GSK CNC Equipment Co.,Ltd.–China Southern CNC Industrial Base

GSK's Second Industrial Park–Precision Part Machining Park

GSK's Third Industrial Park–Robot Industrial Park

GSK CNC Equipment Co., Ltd. (hereinafter referred as GSK) is specially devoted to conducting research and practice of basic equipment industrial development, providing "trinity" packaged solutions of machine tool CNC system, servo drive and servo motor, taking initiative in the expansion of industrial robot and all-electric injection molding machine field, developing the new marketing mode of machine tool exhibition hall, providing the customers with all-round professional machine tool remanufacturing solutions and services, promoting the integration of production and education, setting up the vocational education and training institute, as well as conducting highly skilled CNC personnel training. It has developed into a high-tech enterprise integrating science, education, industry and trade, thus being known as "China Southern CNC Industrial Base".

Adhering to the corporate philosophy of "making itself a century-old enterprise and building gold quality" and the service spirit of "keeping improvement and making users satisfied", GSK enhances the user product value & benefits through continuous technological progress and innovation, and makes unremitting efforts to promote the localization process of basic equipment industry, improve the technological level of the industry, and promote the development of China's national equipment manufacturing industry.

GSK CNC EQUIPMENT CO., LTD.

Add: No.22 Guanda Road, Luogang District, Guangzhou, 510530, China
Web: Http://www.gsk.com.cn
Sales: 86-20-8179 7922 8179 6410
Fax: 86-20-2628 3800 8179 6213
E-mail: gsk@gsk.com.cn

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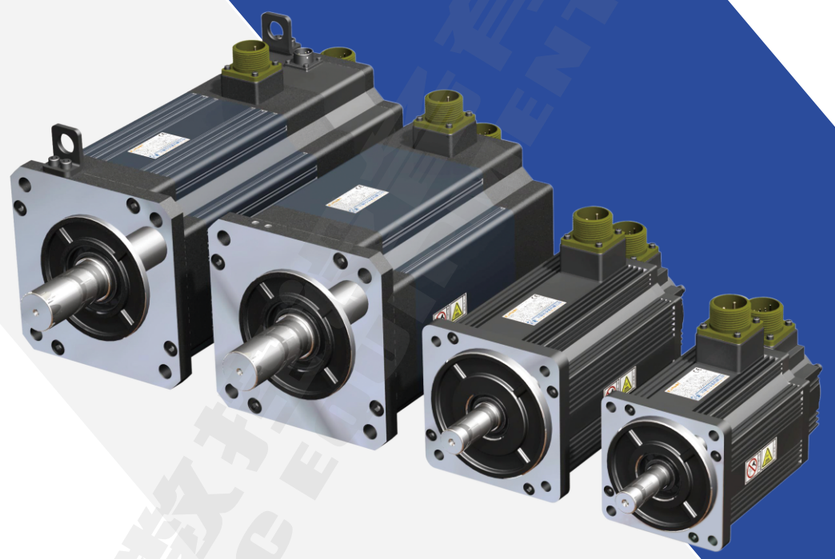


GSK SJT Series

AC Servo Motor

COMMAND THE FUTURE

Product Features

GSK SJT Series AC Servo Motor

- Full-closed structure, compact design, impressing appearance.
- Optimized electromagnetism design ensures low noise, stable performance and high efficiency.
- High quality rare earth permanent magnet material ensure low celocity performance and excelent overload capacity.
- High precision encoder ensures high precision speed control and position control.
- IP65 protection level ensures reliable performance in −15℃−40℃ temp and dust & oil mist environment.
- High precision bearings and rotor dynamic balancing technology ensures stable performance in max RPM range with min vibration and low noise.
- High torque-to-inertia-raitio,excelent quick responce.

Model Coding

80 SJT - M Z 032 E H (A□ Y□ X)

Flange size:
60/80/110/130/150/175

AC servo motor series
SJT Common
SJTG High precision & high speed
SJTR Dedicated for the robot
SJTE Performance improving series E
SJTF Performance improving series F

Feedback unit
M Photoelectric encoder

Brake:
None None
Z With brake

Zero-speed torque
Remark: It is represented by three digits, and its value is in three digits $\times 10^{-1}$ and its unit is N · m.
Example: 032×10^{-1}=3.2N · m

Connection mode
None Industrial (aviation) socket type
X Cable direct type
X_{SY} Cable direct type(waterproof)

Shaft end or installation config.
None: Standard shaft end
Y□ Special cylinder shaft end
Z□ Special cone shaft end
S□ Step Motor Mounting
Remark:Number in □ represents different motor shaft, details refer to Motor Overall and Installation Diamension Chart

Encoder type
A or none Incremental 2500p/r
A2 Incremental 5000p/r
A4 Absolute 17bit
A4 Ⅰ Absolute 17bit, Biss protocol
A4 Ⅱ Absolute 17bit, Smart-Abs protocol
A6 Absolute 23bit, Smart-Abs protocol
A7 Absolute 24bit, A-format protocol
A9 Ⅰ Absolute 25bit, Biss protocol
A9 Ⅱ Absolute 25bit, Smart-Abs protocol

Input voltage of the drive
None 220V
H 380V

Rated speed
A 1000 r/min
B 1500 r/min
C 2000 r/min
D 2500 r/min
E 3000 r/min
F 3500 r/min
G 4000 r/min

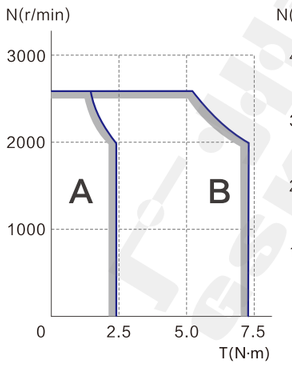
Technical specifications

Main Specification of 80SJTA motor

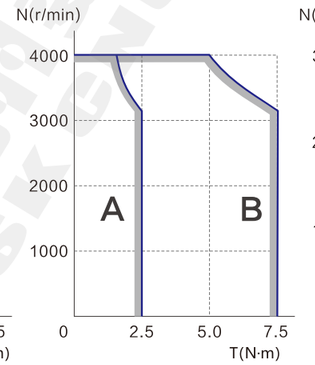
ITEM \ TYPE	80SJTA-M024C	80SJTA-M024E	80SJTA-M032C	80SJTA-M032E
Rated power (KW)	0.5	0.75	0.66	1.0
Pole pairs	4			
Input voltage (V)	AC220,Three-phase (or single phase)			AC220,Three-phase
Rated current (A)	2.5	3.8	3.2	5.5
Zero-speed torque (N · m)	2.4	2.4	3.2	3.2
Rated torque (N · m)	2.4	2.4	3.2	3.2
Max. torque (N · m)	7.2	7.2	9.6	9.6
Rated speed (r/min)	2000	3000	2000	3000
Max. speed (r/min)	2500	4000	2500	4000
Moment of inertia (kg · m^2)	0.88×10^{-4}	0.88×10^{-4}	1.14×10^{-4}	1.14×10^{-4}
Weight (kg)	3.1	3.1	3.7	3.7
Insulation grade	F (GB 755-2008/IEC 60034-1：2004)			
Vibration grade	A (GB 10068-2008/IEC 60034-14：2007)			
Protection level	IP65 (GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006)			
Installation type	IMB5 (flange installation) (GB/T 997-2008 / IEC 60034-7:2001)			
Working mode	S1 (Continuous working system) (GB 755-2008)			
Encoder pulses (p/r)	Incremental 2500 (standard configuration)			
Safe brake	DC24V,3.2N · m,11.5W, the weight of the corresponding motor is increased by 0.9 kg.			

Torque-speed characteristics (T-N)
(A: Continuous working zone; B: Intermittent working zone)

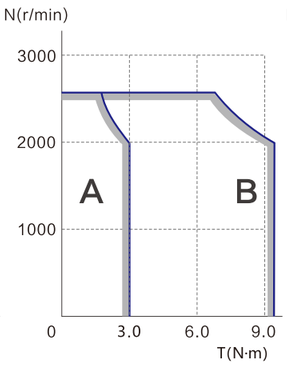
80SJTA-M024C



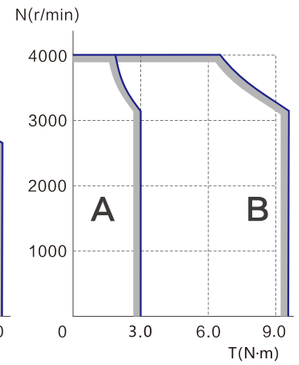
80SJTA-M024E



80SJTA-M032C



80SJTA-M032E



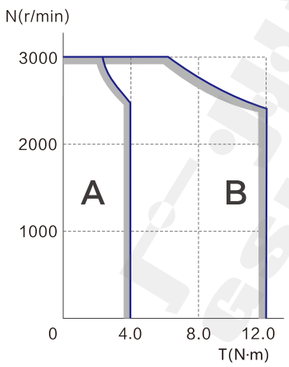
Technical specifications

Main Specification of 110SJT motor

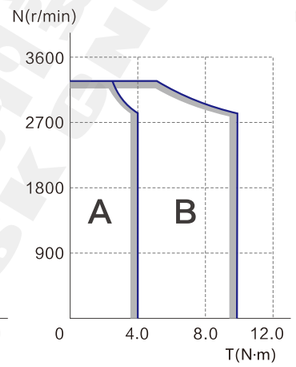
ITEM \ TYPE	110SJT-M040D	110SJT-M040E	110SJT-M060D	110SJT-M060E
Rated power (KW)	1.0	1.2	1.5	1.8
Pole pairs	4			
Input voltage (V)	AC220,Three-phase (or single phase)			
Rated current (A)	4.5	5	7	8
Zero-speed torque (N · m)	4	4	6	6
Rated torque (N · m)	4	4	6	6
Max. torque (N · m)	12	10	12	12
Rated speed (r/min)	2500	3000	2500	3000
Max. speed (r/min)	3000	3300	3000	3300
Moment of inertia (kg · m^2)	0.59×10^{-3}	0.59×10^{-3}	0.86×10^{-3}	0.86×10^{-3}
Weight (kg)	6.1	6.1	7.9	7.9
Insulation grade	F (GB 755-2008/IEC 60034-1：2004)			
Vibration grade	A (GB 10068-2008/IEC 60034-14：2007)			
Protection level	IP65 (GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006)			
Installation type	IMB5 (flange installation) (GB/T 997-2008 / IEC 60034-7:2001)			
Working mode	S1 (Continuous working system) (GB 755-2008)			
Encoder pulses (p/r)	Incremental 2500 (standard configuration)			
Safe brake	DC24V,4N · m,20W，the weight of the corresponding motor is increased by 1.6 kg.			

