

② MOTOR DATA @ 230 VAC (SINE)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP	.22
KILOWATTS	KW RATED	.16
MAX. OPERATING SPEED	N. MAX RPM	5000
SPEED @ RATED TORQUE	RPM	4000
* CONTINUOUS RATED TORQUE @ 4000 RPM	IN-LBS[Nm]	3.4/.38
* CONTINUOUS STALL TORQUE	IN-LBS[Nm]	5.0/.56
CONTINUOUS LINE CURRENT	AMPS(RMS/φ)	1.1
PEAK TORQUE	IN-LBS[Nm]	15.1/1.7
PEAK CURRENT	AMPS(RMS/φ)	3.4
MAX. THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	155.6/70
TORQUE SENSITIVITY	Kt [N-LBS/AMP(RMS)/φ][Nm/AMP(RMS/φ)]	4.5/.51
BACK EMF (LINE TO LINE)	Vrms/Krpm	28.3
D.C. RESISTANCE (P-P)	OHMS	18.5
INDUCTANCE (P-P)	MILLIHENRIES	26.4
ROTOR INERTIA	Jm [IN-LBS-SEC <sup>2</sup> ][Kg-M <sup>2</sup> ]	.000097/.0000109
STATIC FRICTION	Tf	.5[.06]

\*25°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 100°C ON MOTOR. MOTOR MOUNTED ON A 10" X 10" X 1 1/4" 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: 15 LBS MAX
- RADIAL LOAD: 20 LBS MAX @ 1" FROM FACE
- MOTOR SEALED TO IP65.
- MOTOR WEIGHT: 2.6 LBS. [ 1.2 kg]
- MOTOR FINISH: BLACK EPOXY
- MOTOR OUTPUT SHAFT: STAINLESS STEEL
- INCHES (MILLIMETERS)

ENCODER: (290-00056)

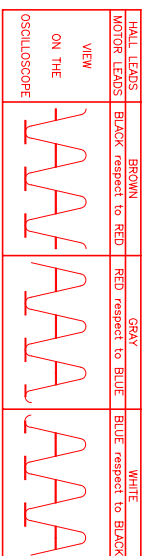
OH35-2000P4-L6-5V

CONNECTION CHART

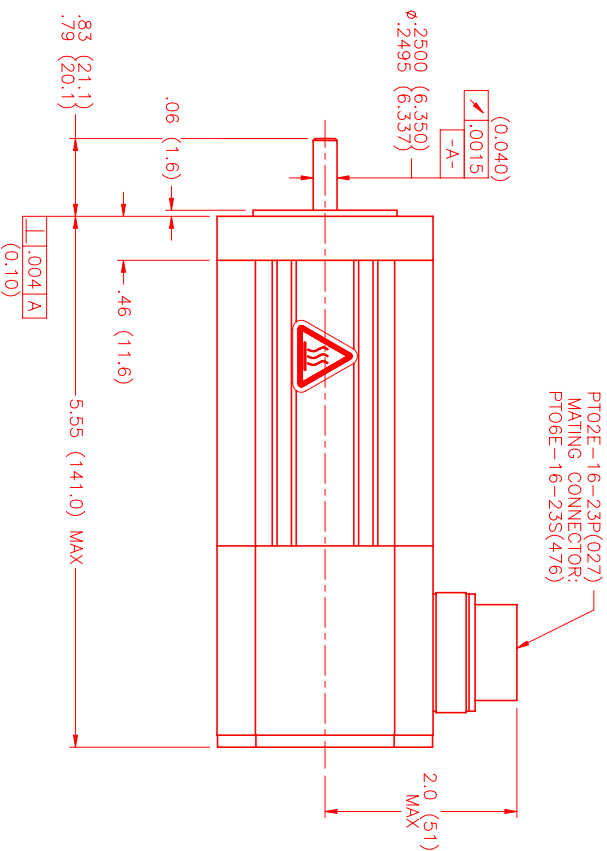
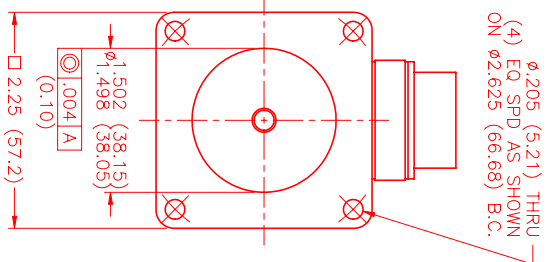
MOTOR/ENCODER/THERM CONNECTOR:  
PT02E-16-23P(027)  
(270-00219)

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

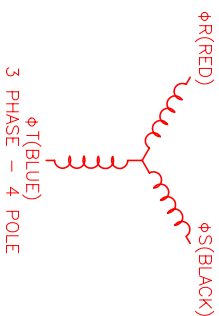
MOTOR	WIRE	WIRE LEADS
PIN	FUNCTION	COLOR
A	φR	RED
B	φS	BLACK
C	φT	BLUE
D	PE GND	GRN/YEL



\*MOTOR ROTATION Ccw (COUNTER CLOCKWISE) (LOOKING AT THE FACE OF THE MOTOR)



PT02E-16-23P(027)  
MATING CONNECTOR:  
PT06E-16-23S(476)



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A	E.C.O. - 604	11/17/00	MVS

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