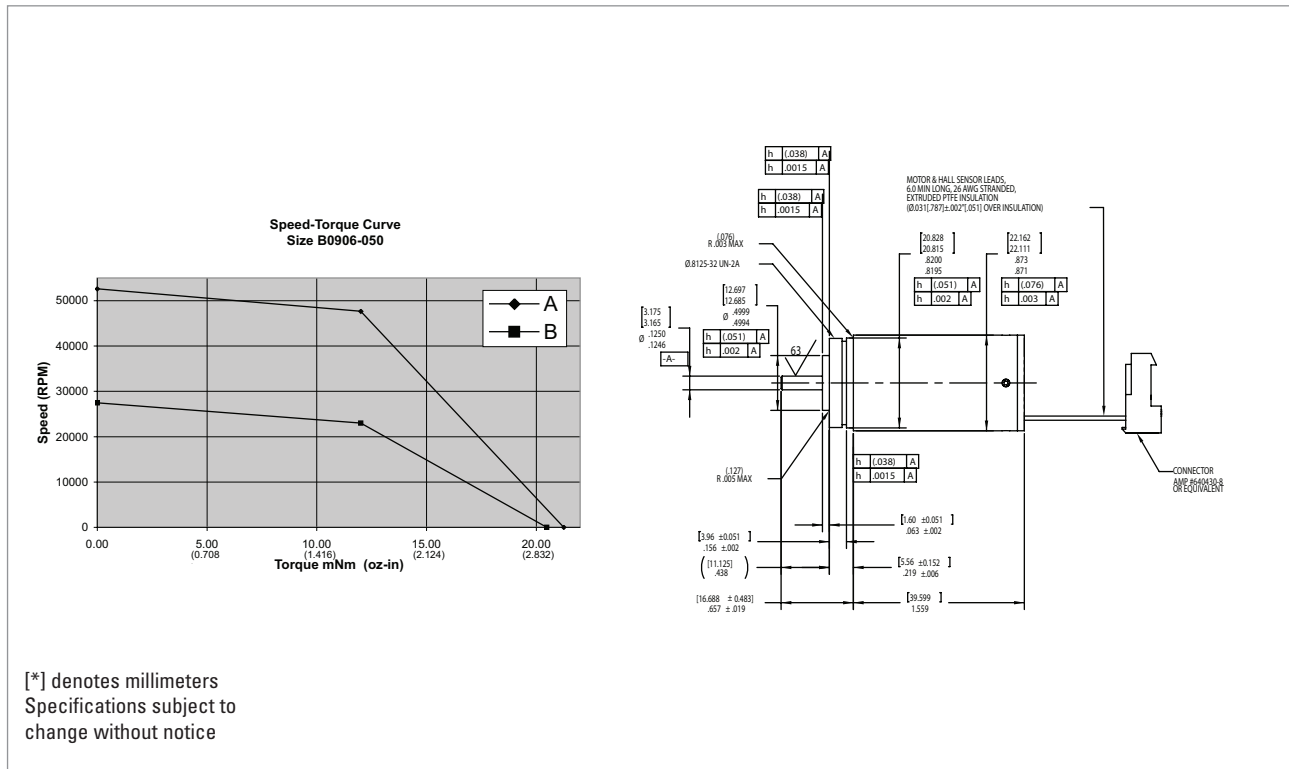


Please contact us to learn about other available sizes: 8, 12, 13, 14 and custom



**Size 9 Performance Data - Model: B0906-050**

Symbol	Parameter	Units	A	B
$T_{cs}$	Max Cont Stall Torque	oz-in (mNm)	3.01 (21.3)	2.90 (20.4)
$T_{pk}$	Peak Torque	oz-in (mNm)	18.6 (131.5)	17.6 (142.2)
$P_{diss*}$	Max Cont Pwr Dissipation	watt	9.12	9.12
$W_{nl}$	No Load Speed at rated voltage	rpm	52,632	27,473
$I_{cs}$	Max Cont Current	amp	2.34	1.17
$K_m$	Motor Constant	oz-in/watt <sup>1/2</sup> (mNm/watt <sup>1/2</sup> )	1.0 (7.06)	0.96 (6.77)
$K_t$	Torque Constant	oz-in/amp (mNm/amp)	1.28 (9.07)	2.46 (17.4)
$t_m$	Mech Time Constant	msec	4.25	4.63
$t_e$	Elec Time Constant	msec	0.170	0.170
$J_m$	Rotor Inertia	oz-in-sec <sup>2</sup> (kg-m <sup>2</sup> )	3.0E-5 (2.12E-7)	3.0E-5 (2.12E-7)
$K_d$	Viscous Torque (Losses)	oz-in/krpm (mNm/krpm)	5.35E-4 (3.78E-3)	5.35E-4 (3.78E-3)
$R_{th}$	Thermal Resistance	°C/watt	14.3	14.3
$T_f$	Static Friction Torque	oz-in (mNm)	0.100 (0.710)	0.100 (0.710)
$W$	Motor Weight	oz (gm)	3.30 (94.0)	3.30 (94.0)

\*Mounted on a 5.0" x 5.0" x .25" Aluminum Heat Sink

**Size 9 Winding Data - Model: B0906-050**

Symbol	Parameter	Units	A	B
$V_r$	Rated Voltage	VDC	50	50
$I_{pk}$	Peak Current	amp	14.55	7.15
$K_e$	Back EMF (Voltage) Constant	V/krpm	0.950	1.82
$L$	Inductance (Ph to Ph)	mH	0.280	1.12
$R_c$	Resistance (Ph to Ph)	Ω	1.65	6.60

Please contact us to learn about other available windings