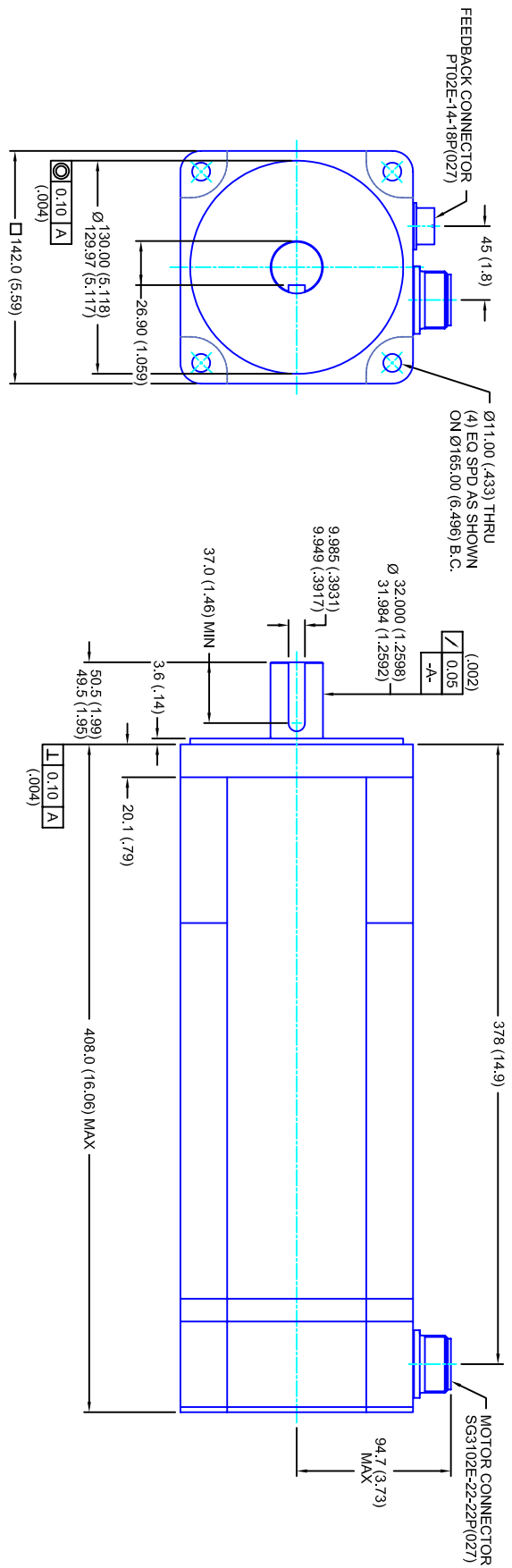


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	7/15/04	



- NOTES:**
1. MILLIMETERS (INCHES)
  2. AXIAL LOAD: 23 KG [ 50 LBS ] MAX
  3. RADIAL LOAD: 68 KG [ 150 LBS ] MAX @ 25.4MM [ 1.00 ] FROM FACE
  4. MOTOR SEALED TO IP65
  5. MOTOR SHAFT: 416 STAINLESS STEEL
  6. MOTOR FINISH: BLACK MATT FINISH
  7. MOTOR WEIGHT: 30.4 KG [ 67 LBS ]

**ELECTRICAL DATA**

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	9.8
KILOWATTS	KW	7.3
MAX OPERATING SPEED	RPM	3400
SPEED @ RATED TORQUE	RPM	2800
*CONTINUOUS RATED TORQUE @ 2800 RPM	IN-LBS(IN)	220/24.9I
*CONTINUOUS STALL TORQUE	IN-LBS(IN)	280/31.6I
CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	15.3
PEAK TORQUE	IN-LBS(IN)	840/94.9I
PEAK CURRENT	AMPS(RMS/Φ)	48.6
MAX THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	29,268
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ]/(MM/AMP/RMS/Φ)	18.3/2.06I
BACK EMF (LINE TO LINE)	Vrms/Krpm	115
D.C. RESISTANCE (P-P)	OHMS	TBD
INDUCTANCE (P-P)	MILLIHENRIES	TBD
ROTOR INERTIA	IN-LBS-SEC <sup>2</sup> [KG-M <sup>2</sup> ]	.0287/.00324I
STATIC FRICTION	TT	3.6/0.41I

**ENCODER INFO:**

SV - 2048L COMMUTATING

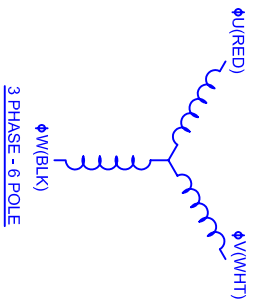
**CONNECTION CHART**

PT02E-14-18P(027)

ENC/THERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
A	THERM	WHT	WHT
B	CH A	BLU	BLU
C	CH A	BLU/BLK	BLK
D	GND CABLE	SHLD	BLK
E	CH U	BRN	GRN/YEL
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 VI	BRN/BLK	
S	CH VI	GRY/BLK	
T	GND	BLK	
U	CH Z	YEL/BLK	

SG3102E-22-22P(027)

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



142MM - 3 STK  
460V/KE=115/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H12 ✓
SURFACE FINISH:	= 63 Ra ✓
DECIMAL .xxx	± .12 (.005)
DECIMAL .xx	± .25 (.020)
DECIMAL .x	± .51 (.020)
ANGLE	± .030
REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN (0.10°)	
FINISH:	
WATERIAL:	
SCALE	1/2:1
DATE	7/15/04
DRAWING NO.	CM1423R115MK2048CS
CUSTOMER:	
DRAWN:	DFLA
SHEET:	1 OF 1
REV.	1