

MOTOR DATA @ 460 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	N RATED	50.0 [5.6]
* CONTINUOUS STALL TORQUE	IN-LBS [Nm]	54.0 [6.1]
CONTINUOUS LINE CURRENT	AMPS	2.2
PEAK TORQUE	IN-LBS [Nm]	189.1 [21.3]
PEAK CURRENT	AMPS	7.6
MAX. THEORETICAL ACCEL.	RAD/SEC ²	48,487
TORQUE SENSITIVITY	Kt IN-LBS/AMP [Nm/AMP]	24.0 [2.84]
BACK EMF (LINE TO LINE)	Vrms/Krpm	220.0
D.C. RESISTANCE (P-P)	OHMS	13.3
INDUCTANCE (P-P)	MILLIHENRIES	99.0
ROTOR INERTIA W/BRAKE	Jm [IN-LBS-SEC ²] [Kg-M ²]	.00391 [0.0044]
STATIC FRICTION	Tf	1.0 [1.11]

*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:

1. AXIAL LOAD: 50 LBS MAX
2. RADIAL LOAD: 100 LBS MAX @ 1" FROM FACE
3. MOTOR SEALED TO IP65.
4. MOTOR WEIGHT: 23.3 LBS. [10.6 kg]
5. MOTOR FINISH: BLACK EPOXY
6. MOTOR OUTPUT SHAFT: STAINLESS STEEL
7. INCHES (MILLIMETERS)

ENCODER: (290-00052)

OH48-2000P6-L6-SV
FAILSAFE BRAKE:
 MIN HOLDING TORQUE: 240 IN-LBS
 INPUT VOLTAGE: 24 VOLTS

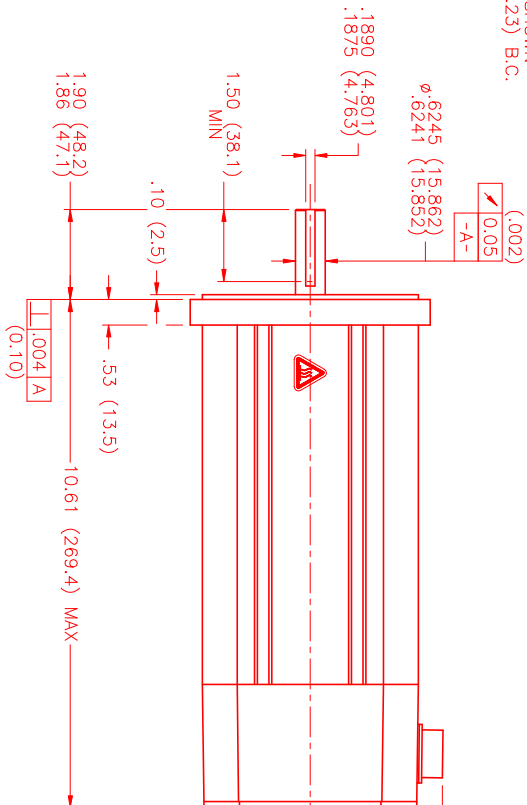
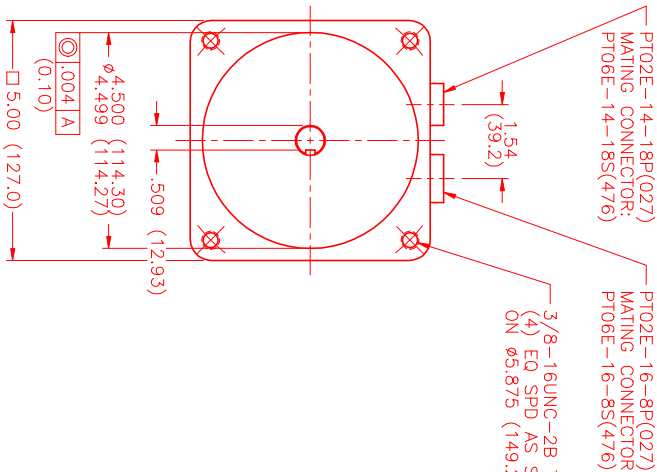
CONNECTION CHART

MOTOR/BRAKE CONNECTOR:
 P102E-16-8P(027)
 (270-00032)

ENCODER/THERM CONNECTOR:
 P102E-14-18P(027)
 (270-00024)

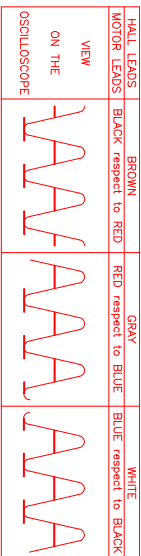
MOTOR/BRAKE	WIRE LEADS
PIN	FUNCTION
A	ΦR
B	ΦS
C	ΦT
D	PE GND
E	BRK SHLD
F	BRK (+)
G	BRK (-)
H	-

ENC/THERM	WIRE LEADS
PIN	FUNCTION
T	GROUND
K	+5VDC
B	CH A
C	CH A'
N	CH B
P	CH B'
M	CH Z
U	CH Z'
E	CH U
R	CH UV
F	CH V
S	CH V'
G	CH W
H	CH W'
D	GND/CABLE SHLD
A	THERM
L	THERM
J	GND

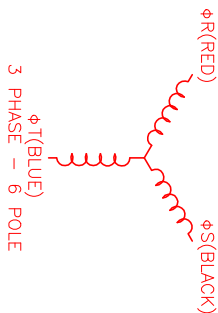


HALL LEADS	BROWN	GRAY	WHITE
MOTOR LEADS	BLACK respect to RED	RED respect to BLUE	BLUE respect to BLACK

MOTOR & HALL POSITION CHART



*MOTOR ROTATION CCW (COUNTER CLOCKWISE) (LOOKING AT THE FACE OF THE MOTOR)



REV.	DESCRIPTION	DATE	APPD.
1	PRELIMINARY	7/13/99	MVS

NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVS	MVS	1

DATE	BY	SCALE
7/13/99	MVS	1/2:1

TITLE	MATERIAL
"D"/TRAP /460/ENG/T2/CONN/BRK	MPM1141DTU6JN1R

NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVS	MVS	1

DATE	BY	SCALE
7/13/99	MVS	1/2:1

TITLE	MATERIAL
"D"/TRAP /460/ENG/T2/CONN/BRK	MPM1141DTU6JN1R

NO.	PART NUMBER	DESCRIPTION	QTY.
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7/13/99	MVS	1/2:1

TITLE	MATERIAL
"D"/TRAP /460/ENG/T2/CONN/BRK	MPM1141DTU6JN1R