Torque-speed characteristics (T-N)
(A：Continuous working zone；B：Intermittent working zone)

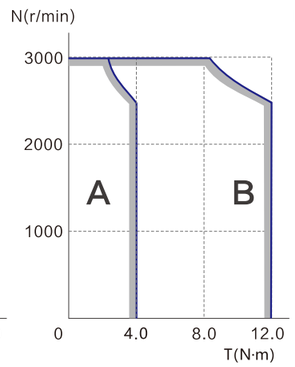
110SJT-M040D



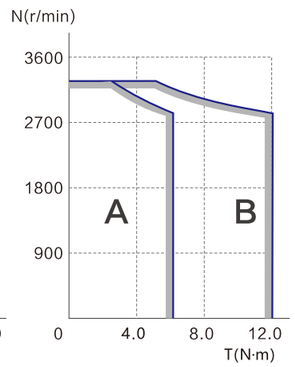
110SJT-M040E



110SJT-M060D



110SJT-M060E



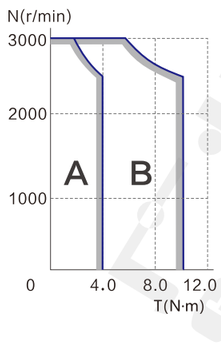
Technical specifications

Main Specification of 130SJT motor(1)

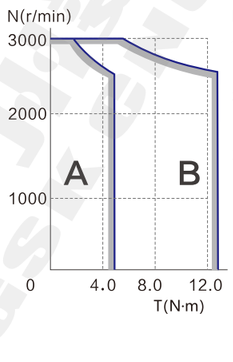
ITEM \ TYPE	130SJT-M040D	130SJT-M050D	130SJT-M050E	130SJT-M060D	130SJT-M060E
Rated power (KW)	1.0	1.3	1.57	1.5	1.88
Pole pairs	4				
Input voltage (V)	AC220 ,Three-phase				
Rated current (A)	4	5	7.2	6	7.8
Zero-speed torque (N · m)	4	5	5	6	6
Rated torque (N · m)	4	5	5	6	6
Max. torque (N · m)	10	12.5	15	18	18
Rated speed (r/min)	2500	2500	3000	2500	3000
Max. speed (r/min)	3000	3000	3500	3000	3500
Moment of inertia (kg · m^2)	0.93×10^{-3}	0.93×10^{-3}	0.93×10^{-3}	1.11×10^{-3}	1.11×10^{-3}
Weight (kg)	6.5	6.5	6.6	7.2	7.3
Insulation grade	B (GB 755-2008/IEC 60034-1：2004)				
Vibration grade	A (GB 10068-2008/IEC 60034-14：2007)				
Protection level	IP65 (GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006)				
Installation type	IMB5 (flange installation) (GB/T 997-2008 / IEC 60034-7:2001)				
Working mode	S1 (Continuous working system) (GB 755-2008)				
Encoder pulses (p/r)	Incremental 2500 (standard configuration)				
Safe brake	DC24V、12N · m、28W，the weight of the corresponding motor is increased by 2.9 kg.				

Torque-speed characteristics (T-N)
(A：Continuous working zone；B：Intermittent working zone)

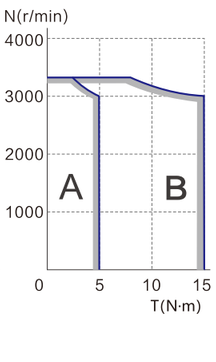
130SJT-M040D



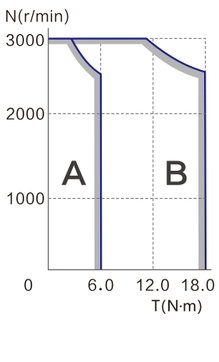
130SJT-M050D



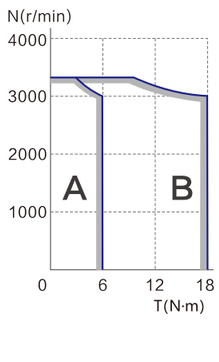
130SJT-M050E



130SJT-M060D



130SJT-M060E



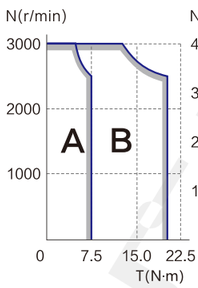
Technical specifications

Main Specification of 130SJT motor(2)

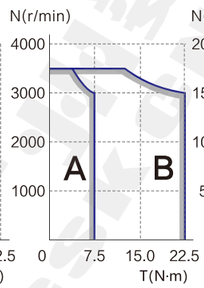
ITEM \ TYPE	130SJT-M075D	130SJT-M075E	130SJT-M100B	130SJT-M100D	130SJTB-M150B	130SJTE-M150D
Rated power (KW)	1.88	2.36	1.5	2.5	2.4	3.9
Pole pairs	4					
Input voltage (V)	AC220,Three-phase					
Rated current (A)	7.5	9.9	6	10	10	19.5
Zero-speed torque (N · m)	7.5	7.5	10	10	15	15
Rated torque (N · m)	7.5	7.5	10	10	15	15
Max. torque (N · m)	20	22.5	25	25	45	35
Rated speed (r/min)	2500	3000	1500	2500	1500	2500
Max. speed (r/min)	3000	3500	2000	3000	2000	3000
Moment of inertia (kg · m^2)	1.37×10^{-3}	1.37×10^{-3}	1.82×10^{-3}	1.82×10^{-3}	2.7×10^{-3}	2.89×10^{-3}
Weight (kg)	8.1	8.2	9.6	9.7	12.8	13.7
Insulation grade	B (GB 755-2008/IEC 60034-1：2004)					
Vibration grade	A (GB 10068-2008/IEC 60034-14：2007)					
Protection level	IP65 (GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006)					
Installation type	IMB5 (flange installation) (GB/T 997-2008 / IEC 60034-7:2001)					
Working mode	S1 (Continuous working system) (GB 755-2008)					
Encoder pulses (p/r)	Incremental 2500 (standard configuration)					
Safe brake	DC24V,12N · m,28W，the weight of the corresponding motor is increased by 2.9 kg.				DC24V、15N·m、28W，the weight is increased by 2.9 kg.	

Torque-speed characteristics（T-N）
（A：Continuous working zone；B：Intermittent working zone）

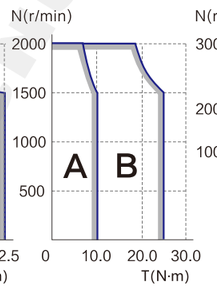
130SJT-M075D



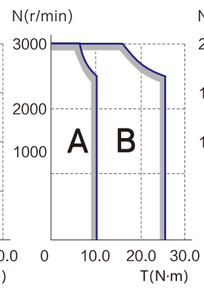
130SJT-M075E



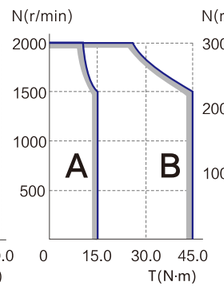
130SJT-M100B



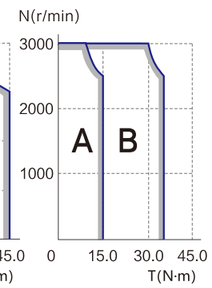
130SJT-M100D



130SJTB-M150B



130SJTE-M150D



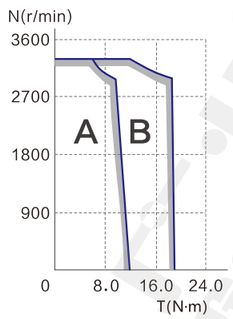
Technical specifications

Main Specification of 175SJT motor(1)

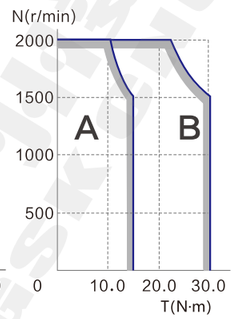
ITEM \ TYPE	175SJT-M120E	175SJT-M150B	175SJT-M150D	175SJT-M180B	175SJT-M180D
Rated power (KW)	3	2.4	3.1	2.8	3.8
Pole pairs	3				
Input voltage (V)	AC220,Three-phase				
Rated current (A)	13	11	14	15	16.5
Zero-speed torque (N · m)	12	15	15	18	18
Rated torque (N · m)	9.6	15	12	18	14.5
Max. torque (N · m)	19.2	30	24	36	29
Rated speed (r/min)	3000	1500	2500	1500	2500
Max. speed (r/min)	3300	2000	3000	2000	3000
Moment of inertia (kg · m^2)	4.8×10^{-3}	4.8×10^{-3}	4.8×10^{-3}	6.1×10^{-3}	6.1×10^{-3}
Weight (kg)	18.9	18.5	19	22.8	22.9
Insulation grade	F (GB 755-2008/IEC 60034-1：2004)				
Vibration grade	A (GB 10068-2008/IEC 60034-14：2007)				
Protection level	IP65 (GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006)				
Installation type	IMB5 (flange installation) (GB/T 997-2008 / IEC 60034-7:2001)				
Working mode	S1 (Continuous working system) (GB 755-2008)				
Encoder pulses (p/r)	Incremental 2500 (standard configuration)				
Safe brake	DC24V,23N · m,11.5W，the weight of the corresponding motor is increased by 5.6 kg.				

