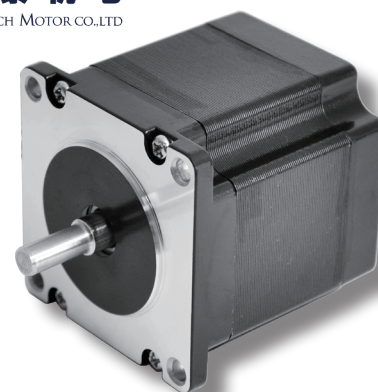


1.8°Size 23(Ø57mm)



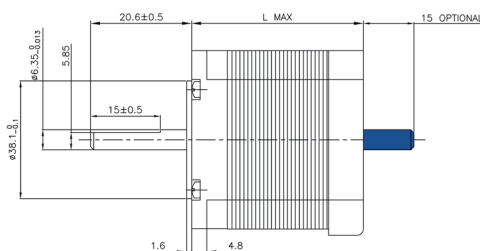
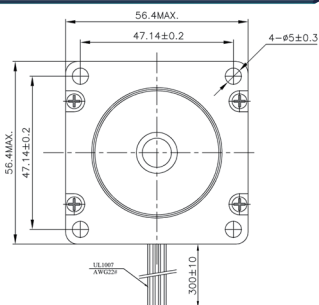
Item	Specifications
Step Angle	1.8°
Step Angle Accuracy	1.8°±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	85°C Max.(2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩMin. , 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)
Max. radial force	75N (20mm from the flange)
Max. axial force	15N

Dimension "L" Max	Model #	Rated Current (Amps/Phase)	Holding Torque (oz.in)	Holding Torque (kg.cm)	Resistance (Ohms/Phase)	Inductance (mH/Phase)	Inertia (g.cm²)	Detent Torque (g.cm)	Weight (kg)
41.0mm (1.62")	2301HS200A	2.00	84.0	6.0	1.10	3.4	120	210	0.45
	2301HS280A	2.80	84.0	6.0	0.70	1.4			
51.0mm (2.00")	2302HS200A	2.00	160.0	11.5	1.40	5.1	275	360	0.65
	2302HS280A	2.80	160.0	11.5	0.83	2.2			
56.0mm (2.20")	2303HS200A	2.00	175	12.6	1.40	5.1	300	400	0.72
	2303HS280A	2.80	175	12.6	0.90	2.5			
65.0mm (2.56")	2304HS250A	2.50	223	16	2	7.6	340	400	0.85
77.0mm (3.03")	2305HS280A	2.80	265	19.1	1.13	3.6	480	680	1.00

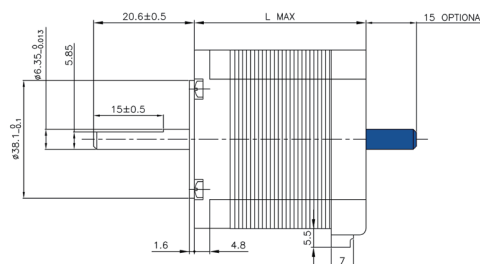
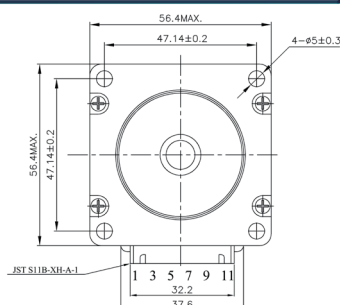
- 1) The 10th character "A" denotes a single shaft. All the motors have dual shaft optional and "B" denotes a dual shaft. All shafts have a flat unless otherwise noted.
- 2) All these motors are bipolar and 4 wires construction. We also can provide 6 wires construction.
- 3) All these motors are 1.8°/step and also have 0.9°/step optional.



DIMENSIONS (STANDARD WIRE MOTOR)



DIMENSIONS (INTEGRAL CONNECTOR)



AVAILABLE OPTIONS

- Custom Winding: We can help calculate speed & torque creating a winding that is specific to your application at no extra cost.
- Shaft and Cables Modifications are also available. Please contact Motech Motor for more details.