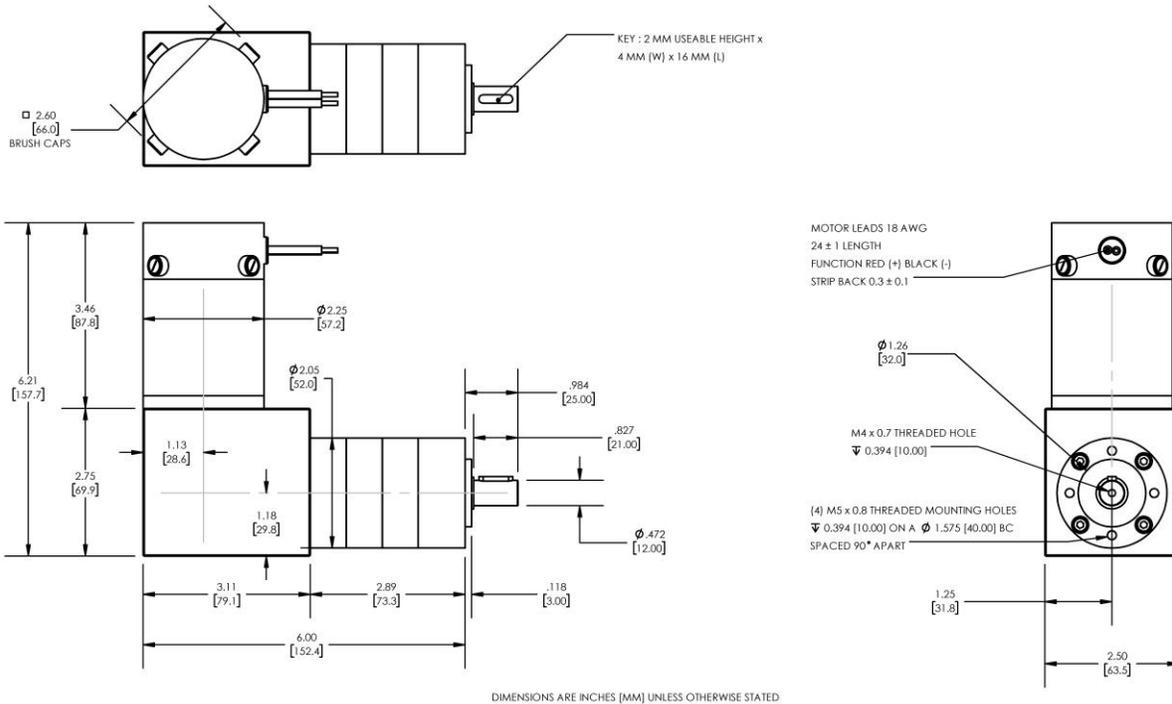




# REVERSIBLE BRUSHED DC RIGHT-ANGLED GEARMOTOR

**Model Number:**

**MMP S22-346K-60V GRA52-093**



PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	92.70 : 1		
Gearhead Shaft Output Speed (at full-load)	33	RPM	MAX
Gearmotor Rated Continuous Torque	243	In-Lbs	MAX
Gearmotor Rated Peak Torque	443++	In-Lbs	----
Gearhead Standard Backlash	48	Arc Minutes	MAX
Gearhead Efficiency	70%	----	----
Output Shaft Radial Load Capacity	102	Lbs	MAX
Output Shaft Axial Load Capacity	34	Lbs	MAX
Gearmotor Total Weight	6.1	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	60	DC VOLTS	----
Rated Continuous Current	3.4	AMPERES	----
No-Load Speed	4027	RPM	MAX
Rated Speed	3058	RPM	+/- 15%
Rated Continuous Power Out	137	WATTS	+/- 15%
Rated Continuous Torque	60	OZ-IN	----
Peak Torque (motor only)	191	OZ-IN	----
No-Load Current	0.42	AMPERES	MAX
Back EMF Constant (Ke)	14.9	V/KRPM	+/- 10%
Torque Constant (Kt)	20.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	4.21	OHMS	+/- 15%
Armature Inductance	1.38	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**

**DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT**

[www.midwestmotion.com](http://www.midwestmotion.com)

email: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)