Technical Data

MD-830 series servo drives

■ Single-Phase 220V Servo Driver

ECAT (N) Pulse (P)

Item	SIZE-A		SIZE-B
Power	0.05 kW、0.1 kW、0.2 kW	0.4 kW	0.75 kW
Drive Model MD-830P/N	S-020	S-040	S-075
Continuous output current (Arms)	1.6	2.8	5.5
Maximum output current (Arms)	5.8	10.1	16.9
Main circuit power supply	Single-phase 200-240 V AC, -10% to +10%, 50/60 Hz		
Control circuit power supply	Powered up by the bus, sharing one power supply and rectification part with the main circuit		
Braking capability	External braking resistor		Built-in braking resistor

■ Single-phase/Three-phase 220 V servo drive

ECAT (N) Pulse (P)

Item	SIZE-C	SIZE-D
Power	1.0 kW	1.5 kW
Drive Model MD-830P/N	S-100	S-150
Continuous output current (Arms)	7.6	11.6
Maximum output current (Arms)	23	32
Main circuit power supply	Single-phase/three-phase 200-240 V AC, -10% to +10%, 50/60 Hz	
Control circuit power supply	Single-phase 200-240 V AC, -10% to +10%, 50/60 Hz	
Braking capability	Built-in braking resistor	

■ Three-phase 380 V servo drive

ECAT (N) Pulse (P)

Item	SIZE-C		SIZE-D		SIZE-E		
Power	0.85 kW	1.5 kW	2.0 kW	3.0 kW	5.0 kW	6.0 kW	7.5 kW
Drive Model MD-830P/N	T-085	T-150	T-200	T-300	T-500	T-600	T-750
Continuous output current (Arms)	3.5	5.4	8.4	11.9	16.5	20.8	25.7
Maximum output current (Arms)	11	14	20	29.75	42	55	65
Main circuit power supply	Three-phase 380-440 V AC, -10% to +10%, 50/60 Hz						
Control circuit power supply	Single-phase 380-440 V AC, -10% to +10%, 50/60 Hz						
Braking capability	Built-in braking resistor						

Basic specifications

ECAT (N) Pulse (P)

Item	Specifications
Control mode	IGBT PWM control, sine wave current drive mode 220V, 380V: Single-phase or three-phase full-bridge rectifier
Encoder feedback	17/23-bit multi-turn absolute encoder, which can be used as a single-turn absolute encoder in absence of the battery
Operating temperature	0° C to +55° C (over 45° C: derate 10% for every additional 5° C)
Storage temperature	-40° C to +70° C
Altitude	Up to 2000 m. For altitude above 1000 m, derate 1% for every additional 100 m
IP rating	IP20 (except for the power terminal IP00)

Speed/torque control mode

Item	Specifications ECAT (N)
Speed control range	1:6000 (The lower limit is the threshold within which the servo drive keeps running with the rated torque load.)
Speed loop bandwidth	3.2 kHz
Torque control accuracy	±1%
Ramp time	0 s to 100 s (This parameter can be set for acceleration and deceleration separately.)
Speed reference input	EtherCAT communication
Torque reference input	

Item	Specifications Pulse (P)
Speed control range	1:6000 (The lower limit of the speed control range is the condition that it does not stop under rated torque load)
Frequency Characteristics	3.2 kHz
Torque control accuracy	±1%
Soft start time setting	0 ~ 3600 s (This parameter can be set for acceleration and deceleration separately.)

Position control mode

Item	Specifications ECAT (N)
Positioning time	1 ~ 10 ms
Position reference	EtherCAT Communication
Digital input (DI) signal	P-OT（positive limit switch） N-OT（negative limit switch） HomeSwitch（Home Switch） TouchProbe1（Probe 1） TouchProbe2（Probe 2）
Digital output (DO) signal	3 DOs load capacity： 50 mA Voltage range： 5 V ~ 30 V
	S-RDY（servo ready） ALM（fault output） BK（brake output）

Item	Specifications Pulse (P)
Feedforward compensation	0% to 100.0% (A resolution of 0.1% FS)
Input pulse shape	Including "direction+pulse", "Phase A + B quadrature pulse" and "CW/CCW pulse reference form"
Input pulse frequency	Differential input: Up to 4 Mpps at high speed, and the pulse width cannot be less than 0.125 μs Open collector: Up to 200 kpps, and the pulse width cannot be less than 2.5 μs
Multi-position reference	Position 0 to position 16 selectable through DI signal combination
Output form	Phase A, phase B: differential output; Phase Z: differential output or open collector output

Built-in functions

Item	830N	830P
Overtravel (OT) prevention	The servo drive stops immediately when P-OT or N-OT becomes active	
Protection functions	Protections against overcurrent, overvoltage, undervoltage, overload, main circuit detection error, heatsink overheat, overspeed, encoder error, CPU error, and parameter error	
LED display	Main power supply CHARGE indicator, 5-digit LED display	
Vibration suppression	Five notches (including two adaptive notches), 50 Hz to 8000 Hz	
Connection protocol	USB	
Communication protocol	EtherCAT	Modbus、RS485
Multi-station communication	EtherCAT: Up to 255 slave stations	Communication: When RS485 is used, up to 128 nodes can be connected
Axis address setting	0 to 255 set through the software	Based on the user parameter setting
Function	Status display, user parameter setting, monitored value display, alarm tracing display, jogging, and speed/torque reference signal observation	
Other	Gain tuning, alarm record, I/O setting, and jogging	

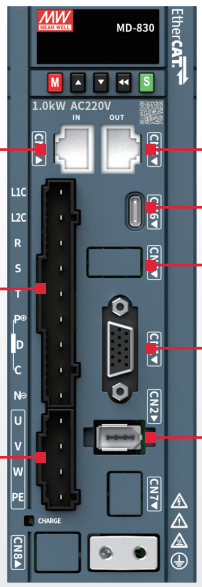
Communication specifications

Item	Specifications ECAT (N)
Communication protocol	EtherCAT Protocol
Supported services	CoE (PDO, SDO)
Synchronization mode	Distributed clock (DC)
Physical layer	100 BASE-TX
Baud rate	100 Mbit/s (100Base-TX)
Duplex mode	Full duplex
Topology	Ring and linear
Transmission medium	Shielded Ethernet cable of Cat5e or above
Transmission distance	Less than 100 m between two nodes (with proper environment and cables)
Number of slaves	Up to 65535 supported by protocol, not exceeding 100 in actual use
EtherCAT Frame Length	44 bytes to 1,498 bytes
Process data	Up to 1486 bytes per Ethernet frame
Synchronization jitter of two slaves	< 1 μs
Update time	About 30 μs for 1000 on-off inputs and outputs About 100 μs in case of 100 servo axes The value varies with the interface type.
Communication bit error ratio	10^{-10} Ethernet standard
Number of FMMU units	8
Number of storage synchronization management units	8
Process data RAM	8 kB
Distributed clock	64 bits
EEPROM Capacity	32 kbit The initialization data is written by the EtherCAT master.

MD-830 Port Description

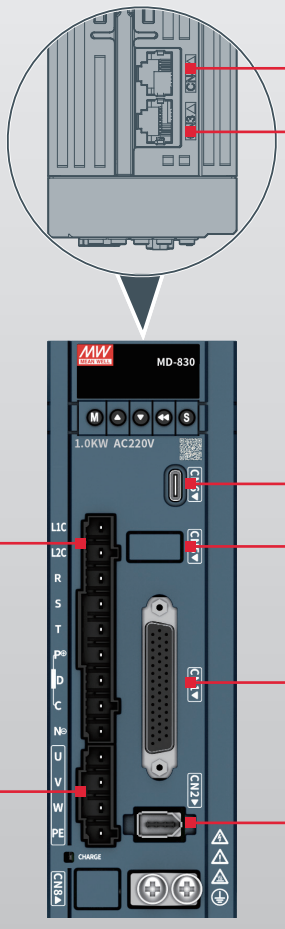
Note: The diagram shows the port distribution of the MD-830N/MD-830P using the **SIZE C** model as an example. The layout of other models may differ; please refer to the actual product for the most accurate information.

ECAT (N)



CN3	Communication network port IN
L1C/L2C	Control power input
R/S/T	Main power input
P⊕ /D/C	External braking resistor
N⊖	Bus negative electrode
U/V/W	Motor power output
PE	Motor grounding terminal
CN4	Communication network port OUT
CN6	Commissioning and communication port
CN5	STO functional port (Optional)
CN1	User control port
CN2	Encoder port

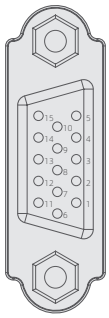
Pulse (P)

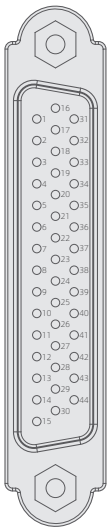


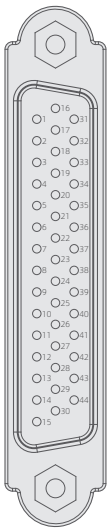
L1C/L2C	Control power input
R/S/T	Main power input
P⊕ /D/C	External braking resistor
N⊖	Bus negative electrode
U/V/W	Motor power output
PE	Motor grounding terminal
CN4	Communication port
CN3	Communication port
CN6	Commissioning and communication port
CN5	STO functional port (Optional)
CN1	User control port
CN2	Encoder port

MD-830 Terminal Definition

■ CN1 User control port

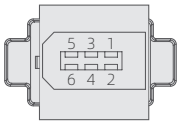
Terminal	Pin		Definition ECAT (N)
	10	DI1	Forward overtravel switch
	9	DI2	Reverse overtravel switch
	8	DI3	Home switch
	7	DI4	Touch probe 2
	11	DI5	Touch probe 1
	15	+24V	Internal 24V power supply, voltage range +20~28V, maximum output current 150mA (Note: A self-recovering fuse is shared with the CN5 STO function terminal, with a total current limit of 150mA)
	14	COM -	
	13	COM +	DI input terminal common terminal
	1	DO1 +	Servo ready
	6	DO1 -	
	3	DO2 +	Fault
	2	DO2 -	
	5	DO3 +	Brake
	4	DO3 -	

Terminal	Pin		Definition 脉冲 (P)
	7	DO1+	Servo ready
	6	DO1-	
	5	DO2+	Positioning completed
	4	DO2-	
	3	DO3+	Brake output
	2	DO3-	
	1	DO4+	Fault output
	26	DO4-	
	28	DO5+	Origin reset completed
	27	DO5-	
	9	DI1	Forward overtravel switch
	10	DI2	Reverse overtravel switch
	34	DI3	Position command disabled
	8	DI4	Alarm reset signal (edge effective function)
	33	DI5	Servo ON
	32	DI6	-
	12	DI7	-
	30	DI8	Home switch

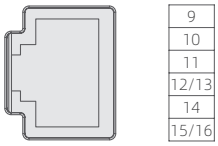
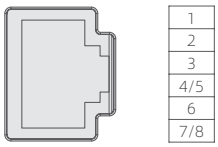
Terminal	Pin		Definition 脉冲 (P)
 (Continued from previous page)	17	24V	Internal 24V power supply, voltage range +20~28V, maximum output current 150mA
	14	COM-	
	11	COM+	DI input terminal common terminal
	41	PULSE+	low-speed pulse command mode: ● Differential drive input ● Collector open circuit Input Pulse Shape: ● Direction + Pulse ● A、B phase quadrature pulse ● CW / CCW pulses
	43	PULSE-	
	37	SIGN+	
	39	SIGN-	
	38	HPULS+	High-speed input pulse instruction
	36	HPULS-	
	42	HSIGN+	High-speed position command symbol
	40	HSIGN-	
	35	PULLH	External power input interface for command pulses
	21	PAO+	A-phase frequency divided output/fully closed-loop input
	22	PAO-	
	25	PBO+	B-phase frequency divided output/fully closed-loop input
	23	PBO-	
	13	PZO+	Z-phase frequency divided output/fully closed-loop input
	24	PZO-	
	29	GND	Signal ground
	44	OCZ	Encoder Z-phase collector open-circuit output
	15	5V	5 V power supply
	16	GND	Power supply ground
	20	AI1	Analog voltage signal input
	18	AI2	Analog current signal input
	31	AO1	Analog voltage output
	19	GND	Analog signal ground

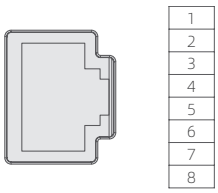
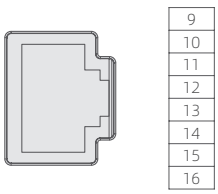
■ CN2 Encoder port

ECAT (N) Pulse (P)

Terminal	Pin		Definition
	1	+5 V	5 V power supply
	2	0 V	Power supply 0V
	3	Reserved	-
	4	Reserved	-
	5	PS+	Encoder signal+
	6	PS-	Encoder signal-
	Housing	PE	Shield

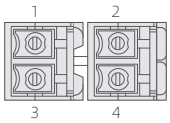
CN3/CN4 communication port

Terminal	Pin		Definition ECAT (N)
 CN3	9	TD +	Data Sending+
	10	TD -	Data Sending-
	11	RD +	Data reception+
	12/13	-	-
	14	RD -	Data reception-
	15/16	-	-
 CN4	1	TD +	Data Sending+
	2	TD -	Data Sending-
	3	RD +	Data reception+
	4/5	-	-
	6	RD -	Data reception-
	7/8	-	-

Terminal	Pin		Definition Pulse (P)
 CN3	4	RS485+	Data Sending+
	5	RS485-	Data Sending-
	6	-	-
	7	-	-
	8	GND	Data reception-
	Housing	PE	Shielding mesh layer
 CN4	12	RS485+	Data Sending+
	13	RS485-	Data Sending-
	14	-	-
	15	-	-
	16	GND	Ground
	Housing	PE	Shielding mesh layer

CN5 STO port

ECAT (N) Pulse (P)

Terminal	Pin		Definition
	1	COM	STO reference ground
	2	24V	24V power supply
	3	STO1	Control input for STO1
	4	STO2	Control input for STO2

CN6 Debugging Communication port

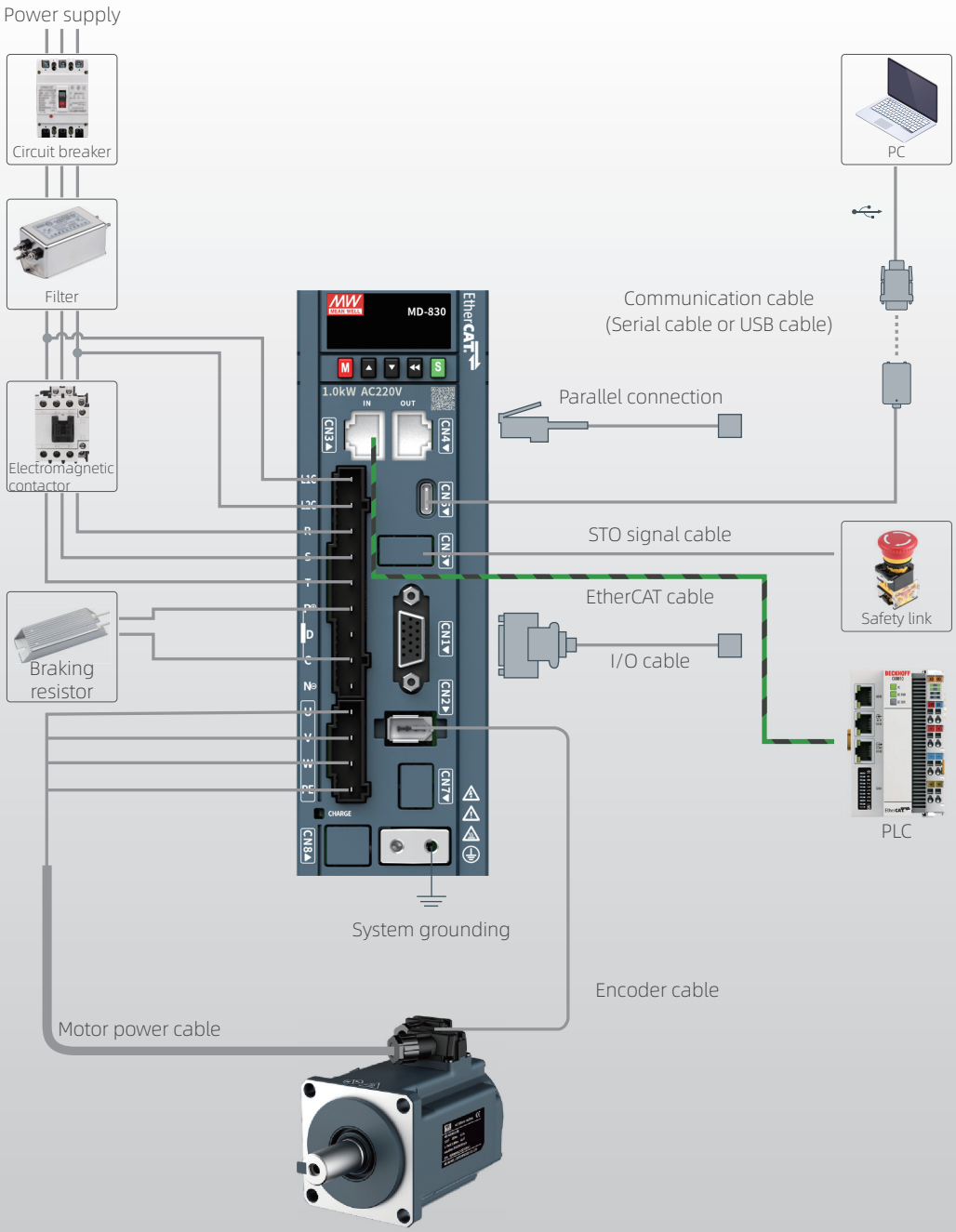
ECAT (N) Pulse (P)

Terminal	Pin	Definition
	Type-C	Connect the drive to the PC using a USB cable or a serial cable (two-segment connection: Type-C to serial, then serial to USB).

MD-830 Device Connection

Note: The diagram uses the **SIZE C** model as an example to introduce the connection of MD-830N peripherals. Other models may have slight differences due to different terminal layouts.

