



MOTOR CHARACTERISTICS			
RATED VOLTAGE D.C.	28	VOLTS	
RATED CURRENT	1	AMPS	
RATED TORQUE	12	IN-OZ	
RATED SPEED	1500	RPM	+/-15%
NOMINAL POWER	30	WATTS	+/-15%
NO LOAD SPEED	3000	RPM	+/-15%
NO LOAD CURRENT	0.2	AMPS	+/-10%
TORQUE CONSTANT	12.43	OZ-IN/A	+/-10%
PEAK TORQUE	44	IN-OZ	
BACK EMF CONSTANT	9.2	V/KRPM	
MOMENT OF INERTIA		IN-OZ/SEC ²	+/-10%
WEIGHT	9	OZ	MAX

GEAR DATA			
GEAR RATIO	50:1		
EFFICIENCY	90	%	
OUTPUT TORQUE	18	IN-LB	CONT.
SIDE LOAD	23	LBS	MAX
OUTPUT SPEED	60	RPM	+/-1.5%
BACKLASH	20	ARC-MIN	NO LOAD
PEAK TORQUE	36	IN-LB	MAX

PHASE A	RED
PHASE B	BLACK
PHASE C	WHITE

ENCODER DATA						
*1000 LINE, TWO CHANNEL QUADRATURE OUTPUT WITH INDEX						
*5VDC INPUT POWER, OPEN COLLECTOR OUTPUT						
ENCODER PINOUT:	PIN 1	BLK	GND	PIN 5	WHT/BLK	CH B
	PIN 2	GRN	INDEX	PIN 6	ORG	HALL 1
	PIN 3	GRN/BLK	CH A	PIN 7	BLUE	HALL 2
	PIN 4	RED	+VCC	PIN 8	WHT	HALL 3
					RED/BLK	N/C

