



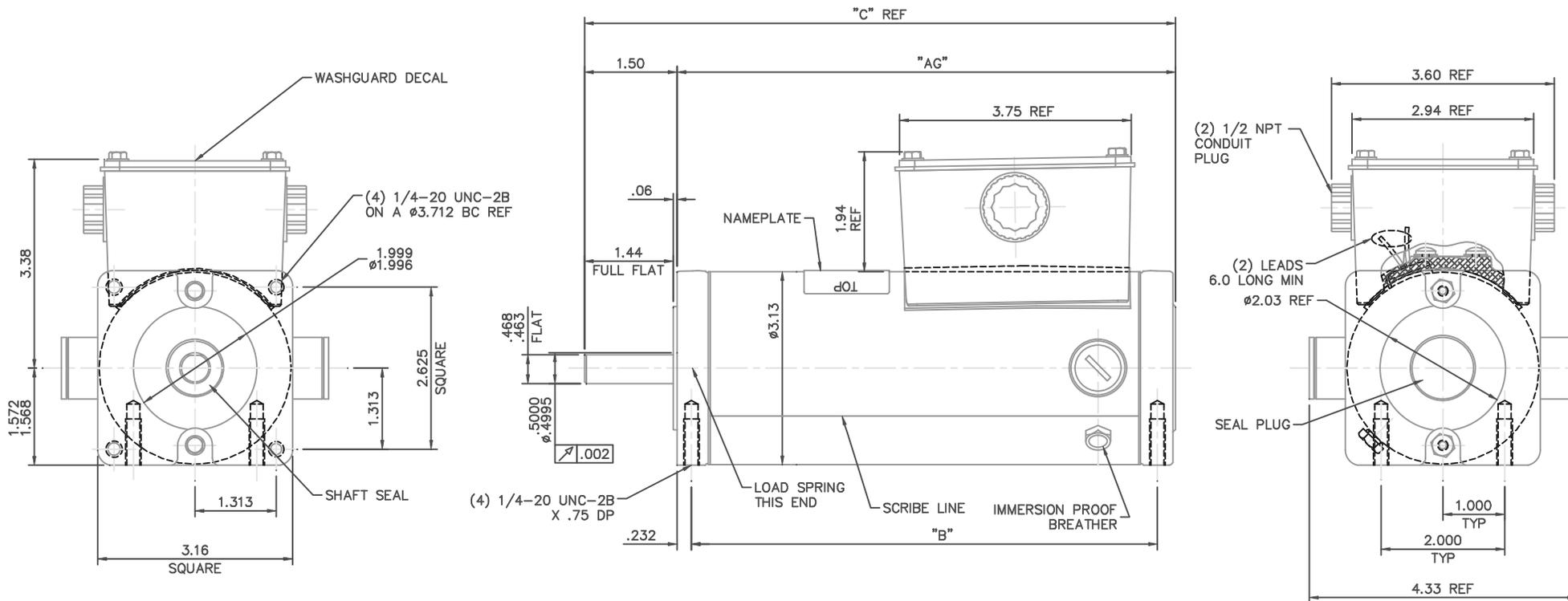
Nameplate Specifications

Output HP	0.13 Hp	Output KW	0.10 kW
Voltage	12 V	Speed	1750 rpm
Service Factor	1.0	Frame	31
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No Protection
Efficiency	74.7 %	Ambient Temperature	40 °C
Current	10.5 A	Duty	Continuous
Insulation Class	F	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	9.57 in	Frame Length	5.44 in
Shaft Diameter	0.500 in	Shaft Extension	1.5 in
Torque	72 OZ-IN		
Outline Drawing	M1030969-M1120182	Connection Drawing	M100530501

