

MS08HY Series: 1.8° - Size 8



- Phases 2
- Steps / Revolution 200
- Step Accuracy $\pm 5\%$
- Shaft Load (20,000 Hours at 1000 RPM)
 - Axial 6 N (1.3 Lbs.) Push
25 N (5.6 Lbs.) Pull
 - Radial 18 N (4 Lbs.) At End of Shaft
- IP Rating 40
- Approvals RoHS
- Operating Temp. -20°C to +50°C
- Insulation Class B, 130°C
- Insulation Resistance 100 MegOhms

MS08HY 3 P 4 065

Basic Motor Length (Max)

1	29.5mm(1.16in.)
3	39.5mm(1.56in.)
5	46.5mm(1.83in.)

Electrical Connection

P	Plug-In Connector(Side Facing)
F	Font Facing Connector
R	Rear Facing Connector

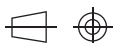
Winding

Current rating x 100

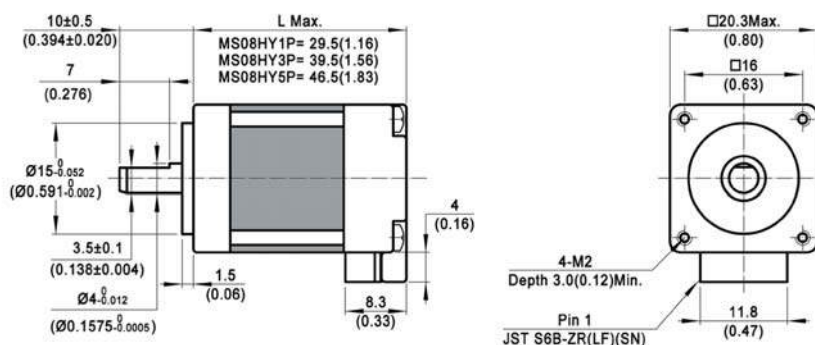
Number of Connections

4	4 Lead-Bipolar
6	6 Lead-Unipolar (or Bipolar)

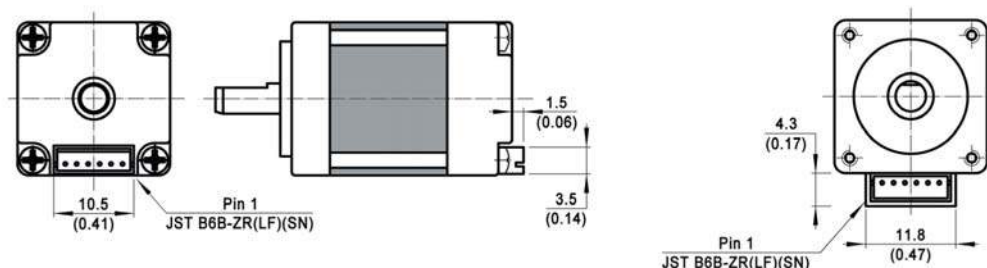
Dimensions: mm (in)



Mating Connector with 4 Leads: 300 (12) long
(order separately) Part Number: 4634 1402 03659



Motor with side facing "P" Plug



Rear facing "R" connector detail

Font facing "F" connector detail

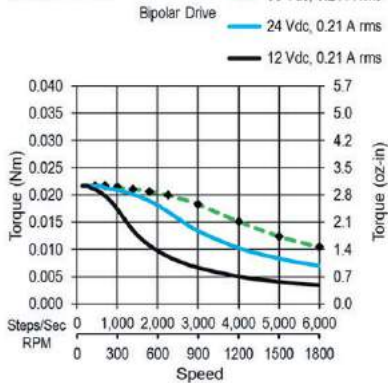
MS08HY - 4 Lead Bi-Polar

Length	Model Number	Connect	Rated Current	Holding Torque		Winding Ohms mH		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Side Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	@20 C	Typ.	mNm	oz-in	g cm ²	oz-in ²	kg	Lbs
29.5mm (1.16in.)	MS08HY1P4021	P	0.21	0.028	4.0	45	21	1.5	0.21	1.6	0.0088	0.04	0.088
	MS08HY1P4050	P	0.5	0.030	4.2	8.8	4.7						
	MS08HY1P4070	P	0.7	0.030	4.2	4.1	2.3						
	MS08HY1P4100	P	1	0.030	4.2	2.3	1.17						
39.5mm (1.56in.)	MS08HY3P4027	P	0.27	0.048	6.8	35	18.8	2	0.28	2.9	0.016	0.06	0.13
	MS08HY3P4045	P	0.45	0.050	7.1	13.1	7.6						
	MS08HY3P4065	P	0.65	0.050	7.1	6.1	3.7						
	MS08HY3P4090	P	0.9	0.050	7.1	3.4	1.91						
46.5mm (1.83in.)	MS08HY5P4028	P	0.28	0.057	8.1	34	24	2.5	0.35	4.2	0.023	0.08	0.18
	MS08HY5P4040	P	0.4	0.058	8.2	16.7	12.3						
	MS08HY5P4060	P	0.6	0.058	8.2	7.4	5.6						
	MS08HY5P4090	P	0.9	0.057	8.1	3.7	2.4						

