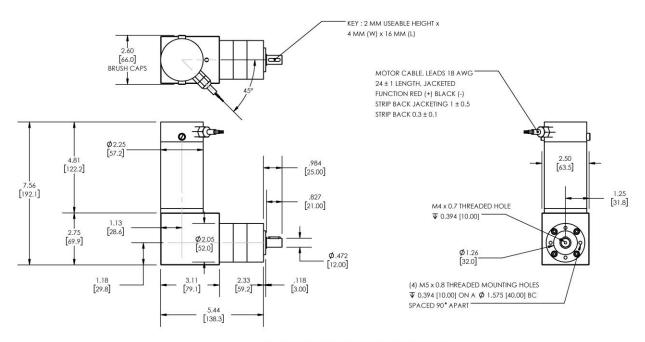


Model Number:

MMP D22-490J-90V GRA52-029



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	28.93 : 1		
Gearhead Shaft Output Speed (at full-load)	89	RPM	MAX
Gearmotor Rated Continuous Torque	66	In-Lbs	MAX
Gearmotor Rated Peak Torque	168++	In-Lbs	
Gearhead Standard Backlash	45	Arc Minutes	MAX
Gearhead Efficiency	75%		
Output Shaft Radial Load Capacity	72	Lbs	MAX
Output Shaft Axial Load Capacity	23	Lbs	MAX
Gearmotor Total Weight	6.5	Lbs	MAX

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	90	DC VOLTS	
Rated Continuous Current	1.6	AMPERES	
No-Load Speed	3614	RPM	MAX
Rated Speed	2573	RPM	+/- 15%
Rated Continuous Power Out	94	WATTS	+/- 15%
Rated Continuous Torque	49	OZ-IN	
Peak Torque (motor only)	124	OZ-IN	
No-Load Current	0.13	AMPERES	MAX
Back EMF Constant (Ke)	24.9	V/KRPM	+/- 10%
Torque Constant (Kt)	33.6	OZ-IN/AMP	+/- 10%
DC Armature Resistance	16.26	OHMS	+/- 15%
Armature Inductance	18.20	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

NOTES:

- ENCODER & BRAKE OPTIONS AVAILABLE FOLLOW THIS LINK FOR DETAILS
- NEMA MOUNTING FLANGE OPTION AVAILABLE FOLLOW THIS LINK FOR DETAILS

MIDWEST MOTION PRODUCTS, INC

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