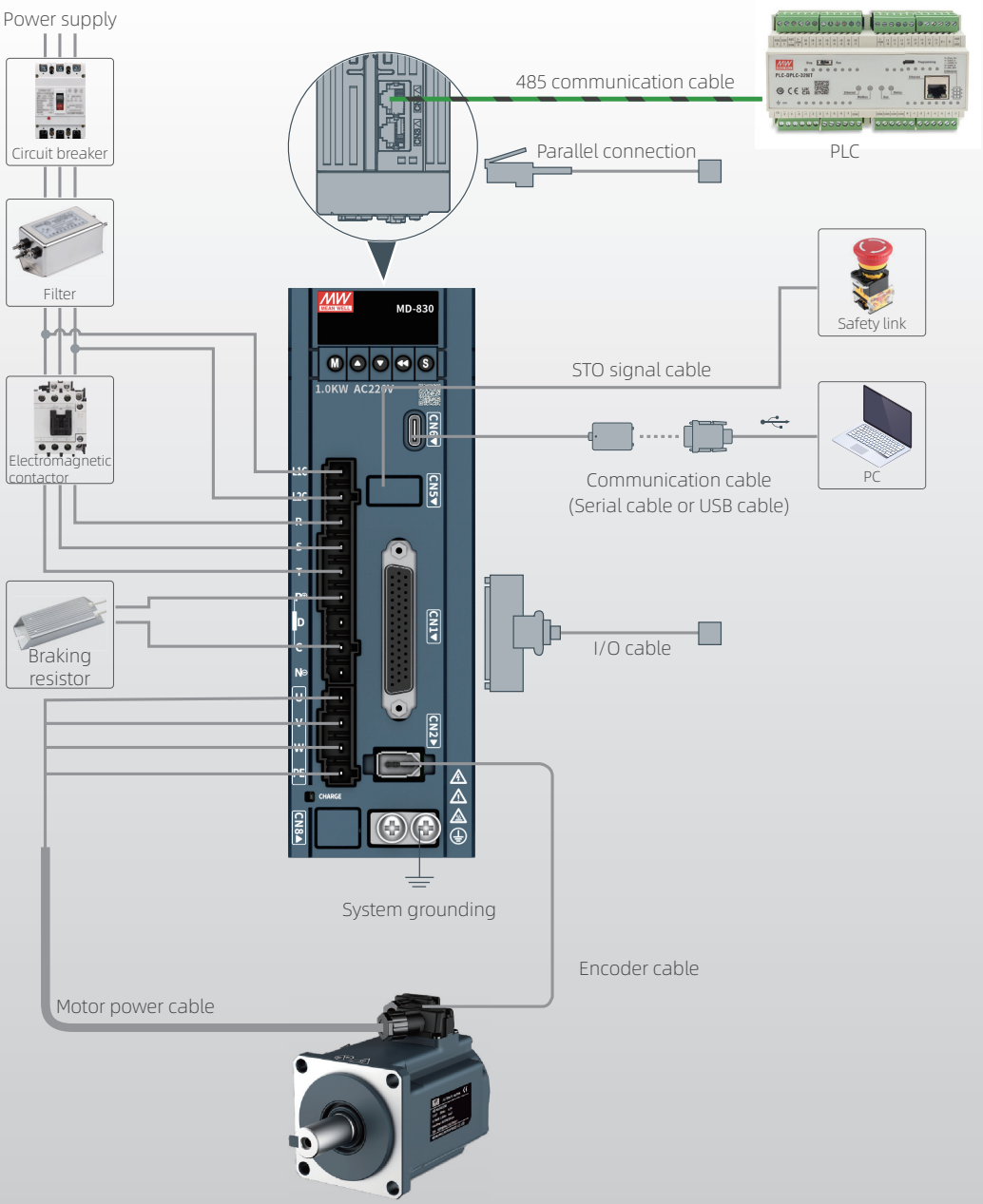
ECAT (N)



Note: When connecting the braking resistor externally, remove the short connector between P ⊕ and D

Note: The diagram uses the **SIZE C** model as an example to introduce the connection of MD-830P peripherals. Other models may have slight differences due to different terminal layouts.

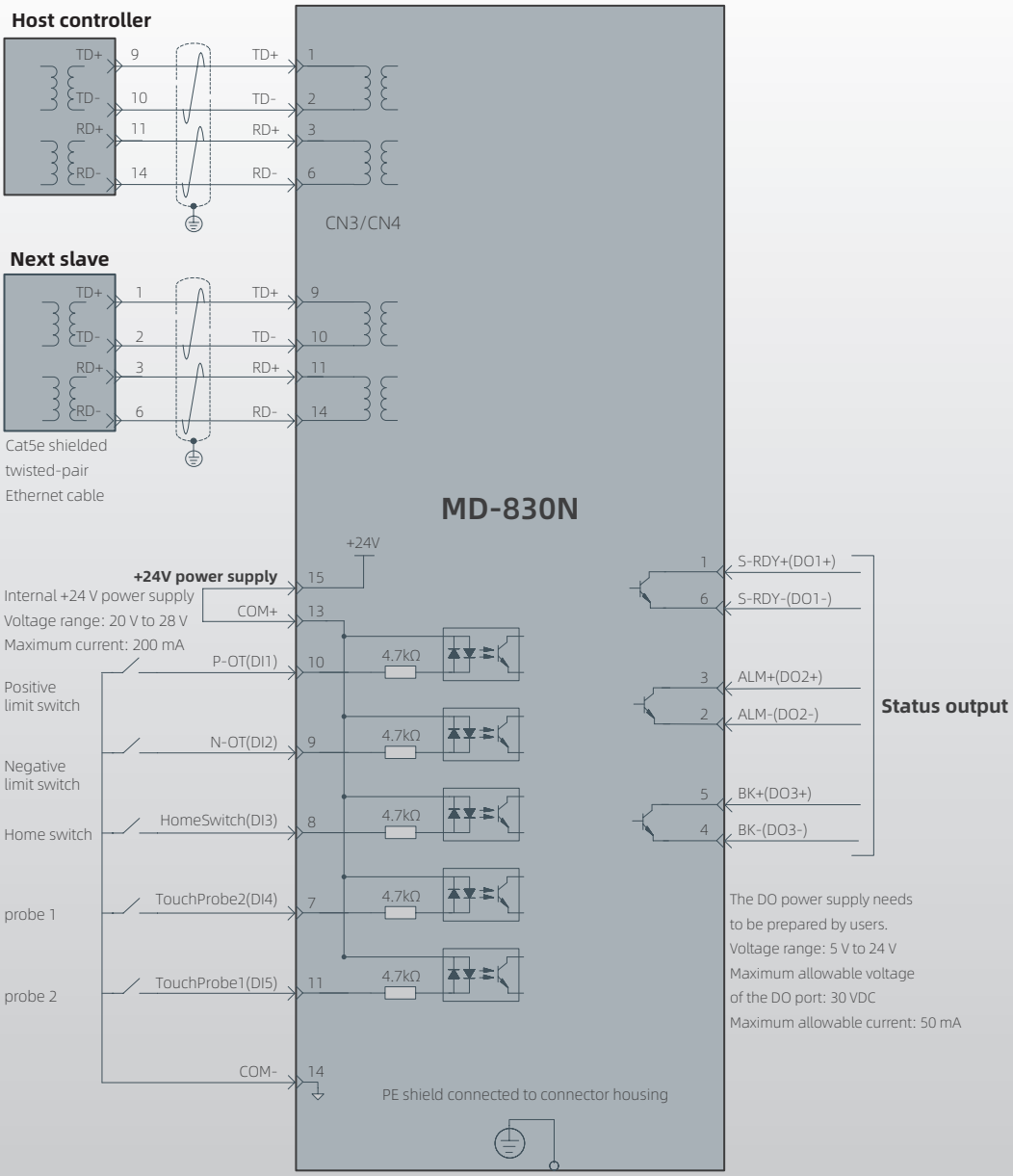
Pulse (P)



Note: When connecting the braking resistor externally, remove the short connector between P ⊕ and D.

MD-830 Electrical Legend

ECAT (N)

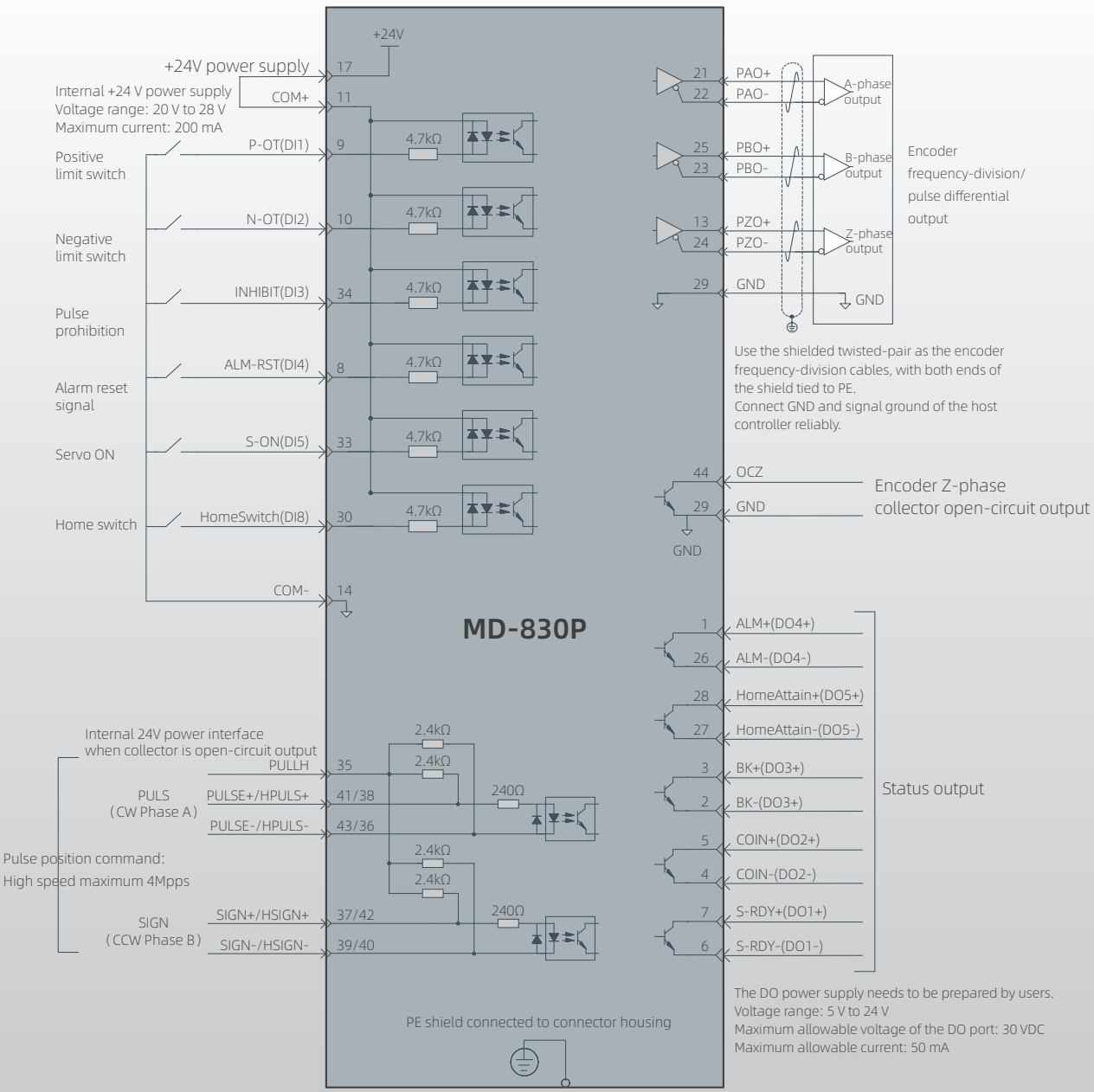


Note: The illustration shows the **NPN** input mode.。

MD-830 Electrical Legend

Pulse (P)

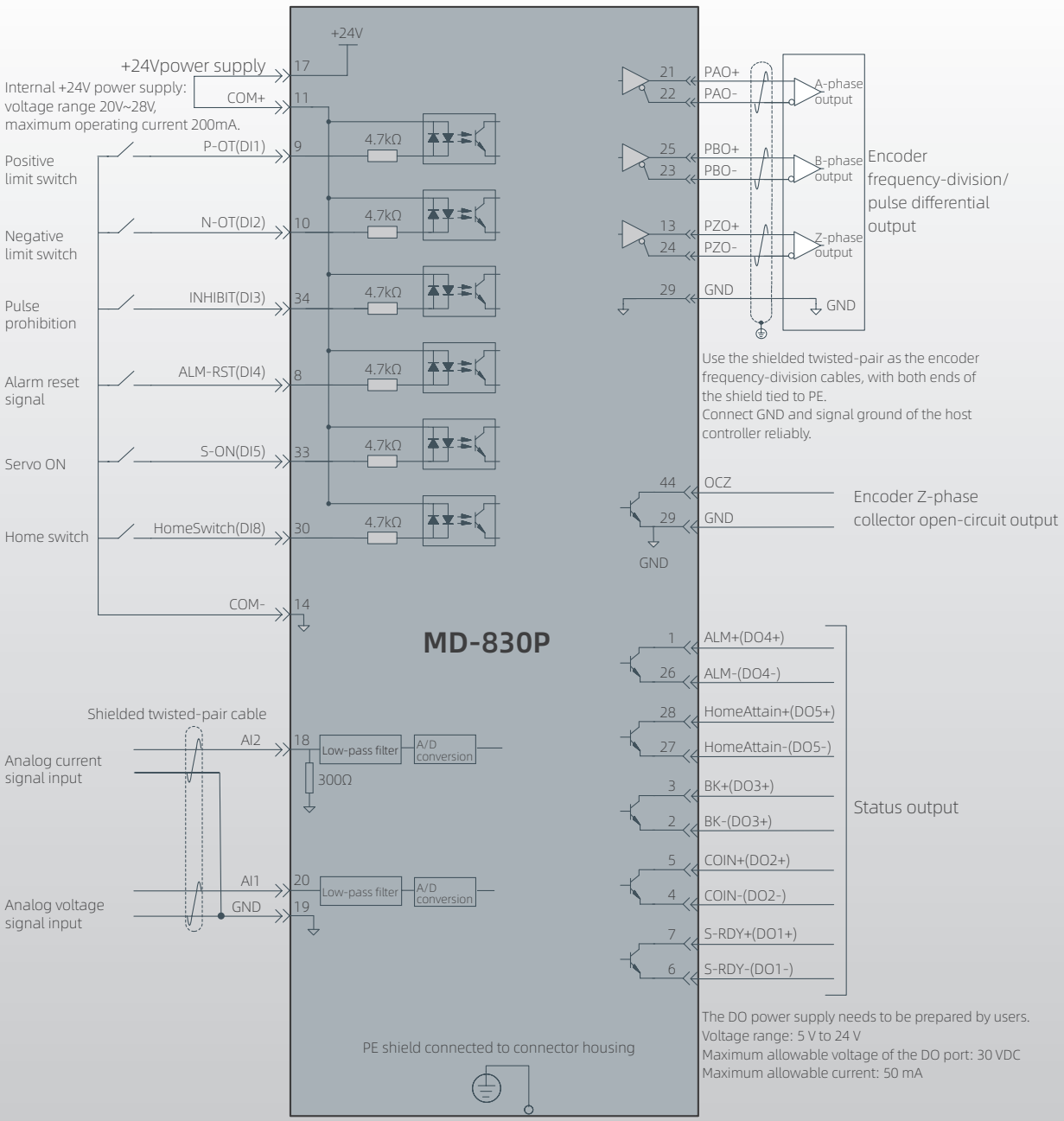
■ Position mode



Note: The illustration shows **NPN** input mode.

Pulse (P)

Torque mode

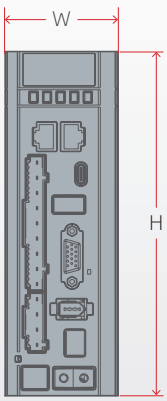


Note: The illustration shows **NPN** input mode.

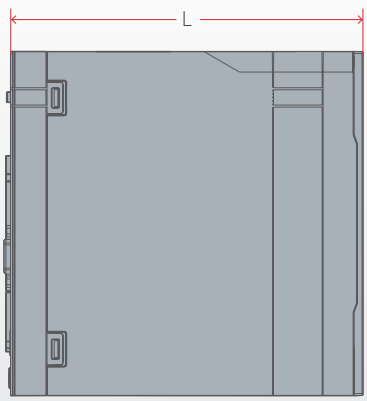
MD-830 Product Dimensions

Note: The diagram shows the shape of the MD-830 series drives using the **SIZE C** model as an example. Please refer to the product dimensions list for detailed SIZE information.

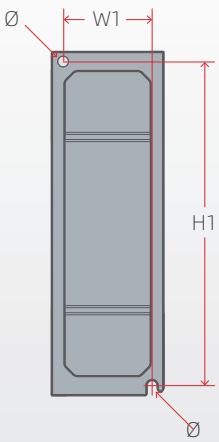
Front view



Side view



Rear view



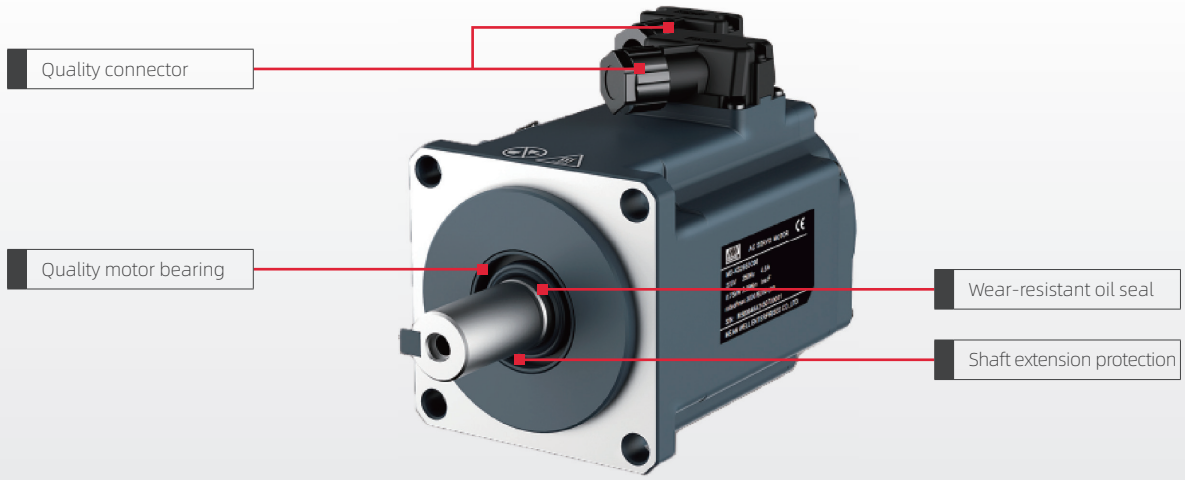
■ MD-830 Product Dimensions List

ECAT (N) Pulse (P)

Model	Drive model		W (mm)	H (mm)	L (mm)	W1 (mm)	H1 (mm)	Ø (mm)
	MD-830N	MD-830P						
SIZE A	S-020 S-040		40.0	170.0	150.0	28.0	161.0	5.0
SIZE B	S-075		50.0	170.0	174.0	37.0	161.0	5.0
SIZE C	S-100 T-085 T-150		55.5	170.0	174.0	44.0	160.0	5.0
SIZE D	S-150 T-200 T-300		81.0	170.0	182.0	71.0	160.0	5.0
SIZE E	T-500 T-600 T-750		90.0	250.0	230.0	78.0	240.5	5.0

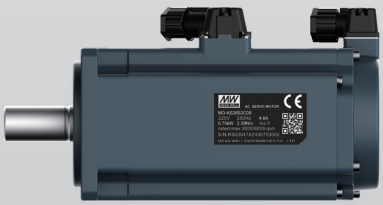
MD-K series servo motors

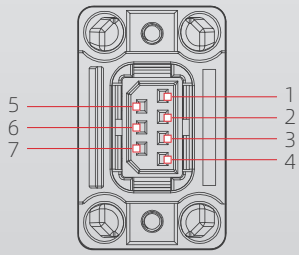
High-precision servo motors, equipped with flexible encoder options and combined with MEAN WELL's high-performance control algorithm, achieve stable and precise motor control.

