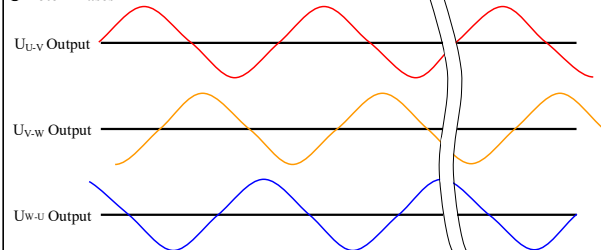


Motor Specifications

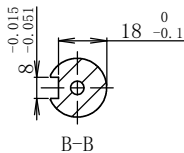
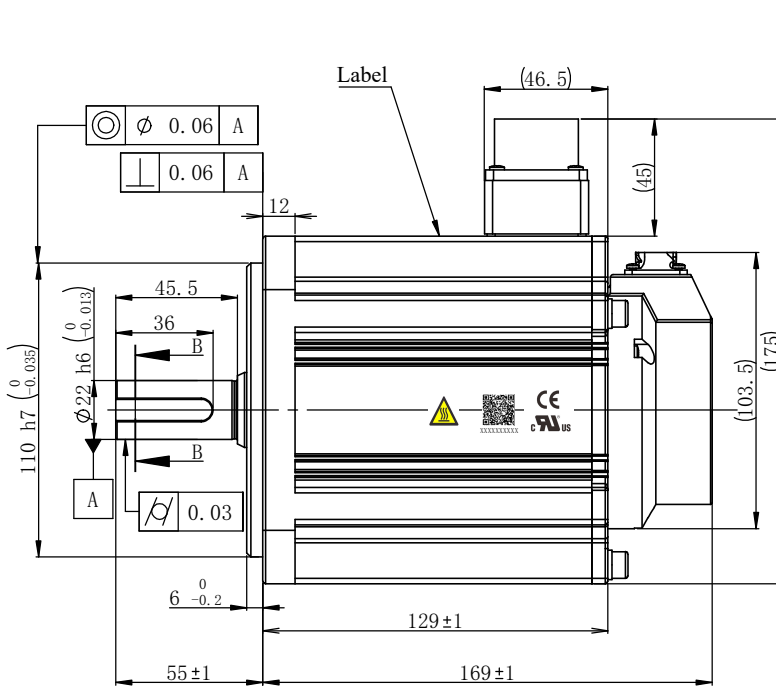
1	Drive Input from Power Supply		208~240VAC
2	Basic DC Bus Voltage	V (DC)	320V
3	Rated Output Power	Watts	1800
4	Rated Speed	rpm	1500
5	Max. Mechanical Speed	rpm	3000
6	Rated Torque	Nm	11.5
7	Continuous Stall Torque	Nm	12.7
8	Peak Torque	Nm	34.5
9	Rated Current	A (rms)	15
10	Continuous Stall Current	A (rms)	15
11	Peak Current	A (rms)	45.5
12	Voltage Constant ±10%	V(rms)/K rpm	54
13	Torque Constant ±10%	Nm/A(rms)	0.77
14	Winding Resistance (Line-Line) ±10%	Ohm @20°C	0.36
15	Winding Inductance (Line-Line) ±20%	mH	3
16	Inertia	kg m ²	0.00244
17	Thermal Resistance (mounted)	°C / W	1
18	Thermal Time Constant	Minutes	45 Min
19	Heat Sink Size (Iron)	mm	400×400×20
20	Shaft Load - Axial	N (max.)	396N / 88.9 Lbf
21	Shaft Load - Radial (End of Shaft)	N (max.)	980 N / 220 Lbf
22	Weight	kg	9.1 kg / 20.1 Lb
23	Approvals	cULus, CE, RoHS	
24	Encoder Resolution & Protocol	23bit Absolute Multi-turn Nikon Protocol	
25	Encoder Type	Optical	
26	Insulation Class	F (155°C)	
27	IP rating	IP65 (except shaft through hole and cable end connector)	
28	Installation Location	Indoors, free from direct sunlight, corrosive gas, inflammable gas	
29	Ambient Temperature	Operating 0 to 40°C, Storage -20 to 80°C	
30	Ambient Humidity (max.)	85% (free from condensing)	
31	Altitude (max.)	1000 m	
32	Vibration Resistance	10-150Hz 49 m/s ²	
33	Rotor Poles	10	

Shaft Load: (L10 life, 20,000 hours, 2,000 RPM)

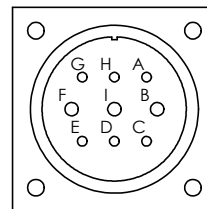
Motor Phases



All the timing logics are obtained in CCW rotation as viewed from front shaft.

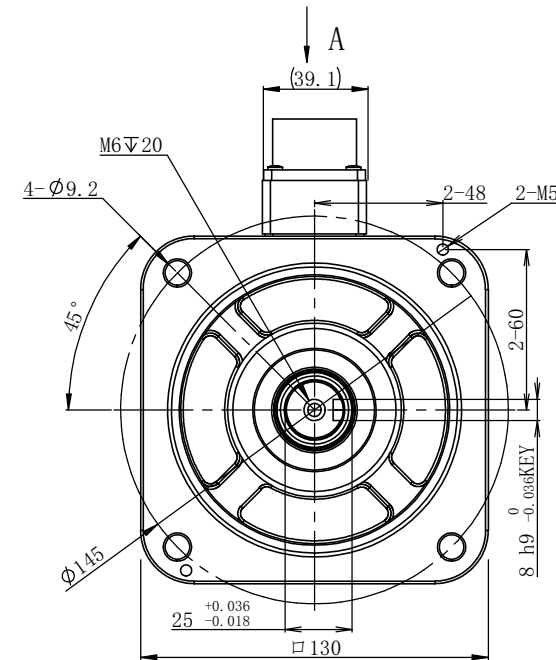


Motor Power Connector: XMS3102A20-18S(EUMACX)

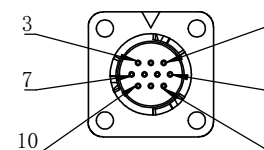


View A

Pin#	A	B	C	D	E
Signal	GND	W	N/C	N/C	N/C
Pin#	F	G	H	I	
Signal	U	N/C	N/C	V	



Encoder Connector: XM10-S10S-C(EUMACX)



View A

Pin#	1	2	3	4	5
Signal	5V	GND	SD-	SD+	Battery+
Pin#	6	7	8	9	10
Signal	Battery-	N/C	N/C	N/C	Shield

Notes:

1. A shaft seal is shipped with motor, but not installed.
2. A KEY is shipped with motor, but not installed.

Item Number
S0034

Unit: mm					
First Angle Method					
Tolerances for linear and angular dimensions without individual tolerance indications					
GB/T 1804-m eqv ISO 2768-1:m					
Geometrical tolerance for features without individual tolerance indications					
GB/T 1184-K eqv ISO 2768-2:K					
UNLESS OTHERWISE SPECIFIED					

AO	1			2023.11.29
REV	Sign	Quantity	ECN NO.	Date
Design			Technology	
Standard			Audit	
Check			Approve	
Marketing Dep	<input type="checkbox"/>		Date	



SM3H-134ATNUV		
4611170001548		
Stage	Quality	Scale
D		1:2
Sheet		1 of 1

Shanghai AMP & MOONS' Automation Co., Ltd