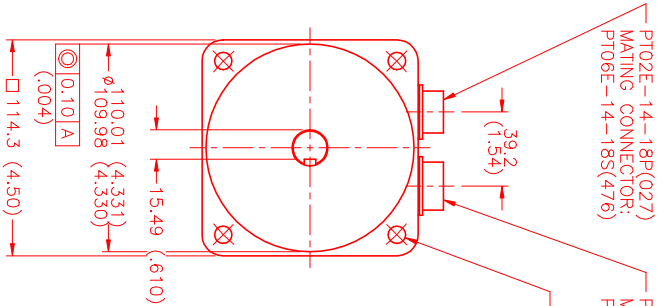


MOTOR DATA @ 230 VAC (TRAP)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP	1.20
KILOWATTS	KW	0.88
MAX. OPERATING SPEED	N MAX	2100
SPEED @ RATED TORQUE	N RATED	1500
* CONTINUOUS RATED TORQUE @ 1500 RPM	IN-LBS [Nm]	50.0 [5.6]
* CONTINUOUS STALL TORQUE	IN-LBS [Nm]	54.0 [6.1]
CONTINUOUS LINE CURRENT	AMPS	4.4
PEAK CURRENT	IN-LBS [Nm]	189.1 [21.3]
MAX. THEORETICAL ACCEL.	AMPS	15.3
TORQUE SENSITIVITY	RAD/SEC ²	28,224
BACK EMF (LINE TO LINE)	KT [IN-LBS/AMP] [Nm/AMP]	12.4 [1.42]
D.C. RESISTANCE (P-P)	Vrms/krpm	110.0
INDUCTANCE (P-P)	OHMS	3.3
ROTOR INERTIA W/BRAKE	MILLIHENRIES	24.4
STATIC FRICTION	Jm [IN-LBS-SEC ²] [Kg-M ²]	0.00067 [0.00076]
	Tf [IN-LBS] [Nm]	1.0 [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.

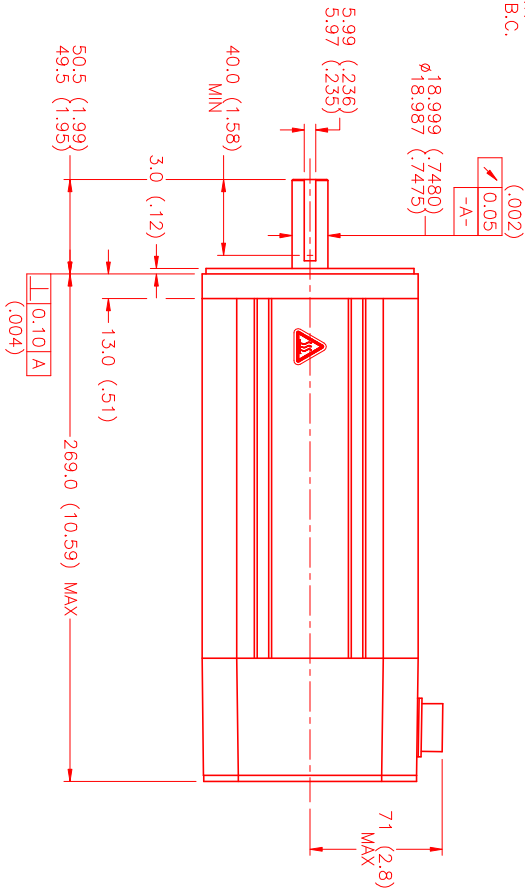
- MECHANICAL NOTES:**
- AXIAL LOAD: 50 LBS MAX
 - RADIAL LOAD: 100 LBS MAX @ 1" FROM FACE
 - MOTOR SEALED TO IP65.
 - MOTOR WEIGHT: 21.6 LBS. [9.8 kg]
 - MOTOR FINISH: BLACK EPOXY
 - MOTOR OUTPUT SHAFT: STAINLESS STEEL
 - MILLIMETERS (INCHES)



PT02E-14-18P(027)
MATING CONNECTOR:
PT06E-14-18S(476)

PT02E-16-8P(027)
MATING CONNECTOR:
PT06E-16-8S(476)

Ø9.18 (.362) THRU
(4) EQ. SPD AS SHOWN
ON Ø130.00 (5.118) B.C.



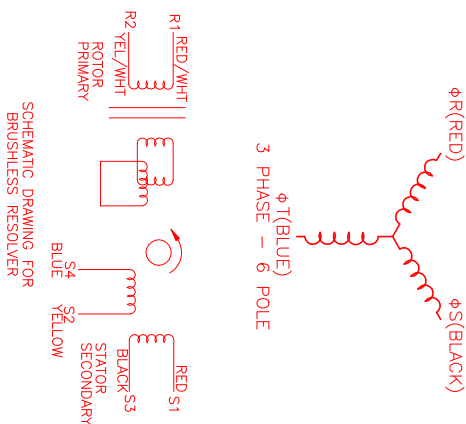
CONNECTION CHART

MOTOR/BRAKE CONNECTOR:
PT02E-16-8P(027)
(270-00032)

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

MOTOR/BRAKE WIRE LEADS	WIRE COLOR	WIRE LEADS
PIN A	ΦR	RED
B	ΦS	BLACK
C	ΦT	BLUE
D	PE GND	GRN/YEL
E	BRK SHLD	-
F	BRK (+)	1N4007
G	BRK (-)	-
H	-	-

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



REV.	DESCRIPTION	DATE	APPD.
1	PRELIMINARY	3/27/00	MS

MTS - C/230/NET/RES/CONN/BRK NUMBER: MPM1141CTG7G1Q

REVISIONS

NO.	PART NUMBER	DESCRIPTION	QTY.
UNLESS SPECIFIED			
DRAWN: MS			
CHECKED: MS			
DATE: 3/27/00			
TITLE: "C"/230/NET/RES/CONN/BRK			
APPROVED:			
DRAWING NUMBER: MPM1141CTG7G1Q			
SCALE: 1/2:1			

MTS
Automation Division

RESISTANCE TO OIL AND SOLVENTS IS REQUIRED IN THE PRODUCTION OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY APPROVALS FOR THE USE OF THIS DRAWING IN THE PRODUCTION OF THE PARTS AND ASSEMBLIES.