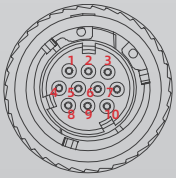


■ encoder cable terminal

connector for encoder

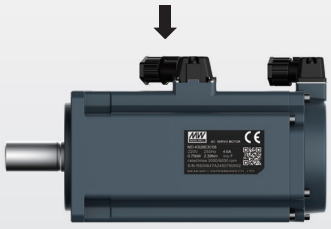


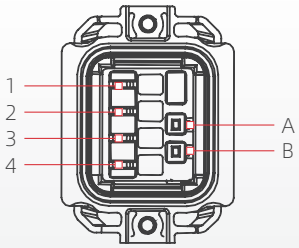
Schematic diagram of 7-pin terminals (cable side)	Pin No.	Usage
	1	DATA+
	2	DATA-
	3	BAT+
	4	BAT-
	5	+5V
	6	0V
	7	Enclosure

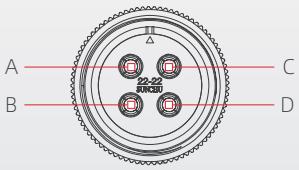
Schematic diagram of 10-pin terminals (cable side)	Pin No.	Usage	Pin No.	Usage
	1	DATA+	9	0V
	2	DATA-	10	Enclosure
	4	+5V		
	5	BAT-		
	6	BAT+		

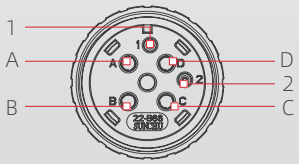
Power cable terminal

Power input connector



Schematic diagram of 6-pin terminals (cable side)	Pin No.	Usage
	1	Phase V
	2	Phase U
	3	Phase W
	4	Grounding cable
	A	Brake (polarity insensitive)
	B	Brake (polarity insensitive)

Schematic diagram of 4-pin terminals (cable side)	Pin No.	Usage
	A	Phase U
	B	Phase V
	C	Phase W
	D	Grounding cable

Schematic diagram of 6-pin terminals (cable side)	Pin No.	Usage
	A	Phase U
	B	Phase V
	C	Phase W
	D	Grounding cable
	1	Brake (polarity insensitive)
	2	Brake (polarity insensitive)

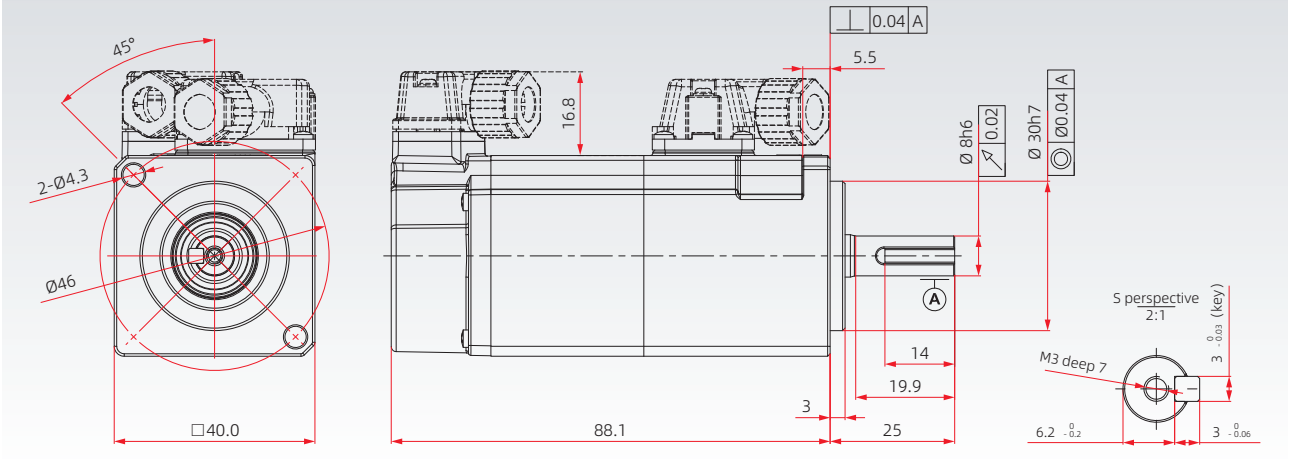
MD-K motor specifications

■ 50W（40 frame）

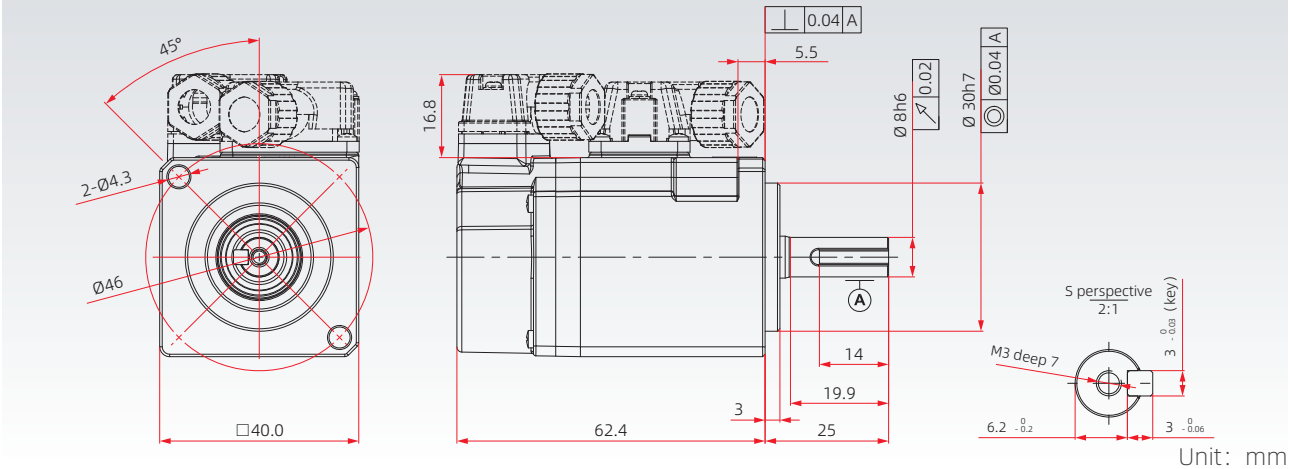
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26C3CA5/S46C3CA5（With brake）	S26N3CA5/S46N3CA5（without brake）
Rated Power (W)	50	
Rated current (A)	1.03	
Maximum current (A)	3.74	
Rated torque (N·m)	0.16	
Maximum torque (N·m)	0.56	
Rotor inertia（10^{-4}·kg·m²）	0.021	0.018
Rated speed（rpm）	3000	
Maximum speed （rpm）	6000	
Rated voltage（V）	220	

S26C3CA5/S46C3CA5（With brake）



S26N3CA5/S46N3CA5（without brake）



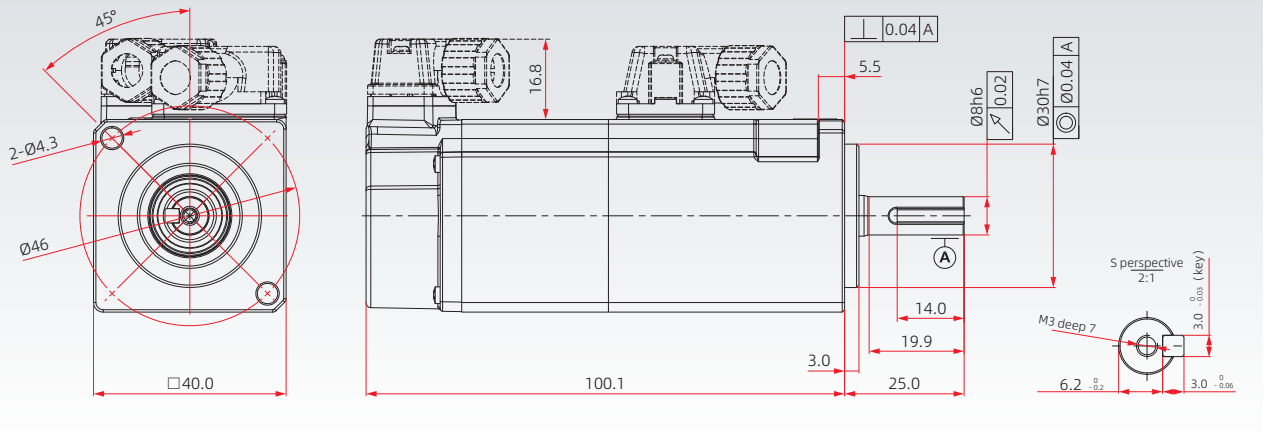
Unit：mm

■ 100W（40 frame）

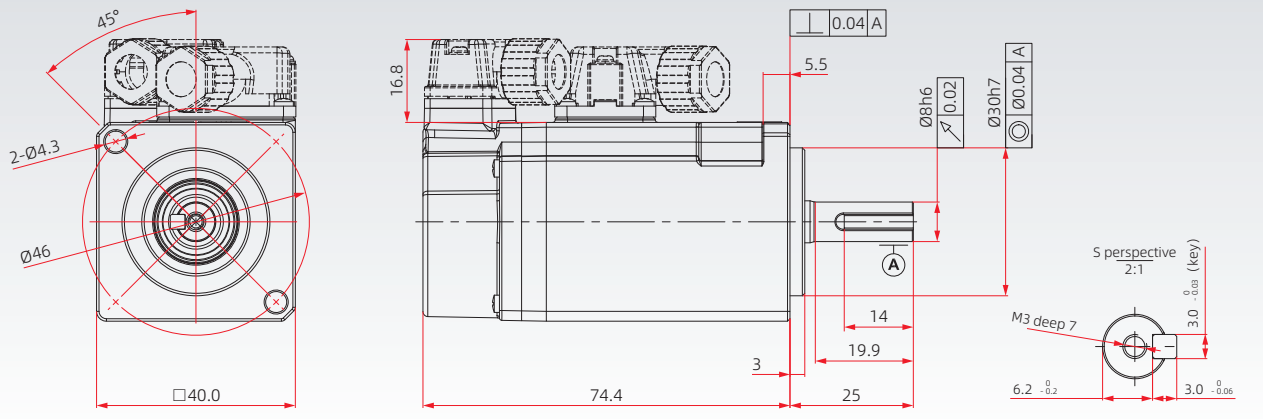
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26C3C01/S46C3C01（With brake）	S26N3C01/S46N3C01（without brake）
Rated Power (W)	100	
Rated current (A)	0.98	
Maximum current (A)	3.9	
Rated torque (N·m)	0.32	
Maximum torque (N·m)	1.12	
Rotor inertia（10^{-4}·kg·m²）	0.034	0.031
Rated speed（rpm）	3000	
Maximum speed（rpm）	6000	
Rated voltage（V）	220	

S26C3C01/S46C3C01（With brake）



S26N3C01/S46N3C01（without brake）



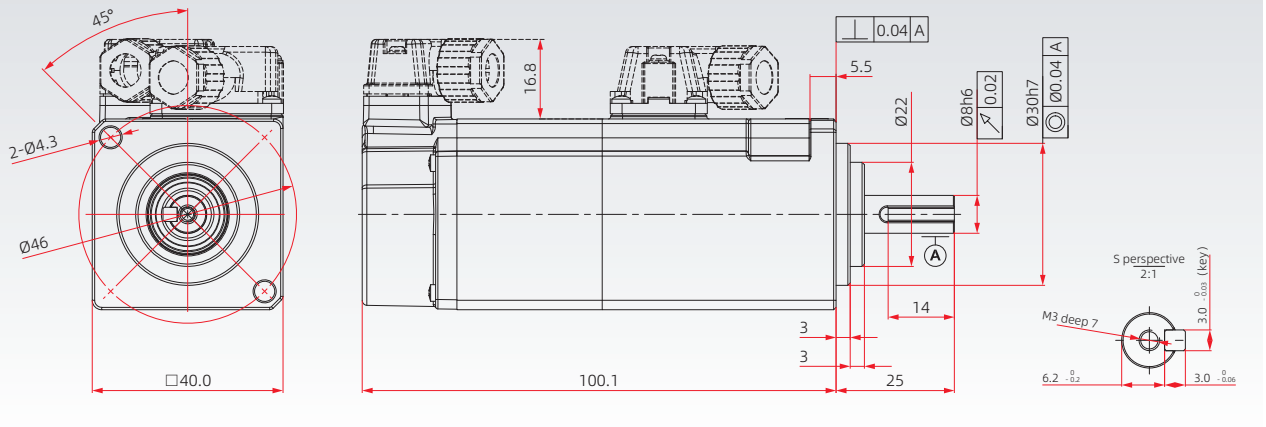
Unit：mm

■ 100W（40 frame）

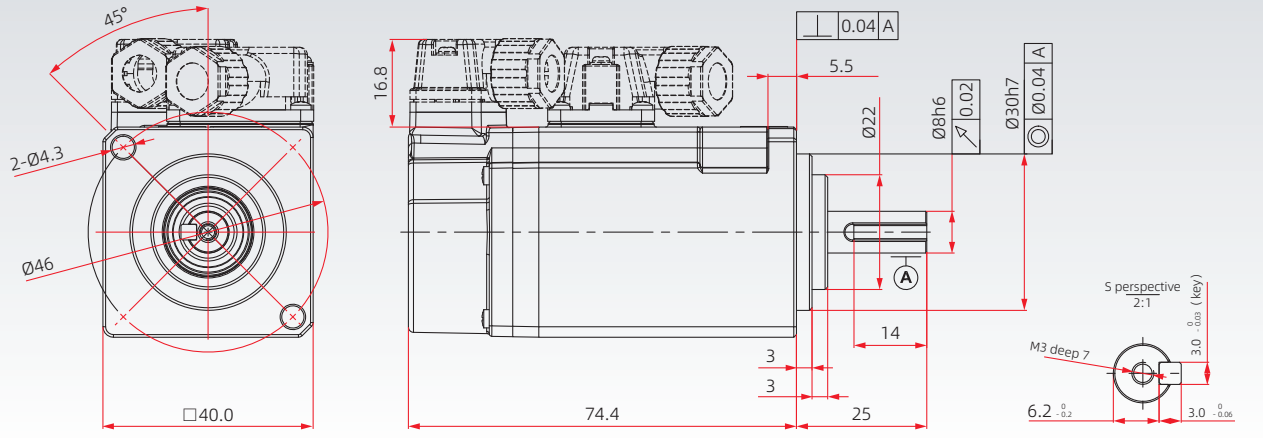
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C01/S46E3C01（With brake）	S26S3C01/S46S3C01（without brake）
Rated Power (W)	100	
Rated current (A)	0.98	
Maximum current (A)	3.9	
Rated torque (N·m)	0.32	
Maximum torque (N·m)	1.12	
Rotor inertia（10^{-4}·kg·m²）	0.034	0.031
Rated speed (rpm)	3000	
Maximum speed (rpm)	6000	
Rated voltage (V)	220	

S26E3C01/S46E3C01（With brake）



S26S3C01/S46S3C01（without brake）



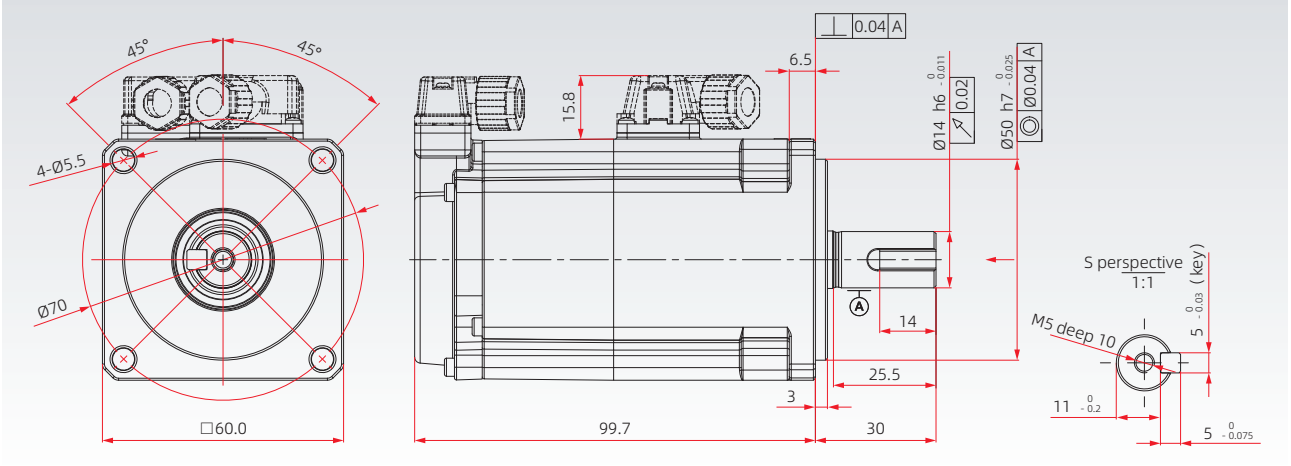
Unit：mm

■ 200W（60 frame）

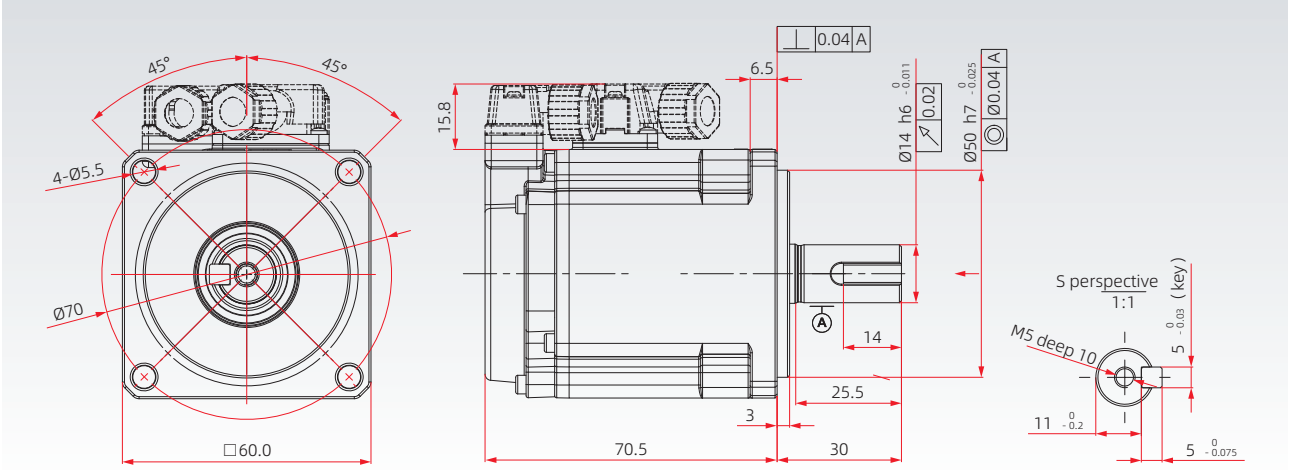
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C02/S46E3C02（With brake）	S26S3C02/S46S3C02（without brake）
Rated Power (W)	200	
Rated current (A)	1.3	
Maximum current (A)	4.4	
Rated torque (N·m)	0.64	
Maximum torque (N·m)	2.23	
Rotor inertia（10^{-4}·kg·m²）	0.35	0.34
Rated speed（rpm）	3000	
Maximum speed（rpm）	6000	
Rated voltage（V）	220	

