

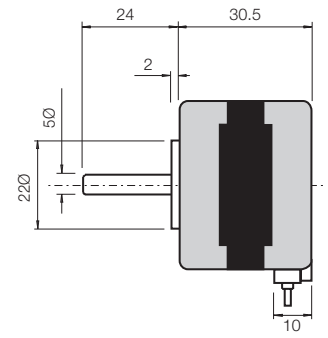
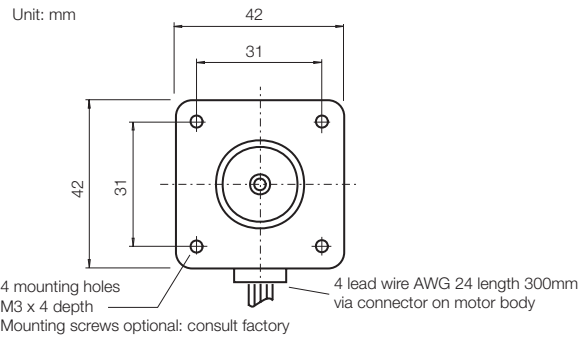
Hybrid Stepping Motors

M173118K45.0

Issue 03

Rotalink

Miniature Motors, Transmission and Control

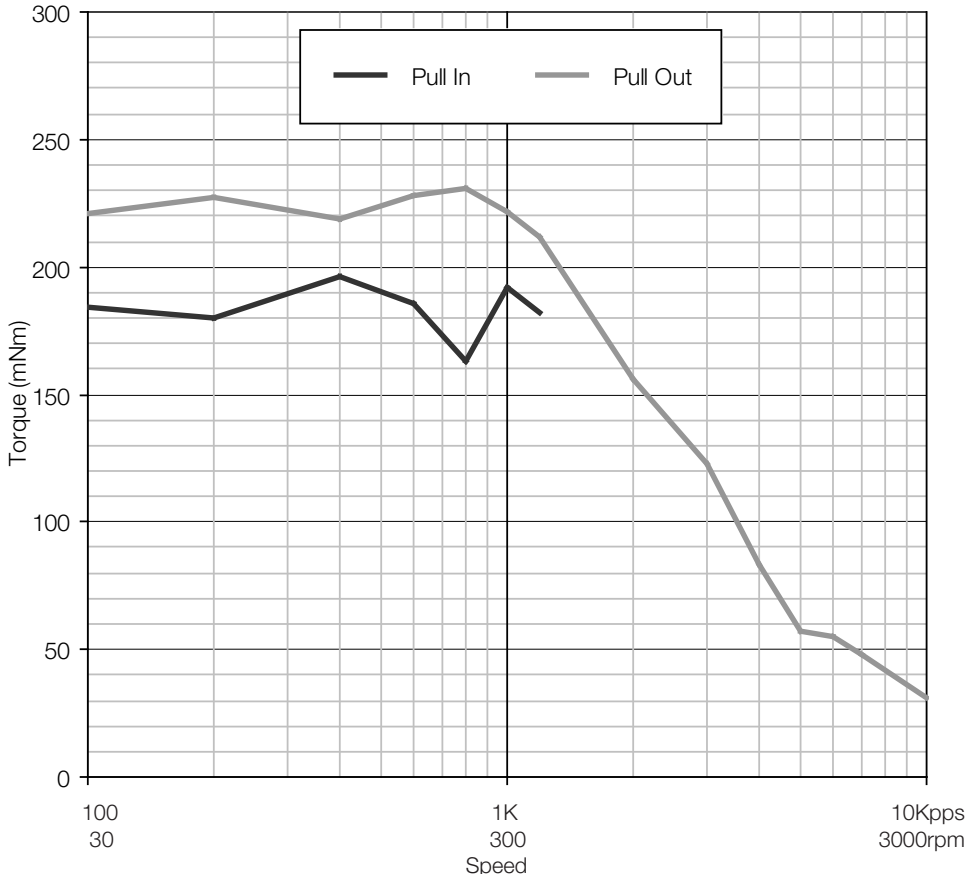


Model Number	Phase voltage (V)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Detent torque (mNm)	Winding
M173118K45.0	4.25	0.85	5.0	11.2	8.0	Bi-polar

General Specification

Holding Torque	255.0mNm
Step angle	1.8°
Step accuracy	± 5%
Rotor Inertia	3.4 kgm ² x10 ⁻⁶
Temperature rise	80°C (max.)
Ambient temp. range	-20°C to +50°C
Insulation resistance	100M Ω (min) at 500V DC
Dielectric strength	500V AC 1min
Radial play	0.02mm (max.) with 450g load
Weight	200g

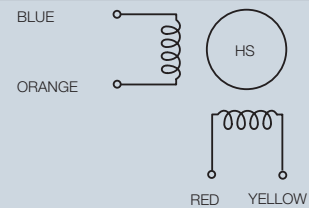
Characteristics



Drive: Full step bi-polar drive @ 30V & nominal phase current
Load Inertia: 9.7x10⁻⁶ kgm²

Full step bi-polar sequence

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



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