

PRODUCT INFORMATION PACKET



Model No: M1130120.00
Catalog No: M1130120.00
Sub-Fractional Motor, 0.25 HP, 180 V, 1750 RPM, 34 Frame, TEFC



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Nameplate Specifications

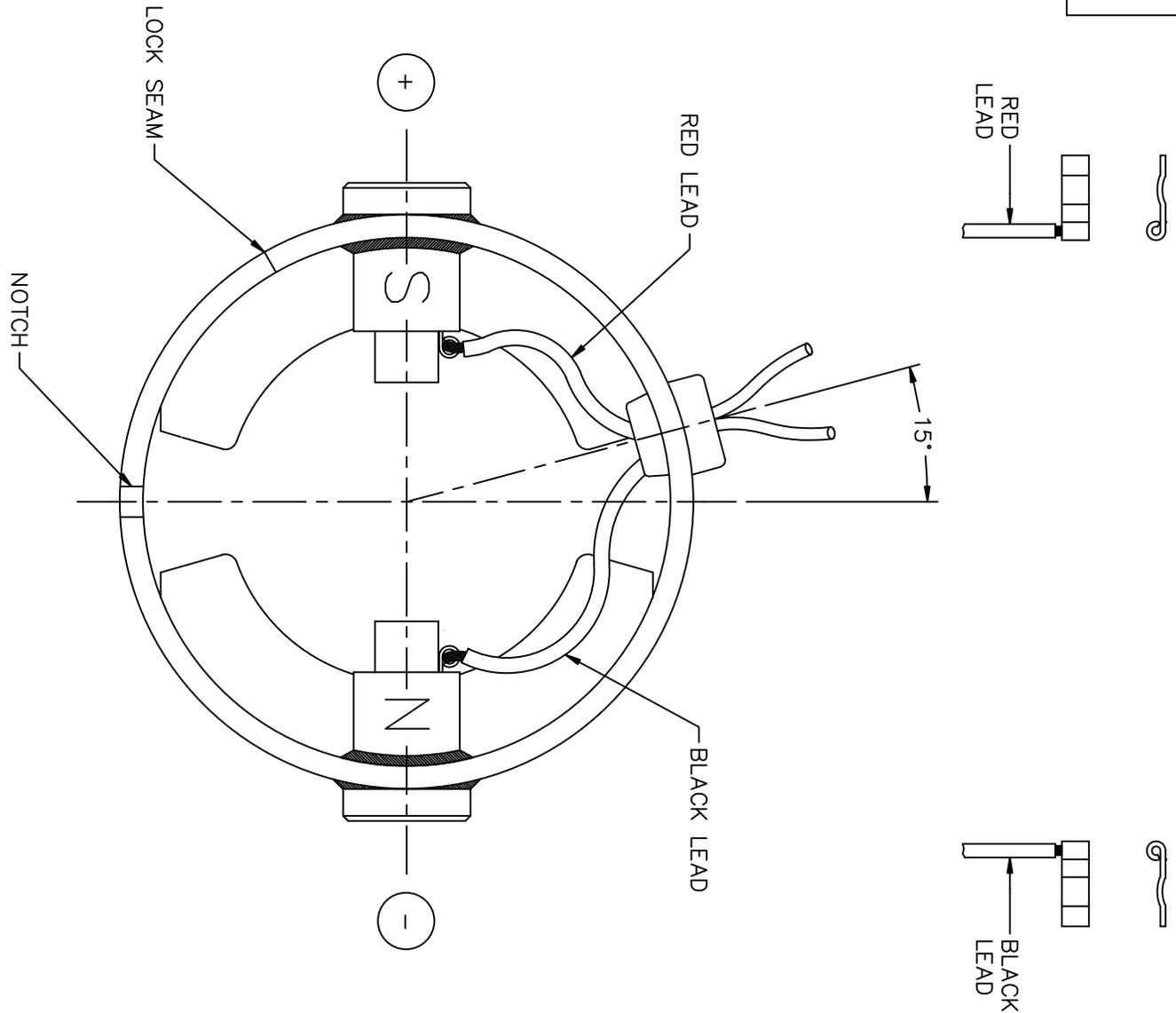
Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	77.2 %	Ambient Temperature	40 °C
Current	1.3 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6003
Opp Drive End Bearing 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		
Connection Drawing	M100508401	Outline Drawing	M1030132-M1130120