S26E3C02/S46E3C02（With brake）



S26S3C02/S46S3C02（without brake）



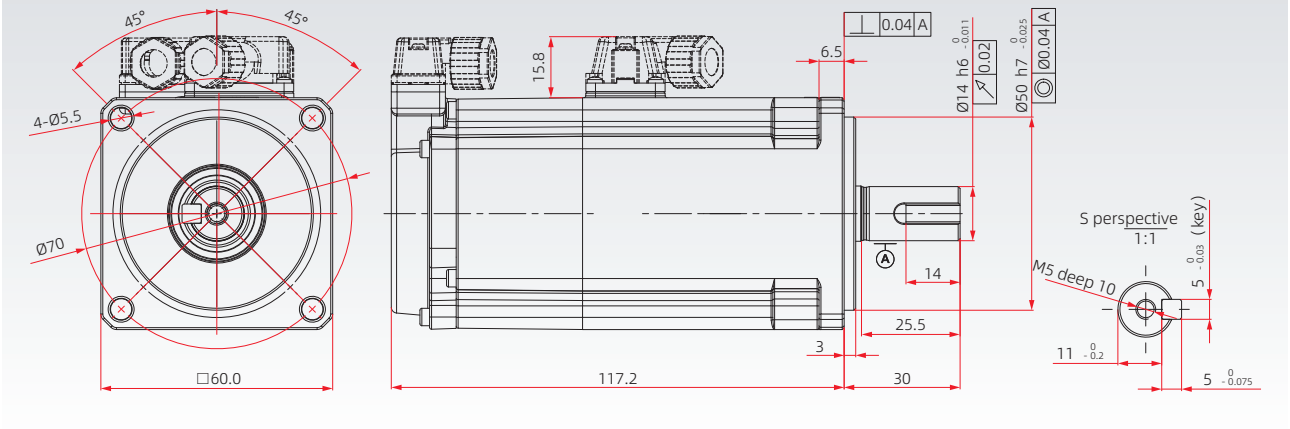
Unit：mm

■ 400W（60 frame）

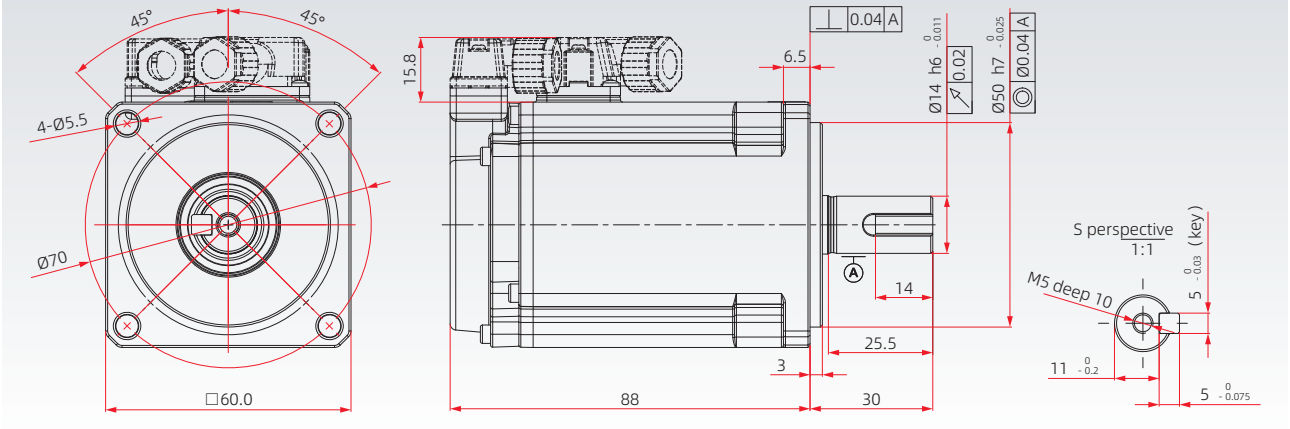
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C04/S46E3C04（With brake）	S26S3C04/S46S3C04（without brake）
Rated Power (W)	400	
Rated current (A)	2.6	
Maximum current (A)	8.6	
Rated torque (N·m)	1.27	
Maximum torque (N·m)	4.45	
Rotor inertia（10^{-4}·kg·m²）	0.60	0.59
Rated speed (rpm)	3000	
Maximum speed (rpm)	6000	
Rated voltage (V)	220	

S26E3C04/S46E3C04（With brake）



S26S3C04/S46S3C04（without brake）



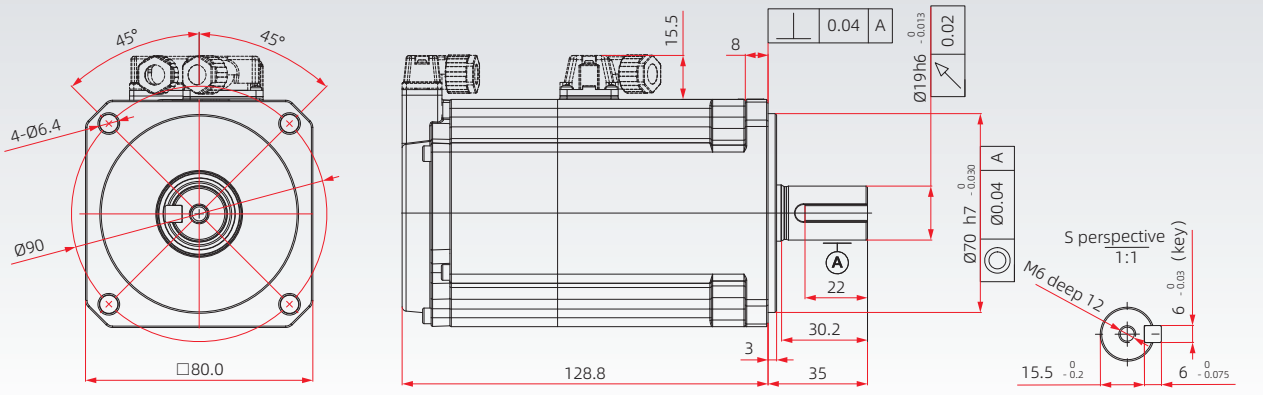
Unit：mm

■ 750W（80 frame）

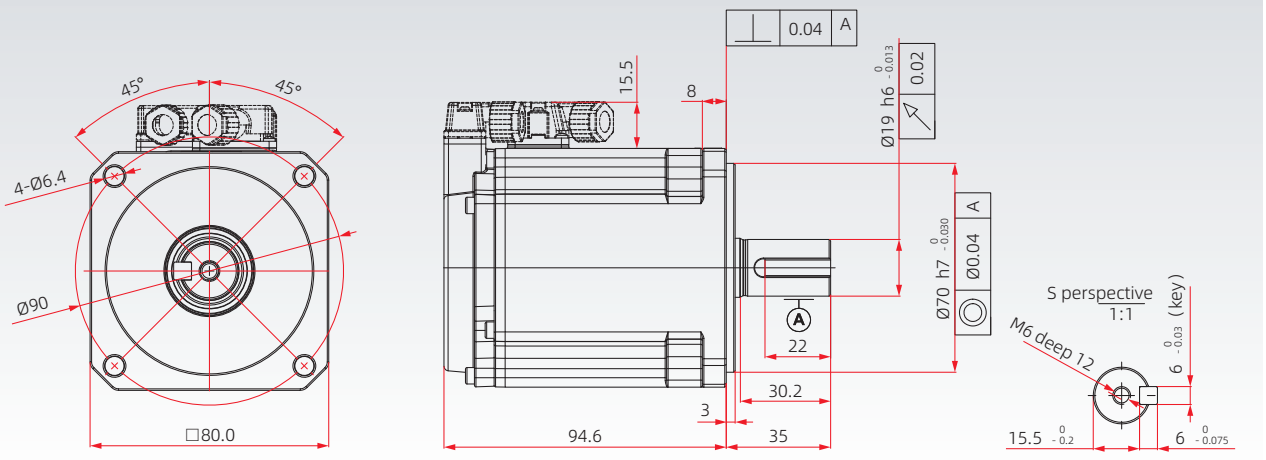
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C08/S46E3C08（With brake）	S26S3C08/S46S3C08（without brake）
Rated Power (W)	750	
Rated current (A)	4.60	
Maximum current (A)	16.30	
Rated torque (N·m)	2.39	
Maximum torque (N·m)	8.36	
Rotor inertia（10^{-4}·kg·m²）	1.77	1.72
Rated speed (rpm)	3000	
Maximum speed（rpm）	6000	
Rated voltage (V)	220	

S26E3C08/S46E3C08（With brake）



S26S3C08/S46S3C08（without brake）



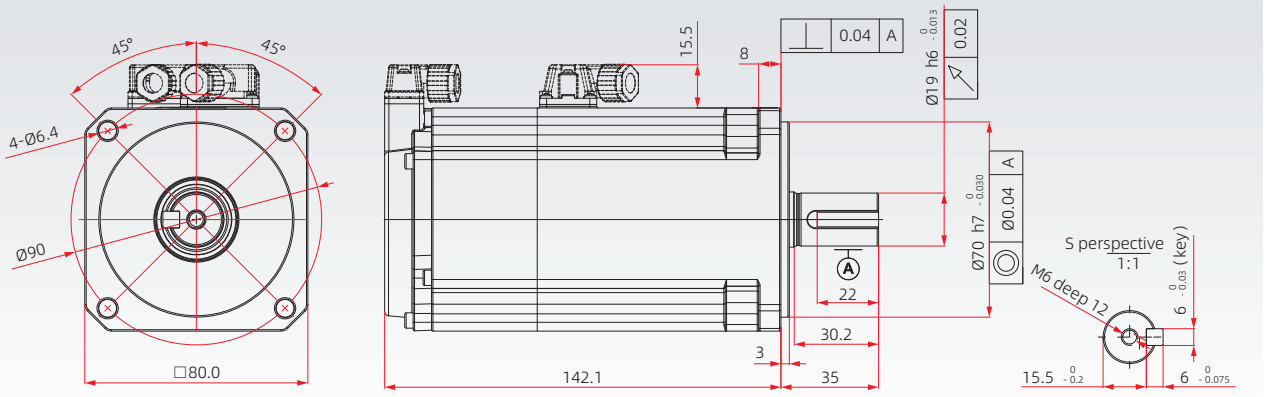
Unit：mm

■ 1000W（80 frame）

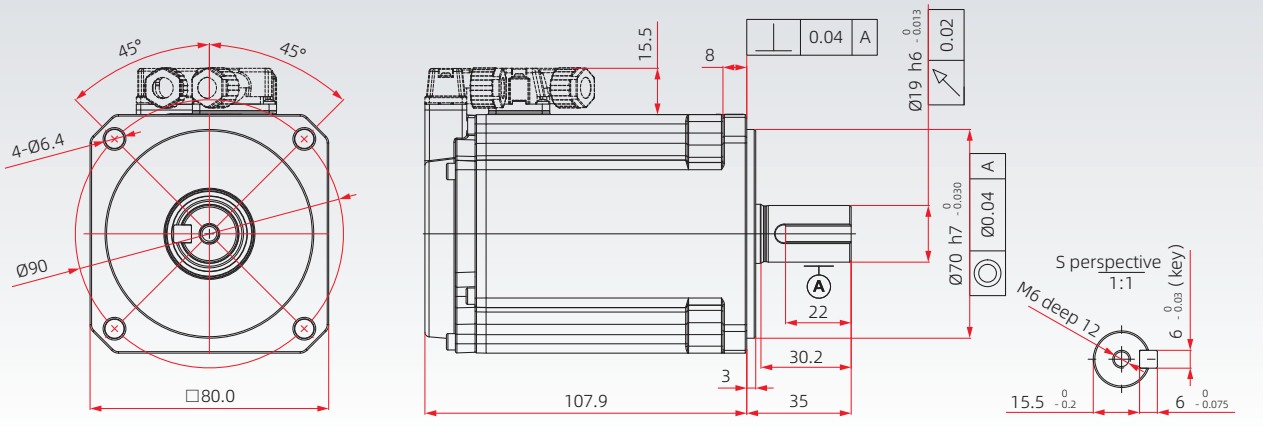
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C10-80/S46E3C10-80（With brake）	S26S3C10-80/S46S3C10-80（without brake）
Rated Power (W)	1000	
Rated current (A)	6.3	
Maximum current (A)	20.9	
Rated torque (N·m)	3.18	
Maximum torque (N·m)	11.13	
Rotor inertia（10^{-4}·kg·m²）	2.28	2.23
Rated speed (rpm)	3000	
Maximum speed（rpm）	6000	
Rated voltage (V)	220	

S26E3C10-80/S46E3C10-80（With brake）



S26S3C10-80/S46S3C10-80（without brake）



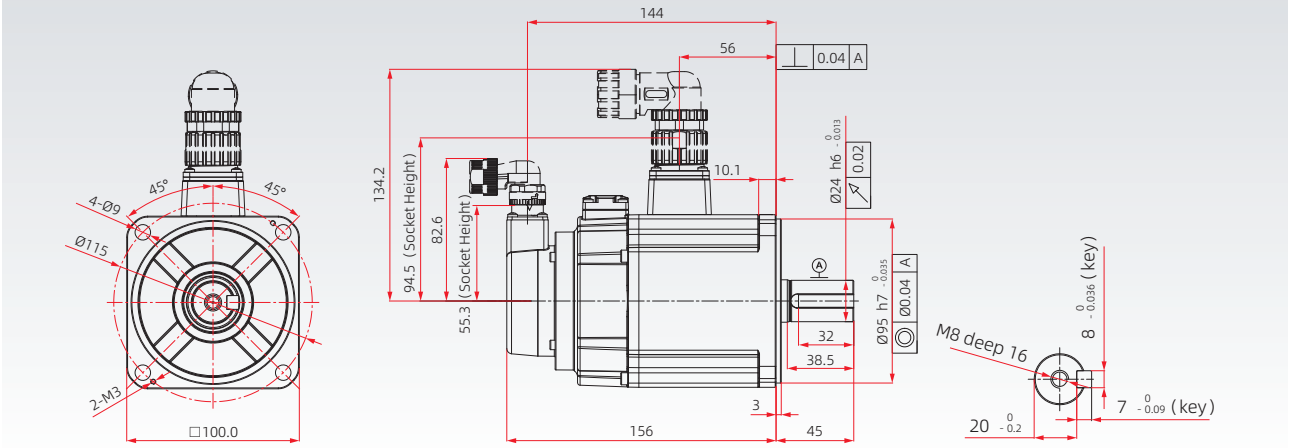
Unit：mm

■ 1000W（100 frame / 220V model）

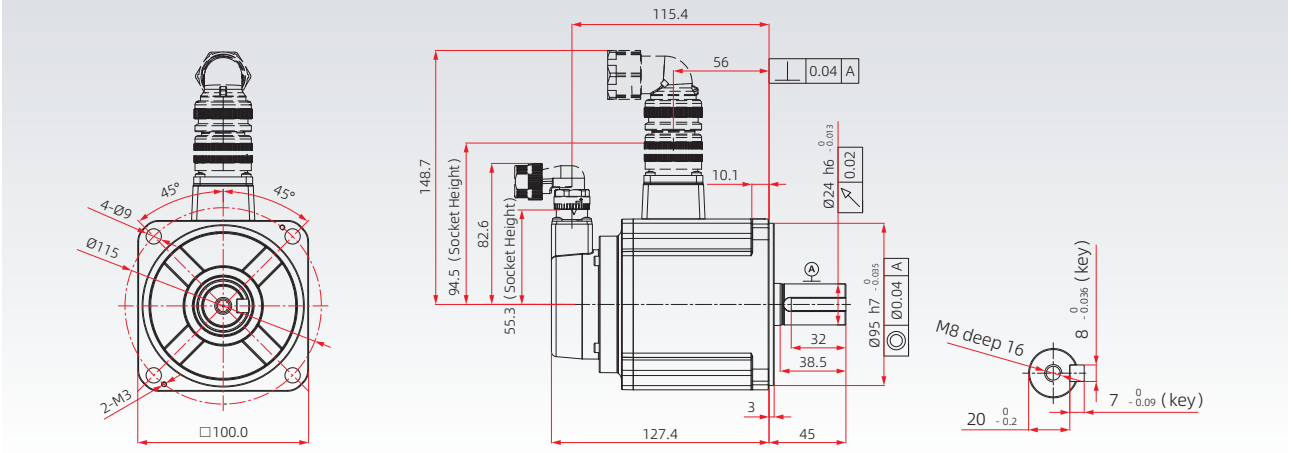
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C10/S46E3C10（With brake）	S26S3C10/S46S3C10（without brake）
Rated Power (W)	1000	
Rated current (A)	6.25	
Maximum current (A)	19.58	
Rated torque (N·m)	3.18	
Maximum torque (N·m)	9.55	
Rotor inertia（10^{-4}·kg·m²）	2.59	1.84
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	220	

S26E3C10/S46E3C10（With brake）



S26S3C10/S46S3C10（without brake）



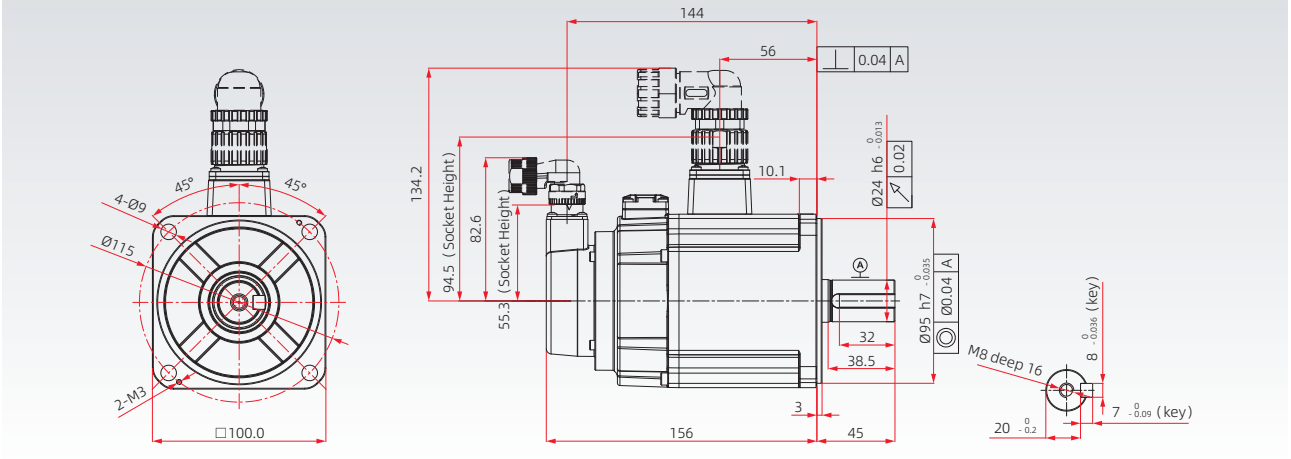
Unit：mm

■ 1000W（100 frame / 380V model）

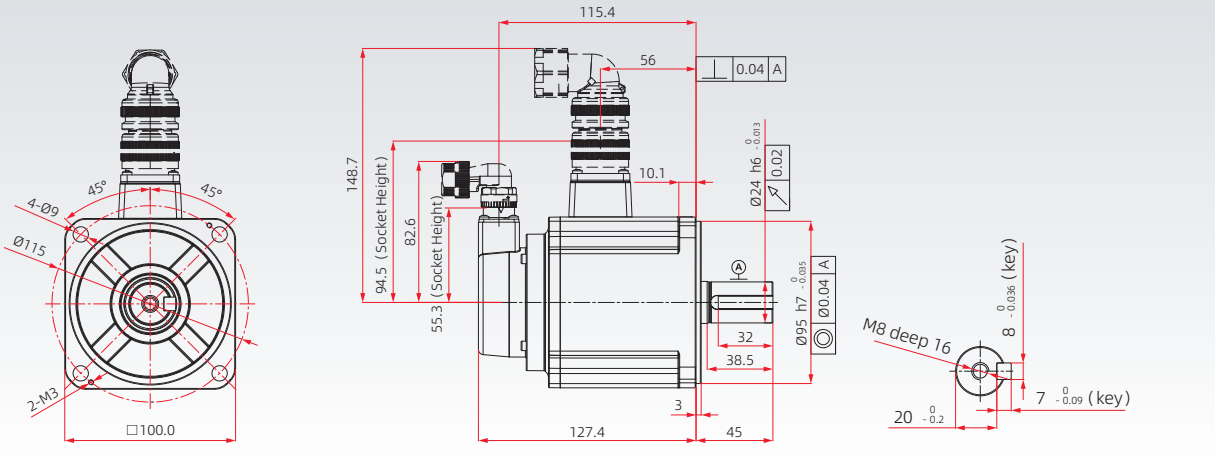
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C10/T46E3C10（With brake）	T26S3C10/T46S3C10（without brake）
Rated Power (W)	1000	
Rated current (A)	3.44	
Maximum current (A)	10.82	
Rated torque (N·m)	3.18	
Maximum torque (N·m)	9.55	
Rotor inertia（10^{-4}·kg·m²）	2.59	1.84
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C10/T46E3C10（With brake）



