

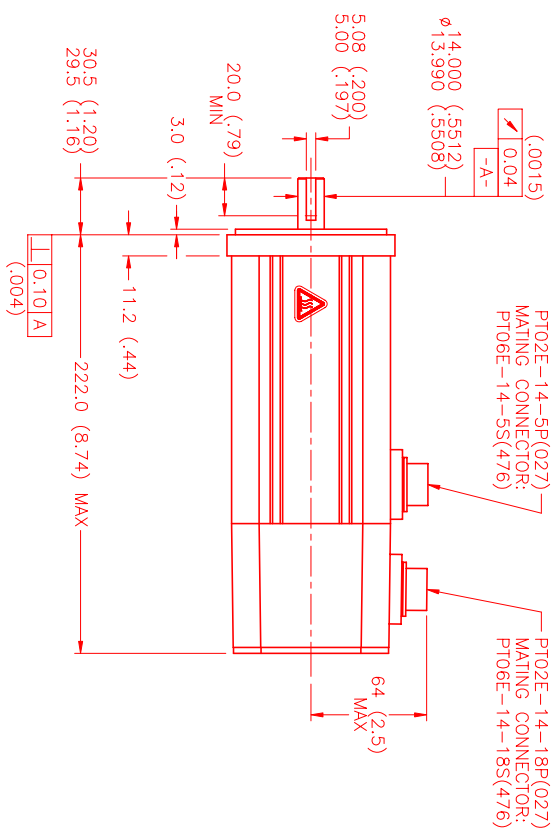
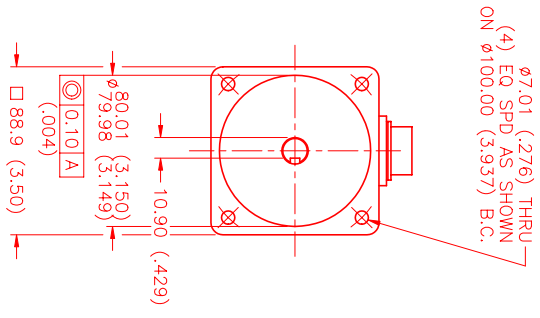
MOTOR DATA @ 460 VAC (SINE)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP	1.63
KILOWATTS	KW	1.22
MAX. OPERATING SPEED	N. MAX RPM	5000
SPEED @ RATED TORQUE	N RATED RPM	4000
* CONTINUOUS RATED TORQUE @ 4000 RPM	IN-LBS[Nm]	25.5[2.9]
* CONTINUOUS STALL TORQUE	IN-LBS[Nm]	30.0[3.4]
CONTINUOUS LINE CURRENT	AMPS[RMS/φ]	2.6
PEAK TORQUE	IN-LBS[Nm]	105.0[11.9]
PEAK CURRENT	AMPS[RMS/φ]	9.1
MAX. THEORETICAL ACCEL.	RAD/SEC ²	105,954
TORQUE SENSITIVITY	Kt [N-LBS/AMP/RMS/φ]/[Nm/AMP/RMS/φ]	11.6[1.3]
BACK EMF (LINE TO LINE)	Vrms/Krpm	73.2
D.C. RESISTANCE (P-P)	OHMS	5.52
INDUCTANCE (P-P)	MILLIHENRIES	17.4
ROTOR INERTIA	Jm [IN-LBS-SEC ²]/[Kg-M ²]	.000991[.000116]
STATIC FRICTION	Tf [IN-LBS]/[Nm]	.5[.06]

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

- AXIAL LOAD: 25 LBS MAX
- RADIAL LOAD: 40 LBS MAX @ 1" FROM FACE
- MOTOR SEALED TO IP65.
- MOTOR WEIGHT: 10.0 LBS. [4.5 Kg]
- MOTOR FINISH: BLACK EPOXY
- MOTOR OUTPUT SHAFT: STAINLESS STEEL
- MILLIMETERS (INCHES)



CONNECTION CHART

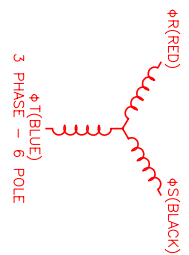
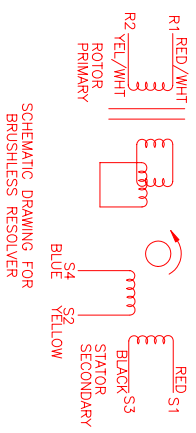
MOTOR CONNECTOR:
PT02E-14-5P(027)
(270-00026)

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

RESOLVER/THERM CONNECTOR:

PT02E-14-18P(027)
(270-00024)

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



REV.	DESCRIPTION	DATE	APPD.
PRELIMINARY		8/16/99	MVS

NO.	PART NUMBER	DESCRIPTION	QTY.
1	MPM892CSJ7G1N	460VAC SINE MOTOR	1

DATE	8/16/99	TITLE	"C"/SINE/460/MET/RES/CONN
DESIGNED BY	MVS	CHECKED BY	
APPROVED BY		DRAWING NUMBER	MPM892CSJ7G1N
SCALE	1/2:1		

MTS MTS Systems Corporation
Automation Division

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