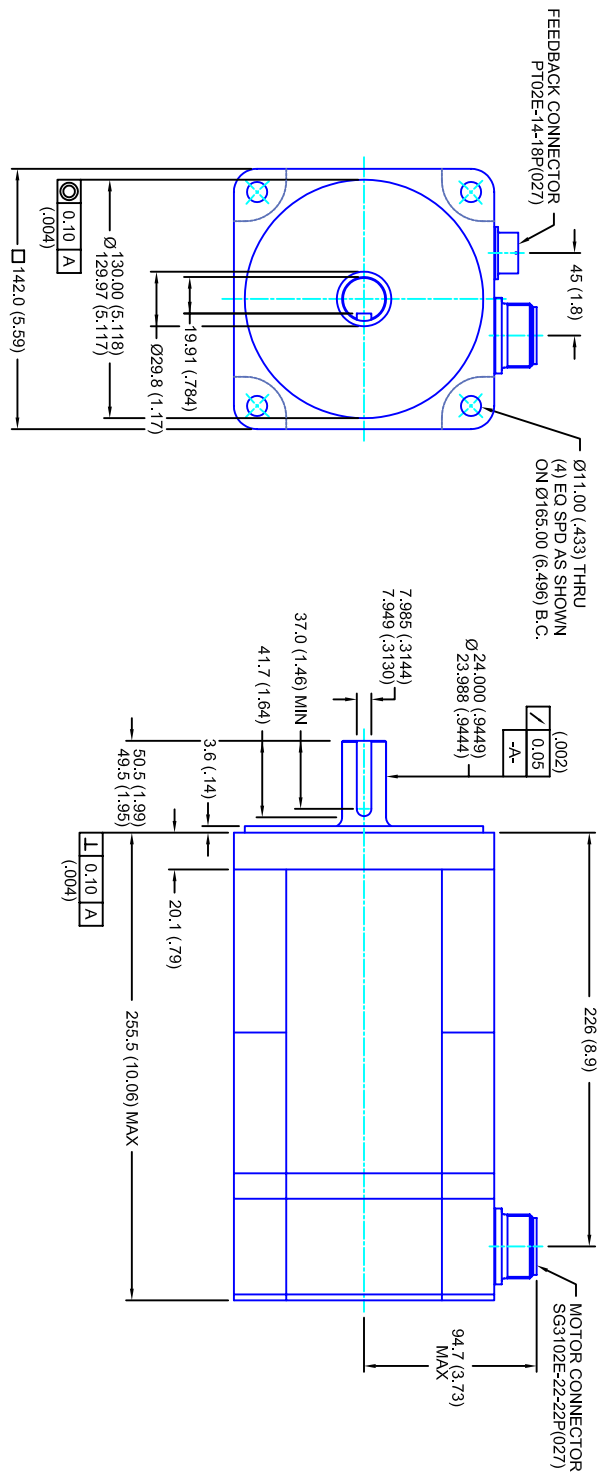


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	10/28/05	



- 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: 15 KG [ 33 LBS ]

**ELECTRICAL DATA**

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	5.2**
KILOWATTS	KW	3.8**
MAX OPERATING SPEED	RPM	4500**
SPEED @ RATED TORQUE	RPM	3250**
*CONTINUOUS RATED TORQUE @ 3250 RPM	IN-LBS(INM)	100(11.3)**
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	130(14.7)
CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	11.7
PEAK TORQUE	IN-LBS(INM)	390(44.1)
PEAK CURRENT	AMPS(RMS/Φ)	35.1
MAX THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	35.135
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ] (NINM/AMP/RMS/Φ)	11.1 [1.26]
BACK EMF (LINE TO LINE)	Vrms/Krpm	70
D.C. RESISTANCE (P-P)	OHMS	.54
INDUCTANCE (P-P)	MILLIHENRIES	3.3
ROTOR INERTIA	IN-LBS-SEC <sup>2</sup> [KG-M <sup>2</sup> ]	.0111 [0.0125]
STATIC FRICTION	TT	2.4 [0.27]

**ENCODER INFO:**

5V - 2000L COMMUTATING

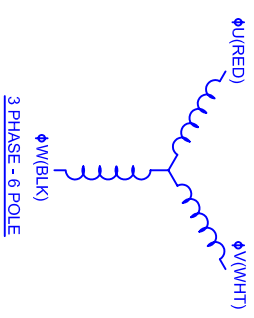
\*\*THESE ARE VALUES FOR THE ORMEC MOTOR MAC-J68405

**CONNECTION CHART**

PT02E-14-18P(027)

SG3102E-22-22P(027)

ENC/TERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR	MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR
A	THERM	WHT	A	Φ U	RED
B	CH A	BLU	B	Φ V	WHT
C	CH A	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	GH W	WHT/BLK			
J	-	-			
K	+5VDC	RED			
L	THERM	WHT			
M	CH Z	YEL			
N	CH B	GRN			
P	CH B	GRN/BLK			
R	CH U	BRN/BLK			
S	CH V	GRY/BLK			
T	GND	BLK			
U	CH Z	YEL/BLK			



142MM - 1 STK  
460V/KE-70/MET/2000/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H2 ✓
DRILL:	= H7 ✓
DECIMAL .XXX	± .12 (005)
DECIMAL .XX	± .25 (010)
DECIMAL .X	± .51 (020)
ANGLE	± .03 (016)
ANGLE (MM/INCHES)	± .030

REMOVE ALL BURRS/BREAK SHARP EDGES (AS PER (010))

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CUSTOMER: SCALE: 1/2:1 DATE: 12/1/04 DRAWING NO: CM1421R70MK2000CS DRAWN: DFLA SHEET: 1 OF 1 REV: 1