

PRODUCT INFORMATION PACKET



Model No: 970.576C
Catalog No: 970.576
1/8HP.3000RPM.56D.IP44.90V.S1.40C.1,0SF.B14.COMMERCIAL.970.576C
Metric Motors



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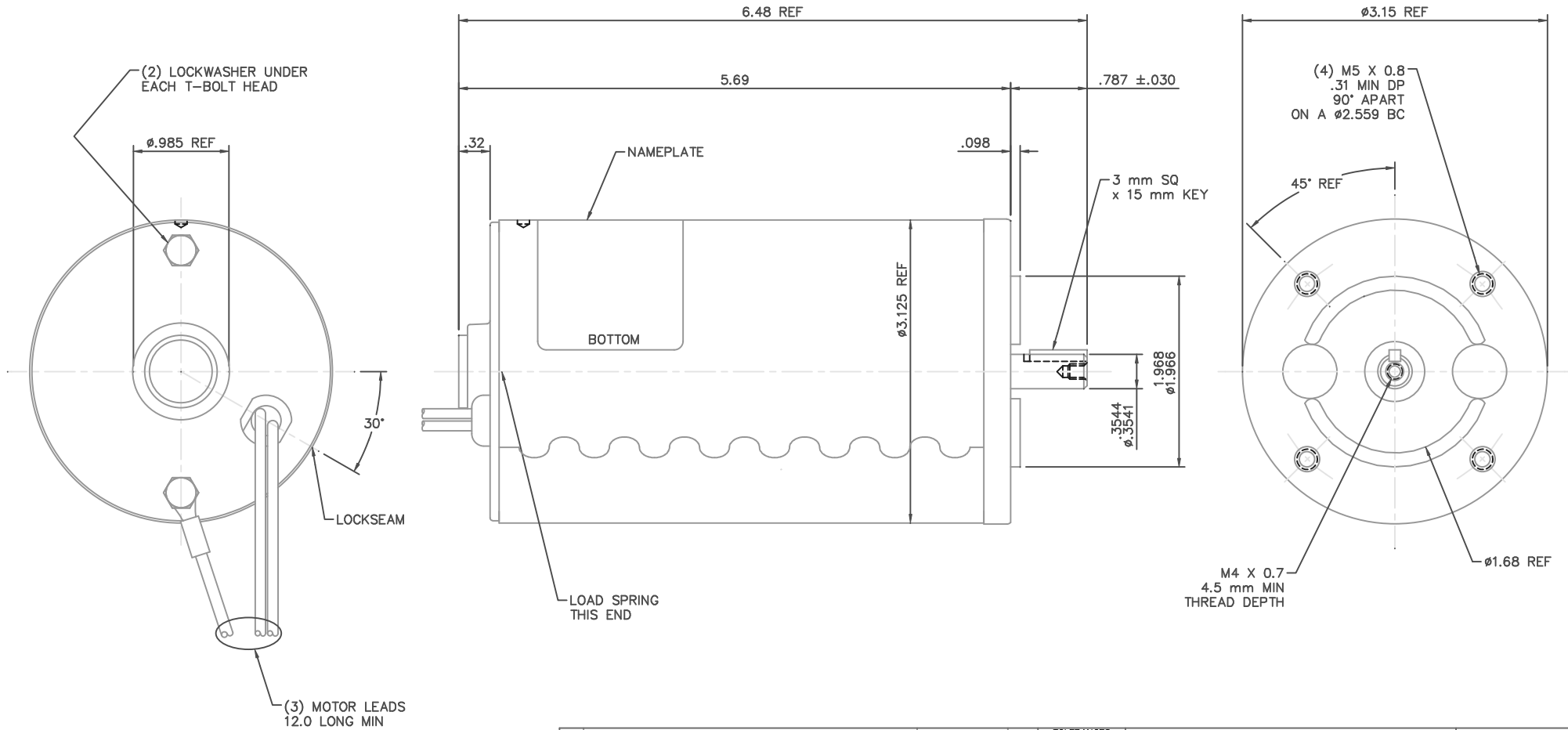
Nameplate Specifications

Output KW	0.10 kW	Voltage	90 V
Current	1.2 A	Speed	3000 rpm
Service Factor	1	Efficiency	90.2 %
Duty	S1	Insulation Class	F
Frame	56D	Enclosure	IP44
Overload Protector	No	Ambient Temperature	40 °C
Drive End Bearing Size	R6	UL	Recognized
CSA	N	CE	Y

Technical Specifications

Rotation	Reversible	Mounting	B14
Overall Length	6.48 in	Frame Length	5.00 in
Shaft Diameter	0.375 in	Shaft Extension	0.787 in
Outline Drawing	970576OL	Connection Diagram	970576FI

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			TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN IPG 8/12/05	
			DEC.	INCHES			CHK	SAD 8/12/05
01	LENGTHEN FRAME BY .08, MOTOR OVERALL LENGTH 6.48	IPG 11/5/07	SAD	.X	±.1	TITLE 31 FRAME DC - B14 C-FACE	APPD	
	WAS 6.40, ADDED EXTRA WASHER UNDER T-BOLT HEAD,			.XX	±.03		SCALE	1=1
	ECN 07-3895			.XXX	±.005		REF	PR050149
00	RELEASED: SAME AS PR050149	IPG 8/12/05	SAD	.XXXX	±.0005	MAT'L	FMF	970.576
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV	
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							B	970.5760L
								REV. 01

- 1) HIPOT @ 1250 VOLTS FOR ONE SECOND, BOTH LEADS TO CASE
- 2) ROTATION: CCWLE WITH RED LEAD POSITIVE
- 3) RUN IN @ 90VAC FWR, 0.13 A. MAX, NO LOAD
- 4) TORQUE THRU-BOLTS TO 25-30 IN. LBS


PERFORMANCE SPECIFICATIONS

90VDC (TCR)

TORQUE (OZ.IN)	SPEED (RPM)	MAX AMPS
0	2760-3180	0.7
45	2590-2980	1.3
90	2410-2780	2.5

CHECKS TO OUTLINE DRAWING

- A) SHAFT EXTENSION
- B) LEAD LENGTH
- C) END PLAY: .005-.030

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				DEC.	INCHES		CHK SAD 8/11/05		
				.X	±.1		APPD		
				.XX	±.01		SCALE 1=1		
				.XXX	±.005		REF 970.577FI		
00	RELEASED: REF. 970.577FI	IPG 8/11/05	SAD	.XXXX	±.0005	MAT'L.		FMF 970.576	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV	
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