Torque-speed characteristics（T-N）
（A：Continuous working zone；B：Intermittent working zone）

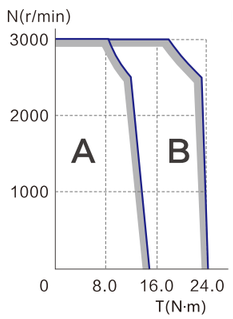
175SJT-M120E



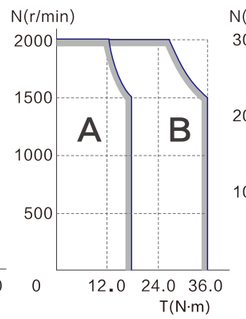
175SJT-M150B



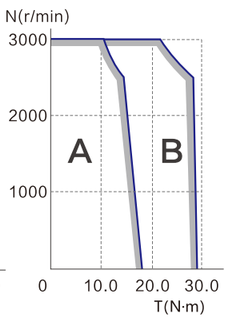
175SJT-M150D



175SJT-M180B



175SJT-M180D



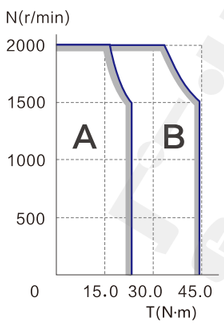
Technical specifications

Main Specification of 175SJT motor(2)

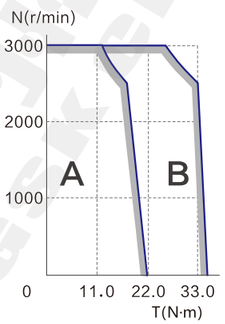
ITEM \ TYPE	175SJT-M220B	175SJT-M220D	175SJT-M300B	175SJT-M300D	175SJT-M380B
Rated power（KW）	3.5	4.5	4.7	6	6
Pole pairs	3				
Input voltage（V）	AC220,Three-phase				
Rated current（A）	17.5	19	24	27.5	29
Zero-speed torque（N · m）	22	22	30	30	38
Rated torque（N · m）	22	17.6	30	24	38
Max. torque（N · m）	44	35.2	60	48	76
Rated speed（r/min）	1500	2500	1500	2500	1500
Max. speed（r/min）	2000	3000	2000	3000	1800
Moment of inertia（kg · m^2）	8.5×10^{-3}	8.5×10^{-3}	10.5×10^{-3}	10.5×10^{-3}	13.9×10^{-3}
Weight（kg）	28.9	29.2	34.3	34.4	42.4
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）				
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）				
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）				
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）				
Working mode	S1（Continuous working system）（GB 755-2008）				
Encoder pulses（p/r）	Incremental 2500 (standard configuration)				
Safe brake	DC24V、23N · m、30W，the weight is increased by 5.6 kg.		DC24V、46N · m、40W，the weight of the corresponding motor is increased by 7.7 kg.		

Torque-speed characteristics（T-N）
（A：Continuous working zone；B：Intermittent working zone）

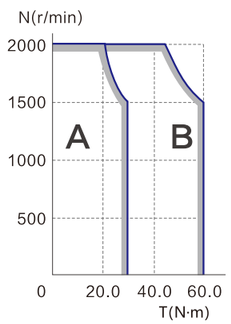
175SJT-M220B



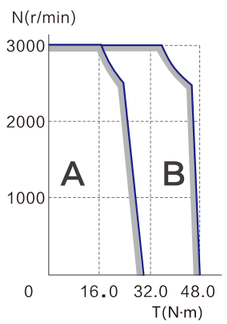
175SJT-M220D



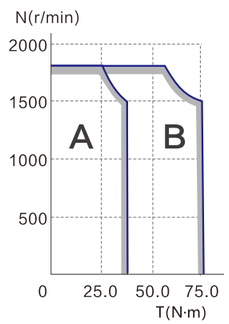
175SJT-M300B



175SJT-M300D



175SJT-M380B



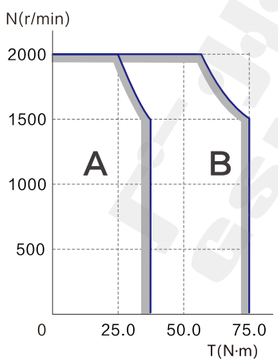
Technical specifications

Main Specification of 175SJT(380V) motor

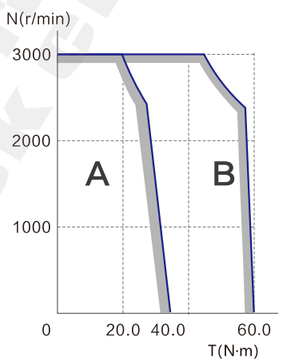
ITEM \ TYPE	175SJT-M380BH	175SJT-M380DH	175SJT-M500BH	175SJT-M500DH
Rated power（KW）	6	7.9	7.8	10.5
Pole pairs	3			
Input voltage（V）	AC380,Three-phase			
Rated current（A）	15	26	20	33
Zero-speed torque（N · m）	38	38	50	50
Rated torque（N · m）	38	30	50	40
Max. torque（N · m）	76	60	100	80
Rated speed（r/min）	1500	2500	1500	2500
Max. speed（r/min）	2000	3000	2000	3000
Moment of inertia（kg · m^2）	13.9×10^{-3}	13.9×10^{-3}	13.9×10^{-3}	13.9×10^{-3}
Weight（kg）	42.2	42.4	48.7	48.9
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）			
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）			
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）			
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）			
Working mode	S1（Continuous working system）（GB 755-2008）			
Encoder pulses（p/r）	Incremental 2500 (standard configuration)			
Safe brake	DC24V、46N · m、40W，the weight is increased by 7.7kg		DC24V、46N · m、40W，the weight is increased by 8.5kg	
Cooling fan	Not available		Ac380 three-phase, 50Hz（terminal 1 earth connection，terminals 2,3 and 4 connected with the power supply），30W，IP54	

Torque-speed characteristics（T-N）
（A：Continuous working zone；B：Intermittent working zone）

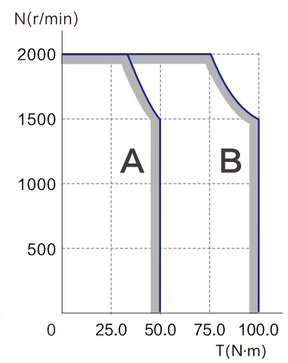
175SJT-M380BH



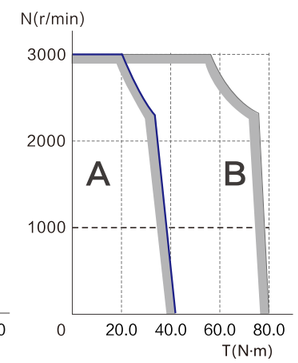
175SJT-M380DH



175SJT-M500BH



175SJT-M500DH



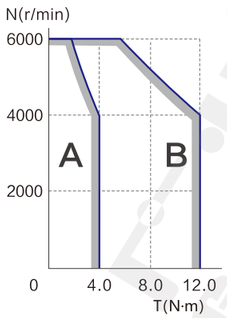
Technical specifications

Main Specification of 130SJTG motor

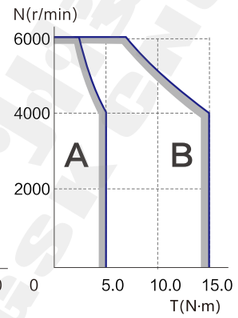
ITEM \ TYPE	130SJTG-M040GH	130SJTG-M050GH	130SJTG-M060GH	130SJTG-M075GH	130SJTG-M100GH
Rated power（KW）	1.7	2.1	2.5	3.1	4.2
Pole pairs	4				
Input voltage（V）	AC380,Three-phase				
Rated current（A）	4.8	6	7.2	7.5	10
Zero-speed torque（N · m）	4	5	6	7.5	10
Rated torque（N · m）	4	5	6	7.5	10
Max. torque（N · m）	12	15	18	22.5	30
Rated speed（r/min）	4000	4000	4000	4000	4000
Max. speed（r/min）	6000	6000	6000	5000	5000
Moment of inertia（kg · m^2）	1.0×10^{-3}	1.2×10^{-3}	1.5×10^{-3}	1.9×10^{-3}	2.5×10^{-3}
Weight（kg）	6.6	7.5	8.4	9.9	11.9
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）				
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）				
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）				
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）				
Working mode	S1（Continuous working system）（GB 755-2008）				
Encoder pulses（p/r）	Absolute 17bit（Standard configuration）				
Safe brake	DC24V、12N · m、28W，the weight of the corresponding motor is increased by 2.9 kg.				

