

PRODUCT INFORMATION PACKET



Model No: M1130055.00
Catalog No: M1130055.00
Sub-Fractional Motor, 0.25 HP, 90 V, 1750 RPM, 34 Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





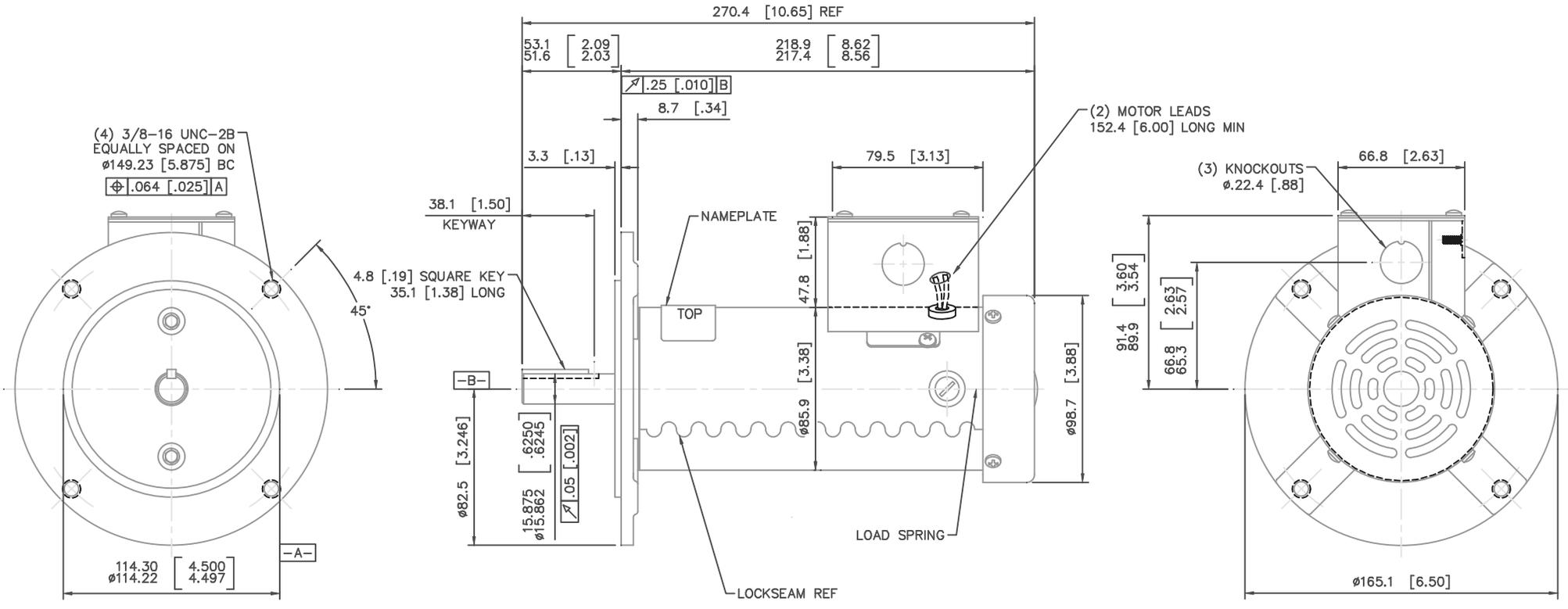
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	81.5 %	Ambient Temperature	40 °C
Current	2.7 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6003
Opp Drive End Bearing Size	6201-13	UL	Recognized
CSA	Y	CE	Y

Technical Specifications

Rotation	Reversible	Mounting	Round
Overall Length	10.65 in	Frame Length	7.18 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	9 LB-IN		
Outline Drawing	M1030132-M1130055	Connection Drawing	M100508401

