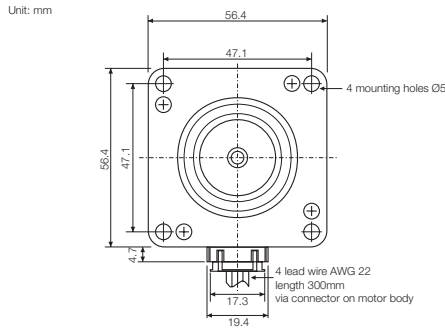


Hybrid Stepping Motors

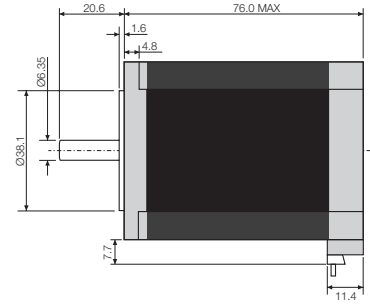
M237618K48.4

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Miniature Motors, Transmission and Control

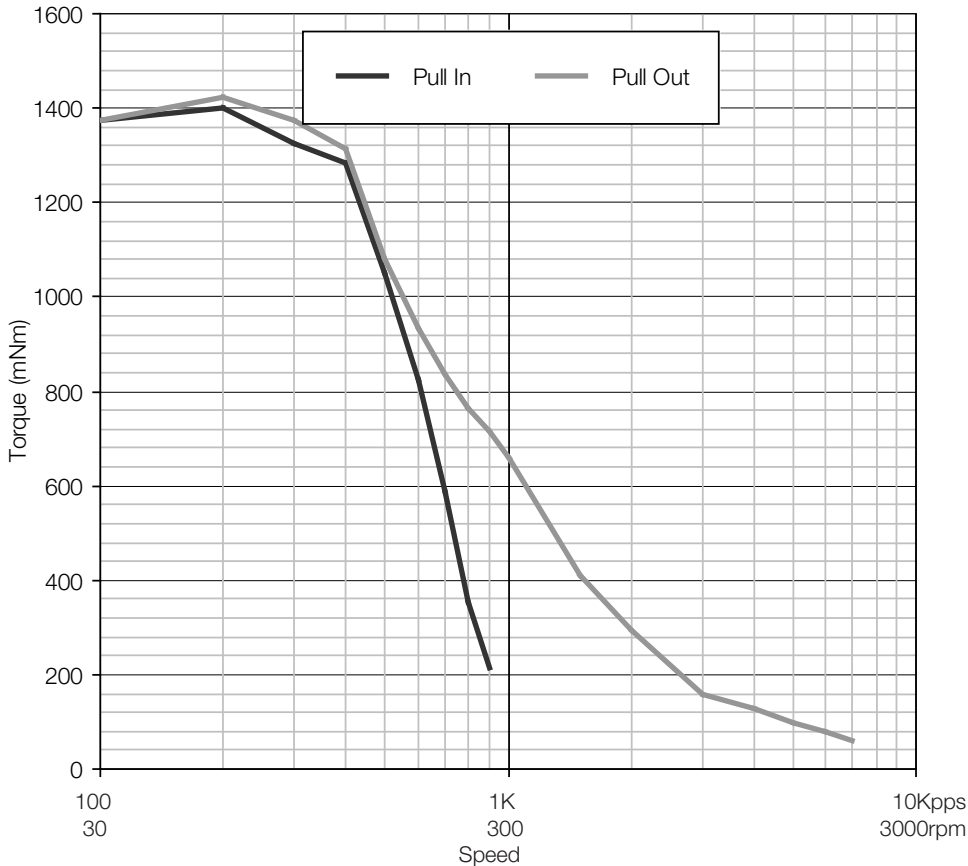


Model Number	Phase voltage (V)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Detent torque (mNm)	Winding
M237618K48.4	8.9	1.1	8.4	32.0	58.8	Bi-polar

General Specification

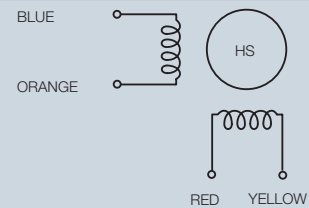
Holding Torque	1650.0mNm
Step angle	1.8°
Step accuracy	± 5%
Rotor Inertia	44.0 kgm ² x10 ⁻⁶
Temperature rise	80°C (max.)
Ambient temp. range	-20°C to +50°C
Insulation resistance	100MΩ (min) at 500V DC
Dielectric strength	500V AC 1min
Radial play	0.02mm (max.) with 450g load
Weight	1050g

Characteristics



Full step bi-polar sequence

CW dir.	Step 1	Step 2	Step 3	Step 4
Blue	-	+	+	-
Orange	+	-	-	+
Red	+	+	-	-
Yellow	-	-	+	+



Contact:

www.rotalink.com
info@rotalink.com
T: +44 (0)1460 72000

Rotalink Limited
Cropmead, Crewkerne
Somerset TA18 7HQ, UK

www.rotalink.com