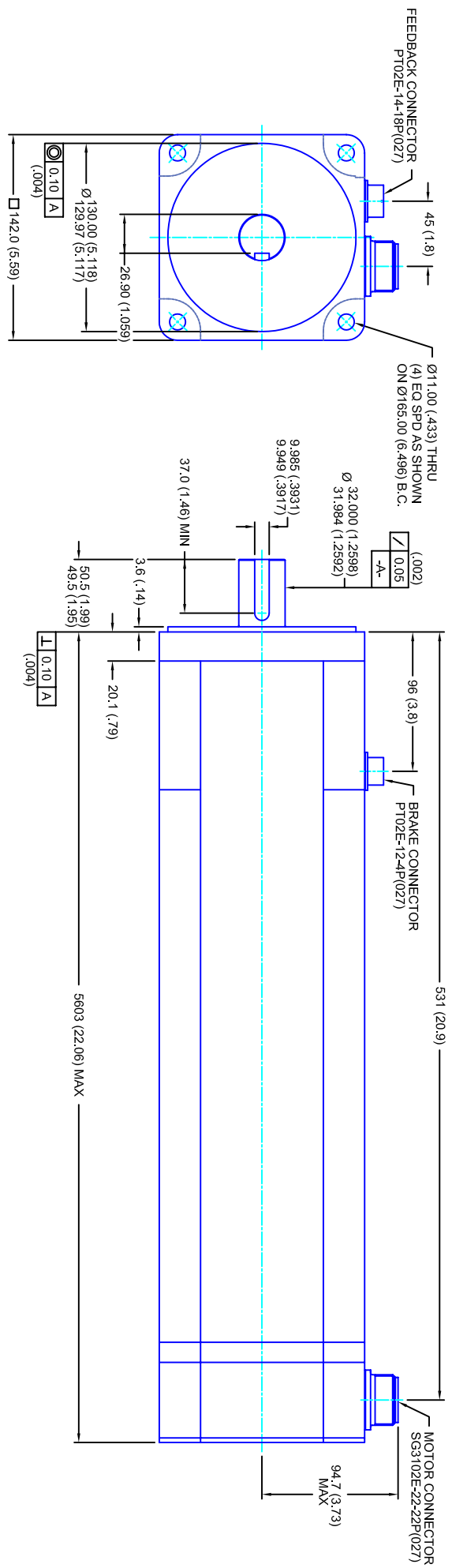


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	6/17/04	



- 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 43.3 KG [ 96 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(INM)	306(134.6)
*CONTINUOUS LINE CURRENT	IN-LBS(INM)	360(160.7)
PEAK TORQUE	IN-LBS(INM)	28.3
PEAK CURRENT	AMPS(RMS/Φ)	85.1
TORQUE SENSITIVITY	RAD/SEC <sup>2</sup>	28.904
MAX THEORETICAL ACCEL.	IN-LBS(AMP/RMS/Φ)(IN/AMP/PM(S/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> ]	.0374(.00423) w/ Bk
STATIC FRICTION	TT	4.2(0.47)

**ENCODER INFO:**

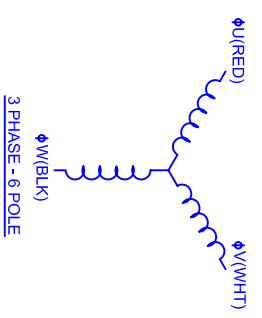
SV - 2048L COMMUTATING

**BRAKE INFO:**

INPUT VOLTAGE: 24 VDC  
 HOLDING FORCE: 40.7 Nm [ 360 IN-LBS ] MAX  
 CURRENT DRAW: 1.13 AMPS  
 RELEASING TIME: 100 ms  
 INERTIA: .00041 IN-LBS-SEC<sup>2</sup>

**CONNECTION CHART**

PT02E-14-18P(027)				SG3102E-22-22P(027)			
ENCOTERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR	WIRE	MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR	WIRE
A	THERM	WHT		A	Φ U	RED	
B	CH A	BLU		B	Φ V	WHT	
C	CH A	BLU/BLK		C	Φ W	BLK	
D	GND CABLE	SHLD		D	PE GND	GRN/YEL	
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					



142MM - 4 STK

230V/KE=80/MET/2048/CONN/BRK

TOLERANCES UNLESS SPECIFIED	
BORER:	= H12
DECIMAL .xxx	± .12 (.005)
DECIMAL .xx	± .25 (.010)
DECIMAL .x	± .51 (.020)
ANGLE	± .40 (.016)
ANGLE (MM (INCHES))	± .09

FINISH:	SCALE	DATE	DRAWING NO.	DRAWN:	DFLA	SHEET: 1 OF 1	REV.
REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN	1/2:1	6/17/04	CM1424Q80MK2048CSB				1