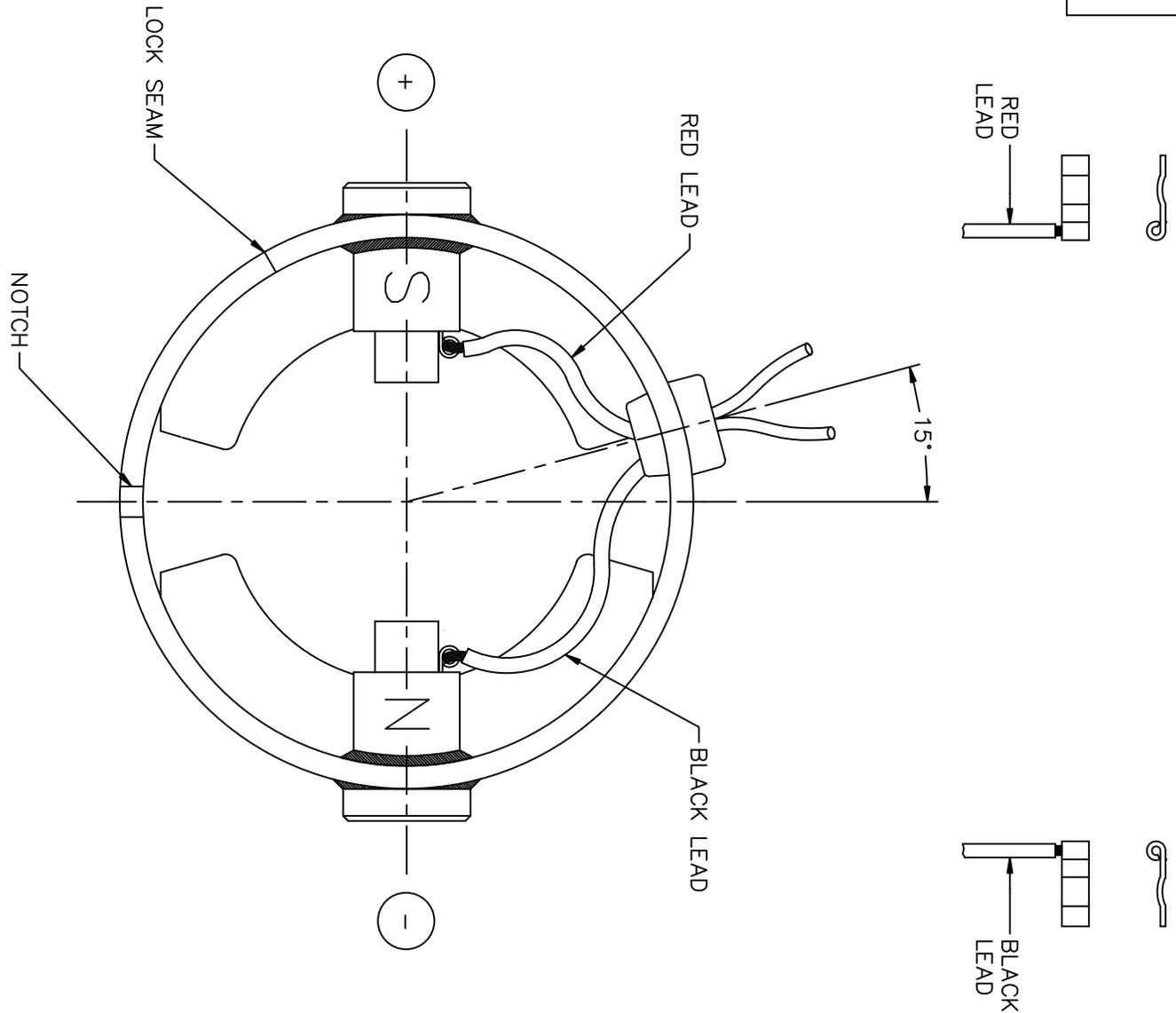
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:04/08/2025



CATALOG NO.	VOLTS	HP	RPM
M1130055.00	90	1/4	1750
M1130120.00	180	1/4	1750

REVISION				BY & DATE	CH'K'D.	TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION		
10	CHNGD KNOCKOUTS FROM "2" TO "3", ECR 84283	VS	8/17/05	BC		DEC.	INCHES	METRIC	DRAWN	SPV 10/2/95	TITLE
09	CORRECTED GEOMETRIC TOLERANCING	SAD	5/29/01	IPG		.XX	±.1	±.25	APPR.		OUTLINE
08	CORRECTED SHAFT RUNOUT ECR 73437 AND	SAD	5/29/01	IPG		.XX	±.03	±.76			34 FRAME DC
	REDRAWN TO CURRENT STANDARDS					.XXX	±.005	±.127	R.F.P.		MAT'L.
07	REVISED WITH NEW FAN & FAN GUARD	SPV	2/10/97	DWF		.XXXX	±.0005	±.0127	SCALE	1=2	
06	ADDED METRIC DIMENSIONS	SPV	11/27/96	DWF							
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.						FRACTIONS	±1/64	REF.	M1030138.00	FINISH	STANDARD
						ANGLES	±1/2°	REF.	CM34D17FC2	REV.	10
										DRAWING NO.	M1030132.00

