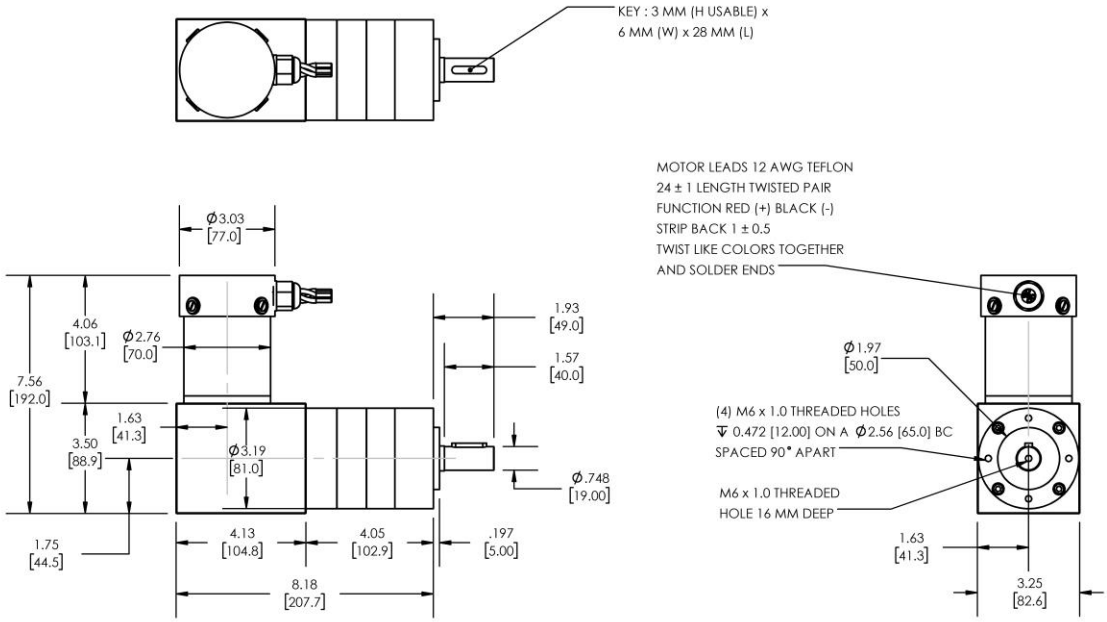
REVERSIBLE BRUSHED
DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP S27-411H-48V GRA81-100



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	99.50 : 1		
Gearhead Shaft Output Speed (at full-load)	31	RPM	MAX
Gearmotor Rated Continuous Torque	509	In-Lbs	MAX
Gearmotor Rated Peak Torque	2124++	In-Lbs	-----
Gearhead Standard Backlash	36	Arc Minutes	MAX
Gearhead Efficiency	70%	-----	-----
Output Shaft Radial Load Capacity	225	Lbs	MAX
Output Shaft Axial Load Capacity	45	Lbs	MAX
Gearmotor Total Weight	14	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	48	DC VOLTS	-----
Rated Continuous Current	7.7	AMPERES	-----
No-Load Speed	3664	RPM	MAX
Rated Speed	3111	RPM	+/- 15%
Rated Continuous Power Out	269	WATTS	+/- 15%
Rated Continuous Torque	117	OZ-IN	-----
Peak Torque (motor only)	605	OZ-IN	-----
No-Load Current	1.13	AMPERES	MAX
Back EMF Constant (Ke)	13.1	V/KRPM	+/- 10%
Torque Constant (Kt)	17.7	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.94	OHMS	+/- 15%
Armature Inductance	0.75	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