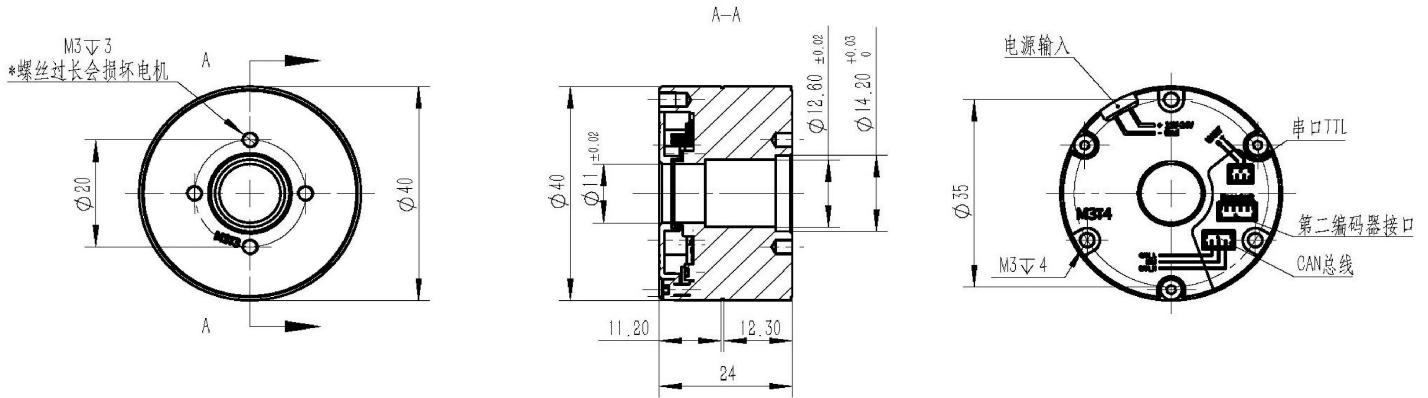


Basic Parameter		
Motor type	Brushless servo motor	
Voltage range	12~24	V
Peak torque	0.05	N.M
Rated torque	0.02	N.M
Peak current	2	A
Continuous current	<0.4	A
Instantaneous power	48	W
Rated power	9.6	W
Outer diameter	28.5	mm
Minimum inner diameter	4	mm
Height	20.7	mm
Weight	33.8	g
Motor Parameter		
Number of pole pairs	7	Pair
Wire resistance	1.7	Ohm
Wire inductance	236	uH
Torque constant	0.023	N.M/A
Speed constant	2.4	v/krpm
Support mode (* Changes with firmware upgrade)		
Position mode	Position speed current three closed loop mode	
Speed mode	Speed closed loop mode	
Current(torque) mode	Torque closed loop mode	
Low speed mode	Use this mode for RPM below 10rpm	
Knob mode	Used to build smart knob	

Control Accuracy Parameter		
Maximum speed	7000	rpm
Minimum speed	0.5	rpm
Encoder type	Single turn absolute value	
Encoder resolution	12	bit
Repeated positioning accuracy	±0.1	°
Absolute accuracy	±0.1	°
Rate of speed change	<±1	%
Speed resolution	0.2	Hz
Dynamic Parameter		
Rotor inertia	2.081	kg·mm ²
Bearing type	MR117	
Bearing accuracy	P5	
Cr	0.451	kN
COr	0.206	kN
Working temperature range	5~50	°C
Noise	<50	dB
Interface Parameter		
Number of interface	3	
Control interface	CAN	
Configuration interface	TTL	

Note:

