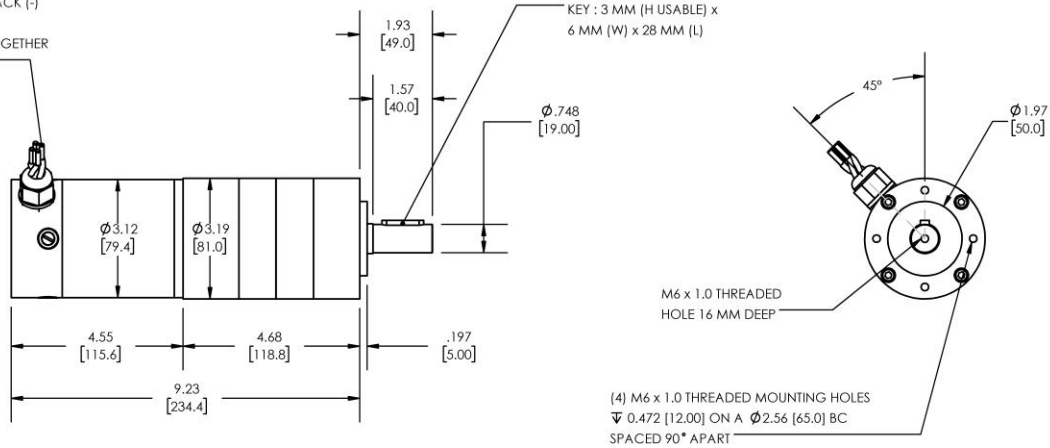


Model Number:
MMP D33-455A-12V GP81-035

MOTOR LEADS 12 AWG TEFLON
 24 ± 1 LENGTH TWISTED PAIR
 FUNCTION RED (+) BLACK (-)
 STRIP BACK 1 ± 0.5
 TWIST LIKE COLORS TOGETHER
 AND SOLDER ENDS



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|--------------|-------------|-----------|
| Gearhead Ratio (exact) | 34.97 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 109 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 136 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 575++ | 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 | 11 | 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 | 12 | DC VOLTS | ---- |
| Rated Continuous Current | 26.0 | AMPERES | ---- |
| No-Load Speed | 4615 | RPM | MAX |
| Rated Speed | 3813 | RPM | +/- 15% |
| Rated Continuous Power Out | 233 | WATTS | +/- 15% |
| Rated Continuous Torque | 83 | OZ-IN | ---- |
| Peak Torque (motor only) | 351 | OZ-IN | ---- |
| No-Load Current | 2.53 | AMPERES | MAX |
| Back EMF Constant (Ke) | 2.6 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 3.5 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 0.08 | OHMS | +/- 15% |
| Armature Inductance | 0.05 | 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

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

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