

PRODUCT INFORMATION PACKET



Model No: M1120186.00
Catalog No: M1120186.00
0.25 HP Washdown Duty DC Motor, 2500 RPM, 12 V, 32 Frame, IP55
Sub-Fractional Motors



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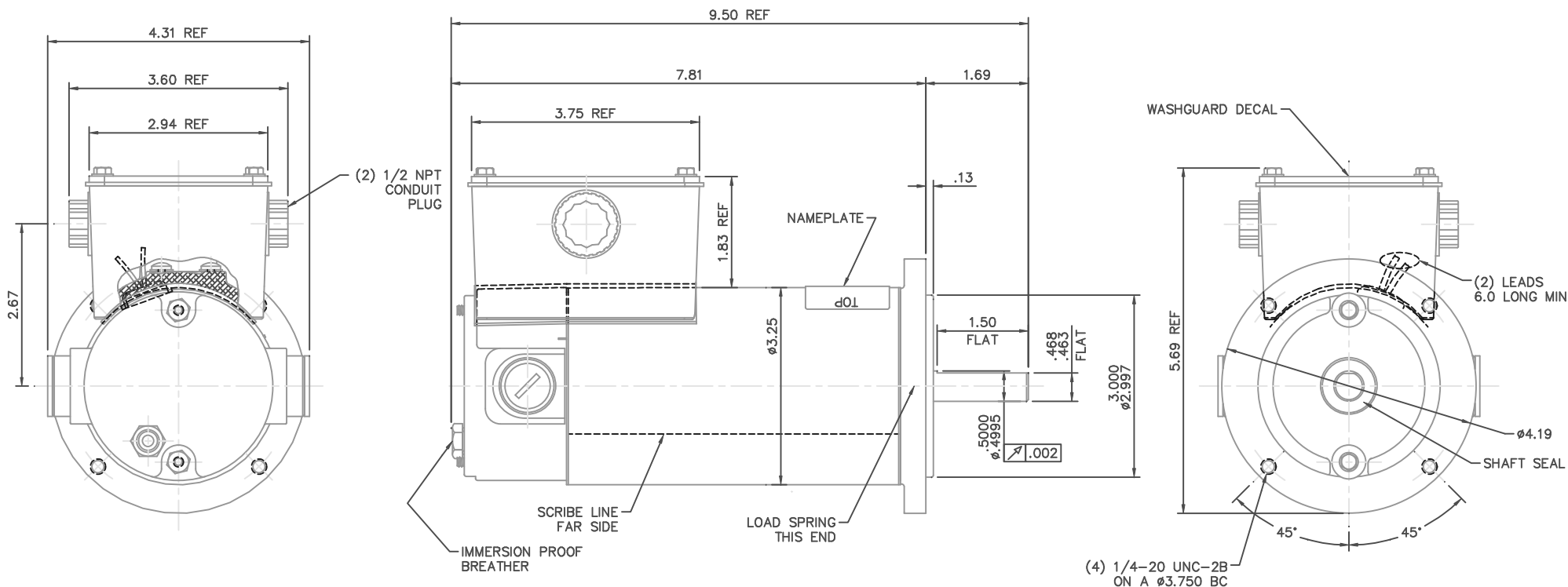
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	12 V	Current	20.0 A
Speed	2500 rpm	Service Factor	1
Efficiency	76.3 %	Duty	Continuous
Insulation Class	F	Frame	32
Enclosure	IP55	Thermal Protection	No
Ambient Temperature	40 °C	Drive End Bearing Size	6201-13
Opp Drive End Bearing Size	6201-13	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Round
Overall Length	9.50 in	Frame Length	5.44 in
Shaft Diameter	0.500 in	Shaft Extension	1.69 in
Torque	101 OZ-IN		
Connection Drawing	M100530801	Outline Drawing	M1030979

