

# PRODUCT INFORMATION PACKET



Model No: M1130118.00  
Catalog No: M1130118.00  
0.13 HP Sub-Fractional Motor, 1750 RPM, 180 V, 34 Frame, TENV  
Sub-Fractional Motors



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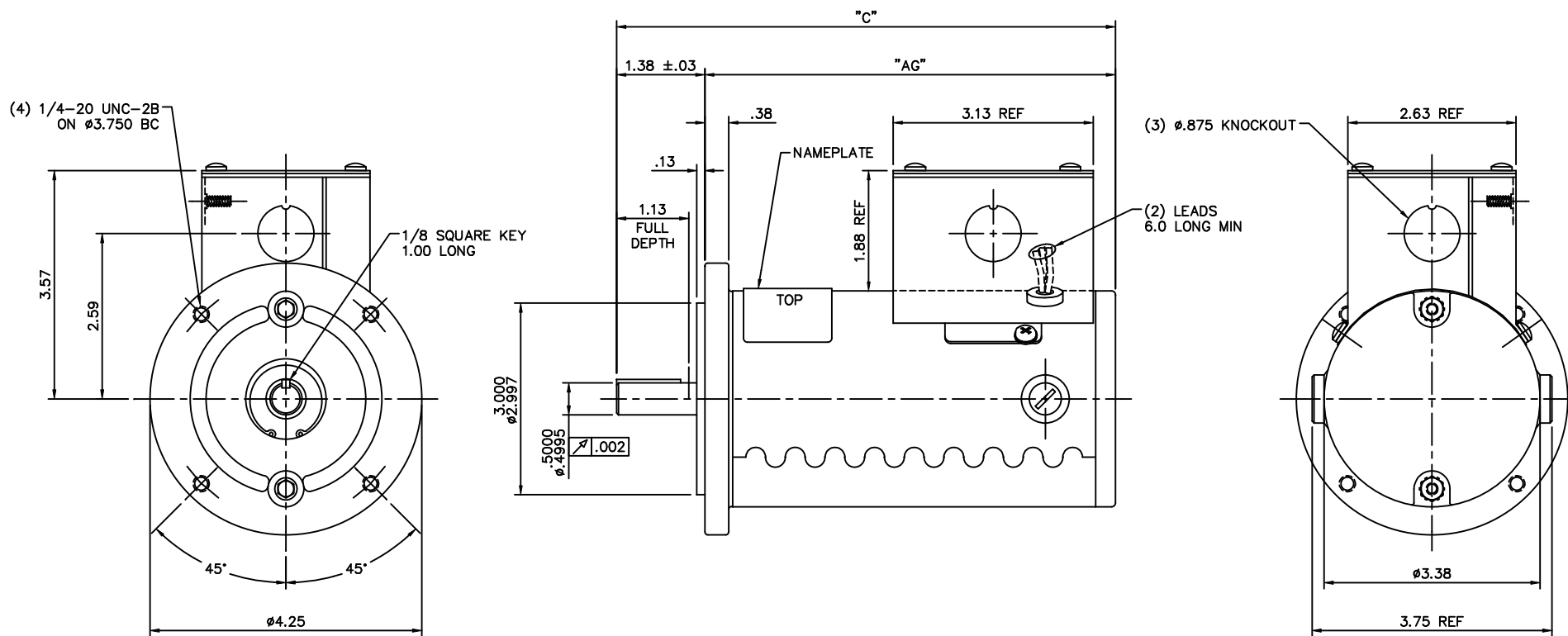
**Nameplate Specifications**

Output HP	0.13 Hp	Output KW	0.10 kW
Voltage	180 V	Current	0.70 A
Speed	1750 rpm	Service Factor	1
Efficiency	75.7 %	Duty	Continuous
Insulation Class	F	Frame	34
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No
Ambient Temperature	40 °C	Drive End Bearing Size	6201-13
Opp Drive End Bearing Size	608	UL	Recognized
CSA	Y	CE	Y

**Technical Specifications**

Rotation	Reversible	Mounting	Round
Overall Length	7.81 in	Frame Length	5.68 in
Shaft Diameter	0.500 in	Shaft Extension	1.38 in
Outline Drawing	M1030130-M1130118	Connection Drawing	M100508401

