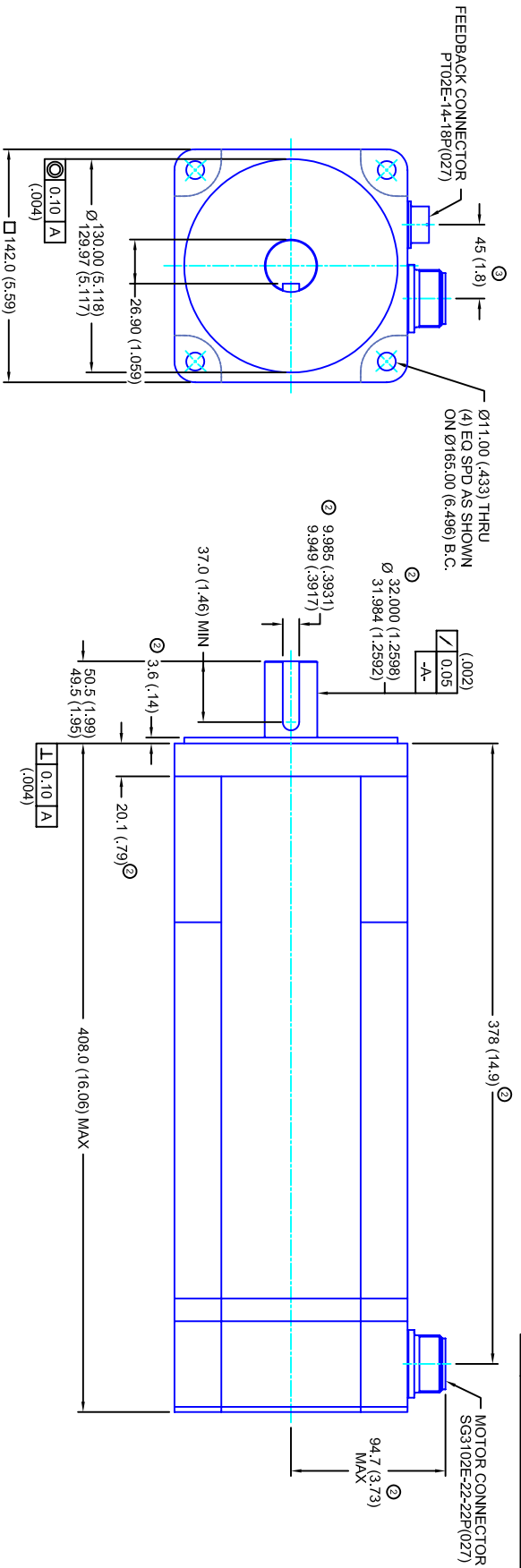


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	12/17/03	
2	UPDATES/CORRECTIONS	1/23/04	
3	ADD ELECTRICAL DATA	6/16/04	
4	ADD RES/IND VALUES	3/17/05	



- 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	230
AMP TYPE	-	SINE
HORSEPOWER	HP	9.1
KILOWATTS	KW	6.8
MAX OPERATING SPEED	RPM	2700
SPEED @ RATED TORQUE	RPM	2400
*CONTINUOUS RATED TORQUE @ 2400 RPM	IN-LBS(INM)	238/26.9I
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	280/31.6I
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	22.0
PEAK TORQUE	IN-LBS(INM)	840/94.9I
PEAK CURRENT	AMPS(RMS/Φ)	66.1
MAX THEORETICAL ACCEL.	RAD/SEC ²	29,268
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ]/(MM/AMP/RMS/Φ)	12.7/1.44I
BACK EMF (LINE TO LINE)	Vrms/Krpm	80
D.C. RESISTANCE (P-P)	OHMS	.17
INDUCTANCE (P-P)	MILLIHENRIES	1.5
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0287/.00324I
STATIC FRICTION	TT	3.6/0.41I

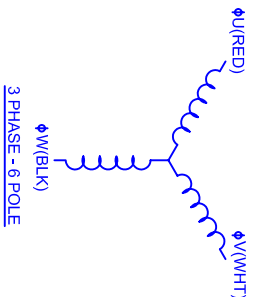
CONNECTION CHART

PT02E-14-18P(027)

ENCTHERM 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 - 3 STK
230V/KE-80/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H12
DEGREE:	= 1/2 (0.05)
DECIMAL .xxx	= .25 (0.01)
DECIMAL .xx	= .51 (0.02)
DECIMAL .x	= 1.01 (0.04)
DECIMAL .	= 2.01 (0.08)
ANGLE (MM/INCHES)	= 0.50
REMOVE ALL BURRS/BREAK SHARP EDGES AS PER (0.10)	
FINISH:	
WATERAL:	
SCALE	1/2:1
DATE	12/17/03
DRAWING NO.	CM1423Q80MK2048CS
CUSTOMER:	
DRAWN:	DFLA
SHEET:	1 OF 1
REV.	4