

## **SPECIFICATIONS:**

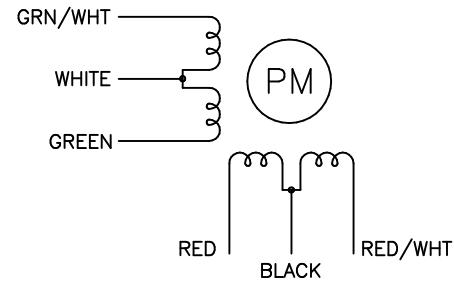
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 35 G-CM <sup>2</sup> (.19 OZ-IN <sup>2</sup> )REF
STEP ANGLE: 1.8°	HOLDING TORQUE: 2.2KG-CM ( 30.5 OZ-IN)MIN [1]
STEP TO STEP ACCURACY: ± 5 %	DETENT TORQUE: 65 G-CM (0.9 OZ-IN) MIN
POSITIONAL ACCURACY: ± 5 %	[1, 3]
HYSTERESIS: - %	INSULATION CLASS: B
WINDING RESISTANCE: 7.5 OHM ±10% AT 25° [7]	BEARINGS: ABEC 3, DOUBLE SHIELDED
WINDING INDUCTANCE: 6.6 mH ± 20% [8]	
PHASE VOLTAGE: 6.0 VDC	TEMP. RISE: 80°C MAX. [9]
PHASE CURRENT: 0.8 AMP (RATED)	OPERATING TEMP. RANGE: -10 TO 40 °C
	STORAGE TEMP. RANGE: -40 TO 70 °C
SHAFT RUNOUT: 0.013 TIR	RELATIVE HUMIDITY RANGE: 5 TO 95 %
RADIAL PLAY: .03 MAX WITH 2KG RADIAL LOAD	
END PLAY: .03 MAX WITH A 3KG AXIAL LOAD	

**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.
  - 5. LEADS: 6 ,AWG 22,7 STRAND MIN.,UL AND CSA APPROVED, UL 3265. "L" = 305mm MINIMUM
  - 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 SHAFT OPTION: IF REAR SHAFT REQUIRED ADD "D" TO END OF PART NUMBER.
  - 11. ROTOR; LAMINATED CONSTRUCTION.
  - 12. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
  - 13. MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT.

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

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

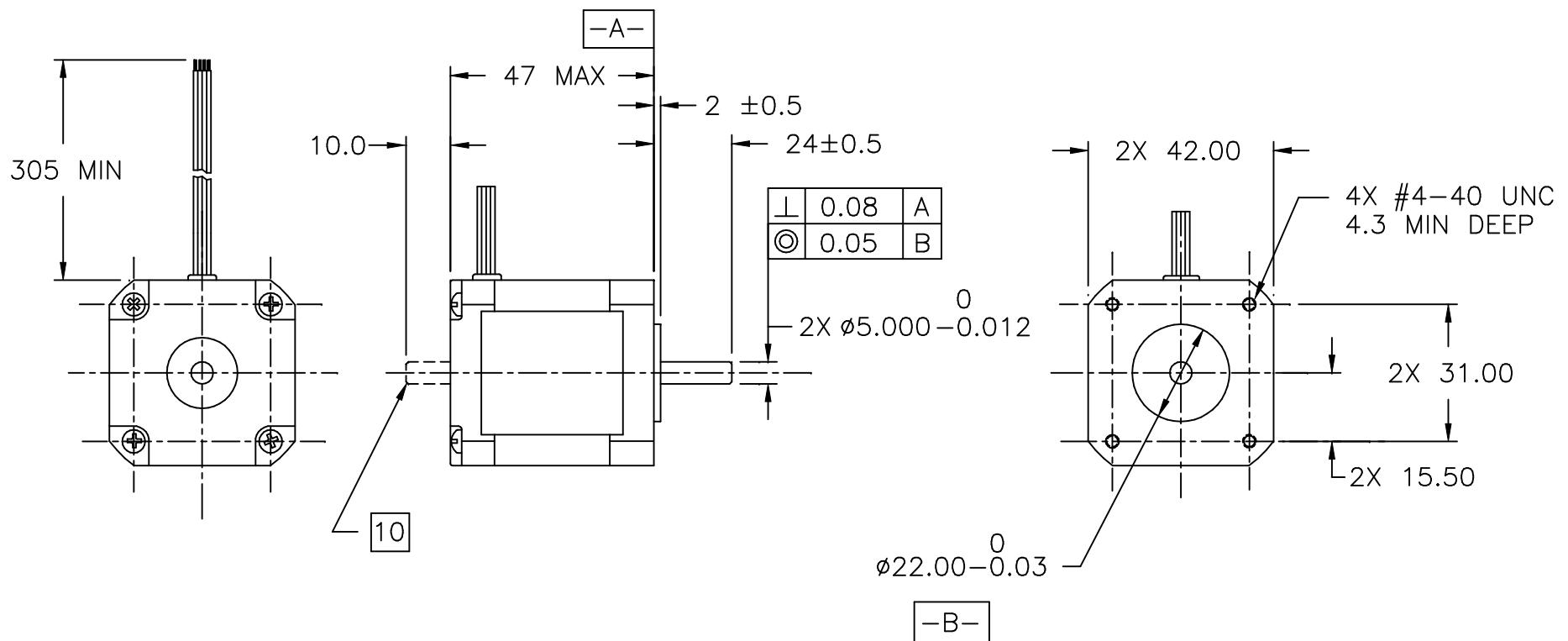


REVISIONS

THIS SPEC NOT COMPLETE WITHOUT DWG NO. 171846

CONTRACT NO.		CAT		 <b>APPLIED MOTION PRODUCTS, INC.</b>			
APPROVALS		DATE		<h1 style="text-align: center;">STEP MOTOR OUTLINE</h1>			
DRAWN	<i>R. BARRICK</i>	9/28/89					
CHECKED							
APPROVED	<i>B. Corser</i>		1/22/90	B	COMPUTER DATA BASE DRAWING	DWG NO.	REV
APPROVED				SCALE: FULL		SHEET 1 OF 1	E

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE, ECO 3561	6/12/90	B.CORSER
B	UPDATE NEW END BELLS	12/10/90	X. Kordik
C	ADDED NOTATION 10 3612	1/24/91	X. Kordik



THIS DWG NOT COMPLETE WITHOUT SPEC NO. 5017-

TOLERANCES		THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.	
DECIMALS: MM (INCH) X.XXX = ±0.01 (.005) X.XX = ±0.10 (.010) X.X = ±0.20 (.020) ANGLES: MACH. = ±.5° CHAM. = ±5°					
		APPROVALS	DATE		
		DRAWN R. BARRICK	5/19/89	STEP MOTOR OUTLINE	
		CHECKED B. Corser	1/24/91	B DWG NO.	171846 REV C
COMPUTER DATA BASE DRAWING		APPROVED X. Kordik	12/10/90	SCALE: FULL	SHEET 1