



Specification	Units	Part/Model Number	071125
Supply Voltage	VDC		27.6
Continuous Torque	oz-in Nm		3.0 0.0212
Speed @ Cont. Torque	RPM		2500
Current @ Cont. Torque	Amps (A)		0.26
Continuous Output Power	Watts (W)		6.0
Motor Constant	oz-in/sqrt W Nm/sqrt W		1.1 0.008
Torque Constant	oz-in/A Nm/A		8.48 0.06
Voltage Constant	V/krpm V/rad/s		6.27 0.06
Winding Resistance	Ohms		61.00
Inductance	mH		25.00
No-Load Current	Amps (A)		0.04
No-Load Speed	RPM		4025
Peak Current	Amps (A)		0.9
Peak Torque	oz-in Nm		8.0 0.0565
Electrical Time Constant	ms		0.41
Mechanical Time Constant	ms		49.0
Thermal Resistance	Celsius/W		5.7
Max. Winding Temperature	Celsius		105
Rotor Inertia	oz-in-sec ² kg-m ²		4.10E-6 2.9E-8
Weight (Mass)	oz g		8.0 226.8

Performance (071125)	Standard Features	Connection Chart						
	<ul style="list-style-type: none"> Sealed Ball Bearings 4-Pole Rotor Ferrite Magnet Integrated Controller 15.0-32.0 VDC Aluminum Housing 	<table border="1"> <thead> <tr> <th>Color/Pin</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>+27.6 VDC</td> </tr> <tr> <td>Black</td> <td>Return</td> </tr> </tbody> </table>	Color/Pin	Function	Red	+27.6 VDC	Black	Return
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<p>Complementary Products</p> <ul style="list-style-type: none"> Gearboxes Brakes High Eff. Mode 								
<p>Notes</p> <ol style="list-style-type: none"> All values specified at 25°C ambient temperature and without heat sink. Peak values are theoretical and supplied for reference only. Recorded with max. winding temperature at 25°C ambient, mounted to a 5.0" x 5.0" x 0.25" heat sink. 								

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.