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DC MOTORS



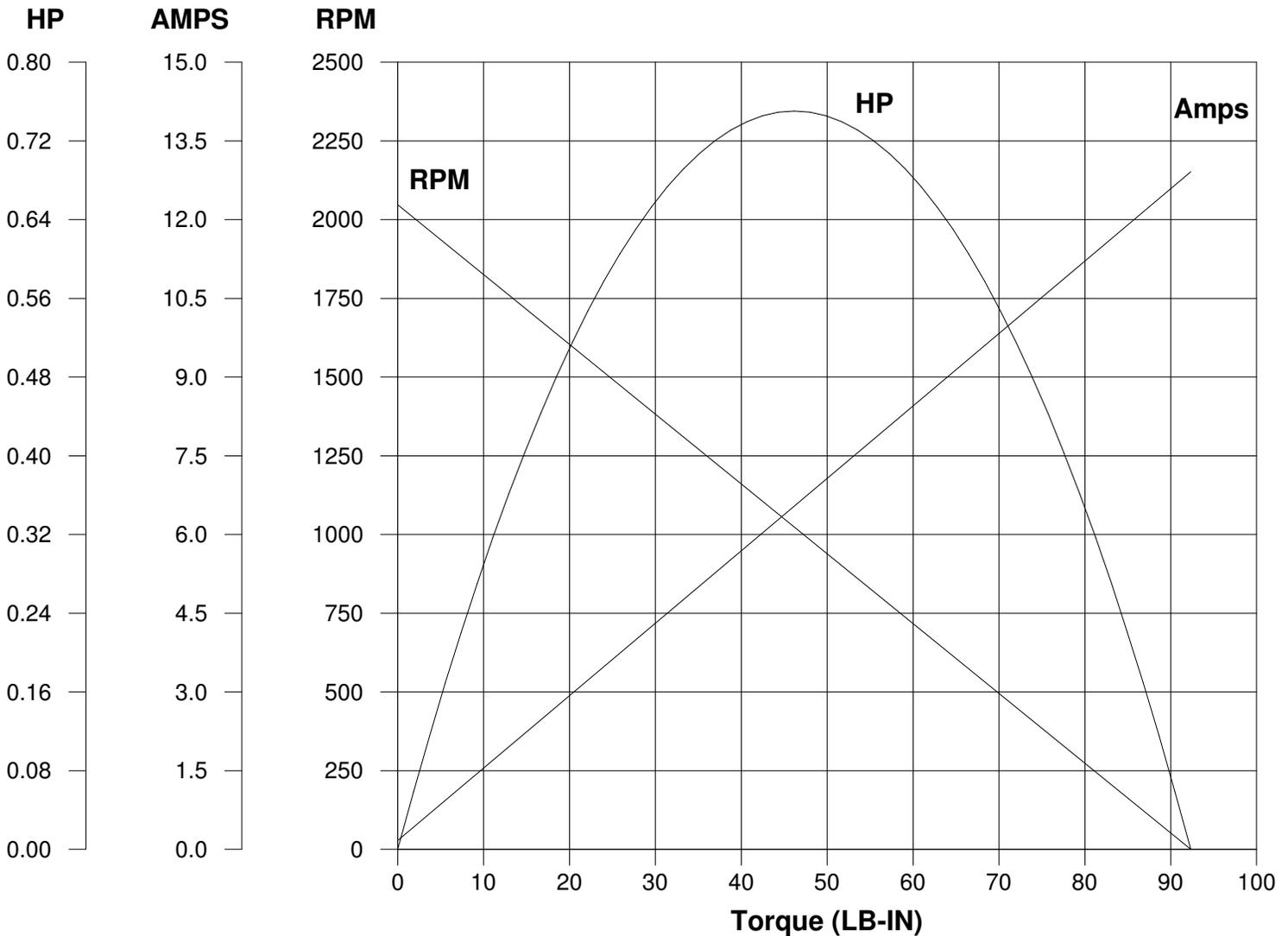
EXTERNAL CONNECTIONS FOR CCW ROTATION VIEWING
LEAD END OF MOTOR WITH RED LEAD POSITIVE (+)
AND BLACK LEAD NEGATIVE (-) FOR CW ROTATION
POLARITY

				TOLERANCES UNLESS SPECIFIED			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.	REV.
				DIST			A	M1005084.01	03

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CM34D17FC4</u>	Catalog No. <u>M1130120.00</u>	
HP <u>0.250</u>	RPM <u>1725</u>	DC Volts <u>180.0</u>
F.F. <u>1.38</u>	Encl <u>TENV</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>1.30</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra 12.700 Ohms
La 56.00 mHenrys
Ja 0.6440 LB-IN²
Ke 87.39 V/KRPM

Kt 7.387 LB-IN/AMP
Imax 16.2 AMPS Allowed
FL Torque 9.000 LB-IN
FL EFF 77.20 %

Winding W- MD342103-1 **Prepared by** V. Boehlen **Date** 05-09-2005