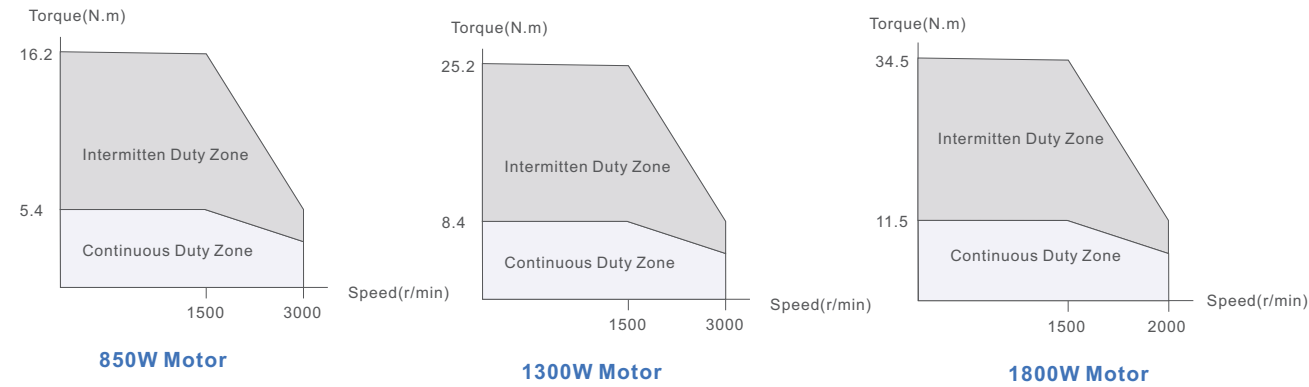


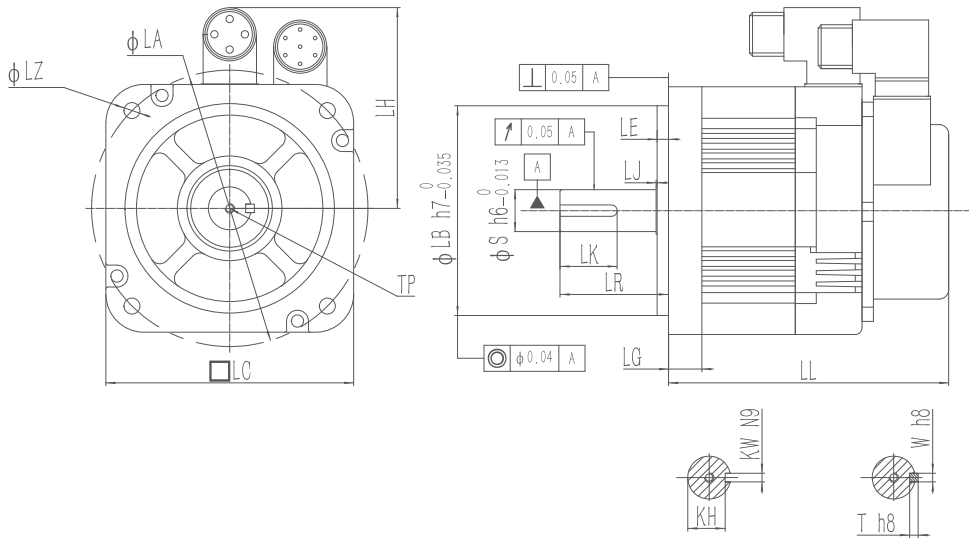
ELM2 Model		ELM2H-0850LD130E-HD	ELM2H-1300LD130E-HD	ELM2H-1800LD130E-HD
		ELM2H-0850LD130F-HD	ELM2H-1300LD130F-HD	ELM2H-1800LD130F-HD
Frame Size[mm]		130	130	130
Rated Power[W]		850	1300	1800
Rated Voltage[VAC]		220		
Rated Torque[Nm]		5.4	8.4	11.5
Peak Torque[Nm]		16.2	25.2	34.5
Rated Current[Arms]		6.5	9.5	9.0
Peak Current[Arms]		19.5	28.5	28.4
Rated Speed[r/min]		1500	1500	1500
Peak Speed[r/min]		3000	3000	2000
Inertia [kgm ² *10 ⁻⁴]	Without Brake	13.88	20.59	23.69
	With Brake	15.78	22.26	25.36
Weight (kg)	Without Brake	5.6	7.5	8.1
	With Brake	6.9	8.8	9.4
Permissible Load to Shaft (N)	Radial	490	490	490
	Axial	196	196	196
Encoder Type		23bit optical multi-turn		
Plug Type		Aviation connector-HD		
Matching Cable	Motor Cable	CABLE-RZ*M*-HD(V2.0)		
	Encoder Cable	Absolute: CABLE-7BMA*M*-HD(V3.0) Incremental: CABLE-7BM*M*-HD(V3.0)		
	Brake Cable	CABLE-SC*M*-HD(V3.0)		
Matching Drive	Priority	EL7-**1000* EL8-**1000*	EL7-**1500*	EL7-**2000*
	Optional	EL6-**1000*	EL8-**1500*	EL8-**2000*

