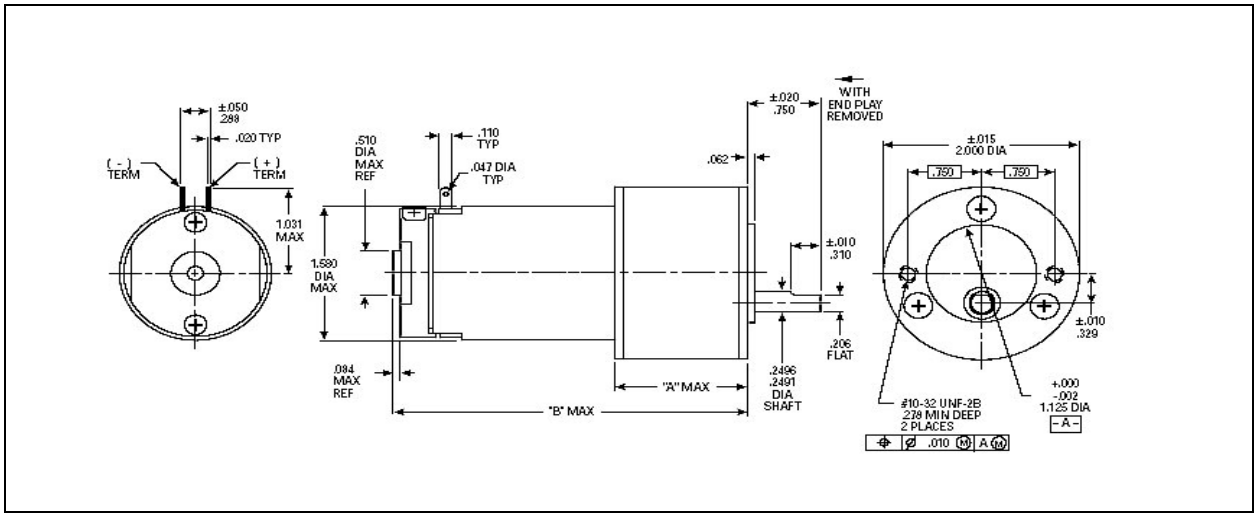
STANDARD PRODUCT

MIDWEST MOTION PRODUCTS
"NEW CONCEPTS IN MOTION...AND SERVICE"

Date: 10/31/2008 **Prepared for:** Production

DC Gearmotor **Model Number:** MMP G15-12V GS-65.53



DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	**12.0**	VOLTS	- - - -
RATED CONTINUOUS CURRENT	**1.36**	AMPERE	- - - -
RATED CONTINUOUS TORQUE	**4.0**	OZ - IN	- - - -
RATED SPEED	**4800**	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	**14**	WATTS	+/- 15%
NO LOAD SPEED	**5400**	RPM	MAX
NO LOAD CURRENT	**0.34**	AMPS	MAX
BACK EMF CONSTANT (Ke)	**2.2**	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	**2.95**	OZ –IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	**2.5**	OHMS	+/- 15%
ARMATURE TEMP	**155**	DEGR. C	MAX
PEAK TORQUE	**15**	OZ - IN	- - - -
GEARMOTOR OUTPUT PARAMETERS:			
GEARHEAD RATIO	**65.53 : 1**		
GEARHEAD RATED TORQUE	**173**	OZ - IN	MAX
GEARHEAD RATED PEAK (Momentary) TORQUE	**300**	OZ - IN	MAX
GEARHEAD SHAFT OUTPUT SPEED	**73**	RPM	- - - -
GEARHEAD EFFICIENCY	**66**	%	
GEARMOTOR TOTAL WEIGHT	**20**	OUNCES	MAX
"L" MAXIMUM O/A LENGTH **	**3.677**	INCHES	MAX.

++ 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