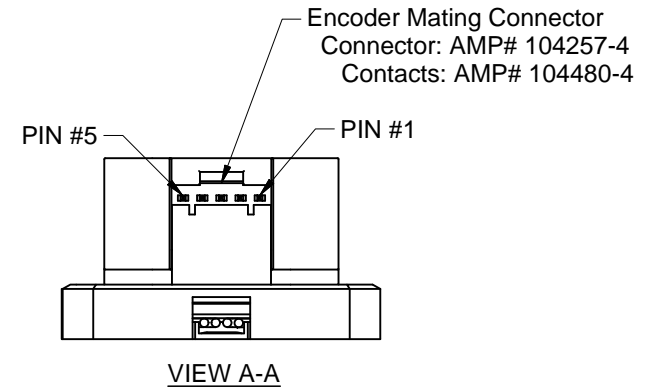
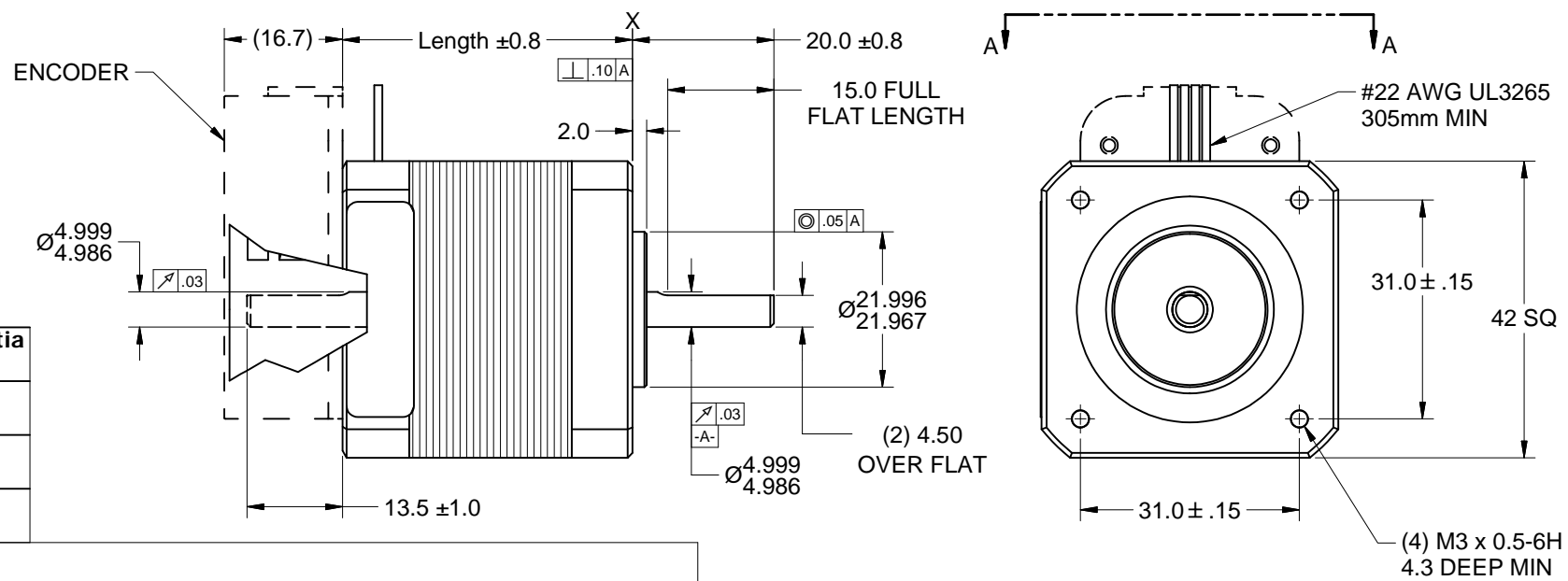


Stepping Motor Number	Length (mm)	Motor Weight (g)	Rotor Inertia (kg-cm ²)
TPE17M-25V	36.1	250	0.0407
TPE17M-32A			
TPE17M-34V	41.1	300	0.0606
TPE17M-44A			
TPE17M-42V	49.1	370	0.0827
TPE17M-55A			



ENCODER PINOUT CHART			
Pin No.	Function	Current (Max)	Supply
1	GROUND	33 ma	5 ±.5 Volt
2	INDEX		
3	CHANNEL A		
4	+5 VDC		
5	CHANNEL B		

TPE17M-32A20-1110-X

Metric Windings	Holding Torque (N-cm)		Rated Voltage (Vdc)		Rated Current (Amp)		Phase Resistance (ohm)		Phase Inductance (mH)	
	Unipolar(V)	Bipolar(A)	Unipolar(V)	Bipolar(A)	Unipolar(A)	Bipolar(A)	Unipolar(ohm)	Bipolar(ohm)	Unipolar(mH)	Bipolar(mH)
25V40	25 V	4.00	1.05	3.81	3.37					
25V60	25 V	6.00	0.70	8.56	7.56					
25V120	25 V	12.00	0.35	34.24	30.24					
32A10	32 A	4.28	1.00	4.28	7.55					
32A15	32 A	2.85	1.50	1.90	3.36					
32A20	32 A	2.14	2.00	1.07	1.89					
34V40	34 V	4.00	1.27	3.15	2.93					
34V60	34 V	6.00	0.85	7.06	6.58					
34V120	34 V	12.00	0.45	26.68	26.33					
44A10	44 A	4.99	1.00	4.99	9.30					
44A15	44 A	3.33	1.50	2.22	4.14					
44A20	44 A	2.50	2.00	1.25	2.32					
42V40	42 V	4.00	1.47	2.72	3.21					
42V60	42 V	6.00	0.98	6.12	7.21					
42V120	42 V	12.00	0.49	24.49	28.86					
55A10	55 A	6.12	1.00	6.12	14.42					
55A15	55 A	4.08	1.50	2.72	6.42					
55A20	55 A	3.16	2.00	1.58	3.40					