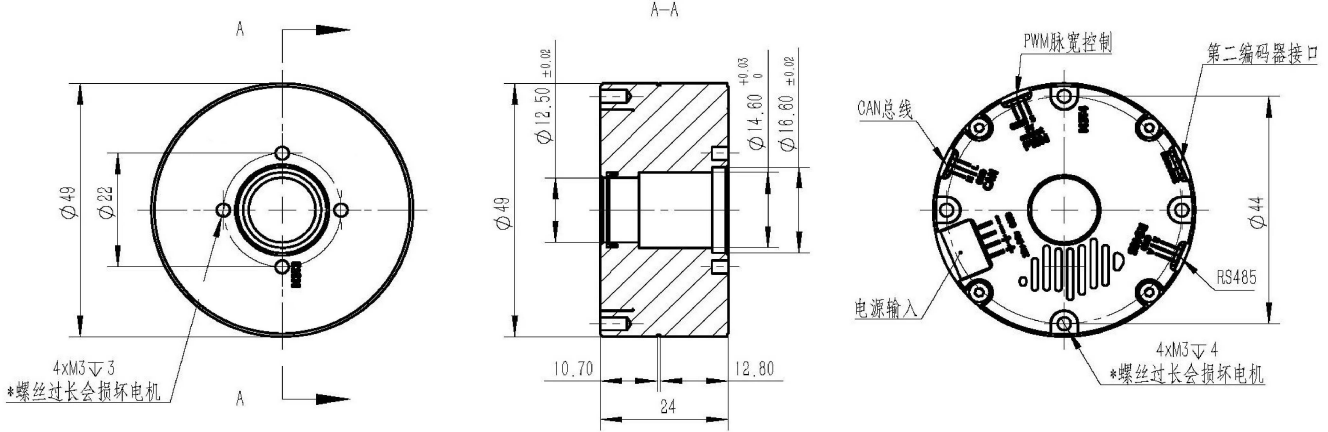
1. It is forbidden to disassemble the motor without permission;
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3. The motor is not allowed to suddenly block during high speed operation;
4. Overpressure is prohibited;
5. Timely monitoring of motor temperature, by reducing power or increasing heat dissipation, so that the motor works in a reasonable temperature range;
6. Before loading the equipment, it is recommended to use our host computer to debug the same working condition;
7. Update firmware in time to obtain better motor performance.



Basic Parameter			Control Accuracy Parameter		
Motor type	Brushless servo motor		Maximum speed	3000	rpm
Voltage range	12~24	V	Minimum speed	0.01	rpm
Peak torque	0.22	N.M	Encoder type	Single turn absolute value	
Rated torque	0.08	N.M	Encoder resolution	16	bit
Peak current	2.5	A	Repeated positioning accuracy	±0.006	°
Continuous current	<0.7	A	Absolute accuracy	±0.006	°
Instantaneous power	60	W	Rate of speed change	<±0.5	%
Rated power	16.8	W	Speed resolution	0.0001	Hz
Outer diameter	40	mm	Dynamic Parameter		
Minimum inner diameter	11	mm	Rotor inertia	10.95	kg·mm ²
Height	24	mm	Bearing type	6702	
Weight	81.8	g	Bearing accuracy	P5	
Motor Parameter			Cr	0.94	kN
Number of pole pairs	14	Pair	COr	0.585	kN
Wire resistance	2.27	Ohm	Working temperature range	5~50	°C
Wire inductance	372.6	uH	Noise	<50	dB
Torque constant	0.076	N.M/A	Interface Parameter		
Speed constant	8	v/krpm	Number of interface	4	
Support mode (* Changes with firmware upgrade)			Control interface	CAN&CAN FD	
Position mode	Position speed current three closed loop mode		Configuration interface	TTL	
Speed mode	Speed closed loop mode		The secondary encoder interface	Only support our hollow encoder module	
Current(torque) mode	Torque closed loop mode				

