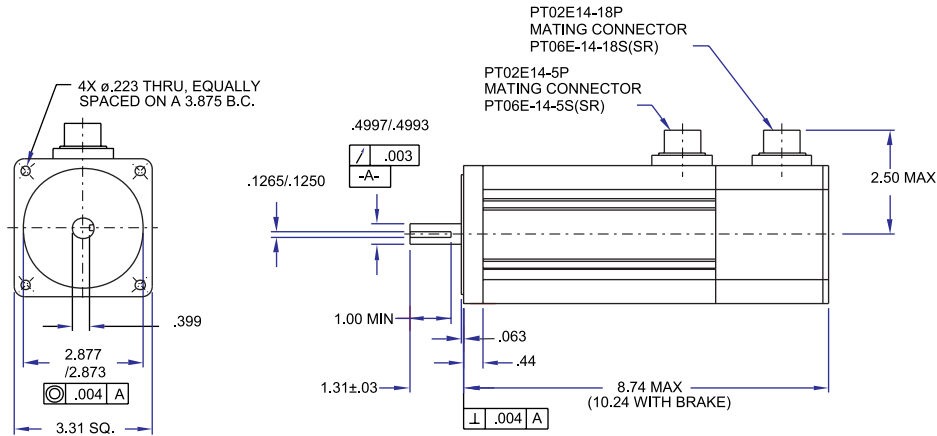




B32 Brushless Servo Motor Specifications



Electrical Data

Continuous Stall Torque	oz-in [N-m]	480 [3.4]
Cont. Torque at Rated Speed	oz-in [N-m]	400 [2.8]
Winding Resistance @ Ambient	ohms	3.4
Winding Resistance @ T _{max}	ohms	5.1
Inductance	mH	9.8
K _t , Phase to Phase Peak	oz-in/A [N-m/A]	99.2 [0.70]
K _v	V _{p-p} /kRPM	77.8
Motor Constant	oz-in/√W [N-m/√W]	53.4 [0.38]
Number of Poles		6
Electrical Time Constant	ms	2.837

Mechanical Data

Rotor Inertia	oz-in-s ² [kg-cm ²]	0.016 [1.13]
Static Friction	oz-in [N-m]	12.8 [0.09]
Dynamic Friction	oz-in/kRPM [N-m/kRPM]	2.0 [0.014]
Thermal Resistance	°C/W	1.0
Max. Winding Temperature	°F [°C]	310 [155]
0 Ohm Damping	oz-in/kRPM [N-m/kRPM]	2110 [14.9]
Mechanical Time Constant	ms	0.793
Axial Shaft Load	lbs [N]	25 [111]
Radial Shaft Load @ 1/2 in	lbs [N]	48 [214]
Weight	lbs [kg]	12 [5.4]

System Data with B8000 Series

		110VAC	220VAC
Max. Speed	RPM	1900	3800
Drive Bus Voltage	V	155	311
Drive Peak Current	A	10.0	10.0
Ambient Temperature	°F [°C]	77 [25]	
RMS Output Power	W	459	918
Nominal Peak Power	W	978	1957
Nominal Peak Stall Torque	oz-in [N-m]	853 [6.0]	

Motor Wiring

