

PRODUCT INFORMATION PACKET



Model No: M1110003.00
Catalog No: M1110003.00
Sub-Fractional Motor, 0.04 HP, 90 V, 1750 RPM, 25 Frame, TENV



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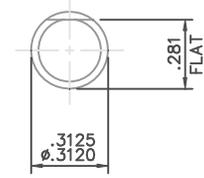
Nameplate Specifications

Output HP	0.04 Hp	Output KW	0.03 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	25
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	47.8 %	Ambient Temperature	40 °C
Current	0.70 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	608-S
Opp Drive End Bearing Size	608-S	UL	Recognized
CSA	Y	CE	Y

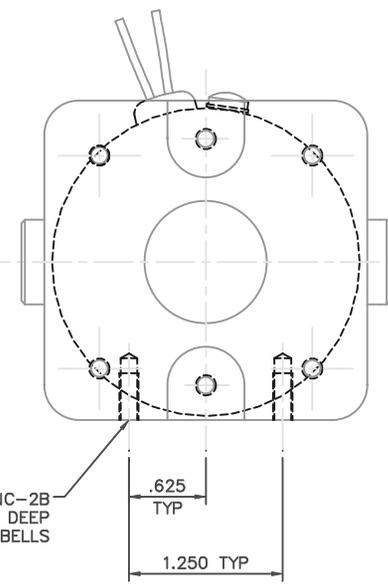
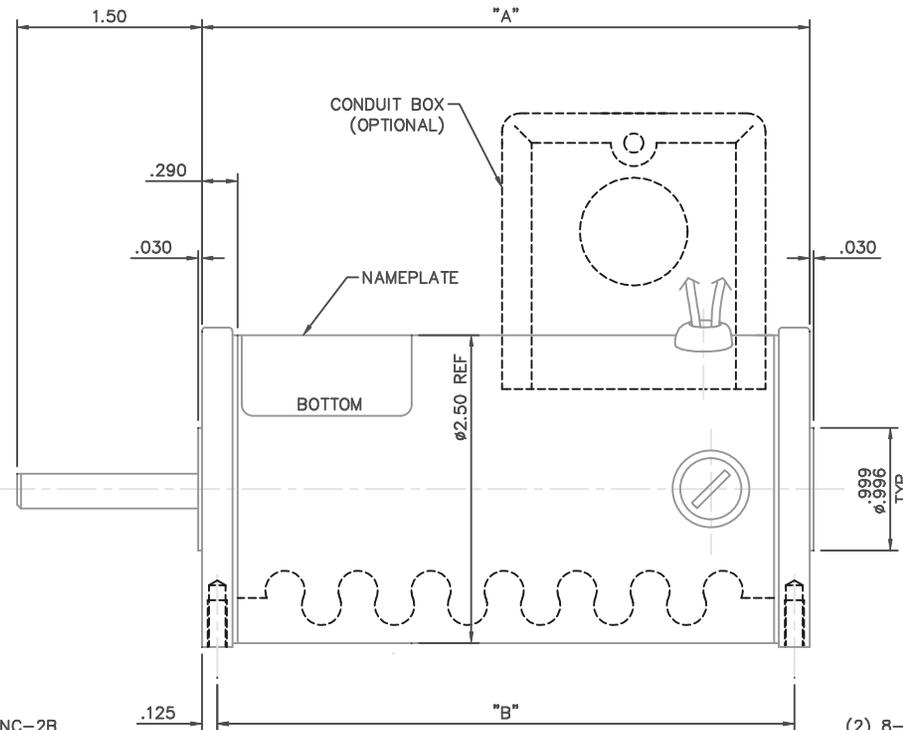
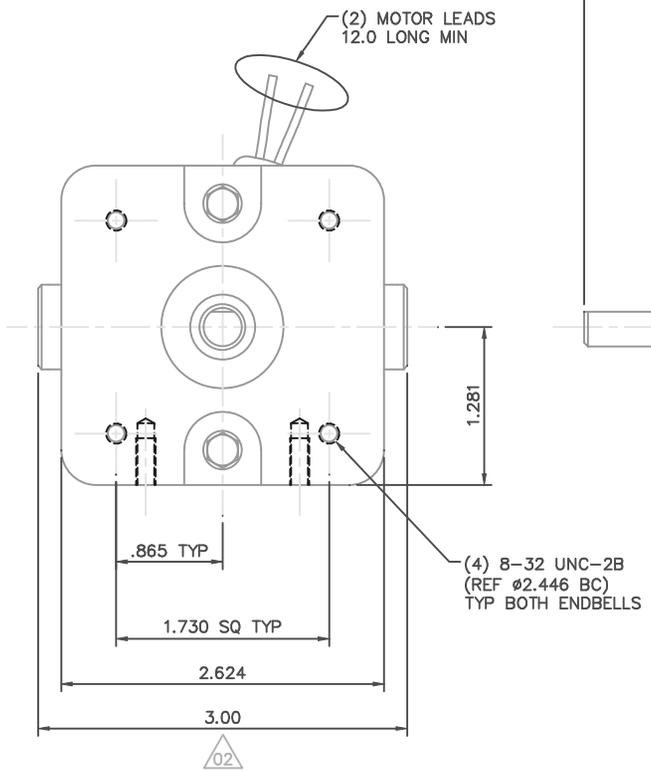
Technical Specifications

