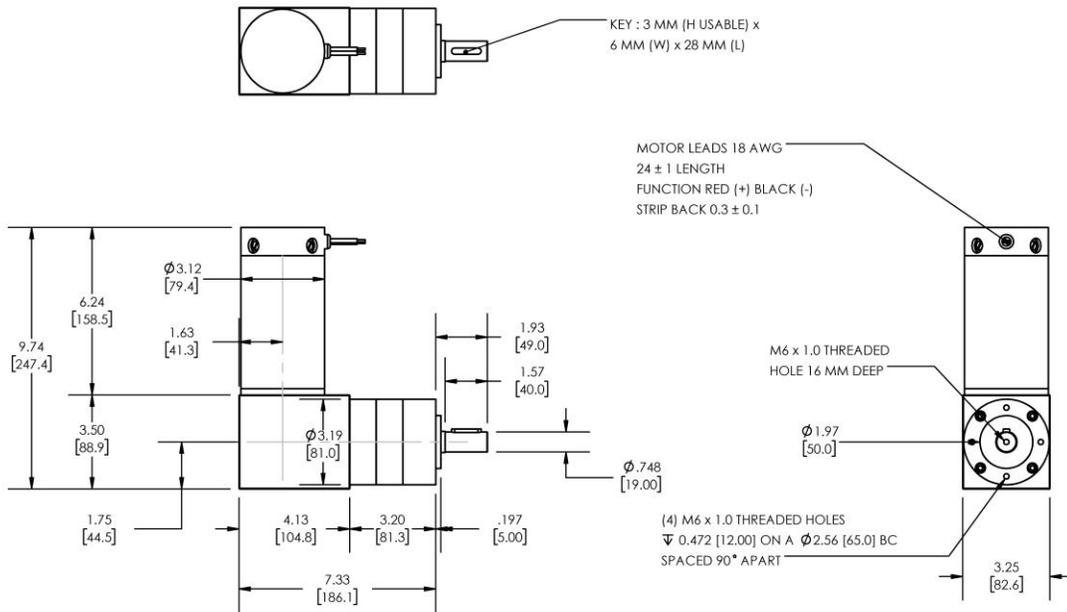


**Model Number:**

**MMP D33-655J-90V GRA81-014**



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	13.73 : 1		
Gearhead Shaft Output Speed (at full-load)	157	RPM	MAX
Gearmotor Rated Continuous Torque	93	In-Lbs	MAX
Gearmotor Rated Peak Torque	444++	In-Lbs	----
Gearhead Standard Backlash	33	Arc Minutes	MAX
Gearhead Efficiency	75%	----	----
Output Shaft Radial Load Capacity	135	Lbs	MAX
Output Shaft Axial Load Capacity	27	Lbs	MAX
Gearmotor Total Weight	17	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	3.2	AMPERES	----
No-Load Speed	2535	RPM	MAX
Rated Speed	2155	RPM	+/- 15%
Rated Continuous Power Out	230	WATTS	+/- 15%
Rated Continuous Torque	144	OZ-IN	----
Peak Torque (motor only)	690	OZ-IN	----
No-Load Current	0.22	AMPERES	MAX
Back EMF Constant (Ke)	35.5	V/KRPM	+/- 10%
Torque Constant (Kt)	48.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance	4.17	OHMS	+/- 15%
Armature Inductance	3.90	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)