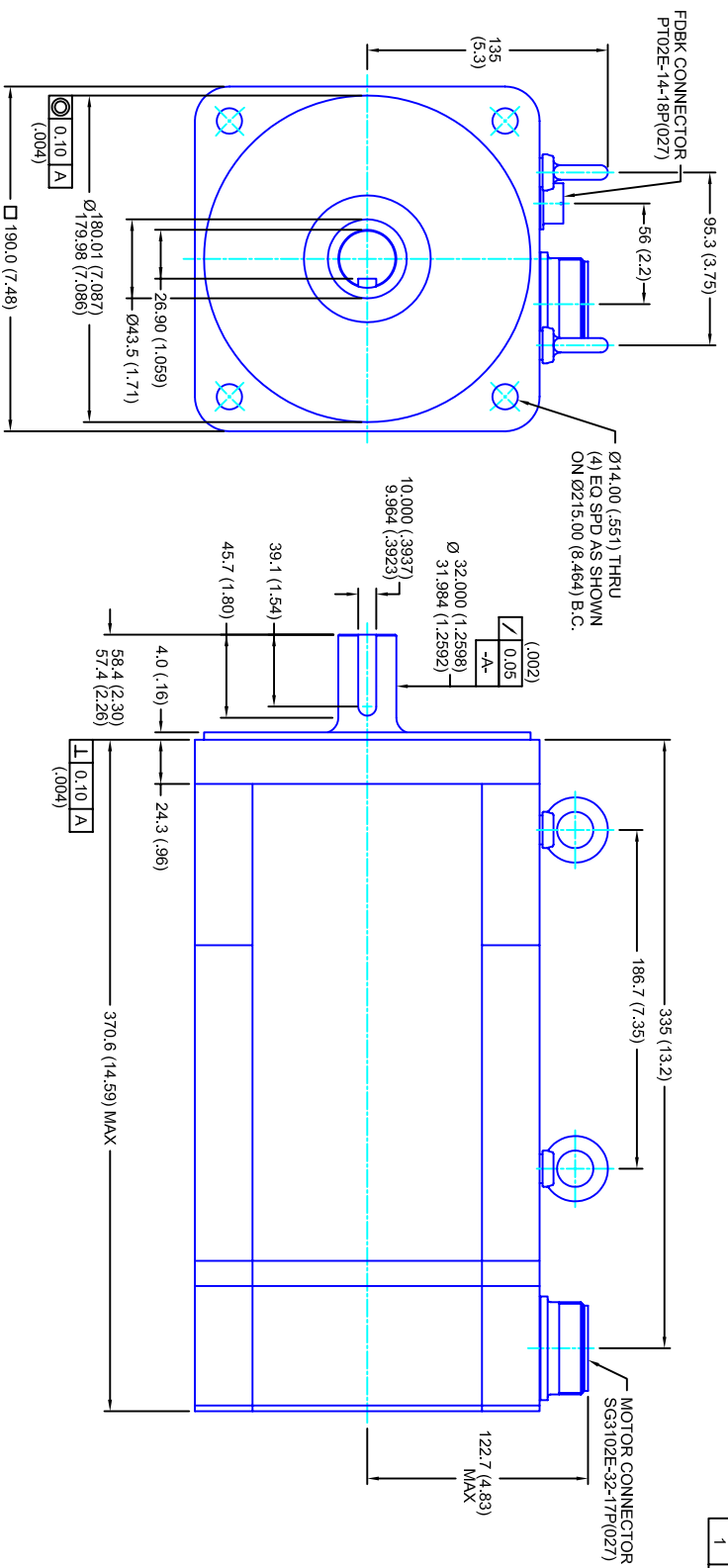


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/3/05	



- NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 45 KG [100 LBS] MAX
 3. RADIAL LOAD: 113 KG [250 LBS] MAX @ 25.4MM [1.00] FROM FACE
 4. MOTOR SEALED TO IP65
 5. MOTOR SHAFT: G&P STEEL, GRADE 1144
 6. MOTOR FINISH: BLACK MATT FINISH
 7. MOTOR WEIGHT: 44 KG [98 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	10.5
KILOWATTS	KW	7.8
MAX OPERATING SPEED	RPM	1400
SPEED @ RATED TORQUE	RPM	1200
*CONTINUOUS RATED TORQUE @ 1200 RPM	IN-LBS(INM)	550(2.3)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	640(2.3)
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	24.9
PEAK TORQUE	IN-LBS(INM)	1920(216.9)
PEAK CURRENT	AMPS(RMS/Φ)	74.7
MAX THEORETICAL ACCEL.	RAD/SEC ²	25,600
TORQUE SENSITIVITY	KI [N-BS/AMP/RMS/Φ] (NIN/AMP/RMS/Φ)	25.7(2.91)
BACK EMF (LINE TO LINE)	Vrms/Krpm	162
D.C. RESISTANCE (P-P)	OHMS	.36
INDUCTANCE (P-P)	MILLIHENRIES	4.0
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0750(.00847)
STATIC FRICTION	TT	9.8(1.1)

ENCODER INFO:

SV - 2048L COMMUTATING

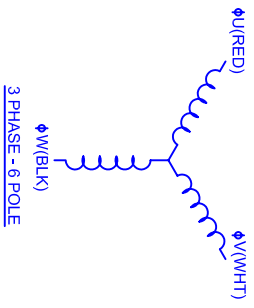
CONNECTION CHART

PT02E-14-18P(027)

ENCTHERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR
PIN A	CH A	WHT
PIN B	CH A	BLU
PIN C	CH A	BLU/BLK
PIN D	GND CABLE	SHLD
PIN E	CH U	BRN
PIN F	CH V	GRY
PIN G	CH W	WHT
PIN H	CH W	WHT/BLK
PIN J	+5VDC	RED
PIN L	THERM	WHT
PIN M	CH Z	YEL
PIN N	CH B	GRN
PIN P	CH BI	GRN/BLK
PIN R	CH UI	BRN/BLK
PIN S	CH VI	GRY/BLK
PIN T	GND	BLK
PIN U	CH ZI	YEL/BLK

SG3102E-32-17P(027)

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



CUSTOM MOTORS INC

190MM - 2 STK
230V/KE=162MET/2048/CONN

TOLERANCES UNLESS SPECIFIED
BORER: = H2 ✓
SURFACE FINISH: = 63 Ra ✓
DECIMAL .xxx = .12 (.005)
DECIMAL .xx = .25 (.020)
DECIMAL .x = .51 (.020)
DECIMAL . = .40 (.016)
ANGLE (MM/INCHES) = 0.80

REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN (0.10°)

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CUSTOMER: - DATE: 9/7/04 DRAWING NO: CM1902Q162MK2048CS DRAWN: DFLA SHEET: 1 OF 1 SCALE: 1/2:1 REV: 1