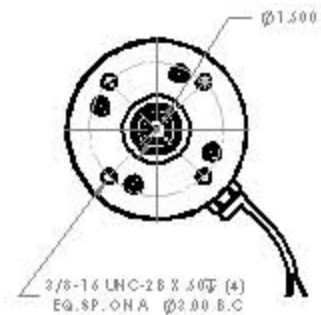


DIRECTION OF MOTOR ROTATION
WITH + APPLIED TO #1 LEAD WIRE
AND VIEWED FROM THIS END.
CW



MOTOR CHARACTERISTICS			
RATED VOLTAGE D.C.	12	VOLTS	
RATED CURRENT	18.5	AMPS	
RATED TORQUE	75	OZ-IN	
RATED SPEED	4000	RP.M	+/-1.5%
RATED POWER OUT	222	WATTS	+/-1.5%
NO LOAD SPEED	4500	RP.M	+/-1.5%
NO LOAD CURRENT	2.5	AMPS	MAX
BACK EMF CONSTANT	2.4	V/KRPM	+/-10%
TORQUE CONSTANT	3.2	OZ-IN/AMP	+/-1.5%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.10	OHMS	+/-1.5%
STATIC FRICTION	7	OZ-IN	MAX
END PLAY WITH 5 POUND REVERSING	0.005	INCHES	MAX
SHAFT IR	0.002	INCHES	MAX
ARMATURE INERTIA	0.022	OZ-IN/SEC ²	REF
MOTOR WEIGHT	12.1	LBS.	REF

GEAR DATA			
GEAR RATIO	20:1		
EFFICIENCY	8.6	%	
Ø LEPLE TO TORQUE	80	IN-LBS	
SIDE LOAD	2.5	LBS	MAX
Ø LEPLE SPEED	200	RP.M	+/-1.5%
BACKLASH	2	DEGREES	IN Ø LOAD
PEAK TORQUE	200	IN-LB	MAX

OPERATING LIMITS			
SPEED	5000	RP.M	MAX
ARMATURE TEMPERATURE	155	DEGREES C	MAX

M82 112-99/GM-020/C
SEALED MOTOR