

STANDARD PRODUCT

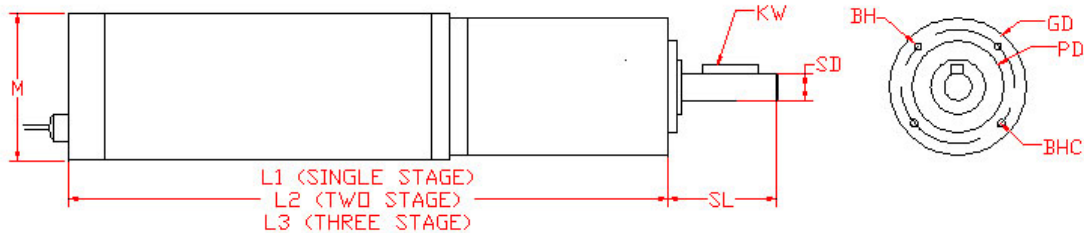


Date: 11/30/2007

Prepared for: Production

Planetary Gearmotor

Model Number: MMP TM55-12V GP52-169



NOTE: TWIN JACKETED LEADWIRES, 11" LONG, EXIT THE REAR END CAP THRU A "SEAL-TITE" CONNECTOR

Dimensions:

M= 2.13" (54mm)

L (3) =7.75" (197mm)

KW= 4x4x16 mm

SD= 12 mm

Note: The Center of the Output Shaft contains an M-4 Threaded Hole, 20mm deep

SL= 25mm

GD= 2.047" (52mm)

PD= 32mm, Pilot Length = 5mm

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

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	@12.0	VOLTS	----
RATED CONTINUOUS CURRENT	7.5	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	1.2	AMPS	MAX
BACK EMF CONSTANT (Ke)	2.4	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	3.3	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.30	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE (motor-only)	120	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARBOX RATIO	169:1		
GEAR MOTOR RATED CONTINUOUS TORQUE	170	LB-IN.	MAX
GEAR MOTOR PEAK TORQUE	444++	LB-IN.	MAX
GEARBOX SHAFT OUTPUT SPEED (@ F.L.)	27	RPM	----
GEARBOX STANDARD BACKLASH	48	Arc Minutes	MAX
GEARBOX EFFICIENCY	70%		
GEARMOTOR TOTAL WEIGHT	48	OUNCES	MAX

NOTE: TENV DESIGN; MEETS IP-54 STANDARD ~ TRUE PLANETARY GEARING ~ BALL BEARINGS
++ All Peak Torque Values are dependent upon duty. Kindly consult our Sales Offices for further details

MIDWEST MOTION PRODUCTS

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