

SPECIFICATIONS:	
NUMBER OF PHASES: 4	ROTOR INERTIA: 4400 g-cm <sup>2</sup> ( 24.06 oz-in <sup>2</sup> ) NOM
STEPS PER REVOLUTION: 200	DETENT TORQUE: N/A mNm ( N/A oz-in) MIN
STEP ANGLE: 1.8°	INSULATION CLASS: B
STEP TO STEP ACCURACY: ±0.09°	1, 2 BEARINGS: ABEC 3, DOUBLE SHIELDED
POSITIONAL ACCURACY: ±0.09°	1, 3 TEMP. RISE: 80 °C MAX. 9
HYSTERESIS: N/A%	OPERATING TEMP. RANGE: -20 TO +50 °C
SHAFT RUNOUT: 0.05 mm T.I.R. MAX	STORAGE TEMP. RANGE: -30 TO +70 °C
RADIAL PLAY: 0.02 mm MAX (.5KG RADIAL LOAD)	RELATIVE HUMIDITY RANGE: 15 TO 85 %
END PLAY: 0.08 mm MAX (.5KG AXIAL LOAD)	WEIGHT: 5.2kg (11.464 lb)

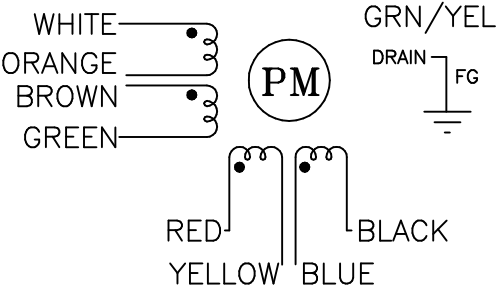
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SPECIFICATION		RESISTANCE PER PHASE	INDUCTANCE PER PHASE	RATED CURRENT	HOLDING TORQUE	HOLDING TORQUE	
CONNECTION		(ohm ±10%)	(mH ±20%)	(amp)	(Nm MIN)	(oz-in Min)	
UNI-POLAR		2.4	11.2	3.6	10	1416	
BI-POLAR SERIES		4.45	44.8	2.55	13	1841	
BI-POLAR PARALLEL		1.375	11.2	5.1	13	1841	

NOTES, UNLESS OTHERWISE SPECIFIED:

- 1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.  
2 BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.  
3 MAXIMUM ERROR IN 360°.  
4. HIPOT 1150 VAC, 60 Hz FOR ONE MINUTE.  
5 LEADS: 8, AWG 22, 7 STRAND MIN., UL AND CSA APPROVED, UL 2517.  
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.  
7 AS MEASURED ACROSS EACH PHASE.  
8 AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1 KHz.  
9 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.  
10 ENCODER P/N 970-1005. COVER P/N 400-1766.  
ENCODER CABLE 3004-195-10 TO BE INCLUDED WITH MOTOR.  
11. ROTOR & STATOR LAMINATED CONSTRUCTION.  
12. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.  
13 MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, AMP P/N, 'MADE IN (COUNTRY OF ORIGIN)', AND DATE CODE.  
14. HI TORQUE MOTOR DESIGN, MICROSTEP LAMINATION, INTENDED FOR USE WITH 120V DRIVES WHEN WINDINGS CONNECTED IN PARALLEL AND WITH 220V DRIVES WHEN WINDINGS CONNECTED IN SERIES.  
15 GROUND LEAD: AWG 22, UL 2517 DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR ENDBELL.  
16 CABLE GLAND TO BE NICKEL-PLATED BRASS, ASI P/N 3012215 OR EQUIVALENT.  
17. ASSEMBLE PER AMP SPEC 960-0084.

FULL STEP SWITCHING SEQUENCE  
PARALLEL CONNECTION, FACING MOUNTING END

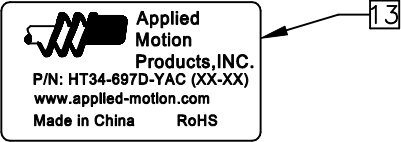
STEP	WHITE	GREEN	RED	BLACK	CCW
0	+	-	+	-	
1	-	+	+	-	
2	-	+	-	+	
3	+	-	-	+	
4	+	-	+	-	



HT34-697D-YAC

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
7490	A	INITIAL RELEASE	9/15/16	J.KORDIK
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-	-	-	-	-
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LABEL DETAIL



CONTRACT NO. -		APPLIED MOTION PRODUCTS, INC.		
APPROVALS		DATE		
DRAWN K.KESLER		9/8/16		
CHECKED -		-		
APPROVED -		-		
APPROVED -		-		
B		COMPUTER DATA BASE DRAWING	DWG NO. HT34-697D-YAC	REV A
SCALE: NONE		SHEET 1 OF 2		

