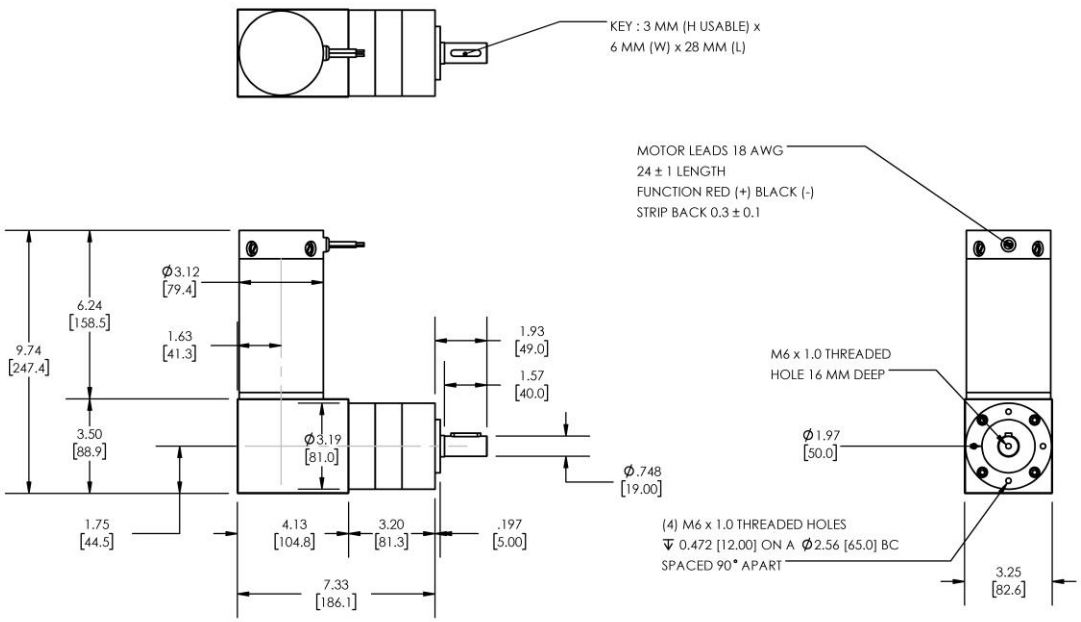
REVERSIBLE BRUSHED
DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP D33-655F-60V GRA81-022



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	22.20 : 1		
Gearhead Shaft Output Speed (at full-load)	171	RPM	MAX
Gearmotor Rated Continuous Torque	147	In-Lbs	MAX
Gearmotor Rated Peak Torque	986++	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	60	DC VOLTS	-----
Rated Continuous Current	8.0	AMPERES	-----
No-Load Speed	4255	RPM	MAX
Rated Speed	3800	RPM	+/- 15%
Rated Continuous Power Out	397	WATTS	+/- 15%
Rated Continuous Torque	141	OZ-IN	-----
Peak Torque (motor only)	947	OZ-IN	-----
No-Load Current	0.57	AMPERES	MAX
Back EMF Constant (Ke)	14.1	V/KRPM	+/- 10%
Torque Constant (Kt)	19.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.81	OHMS	+/- 15%
Armature Inductance	0.54	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