Torque-speed characteristics（T-N）
（A：Continuous working zone；B：Intermittent working zone）

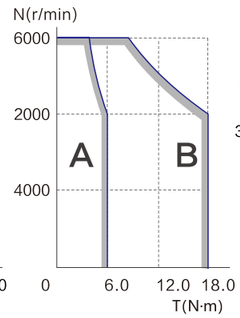
130SJTG-M040GH



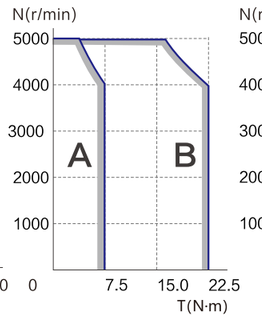
130SJTG-M050GH



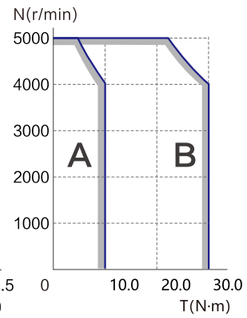
130SJTG-M060GH



130SJTG-M075GH



130SJTG-M100GH



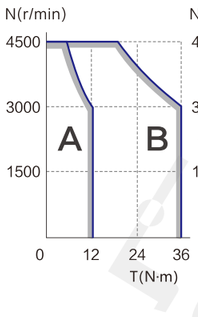
Technical specifications

Main Specification of 175SJTG motor

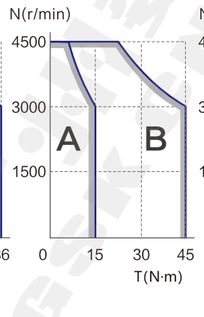
ITEM \ TYPE	175SJTG-M120EH	175SJTG-M150EH	175SJTG-M180EH	175SJTG-M220EH	175SJTG-M300EH	175SJTG-M380EH
Rated power（KW）	3.8	4.7	5.7	6.9	9.4	11.9
Pole pairs	4					
Input voltage（V）	AC380,Three-phase					
Rated current（A）	10.5	12.5	15.5	18.5	25	32
Zero-speed torque（N · m）	12	15	18	22	30	38
Rated torque（N · m）	12	15	18	22	30	38
Max. torque（N · m）	36	45	54	66	90	114
Rated speed（r/min）	3000	3000	3000	3000	3000	3000
Max. speed（r/min）	4500	4500	4500	4500	4500	4500
Moment of inertia（kg · m^2）	4.1×10^{-3}	4.9×10^{-3}	6.1×10^{-3}	7.2×10^{-3}	9.5×10^{-3}	12.1×10^{-3}
Weight（kg）	18.8	21.2	24.5	27.8	34.4	41.8
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）					
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）					
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）					
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）					
Working mode	S1（Continuous working system）（GB 755-2008）					
Encoder pulses（p/r）	Absolute 17bit（Standard configuration）					
Safe brake	DC24V,23N · m,30W，the weight of the corresponding motor is increased by5.6kg				DC24V,46N · m,40W,the weight is increased by7.7kg	

Torque-speed characteristics（T-N）
（A：Continuous working zone；B：Intermittent working zone）

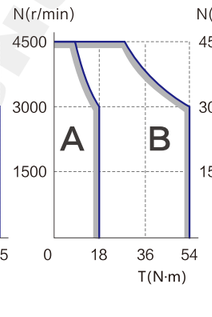
175SJTG-M120EH



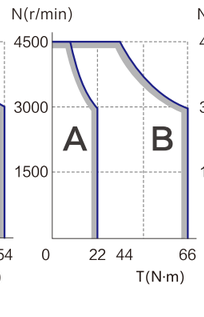
175SJTG-M150EH



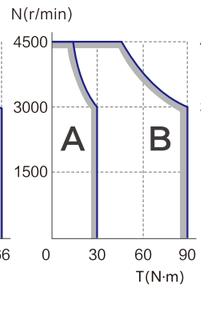
175SJTG-M180EH



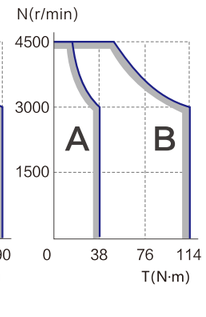
175SJTG-M220EH



175SJTG-M300EH



175SJTG-M380EH



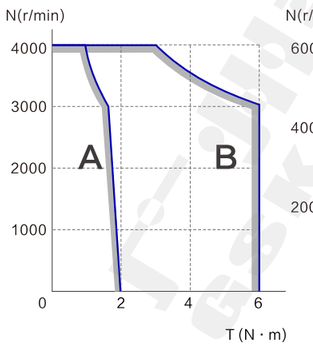
Technical specifications

Main Specification of 90SJTF motor

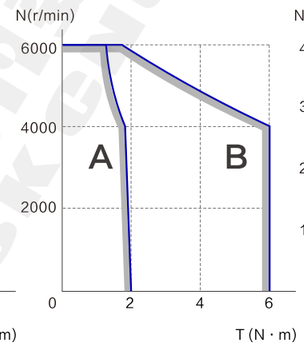
ITEM \ TYPE	90SJTF-M020E	90SJTF-M020G	90SJTF-M040E	90SJTF-M040G
Rated power (KW)	0.5	0.75	0.75	1
Pole pairs	4			
Input voltage (V)	AC220,Three-phase			
Rated current (A)	2.9	4.5	4	5.9
Zero_speed torque (N · m)	2	2	4	4
Rated torque (N · m)	1.59	1.79	2.39	2.39
Max. torque (N · m)	6	6	10	7.2
Rated speed (r/min)	3000	4000	3000	4000
Max. speed (r/min)	4000	6000	4000	6000
Moment of inertial (kg · m^2)	2.71×10^{-4}	2.71×10^{-4}	4.75×10^{-4}	4.75×10^{-4}
Weight (kg)	3.1	3.1	4.5	4.5
Insolation grade	F (GB 755—2008/IEC 60034-1：2004)			
Vibration grade	A (JB/T 11991—2014)			
Protection level	IP65 (GB 4208—2017/IEC 60529：2013，GB/T 4942.1—2006/ IEC 60034-5：2000)			
Installation type	IMB5 (Flange Installation) (GB/T 997—2008 / IEC 60034-7:2001)			
Working mode	S1 (Continuous working System) (GB/T 755—2008/ IEC 60034-1:2004)			
Encoder pulse (p/r)	Absolute 25bit (Standard configuration)			
Safe brake	DC24V、4N · m、13W，The Weight is increased by 1kg			

Torque-speed characteristics (T-N)
(A: Continuous working zone; B: Intermittent working zone)

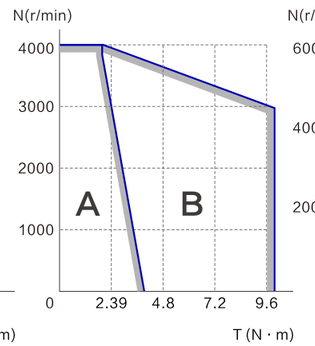
90SJTF-M020E



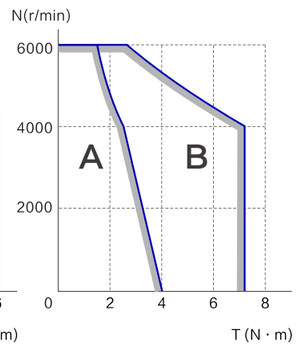
90SJTF-M020G



90SJTF-M040E



90SJTF-M040G



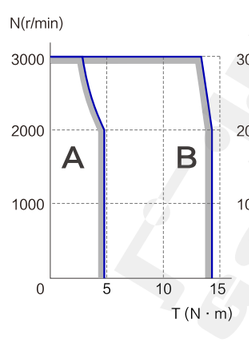
Technical specifications

Main Specification of 130SJTF motor

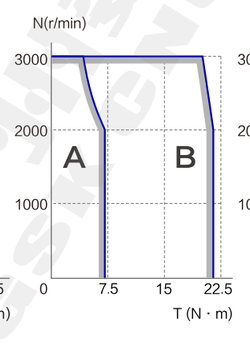
ITEM \ TYPE	130SJTF-M048C	130SJTF-M072C	130SJTF-M096C	130SJTF-M120C	130SJTF-M150C
Rated power (KW)	1.0	1.5	2.0	2.5	3
Pole pairs	4				
Input voltage (V)	AC220,Three-phase				
Rated current (A)	6.5	9	12	15	18
Zero-speed torque (N · m)	4.77	7.16	9.55	11.9	15
Rated torque (N · m)	4.77	7.16	9.55	11.9	14.5
Max. torque (N · m)	14.3	21.5	28.7	35.7	45
Rated speed (r/min)	2000	2000	2000	2000	2000
Max. speed (r/min)	3000	3000	3000	3000	3000
Moment of inertia (kg · m^2)	11.9×10^{-4}	17.6×10^{-4}	22.6×10^{-4}	27.0×10^{-4}	32.8×10^{-4}
Weight (kg)	6.6	8.4	10.2	11.8	14
Insulation grade	F (GB 755-2008/IEC 60034-1：2004)				
Vibration grade	A (GB 10068-2008/IEC 60034-14：2007)				
Protection level	IP65 (GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006)				
Installation type	IMB5 (flange installation) (GB/T 997-2008 / IEC 60034-7:2001)				
Working mode	S1 (Continuous working system) (GB 755-2008)				
Encoder pulses (p/r)	Absolute 25bit (standard configuration)				
Safe brake	DC24V,12N · m,19.4W，the weight of the corresponding motor is increased by 2.9 kg.				

Torque-speed characteristics (T-N)
(A: Continuous working zone; B: Intermittent working zone)

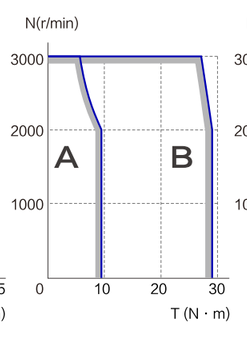
130SJTF-M048C



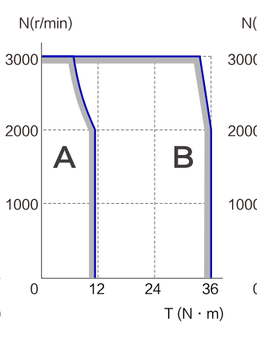
130SJTF-M072C



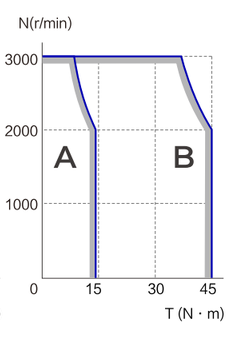
130SJTF-M096C



130SJTF-M120C



130SJTF-M150C



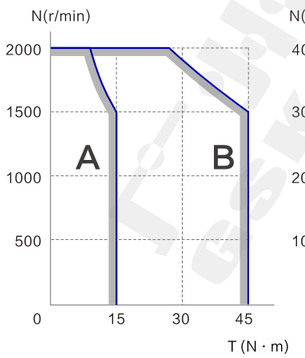
Technical specifications

Main Specification of 175SJTF motor(1)

