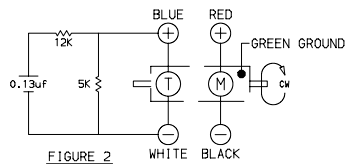


**NOTE:**

△ NAMEPLATE TO READ LEFT TO RIGHT FROM REAR OF MOTOR.

MOTOR SPECIFICATIONS ARE AT 25°C UNLESS OTHERWISE NOTED

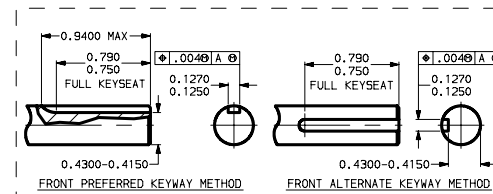
1. MOTOR Kt: 16.8 ± 10% OZ-IN/A.
2. MOTOR Ke: 11.2-13.7 V/KRPM WITHIN 150 mV CW TO CCW.
3. MOTOR TERMINAL RESISTANCE: 0.40-0.54 OHMS AT 4 A.
4. MAXIMUM TERMINAL VOLTAGE: 60 V.
5. MAXIMUM CONTINUOUS SPEED: 4800 RPM (NO LOAD).
6. MAXIMUM PEAK TORQUE: 720 OZ-IN.
7. MAXIMUM PEAK CURRENT: 47 A.
8. MAXIMUM CONTINUOUS STALL TORQUE: 155 OZ-IN.
9. MAXIMUM CONTINUOUS CURRENT: 10.2 A.
10. ELECTRICAL TIME CONSTANT: 1.5 mSEC.
11. MECHANICAL TIME CONSTANT: 4.2 mSEC.
12. MOTOR INDUCTANCE: 0.7 mH.
13. MOTOR INERTIA: 0.030 OZ-IN-SEC<sup>2</sup>.
14. STATIC FRICTION TORQUE: 8.0 OZ-IN MAX.
15. ROTATIONAL LOSSES: 2.5 OZ-IN/KRPM.
16. NO LOAD CURRENT AT 40 V: 1.25 A MAX.
17. MAXIMUM WINDING TEMP 155°C.
18. THERMAL RESISTANCE ARMATURE TO AMBIENT: 2.2°C/W, MOUNTED ON A: 10 IN. X 10 IN. X 0.25 IN. HEATSINK.
19. THERMAL STABILITY OF MOTOR TORQUE CONSTANT: -0.2%/°C.
20. DIELECTRIC BREAKDOWN OF MOTOR ARMATURE TO GROUND: 600 V AT 60 Hz FOR 1 SECOND.
21. SHAFT END PLAY (SEE FIGURE 1): 0.010 IN. MAX IN DIRECTION "A" WITH A 10 LB LOAD. 0.001 IN. MAX IN DIRECTION "B" WITH A 10 LB LOAD.
22. TACH Ke: 12.6-15.4 V/KRPM WITHIN 150 mV CW TO CCW.
23. TACH RESISTANCE: 85-115 OHMS.
24. TACH RIPPLE (SEE FIGURE 2), 2 % PEAK TO PEAK AT 500 RPM WITH LOAD MOMENT OF INERTIA.
25. MOTOR AND TACH WEIGHT: 10 LBS.



\* DETERMINED WHEN NAMEPLATE IS PRINTED.  
 \*\* DENOTES REVISION LEVEL OF ASSEMBLY.

<b>ElectroCraft</b>		MODEL NO.	REVISION
www.electrocraft.com		G6431-ANF	**
750 McCormick Road		PART NO.	
SOLLERSVILLE, NC 28788, U.S.A.		0643-33-004	
SERIAL NO.	DATE CODE	CUSTOMER PART NO.	
*	*		

NAMEPLATE DETAIL




(A THRU P SEE MICROFILM)

-	-	-
-	-	-
-	-	-
18	1025849	6-13-0
17	1017021	8-5-05
16	1016640	7-21-05
REV	ECN No.	DATE

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED	DWN BY	DATE	SCALE	TYPE	CONFIDENTIAL INFORMATION OF ELECTROCRAFT TECHNOLOGIES CALLEPSVILLE, OHIO 45631
	RB	3-30-83	1:1	DC	
UNTOLERANCED DIMENSIONS REFERENCE	CHK BY	DATE	DWG. SIZE	SERIES	
	MK	4-14-83	D	643	
← [INCHES] →		CUSTOMER DISTRIBUTION		<b>OUTLINE</b> DWG. No. <b>ES0643-33-004</b>	
THIRD ANGLE PROJECTION		CUSTOMER PART NO. & REVISION			

25	-	-	-	-
24	-	-	-	-
23	-	-	-	-
22	-	-	-	-
21	-	-	-	-
20	-	-	-	-
19	-	-	-	-
18	1025849	REVISED NO-LOAD FROM 1.10 TO 1.25	6-13-08	RC
17	1017021	REVISED MODEL NO.	8-5-05	RC
16	1016640	REVISED MODEL NO.	7-29-05	RC
P	62270	REVISED N\P FORMAT, NEW LOGOS.	11-20-03	RC
N	60279	WAS: (5) 25.00±1.00, IS: (5) 24 MIN	1-28-00	GSW
REV	ECN No.	DESCRIPTION OF CHANGE	DATE	APPR.

CUSTOMER:	DISTRIBUTION	EC PART No.	ES0643-33-004
CUSTOMER PART No.	N/A	EC PART NAME:	OUTLINE
CUSTOMER REVISION LEVEL:	N/A	ELECTROCRAFT INCORPORATED 250 McCORMICK ROAD GALLIPOLIS, OHIO 45631-8597	
THIS REVISION SHEET IS TO ACCOMPANY ALL OUTLINE CHANGES		FORM NO. ENG004 REV: 02/21/03	