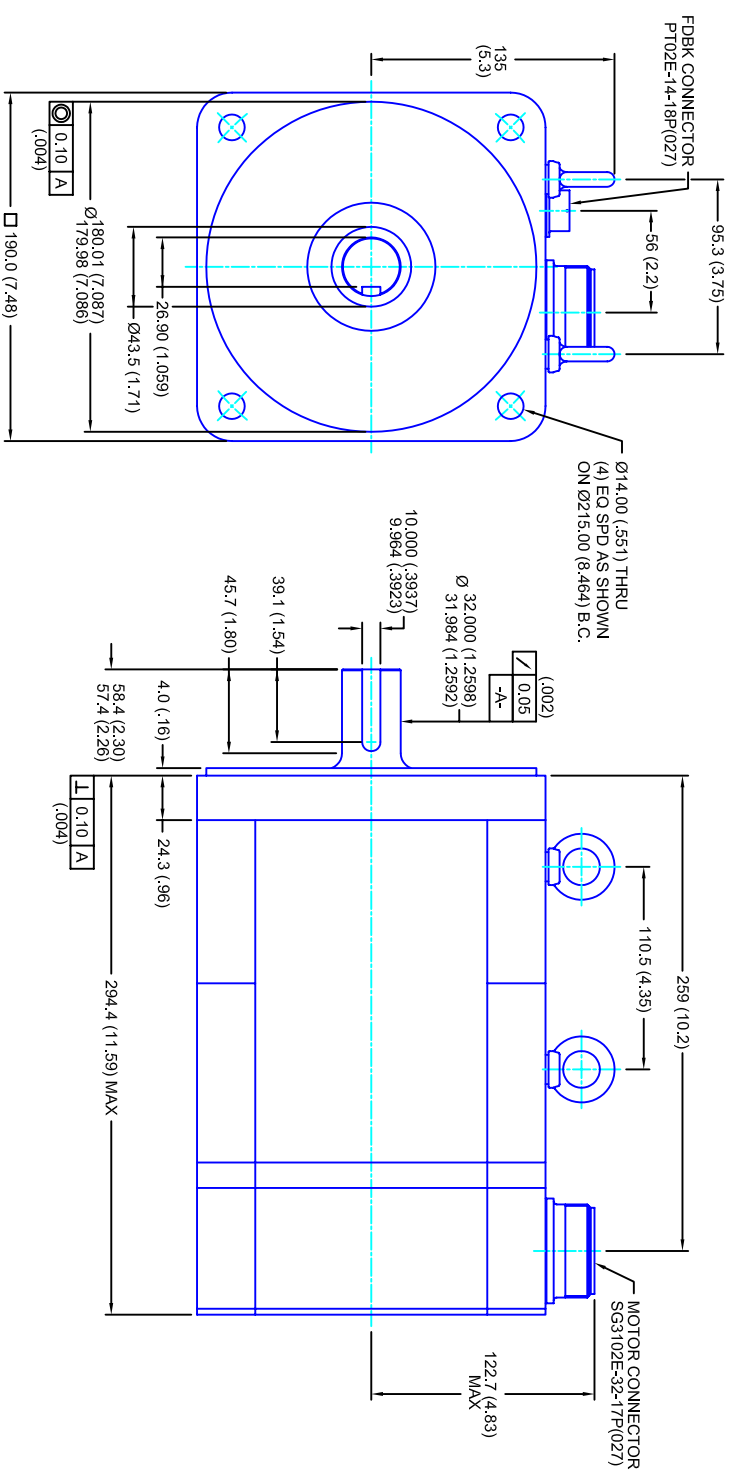


REVISIONS			
REV	DESCRIPTION	DATE	APP'D
1	QUOTE DRAWING	6/21/04	



- 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	13.1
KILOWATTS	KW	9.8
MAX OPERATING SPEED	RPM	3000
SPEED @ RATED TORQUE	RPM	2400
*CONTINUOUS RATED TORQUE @ 2400 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]	31.5
PEAK TORQUE	IN-LBS[IN]m	1200[135.6]
PEAK CURRENT	AMP[S/RMS/Φ]	94.5
MAX THEORETICAL ACCEL.	RAD/SEC ²	27,778
TORQUE SENSITIVITY	KI [N-BS/AMP/RMS/Φ][IN/AMP/RMS/Φ]	12.7[1.44]
BACK EMF (LINE TO LINE)	Vrms/Krpm	80
D.C. RESISTANCE (P-P)	OHMS	.25
INDUCTANCE (P-P)	MILLIHENRIES	2.3
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0432[.00488]
STATIC FRICTION	TT	8.2[.93]

ENCODER INFO:

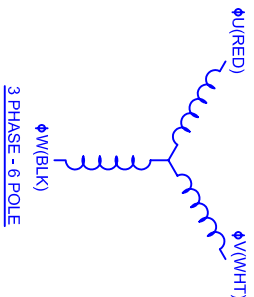
5V - 2048L COMMUTATING

CONNECTION CHART

PT02E-14-18P(027)			
ENC/TERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
PIN	FUNCTION	WIRE COLOR	WIRE COLOR
A	THRM	WHT	RED
B	CH A	BLU	RED
C	CH A1	BLU/BLK	RED
D	GND CABLE	SHLD	BLK
E	CH U	BRN	GRN/YEL
F	CH V	GRY	GRN/YEL
G	CH W	WHT	GRN/YEL
H	CH W1	WHT/BLK	GRN/YEL
J			
K	+5VDC	RED	GRN/YEL
L	THRM	WHT	GRN/YEL
M	CH Z	YEL	GRN/YEL
N	CH B	GRN	GRN/YEL
P	CH B1	GRN/BLK	GRN/YEL
R	CH U1	BRN/BLK	GRN/YEL
S	CH V1	GRY/BLK	GRN/YEL
T	GND	BLK	GRN/YEL
U	CH Z1	YEL/BLK	GRN/YEL

SG3102E-32-17P(027)

SG3102E-32-17P(027)			
MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
PIN	FUNCTION	WIRE COLOR	WIRE COLOR
A	Φ U	RED	RED
B	Φ V	WHT	RED
C	Φ W	BLK	RED
D	PE GND	GRN/YEL	RED



190MM - 1 STK
230V/KE-80/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H2
DRILL:	= H7
DEGIMAL .xxx	±.12 (.005)
DEGIMAL .xx	±.25 (.010)
DEGIMAL .x	±.51 (.020)
ANGLE	±.40 (.016)
ANGLE (MM (INCHES))	±.030

FINISH:	SCALE	DATE	DRAWING NO.	DRAWN:	DFLA	SHEET: 1 OF 1	REV.
WATERLAL:	1/2:1	5/21/04	CM1901Q80MK2048CS				1