T26S3C10/T46S3C10（without brake）



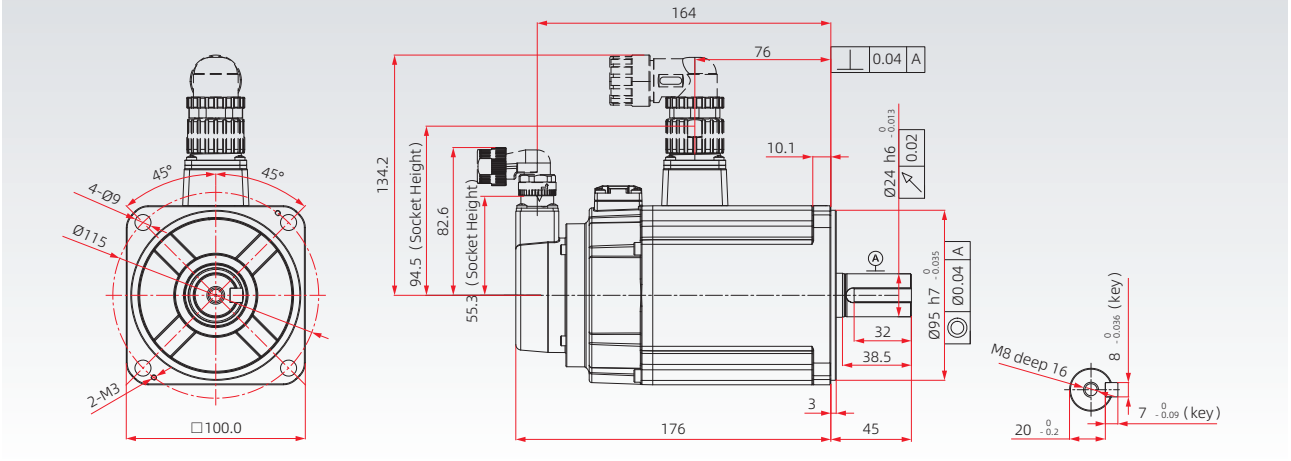
Unit：mm

■ 1500W（100 frame / 220V model）

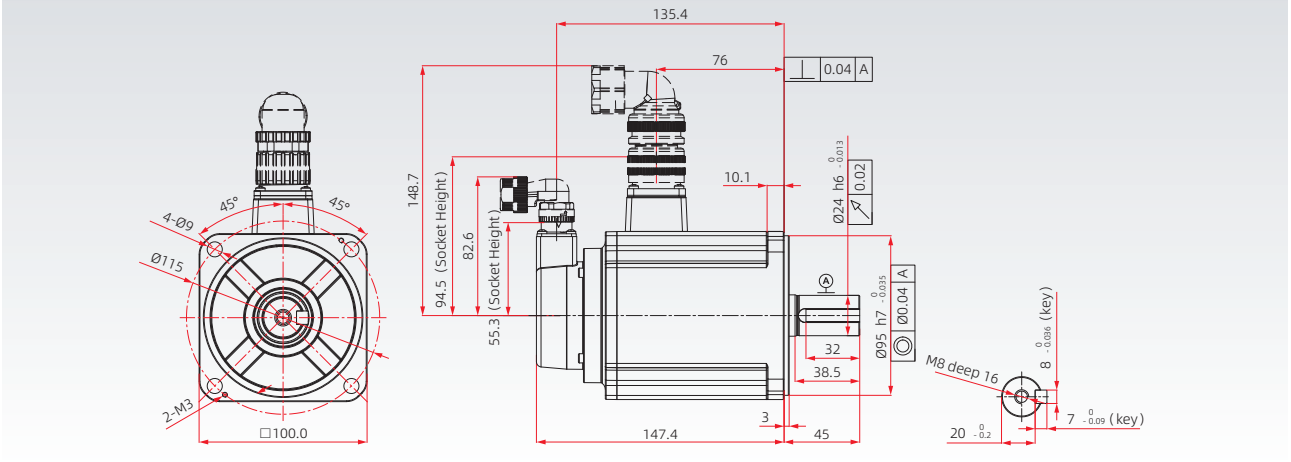
3000 rpmModel

Item（MD-KXXXXXXXXXX）	S26E3C15/S46E3C15（With brake）	S26S3C15/S46S3C15（without brake）
Rated Power (W)	1500	
Rated current (A)	8.9	
Maximum current (A)	25.2	
Rated torque (N·m)	4.78	
Maximum torque (N·m)	14.3	
Rotor inertia（10^{-4}·kg·m²）	3.50	2.75
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	220	

S26E3C15/S46E3C15（With brake）



S26S3C15/S46S3C15（without brake）



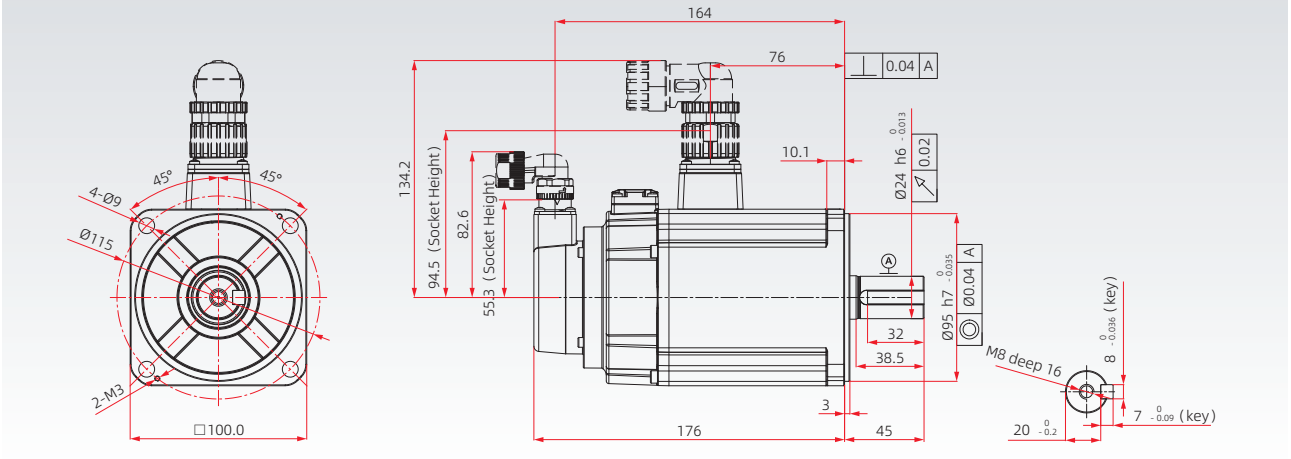
Unit：mm

■ 1500W（100 frame / 380V model）

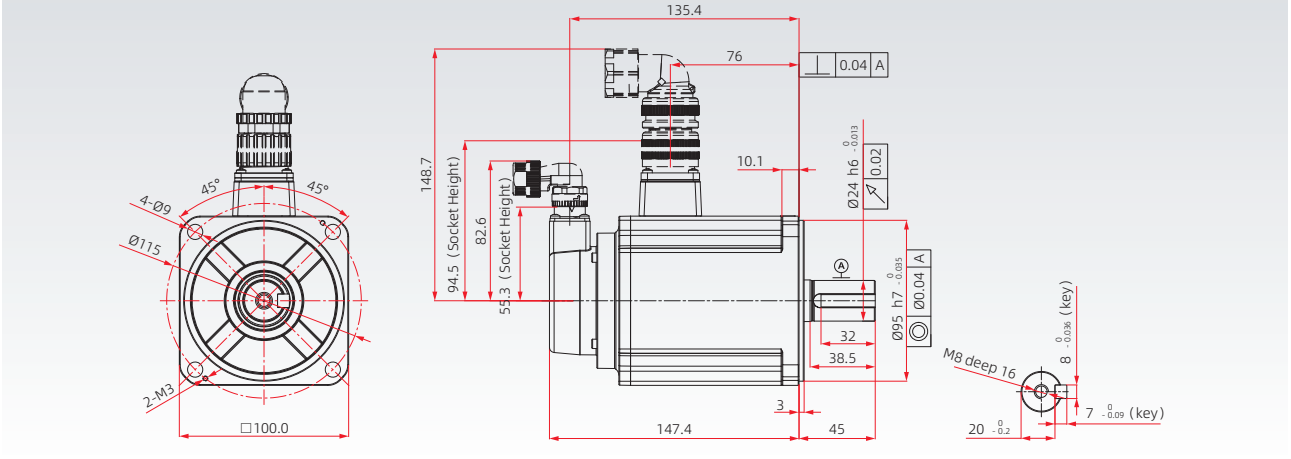
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C15/T46E3C15（With brake）	T26S3C15/T46S3C15（without brake）
Rated Power (W)	1500	
Rated current (A)	4.86	
Maximum current (A)	14.59	
Rated torque (N·m)	4.78	
Maximum torque (N·m)	14.3	
Rotor inertia（10^{-4}·kg·m²）	3.50	2.75
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C15/T46E3C15（With brake）



T26S3C15/T46S3C15（without brake）



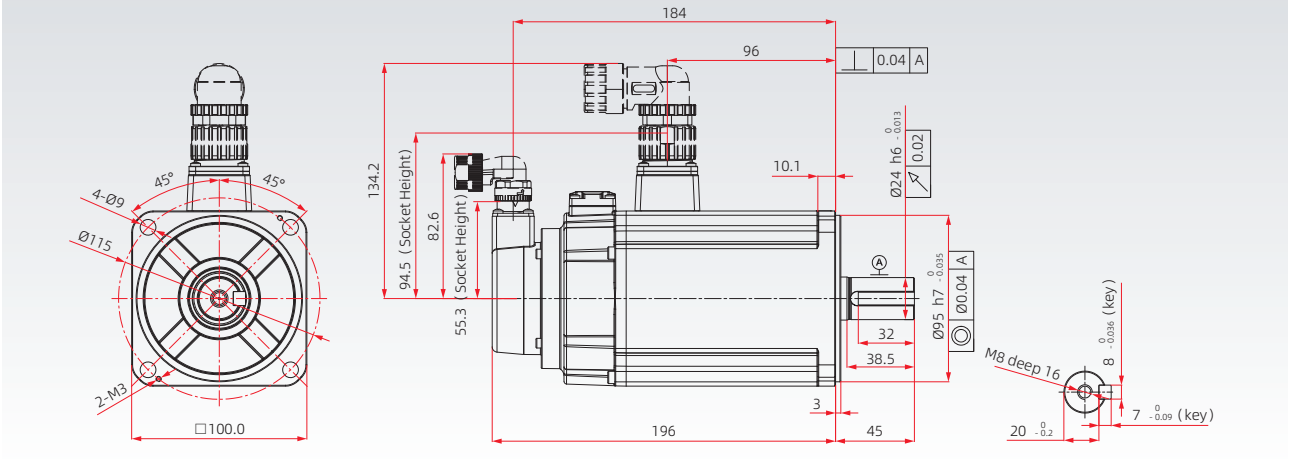
Unit：mm

■ 2000W（100 frame）

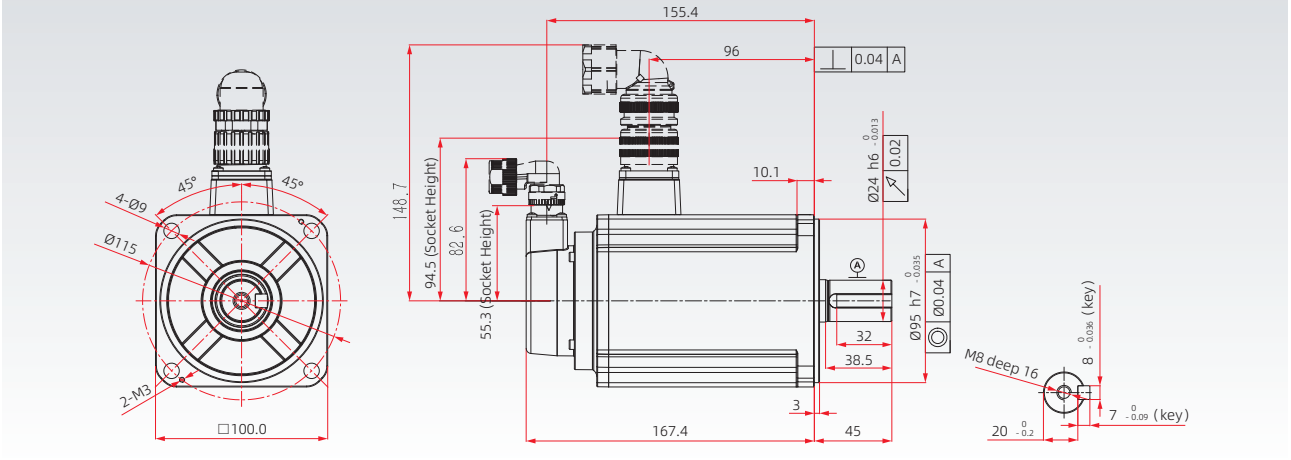
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C20/T46E3C20（With brake）	T26S3C20/T46S3C20（without brake）
Rated Power (W)	2000	
Rated current (A)	7.05	
Maximum current (A)	19.78	
Rated torque (N·m)	6.37	
Maximum torque (N·m)	19.1	
Rotor inertia（10^{-4}·kg·m²）	4.40	3.65
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C20/T46E3C20（With brake）



T26S3C20/T46S3C20（without brake）



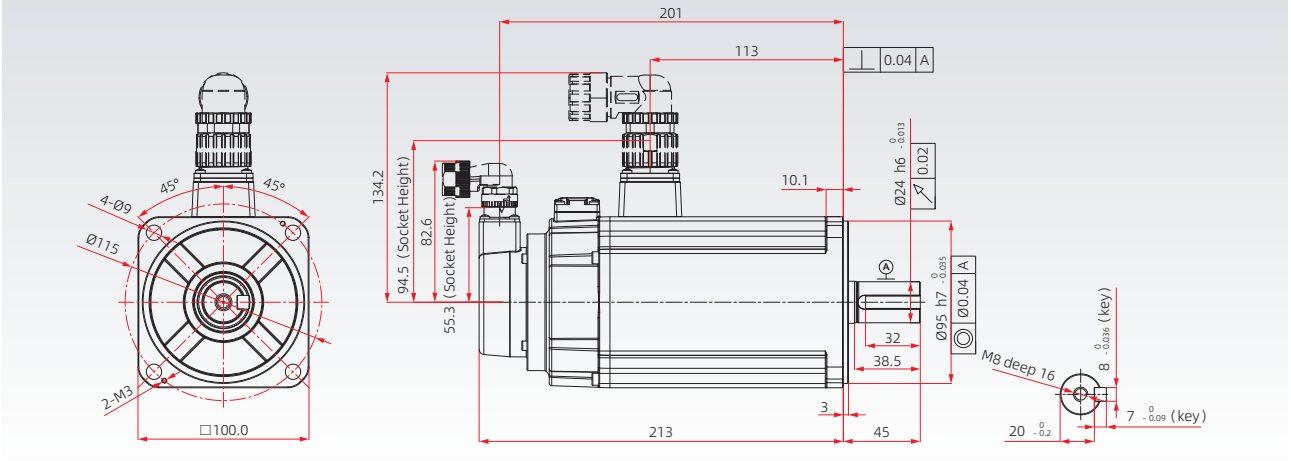
Unit：mm

■ 2500W（100 frame）

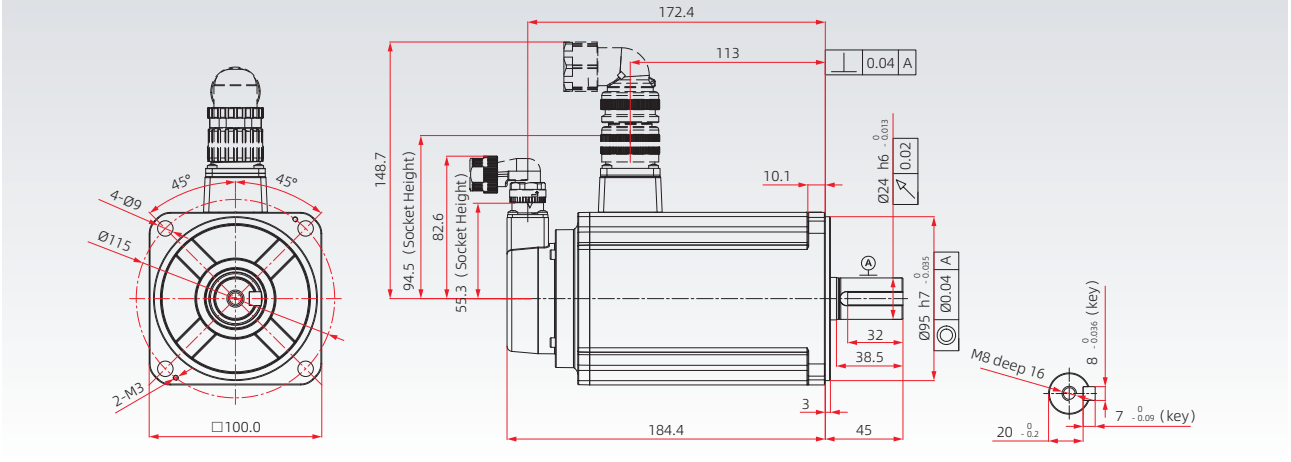
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C25/T46E3C25（With brake）	T26S3C25/T46S3C25（without brake）
Rated Power (W)	2500	
Rated current (A)	8.74	
Maximum current (A)	25.07	
Rated torque (N·m)	7.96	
Maximum torque (N·m)	23.9	
Rotor inertia（10^{-4}·kg·m²）	5.11	4.36
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C25/T46E3C25（With brake）



T26S3C25/T46S3C25（without brake）



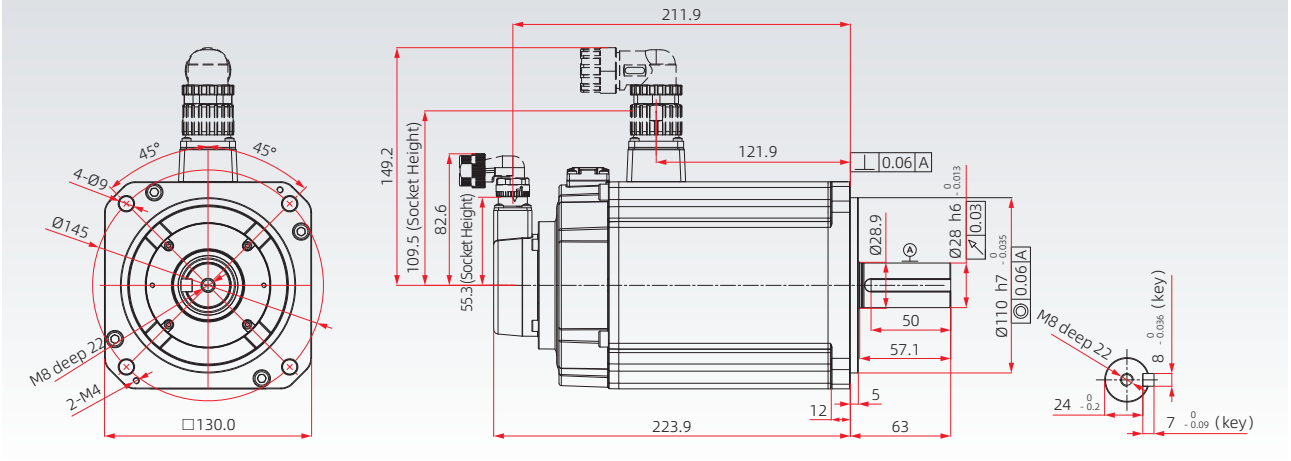
Unit：mm

■ 3000W（130 frame size）

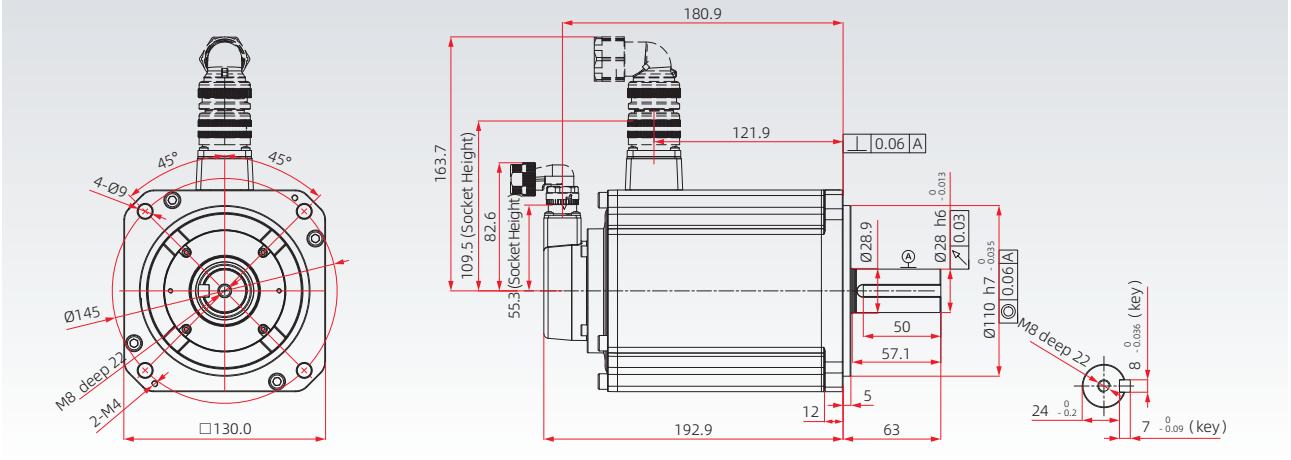
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C30/T46E3C30（With brake）	T26S3C30/T46S3C30（without brake）
Rated Power (W)	3000	
Rated current (A)	10.13	
Maximum current (A)	29.59	
Rated torque (N·m)	9.8	
Maximum torque (N·m)	29.4	
Rotor inertia（10^{-4}·kg·m²）	8.22	7.28
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C30/T46E3C30（With brake）