Motor Model	LL	LC	LR	LA	LZ	LH	LG	LE	LJ	S	LB	TP	LK	KH	kW	W	T
ELM2H-0850LD130F-HD	147	130	57	145	8.5	106	17.5	6	0.5	19	110	M5X12	30	16	5	5	5
ELM2H-0850LD130E-HD	172	130	57	145	8.5	106	17.5	6	0.5	19	110	M5X12	30	16	5	5	5
ELM2H-1300LD130F-HD	168	130	57	145	8.5	106	17.5	6	0.5	22	110	M5X12	30	18.5	6	6	6
ELM2H-1300LD130E-HD	192	130	57	145	8.5	106	17.5	6	0.5	22	110	M5X12	30	18.5	6	6	6
ELM2H-1800LD130F-HD	195	130	57	145	8.5	106	17.5	6	0.5	24	110	M5X15	30	19	8	8	8
ELM2H-1800LD130E-HD	219	130	57	145	8.5	106	17.5	6	0.5	24	110	M5X15	30	19	8	8	8

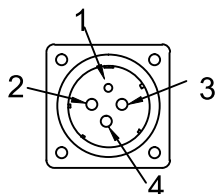
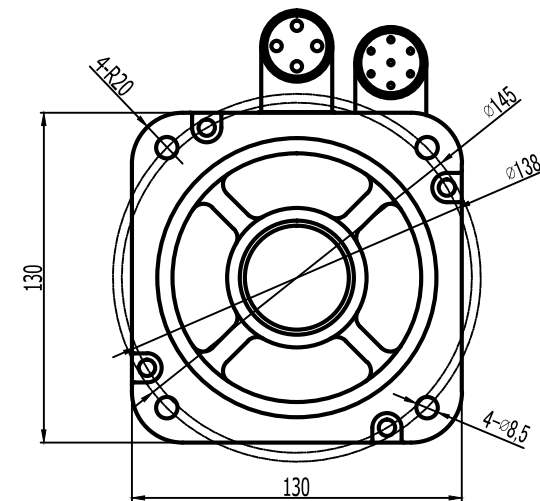
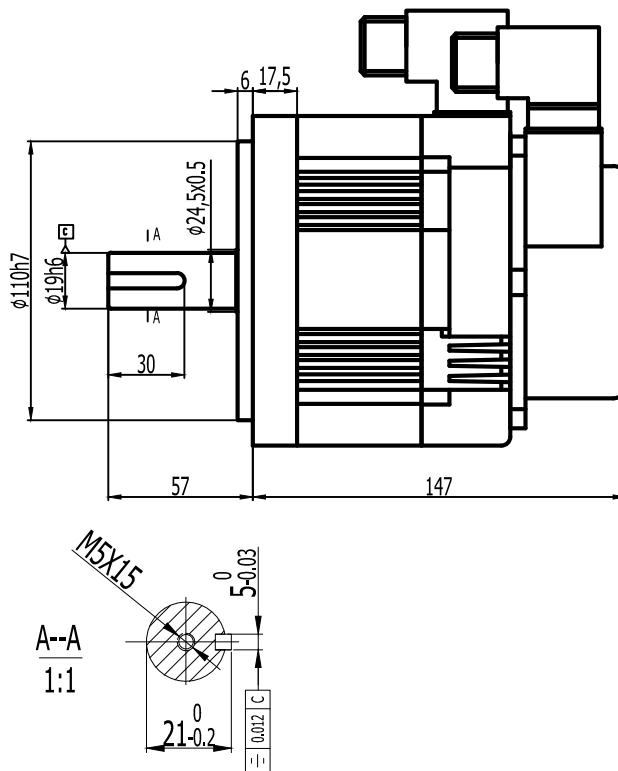
Speed - Torque characteristics