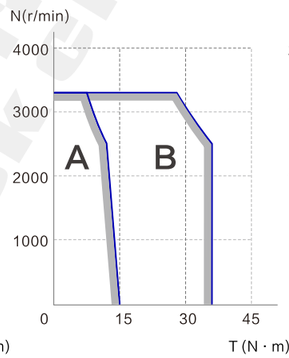
ITEM \ TYPE	175SJTF-M150B	175SJTF-M150D	175SJTF-M180B	175SJTF-M180D
Rated power（KW）	2.4	3.1	2.8	3.8
Pole pairs	4			
Input voltage（V）	AC220,Three-phase			
Rated current（A）	12	16	14	17.5
Zero-speed torque（N · m）	15	15	18	18
Rated torque（N · m）	15	12	18	14.5
Max. torque（N · m）	45	36*	54	43.5
Rated speed（r/min）	1500	2500	1500	2500
Max. speed（r/min）	2000	3300	2000	3000
Moment of inertia（kg · m^2）	5.2×10^{-3}	5.2×10^{-3}	6.1×10^{-3}	6.1×10^{-3}
Weight（kg）	19.6	19.6	22.0	22.0
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）			
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）			
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）			
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）			
Working mode	S1（Continuous working system）（GB 755-2008）			
Encoder pulses（p/r）	Absolute 25bit (standard configuration)			
Safe brake	DC24V,23N · m,30W,the weight of the corresponding motor is increased by5.6kg		DC24V,33N · m,30W,the weight of the corresponding motor is increased by5.6kg	

Torque-speed characteristics（T-N）
（A: Continuous working zone; B: Intermittent working zone）

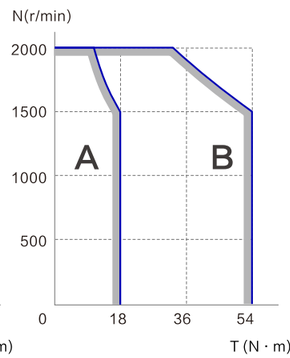
175SJTF-M150B



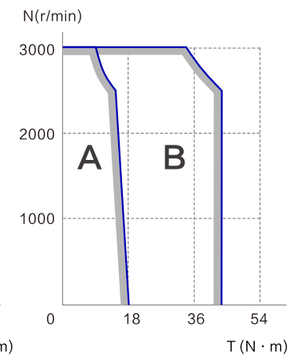
175SJTF-M150D



175SJTF-M180B



175SJTF-M180D



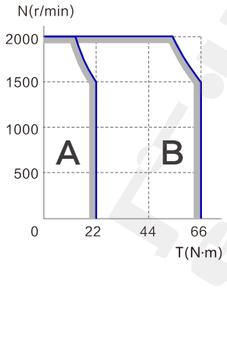
Technical specifications

Main Specification of 175SJTF motor(2)

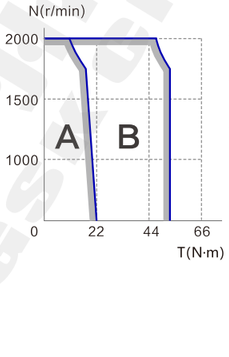
ITEM \ TYPE	175SJTF-M220B	175SJTF-M220D	175SJTF-M300B	175SJTF-M300D	175SJTF-M380B
Rated power（KW）	3.5	4.6	4.7	6.3	6.0
Pole pairs	4				
Input voltage（V）	AC220,Three-phase				
Rated current（A）	17.5	22.5	23.5	129.5	30.5
Zero-speed torque（N · m）	22	22	30	30	38
Rated torque（N · m）	22	17.6	30	24	38
Max. torque（N · m）	66	52.8*	90*	69.1	105.8
Rated speed（r/min）	1500	2500	1500	2500	1500
Max. speed（r/min）	2000	3000	2000	3000	2000
Moment of inertia（kg · m^2）	7.3×10^{-3}	7.3×10^{-3}	8.4×10^{-3}	8.4×10^{-3}	10.7×10^{-3}
Weight（kg）	25.3	25.3	28.6	28.6	35.2
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）				
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）				
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）				
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）				
Working mode	S1（Continuous working system）（GB 755-2008）				
Encoder pulses（p/r）	Absolute 25bit (standard configuration)				
Safe brake	DC24V,33N · m,30W，the weight is increased by 5.6 kg.		DC24V,46N · m,40W，the weight of the corresponding motor is increased by 7.7 kg.		

Torque-speed characteristics（T-N）
（A: Continuous working zone; B: Intermittent working zone）

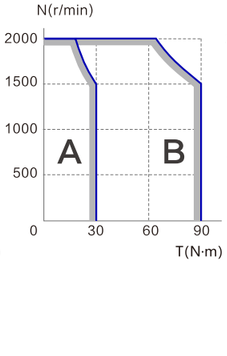
175SJTF-M220B



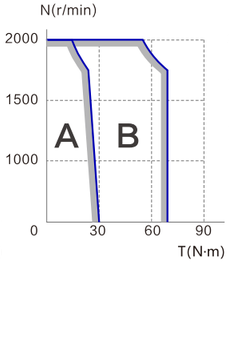
175SJTF-M220D



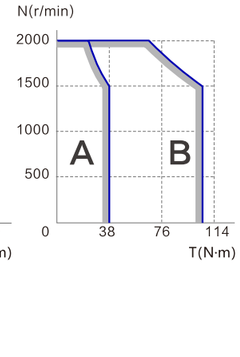
175SJTF-M300B



175SJTF-M300D



175SJTF-M380B



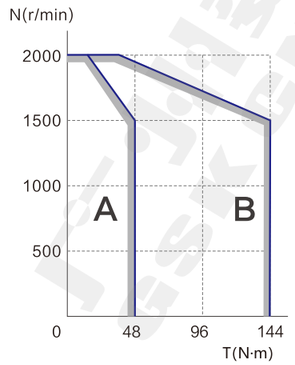
Technical specifications

Main Specification of 220SJTE motor

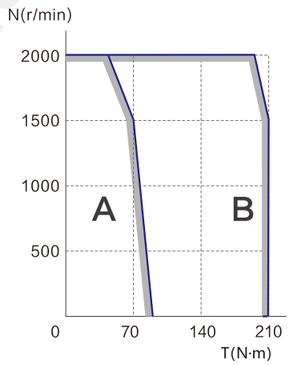
项目 / 型号	220SJTE-M600BH	220SJTE-M900BH	220SJTE-M1200BH
Rated power（KW）	7.5	11	15
Pole pairs	4		
Input voltage（V）	AC380 Three Phase		
Rated current（A）	19	28	38
Zero-speed torque（N · m）	60	90	120
Rated torque（N · m）	48	70	95.4
Max. torque（N · m）	144	210	287
Rated speed（r/min）	1500	1500	1500
Max. speed（r/min）	2000	2000	2000
Moment of inertia（kg · m^2）	17.6×10^{-3}	25.3×10^{-3}	34×10^{-3}
Weight（kg）	42	59	75
Insulation grade	F（GB 755—2008/IEC 60034-1：2004）		
Vibration grade	A（GB 10068—2008/IEC 60034-14：2007）		
Protection level	IP65（GB 4208—2008/IEC 60529：2001，GB/T 4942.1—2006）		
Installation type	IMB5（Flange Installation）（GB/T 997—2008 / IEC 60034-7:2001）		
Working mode	S1（Continuous working System）（GB 755—2008）		
Encoder pulses（p/r）	Absolute 25bit（Standard configuration）		
Safe brake	DC24V、95N · m、53W，The Weight is increased by 8.6kg		

Torque-speed characteristics（T-N）
（A: Continuous working zone; B: Intermittent working zone）

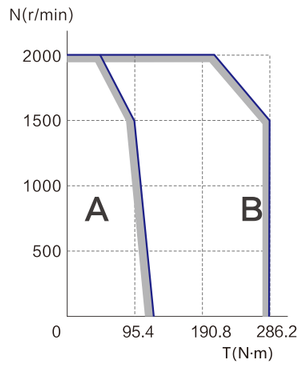
220SJTE-M600BH



220SJTE-M900BH



220SJTE-M1200BH



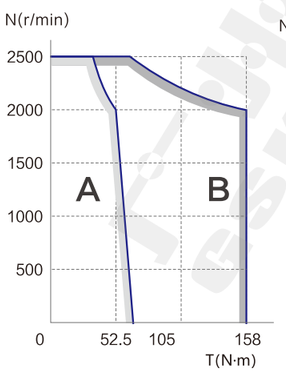
Motor Overall and Installation Dimension

Main Specification of 265SJTE motor

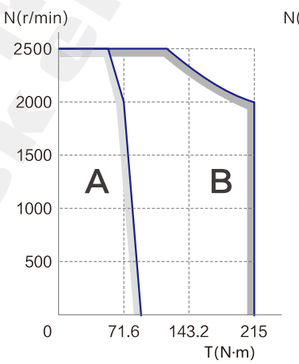
ITEM / TYPE	265SJTE-M700CH	265SJTE-M1000CH	26SJTE-M1400CH	265SJTE-M2000CH
Rated power（KW）	11	15	22	30
Pole pairs	4			
Input voltage（V）	AC 380 ,Three-phase			
Rated current（A）	32	37	55	66
Zero-speed torque（N · m）	70	100	140	200
Rated torque（N · m）	52.5	71.6	105	143.3
Max. torque（N · m）	158	215	315	430
Rated speed（r/min）	2000	2000	2000	2000
Max. speed（r/min）	2500	2500	2500	2500
Moment of inertia（kg · m^2）	1.55×10^{-2}	2.05×10^{-2}	2.8×10^{-2}	3.8×10^{-2}
Weight（kg）	60	70	85	100
Insulation grade	F（GB 755-2008/IEC 60034-1：2004）			
Vibration grade	A（GB 10068-2008/IEC 60034-14：2007）			
Protection level	IP65（GB 4208-2008/IEC 60529：2001，GB/T 4942.1-2006）			
Installation type	IMB5（flange installation）（GB/T 997-2008 / IEC 60034-7:2001）			
Working mode	S1（Continuous working system）（GB 755-2008）			
Encoder pulses（p/r）	Incremental 2500 (standard configuration)			
Safe brake	None			
Cooling fan	AC380 three-phase, 50Hz			

