

SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: 260 G-CM ² (1.42 OZ-IN ²) REF
STEP ANGLE: 1.8°	HOLDING TORQUE: 0.87N-m (123.2 OZ-IN) MIN 1
STEP TO STEP ACCURACY: ±5 % 1 , 2	DETENT TORQUE: 40 mN-m (5.66 OZ-IN) MIN
POSITIONAL ACCURACY: ±5 % 1 , 3	
HYSTERESIS: - %	INSULATION CLASS: B
WINDING RESISTANCE: 0.73 OHM ±15% AT 20° 12	BEARINGS: ABEC 3, DOUBLE SHIELDED
WINDING INDUCTANCE: 1.6 mH ± 20% 7	WEIGHT: 600 G (21 OZ) APPROXIMATE
PHASE VOLTAGE: 2.0 VDC	TEMP. RISE: 80°C MAX. 8
PHASE CURRENT: 2.8 AMP (RATED)	OPERATING TEMP. RANGE: -20 TO +50 °C
NUMBER OF PHASES: 2	STORAGE TEMP. RANGE: -30 TO +70 °C
SHAFT RUNOUT: 0.03 T.I.R.	RELATIVE HUMIDITY RANGE: 15 TO 85 %
RADIAL PLAY: 0.02mm MAX WITH .5KG RADIAL LOAD.	
END PLAY: 0.08mm MAX WITH .5KG AXIAL LOAD.	

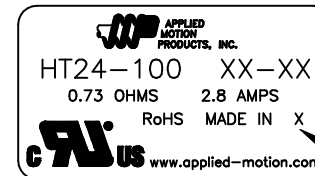
HT24-100

REVISIONS

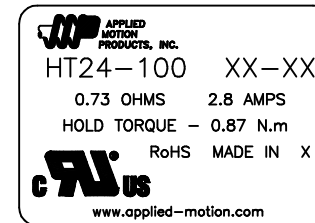
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
5896	A	INITIAL RELEASE	2/17/09	J KORDIK
5961	B	REV'D SPECS, HOLES, WIRE COLORS	9/4/09	J KORDIK
6022	C	CONN CHG, TOLERANCE CHG	11/4/09	J KORDIK
6303	D	CONN ORIENTATION CHG	5/12/11	J AMOS
7172	E	SPEC CLEANUP	4/15/15	J KORDIK
7238	F	WIRING DETAIL REVISED	6/22/15	J KORDIK
7247	G	ADD UL TO LABEL	1/26/16	J KORDIK
7447	H	REVISE NOTE 10	6/7/16	J KORDIK

NOTES, UNLESS OTHERWISE SPECIFIED:

- 1** MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2** BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- 3** MAXIMUM ERROR IN 360°.
4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- 5** LEADS: 4, 22 AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 1007.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7** AS MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
- 8** AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 9** SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- 11** MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
- 12** AS MEASURED ACROSS ANY WINDING.



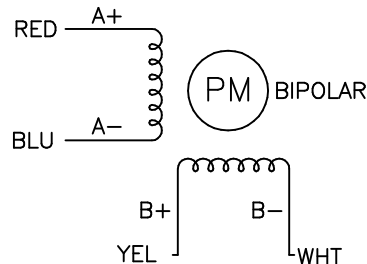
LABEL DETAIL
BOTH OPTIONS ACCEPTABLE



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**SWITCHING SEQUENCE FOR CW ROTATION
FACING MOUNTING END**

STEP	A+	B+	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+



CONTRACT NO. -		APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN <i>R. JONEZ</i>	<i>2/6/09</i>				
CHECKED		B	COMPUTER DATA BASE DRAWING	DWG NO. HT24-100	REV H
APPROVED			SCALE: NONE	SHEET 1 OF 2	

