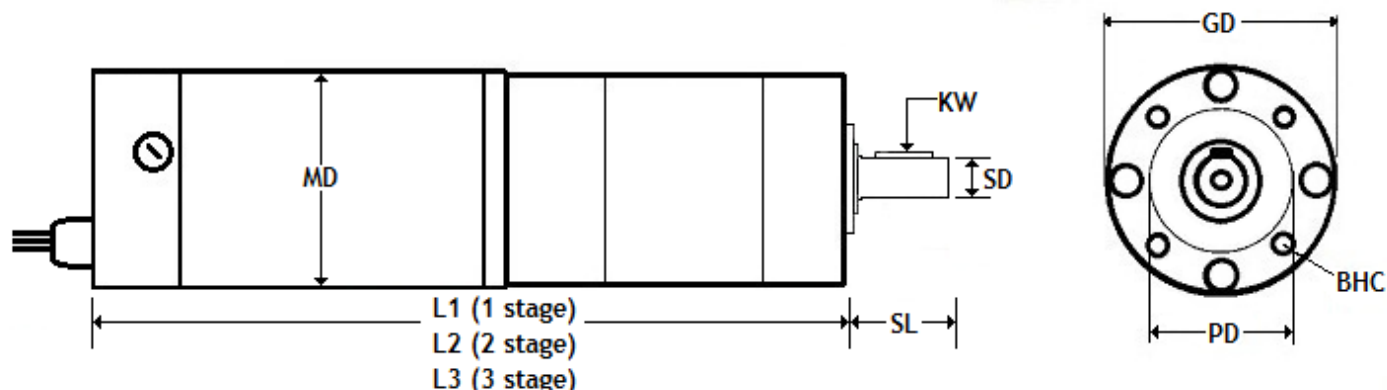




Model Number: **MMP TM57-12V GP52-308**  
 Date: 19, July 2010    Prepared for: Production



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

**DIMENSIONS:**

MD = 2.25" (57mm)

L3 = 7.79" (198mm)

KW = 2H x 4W x 16 mm long

SD = 12mm

(Note: Center of output shaft contains an M-4 threaded hole)

SL = 25mm (usable shaft length = 21mm)

GD = 2.047 (52mm)

PD = 32mm, pilot length = 3mm

BHC (dia) = M5 x 10mm deep (4 ea) on a 40mmØ BC

**DC MOTOR PERFORMANCE PARAMETERS:**

|                                    | VALUE | UNITS     | TOLERANCE |
|------------------------------------|-------|-----------|-----------|
| Rated DC Voltage                   | 12.0  | DC VOLTS  | ----      |
| Rated Continuous Current           | 7.8   | 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                    | 1.25  | AMPERES   | MAX       |
| Back EMF Constant (Ke)             | 2.4   | V/KRPM    | +/- 10%   |
| Torque Constant (Kt)               | 3.2   | OZ-IN/AMP | +/- 10%   |
| DC Armature Resistance (@1.5 amps) | 0.25  | OHMS      | +/- 15%   |
| Armature temperature               | 155   | DEG. C    | MAX       |

**PLANETARY GEARMOTOR OUTPUT PARAMETERS:**

|                                            | VALUE             | UNITS       | TOLERANCE |
|--------------------------------------------|-------------------|-------------|-----------|
| Gearhead Ratio (exact)                     | 307.54 : 1        |             |           |
| Gearmotor Rated Continuous Torque          | 336               | IN-LBS      | MAX       |
| Gearmotor Rated Peak Torque                | 443 <sup>++</sup> | IN-LBS      | MAX       |
| Gearhead Shaft Output Speed (at full-load) | 14                | RPM         | ----      |
| Gearhead Standard Backlash                 | 48                | ARC MINUTES | MAX       |
| Gearhead Efficiency                        | 70%               | ----        | ----      |
| Gearmotor Total Weight                     | 71.6              | 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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