



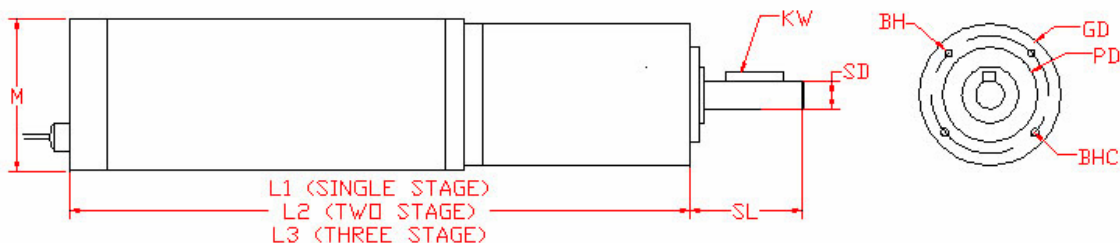
STANDARD PRODUCT

Date: 12/01/2008

Prepared for: Production

Planetary Gearmotor

Model Number: MMP TM55-24V GP52-059



NOTE: TWIN JACKETED LEADWIRES EXIT THE REAR END CAP VIA A "SEAL-TITE" CONNECTOR

Dimensions:

Note: The center of the gearhead's output shaft has an M4 threaded hole, 20mm deep

M= 2.17" (55mm)

SL= 25mm

L (3) =7.75" (196mm)

GD= 2.047" (52mm)

KW= 4x4x16 mm

PD= 32mm, Pilot Length = 3mm

SD= 12 m, + 0, -18µm

BHC (dia.) =M5x10mm dp(4ea) 40mm BCD

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	24.0	VOLTS	----
RATED CONTINUOUS CURRENT	3.8	AMPERE	----
RATED CONTINUOUS TORQUE	23.0	OZ - IN	----
RATED SPEED	4600	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	78	WATTS	+/- 15%
NO LOAD SPEED	5000	RPM	MAX
NO LOAD CURRENT	0.62	AMPS	MAX
BACK EMF CONSTANT (Ke)	4.8	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	6.5	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.90	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE (motor-only)	120	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARHEAD RATIO	59:1		
GEARMOTOR RATED CONTINUOUS TORQUE	60	LB-IN.	MAX
GEARMOTOR RATED PEAK TORQUE	443++	LB-IN.	MAX
GEARHEAD SHAFT OUTPUT SPEED (@ F.L.)	78	RPM	----
GEARHEAD STANDARD BACKLASH	48	Arc Minutes	MAX
GEARHEAD EFFICIENCY	70%		
GEARMOTOR TOTAL WEIGHT	48	OUNCES	MAX

NOTE: TENV DESIGN; MEETS IP-54 STANDARD ~ TRUE PLANETARY GEARHEAD ~ BALL BEARINGS

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

Midwest Motion Products
Design, Manufacturing & Distribution – Motion Control Equipment

10761 Ahern Avenue S. E. Watertown, MN. 55388

Phone: 952-955-2626 Fax: 480-247-4096

www.midwestmotion.com

email: randy@midwestmotion.com