

# PRODUCT INFORMATION PACKET



Model No: 970.601C  
Catalog No: 970.601  
..1/8HP..3000RPM.56D.IP44.24V...S1.40C.1,0SF.B14.970.601C.....COMMERCIAL DUTY.....  
Metric Motors



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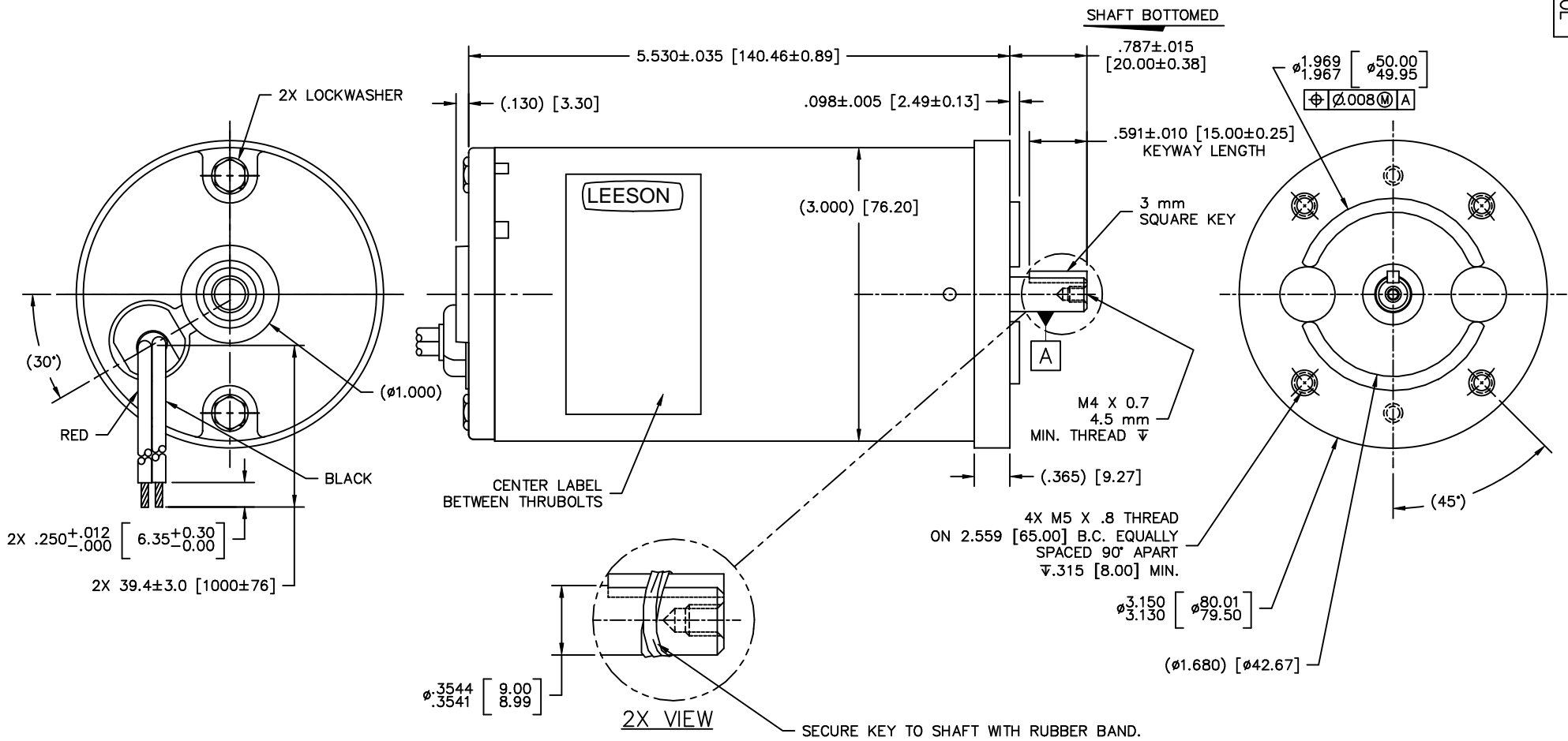
### Nameplate Specifications

Output KW	0.10 kW	Voltage	24 V
Current	5.3 A	Speed	3000 rpm
Service Factor	1	Efficiency	72.8 %
Duty	S1	Insulation Class	A
Frame	56D	Enclosure	IP44
Overload Protector	No	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N		

### Technical Specifications

Rotation	Reversible	Mounting	B14
Overall Length	5.53 in	Frame Length	4.91 in
Shaft Diameter	0.375 in	Shaft Extension	0.787 in
Outline Drawing	970601OL	Connection Diagram	970601FI

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**NOTES:**

1. ROTATION: RED POSITIVE CCWSE; REVERSIBLE
2. LEADS: 14 AWG
3. END PLAY: .005-.030
4. HIPOT: 1250 VAC FOR ONE SECOND, BOTH LEADS TO CASE
5. VOLTAGE: 24 VDC
6. INSULATION: CLASS A 105°C
7. BEARING SYSTEM: SLEEVE BOTH ENDS
8. LOAD POINT: 45 ozin @ 2600-2950 RPM

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION	
				DECIMALS		TRU-TORQ DIVISION 201 N. MISSOURI AVE. SEDALIA, MO 65301 U.S.A.	
002	DELETED "KELVIN"	1297	JMU	08.30.00		ELECTRIC MOTORS, GEARMOTORS AND DRIVES	
001	UPDATED DRAWING TO SHOW FRONT CASTING	1013	AD	6/29/00		TITLE	
B	REVISE LABEL & LEAD LENGTH; ADD KEY; REV. NOTE 8.	8975	WM	5/11/99	.000	±.005	CH'K'D.
A	RELEASE	8821	DCR	12/2/98	.0000	±.0005	APPR.
REV	DISCRIPTION	ECRN	BY	DATE	FRACTIONAL	±1/64	SCALE 1 : 1
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED					ANGLES	±1/2"	P/C
					INCH/MM		M/F
						REF: SI 2990-24	SIZE B
						DRAWING NO. 970.6010L	

1. HIPOT @ 1250 VOLTS FOR ONE SECOND, BOTH LEADS TO CASE
2. RED LEAD POS (+)
- BLACK LEAD NEG (-)
3. RUN IN @ 24 VDC, .65 MAX AMPS, NO LOAD
4. TORQUE THRU BOLTS TO 25-30 IN. LBS.


CCWSE

## CHECK TO OUTLINE DRAWING

- A. SHAFT EXTENSION
- B. LEAD LENGTH
- C. END PLAY
- D. SHAFT ROTATION
- E. LABEL POSITION
- F. LEAD STRIP LENGTH
- G. ALL HOLES TAPPED PER OUTLINE DRAWING

## PERFORMANCE DATA

<u>TORQUE</u>	<u>SPEED</u>	<u>MAX AMPS</u>
20 ozin	2750-3100	2.7
45 ozin	2600-2950	5.3
70 ozin	2500-2800	8.0

			TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DCR 11/24/98	
			DEC.	INCHES		CHK	
			.X	±.1		APPD	
01	DELETED "KELVIN"	JMU 8/30/00	.XX	±.01	TITLE	FINAL INSPECTION	SCALE 1=1
B	CORRECT DRAWING DATA, UPDATED TO NEW FORMAT	AY 1/25/99	.XXX	±.005		30 FRAME DC	REF
A	RELEASED	DCR 12/2/98	.XXXX	±.0005	MAT'L.		FMF 970.601
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV
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			DIST				REV. 01