



- NOTES:  
 1. MOTOR AND GEARHEAD JOINTS SEALED.  
 2. ABEC 3 BALL BEARINGS.

MOTOR CHARACTERISTICS			
RATED VOLTAGE D.C.	24	VOLTS	
RATED CURRENT	61	AMPS	
RATED TORQUE	4	OZ-IN	
RATED SPEED	450	RPM	+/-1.5%
RATED POWER OUT	1.45	WATTS	+/-1.5%
NO LOAD SPEED	500	RPM	+/-1.5%
NO LOAD CURRENT	0.36	AMPS	MAX
BACK EMF CONSTANT	43	V/KRPM	+/-1.0%
TORQUE CONSTANT	58	OZ-IN/AMP	+/-1.0%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.47	OHMS	+/-1.5%
STATIC FRICTION	1	OZ-IN	MAX
ENDPLAY WITH 5 POUND REVERSING	0.005	INCHES	MAX
SHAFT TIR	0.001	INCHES	MAX
ARMATURE INERTIA	0.007	OZ-IN/SEC2	REF

GEAR DATA			
GEAR RATIO	42:1		
EFFICIENCY	85	%	
OUTPUT TORQUE	104	IN-LB	
SIDE LOAD	400	LBS	MAX
OUTPUT SPEED	100	RPM	+/-1.5%
BACKLASH	10	ARC-MIN	NO LOAD
PEAK TORQUE	447	IN-LB	MAX

MS223D-DD/C/C P-DA9/C/C P-DA9/C  
 GEARMOTOR