

SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 2.7KG-CM ² (0.0387 OZ-IN-SEC ²)NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 3.56 G-CM (49.5 OZ-IN) MIN
STEP TO STEP ACCURACY:±.09 DEGREES [1] , [2]	INSULATION CLASS: B
POSITIONAL ACCURACY:±.09 DEGREES [1] , [3]	WEIGHT: 3.8 KG (8.4 LBS)
SHAFT RUNOUT: 0.05mm T.I.R. MAX	TEMP. RISE: 80 °C MAX. [9]
RADIAL PLAY: 0.025mm MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C
END PLAY: 0.075mm MAX W/A 1KG AXIAL LOAD	STORAGE TEMP. RANGE: -40 TO +70 °C
BEARINGS: ABEC 3 , DOUBLE SHIELDED	RELATIVE HUMIDITY RANGE: 5 TO 99 %


	[7]	[8]		[1]	[1]
SPECIFICATION CONNECTION	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE Nm Min	HOLDING TORQUE oz-in Min.
BI-POLAR SERIES	2.6	21.6	2.8	8.9	1260
BI-POLAR PARALLEL	0.65	5.4	5.6	8.9	1260
UNI-POLAR	1.29	5.4	4.0	6.4	906

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, 22AWG, 7 STRAND MIN.,UL AND CSA APPROVED, 105°C. CABLE, 8 COND. W/DRAIN. CABLE 666-2126.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- [7] MEASUREMENTS MADE WITH CABLE.
- [8] MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz, WITH CABLE.
- [9] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
10. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- [11] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
12. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION, INTENDED FOR USE WITH 80VDC DRIVES WHEN WINDINGS CONNECTED IN PARALLEL AND WITH 160VDC DRIVES WHEN WINDINGS CONNECTED IN SERIES.
13. ASSEMBLE PER AMP SPEC 960-0082.

- [14] ENCODER CABLE 3004-195-10 TO BE INCLUDED WITH MOTOR. PLEASE REFER TO CABLE DRAWING, AVAILABLE ON WEBSITE, FOR FULL DETAILS. ENCODER VOLTAGE: +5V ±5%, ENCODER CURRENT: 160ma.
- [15] MOTOR TO MEET IP65 STANDARDS. CABLE GLAND TO BE NICKEL-PLATED BRASS, ASI P/N 3012215 OR EQUIVALENT.

LABEL DETAIL


**APPLIED
MOTION
PRODUCTS, INC.**

HW34-506D-YAC XX-XX
 SERIES - 2.8A/2.6 OHM
 PARALLEL - 5.6A/0.65 OHM
 HOLD. TORQUE - 8.9 N.m
 RoHS MADE IN X
 www.applied-motion.com

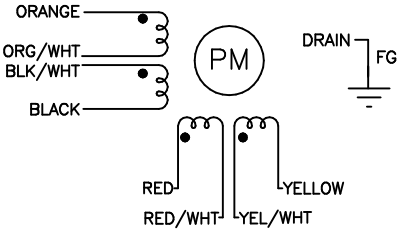
[11]

BIPOLAR, FULL STEP, 2 PHASE ON
 PARALLEL CONNECTED
 SWITCHING SEQUENCE FOR CW ROTATION
 FACING MOUNTING END

STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-


CW

 CCW



HW34-506D-YAC

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
6449	A	INITIAL RELEASE	3/7/12	J KORDIK
6578	B	WAS -YAA, DRAWING CLEANUP	8/16/12	J KORDIK

CONTRACT NO. -		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	<div>STEP MOTOR OUTLINE</div> <div>TOP ASSEMBLY</div>			
DRAWN <i>R.JONEZ</i>	3/7/12				
CHECKED		B	COMPUTER DATA BASE DRAWING	DWG NO. HW34-506D-YAC	REV B
APPROVED			SCALE: NONE	SHEET 1 OF 2	