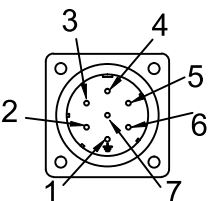
Dimensions



Rated Voltage (Vac)	200-220
Rated Power (w)	850
Rated Torque (N.m)	5.4
Peak Torque (N.m)	16.2
Rated Speed (rpm)	1500
Peak Speed (rpm)	3000
Rated Current (Amp)	6.5
Peak Current (Amp)	19.5
Torque Const (N.m/Amp)	0.84
Back EMF Const (V/krpm)	64
Resistance (Ω)	1.1±10%
Inductance (mH)	5.2±20%
Inertia (kg*m ² *10 ⁻⁴)	13.88
Poles	10
Encoder type	23bit absolute
IP rating	IP65
Mass (Kg)	5.6



Wiring details of Power cable connector				
Pos	1	2	3	4
Signal	PE	U	V	W



Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	BAT+	BAT-	SD-	0V	SD+	5V

Connector Code Of Extension Cable Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4P	SC-HM23-7P	-

Connector Code Of Motor Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4S	SC-HM23-7S	-

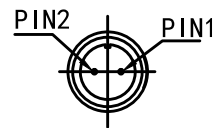
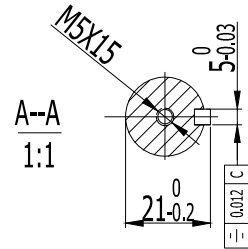
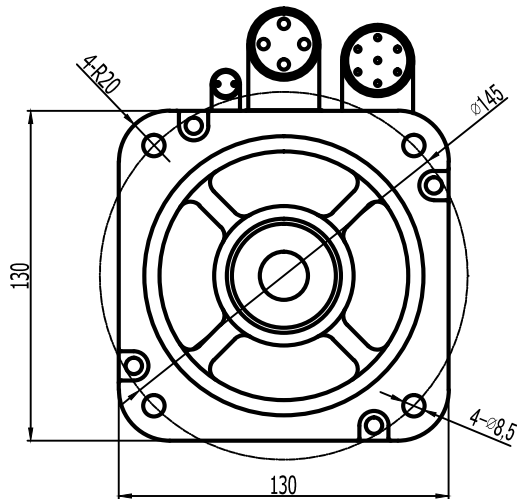
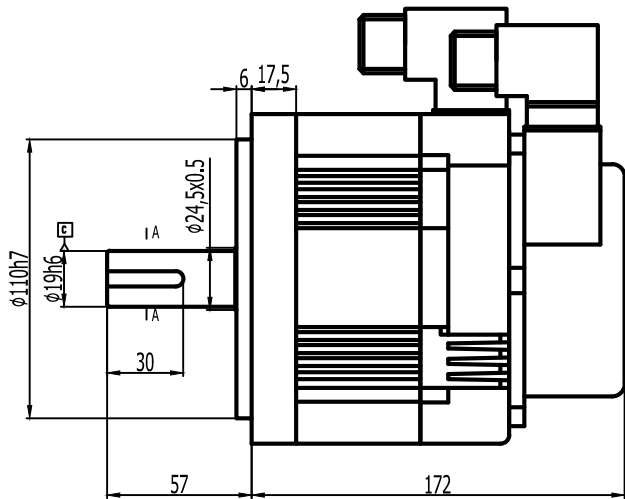
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ELM2H-0850LD130F-HD

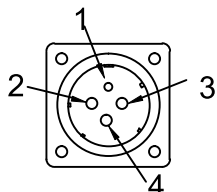
130mm , high inertia , 850w servo motor
23bit multi-turn absolute encoder , no brake