DC MOTORS



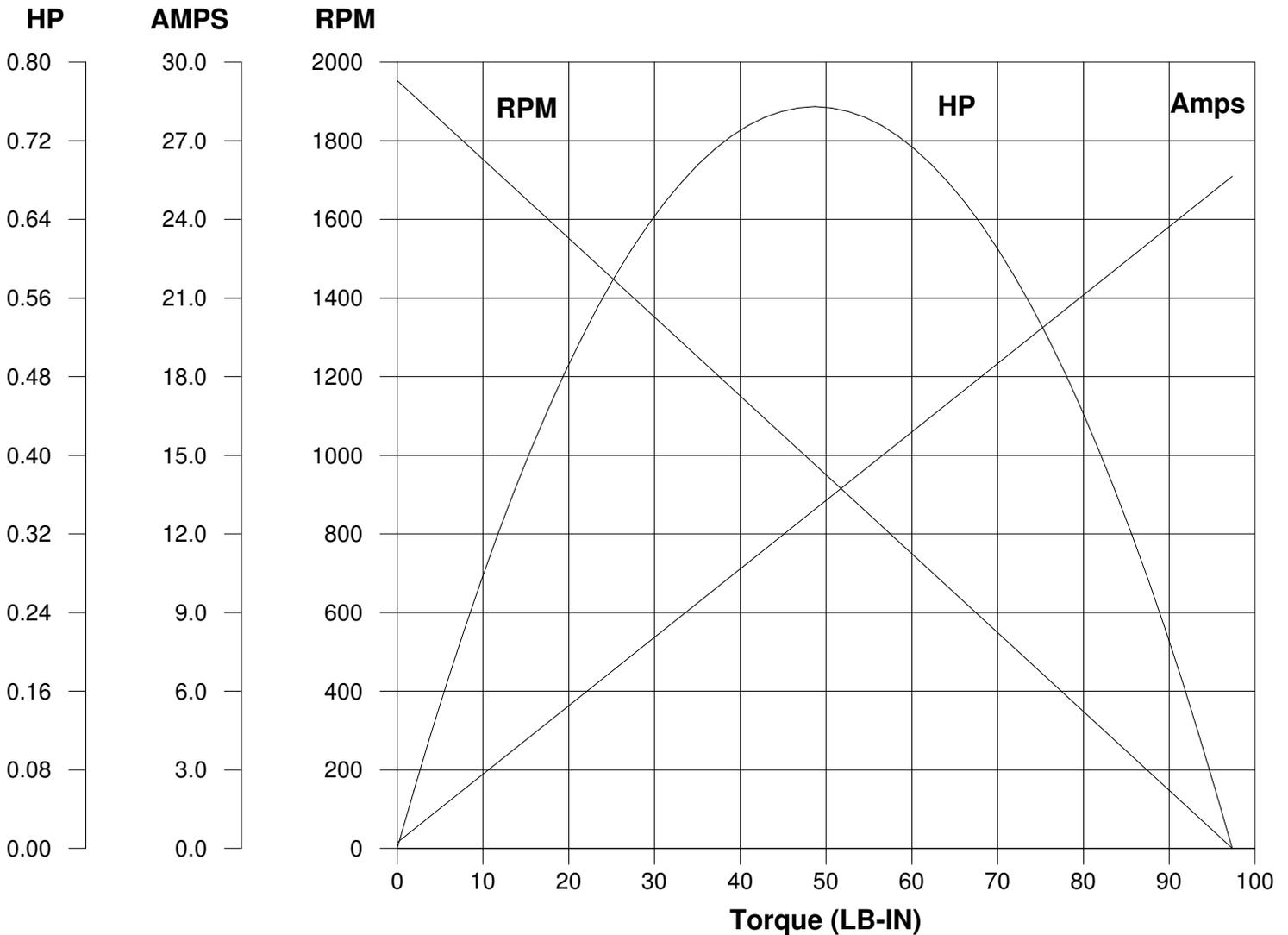
EXTERNAL CONNECTIONS FOR CCW ROTATION VIEWING
 LEAD END OF MOTOR WITH RED LEAD POSITIVE (+)
 AND BLACK LEAD NEGATIVE (-) FOR CW ROTATION
 POLARITY

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 10/30/89
				DEC.	INCHES		CHK
				.X	±.1		APPD PW 10/31/89
03	REMOVED BARRIERS, NOT NEEDED, ISAAC 10-1959	IPG 5/14/2010	SK	.XX	±.01	TITLE CONNECTION DIAGRAM	SCALE 1=1
02	CORRECTED "N" & "S" PER ECR 83508	SMB 12/16/03	IPG	.XXX	±.005		REF 15008-01-117
01	REDRAWN ON CAD	AJR 06/30/99		.XXXX	±.0005	MAT'L.	FMF CM31D17NZ1
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	M100508401	SIZE DRAWING NO.
				DIST			A

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CM34D17FC2</u>	Catalog No. <u>M1130055.00</u>	
HP <u>0.250</u>	RPM <u>1750</u>	DC Volts <u>90.0</u>
F.F. <u>1.38</u>	Encl <u>TEFC</u>	Type <u>DF</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Frame <u>34</u>
		N.P. FLA <u>2.70</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



Ra 3.1500 Ohms
La 15.80 mHenrys
Ja 0.6440 LB-IN²
Ke 45.58 V/KRPM

Kt 3.853 LB-IN/AMP
Imax 30.4 AMPS Allowed
FL Torque 9.000 LB-IN
FL EFF 81.50 %

Winding W- MD34271-1 **Prepared by** V. Boehlen **Date** 05-09-2005