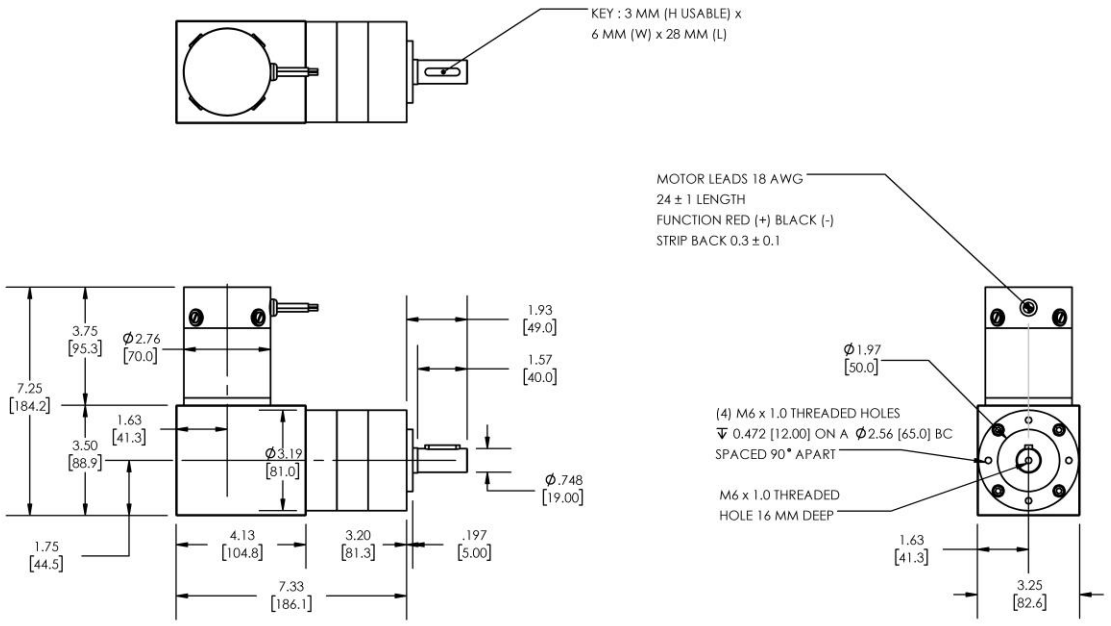
REVERSIBLE BRUSHED
DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP S27-411J-60V GRA81-019



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	19.20 : 1		
Gearhead Shaft Output Speed (at full-load)	128	RPM	MAX
Gearmotor Rated Continuous Torque	106	In-Lbs	MAX
Gearmotor Rated Peak Torque	390++	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	13	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	5.3	AMPERES	-----
No-Load Speed	3125	RPM	MAX
Rated Speed	2462	RPM	+/- 15%
Rated Continuous Power Out	215	WATTS	+/- 15%
Rated Continuous Torque	118	OZ-IN	-----
Peak Torque (motor only)	433	OZ-IN	-----
No-Load Current	0.77	AMPERES	MAX
Back EMF Constant (Ke)	19.2	V/KRPM	+/- 10%
Torque Constant (Kt)	26.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance	2.40	OHMS	+/- 15%
Armature Inductance	1.40	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