Torque-speed characteristics（T-N）
（A: Continuous working zone; B: Intermittent working zone）

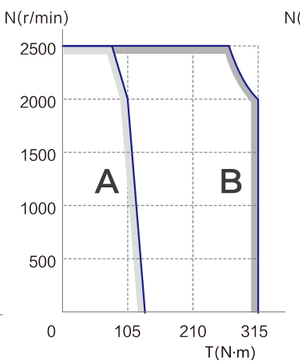
265SJTE-M700CH



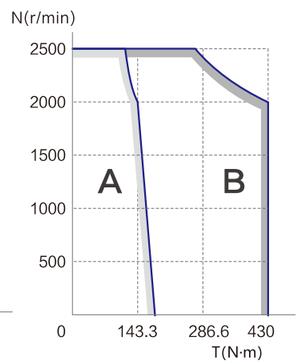
265SJTE-M1000CH



265SJTE-M1400CH



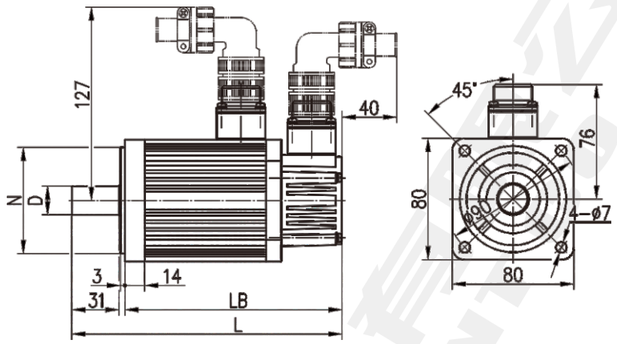
265SJTE-M2000CH



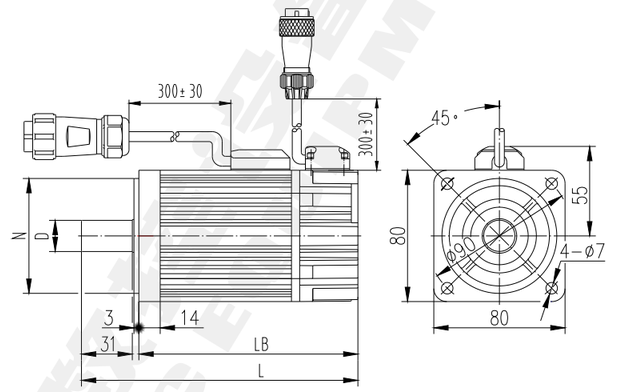
Motor Overall and Installation Dimension

80SJTA series motor overall installation dimension

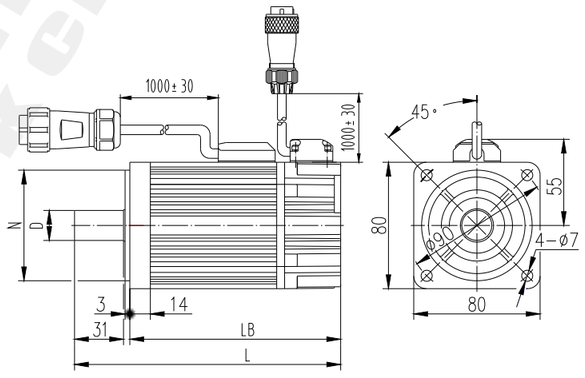
Industrial(aviation) socket type



Cable direct type(Water proof Xsy)



Cable direct type(Water proof Xd)

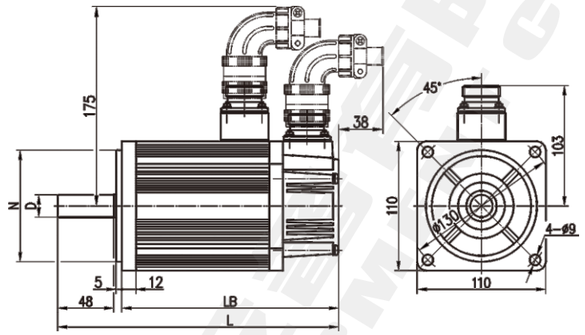


Motor Overall and Installation Dimension

TYPE	D(mm)	N(mm)	LB(mm)	L(mm)
80SJTA-M024C	$\phi 19^{0}_{-0.013}$	$\phi 70^{0}_{-0.03}$	171(213)	206(248)
80SJTA-M024E	$\phi 19^{0}_{-0.013}$	$\phi 70^{0}_{-0.03}$	171(213)	206(248)
80SJTA-M032C	$\phi 19^{0}_{-0.013}$	$\phi 70^{0}_{-0.03}$	189(231)	224(266)
80SJTA-M032E	$\phi 19^{0}_{-0.013}$	$\phi 70^{0}_{-0.03}$	189(231)	224(266)

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

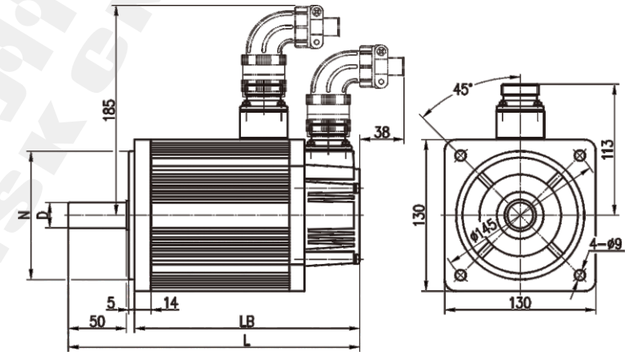
110SJT series motor overall installation dimension



TYPE	D(mm)	N(mm)	LB(mm)	L(mm)
110SJT-M040D	$\phi 19^{0}_{-0.013}$	$\phi 95^{0}_{-0.035}$	186 (237)	241 (292)
110SJT-M040E	$\phi 19^{0}_{-0.013}$	$\phi 95^{0}_{-0.035}$	186 (237)	241 (292)
110SJT-M060D	$\phi 19^{0}_{-0.013}$	$\phi 95^{0}_{-0.035}$	212 (263)	267 (318)
110SJT-M060E	$\phi 19^{0}_{-0.013}$	$\phi 95^{0}_{-0.035}$	212 (263)	267 (318)

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

130SJT series motor overall installation dimension

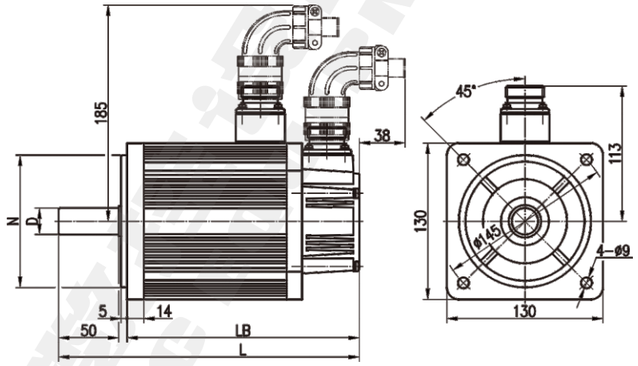


Motor Overall and Installation Dimension

TYPE	D(mm)	N(mm)	LB(mm)	L(mm)
130SJT-M040D	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	168 (227)	225 (284)
130SJT-M050D	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	168 (227)	225 (284)
130SJT-M050E	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	168 (227)	225 (284)
130SJT-M060D	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	176 (235)	233 (292)
130SJT-M060E	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	176 (235)	233 (292)
130SJT-M075D	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	188 (247)	245 (304)
130SJT-M075E	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	188 (247)	245 (304)
130SJT-M100B	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	208 (267)	265 (324)
130SJT-M100D	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	208 (267)	265 (324)
130SJTB-M150B	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	248 (307)	305 (364)
130SJTE-M150D	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	264 (323)	321 (380)

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

130SJTG series motor overall installation dimension



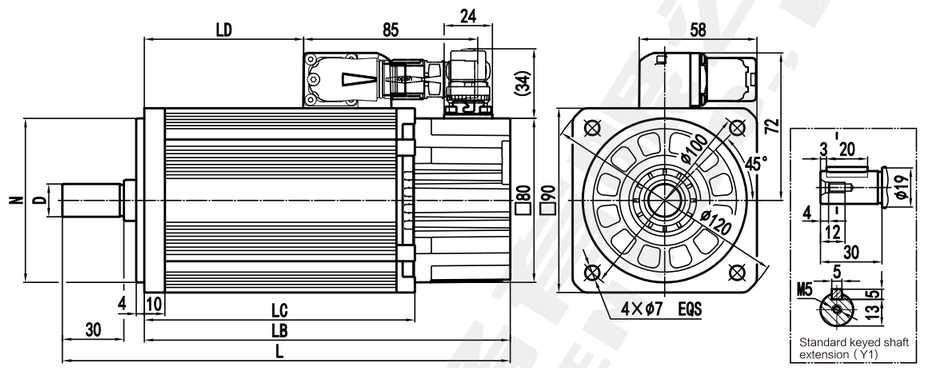
TYPE	D(mm)	N(mm)	LB(mm)	L(mm)
130SJTG-M040GH	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	172 (231)	229 (288)
130SJTG-M050GH	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	183 (242)	240 (299)
130SJTG-M060GH	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	194 (253)	251 (310)
130SJTG-M075GH	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	212 (271)	269 (328)
130SJTG-M100GH	$\phi 22^{0}_{-0.013}$	$\phi 110^{0}_{-0.035}$	238 (297)	295 (354)

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

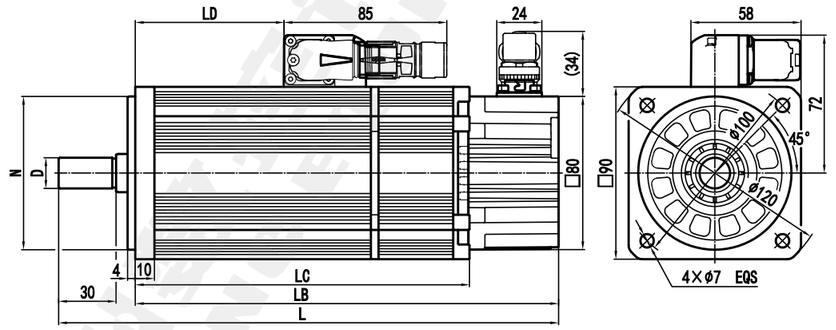
Motor Overall and Installation Dimension

