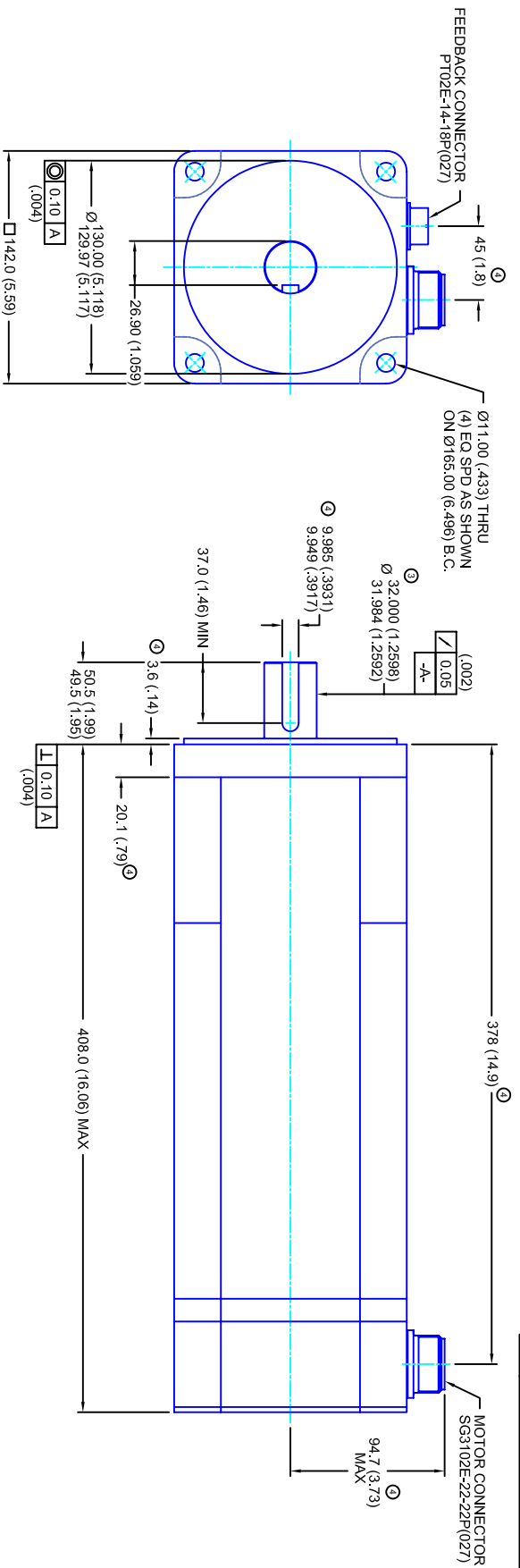


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	10/29/03	
2	UPDATE KE=115	10/30/03	
3	CORRECT FDBK CHART/INER	12/10/03	
4	ADD DIMS/CHG .81 TO .79	6/16/04	



- 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	230
AMP TYPE	-	SINE
HORSEPOWER	HP	6.0
KILOWATTS	KW	4.5
MAX OPERATING SPEED	RPM	1750
SPEED @ RATED TORQUE	RPM	1500
*CONTINUOUS RATED TORQUE @ 1500 RPM	IN-LBS(INM)	252(28.5)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	280(31.6)
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	15.3
PEAK TORQUE	IN-LBS(INM)	840(94.9)
PEAK CURRENT	AMPS(RMS/Φ)	48.6
MAX THEORETICAL ACCEL.	RAD/SEC ²	29,288
TORQUE SENSITIVITY	KI [N-SS/AMP/RMS/Φ]/(M/AMP/RMS/Φ)	18.3(2.06)
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 ² [KG-M ²]	.0287(.00324)
STATIC FRICTION	TM	3.6(0.41)

ENCODER INFO:

SV - 2048L COMMUTATING

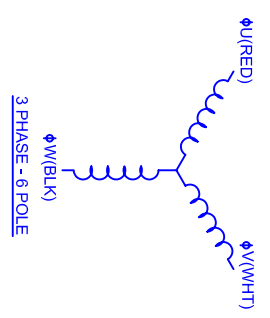
CONNECTION CHART

PT02E-14-18P(027)

ENC/TERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
A	THERM	WHT	WHT
B	CH A	BLU	BLK
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	WHT
C	Φ W	BLK
D	PE GND	GRN/YEL



142MM - 3 STK
230V/KE=115/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H12
DEGREE:	= 1/2 (0.05)
DECIMAL .xxx	= .25 (0.010)
DECIMAL .xx	= .51 (0.020)
DECIMAL .x	= .40 (0.016)
ANGLE	= 0.50
REMOVE ALL BURRS/BREAK SHARP EDGES AS PER (0.10)	
FINISH:	PROPER FAIR RIGHTS OF CUSTOM MOTORS ARE INCLUDED IN THE INFORMATION PROVIDED HEREIN. THIS INFORMATION DOES NOT BE APPLICABLE TO ANY OTHER PRODUCT OR SERVICE PROVIDED BY CUSTOMER.
MATERIAL:	CUSTOMER: DFLA SHEET: 1 OF 1
SCALE:	1/2:1
DATE:	10/29/03
DRAWING NO.:	CM14230Q115MK2048CS
REV.:	4