	REVISIONS						
REV	DESCRIPTION	DATE	APPROVED				
Α	INITIAL RELEASE ECO 3527	1/18/90	B. CORSER				
В	SEE ECO 3555	5/18/90	B. Corser				
С	SEE ECO 3652	7/16/91	X. Xordik				
D	ADD'D 105'C 5 ECO 3763	10/16/92	T. Torks				

1. THIS SPEC NOT COMPLETE WITHOUT: DWG. NO. 231838 NOTES, UNLESS OTHERWISE SPECIFIED:

CONTRACT NO.	APPLIED MOTION PRODUCTS, INC.						
APPROVALS	DATE	MOTOR SPECIFICAT					
	10/31/89			IFICATIO	CATION		
CHECKED B. Corser	7/15/91	A COMPLE		ITER DATA DWG NO.		5000 040	REV
	1/18/90	A	BASE DRAWING		DWG No. 5023-019		D
APPROVED. Xordik	7/16/91					SHEET 1 OF 4	

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 FOR ONE MINUTE.
- LEADS: 6, AWG 22, 7 STRAND MINIMUM. UL AND CSA APPROVED, 105°C, "L" = 457mm MINIMUM.
- 6. INSULATION RESISTANCE: 100 MEGOHMS MINIMUM 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 SHAFT OPTION: IF REAR SHAFT REQUIRED ADD "D" TO END OF PART NUMBER .

11. LAMINATION MATERIAL: 0.5mm thk, SEE AMP SPEC #1500-062.

REV

D

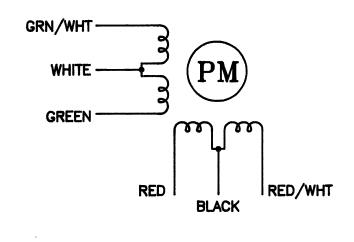
SPECIFICATIONS:	NOTES
STEPS PER REVOLUTION: 200	
STEP ANGLE: 1.8°	
STEP TO STEP ACCURACY: ±5%	1 2
POSITIONAL ACCURACY: ±5%	1 3
HYSTERESIS:	
WINDING RESISTANCE: 30.0 OHMS ± 10% AT 25°	7
WINDING INDUCTANCE: 28 mH ± 20%	8
PHASE VOLTAGE: 13,2 VDC	
PHASE CURRENT: .44 AMP (RATED)	
SHAFT RUNOUT: .025 T.I.R.	
RADIAL PLAY: .025 MAX WITH .45 Kg RADIAL LOAD.	
END PLAY: .025 MAX WITH A 4.1 Kg AXIAL LOAD	
ROTOR INERTIA: 55 G-CM2 REF	
HOLDING TORQUE: 2.9 Kg—CM MIN.	1
DETENT TORQUE: 240 G-CM MIN.	
INSULATION CLASS: B	
BEARINGS: ABEC 3, DOUBLE SHIELDED	
TEMPERATURE RISE: 80°C MAX	9
OPERATING TEMPERATURE RANGE: -20 TO 50°C	
STORAGE TEMPERATURE RANGE: -40 TO 70°C	
RELATIVE HUMIDITY RANGE: 5 TO 95%	
MAX OVERHANG LOAD: 6.79 KG	
MAX THRUST LOAD: 11.32 KG	

	APPLIED MOTION	
AAA	PRODUCTS,	INC.

MOTOR	SPECI	FICAT	ION		SPEC	NC
(COMF	UTER	DATA	BASE	DRA'	WING)

SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

L				
STEP	RED	RED/WHT	GREEN	GRN/WHT
0	ON	OFF	ON	OFF
1	OFF	ON	ON	OFF
2	OFF	ON	OFF	ON
3	ON	OFF	OFF	ON
4	ON	OFF	ON	OFF





MOTOR SPECIFICATION SPEC NO. 5023-019 COMPUTER DATA BASE DRAWING SHEET 4