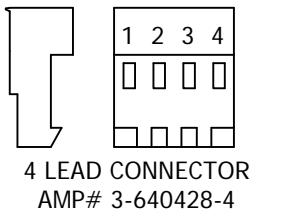
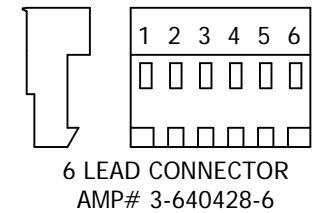
Character	Step Angle
1	1.8°

Character	Front Shaft Feature
0	Round
1	Flat

Character	Lead Termination
0	Flying Leads
1	Connector

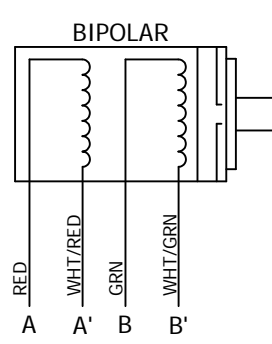
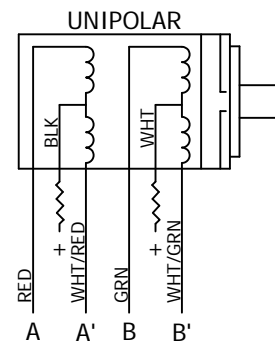
Character	Rear Shaft
0	None
1	Std. Shaft

Character	Feedback
X	None
H	400 CPR
K	1000 CPR

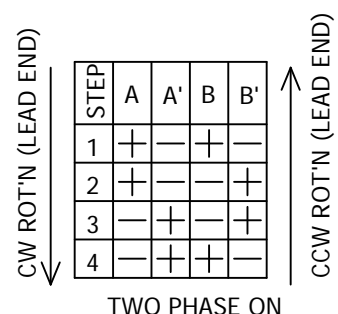
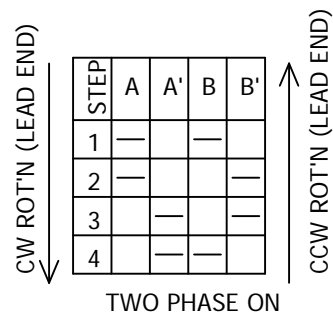


UNIPOLAR, V	
6 LEAD CONNECTOR PINOUT CHART	
PIN NO.	LEAD COLOR
1	RED
2	BLACK
3	WHT/RED
4	GREEN
5	WHITE
6	WHT/GRN

BIPOLAR, A	
4 LEAD CONNECTOR PINOUT CHART	
PIN NO.	LEAD COLOR
1	RED
2	WHT/RED
3	GREEN
4	WHT/GRN



METRIC - MM



NOTES:

- MAX LOAD AT 20.0mm FROM X-SURFACE TO BE 26.7N RADIAL AND 44.5N THRUST.
- BLACK ELECTROPHORETIC COATING, STATOR CORE ONLY.
- NAMEPLATE INFORMATION TO INCLUDE: ELECTROCRRAFT TRADEMARK LOGOS, MOTOR PART NUMBER, AMPS, VOLTS, DATE CODE AND COUNTRY OF ORIGIN.

02	CN13-085 14-000397	REVISED MOTOR SPECS, UPDATE ENCODER CHART, ADDED GEOMETRIC TOLERANCES, ADD CONNECTOR CHARTS AND ADDED NOTE 3 FOR NAMEPLATE INFO.	5/6/2013	MB	
01	CN12-053	ISSUE	10/25/2012	MB	
REV	ECO NO.	DESCRIPTION OF CHANGE	DATE	APRV BY	
REVISION HISTORY					
THIS DRAWING AND OR SPECIFICATION IS THE PROPERTY OF ELECTROCRRAFT INC. AND IT'S SUBSIDIARIES AND IS ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED AS THE BASIS FOR THE MANUFACTURE OR RESALE OF APPARATUS WITHOUT PRIOR WRITTEN PERMISSION		UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING DIMENSION UNITS: INCHES [mm] BREAK ALL EDGES: .015 [0.38] FILLET & RADII: .015 [0.38] DEFAULT TOLERANCES .XX DECIMAL: ±.01 [0.25] .XXX DECIMAL: ±.005 [0.13] ALL ANGLES: ±1°	MATERIAL - FINISH - SEE NOTE 2 CUSTOMER - CUSTOMER P/N - REV -	THIRD ANGLE PROJECTION	
REFERENCE DRAWING -		ROHS YES	SHEET 1 OF 1	DWG NO.	
STEPPER OUTLINE				TPE17M-SERIES	