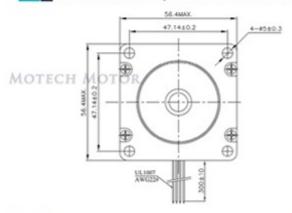
1.8°Size 23(57mm)

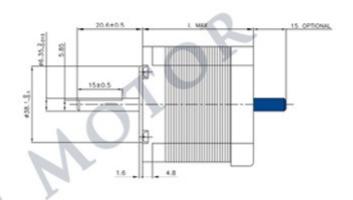


Item	Specifications				
Step Angle	1.8				
Step Angle Accuracy	1.8 ±5% (full step, no load)				
Resistance Accuracy	±10%				
Inductance Accuracy	±20%				
Temperature Rise	85 C Max.(2 phase on)				
Ambient Temperature	-20 C~+50 C				
Insulation Resistance	100MΩMin., 500VDC				
Dielectric Strength	500VAC 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	Model #	Rated Current	Holding Torque	Holding Torque	Resistance	Inductance	Inertia	Detent Torque	Weight
"L" Max		(Amps/Phase)	(oz.in)	(kg.cm)	(Ohms/Phase)	(mH/Phase)	(g.cm ²)	(g.cm)	(kg)
41.0mm	2301HS200A	2.00	84.0	6.0	1.10	3.4	120	210	0.45
(1.62")	2301HS280A	2.80	84.0	6.0	0.70	1.4			
51.0mm	2302HS200A	2.00	160.0	11.5	1.40	5.1	275	360	0.65
(2.00")	2302HS280A	2.80	160.0	11.5	0.83	2.2			
56.0mm	2303HS200A	2.00	175.0	12.6	1.40	5.1	300	400	0.72
(2.20")	2303HS280A	2.80	175.0	12.6	0.90	2.5	300		
65.0mm (2.56")	2304HS250A	2.50	223.0	16.0	2.00	7.6	340	400	0.85
77.0mm (3.03")	2305HS280A	2.80	265.0	19.1	1.13	3.6	480	680	1.00

DIMENSIONS (STANDARD WIRE MOTOR)





DIMENSIONS (INTEGRAL CONNECTOR)

* Only for Current smaller or equal to 2.0A/phase