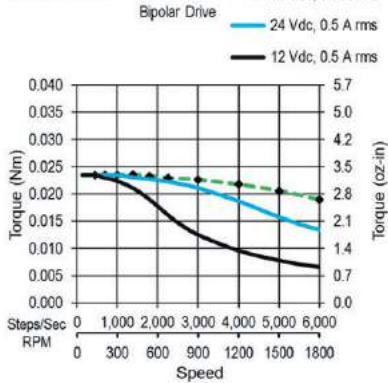
^ Preferred model

MS08HY1-Bipolar

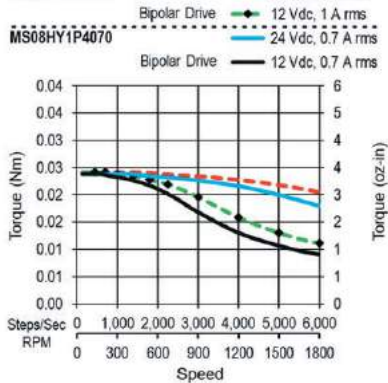
MS08HY1P4021



MS08HY1P4050

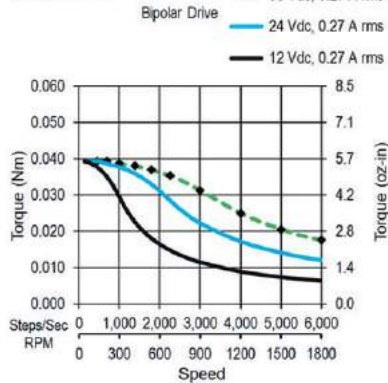


MS08HY1P4100

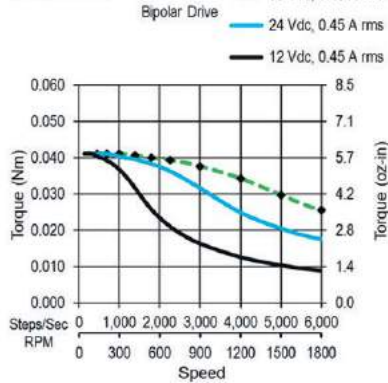


MS08HY3-Bipolar

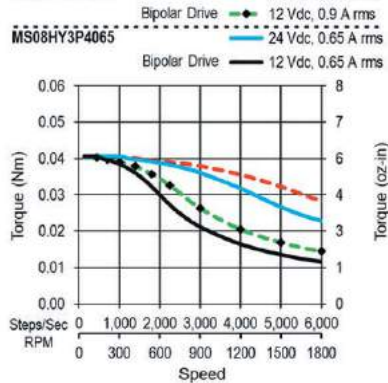
MS08HY3P4027



MS08HY3P4045

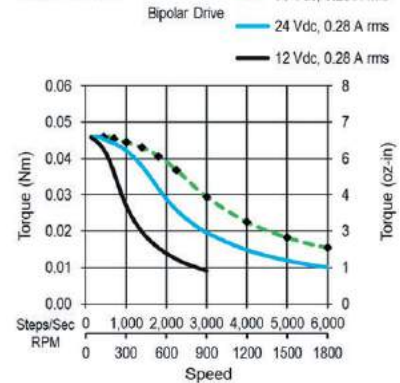


MS08HY3P4090

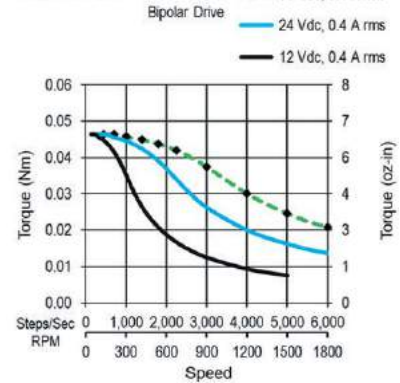


MS08HY5-Bipolar

MS08HY5P4028



MS08HY5P4040



MS08HY5P4090