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



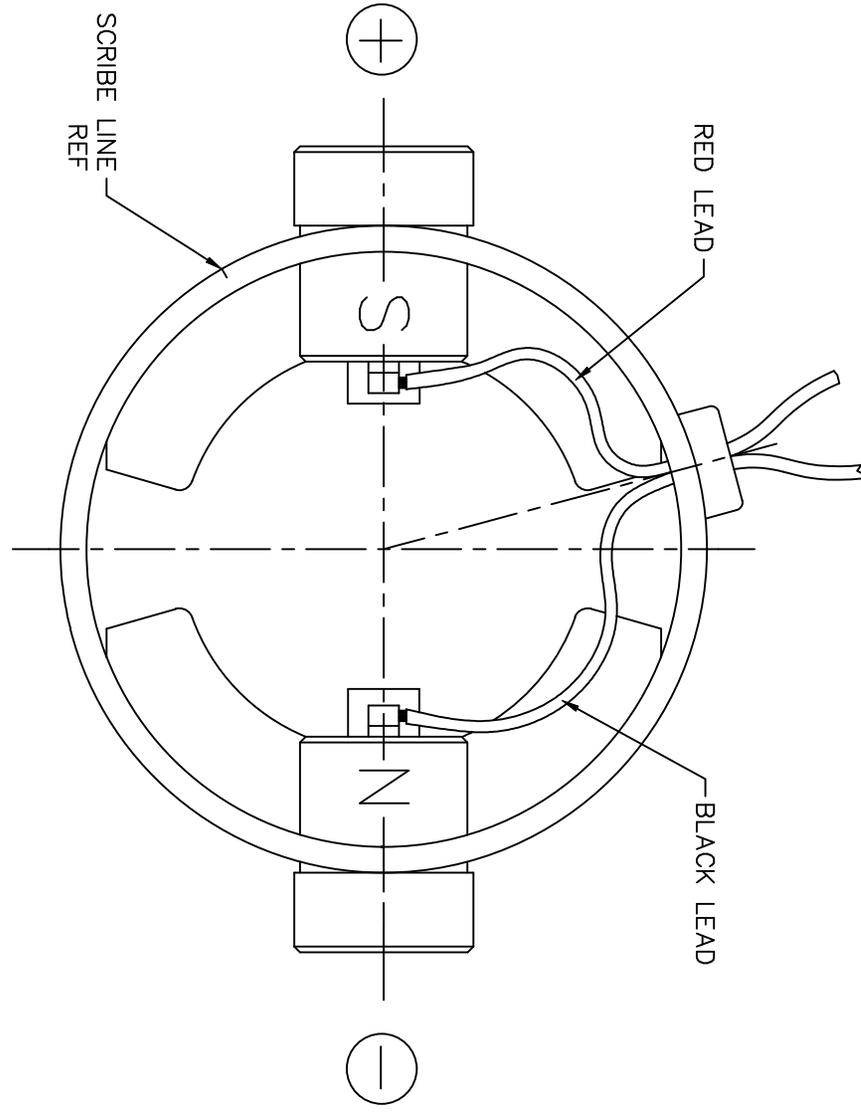
NOTES:

- 1) END CAP MOUNTING FEET TO BE PARALLEL TO EACH OTHER WITHIN .002.
- 2) GASKETS BETWEEN FRAME AND ENDBELLS, CONDUIT BOX AND FRAME, AND CONDUIT BOX COVER AND CONDUIT BOX.

M1120182.00	6.57	6.05	8.07	12	1/8	1750
M1120184.00	8.07	7.55	9.57	12	1/6	1750
CATALOG NO.	"AG" DIM	"B" DIM	"C" DIM	VOLT	H.P.	RPM

04	1/2 NPT CONDUIT PLUG QTY. WAS 3. ISAAC 08-3457	RPB	7/29/08	BC	UNLESS SPECIFIED	 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	IPG 4/6/05			
03	REMOVED (2) O-RINGS FROM INSIDE OF BRUSH HOLDERS.				DEC.		INCHES	CHK	SAD 4/6/05		
	CHANGED BRUSH CAPS & ADDED TEFLON. ECN 07-4097	RPB	11/20/07	BC	.X	±.1	APPD				
02	ADDED LEAD LENGTH, CLARIFIED NOTE 2, ECR 86549	IPG	4/12/05	SAD	.XX	±.03	SCALE	5=8			
01	ADDED CAT. # M1120182.00 TO TABLE	IPG	4/7/05	SAD	.XXX	±.005	REF	PR040116-RD1			
00	RELEASED: REF. M1030965.00 & PR040116-RD1	IPG	4/6/05	SAD	.XXXX	±.0005	FMF	M1120184.00			
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	M1030969	SIZE	DRAWING NO.	REV.
						DIST			B	M1030969.00	04

DC MOTORS



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

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	IPG 3/23/05		
				DEC.	INCHES		CHK	SAD 3/23/05		
				.X	±.1		APPD			
				.XX	±.01		TITLE	CONNECTION DIAGRAM		
				.XXX	±.005		SCALE	1=1		
00	RELEASED: SAME AS PR040115-RD1	IPG 3/23/05	SAD	.XXXX	±.0005	MAT'L.	SEE ABOVE		REF	PR040115-RD1
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH			FMF	M1120183.00
				RFP		CAD FILE	M100530501	SIZE	DRAWING NO.	REV.
				DIST			A	M1005305.01	00	

