

MOTOR DATA @ 230 VAC (TRAP)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP RATED	1.2
KILOWATTS	KW RATED	.88
MAX. OPERATING SPEED	N MAX	2100
SPEED @ RATED TORQUE	RPM	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 TORQUE	IN-LBS [Nm]	189.1 [21.3]
PEAK CURRENT	AMPS	15.3
MAX. THEORETICAL ACCEL.	RAD/SEC ²	48,487
TORQUE SENSITIVITY	Kt IN-LBS/AMP [Nm/AMP]	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 W/ BRK	Jm [IN-LBS-SEC ²] Kg-M ²	.00391 [0.0044]
STATIC FRICTION	Tf [IN-LBS] [Nm]	1.0 [1.1]

*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:

1. AXIAL LOAD: 50 LBS MAX
2. RADIAL LOAD: 100 LBS MAX @ 1" FROM FACE
3. MOTOR SEALED TO IP65.
4. MOTOR WEIGHT: 23.1 LBS. [10.5 kg]
5. MOTOR FINISH: BLACK EPOXY
6. MOTOR OUTPUT SHAFT: STAINLESS STEEL
7. MILLIMETERS (INCHES)

ENCODER: (290-00064)

OH48-1000P6-L6-5V
 FAILSAFE BRAKE:
 MIN HOLDING TORQUE: 240 IN-LBS
 INPUT VOLTAGE: 24 VOLTS

CONNECTION CHART

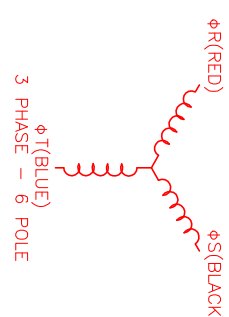
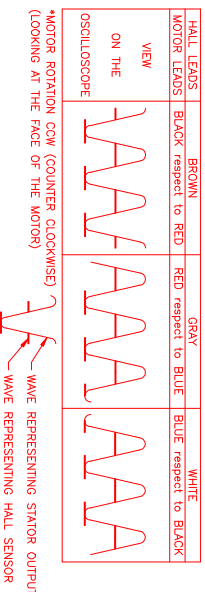
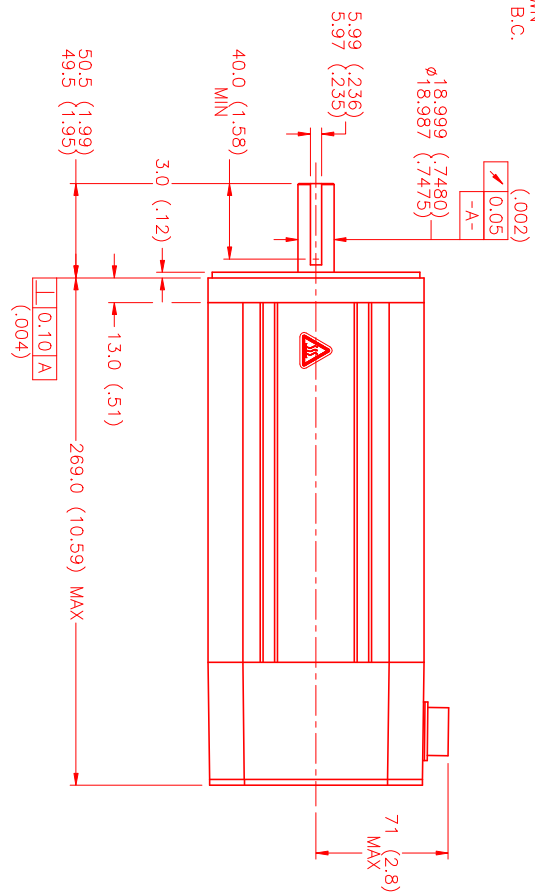
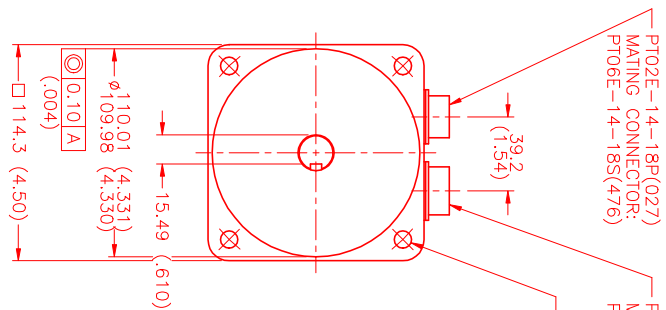
MOTOR/BRAKE CONNECTOR:
 PT02E-16-8P(027)
 (270-00032)

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

ENCODER/THERM CONNECTOR:

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

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



NO.	PART NUMBER	DESCRIPTION	QTY.
1	MPS	MPS Systems Corporation Automation Division	1

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES AND DECIMAL FRACTIONS ARE IN THIRDS OF AN INCH.
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DATE: 3/29/99
 DRAWN: MVS
 CHECKED: MVS
 TITLE: "B"/TRAP/230/NET/1000/CONN/BRK
 MATERIAL: STAINLESS STEEL
 APPROVED: MVS
 DRAWING NUMBER: MPM1141BTGJM1R
 SCALE: 1/2:1