

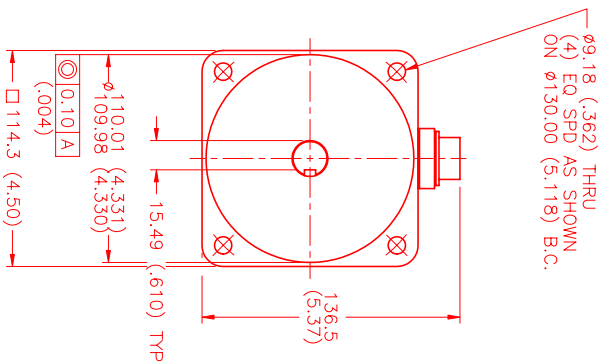
MOTOR DATA @ 230 VAC (TRAP)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP RATED	1.2
KILOWATTS	KW RATED	.88
MAX. OPERATING SPEED	N. MAX RPM	2100
SPEED @ RATED TORQUE	N RATED RPM	1500
* CONTINUOUS RATED TORQUE @ 3000 RPM	N-LBS[Nm]	50.0[5.6]
* CONTINUOUS STALL TORQUE	N-LBS[Nm]	54.0[6.1]
CONTINUOUS LINE CURRENT	AMPS	4.4
PEAK TORQUE	N-LBS[Nm]	189.1[21.3]
PEAK CURRENT	AMPS	15.3
MAX. THEORETICAL ACCEL.	RAD/SEC ²	72.961
TORQUE SENSITIVITY	Kt [N-LBS/AMPI Nm/AMPI]	12.4[1.42]
BACK EMF (LINE TO LINE)	Vrms/Krpm	110.0
D.C. RESISTANCE (P-P)	OHMS	3.3
INDUCTANCE (P-P)	MILLIHENRIES	24.4
ROTOR INERTIA	Jm [N-LBS-SEC ²] Kg-M ²	.0026[.000300]
STATIC FRICTION	Tf [N-LBS] [Nm]	1.0[.11]

*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.

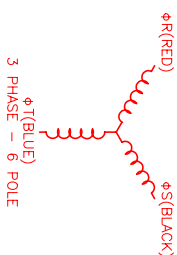
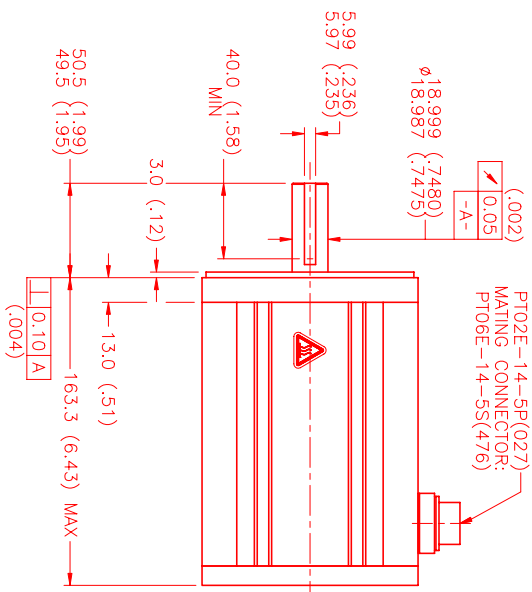
MECHANICAL NOTES:

- AXIAL LOAD: 50 LBS MAX
- RADIAL LOAD: 100 LBS MAX @ 1" FROM FACE
- MOTOR SEALED TO IP65.
- MOTOR WEIGHT: 16.4 LBS. [7.4 kg]
- MOTOR FINISH: BLACK EPOXY
- MOTOR OUTPUT SHAFT: STAINLESS STEEL
- MILLIMETERS (INCHES)



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

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



REV#	DESCRIPTION	DATE	APPD.
PRELIMINARY		6/7/02	LIN

REVISIONS

REV#	DESCRIPTION	DATE	APPD.
PRELIMINARY		6/7/02	LIN

NO.	PART NUMBER	DESCRIPTION	QTY.
UNLESS SPECIFIED			

MTS MTS Systems Corporation
Automation Division

DATE	BY	DESCRIPTION
6/7/02	LIN	"B" /TRP/230/MET/NO FDBK/CONN

DATE	BY	DESCRIPTION
6/7/02	LIN	"B" /TRP/230/MET/NO FDBK/CONN

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