T26S3C30/T46S3C30（without brake）



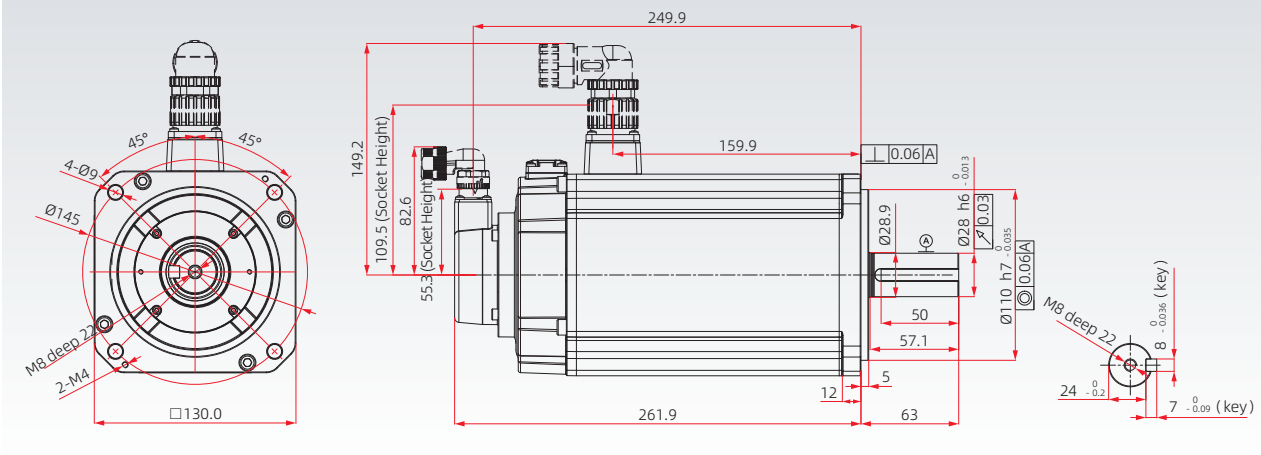
Unit：mm

■ 4000W（130 frame）

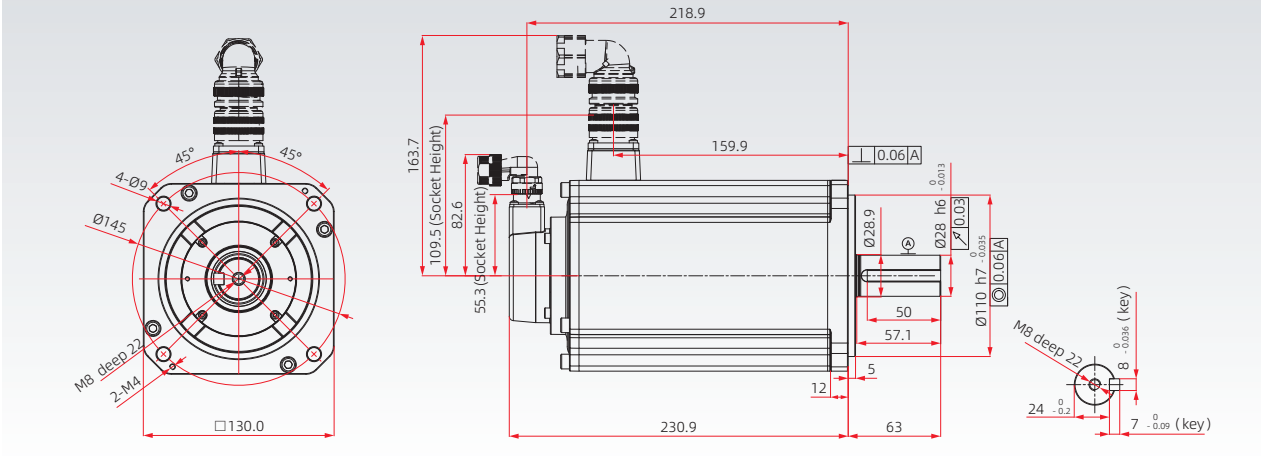
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C40/T46E3C40（With brake）	T26S3C40/T46S3C40（without brake）
Rated Power (W)	4000	
Rated current (A)	12.96	
Maximum current (A)	37.1	
Rated torque (N·m)	12.6	
Maximum torque (N·m)	37.8	
Rotor inertia（10^{-4}·kg·m²）	11.04	10.1
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C40/T46E3C40（With brake）



T26S3C40/T46S3C40（without brake）



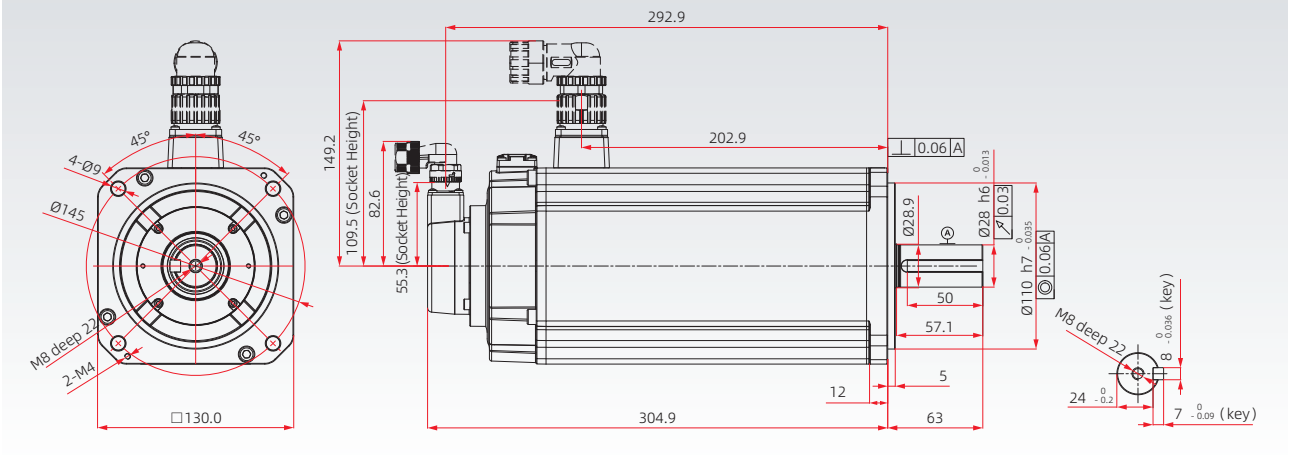
Unit：mm

■ 5000W（130 frame）

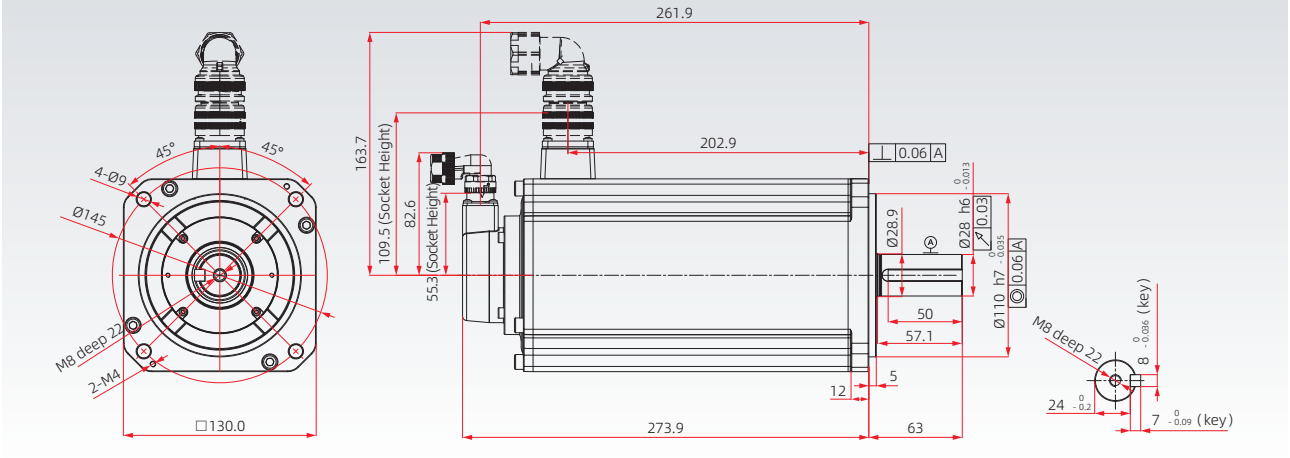
3000 rpmModel

Item（MD-KXXXXXXXXXX）	T26E3C50/T46E3C50（With brake）	T26S3C50/T46S3C50（without brake）
Rated Power (W)	5000	
Rated current (A)	16.77	
Maximum current (A)	46.43	
Rated torque (N·m)	15.8	
Maximum torque (N·m)	47.4	
Rotor inertia（10^{-4}·kg·m²）	14.24	13.3
Rated speed (rpm)	3000	
Maximum speed（rpm）	5000	
Rated voltage (V)	380	

T26E3C50/T46E3C50（With brake）



T26S3C50/T46S3C50（without brake）



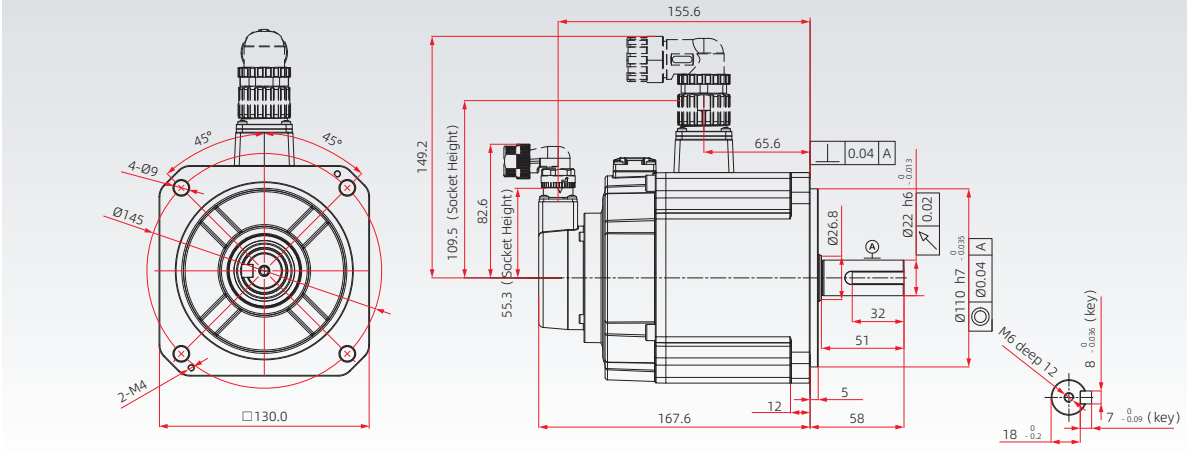
Unit：mm

■ 850W（130 frame/ 220V model）

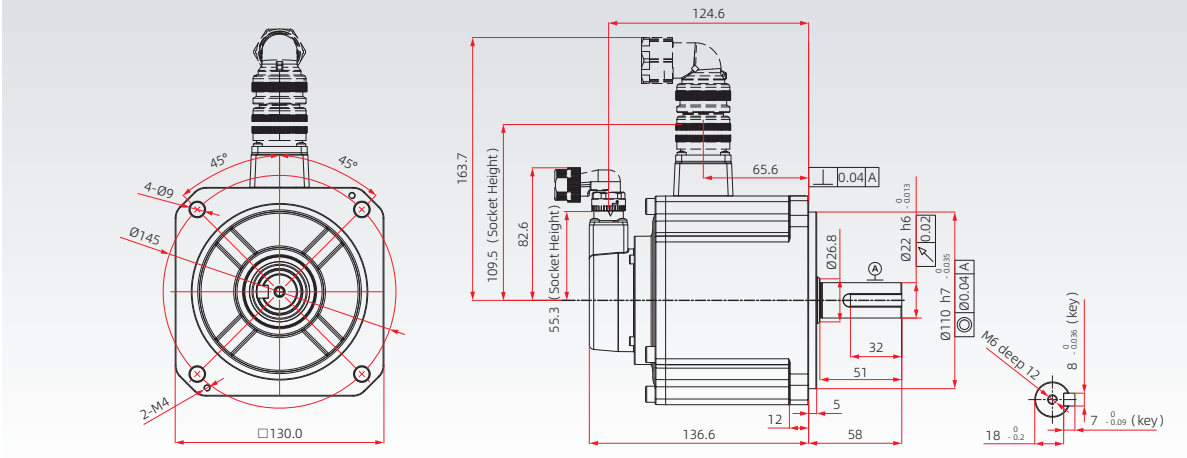
1500 rpmModel

Item（MD-KXXXXXXXXXX）	S26E1C09/S46E1C09（With brake）	S26S1C09/S46S1C09（without brake）
Rated Power (W)	850	
Rated current (A)	5.72	
Maximum current (A)	13.89	
Rated torque (N·m)	5.39	
Maximum torque (N·m)	13.5	
Rotor inertia（10^{-4}·kg·m²）	14.56	13.62
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	220	

S26E1C09/S46E1C09（With brake）



S26S1C09/S46S1C09（without brake）



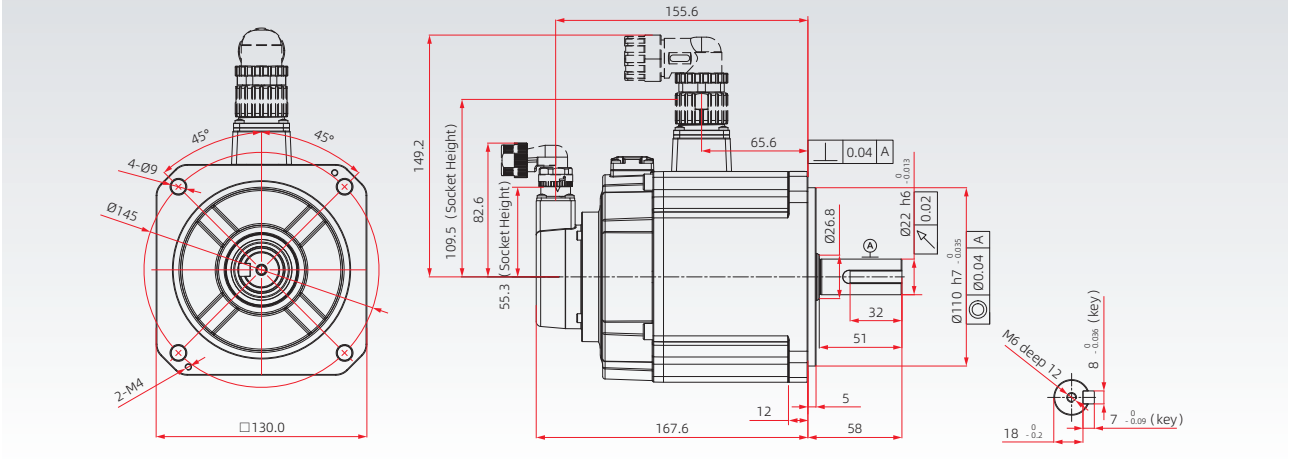
Unit：mm

■ 850W（130 frame / 380V model）

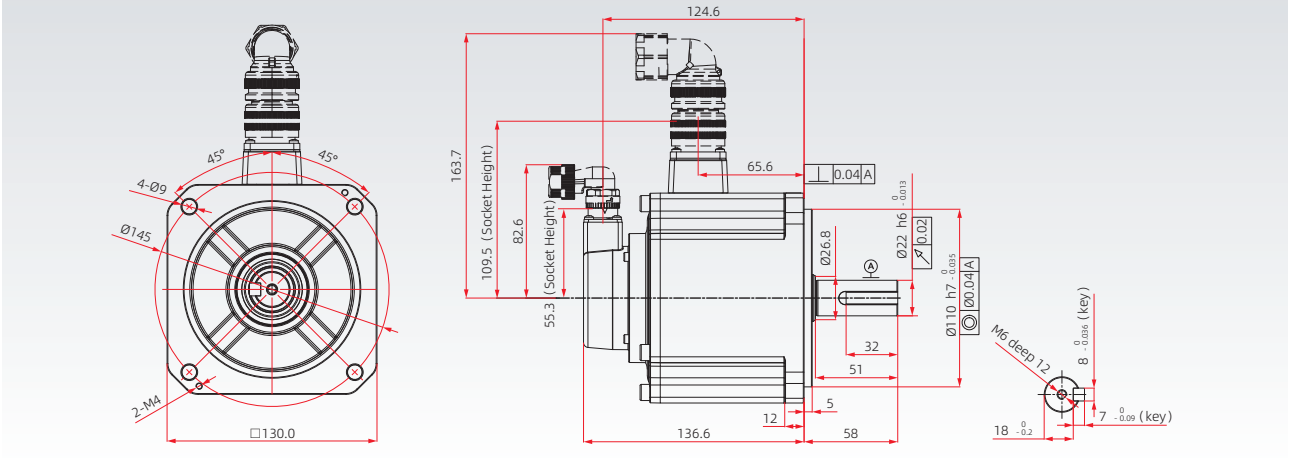
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C09/T46E1C09（With brake）	T26S1C09/T46S1C09（without brake）
Rated Power (W)	850	
Rated current (A)	3.16	
Maximum current (A)	7.99	
Rated torque (N·m)	5.39	
Maximum torque (N·m)	13.5	
Rotor inertia（10^{-4}·kg·m²）	14.56	13.62
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C09/T46E1C09（With brake）