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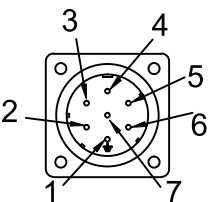
Rated Voltage (Vac)	200-220
Rated Power (w)	850
Rated Torque (N.m)	5.4
Peak Torque (N.m)	16.2
Rated Speed (rpm)	1500
Peak Speed (rpm)	3000
Rated Current (Amp)	6.5
Peak Current (Amp)	19.5
Torque Const (N.m/Amp)	0.84
Back EMF Const (V/krpm)	64
Resistance (Ω)	1.1±10%
Inductance (mH)	5.2±20%
Inertia (kg*m ² *10 ⁻⁴)	15.78
Poles	10
Encoder type	23bit absolute
IP rating	IP65
Mass (Kg)	6.9



Wring details of Brake cable connector		
Pos	1	2
Signal	0V	24V



Wiring details of Power cable connector				
Pos	1	2	3	4
Signal	PE	U	V	W



Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	BAT+	BAT-	SD-	0V	SD+	5V

Connector Code Of Extension Cable Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4P	SC-HM23-7P	SC-HM23-2G

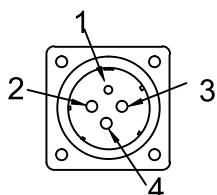
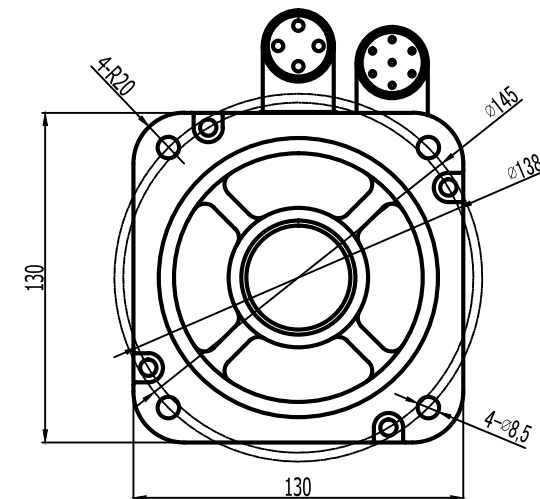
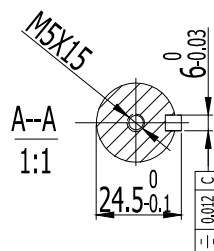
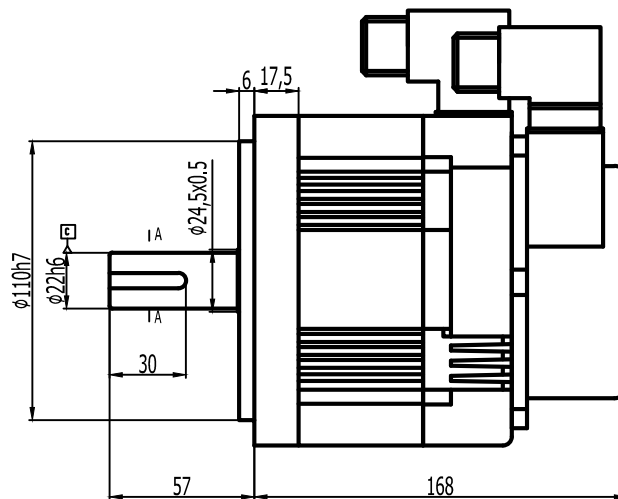
Connector Code Of Motor Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4S	SC-HM23-7S	SC-HM23-2S

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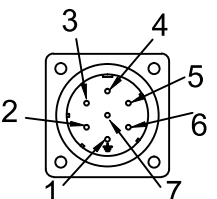
ELM2H-0850LD130E-HD

130mm , high inertia , 850w servo motor
23bit multi-turn absolute encoder , brake

Rated Voltage (Vac)	200-220
Rated Power (w)	1300
Rated Torque (N.m)	8.4
Peak Torque (N.m)	25.2
Rated Speed (rpm)	1500
Peak Speed (rpm)	3000
Rated Current (Amp)	9.5
Peak Current (Amp)	28.5
Torque Const (N.m/Amp)	0.88
Back EMF Const (V/krpm)	62.5
Resistance (Ω)	0.56±10%
Inductance (mH)	3.4±20%
Inertia (kg*m ² *10 ⁻⁴)	20.59
Poles	10
Encoder type	23bit absolute
IP rating	IP65
Mass (Kg)	7.5



