

MS16HS Series: 1.8° - Size 16



- Phases 2
- Steps / Revolution 200
- Step Accuracy ±5%
- Shaft Load (20,000 Hours at 1000 RPM)
 - Axial 25 N (5.6 Lbs.) Push
65 N (15 Lbs.) Pull
 - Radial 30 N (6.5 Lbs.) At Flat Center
- IP Rating 40
- Approvals RoHS
- Operating Temp. -20°C to +50°C
- Insulation Class B, 130°C
- Insulation Resistance 100 MegOhms

MS16HS 7 P 4 040

Basic Motor Length (Max)

7	20.8mm (0.82 in.)
0	26mm (1.02 in.)
4	33mm (1.30 in.)

Electrical Connection

P Plug-in Connector

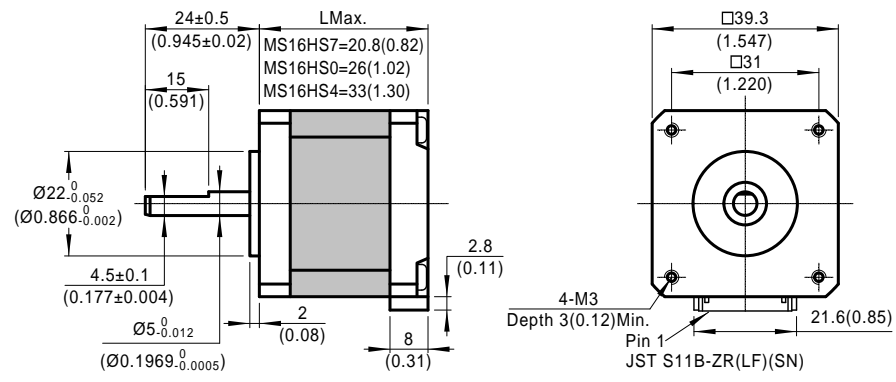
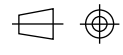
Winding

Current rating x 100

Number of Connections

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

Dimensions: mm (in)



MS16HS - 4 Lead Bi-Polar

Length	Model Number	Connect	Rated Current	Holding Torque		Winding		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20°C	Typ.	mNm	oz-in	g cm ²	oz-in ²	kg	Lbs
20.8 mm (0.82 in.)	MS16HS7P4027	P	0.27	0.10	14	41	36	5	0.71	14	0.077	0.11	0.24
	^ MS16HS7P4070	P	0.7	0.10	14	5.6	5.6						
	^ MS16HS7P4100	P	1	0.10	14	3	2.8						
	^ MS16HS7P4150	P	1.5	0.10	14	1.45	1.28						
26 mm (1.02 in.)	MS16HS0P4029	P	0.29	0.20	28	40	52	8	1.1	20	0.11	0.15	0.33
	^ MS16HS0P4070	P	0.7	0.20	28	6.8	9.5						
	^ MS16HS0P4100	P	1	0.20	28	3.6	4.7						
	^ MS16HS0P4150	P	1.5	0.20	28	1.53	2						
33 mm (1.3 in.)	MS16HS4P4037	P	0.37	0.26	37	31	50	12	1.7	27	0.15	0.21	0.46
	^ MS16HS4P4070	P	0.7	0.26	37	8.4	14						
	^ MS16HS4P4100	P	1	0.27	38	4.4	7						
	^ MS16HS4P4150	P	1.5	0.27	38	1.89	3.1						

^ Preferred model

MS16HS - 6 Lead Uni-Polar

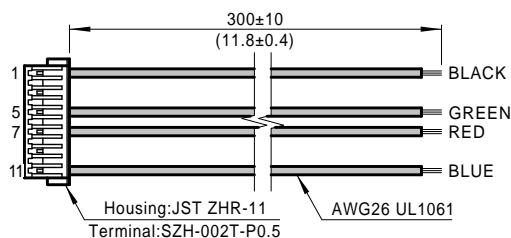
Length	Model Number	Connect	Rated Current	Holding Torque		Winding		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft	P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20°C	Typ.	mNm	oz-in	g cm ²	oz-in ²	kg	Lbs
20.8 mm (0.82 in.)	MS16HS7P6024	P	0.24	0.07	10	50	21	5	0.71	14	0.077	0.11	0.24
	^ MS16HS7P6070	P	0.7	0.07	10	5.5	2.6						
	^ MS16HS7P6100	P	1	0.07	10	2.7	1.23						
26 mm (1.02 in.)	MS16HS0P6027	P	0.27	0.15	21	45	27	8	1.1	20	0.11	0.15	0.33
	^ MS16HS0P6070	P	0.7	0.16	23	7	4.7						
	^ MS16HS0P6100	P	1	0.15	21	3.4	2.2						
33 mm (1.3 in.)	MS16HS4P6036	P	0.36	0.20	28	33	26	12	1.7	27	0.15	0.21	0.46
	^ MS16HS4P6085	P	0.85	0.20	28	5.8	4.7						
	^ MS16HS4P6120	P	1.2	0.20	28	3	2.3						