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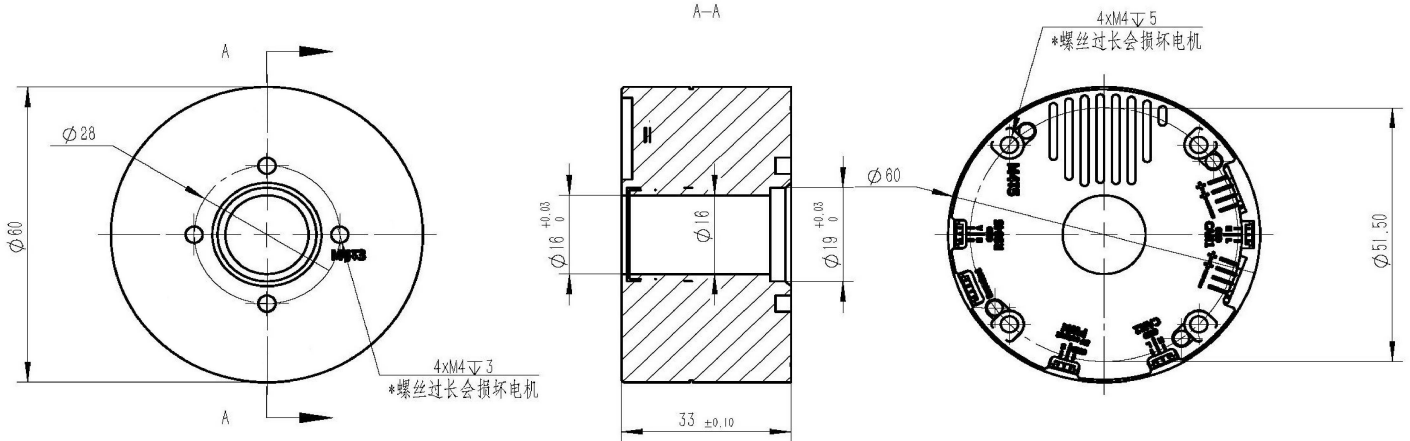


Basic Parameter		
Motor type	Brushless servo motor	
Voltage range	12~24	V
Peak torque	0.45	N.M
Rated torque	0.15	N.M
Peak current	6	A
Continuous current	<1	A
Instantaneous power	144	W
Rated power	24	W
Outer diameter	49	mm
Minimum inner diameter	12.5	mm
Height	24	mm
Weight	115	g
Motor Parameter		
Number of pole pairs	14	Pair
Wire resistance	0.86	Ohm
Wire inductance	300	uH
Torque constant	0.076	N.M/A
Speed constant	8	v/krpm
Support mode (* Changes with firmware upgrade)		
Position mode	Position speed current three closed	
Speed mode	Speed closed loop mode	
Current(torque) mode	Torque closed loop mode	

Control Accuracy Parameter		
Maximum speed	2700	rpm
Minimum speed	0.01	rpm
Encoder type	Single turn absolute value	
Encoder resolution	16	bit
Repeated positioning accuracy	±0.006	°
Absolute accuracy	±0.006	°
Rate of speed change	<±0.5	%
Speed resolution	0.0001	Hz
Dynamic Parameter		
Rotor inertia	20.52	kg·mm ²
Bearing type	6703	
Bearing accuracy	P5	
Cr	1	kN
COr	0.66	kN
Working temperature range	5~50	°C
Noise	<50	dB
Interface Parameter		
Number of interface	5	
Control interface ①	CAN&CAN FD	
Control interface ②	PWM	
Configuration interface	RS485	
The secondary encoder interface	Only support our hollow encoder module	

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7. Update firmware in time to obtain better motor performance.



Basic Parameter

Motor type	Brushless servo motor	
Voltage range	12~24	V
Peak torque	1	N.M
Rated torque	0.4	N.M
Peak current	6	A
Continuous current	1.5	A
Instantaneous power	144	W
Rated power	36	W
Outer diameter	60	mm
Minimum inner diameter	16	mm
Height	33	mm
Weight	290	g

Motor Parameter

Number of pole pairs	14	Pair
Wire resistance	1.35	Ohm
Wire inductance	800	uH
Torque constant	0.21	N.M/A
Speed constant	21.8	v/krpm

Support mode (* Changes with firmware upgrade)

Position mode	Position speed current three closed
Speed mode	Speed closed loop mode
Current(torque) mode	Torque closed loop mode

