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3518 SERIES

3518M-07

HYBRID STEPPER MOTOR

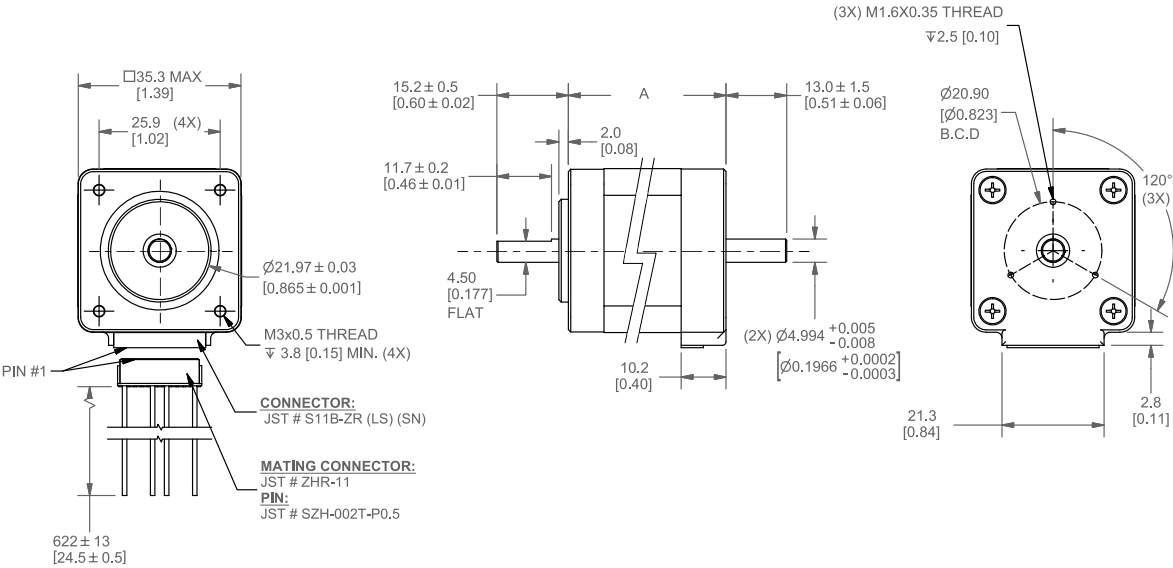
Specifications:

- NEMA 14 (35.3 mm) Frame Size
- 1.8° Step Angle
- 34 mm Length
- 0.14 Nm Holding Torque

