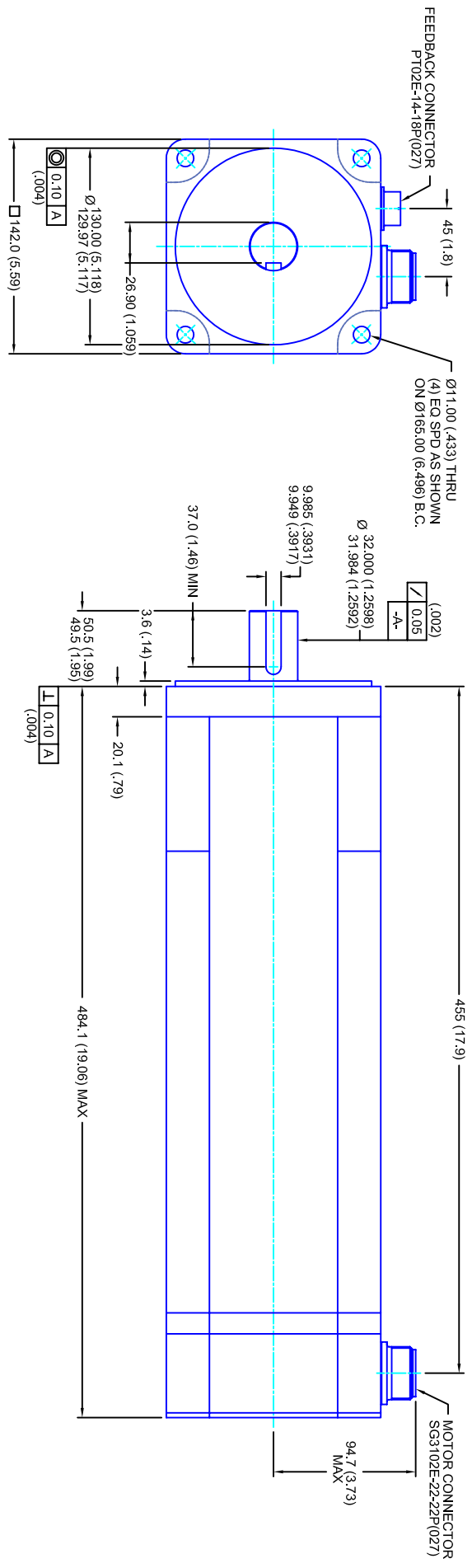


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	6/17/04	



- 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: 38.6 KG [ 85 LBS ]

**ELECTRICAL DATA**

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE		SINE
HORSEPOWER	HP	10.2
KILOWATTS	KW	7.6
MAX OPERATING SPEED	RPM	2400
SPEED @ RATED TORQUE	RPM	2100
*CONTINUOUS RATED TORQUE @ 2100 RPM	IN-LBS(IN)	306(134.6)
*CONTINUOUS STALL TORQUE	IN-LBS(IN)	360(160.7)
*CONTINUOUS LINE CURRENT	AMPS/(RMS/Φ)	29.3
PEAK TORQUE	IN-LBS(IN)	1081(122.1)
PEAK CURRENT	AMPS/(RMS/Φ)	85.1
MAX THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	29,216
TORQUE SENSITIVITY	KI [N-BS/AMP/RMS/Φ] (N=AMP/RMS/Φ)	12.7(1.44)
BACK EMF (LINE TO LINE)	Vrms/Krpm	80
D.C. RESISTANCE (P-P)	OHMS	.12
INDUCTANCE (P-P)	MILLIHENRIES	1.1
ROTOR INERTIA	IN-LBS-SEC <sup>2</sup> [KG-M <sup>2</sup> ]	.0370(.00418)
STATIC FRICTION	TT	4.2(0.47)

**ENCODER INFO:**

SV - 2048L COMMUTATING

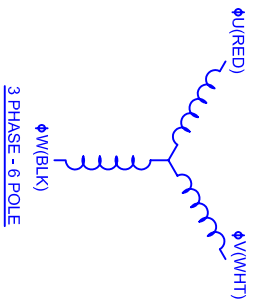
**CONNECTION CHART**

PT02E-14-18P(027)

ENCOTHERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR
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 U	BRN/BLK
S	CH V	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	WHT
C	Φ W	BLK
D	PE GND	GRN/YEL



142MM - 4 STK  
230V/KE-80/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
SURFACE FINISH:	= 63 Ra ✓
BORER:	= H12
DECIMAL .xxx	± .12 (.005)
DECIMAL .xx	± .25 (.010)
DECIMAL .x	± .51 (.020)
ANGLE	± .40 (.016)
MM (INCHES)	± .08

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

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CUSTOMER: \_\_\_\_\_ DRAWING NO. \_\_\_\_\_ DRAWN: DFLA SHEET: 1 OF 1

SCALE: 1/2:1 DATE: 6/17/04 DRAWING NO. CM1424Q80MK2048CS REV. 1