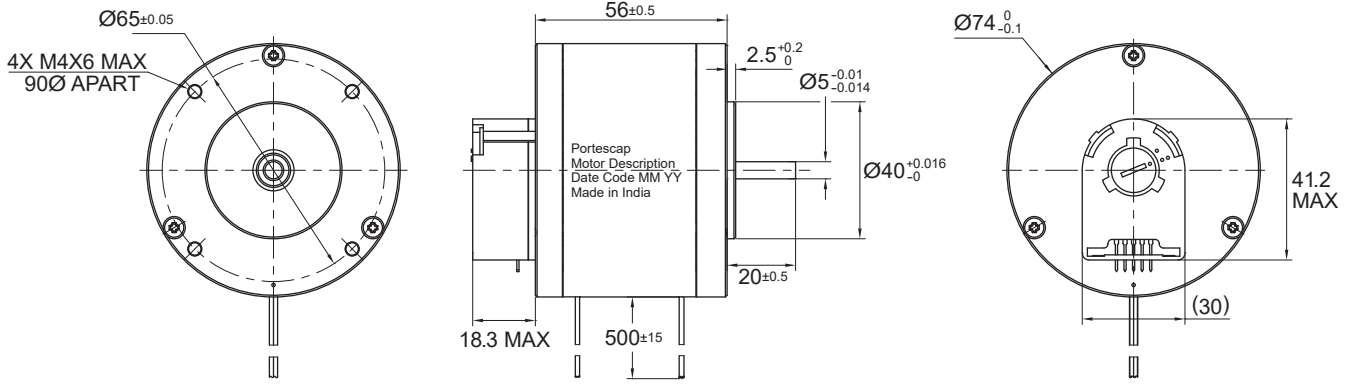


P760 with Encoder

Ø 74 mm • 325 mNm



Dimensions in mm

Electrical Data	P760 0.4 05 HEDS 5540 A11	Unit
1 Resistance per Phase, typ	0.4	Ohms
2 Inductance per Phase, typ	2.1	mH
3 Nominal Phase Current (2 ph. On)	4.30	A
4 Nominal Phase Current (1 ph. On)	6.00	A
5 Back EMF Amplitude	7.10	V/kstep/s
General Data		
6 Holding Torque, nominal current	325 (46)	mNm (oz-in)
7 Holding Torque, 1.5x nominal current (1)	485 (68.7)	mNm (oz-in)
8 Detent Torque	20 (2.8)	mNm (oz-in)
9 Rotor Inertia	17	kgm ² x 10 ⁻⁷
10 Step Angle	7.5	Degree
11 Absolute Accuracy 2 ph. On, Full step mode	+/- 5%	% Full Step
12 Steps Per Revolution	48	
13 Ambient Temperature Range (operating)	-20 to 50 (-4 to 122)	°C (°F)
14 Maximum Coil Temperature	130 (266)	°C (°F)
15 Thermal Resistance Coil-ambient (2)	5	°C/W
16 Natural Resonance Frequency (nominal current)	240	Hz
17 Electrical Time Constant	4.70	ms
18 Angular Acceleration (nominal current)	190,000	rad/s ²
19 Bearing Type	Ball	
20 Dielectric Withstanding Voltage	500 VRMS for 5 seconds	VAC
21 Radial Shaft Play	25@5N	µm
22 Axial Shaft Play	25@5N	µm
23 Maximum Radial Shaft Load	20 (72)	N (oz)
24 Maximum Axial Shaft Load (3)	30 (108)	N (oz)
25 Weight	700 (25)	g (oz)
26 Power Rate (nominal current)	58.0	kW/s

Notes:

1. Measured with 1 phase ON. The max coil temperature must be respected
2. Motor unmounted
3. Shaft must be supported when press-fitting a pulley or pinion

