

# 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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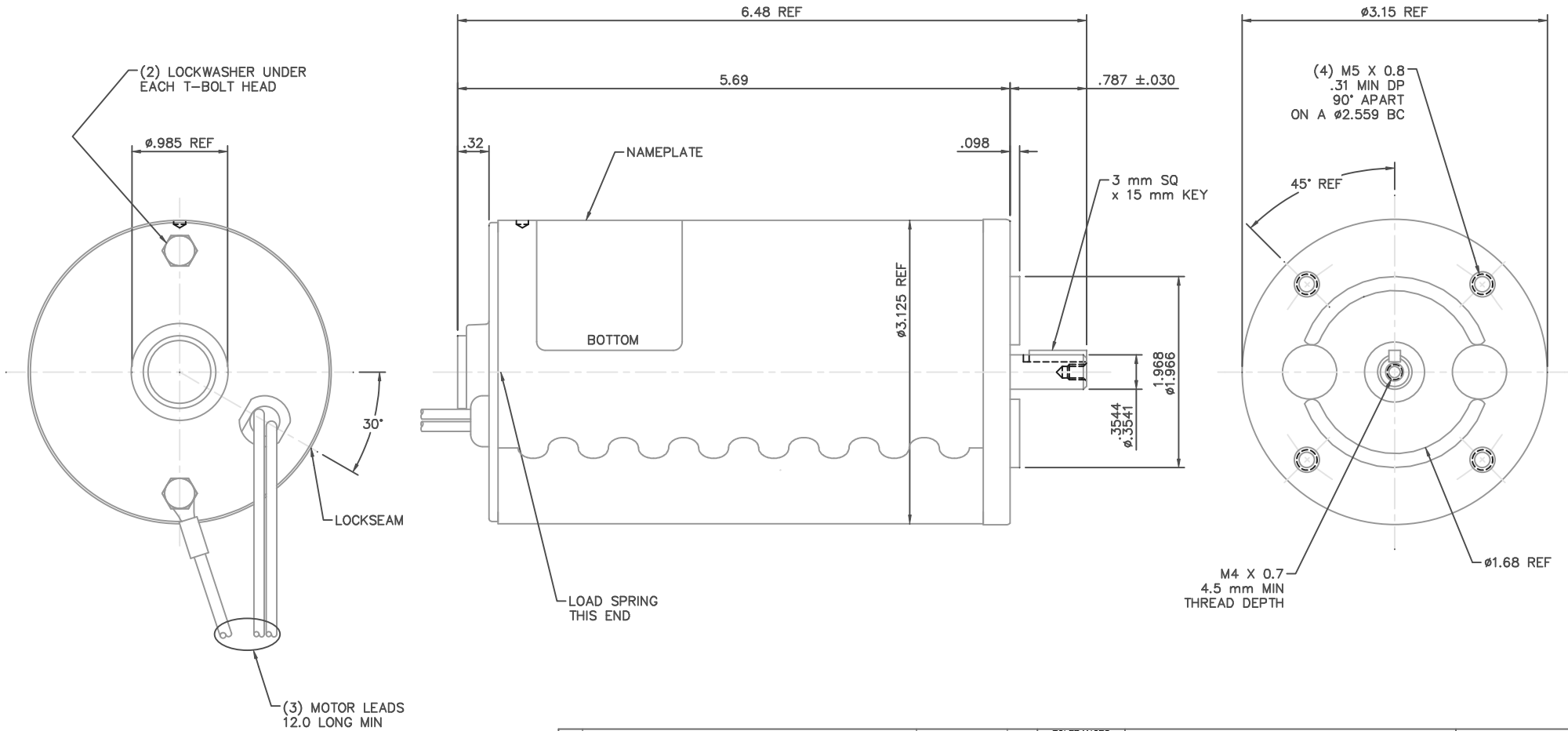
### Nameplate Specifications

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		
			DEC.	INCHES			IPG 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	CHK		
	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		
NO.	REVISION	BY & DATE	CHK	ANG ±1/2'	FINISH		PREV		
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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		CAD FILE	9705760L	SIZE	DRAWING NO.	REV.
			DIST				B	970.5760L	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

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN IPG 8/11/05		
				DEC.	INCHES		CHK SAD 8/11/05		
				.X	±.1		APPD		
				.XX	±.01		TITLE	SCALE 1=1	
				.XXX	±.005	FINAL INSPECTION 31 FRAME DC		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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