

SPECIFICATIONS:					
NUMBER OF PHASES: 4			ROTOR INERTIA: 4400 g-cm ² (24.06 oz-in ²) NOM		
STEPS PER REVOLUTION: 200			DETENT TORQUE: N/A mNm (N/A oz-in) MIN		
STEP ANGLE: 1.8°			INSULATION CLASS: B		
STEP TO STEP ACCURACY: ±0.09°			BEARINGS: ABEC 3, DOUBLE SHIELDED		
POSITIONAL ACCURACY: ±0.09°			TEMP. RISE: 80 °C MAX.		
HYSTERESIS: N/A%			OPERATING TEMP. RANGE: -20 TO +50 °C		
SHAFT RUNOUT: 0.05 mm T.I.R. MAX			STORAGE TEMP. RANGE: -30 TO +70 °C		
RADIAL PLAY: 0.02 mm MAX (.5KG RADIAL LOAD)			RELATIVE HUMIDITY RANGE: 15 TO 85 %		
END PLAY: 0.08 mm MAX (.5KG AXIAL LOAD)			WEIGHT: 5.2 kg (11.46lb)		

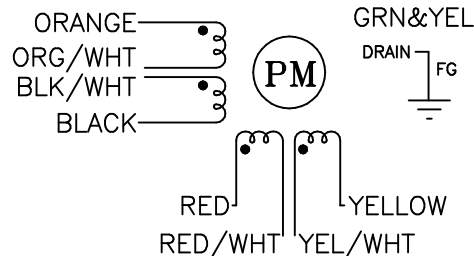
SPECIFICATION	[7]	[8]	[1]	[1]	[1]
	RESISTANCE PER PHASE (ohm ±10%)	INDUCTANCE PER PHASE (mH ±20%)	RATED CURRENT (amp)	HOLDING TORQUE (Nm MIN)	HOLDING TORQUE (oz-in MIN)
CONNECTION					
UNI-POLAR	0.55	3.0	6.3	9.2	1302
BI-POLAR SERIES	1.1	12	4.5	12	1699
BI-POLAR PARALLEL	0.275	3	8.9	12	1699

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 500 VAC, 60 Hz FOR ONE MINUTE.
- [5] LEADS: 8, AWG 20, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- [7] AS MEASURED ACROSS EACH PHASE.
- [8] AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1 KHz.
- [9] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- [10] ADD "D" TO END OF PART NUMBER IF DOUBLE SHAFT IS REQUIRED.
- ENCODER AND ENCODER COVER HOLES INCLUDED WITH REAR SHAFT VERSION ONLY.
11. ROTOR & STATOR LAMINATED CONSTRUCTION.
12. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- [13] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, AMP P/N, 'MADE IN (COUNTRY OF ORIGIN)', AND DATE CODE.
14. HI TORQUE MOTOR DESIGN.
- [15] GROUND LEAD: AWG 24, UL 1430. DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR ENDBELL.

FULL STEP SWITCHING SEQUENCE PARALLEL CONNECTION, FACING MOUNTING END

STEP	ORG & BLK/WHT	BLK & ORG/WHT	RED & YEL/WHT	YEL & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-