Control Accuracy Parameter

Maximum speed	1000	rpm
Minimum speed	0.01	rpm
Encoder type	Single turn absolute value	
Encoder resolution	16	bit
Repeated positioning accuracy	± 0.006	°
Absolute accuracy	± 0.006	°
Rate of speed change	$< \pm 0.5$	%
Speed resolution	0.0001	Hz

Dynamic Parameter

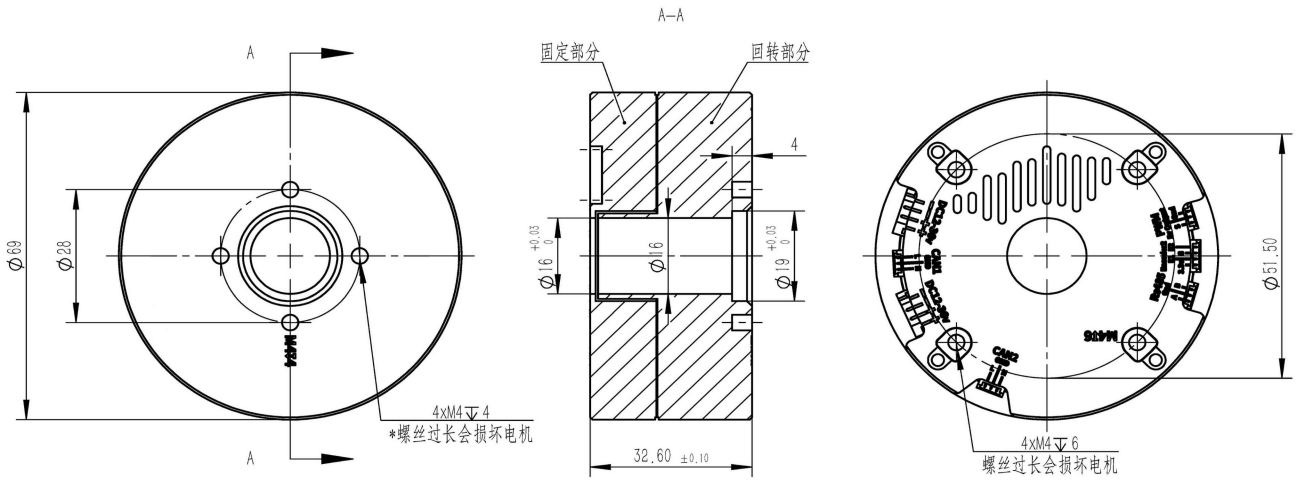
Rotor inertia	59.7	kg·mm ²
Bearing type	71804AC	
Bearing accuracy	P5	
Cr	3.6	kN
COr	2.5	kN
Working temperature range	5~50	°C
Noise	<50	dB

Interface Parameter

Number of interface	7	
Control interface ①	CAN&CAN FD	
Control interface ②	PWM	
Configuration interface	RS485	
The secondary encoder interface	Only support our hollow encoder module	

