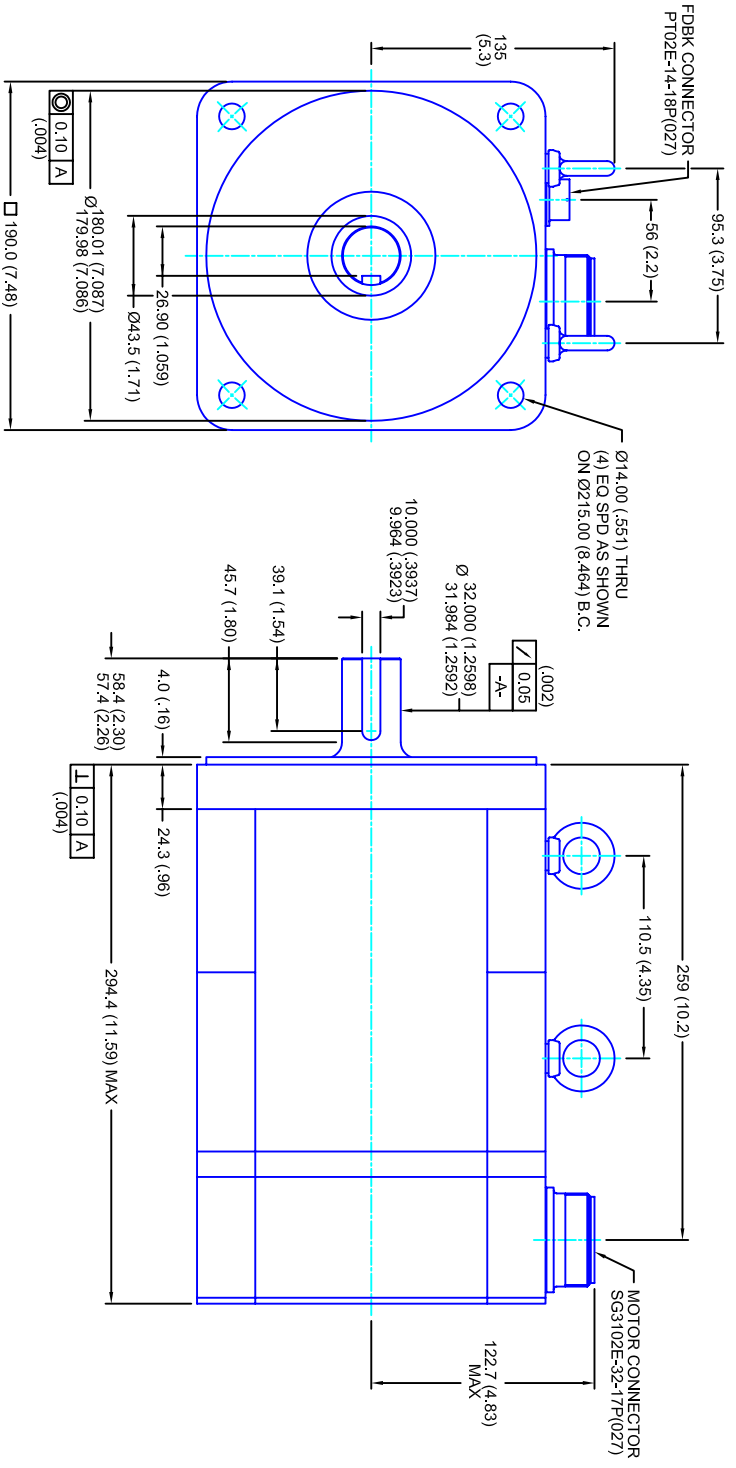


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/3/05	



- 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: 30 KG [66 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	6.5
KILOWATTS	KW	4.9
MAX OPERATING SPEED	RPM	1400
SPEED @ RATED TORQUE	RPM	1200
*CONTINUOUS RATED TORQUE @ 1200 RPM	IN-LBS(IN)M	344[38.9]
*CONTINUOUS STALL TORQUE	IN-LBS(IN)M	400[45.2]
CONTINUOUS LINE CURRENT	AMP(S/RMS/Φ)	15.6
PEAK TORQUE	IN-LBS(IN)M	1200[135.6]
PEAK CURRENT	AMP(S/RMS/Φ)	46.7
MAX THEORETICAL ACCEL.	RAD/SEC ²	27.778
TORQUE SENSITIVITY	KI [N-LBS/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	.95
INDUCTANCE (P-P)	MILLIHENRIES	9.0
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0432[.00488]
STATIC FRICTION	TM	82[.93]

ENCODER INFO:

5V - 2048L COMMUTATING

CONNECTION CHART

PT102E-14-18P(027)				SG3102E-32-17P(027)			
ENC/TERM	WIRE FUNCTION	WIRE COLOR	WIRE LEADS	MOTOR WIRE FUNCTION	WIRE COLOR	WIRE LEADS	
A	THRM	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					
F	CH V	GRY					
G	CH W	WHT					
H	CH W1	WHT/BLK					
J							
K	+5VDC	RED					
L	THRM	WHT					
M	CH Z	YEL					
N	CH B	GRN					
P	CH B1	GRN/BLK					
R	CH U1	BRN/BLK					
S	CH V1	GRY/BLK					
T	GND	BLK					
U	CH Z1	YEL/BLK					

TOLERANCES UNLESS SPECIFIED

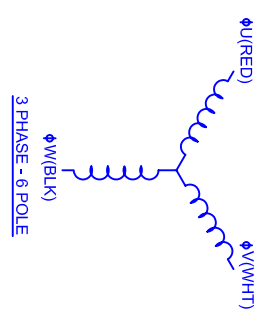
BORE: = H7 ✓
 SURFACE FINISH: = 63 Ra ✓
 DIMENSIONAL: = H12 ✓
 DECIMAL: .xxx ±.12 (.005)
 DECIMAL: .xx ±.25 (.010)
 DECIMAL: .x ±.51 (.020)
 DECIMAL: .x ±.40 (.016)
 ANGLE: = 0.50

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

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CUSTOMER: - DRAWING NO. CM1901Q162MK2048CS DRAWN: DFLA SHEET: 1 OF 1

SCALE: 1/2:1 DATE: 10/18/04 DRAWING NO. CM1901Q162MK2048CS REV. 1



190MM - 1 STK
 230V/KE=162MET/2048/CONN