Wiring details of Power cable connector				
Pos	1	2	3	4
Signal	PE	U	V	W



Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	BAT+	BAT-	SD-	0V	SD+	5V

Connector Code Of Extension Cable Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4P	SC-HM23-7P	-

Connector Code Of Motor Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4S	SC-HM23-7S	-

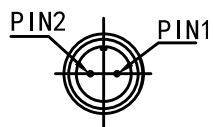
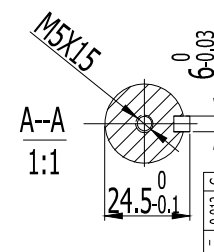
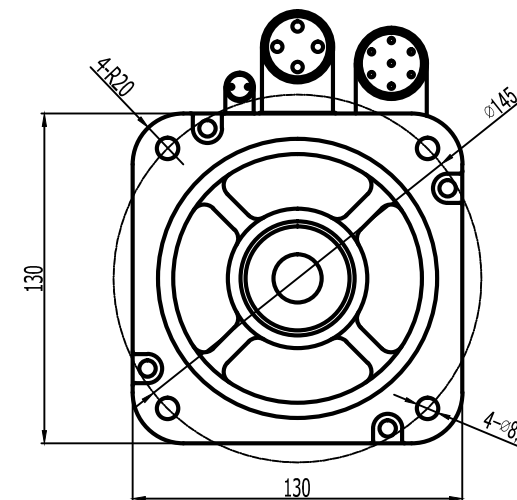
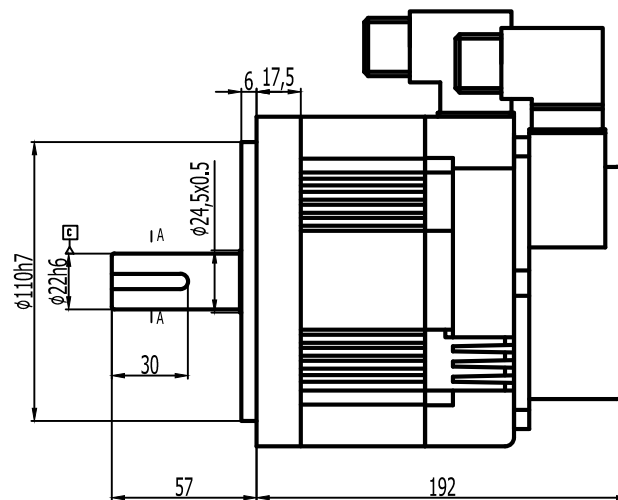
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ELM2H-1300LD130F-HD

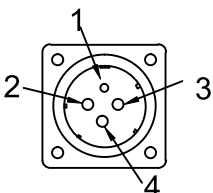
130mm , high inertia , 1300w servo motor
23bit multi-turn absolute encoder , no brake

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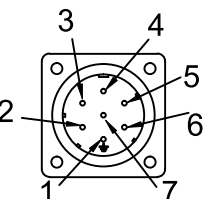
Rated Voltage (Vac)	200-220
Rated Power (w)	1300
Rated Torque (N.m)	8.4
Peak Torque (N.m)	25.2
Rated Speed (rpm)	1500
Peak Speed (rpm)	3000
Rated Current (Amp)	9.5
Peak Current (Amp)	28.5
Torque Const (N.m/Amp)	0.88
Back EMF Const (V/krpm)	62.5
Resistance (Ω)	0.56±10%
Inductance (mH)	3.4±20%
Inertia (kg*m ² *10 ⁻⁴)	22.26
Poles	10
Encoder type	23bit absolute
IP rating	IP65
Mass (Kg)	8.8



Wiring details of Brake cable connector		
Pos	1	2
Signal	0V	24V



Wiring details of Power cable connector				
Pos	1	2	3	4
Signal	PE	U	V	W



Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	BAT+	BAT-	SD-	0V	SD+	5V

Connector Code Of Extension Cable Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4P	SC-HM23-7P	SC-HM23-2G

