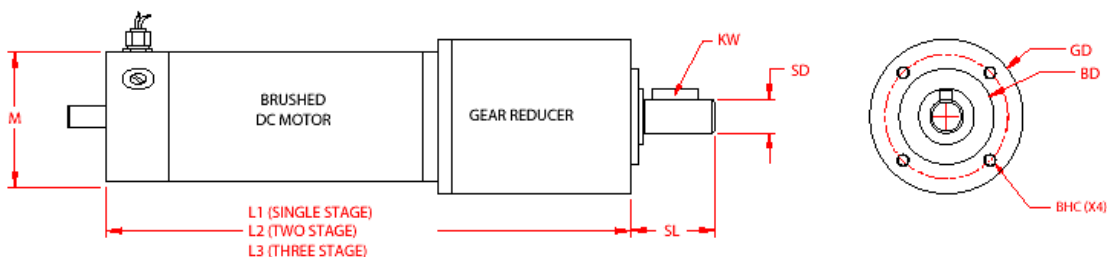


STANDARD PRODUCT**Date:** 01/25/2006**Prepared for:** Production**Customer :** TBD**Model Number:** MMP TM40-36-24V GP42-236

PLEASE NOTE: THE REAR SHAFT EXTENSION SHOWN IS STANDARD, MEASURING 0.1875" DIAMETER BY 0.662" LONG

Dimensions:**M=** 40mm (1.57") dia.**L (3) =** 172mm (6.8")**KW=** 3x3x16mm**SD=** 8mm (0.315")**SL=** 25mm (0.98")**GD=** 42mm (1.65")**BD=** 25mm (0.98")**BHC (dia.)=** M4, 10mm deep, on a 36mm Dia. BHC

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	@ 24.0	VOLTS	----
RATED CURRENT	2.2	AMPERE	----
RATED TORQUE	12.0	OZ - IN	----
RATED SPEED @ F.L.	4000	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	36	WATTS	+/- 15%
NO LOAD SPEED	5000	RPM	MAX
NO LOAD CURRENT	0.150	AMPS	MAX
BACK EMF CONSTANT	4.8	V/KRPM	+/- 10%
TORQUE CONSTANT	6.5	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	4.2	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE (of motor-only)	54	OZ - IN	----
GEARMOTOR OUPUT PARAMETERS:			
GEARBOX RATIO	236: 1		
GEARBOX RATED CONTINUOUS TORQUE	88	LB-IN.	MAX
GEARBOX RATED PEAK TORQUE	195	LB-IN.	MAX
GEARBOX SHAFT OUTPUT SPEED (@ F.L.)	17	RPM	----
GEARBOX STANDARD BACKLASH	54	Arc Minutes	MAX
GEARBOX EFFICIENCY	70	%	
GEARMOTOR TOTAL WEIGHT	40	OUNCES.	MAX

THIS "TENV" DESIGN MEETS THE "IP-53" STANDARD FOR OPERATION IN HARSH ENVIRONMENTS ~ ALL STEEL PLANETARY GEARS ~ BALL BEARINGS

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