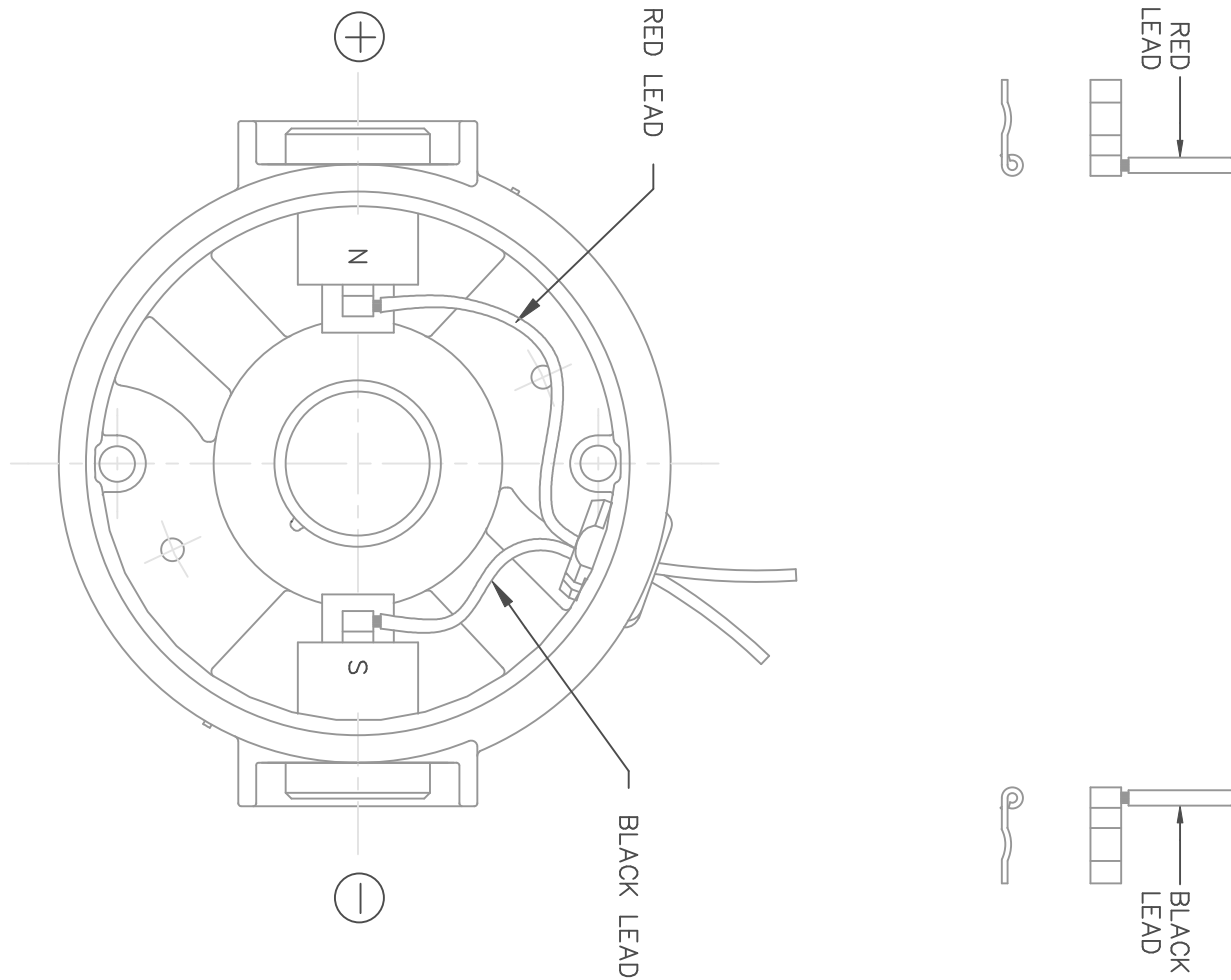
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NOTES:
 1) GASKETS BETWEEN FRAME AND ENDBELLS, CONDUIT BOX AND FRAME, AND CONDUIT BOX COVER AND CONDUIT BOX.

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN IPG 4/27/05	
03	1/2 NPT CONDUIT PLUG QTY. WAS 3. ISAAC 08-3457	RPB	7/29/08	BC	DEC.	INCHES	TITLE OUTLINE 32 FRAME DC	CHK	SAD 4/27/05
02	REMOVED (2) O-RINGS FROM INSIDE OF BRUSH HOLDERS.				.X	±.1		APPD	
	CHANGED BRUSH CAPS & ADDED TEFLON. ECN 07-4097	RPB	11/21/07	BC	.XX	±.03		SCALE	5=8
01	REVISED SHAFT EXTENSION AND SE ENDBELL ECR 86186	SAD	7/19/05	BC	.XXX	±.005	REF	PR040118-RD1	
00	RELEASED: REF. PR040118-RD1 & M1030970.00	IPG	4/27/05	SAD	.XXXX	±.0005	FMF	M1120186.00	
NO. REVISION		BY & DATE		CHK	ANG	±1/2"	MAT'L	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	M1030979	SIZE	DRAWING NO.	REV.
				DIST			B	M1030979.00	03

