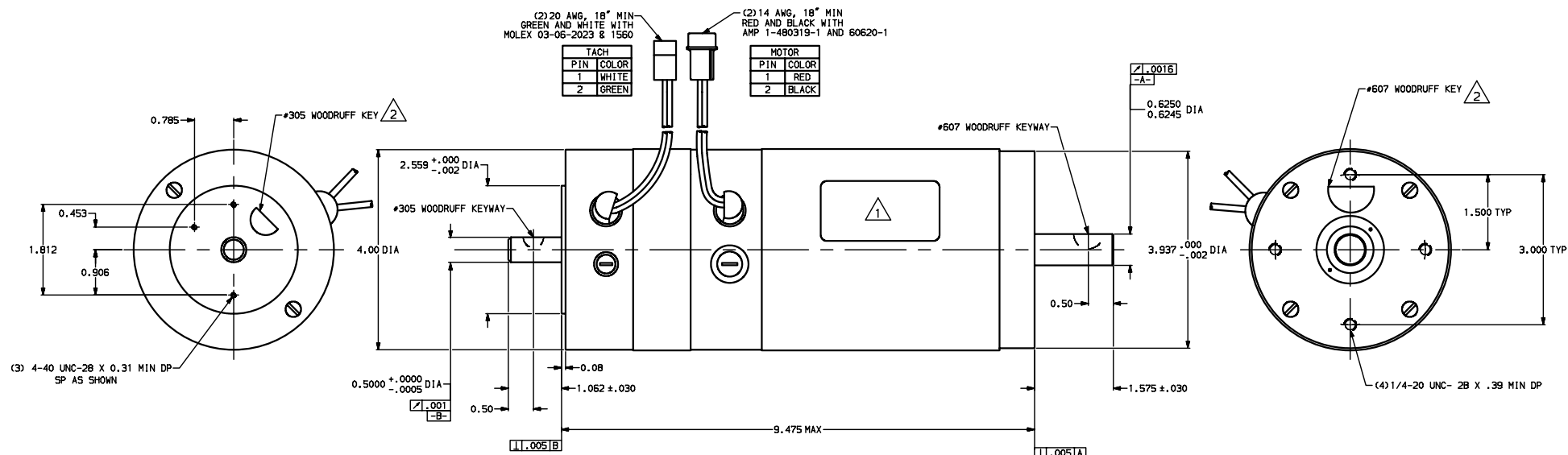


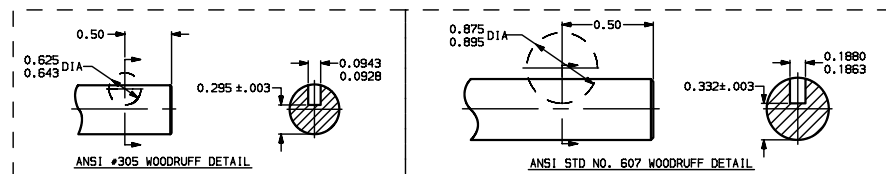


NOTE:

- $\triangle 1$ NAMEPLATE TO BE CENTERED ON HOUSING AND IN LINE WITH THE STRAIN RELIEFS. TO READ LEFT TO RIGHT FROM REAR OF MOTOR.
- $\triangle 2$ KEYS TO BE TAPED ONTO THE ENDS OF THE MOTOR.