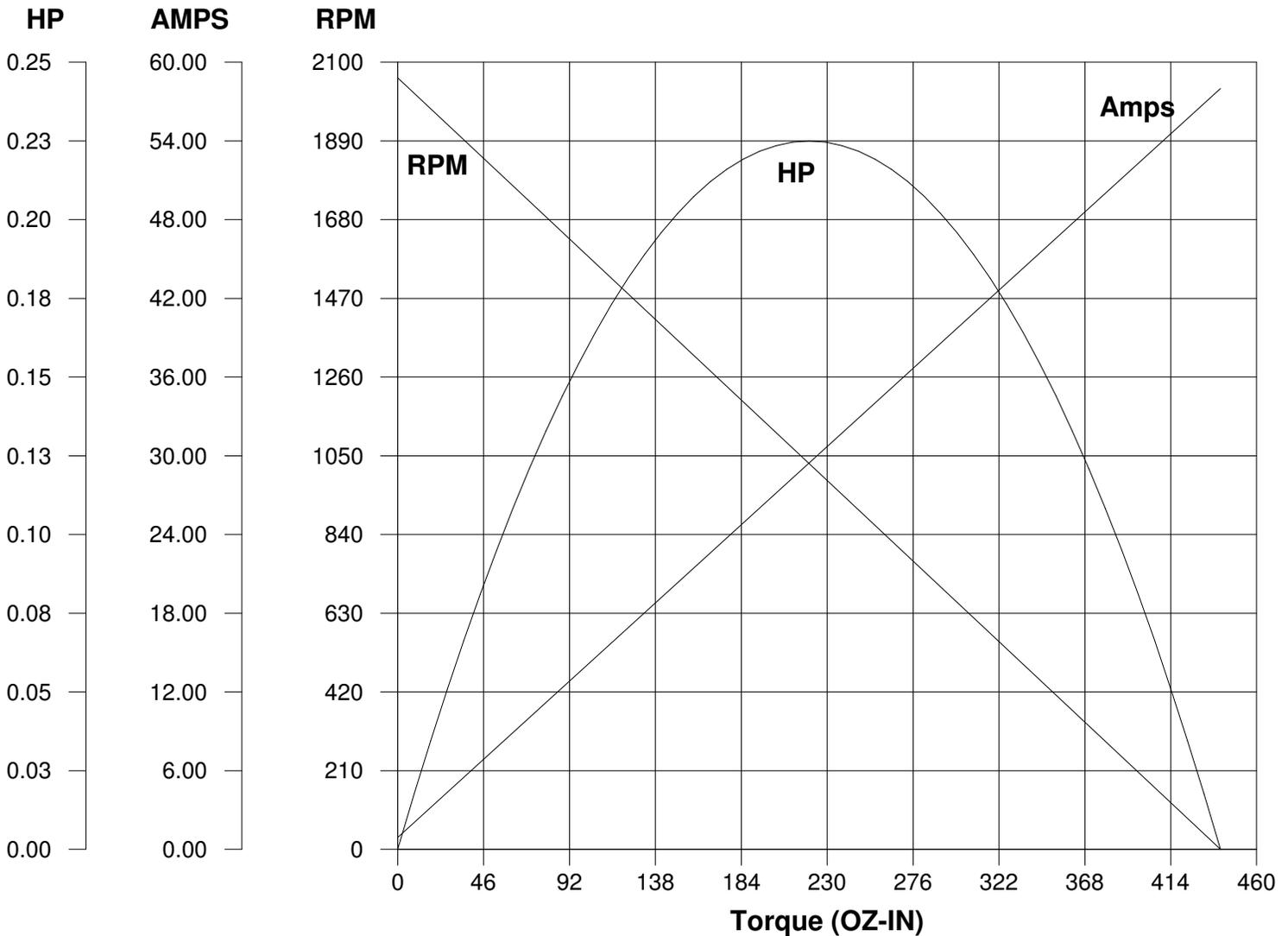
ERROR: undefined
OFFENDING COMMAND: s

STACK:

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CM31D17VZ2</u>	Catalog No. <u>M1120182.00</u>	
HP <u>0.125</u>	RPM <u>1750</u>	DC Volts <u>12.0</u>
F.F. <u>1.00</u>	Encl <u>IP55</u>	Type <u>DN</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Frame <u>31</u>
		N.P. FLA <u>10.50</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



Ra <u>0.1400</u> Ohms
La <u>0.6600</u> mHenrys
Ja <u>5.789</u> OZ-IN ²
Ke <u>5.944</u> V/KRPM

Kt <u>8.039</u> OZ-IN/AMP
Imax <u>121.1</u> AMPS Allowed
FL Torque <u>72.00</u> OZ-IN
FL EFF <u>74.70</u> %

Winding W- MD312286-1 **Prepared by** V. Boehlen **Date** 09-29-2005