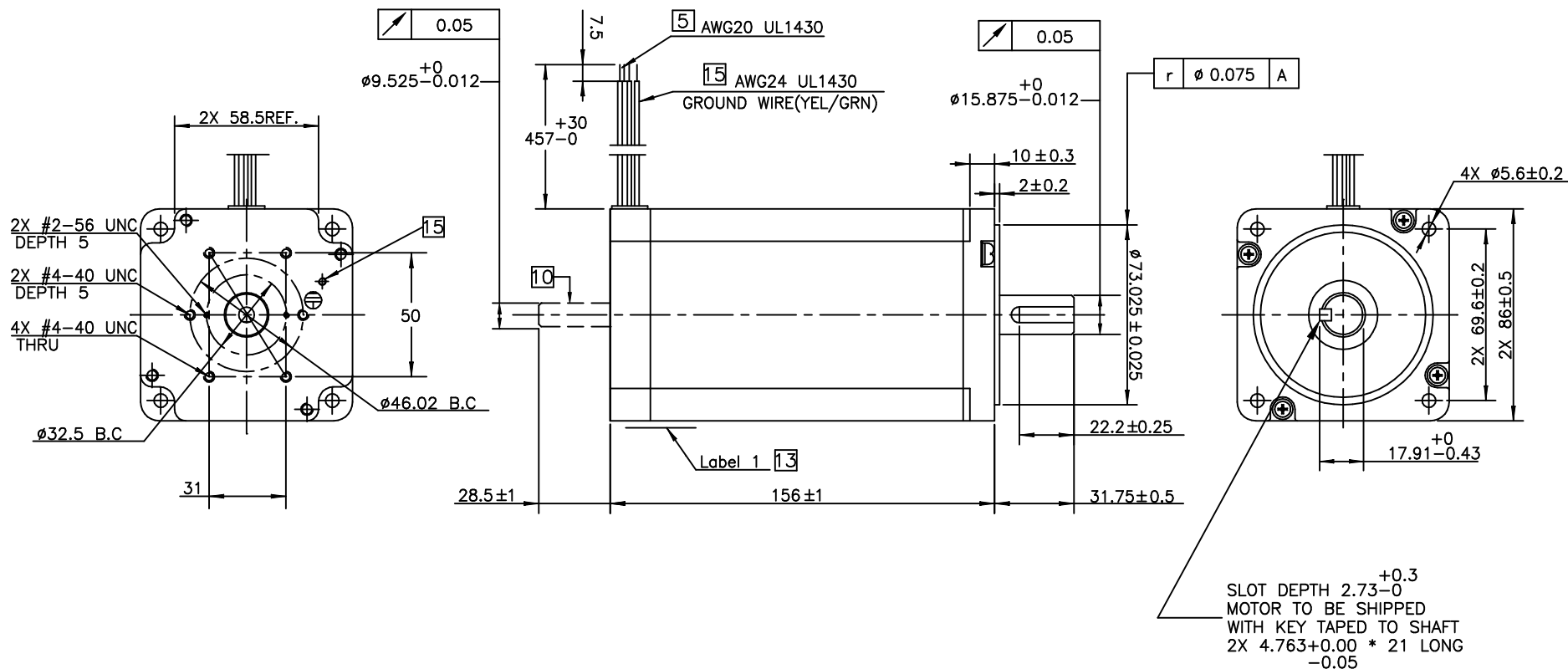
HT34-687

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
7116	A	PRELIMINARY RELEASE	12/29/14	D.MACLEOD
7360	B	MECH. SPEC. CHANGES	12/17/15	J.KORDIK
7376	C	SPEC. CHANGES	1/28/16	J.KORDIK
7564	D	LEADS, ENCODER COVER	9/19/17	J.KORDIK
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-


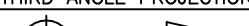
LABEL DETAIL



CONTRACT NO. -		APPLIED MOTION PRODUCTS, INC.		
APPROVALS	DATE	STEP MOTOR OUTLINE		
DRAWN K.KESLER	9/19/17			
CHECKED K.KESLER	9/19/17			
APPROVED J.KORDIK	9/19/17			
APPROVED -	-	B	COMPUTER DATA BASE DRAWING	DWG NO. HT34-687
SCALE: NONE		SHEET 1 OF 2		



*ALL DIMENSIONS IN MM

TOLERANCES		THIRD ANGLE PROJECTION		 APPLIED MOTION PRODUCTS, INC.			
DECIMALS: MM X.XX = ±0.13 X.X = ±0.25 X = ±0.5 ANGLES: MACH. = ±0.5° CHAM. = ±5°							
COMPUTER DATA BASE DRAWING		APPROVALS	DATE	STEP MOTOR OUTLINE			
		DRAWN K.KESLER	9/19/17				
		CHECKED K.KESLER	9/19/17	B	DWG NO.	HT34-687	REV D
		APPROVED J.KORDIK	9/19/17		SCALE: NONE	SHEET 2 OF 2	