

17HC Series: 1.2° - Size 17, 3 Phase Encapsulated



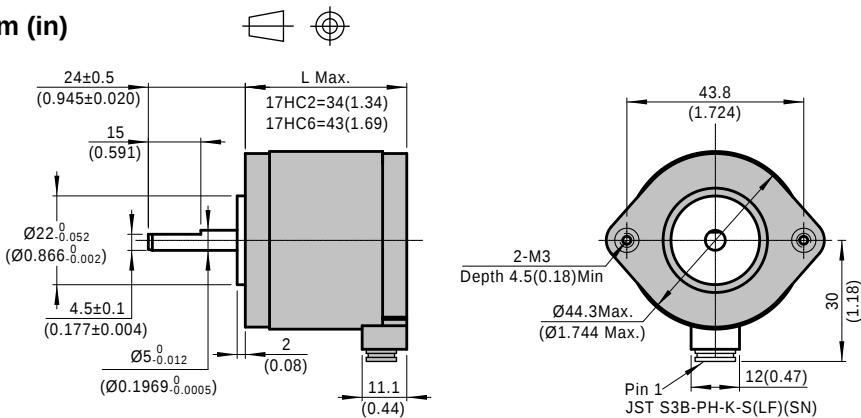
- Phases 3
- Steps / Revolution 300
- Step Accuracy ±5%
- Shaft Load (20,000 Hours at 1000 RPM)
 - Axial 25 N (5.6 Lbs.) Push
65 N (15 Lbs.) Pull
 - Radial 29 N (6.5 Lbs.) At Flat Center
- IP Rating 40
- Approvals RoHS
- Operating Temp. -20°C to +50°C
- Insulation Class B, 130°C
- Insulation Resistance 100 MegOhms

17HC – 3 Phase

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 cm² oz-in²		kg Lbs	
34 mm (1.34 in.)	^ 17HC2005N	P	0.8	0.36	51	11	16.5	14 2	57 0.31	0.245	0.54		
	^ 17HC2006N	P	1.5	0.36	51	3.7	5.5						
	^ 17HC2002N	P	2.3	0.36	51	1.74	2.3						
43 mm (1.69 in.)	^ 17HC6003N	P	0.82	0.46	65	14.3	21	25 3.5	82 0.45	0.35	0.77		
	^ 17HC6004N	P	1.5	0.46	65	4.6	6.5						
	^ 17HC6005N	P	2.3	0.46	65	1.93	2.7						

^ Preferred model

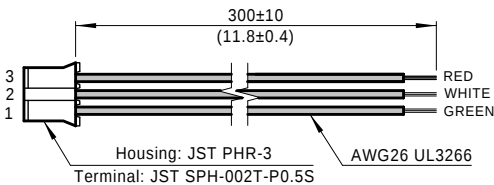
Dimensions: mm (in)



Mating Connector With Leads (order separately)

Dimensions: mm (in)

3 Lead Part Number 4634 1402 04496



MOONS' 17HC, 3 phase step motors, offer numerous advantages:

- More Torque
- Low Noise
- Low Vibration
- Low Resonance
- Encapsulated Construction

Molded Stator

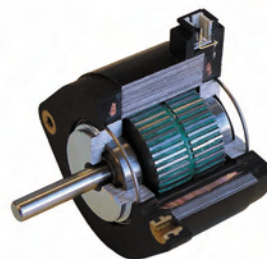
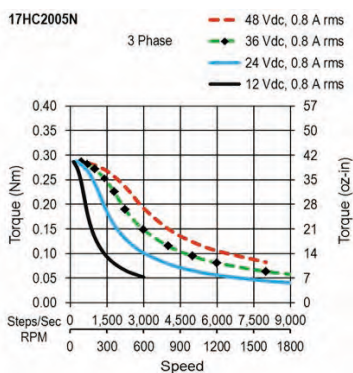
Encapsulated winding >>>> Runs cooler – Longer life
 Better sealing >>>> Longer life
 Reduced vibration >>>> Smoother moves – Quieter

Large Ball Bearings

Large shaft loads >>>> Fewer design restrictions
 Long Life >>>> Less down time

High Winding Fill

Larger wire size >>>> More torque
 Uses less energy >>>> Longer battery life

**17HC2****17HC6**