

Series 42M048C Stepper motors

Features:

- Permanently lubricated sintered bearings
- Compact size

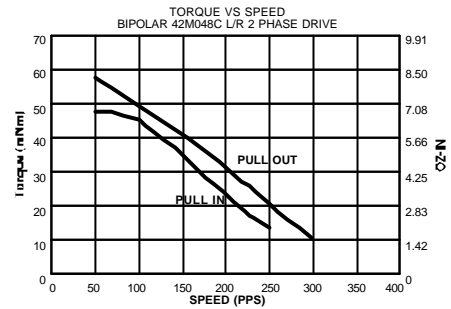
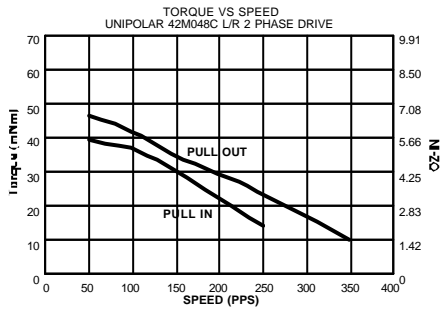


Motor data

Motor order number	Unipolar		Bipolar	
	1736-42M048C1U	1736-42M048C2U	1736-42M048C1B	1736-42M048C2B
DC operating voltage	5	12	5	12
Resistance per winding Ω	9.1	52.4	9.1	52.4
Inductance per winding mH	7.5	46.8	14.3	77.9
Holding torque mNm *	73.4		87.5	
Detent torque mNm	9.2			
Rotor moment of inertia $g \times m^2$	12.5×10^{-4}			
Step angle	$7.5^\circ \pm 0.5^\circ$			
Steps Per Revolution	48			
Insulation Resistance At 500Vdc	100 M Ω			
Leadwire Type	AWG #26			
Bearing Type	Bronze sleeve			
Operating Temperature	100°C, MAX			
Ambient Temperature Range	Operation: -20°C to 70°C, Storage: -40°C to 85°C			
Dielectric Strength	650 \pm 50 Vrms, 60 Hz for 1 to 2 Seconds			

* Measured with 2 phases energised

Performance curve



Dimensional Drawing