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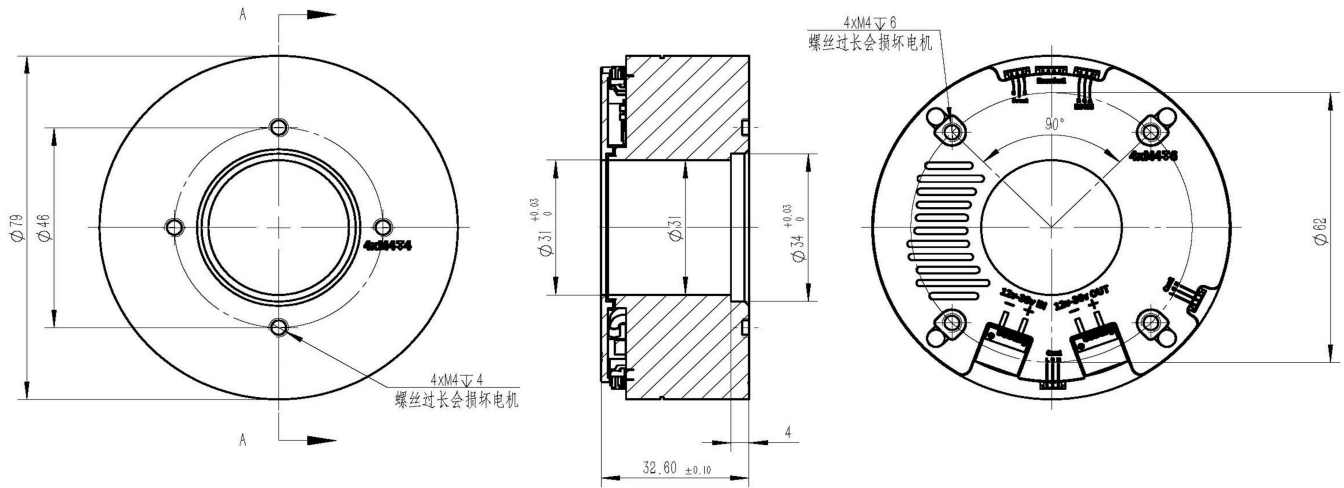


Basic Parameter		
Motor type	Brushless servo motor	
Voltage range	12~36	V
Peak torque	1.8	N.M
Rated torque	0.55	N.M
Peak current	8	A
Continuous current	2	A
Instantaneous power	288	W
Rated power	72	W
Outer diameter	69	mm
Minimum inner diameter	16	mm
Height	32.6	mm
Weight	360	g
Motor Parameter		
Number of pole pairs	14	Pair
Wire resistance	0.85	Ohm
Wire inductance	620	uH
Torque constant	0.23	N.M/A
Speed constant	24	v/krpm
Support mode (* Changes with firmware upgrade)		
Position mode	Position speed current three closed	
Speed mode	Speed closed loop mode	
Current(torque) mode	Torque closed loop mode	

Control Accuracy Parameter		
Maximum speed	1500	rpm
Minimum speed	0.01	rpm
Encoder type	Single turn absolute value	
Encoder resolution	16	bit
Repeated positioning accuracy	±0.006	°
Absolute accuracy	±0.006	°
Rate of speed change	<±0.5	%
Speed resolution	0.0001	Hz
Dynamic Parameter		
Rotor inertia	113.5	kg·mm ²
Bearing type	71804AC	
Bearing accuracy	P5	
Cr	3.6	kN
COr	2.5	kN
Working temperature range	5~50	°C
Noise	<50	dB
Interface Parameter		
Number of interface	7	
Control interface ①	CAN&CAN FD	
Control interface ②	PWM	
Configuration interface	RS485	
The secondary encoder interface	Access our hollow encoder module, and pulse output	

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7. Update firmware in time to obtain better motor performance.



Basic Parameter

Motor type	Brushless servo motor	
Voltage range	12~36	V
Peak torque	2.5	N.M
Rated torque	1	N.M
Peak current	10	A
Continuous current	<1.5	A
Instantaneous power	360	W
Rated power	54	W
Outer diameter	79	mm
Minimum inner diameter	31	mm
Height	32.6	mm
Weight	420	g

Motor Parameter

Number of pole pairs	21	Pair
Wire resistance	2	Ohm
Wire inductance	1000	uH
Torque constant	0.23	N.M/A
Speed constant	24	v/krpm

Support mode (* Changes with firmware upgrade)

Position mode	Position speed current three closed
Speed mode	Speed closed loop mode
Current(torque) mode	Torque closed loop mode

Control Accuracy Parameter

Maximum speed	800	rpm
Minimum speed	0.01	rpm
Encoder type	Single turn absolute value	
Encoder resolution	20	bit
Repeated positioning accuracy	±0.004	°
Absolute accuracy	±0.004	°
Rate of speed change	<±0.5	%
Speed resolution	0.0001	Hz

