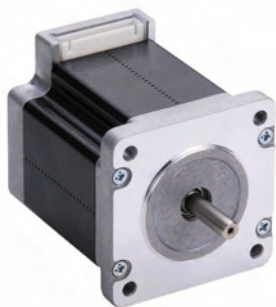


MS24HS Series: 1.8° - Size 24



- Phases 2
- Steps / Revolution 200
- Step Accuracy ±5%
- Shaft Load (20,000 Hours at 1000 RPM)
 - Axial 40 N (9 Lbs.) Push
130 N (30 Lbs.) Pull
 - Radial 70 N (15.5 Lbs.) At Flat Center
- IP Rating 40
- Approvals UL Recognized File E465363, RoHS
- Operating Temp. -20°C to +50°C
- Insulation Class B, 130°C
- Insulation Resistance 100 MegOhms

MS24HS 1 P 4 150 -E

Basic Motor Length (Max)		Options	
1	46mm (1.81 in.)	Omit	No Options
2	56mm (2.21 in.)	-E	0.25 inch diameter rear shaft
3	67mm (2.64 in.)		With Encoder Mounting Holes
5	87MM (3.43IN.)		
Electrical Connection		Winding	
L	Leads	###	Current rating x 100
P	Plug-in Connector		
Number of Connections			
4	4 Lead-Bipolar		
6	6 Lead-Unipolar(or Bipolar)		

MS24HS – 4 Lead Bi-Polar

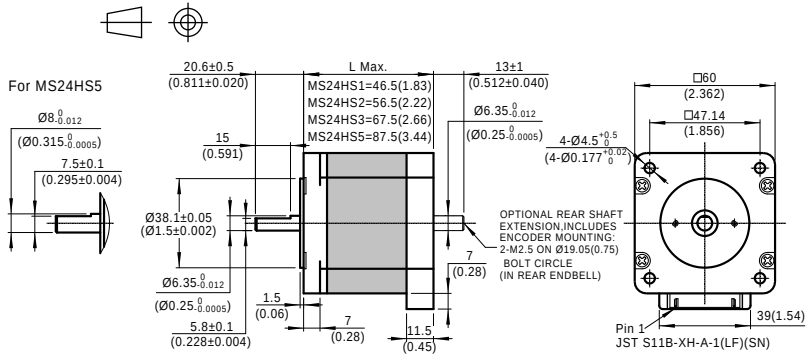
Length	Model Number		Connect	Rated Current	Holding Torque		Winding Ohms mH		Detent Torque		Rotor Inertia		Motor Weight	
	Single Shaft		P=Plug L=Leads	Amps (mounted)	Nm Typ.	oz-in TYP.	±10% @20 C	Typ.	mNm oz-in		g cm ² oz-in ²		kg Lbs	
46 mm (1.81 in.)	^	MS24HS1P4150	P	1.5	1.28	180	3.2	7.1						
	^	MS24HS1P4200	P	2	1.26	180	1.69	3.9	40	5.7	280	1.5	0.6	1.3
	^	MS24HS1P4300	P	3	1.23	170	0.73	1.61						
56 mm (2.2 in.)	^	MS24HS2P4150	P	1.5	1.90	270	4	12.5						
	^	MS24HS2P4200	P	2	1.90	270	2.1	6.8	90	13	450	2.5	0.83	1.8
	^	MS24HS2P4300	P	3	1.80	250	0.92	2.8						
	^	MS24HS2L4420	L	4.2	1.80	250	0.47	1.35						
67 mm (2.64 in.)	^	MS24HS3P4150	P	1.5	2.40	340	4.2	12.1						
	^	MS24HS3P4200	P	2	2.30	330	2.2	6	95	13	560	3.1	1.05	2.3
	^	MS24HS3P4300	P	3	2.40	340	1.1	3						
	^	MS24HS3L4420	L	4.2	2.30	330	0.56	1.44						
87 mm (3.43 in.)	^	MS24HS5P4150	P	1.5	3.20	450	4.6	15.8						
	^	MS24HS5P4200	P	2	3.30	470	2.8	9.2	100	14	900	4.9	1.4	3.1
	^	MS24HS5P4300	P	3	3.30	470	1.21	4.1						
	^	MS24HS5L4420	L	4.2	3.20	450	0.61	1.97						

^ Preferred model

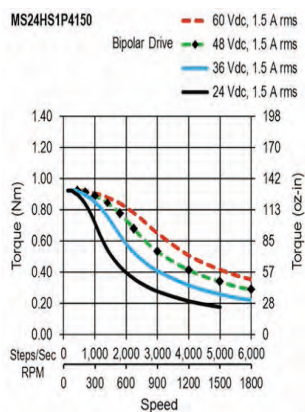
Dimensions: mm (in)

Mating Connector with 4 Leads: 300 ±10 (12 ±.5) long (order separately)
Part Number: 4634 1402 01393

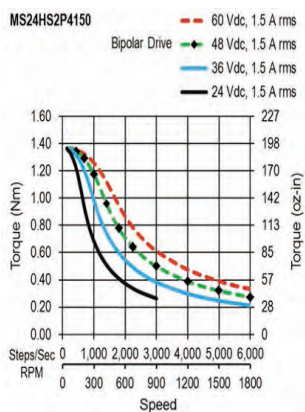
Motors with leads: Lead wire is 22 AWG UL3266, 300 ±10 (12 ±.5) long



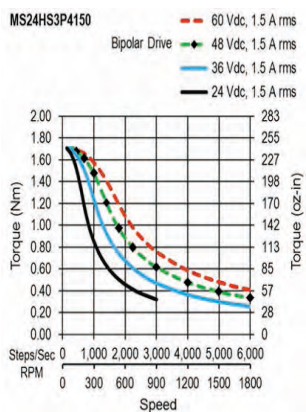
MS24HS1



MS24HS2



MS24HS3



MS24HS5

