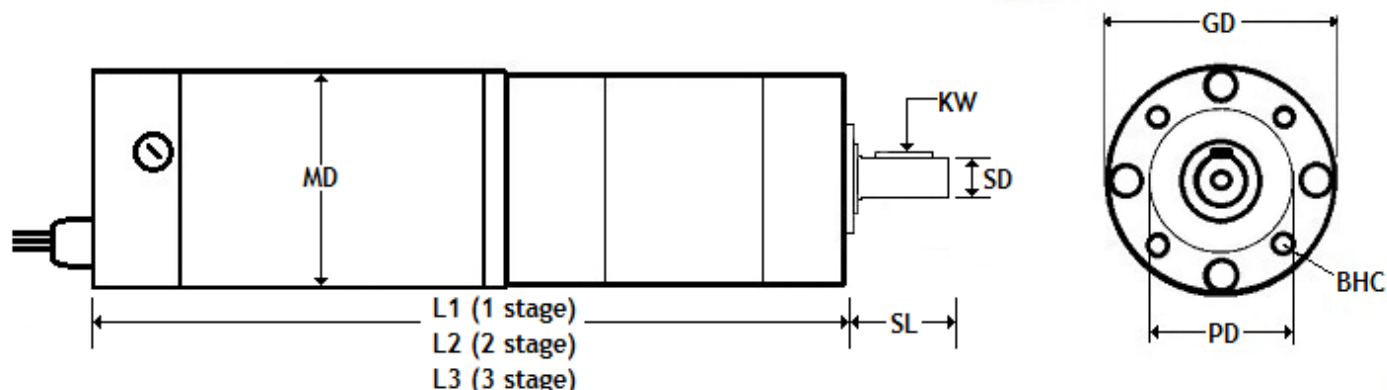




Model Number: **MMP TM57-12V GP52-014**
 Date: 19, July 2010 Prepared for: Production



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

DIMENSIONS:

MD = 2.25" (57mm)

L2 = 7.23" (184mm)

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)	13.73 : 1		
Gearmotor Rated Continuous Torque	16	IN-LBS	MAX
Gearmotor Rated Peak Torque	212 ⁺⁺	IN-LBS	MAX
Gearhead Shaft Output Speed (at full-load)	320	RPM	----
Gearhead Standard Backlash	45	ARC MINUTES	MAX
Gearhead Efficiency	75%	----	----
Gearmotor Total Weight	64.7	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:

MIDWEST MOTION PRODUCTS

Design, Manufacturing & Distribution - Motion Control Equipment

10761 Ahern Avenue SW Watertown, MN 55388

Phone: 952-955-2626

Fax: 480-247-4096

www.midwestmotion.com

email: sales@midwestmotion.com