

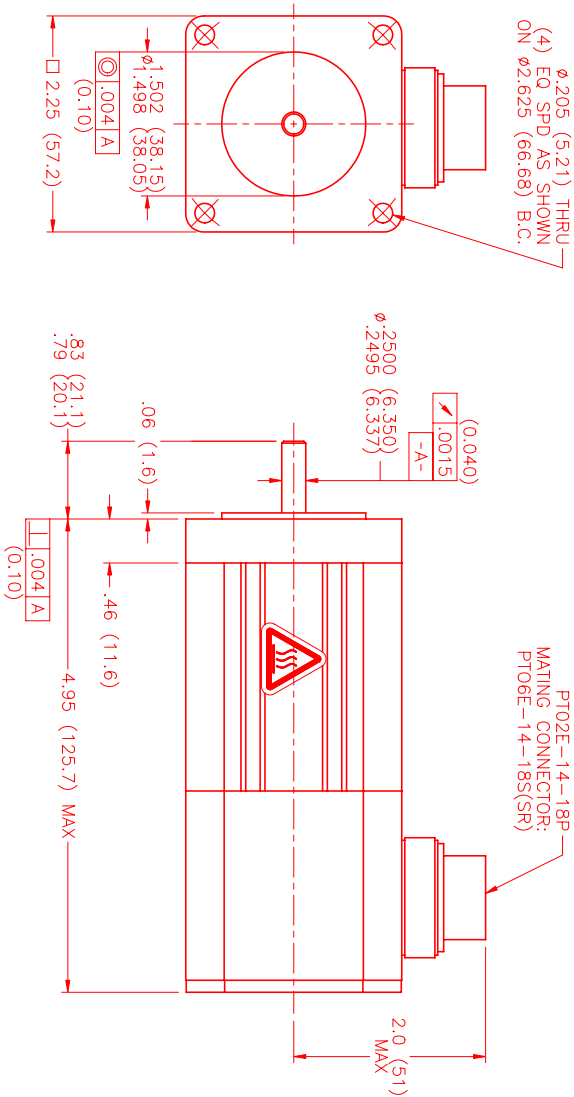
MOTOR DATA @ 110 VAC (TRAP)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP	.09
KILOWATTS	KW	.07
MAX. OPERATING SPEED	N MAX RPM	3000
SPEED @ RATED TORQUE	N RATED RPM	2500
* CONTINUOUS RATED TORQUE @ 2500 RPM	IN-LBS[Nm]	2.31(.26)
* CONTINUOUS STALL TORQUE	IN-LBS[Nm]	2.6(.29)
CONTINUOUS LINE CURRENT	AMPS	1.53
PEAK TORQUE	IN-LBS[Nm]	7.8(0.9)
PEAK CURRENT	AMPS	5.0
MAX. THEORETICAL ACCEL.	RAD/SEC ²	118.182
TORQUE SENSITIVITY	Kt IN-LBS/AMP[Nm/AMP]	2.0(.23)
BACK EMF (LINE TO LINE)	Vrms/Krpm	18.0
D.C. RESISTANCE (P-P)	OHMS	31.9
INDUCTANCE (P-P)	MILLIHENRIES	29.4
ROTOR INERTIA	Jm IN-LBS-SEC ² [Kg-M ²]	.000066(.0000075)
STATIC FRICTION	TF IN-LBS[Nm]	.35(.040)

*25°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 100°C ON MOTOR. MOTOR MOUNTED ON A 10" X 10" X 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.

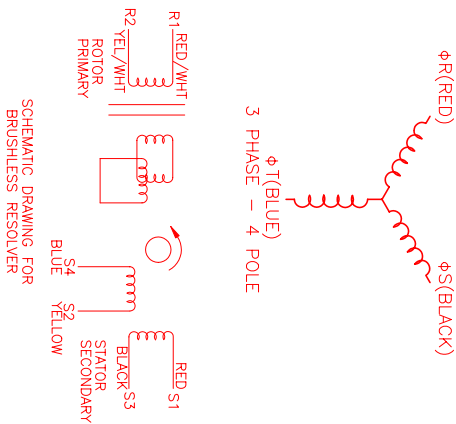
MECHANICAL NOTES:

1. AXIAL LOAD: 15 LBS MAX
2. RADIAL LOAD: 20 LBS MAX @1" FROM FACE
3. MOTOR SEALED TO IP65.
4. MOTOR WEIGHT: 2.2 LBS. [1.0 kg]
5. MOTOR FINISH: BLACK EPOXY
6. MOTOR OUTPUT SHAFT: STAINLESS STEEL
7. INCHES (MILLIMETERS)



CONNECTION CHART MOTOR/THERM/RESOLVER CONNECTOR: PT02E-14-18P (270-00024)

MTR/THERM/RES	WIRE FUNCTION	WIRE COLOR	LEADS
A	ΦR	RED	
B	ΦS	BLACK	
C	ΦT	BLUE	
D	PE GND	GRN/YEL	
U	THERM	BLACK	
N	THERM	YELLOW	
H	SIN	BLACK	
G	COS GND	BLACK	
S	COS	RED	
F	SIN GND	BLUE	
R	REF GND	YEL/WHI	
E	REF	RED/WHI	
J	RES SHLD	GRN/YEL	
K	-	-	
L	-	-	
M	-	-	
P	-	-	
T	-	-	



REV#	DESCRIPTION	DATE	APPD.
1	PRELIMINARY	4/11/00	LIN

NO.	PART NUMBER	DESCRIPTION	QTY.
1	8"/TRAP/110/ENG/RES/CONN	MPM661BTF6G1N	1

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