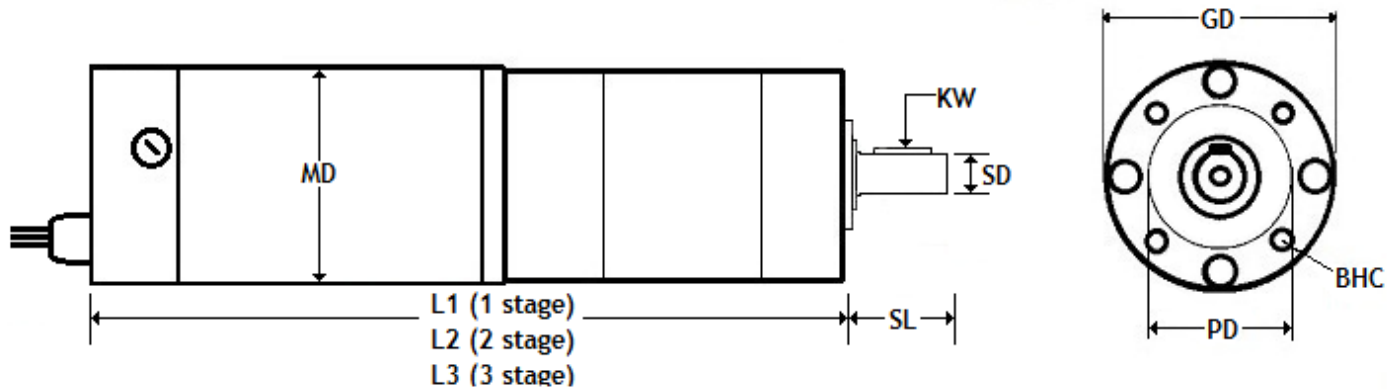




Model Number: **MMP TM57-24V GP52-007**  
 Date: 19, July 2010 Prepared for: Production



**Note:** Shielded, Jacketed Leadwires, 12" Long, exit the Rear End Cap through a "Seal-Tight" Connector

**DIMENSIONS:** (Note: Center of output shaft contains an M-4 threaded hole)  
 MD = 2.25" (57mm) SL = 25mm (usable shaft length = 21mm)  
 L1 = 6.68" (170mm) GD = 2.047 (52mm)  
 KW = 2H x 4W x 16 mm long PD = 32mm, pilot length = 3mm  
 SD = 12mm BHC (dia) = M5 x 10mm deep (4 ea) on a 40mmØ BC

| DC MOTOR PERFORMANCE PARAMETERS:           | VALUE    | UNITS       | TOLERANCE |
|--|----------|-------------|-----------|
| Rated DC Voltage                           | 24.0     | DC VOLTS    | -----     |
| Rated Continuous Current                   | 3.8      | AMPERES     | -----     |
| No-Load Speed                              | 5000     | RPM         | MAX       |
| Rated Speed                                | 4400     | RPM         | +/- 15%   |
| Rated Continuous Power out                 | 81       | WATTS       | +/- 15%   |
| Rated Continuous Torque                    | 25.0     | OZ-IN       | -----     |
| Peak Torque (motor only)                   | 130      | OZ-IN       | -----     |
| No-Load Current                            | 0.62     | AMPERES     | MAX       |
| Back EMF Constant (Ke)                     | 4.8      | V/KRPM      | +/- 10%   |
| Torque Constant (Kt)                       | 6.5      | OZ-IN/AMP   | +/- 10%   |
| DC Armature Resistance (@1.5 amps)         | 0.4      | OHMS        | +/- 15%   |
| Armature temperature                       | 155      | DEG. C      | MAX       |
| PLANETARY GEARMOTOR OUTPUT PARAMETERS:     | VALUE    | UNITS       | TOLERANCE |
| Gearhead Ratio (exact)                     | 6.75 : 1 |             |           |
| Gearmotor Rated Continuous Torque          | 8        | IN-LBS      | MAX       |
| Gearmotor Rated Peak Torque                | 70++     | IN-LBS      | MAX       |
| Gearhead Shaft Output Speed (at full-load) | 652      | RPM         | -----     |
| Gearhead Standard Backlash                 | 42       | ARC MINUTES | MAX       |
| Gearhead Efficiency                        | 80%      | -----       | -----     |
| Gearmotor Total Weight                     | 57.8     | OZ          | MAX       |

**++ All Peak Torque Values are dependent upon duty. Kindly consult our Sales Offices for details.**

THIS ROBUST, TENV DESIGN WITH 'TRUE PLANETARY GEARING' IS OFFERED BY:  
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