Connector Code Of Motor Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4S	SC-HM23-7S	SC-HM23-2S

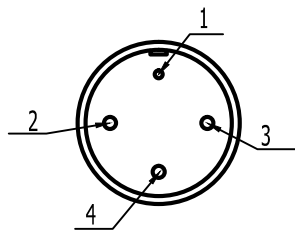
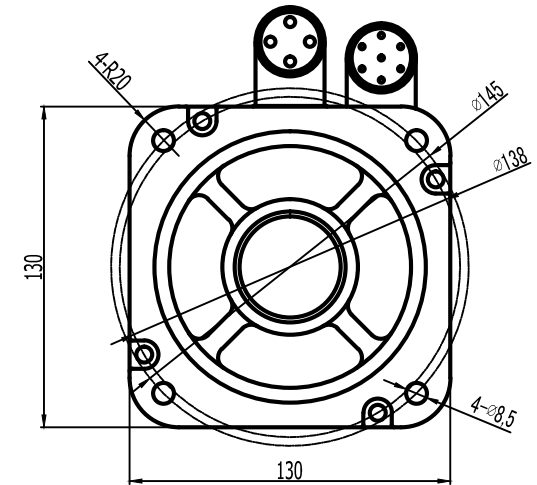
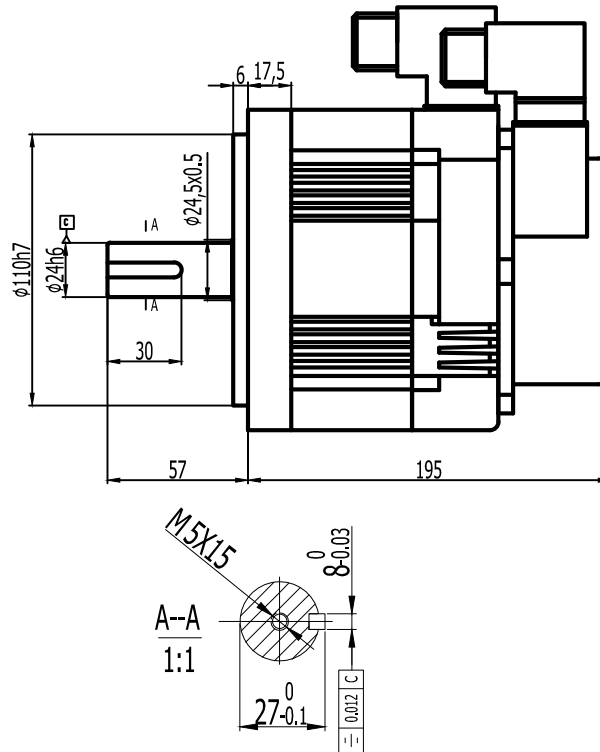
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ELM2H-1300LD130E-HD

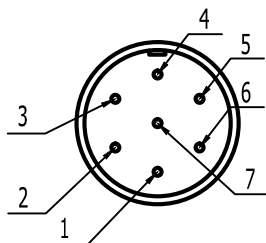
130mm , high inertia , 1300w servo motor
23bit multi-turn absolute encoder , brake

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Rated Voltage (Vac)	200-220
Rated Power (w)	1800
Rated Torque (N.m)	11.5
Peak Torque (N.m)	34.5
Rated Speed (rpm)	1500
Peak Speed (rpm)	2000
Rated Current (Amp)	9.0
Peak Current (Amp)	28.4
Torque Const (N.m/Amp)	1.28
Back EMF Const (V/krpm)	89
Resistance (Ω)	0.81±10%
Inductance (mH)	4.6±20%
Inertia (kg*m ² *10 ⁻⁴)	23.69
Poles	10
Encoder type	23bit absolute
IP rating	IP65
Mass (Kg)	9.4



Wiring details of Power cable connector				
Pos	1	2	3	4
Signal	PE	U	V	W



Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	BAT+	BAT-	SD-	0V	SD+	5V

Connector Code Of Extension Cable Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4P	SC-HM23-7P	-

Connector Code Of Motor Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4S	SC-HM23-7S	-