T26S1C09/T46S1C09（without brake）



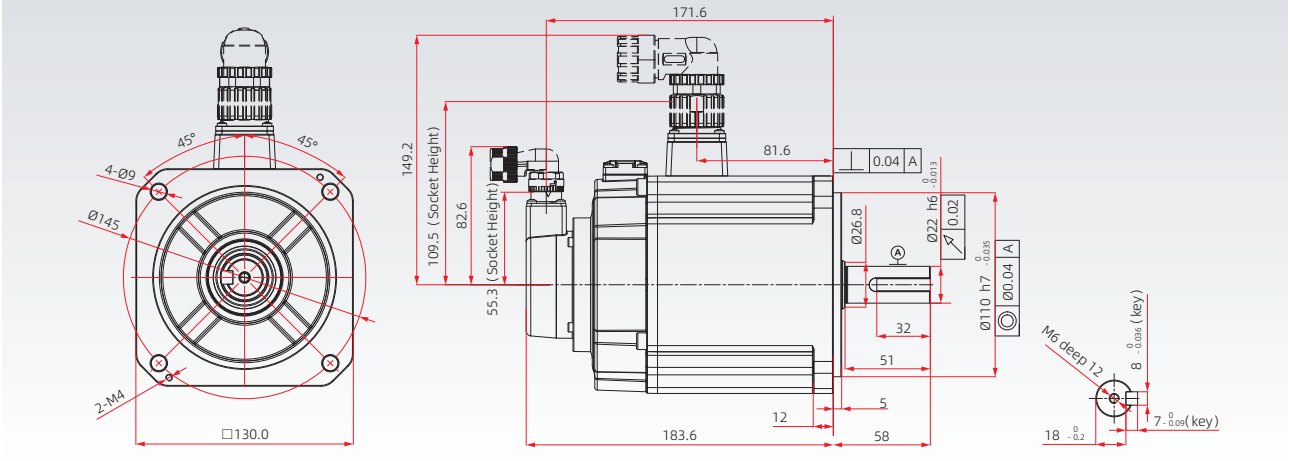
Unit：mm

■ 1300W（130 frame / 220V model）

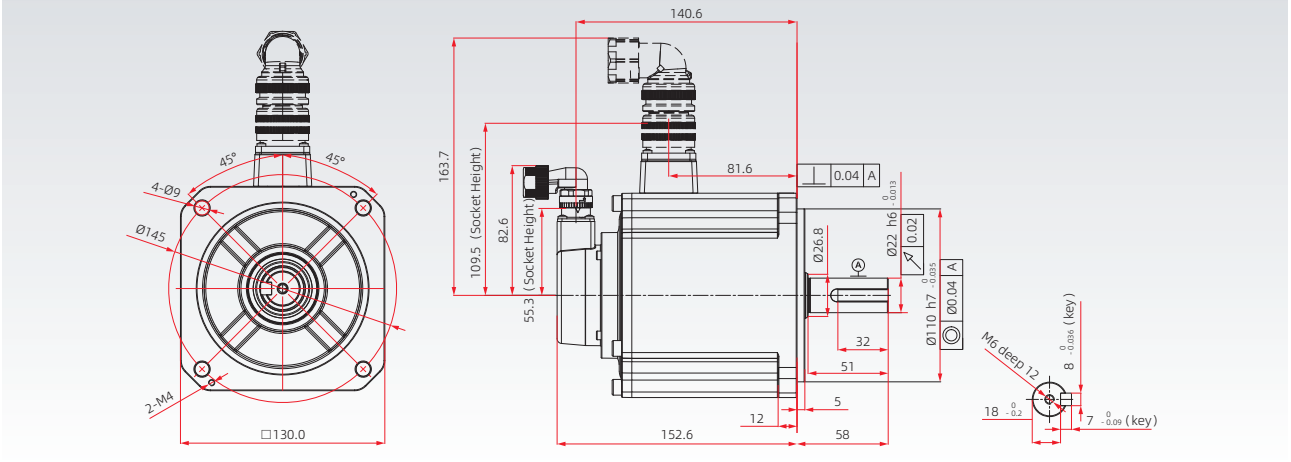
1500 rpmModel

Item（MD-KXXXXXXXXXX）	S26E1C13/S46E1C13（With brake）	S26S1C13/S46S1C13（without brake）
Rated Power (W)	1300	
Rated current (A)	8.61	
Maximum current (A)	21.1	
Rated torque (N·m)	8.34	
Maximum torque (N·m)	20.85	
Rotor inertia（10^{-4}·kg·m²）	20.54	19.6
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	220	

S26E1C13/S46E1C13（With brake）



S26S1C13/S46S1C13（without brake）



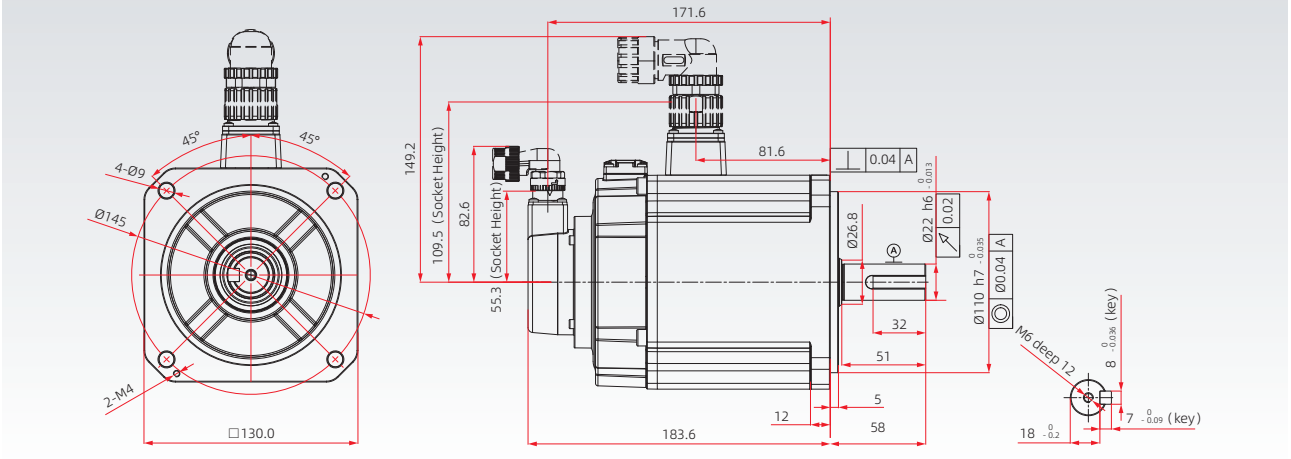
Unit：mm

■ 1300W（130 frame / 380V model）

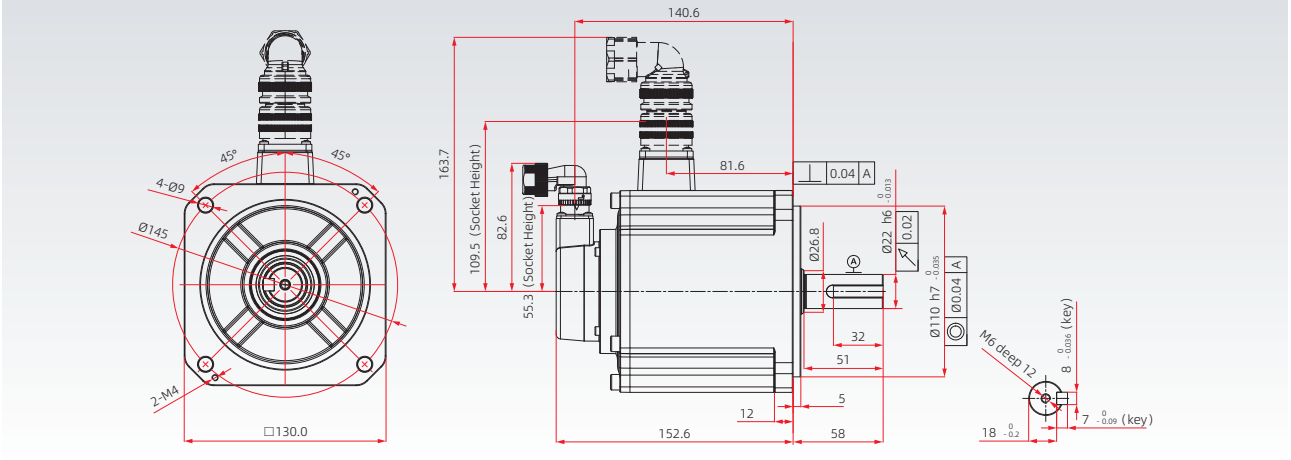
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C13/T46E1C13（With brake）	T26S1C13/T46S1C13（without brake）
Rated Power (W)	1300	
Rated current (A)	4.97	
Maximum current (A)	12.05	
Rated torque (N·m)	8.34	
Maximum torque (N·m)	20.85	
Rotor inertia（10^{-4}·kg·m²）	20.54	19.6
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C13/T46E1C13（With brake）



T26S1C13/T46S1C13（without brake）



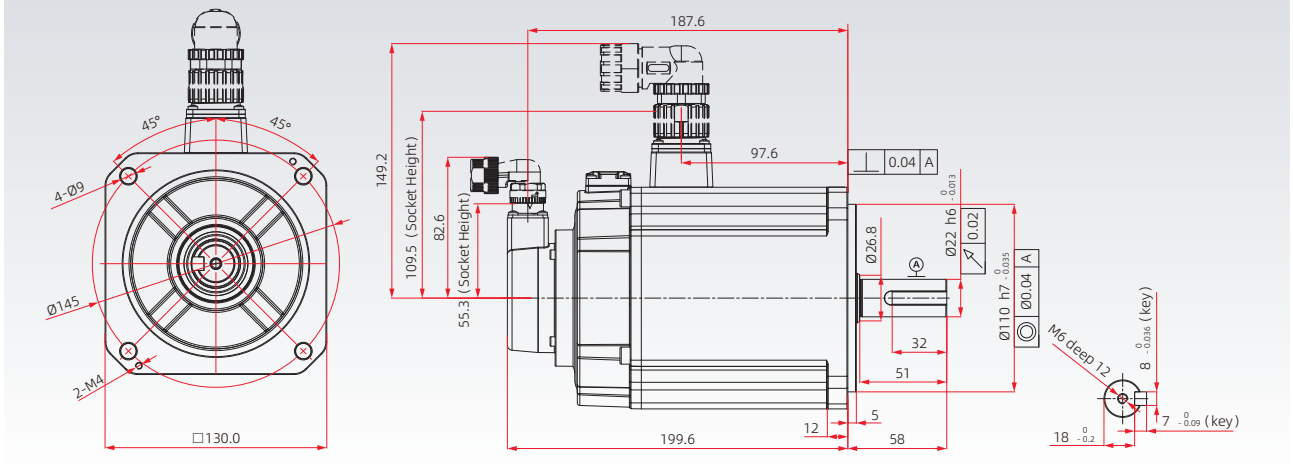
Unit：mm

■ 1800W（130 frame）

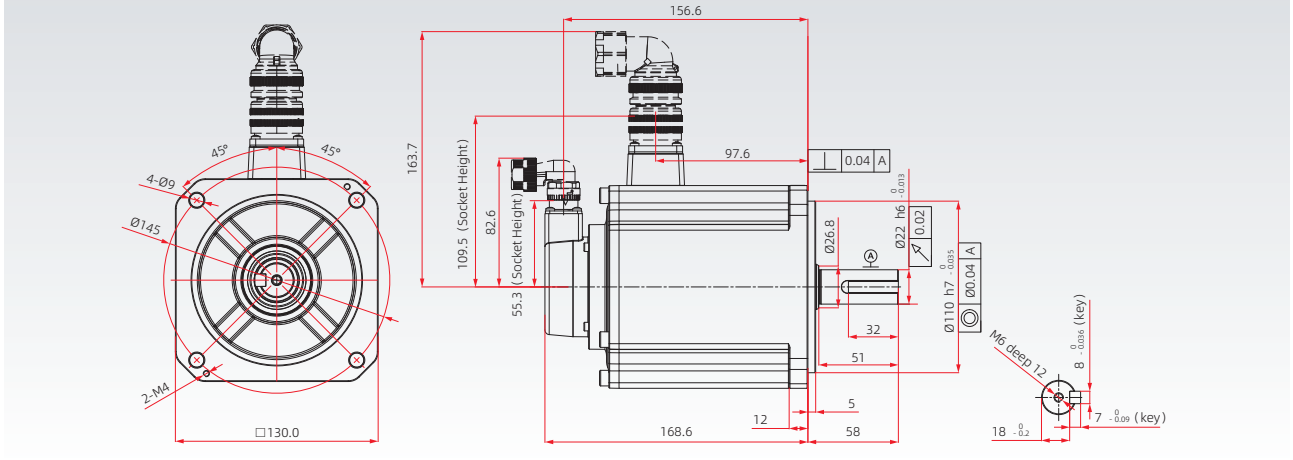
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C18/T46E1C18（With brake）	T26S1C18/T46S1C18（without brake）
Rated Power (W)	1800	
Rated current (A)	7.03	
Maximum current (A)	17.01	
Rated torque (N·m)	11.5	
Maximum torque (N·m)	28.75	
Rotor inertia（10^{-4}·kg·m²）	25.72	24.78
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C18/T46E1C18（With brake）



T26S1C18/T46S1C18（without brake）



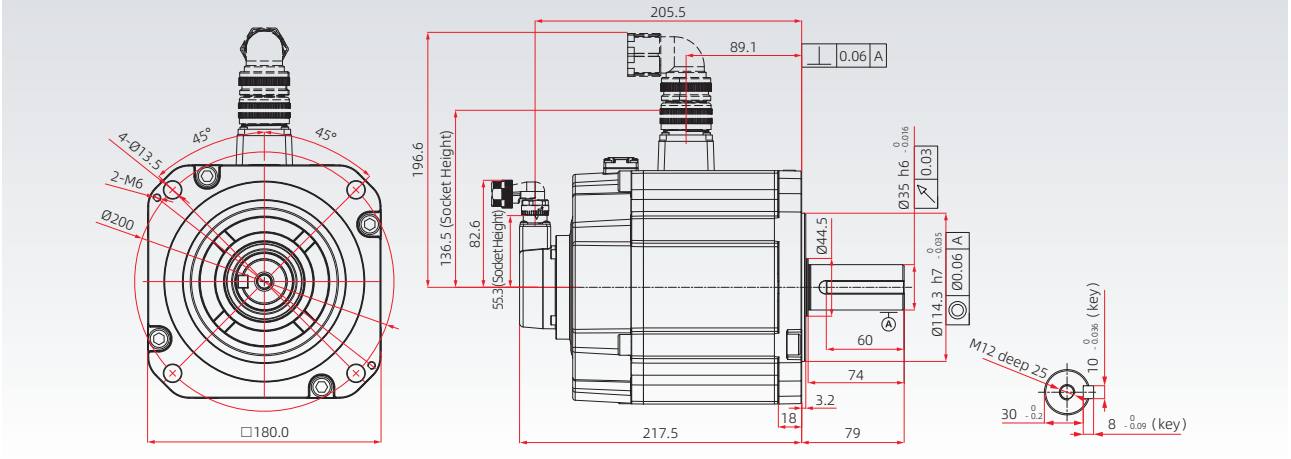
Unit：mm

■ 2900W（180 frame）

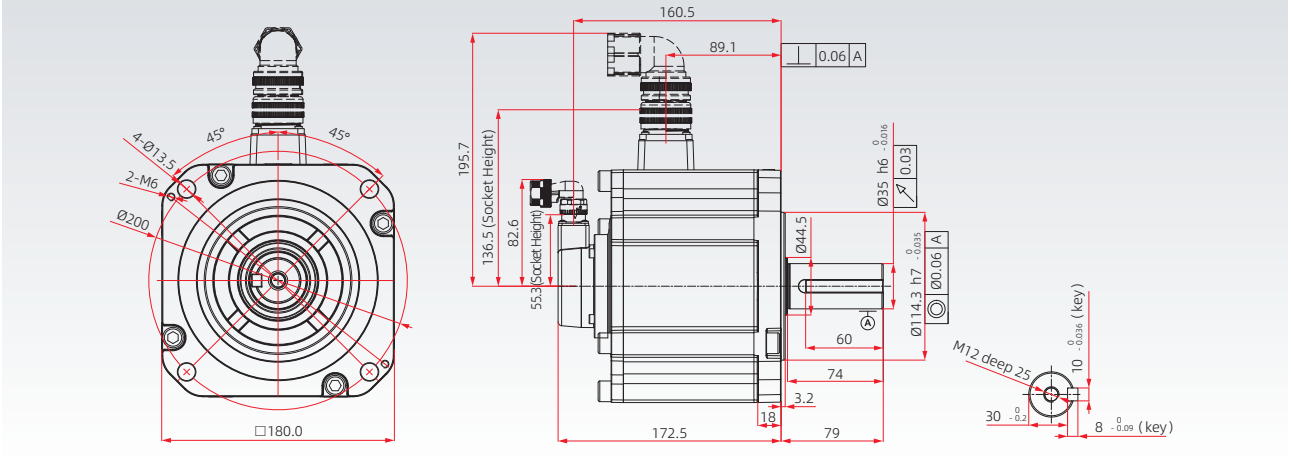
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C29/T46E1C29（With brake）	T26S1C29/T46S1C29（without brake）
Rated Power (W)	2900	
Rated current (A)	10.26	
Maximum current (A)	25.81	
Rated torque (N·m)	18.6	
Maximum torque (N·m)	46.5	
Rotor inertia（10^{-4}·kg·m²）	51.94	46.19
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C29/T46E1C29（With brake）



T26S1C29/T46S1C29（without brake）



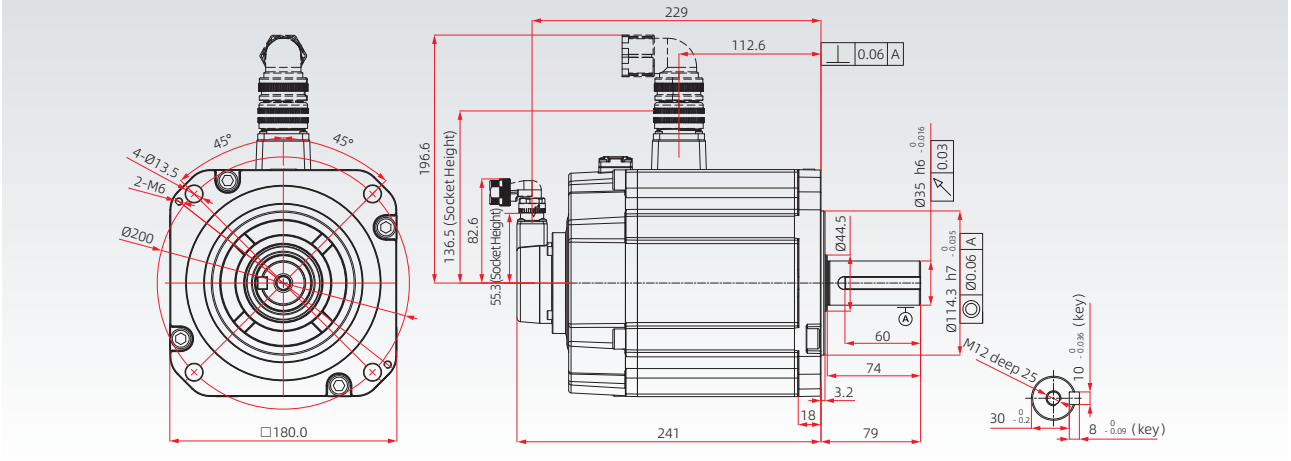
Unit：mm

■ 4400W（180 frame）

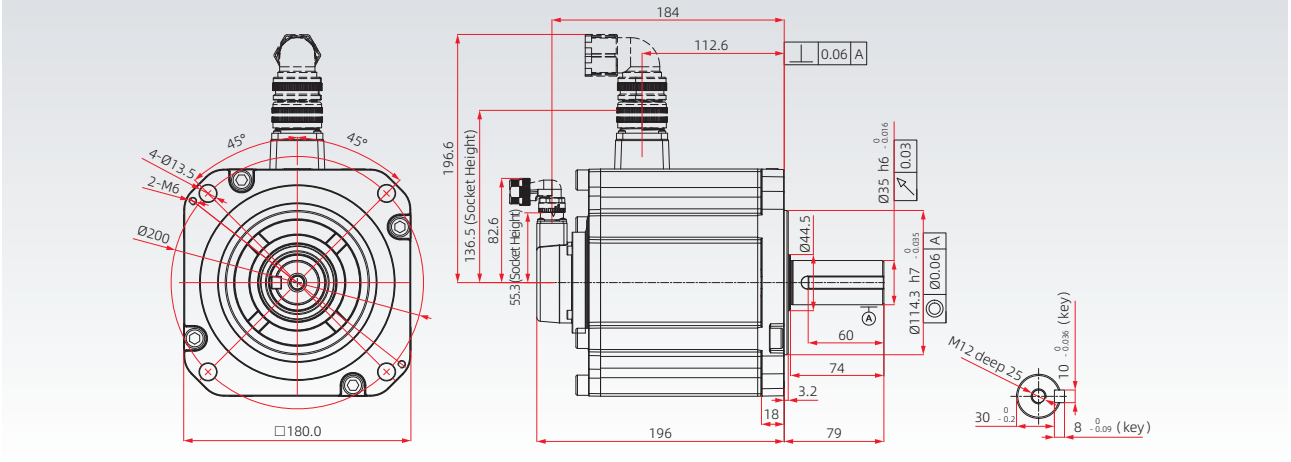
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C44/T46E1C44（With brake）	T26S1C44/T46S1C44（without brake）
Rated Power (W)	4400	
Rated current (A)	15.6	
Maximum current (A)	37.8	
Rated torque (N·m)	28.4	
Maximum torque (N·m)	71.1	
Rotor inertia（10^{-4}·kg·m²）	72.97	67.22
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C44/T46E1C44（With brake）



