SPECIFICATIONS:					
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 35.0 G-CM ² (0.19 OZ-IN ²) REF				
STEP ANGLE: 1.8°	HOLDING TORQUE: 1.6KG-CM (22.2 OZ-IN)MIN 1				
STEP TO STEP ACCURACY: ±5 % 1,2	DETENT TORQUE: 36 G-CM (0.5 OZ-IN) MIN				
POSITIONAL ACCURACY: ±5 % 1,3					
HYSTERESIS: - %	INSULATION CLASS: B				
WINDING RESISTANCE: 4.2 OHM ±10% AT 25° 7	BEARINGS: ABEC 3, DOUBLE SHIELDED				
WINDING INDUCTANCE: 2.8 mH ± 20% 8	WIEGHT: 200 G (7.0 OZ) APPROXIMATE				
PHASE VOLTAGE: 4.0 VDC	TEMP. RISE: 80°C MAX.				
PHASE CURRENT: .95 AMP (RATED)	OPERATING TEMP. RANGE: -10 TO 40 °C				
	STORAGE TEMP. RANGE: -40 TO 70 °C				
SHAFT RUNOUT: 0.013 T.I.R.	RELATIVE HUMIDITY RANGE: 5 TO 95 %				
RADIAL PLAY: 0.025 MAX WITH .5KG RADIAL LOAD.					
END PLAY: 0.075 MAX WITH 1.0KG AXIAL LOAD.					

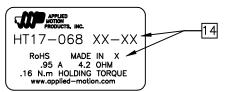
90 ~ HT1

	REVISIONS					
ECO NO.	REV	DESCRIPTION	DATE	APPROVED		
3847	Α	INITIAL RELEASE	2-16-94	X. Xordik		
3930	В	ADD HT17-068P NOTE	5-25-95	X. Xordik		
5000	C	ADD "17HT33D" NOTATION				
5235	D	ADD EU COMPLIANCE NOTES	8/25/05	R. Hazelwood		
5251	Е	Chg HT17-068P to 17HT33P	22/11/05	R. Hazelwood		
6018	F	ADD MECH DATA	10/29/09	J Kordik		
6042	G	REVISE ENCODER HOLES	12/23/09	J. Kordik		
6082	Ι	ADD ENCODER HOLES	3/3/10	J Kordik		
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NOTES, UNLESS OTHERWISE SPECIFIED:

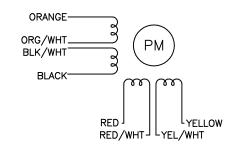
- 1 MEASURMENTS MADE AT RATED CURRENT IN EACH PHASE.
- BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- MAXIMUM ERROR IN 360°.
- 4. HIPOT 500 VAC FOR ONE MINUTE.
- 5 LEADS: 8 ,AWG 26,7 STRAND MIN.,UL AND CSA APPROVED, UL 3265.
- 6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 AS MEASURED ACROSS ANY WINDING. 8 AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE (1 KHz).
- 9 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 10. HIGH TORQUE MOTOR DESIGN.
- 11. ROTOR & STATOR LAMINATION MATERIAL: 0.5mm thk, SEE AMP STD SPEC #1500-062.
- 12 IF DOUBLE SHAFT IS REQUIRED, ADD "D" TO END OF PART NUMBER.
- 13. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- 14 MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.

LABEL DETAIL



SWITCHING	SEQUENCE	FOR	CW	ROTATION
F	ACING MOU	NTING	END	

STEP	ORANGE	BLACK	RED	YELLOW
0 +		_	+	_
1	_	+	+	_
2	-	+	_	+
3	+	_	_	+
4 +		_	+	



CONTRACT NO. CAT	APPLIED MOTION PRODUCTS, INC.						
APPROVALS	DATE						_
DRAWN R. BARRICK	1/10/94	STEP MOTOR OUTLINE				S	
CHECKED & Consen	2/16/94				I		I nn /
	2/16/94			ITER DATA DRAWING	DWG NO.	HT17-068	REV H
APPROVED		SCALE: FULL				SHEET 1 OF 2	

