SPECIFICATIONS:					
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 57.0 G-CM <sup>2</sup> ( .31 OZ-IN <sup>2</sup> ) REF				
STEP ANGLE: 1.8°	DETENT TORQUE: 152.9 G-CM (2.12 OZ-IN) MIN				
STEP TO STEP ACCURACY: ±5 % 1,2	INSULATION CLASS: B				
POSITIONAL ACCURACY: ±5 % 1,3	BEARINGS: ABEC 3 , DOUBLE SHIELDED				
HYSTERESIS: - %	WEIGHT: 280 G (9.8 OZ) APPROXIMATE				
SHAFT RUNOUT: 0.03 T.I.R.	TEMP. RISE: 80 °C MAX.				
RADIAL PLAY: 0.02 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C				
END PLAY: 0.08 MAX W/A .5KG AXIAL LOAD	STORAGE TEMP. RANGE: -30 TO +70 °C				
	RELATIVE HUMIDITY RANGE: 15 TO 85 %				

7	
---	--

							_
SPECIFIC	OF	RESISTANCE PER PHASE	INDUCTANCE PER PHASE	RATED CURRENT	RATED VOLTAGE	HOLDING TORQUE	
CONNECTION	PHASE	OHM ±10%	mH ±20%	Amp	V	N.m Min	பய
BI-POLAR SERI	ES 2	7.0	12.0	0.85	6.0	0.37	
BI-POLAR PARA	LLEL 2	1.7	3.0	1.70	2.9	0.37	
UNI-POLAR	4	3.5	3.0	1.20	4.2	0.29	

### 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: 8, 26 AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265.
- 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 TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.

# HT17-271

REVISIONS						
ECO NO.	REV	DESCRIPTION	DATE	APPROVED		
5976	Α	INITIAL RELEASE	8/28/09	J KORDIK		
6090	В	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK		

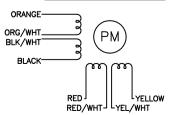
# DRIVE SEQUENCE MODEL BI-POLAR FULL STEP

CCW

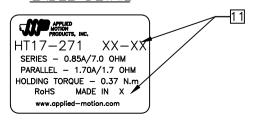
1	STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT
	1	+	_	+	_
	2	ı	+	+	_
ļ	3	-	+	1	+
w	4	+	ı	ı	+

CW(CLOCKWISE) AND CCW(COUNTER-CLOCKWISE) ROTATION
WHEN SEEN FROM THE FLANGE SIDE OF THE MOTOR

### WIRING DIAGRAM



## LABEL DETAIL



CONTRACT NO.				W	APPLIED MOTION PRODUCTS,	, INC.	
APPROVALS	DATE						
DRAWN R.JONEZ	8/19/09	$\mid S$	TE	<sup>3</sup> MO	TOR	OUTLINE	<u>'</u>
CHECKED							
			COMPL	ITER DATA	DWG NO.		REV
APPROVED		$\mid$ B		DRAWING		HT17-271	В
APPROVED		SCALE:	NONE			SHEET 1 OF 2	

# MOTOR DRAWING