T26S1C44/T46S1C44（without brake）



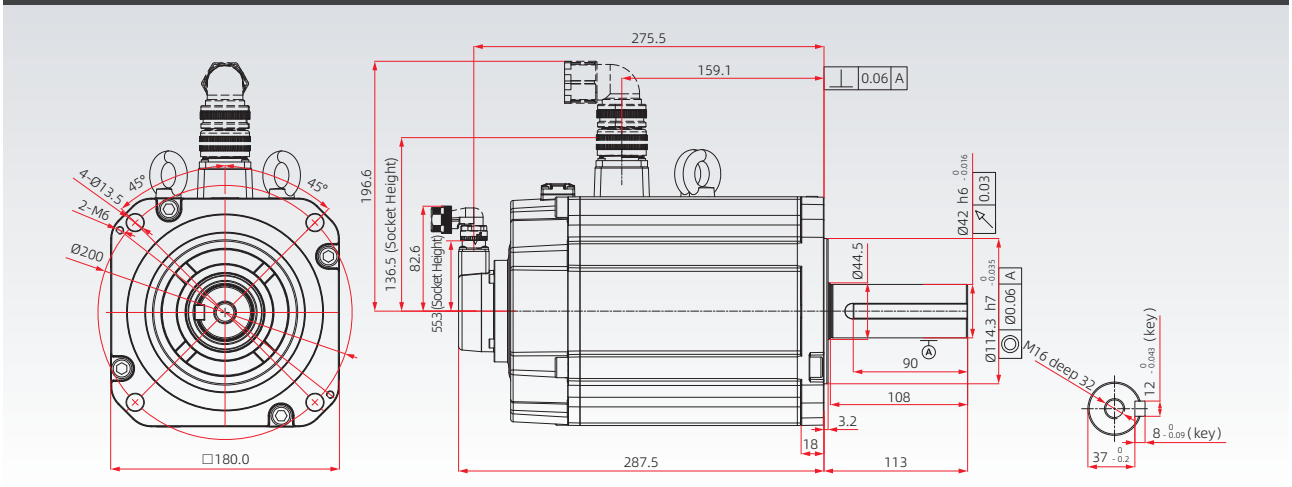
Unit：mm

■ 5500W（180 frame）

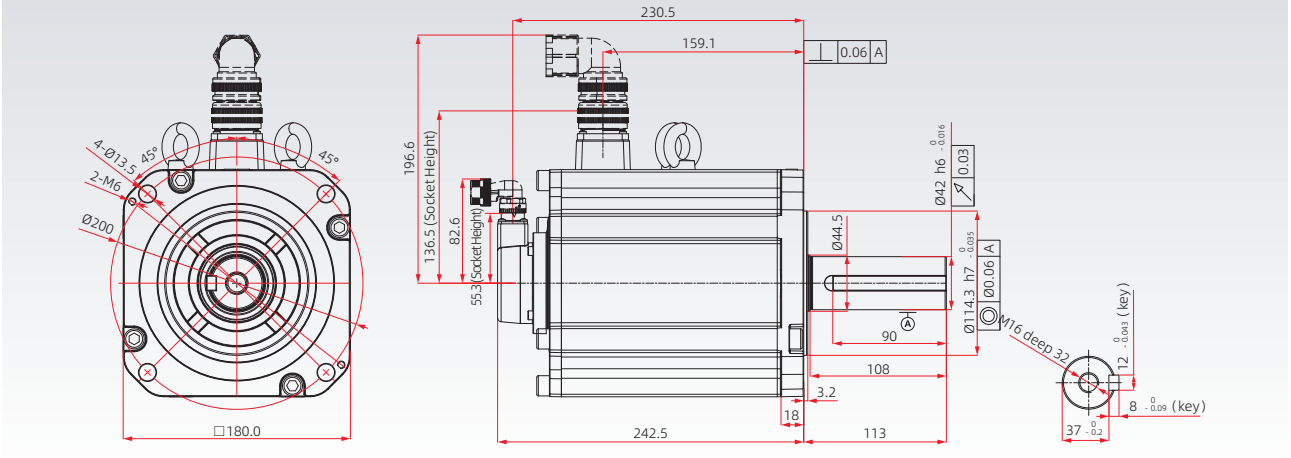
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C55/T46E1C55（With brake）	T26S1C55/T46S1C55（without brake）
Rated Power (W)	5500	
Rated current (A)	19.77	
Maximum current (A)	45.08	
Rated torque (N·m)	35	
Maximum torque (N·m)	87.6	
Rotor inertia（10^{-4}·kg·m²）	116.28	110.53
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C55/T46E1C55（With brake）



T26S1C55/T46S1C55（without brake）



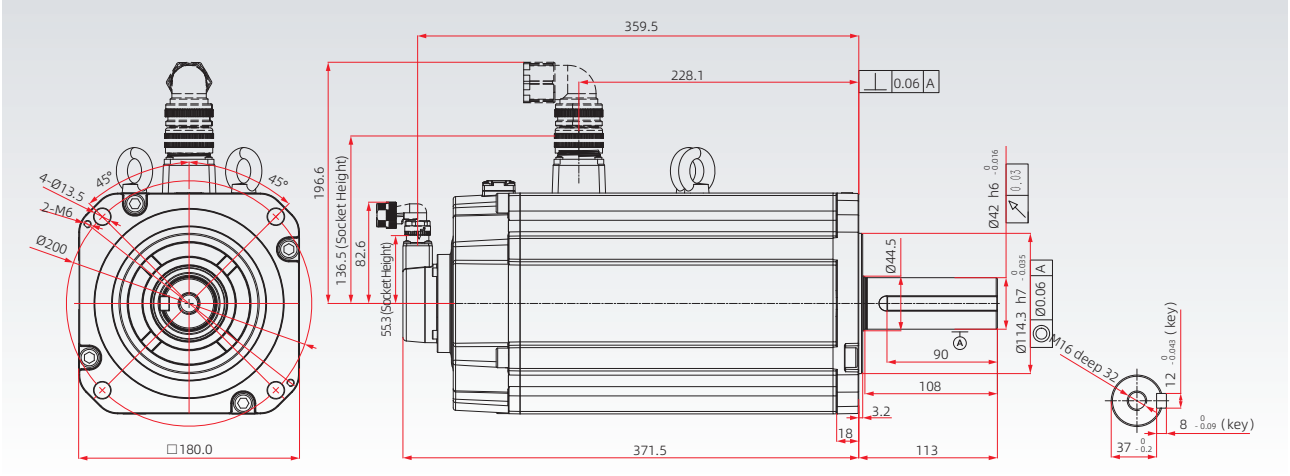
Unit：mm

■ 7500W（180 frame）

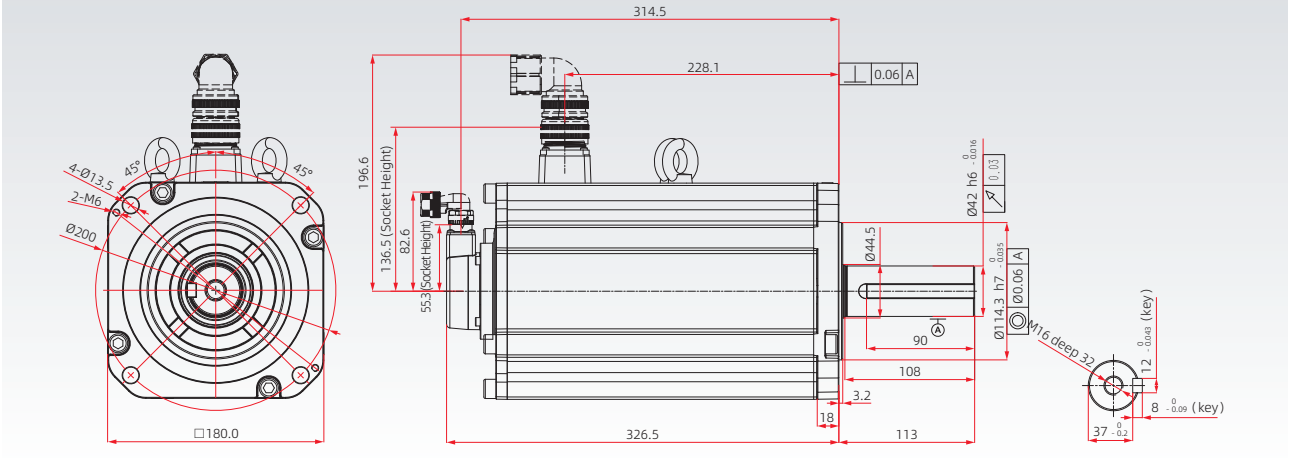
1500 rpmModel

Item（MD-KXXXXXXXXXX）	T26E1C75/T46E1C75（With brake）	T26S1C75/T46S1C75（without brake）
Rated Power (W)	7500	
Rated current (A)	26.45	
Maximum current (A)	60.23	
Rated torque (N·m)	48	
Maximum torque (N·m)	119	
Rotor inertia（10^{-4}·kg·m²）	166.20	160.45
Rated speed (rpm)	1500	
Maximum speed（rpm）	3000	
Rated voltage (V)	380	

T26E1C75/T46E1C75（With brake）



T26S1C75/T46S1C75（without brake）

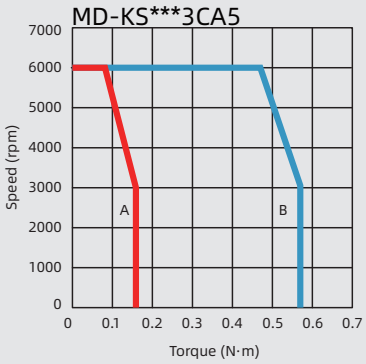


Unit：mm

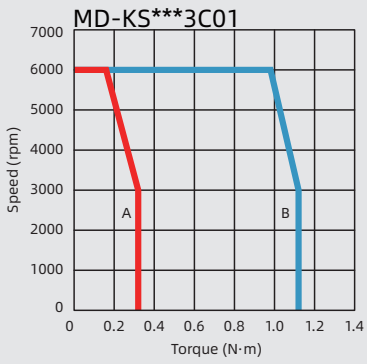
MD-K motor torque-speed characteristics

3000 rpmModel

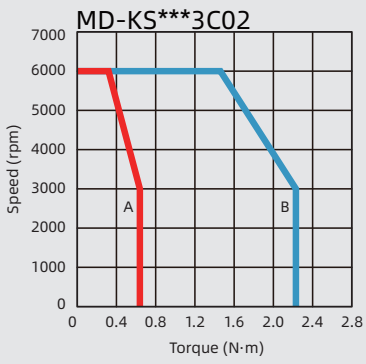
50W（40 frame）



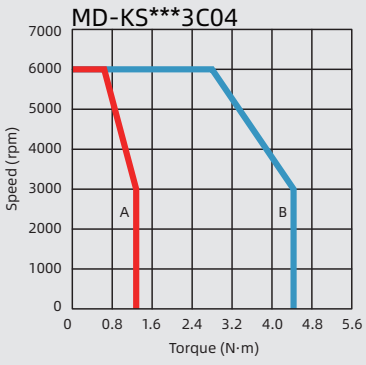
100W（40 frame）



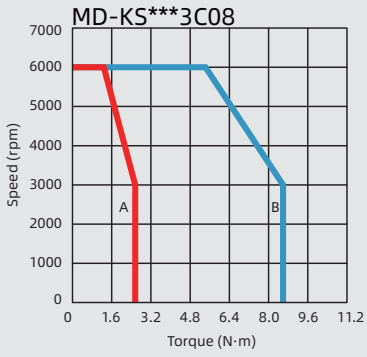
200W（60 frame）



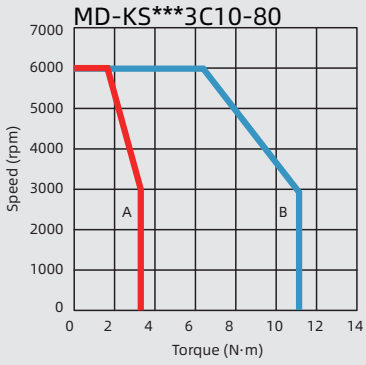
400W（60 frame）



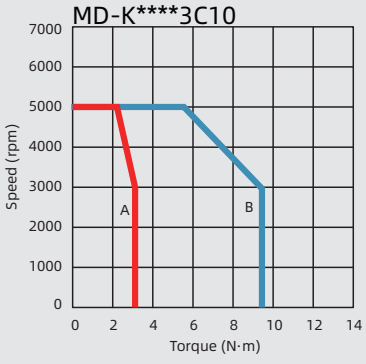
750W（80 frame）



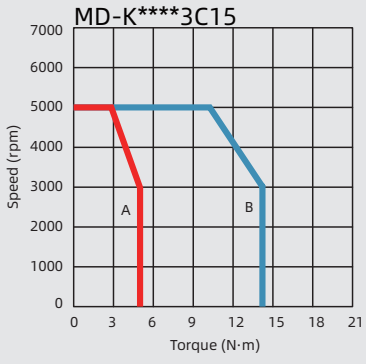
1000W（ 80 frame）



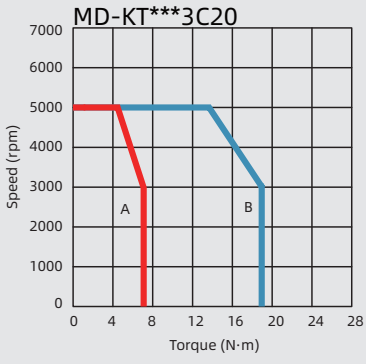
1000W（100 frame / 220V & 380V）



1500W（100 frame / 220V & 380V）



2000W（100 frame）

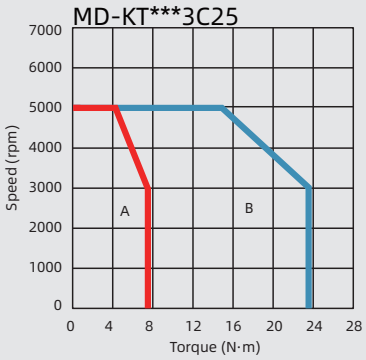


A Continuous working area

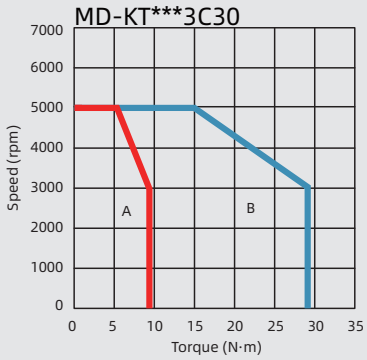
B Short-time work area

3000 rpmModel

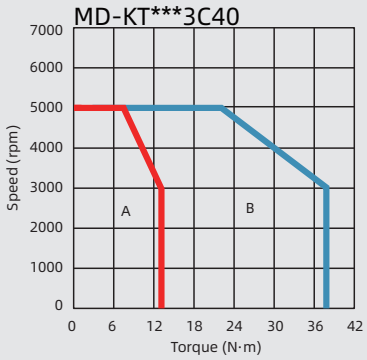
2500W（100 frame）



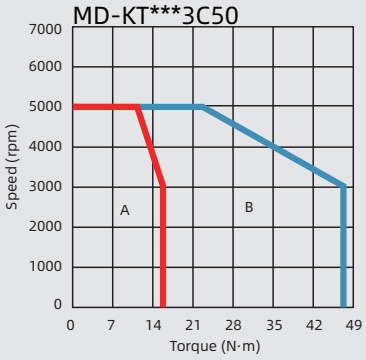
3000W（130 frame）



4000W（130 frame）



5000W（130 frame）

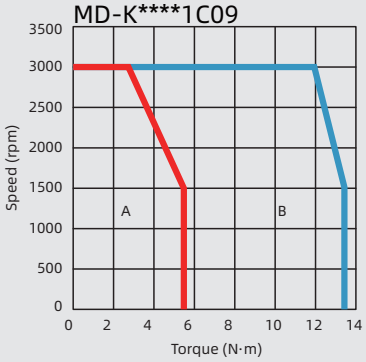


A Continuous working area
B Short-time work area

1500 rpmModel

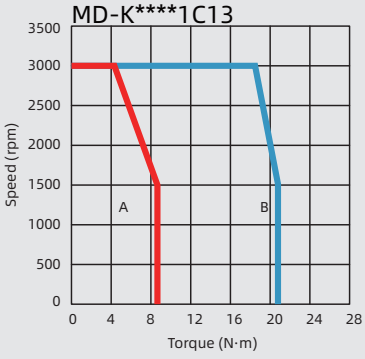
850W（130 frame / 220V&380V models）

MD-K****1C09



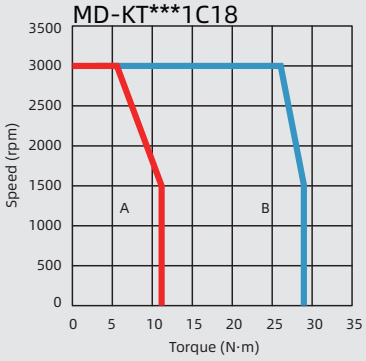
1300W（130 frame / 220V&380V models）

MD-K****1C13



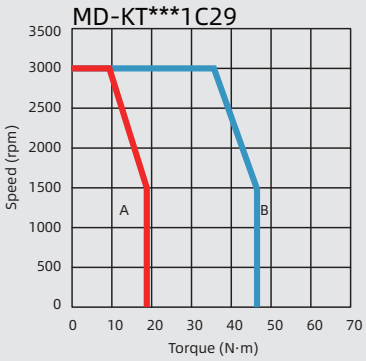
1800W（130 frame）

MD-KT***1C18



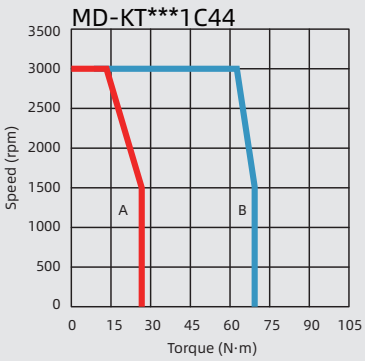
2900W（180 frame）

MD-KT***1C29



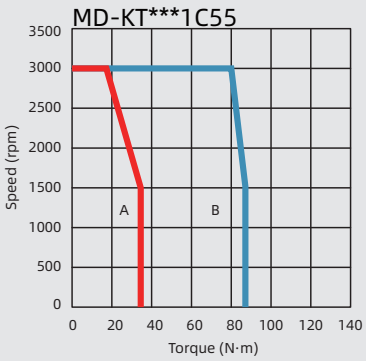
4400W（180 frame）

MD-KT***1C44



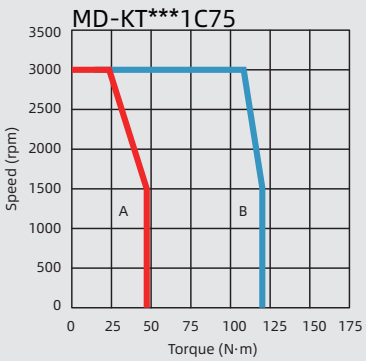
5500W（180 frame）

MD-KT***1C55



7500W（180 frame）

MD-KT***1C75



A Continuous working area
B Short-time work area