^ Preferred model

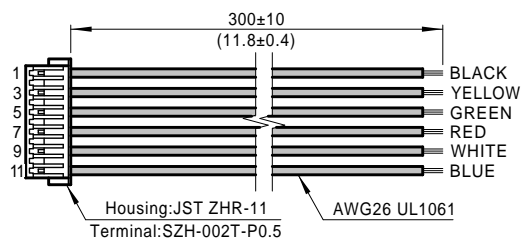
Mating Connector With Leads (order separately)

Dimensions: mm (in)

4 Lead Part Number 4634 1402 02846



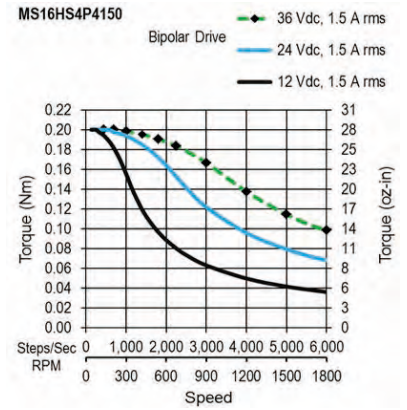
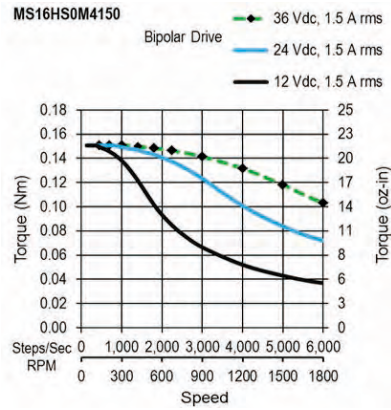
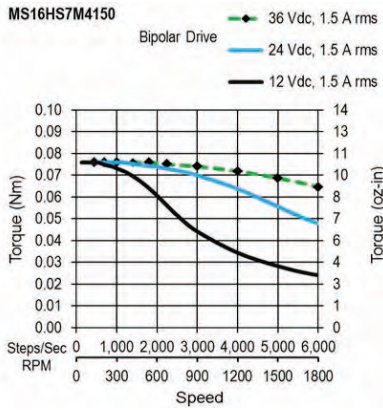
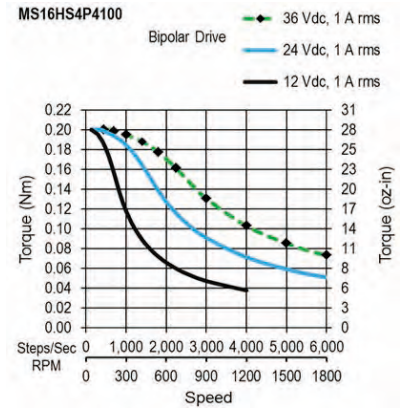
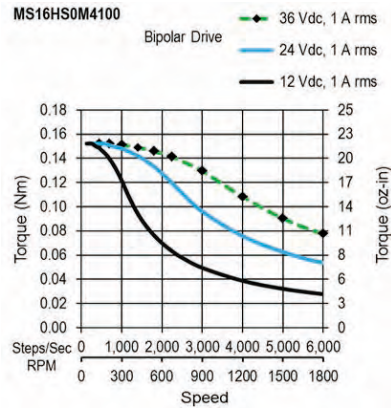
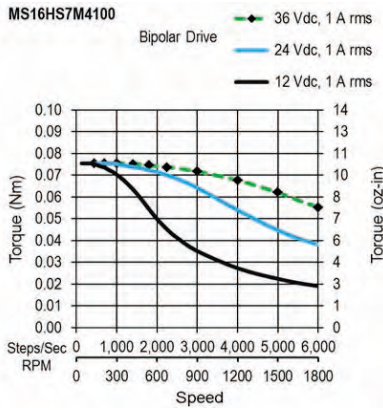
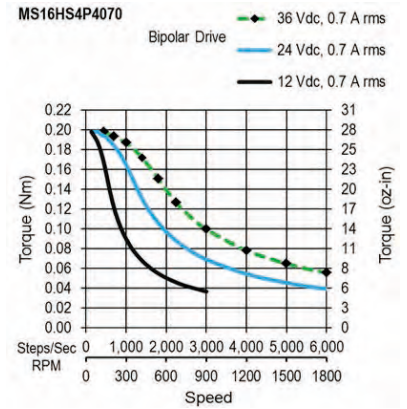
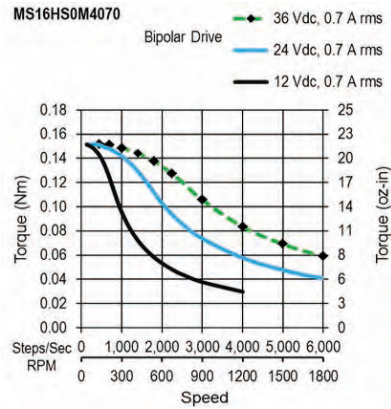
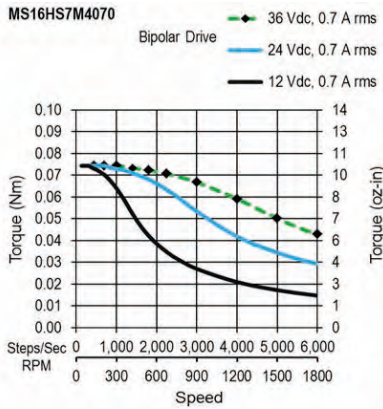
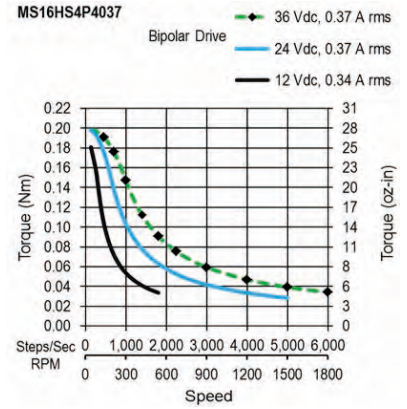
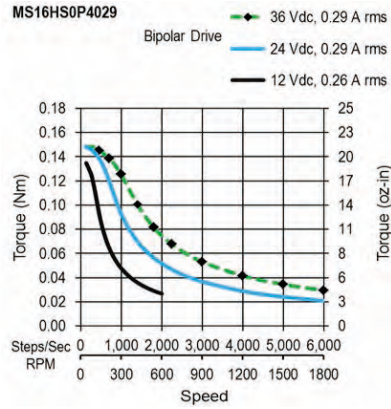
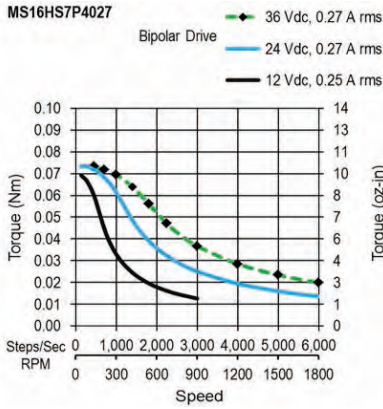
6 Lead Part Number 4634 1402 04489



