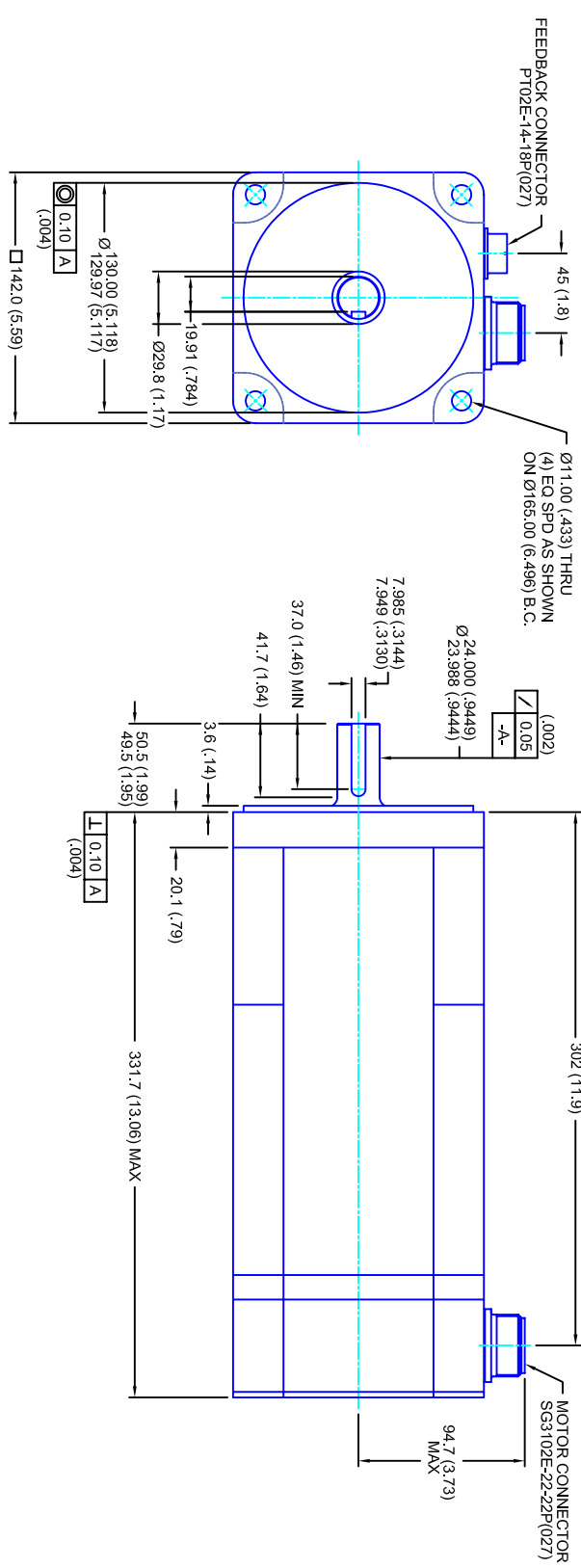


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	10/26/05	



- 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: 22.7 KG [50 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	4.5
KILOWATTS	KW	3.4
MAX OPERATING SPEED	RPM	1750
SPEED @ RATED TORQUE	RPM	1500
*CONTINUOUS RATED TORQUE @ 1500 RPM	IN-LBS(INM)	190(21.5)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	210(23.7)
CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	11.5
PEAK TORQUE	IN-LBS(INM)	630(71.2)
PEAK CURRENT	AMPS(RMS/Φ)	34.4
MAX THEORETICAL ACCEL.	RAD/SEC ²	31,980
TORQUE SENSITIVITY	KI [N-LS/AMP/RMS/Φ]/(MM/AMP/RMS/Φ)	18.3(2.06)
BACK EMF (LINE TO LINE)	Vrms/Krpm	115
D.C. RESISTANCE (P-P)	OHMS	.50
INDUCTANCE (P-P)	MILLIHENRIES	4.1
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0197(.00223)
STATIC FRICTION	TT	3.0(0.34)

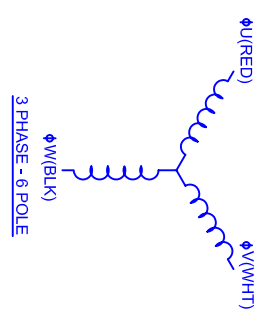
ENCODER INFO:
SV - 4096L COMMUTATING

CONNECTION CHART
PT02E-14-18P(027)

PIN	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 UL	BRN/BLK
S	CH VL	GRY/BLK
T	GND	BLK
U	CH ZL	YEL/BLK

SG3102E-22-22P(027)

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



142MM - 2 STK
230V/KE=115/MET/4096/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)	± .030
REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN (0.10°)	
FINISH:	
WATERLAL:	
SCALE	1/2:1
DATE	10/26/05
DRAWING NO.	CM1422Q115MK4096CS
CUSTOMER:	-
DRAWN:	DFLA
SHEET:	1 OF 1
REV.	1