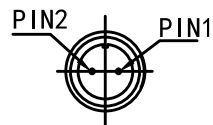
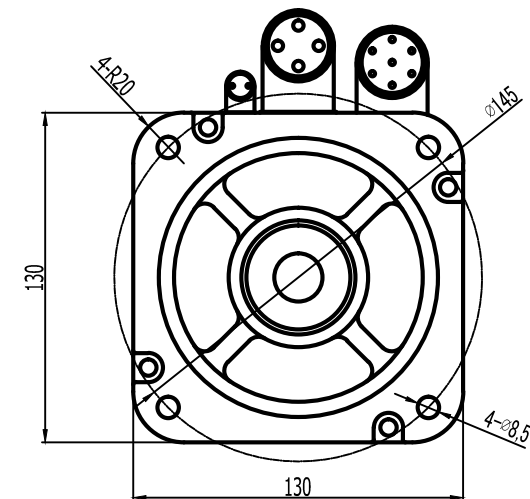
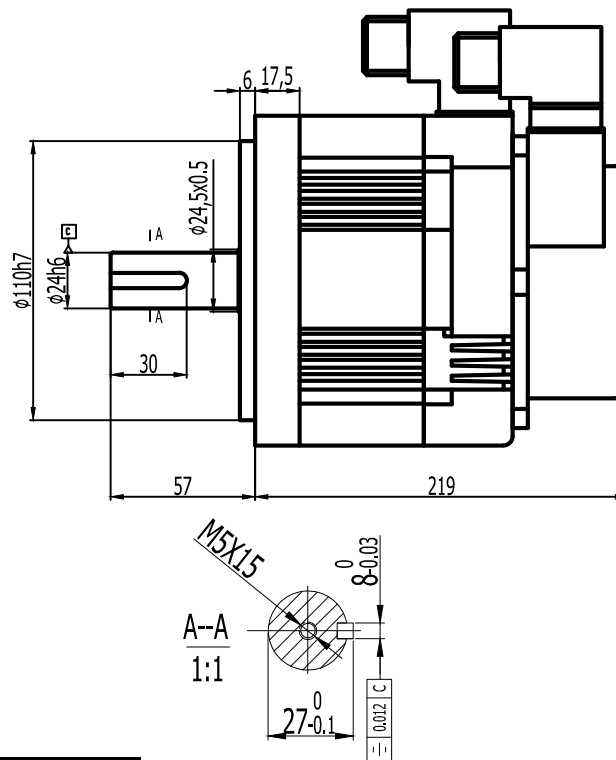
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ELM2H-1800LD130F-HD

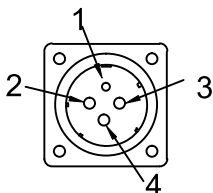
130mm , high inertia , 1800w servo motor
23bit multi-turn absolute encoder , no brake

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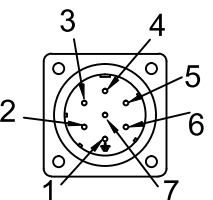
Rated Voltage (Vac)	200-220
Rated Power (w)	1800
Rated Torque (N.m)	11.5
Peak Torque (N.m)	34.5
Rated Speed (rpm)	1500
Peak Speed (rpm)	2000
Rated Current (Amp)	9.0
Peak Current (Amp)	28.4
Torque Const (N.m/Amp)	1.28
Back EMF Const (V/krpm)	89
Resistance (Ω)	0.81±10%
Inductance (mH)	4.6±20%
Inertia (kg*m ² *10 ⁻⁴)	25.36
Poles	10
Encoder type	23bit absolute
IP rating	IP65
Mass (Kg)	9.4



Wiring details of Brake cable connector		
Pos	1	2
Signal	0V	24V



Wiring details of Power cable connector				
Pos	1	2	3	4
Signal	PE	U	V	W



Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	BAT+	BAT-	SD-	0V	SD+	5V

Connector Code Of Extension Cable Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4P	SC-HM23-7P	SC-HM23-2G

Connector Code Of Motor Side			
Type	Winding Connector	Encoder Connector	Brake Connector
Connector	SC-HM23-4S	SC-HM23-7S	SC-HM23-2S

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ELM2H-1800LD130E-HD

130mm , high inertia , 1800w servo motor
23bit multi-turn absolute encoder , brake

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