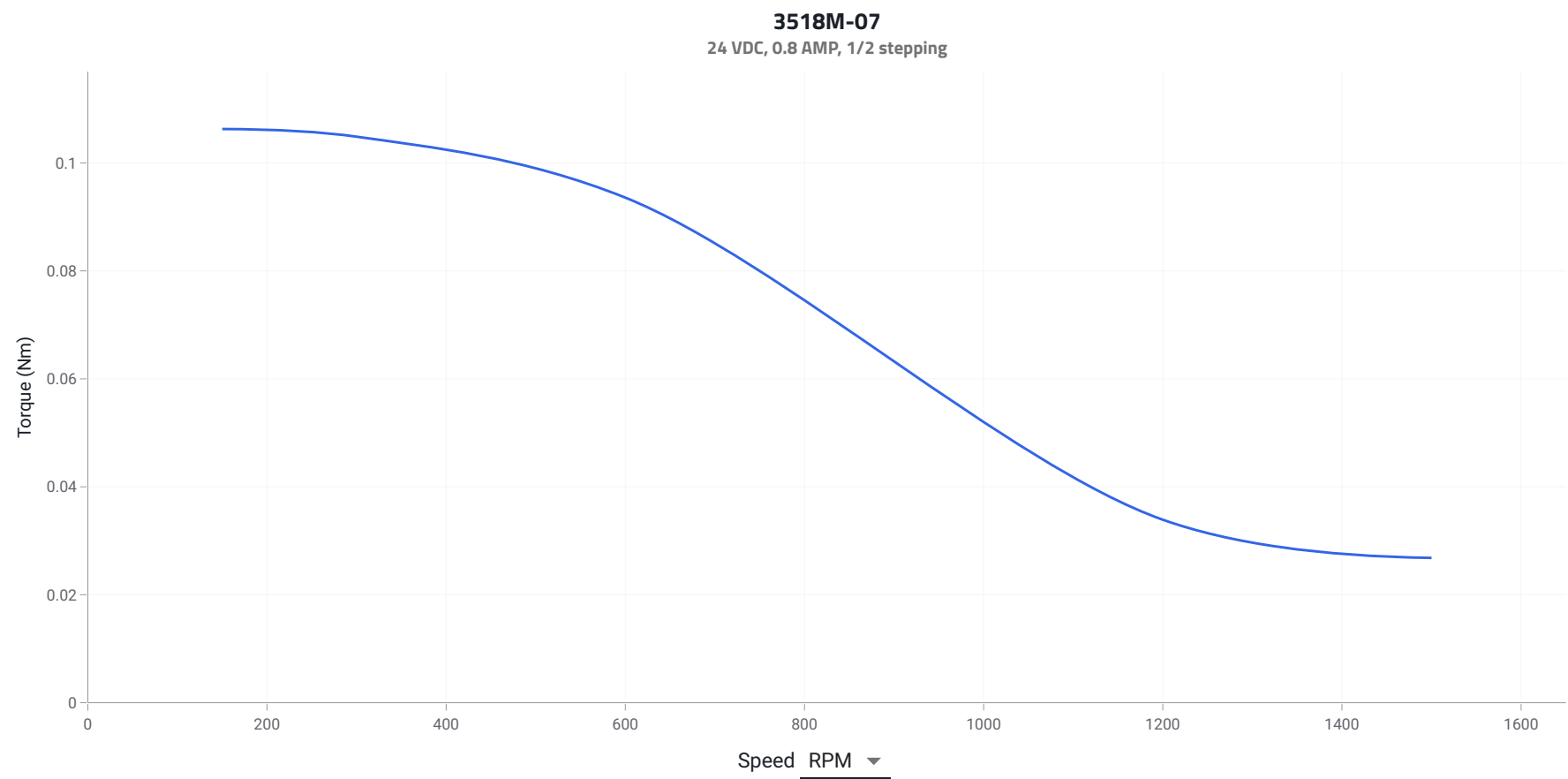
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Dimensions

MODEL	DIM. A (LENGTH) MM
3518M-07	34 mm



Torque Curves



Motor Specifications

Base Motor Part Number	3518M-07
Step Angle	1.8°
Frame Size	35.3 mm
NEMA Size	NEMA 14
Body Length	34 mm
Current (AMP)	0.8 AMP
Holding Torque	0.14 Nm
Resistance	7.5 ohm
Rotor Inertia	14.63 g-cm²
Number of leads	4
Connection	Bipolar
Weight	0.159 kg

Operating Specifications

Radial Play	0.03 mm @ 0.454 kg
End Play	0.08 mm @ 1.361 kg
Shaft Run Out	0.05 TIR
Concentricity of Mounting Pilot to Shaft	0.08 TIR
Perpendicularity of Mounting Pilot to Face	0.08 TIR
Max Radial Load at Dimension "K" from mounting face	2.722 kg
Dimension "K"	15.75 mm
Max Axial Load	2.722 kg
Maximum Case Temperature	80.00 °C maximum
Ambient Temperature	-20.00 °C to 50.00 °C
Storage Temperature	-20.00 °C to 100.00 °C
Humidity Range (%)	85% or less, non-condensing
Magnet Wire Insulation	Class B 130 deg C
Insulation Resistance	100M Ohm at 500 VDC
Dielectric Strength	500 VDC for 1 min