Rotation	Reversible	Mounting	Round
Overall Length	6.44 in	Frame Length	4.36 in
Shaft Diameter	0.312 in	Shaft Extension	1.5 in
Torque	23 OZ-IN		
Connection Drawing	M100526101	Outline Drawing	M1030888-M1110003

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SHAFT DETAIL (2X)

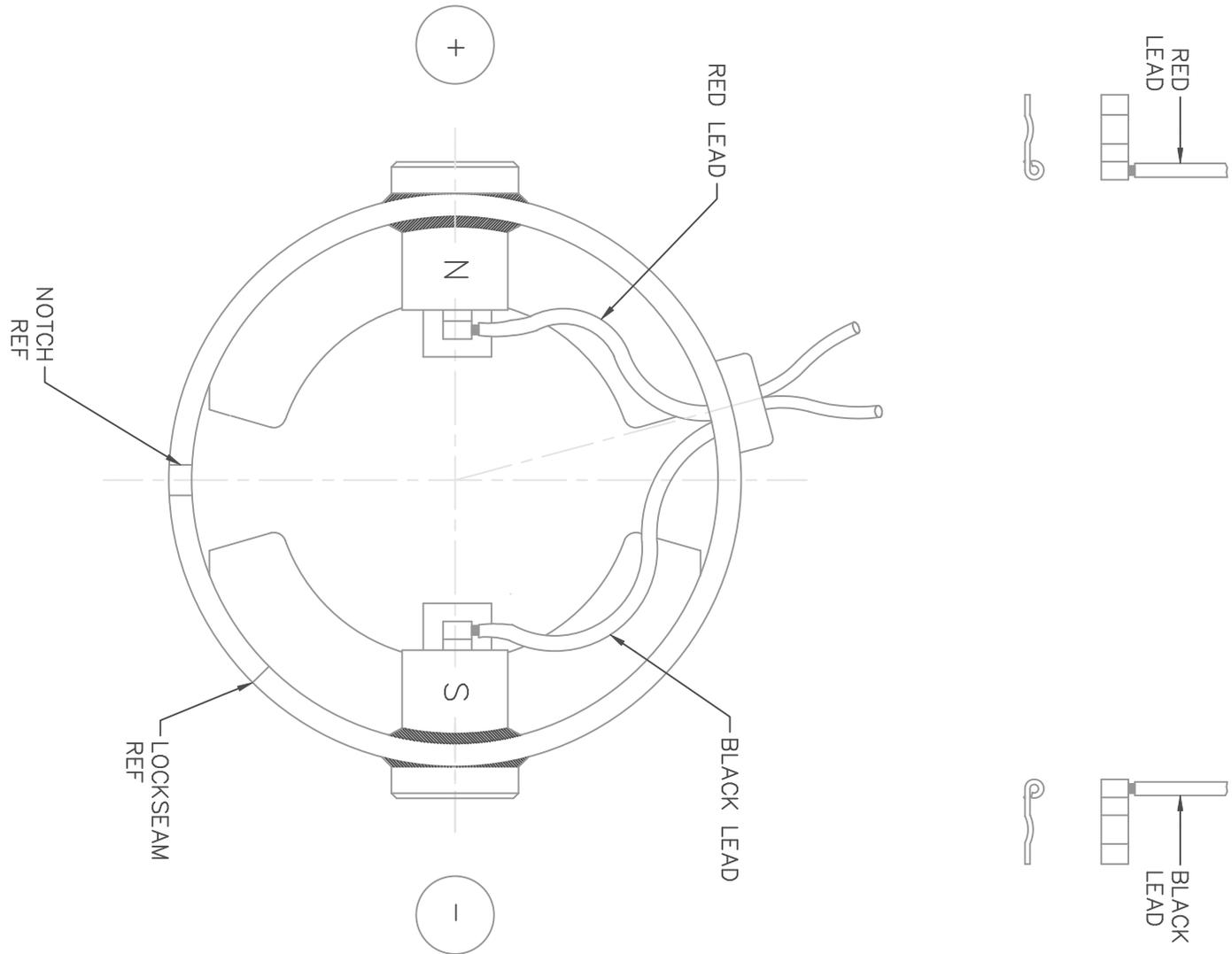


NOTES:
1) ENDBELL MOUNTING FEET TO BE PARALLEL WITHIN .002 OF EACH OTHER.

CAT. NO.	"A"	"B"	VOLTS	H.P.	RPM
M1110003.00	4.94	4.69	90	1/25	1750
M1110006.00	4.94	4.69	12-24	1/20-1/10	1750-4200
M1110014.00	4.08	3.83	90	1/25	3500
M1110015.00	4.94	4.69	90	1/15	3500

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN SAD 7/15/03	
		DEC.	INCHES			CHK	IPG 7/16/03
		.X	±.1	TITLE		APPD	SCALE 1=1
		.XX	±.03	OUTLINE		REF	PR020584
		.XXX	±.005	25 FRAME DC		FMF	M1110014.00
		.XXX	±.0005	MAT'L		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	
02	ADDED 3.00 DIM TO BRUSHES, ECR 82273	IPG 1/26/2004	SAD	.XXX	±.005		
01	ADDED TABLE PER 25 FRAME CONVERSION	IPG 8/18/03	SAD	.XXX	±.0005		
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	M1030888	SIZE	DRAWING NO.
		DIST				B	M1030888.00
							REV. 02

