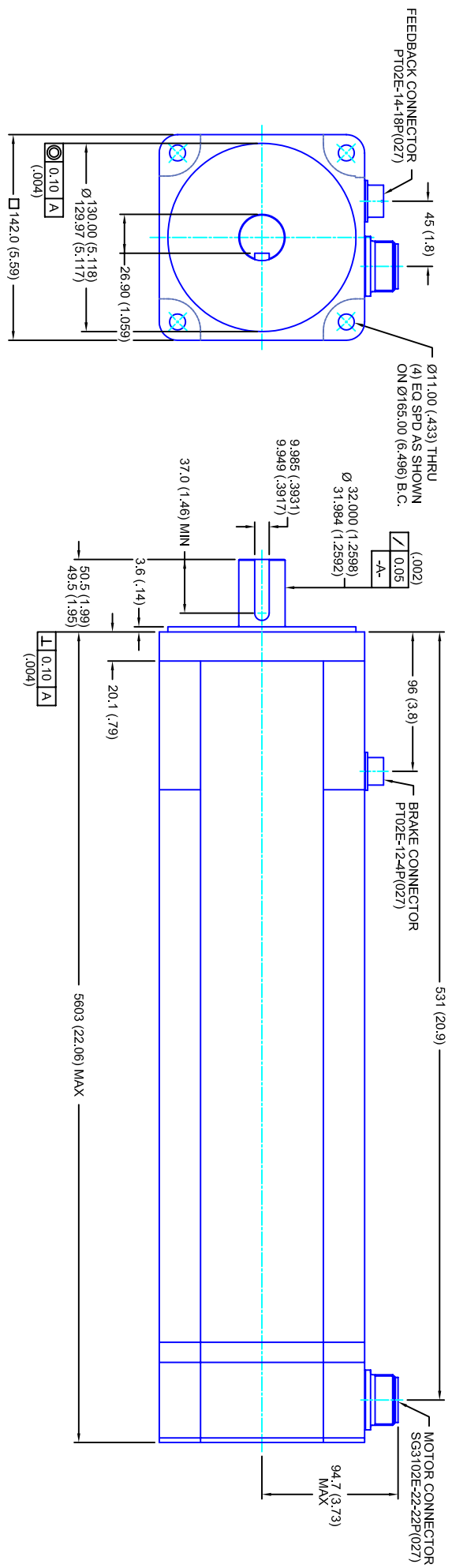


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	9/7/04	



- 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	460
AMP TYPE	-	SINE
HORSEPOWER	HP	12.4
KILOWATTS	KW	9.3
MAX OPERATING SPEED	RPM	3400
SPEED @ RATED TORQUE	RPM	2800
*CONTINUOUS RATED TORQUE @ 2800 RPM	IN-LBS(INM)	280(121.6)
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	36(140.7)
PEAK TORQUE	IN-LBS(INM)	108(1122.1)
PEAK CURRENT	AMPS(RMS/Φ)	59.1
TORQUE SENSITIVITY	RAD/SEC ²	28.904
MAX THEORETICAL ACCEL.	IN-LBS(AMP/RMS/Φ)/IN(AMP/RMS/Φ)	18.3(2.06)
BACK EMF (LINE TO LINE)	Vrms/Krpm	115
D.C. RESISTANCE (P-P)	OHMS	.22
INDUCTANCE (P-P)	MILLIHENRIES	1.9
ROTOR INERTIA	IN-LBS-SEC ² [Kg-M ²]	.037(4(.00423)) w/ Bk
STATIC FRICTION	FT	4.2(0.47)

ENCODER INFO:

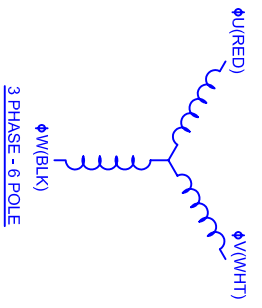
SV - 2048L COMMUTATING

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-SEC²

CONNECTION CHART

PT02E-14-18P(027)				SG3102E-22-22P(027)			
ENCOTHERM 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 A1	BLU/BLK		C	Φ W	BLK	
D	GND CABLE	SHLD		D	PE GND	GRN/YEL	
E	CH U	BRN		PT02E-12-4P(027)			
F	CH V	GRY		BRAKE WIRE LEADS			
G	CH W	WHT		A	BRK (+)	RED	
H	CH W1	WHT/BLK		B	BRK (-)	BLK	
J	-	-		C	-	-	
K	+5VDC	RED		D	-	-	
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 Z1	YEL/BLK					



CUSTOM MOTORS INC

142MM - 4 STK
 460V/KE=115/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	= .030
REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN	
FINISH:	
WATERIAL:	
SCALE	1/2:1
DATE	9/7/04
DRAWING NO.	CM1424R115MK2048CSB
CUSTOMER:	
DRAWN:	DFLA
SHEET:	1 OF 1
REV.	1