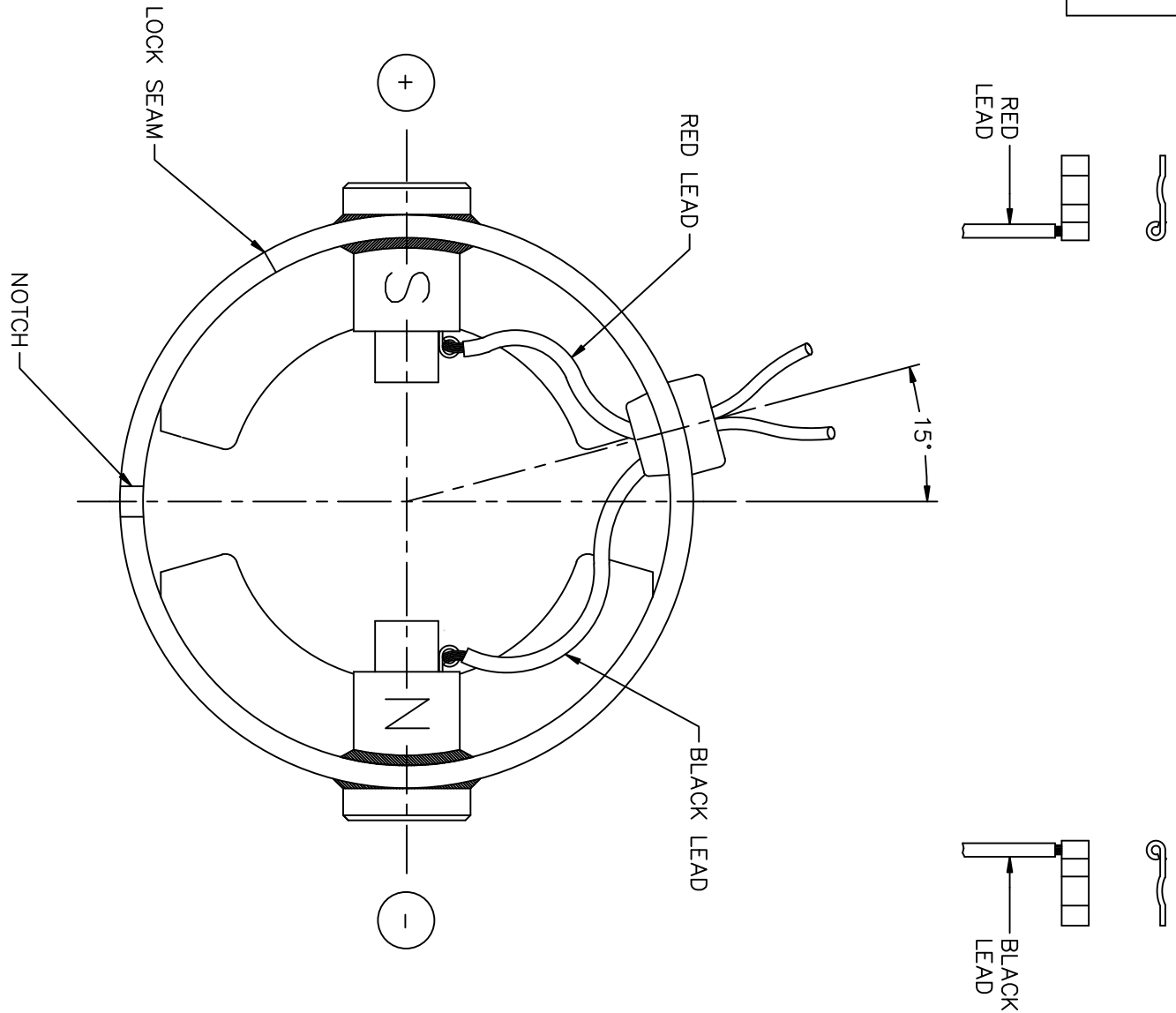
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CATALOG NO.	VOLTS	HP	RPM	"C"	"AG"
M1130053.00	90	1/8	1750	7.81	6.43
M1130118.00	180	1/8	1750	7.81	6.43

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV																												
08	REMOVED TOL. NOTE PER ECR 76063	BPW 08/05/02	SAD	TOLERANCES UNLESS SPECIFIED																														
07	RECORDED KNOCKOUT NOTE PER ECR 79956	BPW 04/29/02	SAD	DEC.	INCHES																													
06	REDRAWN TO STANDARDS & REMOVED DATUM "B"	SAD 5/2/01	BC	.X	±.1																													
05	MOVED GROUND SCREW TO PROPER LOCATION	SAD 12/16/97	SPV	.XX	±.03																													
04	REMOVE ITEMS, ADDED CAT NUMBERS	DWF 10/3/95		.XXX	±.005																													
03	REDRAWN TO CURRENT STANDARDS CNM1130053.00	DWF 9/7/95		.XXXX	±.0005																													
<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"></td> <td style="text-align: center;"><b>LEESON</b></td> <td style="width: 20%; text-align: center;">ELECTRIC MOTORS GEARMOTORS AND DRIVES</td> <td style="width: 20%; text-align: right;">DRAWN PG 10/26/89</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">CHK</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">APPD PW 11/1/89</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">SCALE 5=8</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">REF</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">FMF CM34D17NC5</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">PREV</td> </tr> </table>								<b>LEESON</b>	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 10/26/89				CHK				APPD PW 11/1/89				SCALE 5=8				REF				FMF CM34D17NC5				PREV
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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	M1030130	SIZE B																												
			DIST	DRAWING NO.	M1030130.00	REV. 08																												

