

MOTOR DATA @ 230 VAC (SINE)

MOTOR PARAMETERS	UNITS	VALUE
MOTOR HORSEPOWER	HP RATED	1.3
	KW RATED	1.0
MAX OPERATING SPEED	N MAX	3600
SPEED @ RATED TORQUE	N RATED	3000
* CONTINUOUS RATED TORQUE @ 3000 RPM	IN-LBS(Nm)	28.0(3.2)
* CONTINUOUS STALL TORQUE	IN-LBS(Nm)	38.0(4.3)
CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	4.2
PEAK CURRENT	AMPS(RMS/Φ)	11.4(1.2.9)
MAX THEORETICAL ACCEL	FT/D/SEC ²	12.7
TORQUE SENSITIVITY	IN-LBS/(RMS/Φ)	60.0(0.0)
BACK EMF (LINE TO LINE)	Vrms/Krpm	8.8(1.99)
D.C. RESISTANCE (P-P)	OHMS	55.0
INDUCTANCE (P-P)	MILLIHENRIES	3.2
ROTOR INERTIA	gm(IN-LBS-SEC ²)KG-M ²	15.3
STATIC FRICTION	gf(IN-LBS(Nm))	.0019(.00021)

*25°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 100°C ON MOTOR. MOTOR MOUNTED ON A 12" X 12" X 1/2" ALUMINUM HEATSINK. THERMOSTAT IN STATOR WINDINGS WILL OPEN IF WINDING TEMPERATURE EXCEEDS 155°C. THIS ALLOWS FOR AN APPROXIMATE +10% HEADROOM IN THE CONTINUOUS TORQUE RATING BEFORE THERMOSTAT OPENS.

MECHANICAL NOTES:

- AXIAL LOAD: 50 LBS MAX
- RADIAL LOAD: 100 LBS MAX @ 1" FROM FACE
- MOTOR SEALED TO IP65.
- MOTOR WEIGHT: 13.0 LBS. [5.9 Kg]
- MOTOR FINISH: BLACK EPOXY
- MOTOR OUTPUT SHAFT: STAINLESS STEEL
- INCHES (MILLIMETERS)

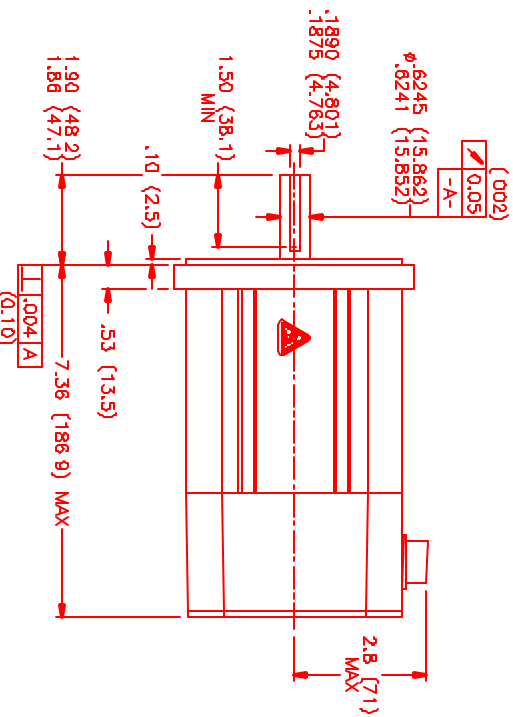
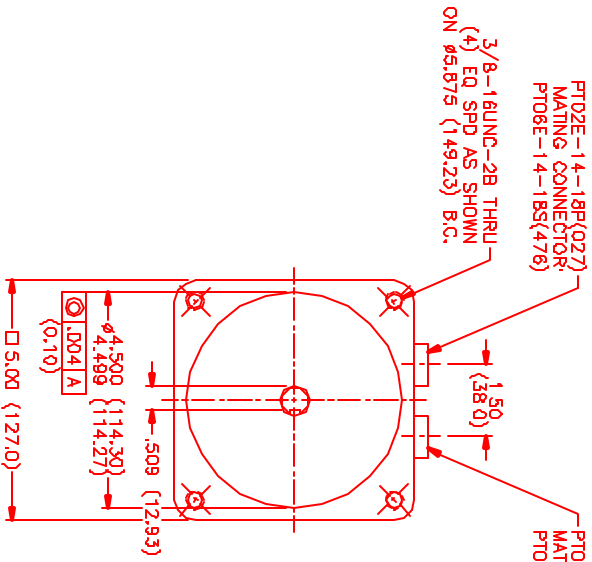
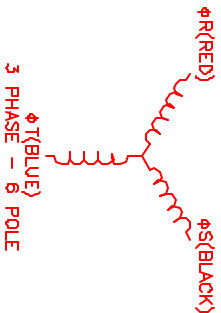
ENCODER: (290-00084)
D1H48-1000P6-L6-SV

CONNECTION CHART
MOTOR CONNECTOR:
PT02E-14-5P(027)
(270-00026)

MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR
A	ΦR	RED
B	ΦS	BLACK
C	ΦT	BLUE
D	PE GND	GRN/YEL
E	-	-

ENCODER/THERM CONNECTOR:
PT02E-14-18P(027)
(270-00024)

ENG/THERM WIRE LEADS	PIN	WIRE FUNCTION	WIRE COLOR
T	GROUND	GROUND	BLACK
K	+5VDC	RED	RED
B	CH A	BLUE	BLUE
C	CH A\	BLUE/BLK	BLUE/BLK
N	CH B	GREEN	GREEN
P	CH B\	GRN/BLK	GRN/BLK
M	CH Z	YELLOW	YELLOW
U	CH Z\	YEL/BLK	YEL/BLK
E	CH U	BROWN	BROWN
R	CH U\	BRN/BLK	BRN/BLK
F	CH V	GRAY	GRAY
S	CH V\	GRAY/BLK	GRAY/BLK
Q	CH W	WHITE	WHITE
H	CH W\	WHT/BLK	WHT/BLK
D	GND/CABLE	SHLD	SHLD
A	THERM	BLACK	BLACK
L	THERM	BLACK	BLACK
J	GND	GRN/YEL	GRN/YEL



MOTOR & HALL POSITION CHART

HALL LEADS	BROWN	GRAY	WHITE
MOTOR LEADS	BLACK (connect to RED)	RED (connect to BLUE)	BLUE (connect to BLACK)

MOTOR POSITION ONLY (CUSTOMER CUSTOMER)
(LOOKING AT THE FACE OF THE MOTOR)

NO.	PART NUMBER	DESCRIPTION	QTY.
1	290-00084	ENCODER	1
2	270-00026	MOTOR CONNECTOR	1
3	270-00024	ENCODER/THERM CONNECTOR	1
4	140ASG6JM1N	MOTOR	1

REV.	REVISIONS	DATE	APP'D.
1	ISSERATION	11/16/00	ALS
2	PRELIMINARY		