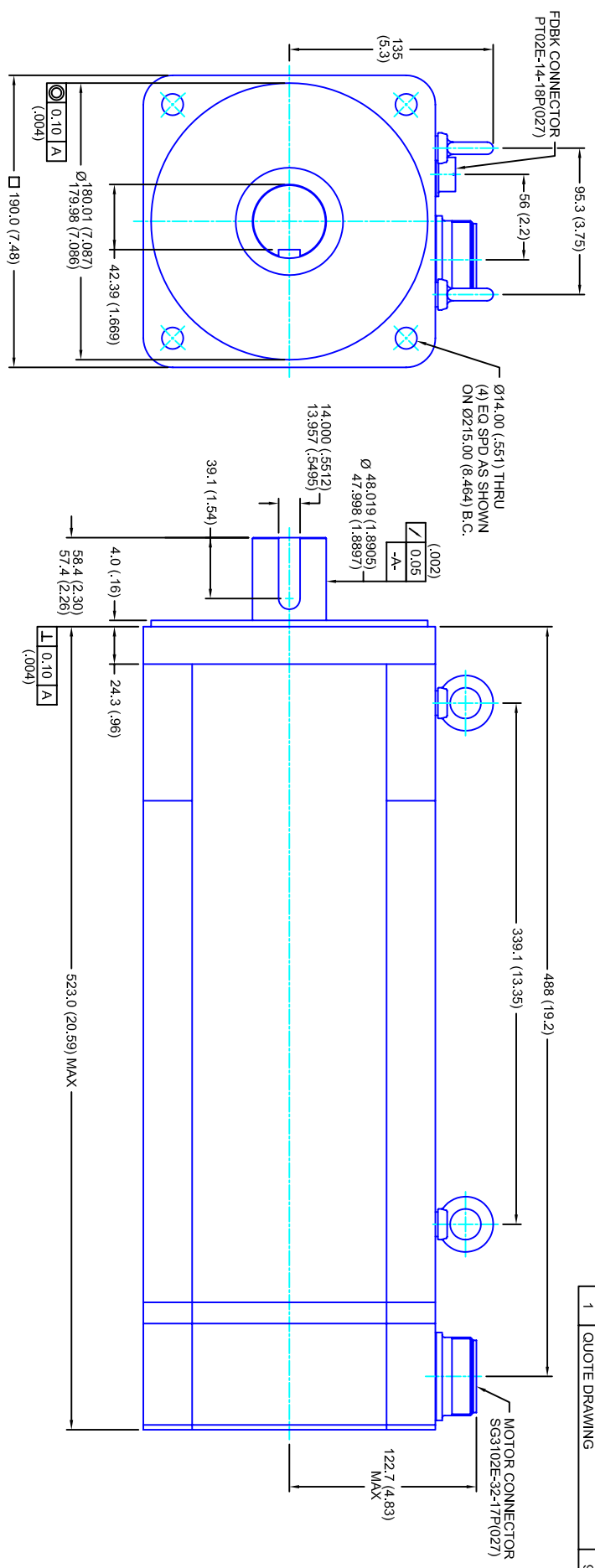


REVISIONS			
REV	DESCRIPTION	DATE	APP'D
1	QUOTE DRAWING	9/8/04	



- NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 45 KG [100 LBS] MAX
 3. RADIAL LOAD: 113 KG [250 LBS] MAX @ 25.4MM [1.00] FROM FACE
 4. MOTOR SEALED TO IP65
 5. MOTOR SHAFT: G&P STEEL, GRADE 1144
 6. MOTOR FINISH: BLACK MATT FINISH
 7. MOTOR WEIGHT 73 KG [162 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	18.0
KILOWATTS	KW	13.4
MAX OPERATING SPEED	RPM	1500
SPEED @ RATED TORQUE	RPM	1200
*CONTINUOUS RATED TORQUE @ 1200 RPM	IN-LBS(INM)	939(106.1)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	1092(123.4)
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	21.2
PEAK TORQUE	IN-LBS(INM)	3276(370.2)
PEAK CURRENT	AMPS(RMS/Φ)	63.6
MAX THEORETICAL ACCEL.	RAD/SEC ²	23,450
TORQUE SENSITIVITY	KI [N-BS/AMP/RMS/Φ] (NIN/AMP/RMS/Φ)	51.5(5.82)
BACK EMF (LINE TO LINE)	Vrms/Krpm	324
D.C. RESISTANCE (P-P)	OHMS	.53
INDUCTANCE (P-P)	MILLIHENRIES	7.8
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.1397(.01579)
STATIC FRICTION	TT	13.0(1.5)

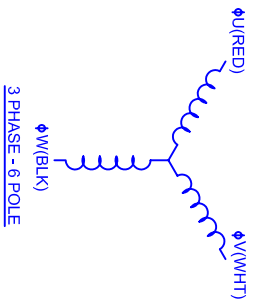
CONNECTION CHART

PT02E-14-18P(027)

ENCTHERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR
PIN A	THERM	WHT
B	CH A	BLU
C	CH A	BLU/BLK
D	GND CABLE	SHLD
E	CH U	BRN
F	CH V	GRY
G	CH W	WHT
H	CH W	WHT/BLK
J	-	-
K	+5VDC	RED
L	THERM	WHT
M	CH Z	YEL
N	CH B	GRN
P	CH BL	GRN/BLK
R	CH UL	BRN/BLK
S	CH VI	GRY/BLK
T	GND	BLK
U	CH Z1	YEL/BLK

SG3102E-32-17P(027)

MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR
PIN A	Φ U	RED
B	Φ V	WHT
C	Φ W	BLK
D	PE GND	GRN/YEL



TOLERANCES UNLESS SPECIFIED

BORE: = H7 ✓
 SURFACE FINISH: = 63 Ra ✓
 DECIMAL .xxx = .12 (.005)
 DECIMAL .xx = .25 (.010)
 DECIMAL .x = .51 (.020)
 FRACTION 1/16 = .0625
 FRACTION 1/8 = .125
 FRACTION 1/4 = .25
 FRACTION 3/8 = .375
 FRACTION 1/2 = .5
 FRACTION 5/8 = .625
 FRACTION 3/4 = .75
 FRACTION 7/8 = .875
 ANGLE: (MM/INCHES) = 0.001

REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN (0.10°)

CUSTOM MOTORS INC
 190MM - 4 STK
 460V/KE=324/MET/2048/CONN

PROPRIETARY RIGHTS OF CUSTOM MOTORS ARE INCLUDED IN THE INFORMATION DISCLOSED HEREIN. THIS INFORMATION IS PROVIDED AS A SERVICE TO OUR CUSTOMERS AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

CUSTOMER: SCALE: 1/2:1 DATE: 9/8/04 DRAWING NO: CM1904R324MK2048CS REV: 1