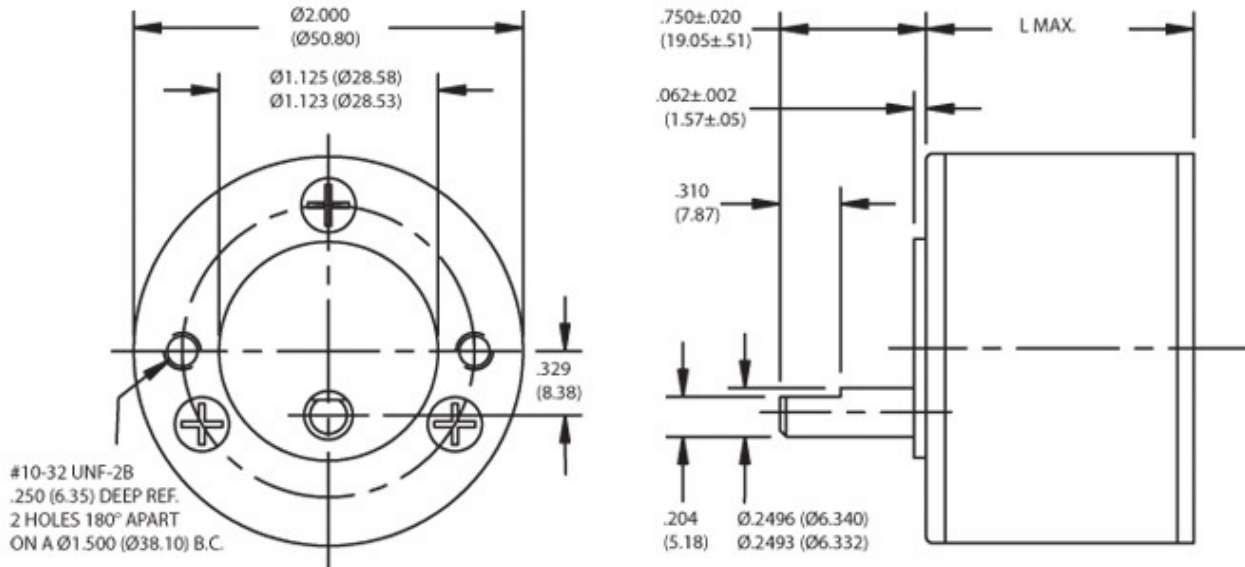


		Model Number
Specification	Units	9234 24.0 V
Supply Voltage	VDC	24.0
Continuous Torque	oz-in	6.1
	Nm	0.0431
Speed @ Cont. Torque	RPM	5040
Current @ Cont. Torque	Amps (A)	1.50
Continuous Output Power	Watts (W)	23
Motor Constant	oz-in/sqrt W	3.0
	Nm/sqrt W	0.021
Torque Constant	oz-in/A	5.165
	Nm/A	0.036
Voltage Constant	V/krpm	3.82
	V/rad/s	0.036
Terminal Resistance	Ohms	2.96
Inductance	mH	2.51
No-Load Current	Amps (A)	0.16
No-Load Speed	RPM	6030
Peak Current	Amps (A)	8.1
Peak Torque	oz-in	41.1
	Nm	0.2902
Coulomb Friction Torque	oz-in	0.60
	Nm	0.0042
Viscous Damping Factor	oz-in/krpm	0.039
	Nm s/rad	2.62E-6
Electrical Time Constant	ms	0.85
Mechanical Time Constant	ms	9.3
Thermal Time Constant	min	12
Thermal Resistance	Celsius/W	17
Max. Winding Temperature	Celsius	155
Rotor Inertia	oz-in-sec <sup>2</sup>	.00059
	kg-m <sup>2</sup>	4.17E-6
Weight (Mass)	oz	10.1
	g	286.3

Performance (24 V Winding)	Standard Features
<p>The graph plots Speed (rpm) on the left y-axis (0 to 7000) and Current (A) on the right y-axis (0 to 8.4) against Torque (oz-in) on the x-axis (0 to 42). A solid black line represents Speed, which decreases linearly from approximately 6000 rpm at 0 torque to 0 rpm at 42 oz-in. A dashed blue line represents Current, which increases linearly from 0 A at 0 torque to approximately 8.1 A at 42 oz-in.</p>	<ul style="list-style-type: none"> <li>Sintered Bronze Bearings</li> <li>2-Pole Stator</li> <li>Ceramic Magnets</li> <li>7-Slot Armature</li> <li>Heavy-Gage Steel Housing</li> <li>Silicon Steel Laminations</li> <li>Copper-Graphite Brushes</li> <li>Diamond-Turned Commutator</li> </ul>
	<b>Complementary Products</b> <ul style="list-style-type: none"> <li>Encoders</li> <li>Gearboxes</li> <li>Brakes</li> </ul>
	<b>Notes</b> <ol style="list-style-type: none"> <li>All values specified at 25°C ambient temperature and without heat sink.</li> <li>Peak values are theoretical and supplied for reference only.</li> </ol>

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. Actual performance will vary depending on the operating environment and application. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For products designed to meet specific applications, contact PITTMAN Motor Sales Department.

### G51A Spur Gearbox (Standard Gears)



Specification	Units	RATIO
		G51A 5.9:1
Maximum Load	oz-in	175
	Nm	1.2355
Weight (Mass)	oz	5.9
	g	167.3
Length (L)	Inches	1.373
	mm	34.9
Exact Ratio	-	230/ 39
Efficiency	-	81
Shaft Rotation	-	CW

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