ZJY320.



After the motor is fixed, the sealing plates on both sides of the rear end cover must be installed. Otherwise, the cooling effect will be affected due to air leakage, resulting in motor overheating and damage.

11 Motor Storage

The motor should be stored in a clean and well-ventilated warehouse with an ambient temperature of $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ and relative humidity of not more than 95%. There should be no corrosive gases in the air.

12 Motor Transportation

During transportation, please handle products with care and avoid collision and impact. It is strictly forbidden to put them together with corrosive substances such as acid and alkali.

13 Warranty Period

Under the condition that the user complies with transportation, storage, installation, commissioning and repair of the product and with the use procedures, the Company is responsible for repairing the motor free of charge if it is damaged or cannot be used normally due to poor manufacturing quality within one year from the date of delivery (based on the delivery certificate).

Note 1: The above motors are recommended specifications of the Company, which can be adapted to most applications. Other specifications of motors can be provided if users have new requirements.

Note 2: The basic shaft extension of the motor produced by the Company is cylindrical without spline. The Company can provide other motors with different shaft extension types (special indication is required at the time of ordering), cylindrical shaft with spline (see GB/T 756 - 2010) according to the needs of users.

14 Grounding of Motor

14.1 The grounding of motor is protective grounding that is designed for preventing that the metal enclosure of the motor may have charged to threatened the safety both personnel and equipment.

14.2 The motor should be reliably grounded. The following items should be performed before the motor is turned on based upon the *Construction and Acceptance Criterion of Grounding Device of GB 50169 Electric installation Project*:

- The grounding polar and grounding cable should be adopted with the copper conductor, which is being performed by welding.
- The grounding cable on the electric equipment should be connected with the thermal zinc-plating bolts.
- The sectional area of motor's phase is less than 25mm^2 , which should be equal to the

grounding line.

- The protective grounding terminal cannot be used for other purpose other than as a protective grounding.
- The grounding resistance should be less than 4Ω .
- Never attempt to use the neutral cable of three or four phases as a grounding.
- It should be reduced the grounding resistance as for the area of high soil resistivity based upon the *GB 50169*, ensuring the grounding resistance within the acceptable range.

14.3 The occasion where the grounding cable and resistance are not meet the above-mentioned requirements that should be set again based upon the *GB 50169*.

Note: When the spindle servo motor is controlled by frequency-converter or servo drive, its character of high frequency working decides that the high frequency voltage will be held on the metal shell (without damage for the human body). The metal shell should be reliably grounded, so that the quality of electricity will be led to the ground (leakage current occurs) and ensured the potential between the metal shell and grounding.