D.C. MOTORS



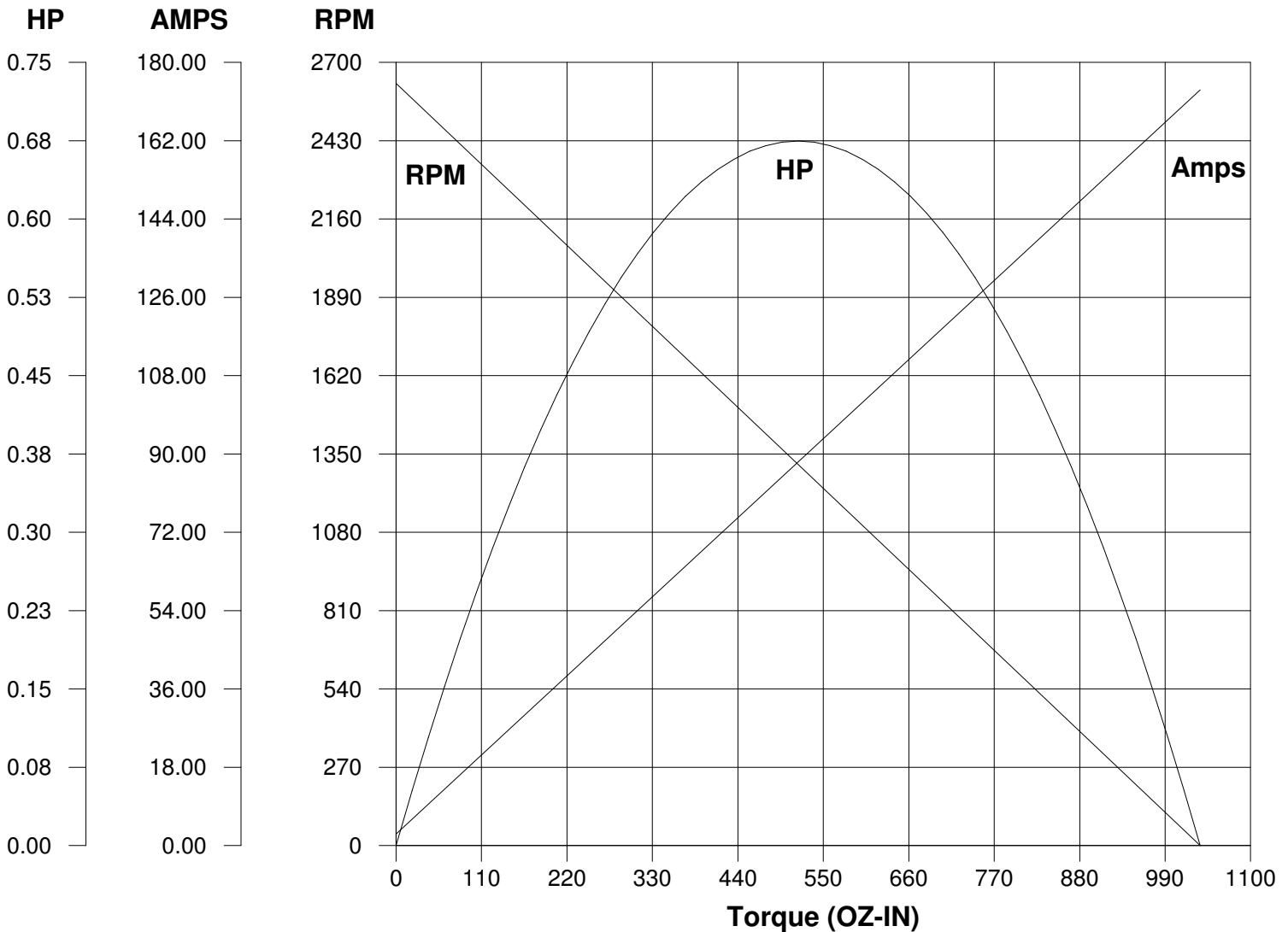
EXTERNAL CONNECTIONS FOR CW ROTATION
 VIEWING LEAD END OF MOTOR WITH RED LEAD
 POSITIVE (+) AND BLACK LEAD NEGATIVE (-)
 FOR CCW ROTATION REVERSE POLARITY

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	IPG 4/8/05	
				DEC.	INCHES		CHK	SAD 4/8/05	
				.X	±.1		APPD		
				.XX	±.01		TITLE	CONNECTION DIAGRAM	
				.XXX	±.005		SCALE	1=1	
00	RELEASED: REF. PR040117-RD1	IPG 4/8/05	SAD	.XXXX	±.0005	MAT'L.	REF	PR040117-RD1	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	FMF	M1120085.00	
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				DIST	M100530801		A	M1005308.01	
							REV.	00	

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CM32D25VC2</u>	Catalog No. <u>M1120186.00</u>	
HP <u>0.250</u>	RPM <u>2500</u>	DC Volts <u>12.0</u>
F.F. <u>1.00</u>	Encl <u>IP55</u>	N.P. FLA <u>20.00</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Type <u>DN</u>
	Frame <u>32</u>	S.F. <u>1.00</u>
		Duty <u>CONT</u>



Ra <u>0.05100</u> Ohms
La <u>0.2600</u> mHenrys
Ja <u>9.010</u> OZ-IN ²
Ke <u>4.478</u> V/KRPM

Kt <u>6.056</u> OZ-IN/AMP
Imax <u>242.2</u> AMPS Allowed
FL Torque <u>101.0</u> OZ-IN
FL EFF <u>76.30</u> %

Winding W- MD3222-1 **Prepared by** V. Boehlen **Date** 09-29-2005