90SJTF series motor overall installation dimension

Without the safe brakes



With the safe brakes



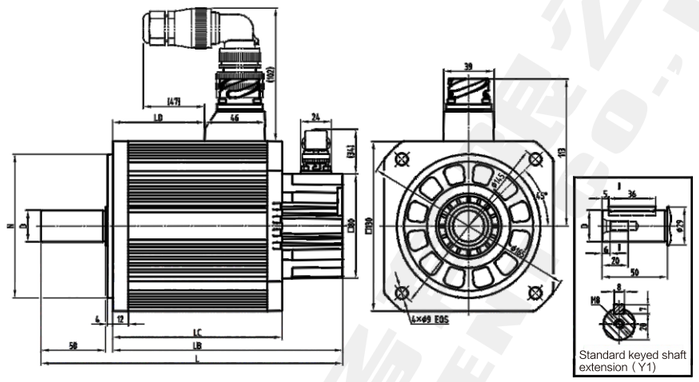
TYPE	D(mm)	N(mm)	LB(mm)	L(mm)	LC(mm)	LD(mm)
90SJTF—M020E	$\Phi 16^{0}_{-0.011}$	$\Phi 80^{0}_{-0.03}$	142.5 (185)	182.5 (225)	96 (138.5)	41.5
90SJTF—M020G	$\Phi 16^{0}_{-0.011}$	$\Phi 80^{0}_{-0.03}$	142.5 (185)	182.5 (225)	96 (138.5)	41.5
90SJTF—M040E	$\Phi 16^{0}_{-0.011}$	$\Phi 80^{0}_{-0.03}$	178.5 (221)	218.5 (261)	132 (174.5)	77.5
90SJTF—M040G	$\Phi 16^{0}_{-0.011}$	$\Phi 80^{0}_{-0.03}$	178.5 (221)	218.5 (261)	132 (174.5)	77.5

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

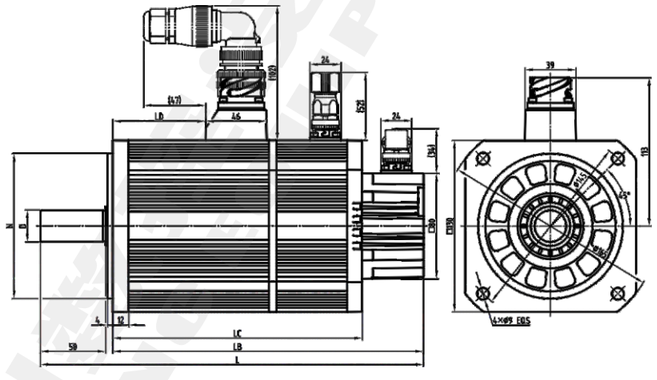
Motor Overall and Installation Dimension

130SJTF series motor overall installation dimension

Without the safe brakes



With the safe brakes



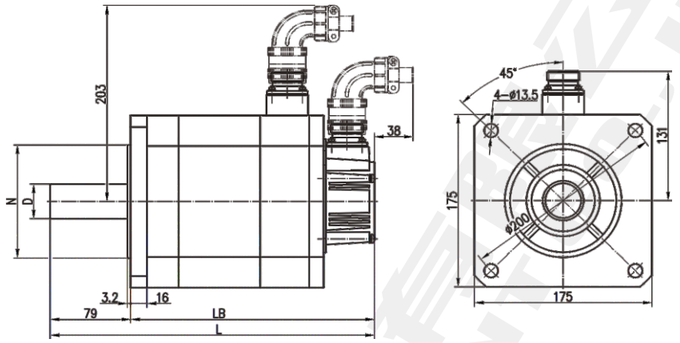
TYPE	D(mm)	N(mm)	LB(mm)	L(mm)	LC(mm)	LD(mm)
130SJTF-M048C	$\phi 24^{0}_{-0.009}$	$\phi 110^{0}_{-0.035}$	155(214)	210(269)	108(168)	49
130SJTF-M072C	$\phi 24^{0}_{-0.009}$	$\phi 110^{0}_{-0.035}$	177(236)	232(291)	130(190)	71
130SJTF-M096C	$\phi 24^{0}_{-0.009}$	$\phi 110^{0}_{-0.035}$	208(267)	263(322)	161(221)	102
130SJTF-M120C	$\phi 24^{0}_{-0.009}$	$\phi 110^{0}_{-0.035}$	228(287)	283(342)	181(241)	122
130SJTF-M150C	$\phi 24^{0}_{-0.009}$	$\phi 110^{0}_{-0.035}$	257(316.5)	312(371.5)	210.5(270)	143

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

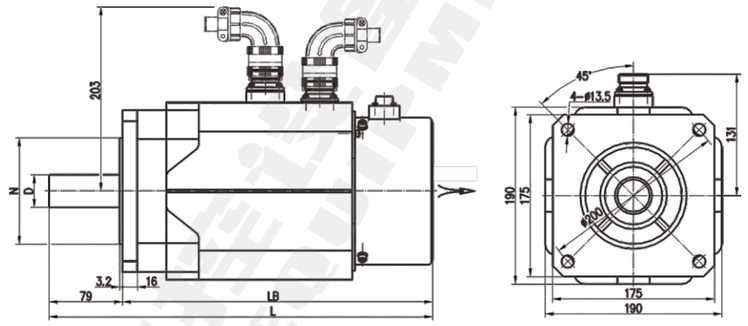
Motor Overall and Installation Dimension

175SJT series motor overall installation dimension

Without the cooling fan



With the cooling fan

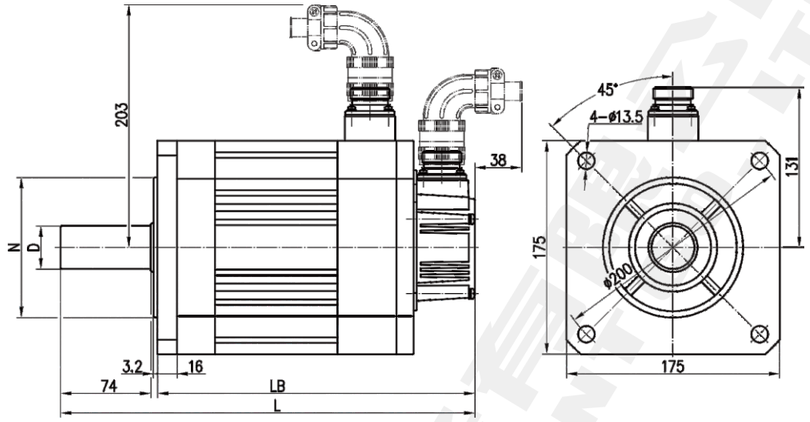


TYPE	D(mm)	N(mm)	LB(mm)	L(mm)
175SJT-M120E	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	224（291）	303（370）
175SJT-M150B	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	224（291）	303（370）
175SJT-M150D	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	224（291）	303（370）
175SJT-M180B	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	244（311）	323（390）
175SJT-M180D	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	244（311）	323（390）
175SJT-M220B	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	279（346）	358（425）
175SJT-M220D	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	279（346）	358（425）
175SJT-M300B	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	309（382）	388（461）
175SJT-M300D	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	309（382）	388（461）
175SJT-M380B	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	359（432）	438（511）
175SJT-M380BH	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	359（432）	438（511）
175SJT-M380DH	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	359（432）	438（511）
175SJT-M500BH	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	454（527）	533（606）
175SJT-M500DH	$\phi 35_{0}^{+0.01}$	$\phi 114.3^{0}_{-0.025}$	454（527）	533（606）

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

Motor Overall and Installation Dimension

175SJTG series motor overall installation dimension

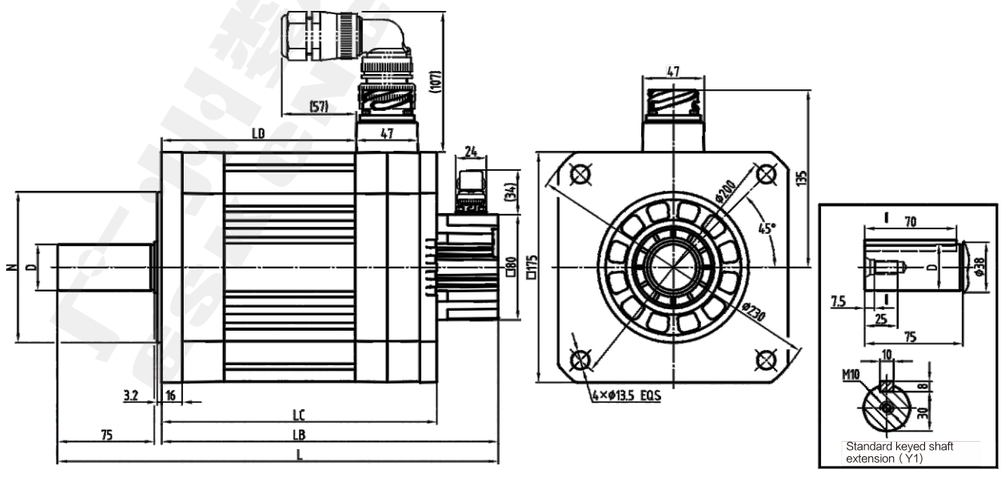


TYPE	D(mm)	N(mm)	LB(mm)	L(mm)
175SJTG-M120EH	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	224 (291)	303 (370)
175SJTG-M150EH	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	239 (306)	318 (385)
175SJTG-M180EH	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	259 (326)	338 (405)
175SJTG-M220EH	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	279 (346)	358 (425)
175SJTG-M300EH	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	319 (392)	398 (471)
175SJTG-M380EH	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	364 (437)	443 (516)

