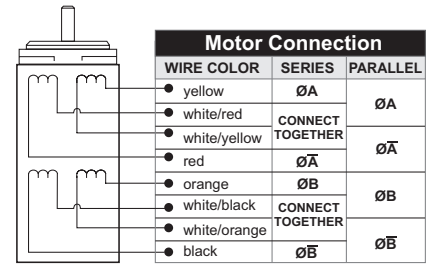


IOS SIZE 42

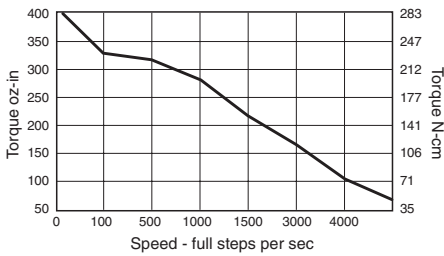
1.8° HYBRID IOS STEPPING MOTOR



Part Number	Holding Torque oz-in (N-cm)	Phase Current Amps		Number of Leads	Phase Resistance ohms		Phase Inductance mH		Detent Torque oz-in (N-cm)	Rotor Inertia oz-in-sec ² (kg-cm ²)	Length inches (mm)	Weight oz (g)
		Series	Parallel		Series	Parallel	Series	Parallel				
M3-4247-IOS	375 (265.0)	4.5	9.0	8	0.6	0.15	6.0	1.5	25 (17.65)	0.244 (17.23)	3.96 (105.2)	112 (3175)

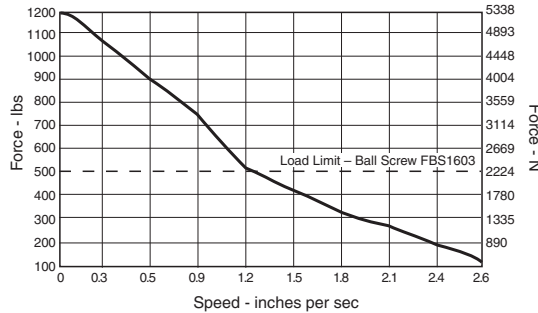
TORQUE-SPEED CURVE

Parallel: 6 Amps RMS, 80 VDC



FORCE-SPEED CURVES

Series: 6 Amps RMS, 75 VDC



ORDER INFORMATION

Name Part Number
 Motor M3-4247-IOS
 Motor w/ Encoder M3-4247-E[X]¹[X]²
 Ball Screw Options Contact Factory

¹ Replace X with S for single-end output encoder or D for differential output encoder.
² Replace X with encoder line count: 100, 200, 400, 500 or 1000. Factory mounted only, no encoder kit available.

MECHANICAL SPECIFICATIONS

Dimensions in Inches (mm)