MOTOR SPECIFICATIONS ARE AT 25°C UNLESS OTHERWISE NOTED

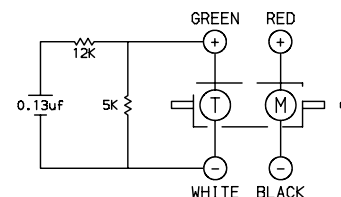
1. MOTOR Kt: 44.62-53.53 OZ-IN/A.
2. MOTOR Ke: 33.0-39.6 V/KRPM WITHIN 400 mV CW TO CCW.
3. MOTOR TERMINAL RESISTANCE: 0.73-1.00 OHMS AT 4 A.
4. MAXIMUM TERMINAL VOLTAGE: 45 V.
5. MAXIMUM CONTINUOUS SPEED: 1400 RPM (NO LOAD).
6. MAXIMUM PEAK TORQUE: 2000 OZ-IN.
7. MAXIMUM PEAK CURRENT: 45 A.
8. MAXIMUM CONTINUOUS STALL TORQUE: 427 OZ-IN.
9. MAXIMUM CONTINUOUS CURRENT: 9.6 A.
10. ELECTRICAL TIME CONSTANT: 5.35 mSEC.
11. MECHANICAL TIME CONSTANT: 10.04 mSEC.
12. MOTOR INDUCTANCE: 4.6 mH.
13. MOTOR INERTIA: 0.200 OZ-IN-SEC².
14. STATIC FRICTION TORQUE: 15 OZ-IN MAX.
15. ROTATIONAL LOSSES: 20.0 OZ-IN/KRPM.
16. NO LOAD CURRENT AT 45 V: 0.70 A MAX.
17. MAXIMUM WINDING TEMP 155°C.
18. THERMAL RESISTANCE ARMATURE TO AMBIENT: 1.3°C/W, MOUNTED ON A: 12 IN. X 12 IN. X 0.50 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: 0.004 IN. MAX WHEN CHECKED WITH A 50 LB REVERSING LOAD.
22. TACH Ke: 2.7-3.3 V/KRPM WITHIN 100 mV CW TO CCW.
23. TACH RESISTANCE: 450-650 OHMS.
24. TACH RIPPLE (SEE FIGURE 2): 75mV PEAK TO PEAK AT 500 RPM WITH LOAD MOMENT OF INERTIA.
25. MOTOR AND TACH WEIGHT: 13.5 LBS.



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

ElectroCraft equipment solutions		MODEL NO. E703	REVISION M M
www.electrocraft.com 250 McHenry Road Bellingham, WA 98201 U.S.A.		PART NO. 0703-02-089	
SERIAL NO. *	DATE CODE *	CUSTOMER PART NO. 401-4003-003	

NAMEPLATE DETAIL



CONNECTION DIAGRAM

UNLESS OTHERWISE SPECIFIED				DWN BY JB	DATE 8-24-83	FRM/PGD 703	REVISION No. 1	DATE
DO NOT SCALE DRAWING				CHK BY MK	DATE 8-24-82	SCALE NTS	OPERATIONAL OPERATOR'S #	
DIMENSIONS ARE IN INCHES				APRV BY RJ	DATE 8-24-83	QTY. -	REVISIONS REVISIONS, SEE 400	
BREAK ALL EDGES .015 R				CUSTOMER HURCO		DWS No.	ES0703-02-089	
FILLETS & RADI .015 R								
TOLERANCES ON:								
FRACTIONS: $\pm 1/64$ "								
DECIMALS: .XXX, .01 / .XXX, .005								
ANGLES: $\pm 1^\circ$								

REV	ECN No.	DATE
08	1019791	5-17-06

ElectroCraft equipment solutions	
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OUTLINE

12	-	-	-	-
11	-	-	-	-
10	-	-	-	-
09	-	-	-	-
08	1019791	REDRAWN IN CAD. REVISED PERP.	-	-
G	61588	REVISED NAMEPLATE	5-2-02	RC
F	54311	ADDED NAMEPLATE, PICTORIALY ADDED CONNECTORS, ADDED PINOUT	2-07-96	RC
E	-	-	-	-
D	-	-	-	-
C	-	-	-	-
B	-	-	-	-
A	-	-	-	-
REV	ECN No.	DESCRIPTION OF CHANGE	DATE	APPR.

CUSTOMER:	HURCO	ECES PART No.	ES0703-02-089
CUSTOMER PART No.	401-4003-003	ECES PART NAME:	OUTLINE
CUSTOMER REVISION LEVEL:	N/A	ELECTROCRAFT, INC. 250 McCORMICK ROAD GALLIPOLIS, OHIO 45631-8597	
THIS REVISION SHEET IS TO ACCOMPANY ALL OUTLINE CHANGES		FORM NO. ENG004 REV: 02/21/03	