DC MOTORS



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

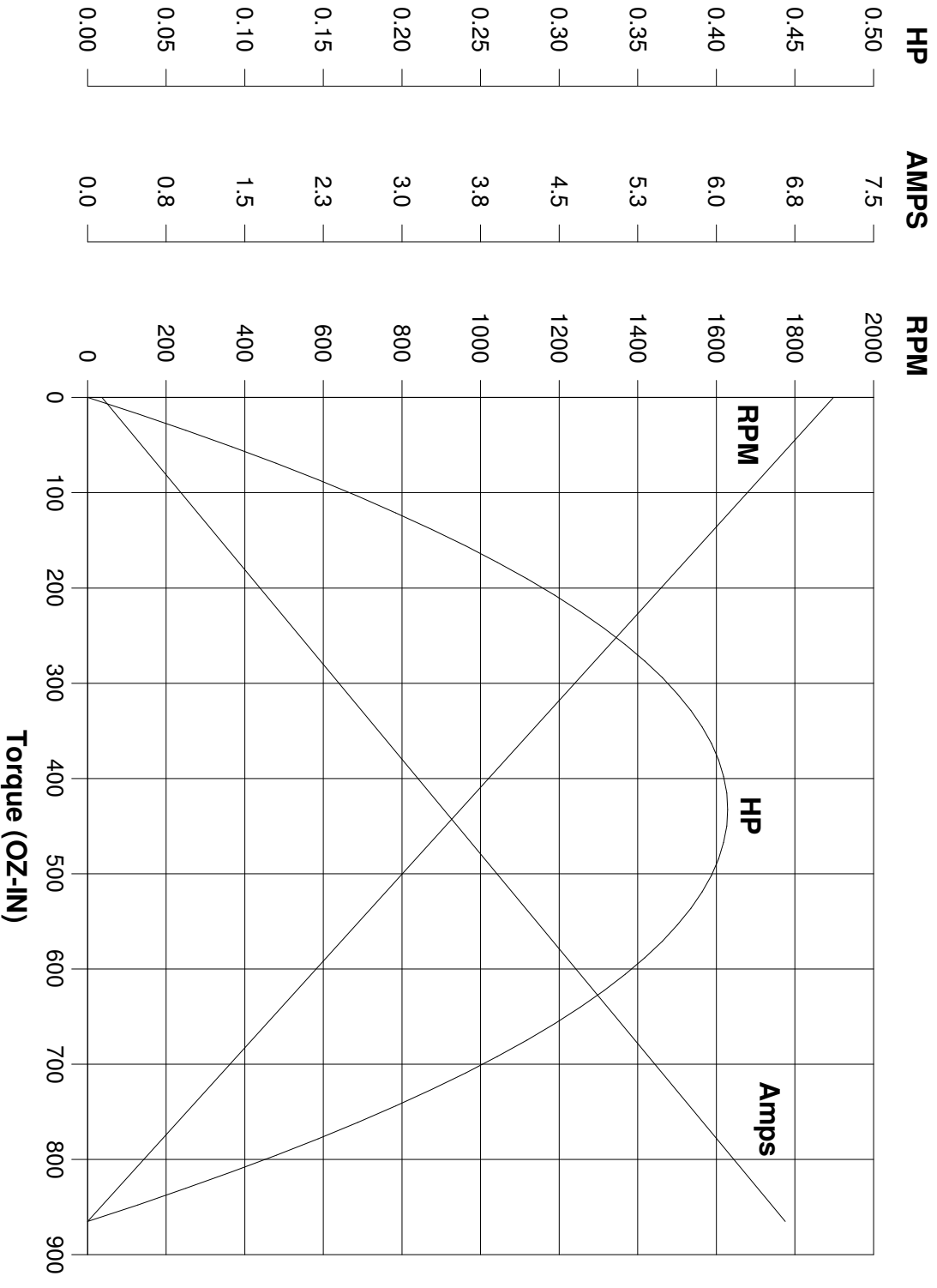
		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN PG 10/30/89		
		DEC.	INCHES			CHK		
			.X	±.1	TITLE CONNECTION DIAGRAM		APPD PW 10/31/89	
03	REMOVED BARRIERS, NOT NEEDED, ISAAC 10-1959	IPG 5/14/2010	SK	.XX	±.01	SCALE 1=1		
02	CORRECTED "N" & "S" PER ECR 83508	SMB 12/16/03	IPG	.XXX	±.005	REF 15008-01-117		
01	REDRAWN ON CAD	AJR 06/30/99		.XXXX	±.0005	FMF CM31D17NZ1		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV	
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			DIST					

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. CM34D17NC8 Catalog No. M1130118.00

HP 0.125 RPM 1750 DC Volts 180.0 N.P. FLA 0.70  
 F.F. 1.38 Encl TENV Type DN S.F. 1.00  
 Max. Amb. 40.0 Deg C Insul. F Frame 34 Duty Cont



Ra <u>22.000</u> Ohms	Kt <u>126.9</u> OZ-IN/AMP
La <u>93.00</u> mHenrys	Imax <u>10.0</u> AMPS Allowed
Ja <u>6.440</u> OZ-IN <sup>2</sup>	FL Torque <u>72.00</u> OZ-IN
Ke <u>93.86</u> V/KRPM	FL EFF <u>75.70</u> %

Winding W- MD342119-1 Prepared by V. Boehlen Date 05-06-2005