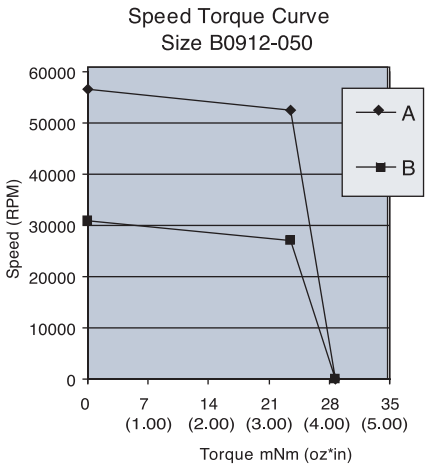
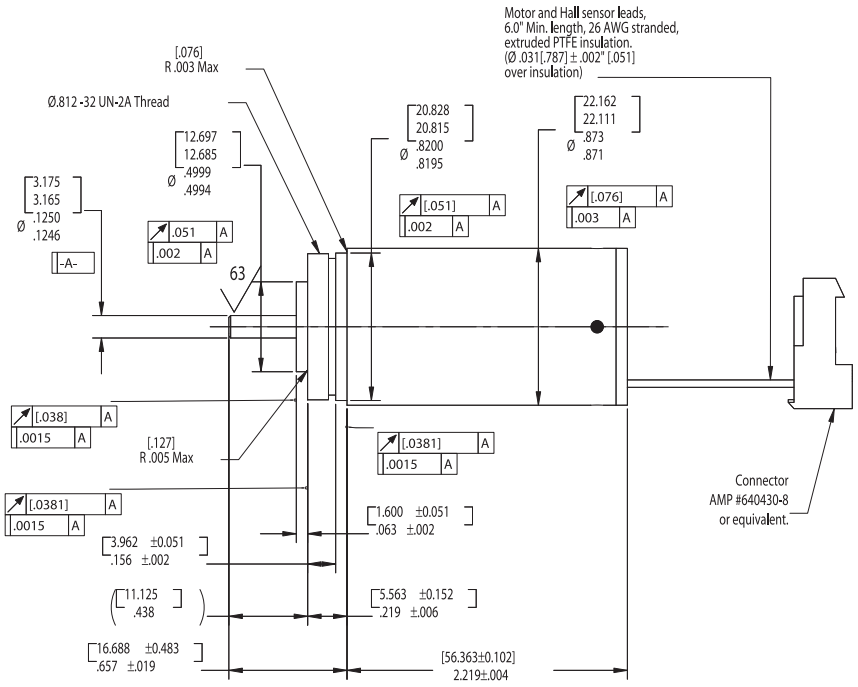
Please contact us or visit our website to learn about other available sizes: 6, 8, 10, 12





[*] denotes millimeters
Specifications subject to change without notice

Size 9 Performance Data - Model: B0912-050

Symbol	Parameter	Units	A	B
T_{cs}	Max Cont Stall Torque	oz-in (mNm)	4.10 (29.0)	4.10 (29.0)
T_{pk}	Peak Torque	oz-in (mNm)	41.9 (295.9)	22.5 (158.9)
P_{diss}*	Max Cont Pwr Dissipation	watt	12.7	12.7
W_{nl}	No Load Speed	rpm	56,500	30,800
I_{cs}	Max Cont Current	amp	3.58	1.94
K_m	Motor Constant	oz-in/watt½ (mNm/watt½)	1.15 (8.12)	1.14 (8.05)
K_t	Torque Constant	oz-in/amp (mNm/amp)	1.15 (8.12)	2.11 (14.9)
t_m	Mech Time Constant	msec	5.33	5.41
t_e	Elec Time Constant	msec	.240	.230
J_m	Rotor Inertia	oz-in-sec^2 (kg-m^2)	5.00x10^{-5} (3.53x10^{-7})	5.00x10^{-5} (3.53 x 10^{-7})
K_d	Viscous Torque (Losses)	oz-in/krpm (mNm/krpm)	1.50x10^{-3} (1.06x10^{-2})	1.50x10^{-3} (1.06x10^{-2})
R_{th}	Thermal Resistance	°C/watt	10.2	10.2
T_f	Static Friction Torque	oz-in (mNm)	.160 (1.13)	.160 (1.13)
W	Motor Weight	oz (gm)	4.70 (133.0)	4.70 (133.0)

*Mounted on a 6.0" x 6.0" x 0.25" Aluminum Heat Sink

Size 9 Winding Data - Model: B0912-050

Symbol	Parameter	Units	A	B
V_r	Rated Voltage	VDC	50.0	50.0
I_{pk}	Peak Current	amp	36.5	10.7
K_e	Back EMF (Voltage) Constant	V/krpm	.850	1.56
L	Inductance (Ph to Ph)	mH	.160	.520
R_c	Resistance (Ph to Ph)	Ω	.660	2.24