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

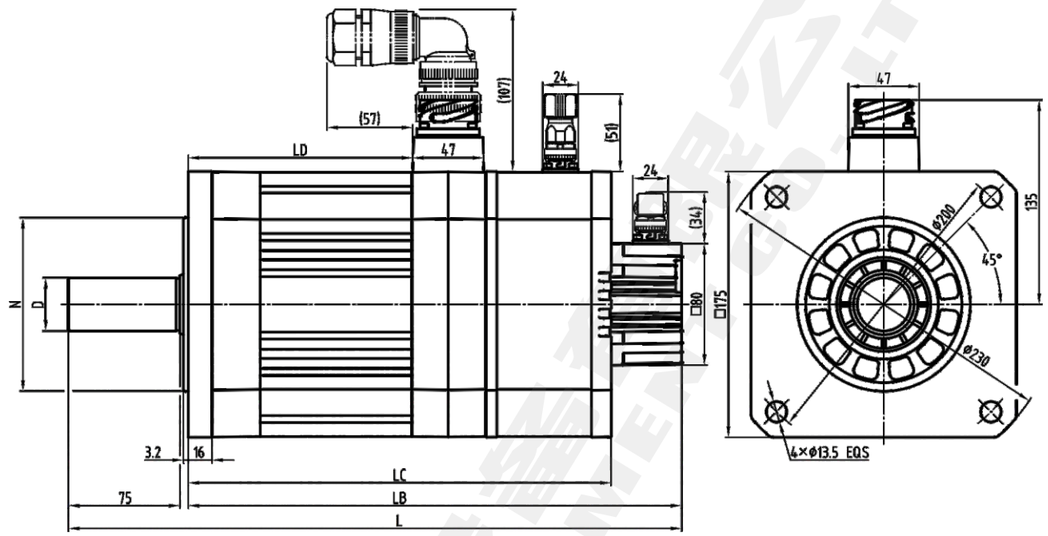
175SJTF series motor overall installation dimension

without the safe brakes



Motor Overall and Installation Dimension

with the safe brakes



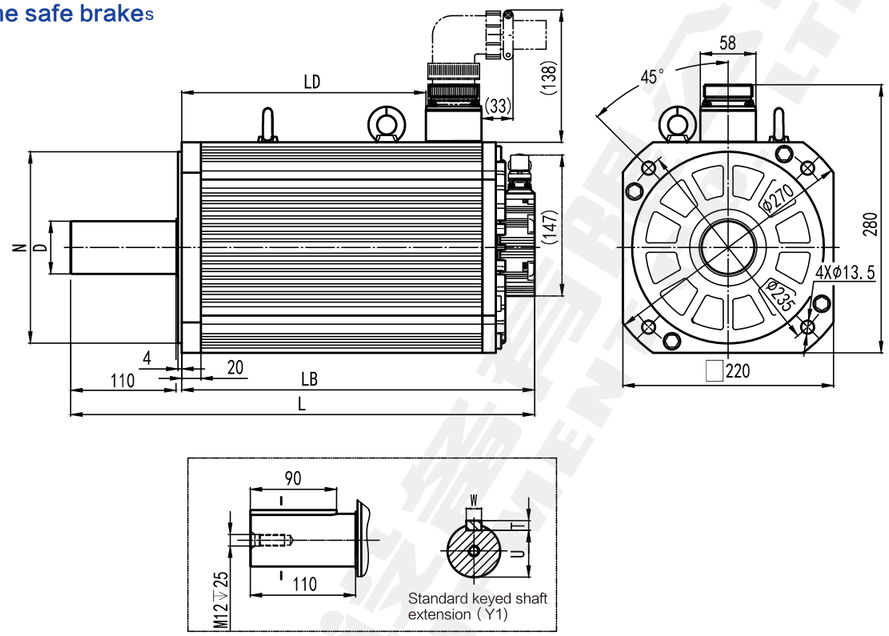
TYPE	D(mm)	N(mm)	LB(mm)	L(mm)	LC(mm)	LD(mm)
175SJTF-M150B	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	221(291)	300(370)	175(244)	113
175SJTF-M150D	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	221(291)	300(370)	175(244)	113
175SJTF-M180B	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	236(306)	315(385)	190(259)	128
175SJTF-M180D	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	236(306)	315(385)	190(259)	128
175SJTF-M220B	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	256(326)	335(405)	210(279)	148
175SJTF-M220D	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	256(326)	335(405)	210(279)	148
175SJTF-M300B	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	276(352)	355(431)	230(305)	168
175SJTF-M300D	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	276(352)	355(431)	230(305)	168
175SJTF-M380B	$\phi 35_{0}^{+0.01}$	$\phi 114.3_{-0.025}^{0}$	316(392)	395(471)	270(345)	208

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

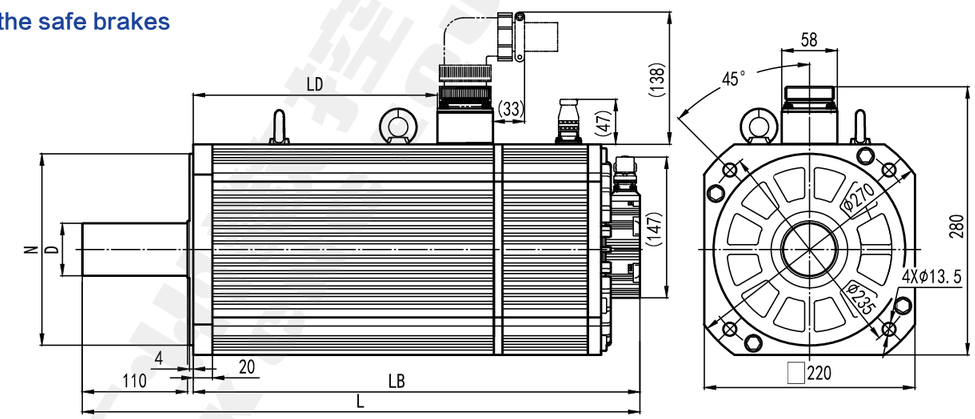
Motor Overall and Installation Dimension

220SJTE series motor overall installation dimension

Without the safe brakes



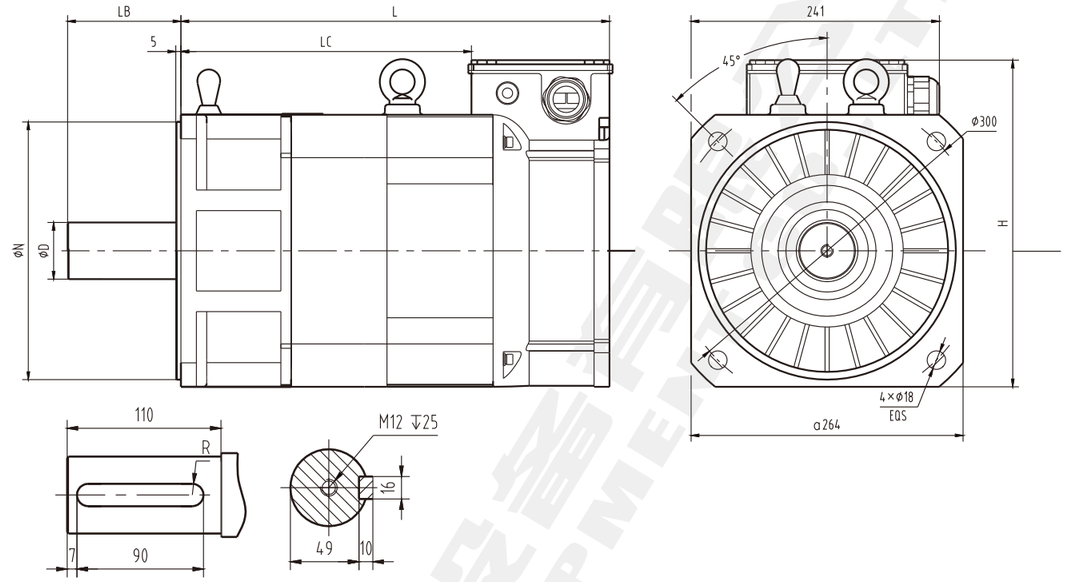
With the safe brakes



型　号	D(mm)	N(mm)	LB(mm)	LD(mm)	L(mm)	U(mm)	W(mm)	T(mm)
220SJTE-M600BH	$\phi 42^{0}_{-0.016}$	$\phi 200^{0}_{-0.046}$	315 (413)	201	431 (529)	$37^{0}_{-0.1}$	$12^{0}_{-0.043}$	$8^{0}_{-0.009}$
220SJTE-M900BH	$\phi 42^{0}_{-0.016}$	$\phi 200^{0}_{-0.046}$	369 (467)	255	485 (583)	$37^{0}_{-0.1}$	$12^{0}_{-0.043}$	$8^{0}_{-0.009}$
220SJTE-M1200BH	$\phi 55^{0}_{-0.016}$	$\phi 200^{0}_{-0.046}$	429 (527)	315	545 (643)	$49^{0}_{-0.1}$	$16^{0}_{-0.043}$	$10^{0}_{-0.009}$

Remark: The values of the bracketed LB and L are the length values of the motors of the corresponding specification, which are with the safe brakes.

265SJTE series motor overall installation dimension



TYPE	D(mm)	N(mm)	L(mm)	LB(mm)	LC(mm)	H(mm)
265SJTE-M700CH	$\phi 55^{0}_{-0.019}$	$\phi 250^{0}_{-0.046}$	391	110	257	317
265SJTE-M1000CH	$\phi 55^{0}_{-0.019}$	$\phi 250^{0}_{-0.046}$	416	110	282	317
265SJTE-M1400CH	$\phi 55^{0}_{-0.019}$	$\phi 250^{0}_{-0.046}$	451	110	317	317
265SJTE-M2000CH	$\phi 55^{0}_{-0.019}$	$\phi 250^{0}_{-0.046}$	501	110	367	317