MS16HS7- Bipolar

MS16HS0- Bipolar

MS16HS4- Bipolar



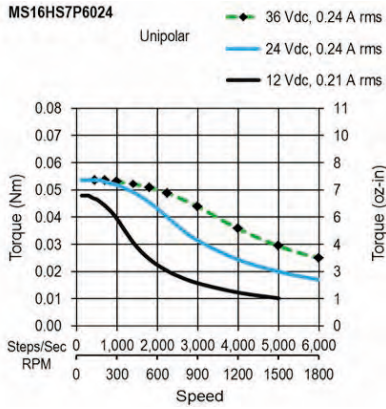
MOONS Technology

2 Phase Step Motors

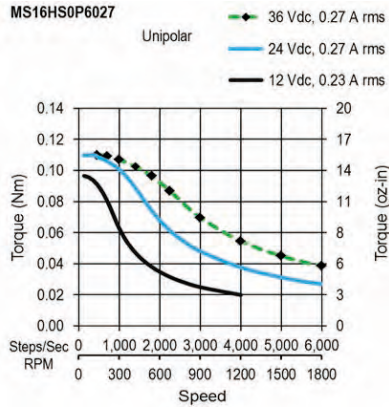
3 Phase Step Motors

Technical

MS16HS7- Unipolar



MS16HS0- Unipolar



MS16HS4- Unipolar