Dynamic Parameter

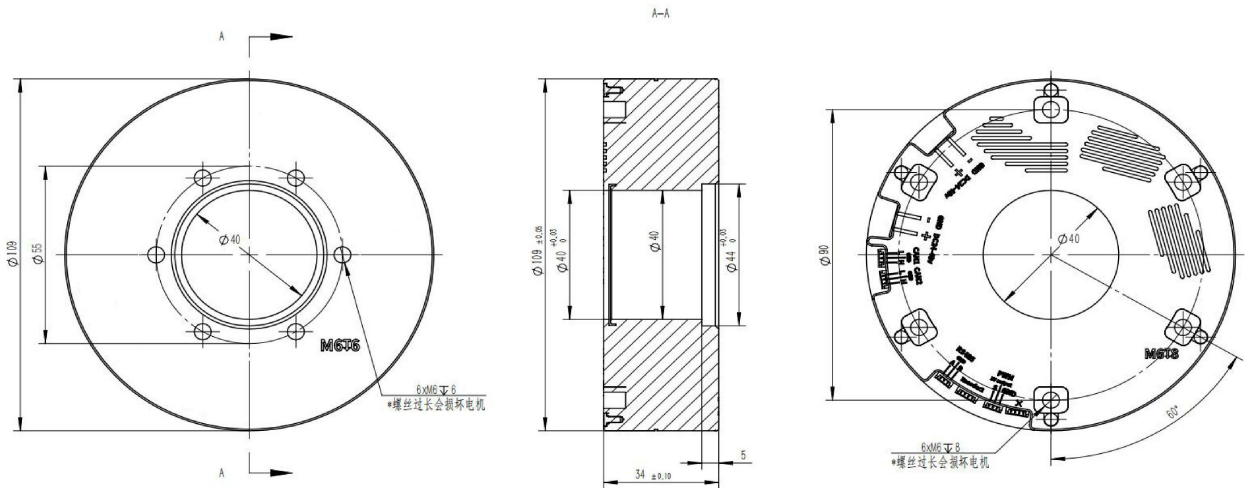
Rotor inertia	174.4	kg·mm ²
Bearing type	61807	
Bearing accuracy	P5	
Cr	4.55	kN
COr	3.6	kN
Working temperature range	5~50	°C
Noise	<50	dB

Interface Parameter

Number of interface	7	
Control interface ①	CAN FD	
Control interface ②	PWM	
Configuration interface	RS485	
The secondary encoder interface	Only support our hollow encoder module	

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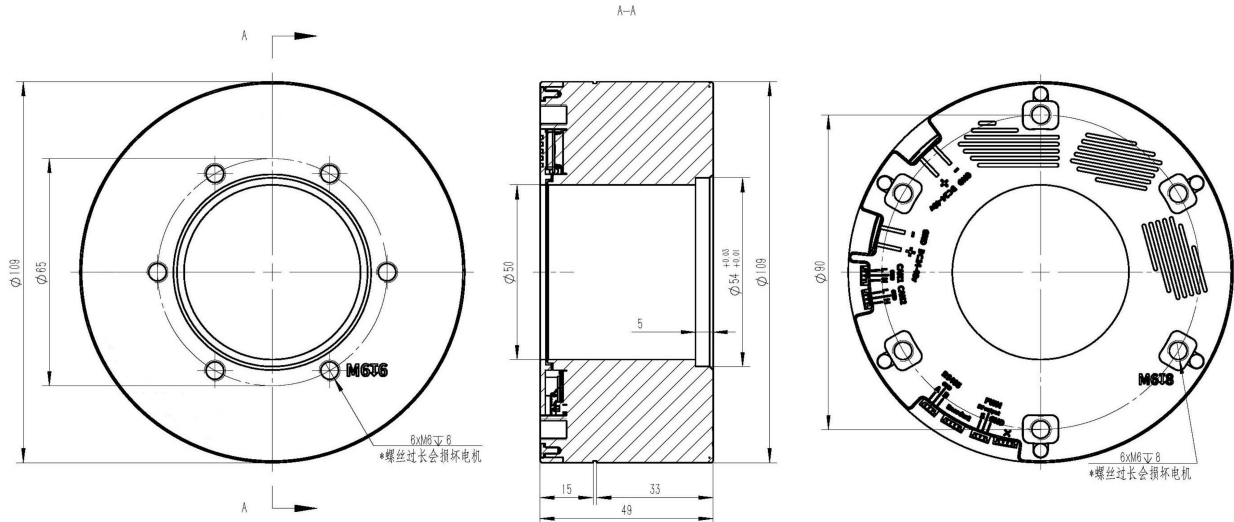
Basic Parameter		
Motor type	Brushless servo motor	
Voltage range	24~48	V
Peak torque	7	N.M
Rated torque	1.8	N.M
Peak current	8	A
Continuous current	2	A
Instantaneous power	500	W
Rated power	100	W
Outer diameter	109	mm
Minimum inner diameter	40	mm
Height	34	mm
Weight	767	g
Motor Parameter		
Number of pole pairs	21	Pair
Wire resistance	0.57	Ohm
Wire inductance	275	uH
Torque constant	0.25	N.M/A
Speed constant	32	v/krpm
Support mode (* Changes with firmware upgrade)		
Position mode	Position speed current three closed	
Speed mode	Speed closed loop mode	
Current(torque) mode	Torque closed loop mode	

