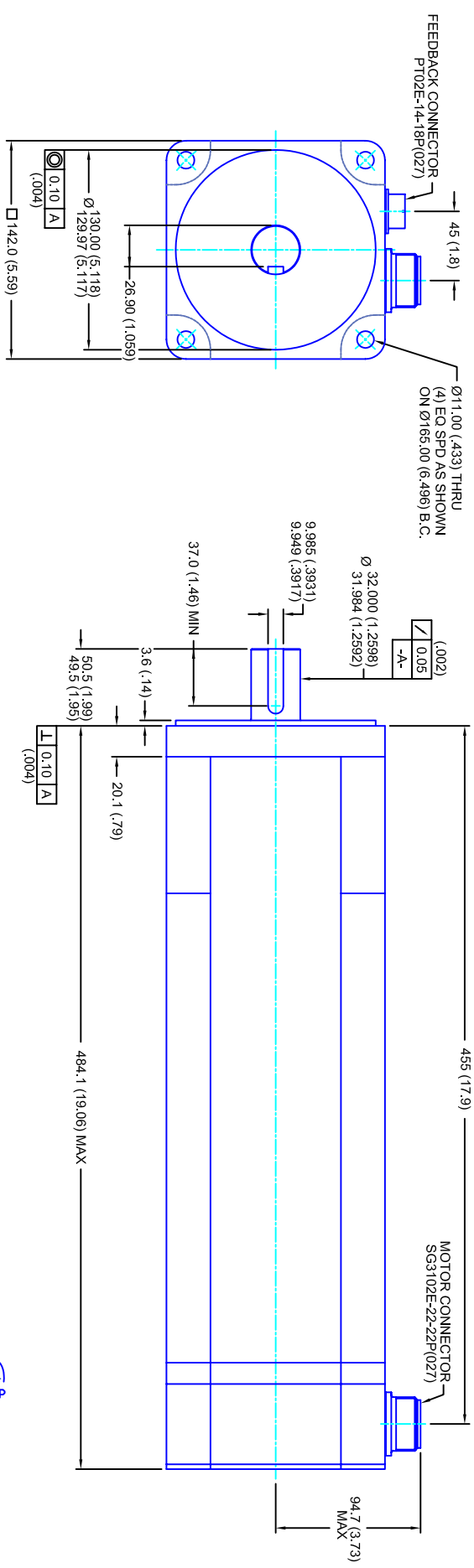


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	6/17/04	



- 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: 38.6 KG [85 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 STALL TORQUE @ 2100 RPM	IN-LBS(IN)	306(134.6)
*CONTINUOUS STALL TORQUE	IN-LBS(IN)	360(160.7)
CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	28.3
PEAK TORQUE	IN-LBS(IN)	108(1122.1)
PEAK CURRENT	AMPS(RMS/Φ)	85.1
MAX THEORETICAL ACCEL.	RAD/SEC ²	29,216
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ]/(MM/AMP/IN/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 ² [KG-M ²]	.0370(.00418)
STATIC FRICTION	TT	4.2(0.47)

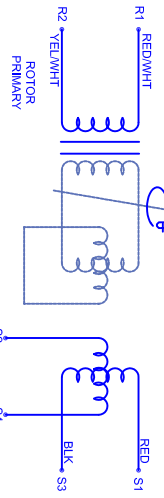
CONNECTION CHART

PT02E-14-18P(027)

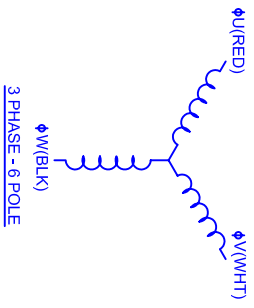
REST/TERM	WIRE LEADS	WIRE COLOR
RES/TERM	WIRE FUNCTION	WIRE COLOR
A	-	RED
B	-	WHT
C	-	BLK
D	RES SHLD	WHT/BLK
E	REF	RED/WHT
F	SIN GND	YEL
G	COS GND	BLK
H	SIN	BLU
J	-	-
K	-	-
L	-	-
M	-	-
N	TERM	WHT
P	-	-
R	REF GND	YEL/WHT
S	COS	RED
T	-	-
U	TERM	WHT

SG3102E-22-22P(027)

MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR
A	ΦU	RED
B	ΦV	WHT
C	ΦW	BLK
D	PE GND	GRN/YEL



SCHEMATIC FOR BRUSHLESS RESOLVER



142MM - 4 STK
230V/KE=80/METRES/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H12
DRILL:	= H12
DECIMAL .xxx	±.12 (.005)
DECIMAL .xx	±.25 (.010)
DECIMAL .x	±.51 (.020)
ANGLE	±.40 (.016)
ANGLE (MM (INCHES))	±.08

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

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CUSTOMER: -

SCALE: 1/2:1

DATE: 6/17/04

DRAWING NO.: CM1424Q80MKRCS

DRAWN: DFLA

SHEET: 1 OF 1

REV.: 1