Control Accuracy Parameter		
Maximum speed	1400 ①	rpm
Minimum speed	0.01	rpm
Encoder type	Single turn absolute value	
Encoder resolution	20	bit
Repeated positioning accuracy	±0.004	°
Absolute accuracy	±0.004	°
Rate of speed change	<±0.5	%
Speed resolution	0.0001	Hz
Dynamic Parameter		
Rotor inertia	630	kg·mm ²
Bearing type	RB4510UU	cross roller
Bearing accuracy	P5	
Cr	8.62	kN
C0r	11.3	kN
Working temperature range	5~50	°C
Noise	<50	dB
Interface Parameter		
Number of interface	7	
Control interface ①	CAN FD	
Control interface ②	PWM	
Configuration interface	RS485	
The secondary encoder interface	Only support our hollow encoder module	

① The motor uses the cross roller bearing. The conventional speed needs to be less than 200rpm, and the stability and life of the motor cannot be guaranteed at a speed higher than 200rpm.

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Basic Parameter

Motor type	Brushless servo motor	
Voltage range	24~48	V
Peak torque	15	N.M
Rated torque	4	N.M
Peak current	40	A
Continuous current	<8	A
Instantaneous power	1900	W
Rated power	384	W
Outer diameter	109	mm
Minimum inner diameter	50	mm
Height	49	mm
Weight	1130	g

Motor Parameter

Number of pole pairs	21	Pair
Wire resistance	0.51	Ohm
Wire inductance	280	uH
Torque constant	0.375	N.M/A
Speed constant	43.63	v/krpm

Support mode (* Changes with firmware upgrade)

Position mode	Position speed current three closed
Speed mode	Speed closed loop mode
Current(torque) mode	Torque closed loop mode

Control Accuracy Parameter

Maximum speed	1000	rpm
Minimum speed	0.01	rpm
Encoder type	Single turn absolute value	
Encoder resolution	20	bit
Repeated positioning accuracy	±0.004	°
Absolute accuracy	±0.004	°
Rate of speed change	<±0.5	%
Speed resolution	0.0001	Hz

Dynamic Parameter

Rotor inertia	946.6	kg·mm ²
Bearing type	6811ZZ	
Bearing accuracy	P5	
Cr	8.8	kN
C0r	8.1	kN
Working temperature range	5~50	°C
Noise	<50	dB

Interface Parameter

Number of interface	7	
Control interface ①	CAN FD	
Control interface ②	PWM	
Configuration interface	RS485	
The secondary encoder interface	Only support our hollow encoder module	

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