DC MOTORS



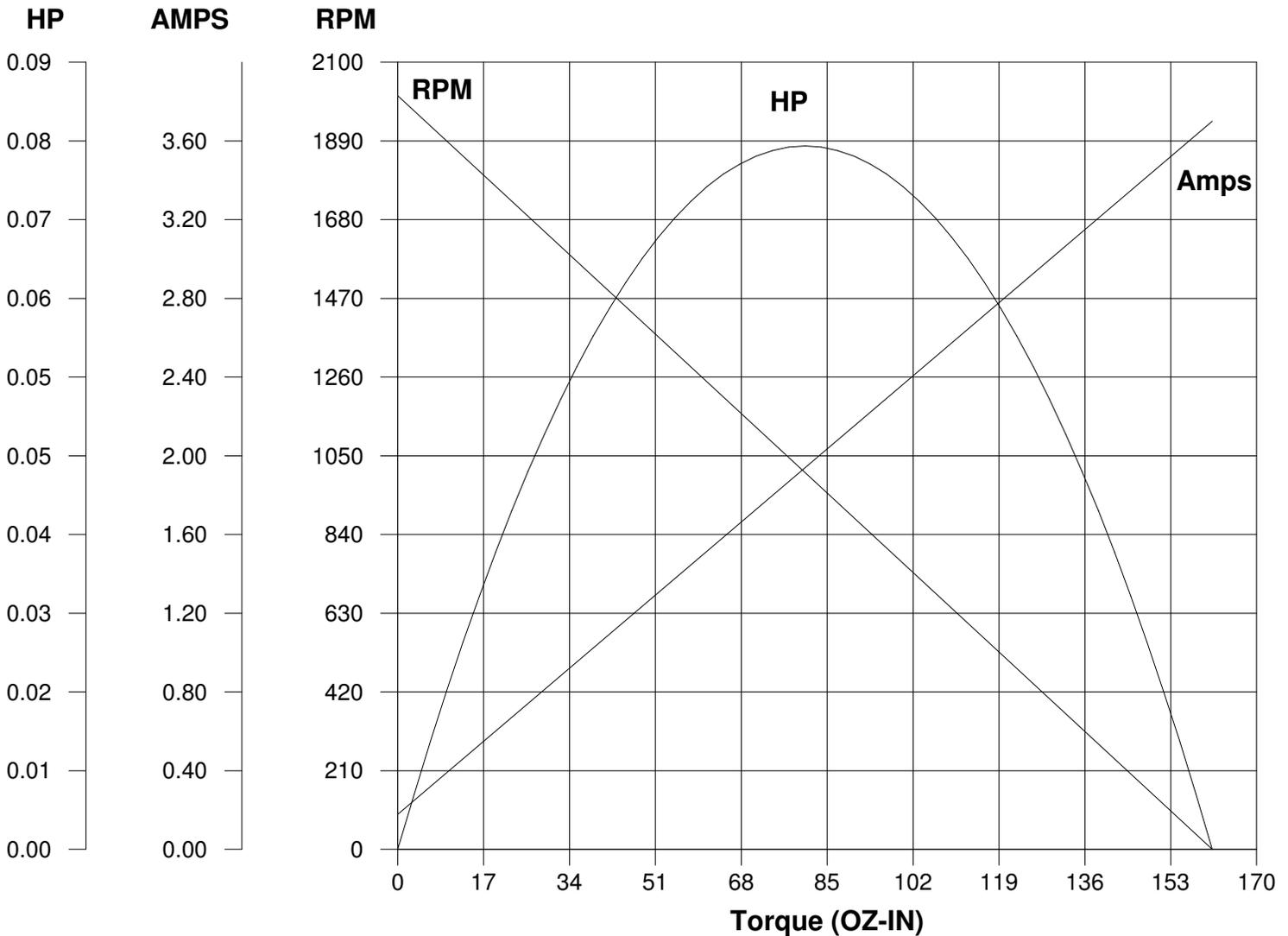
EXTERNAL CONNECTIONS FOR CW ROTATION VIEWING
 LEAD END OF MOTOR WITH RED LEAD POSITIVE (+)
 AND BLACK LEAD NEGATIVE (-)
 FOR CW ROTATION REVERSE POLARITY

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN SAD 06/20/03	
				DEC.	INCHES		CHK IPG 06/20/03	APPD
				.X	±.1	TITLE CONNECTION DIAGRAM TRU-TORQ	SCALE 1=1	
02	CORRECTED "N" & "S", ADDED TRU-TORQ TO THE TITLE BLOCK AND ORACLE DESCRIPTION, ECR 83989	IPG 3/1/2004	SAD	.XX	±.01		REF PR020584	
01	CORRECTED "N" & "S", ECR 83508	SMB 01/21/04	IPG	.XXX	±.005	MAT'L. SEE ABOVE	FMF M110014.00	
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. <u>980.535</u>	Catalog No. <u>M1110003.00</u>	
HP <u>0.040</u>	RPM <u>1750</u>	DC Volts <u>90.0</u>
F.F. <u>1.38</u>	Encl <u>TENV</u>	N.P. FLA <u>0.70</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Type <u>DN</u>
	Frame <u>25</u>	S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra	<u>30.000</u>	Ohms
La	<u>56.20</u>	mHenrys
Ja	<u>0.0700</u>	LB-IN ²
Ke	<u>43.44</u>	V/KRPM

Kt	<u>58.75</u>	OZ-IN/AMP
I _{max}	<u>8.2</u>	AMPS Allowed
FL Torque	<u>23.00</u>	OZ-IN
FL EFF	<u>47.80</u>	%

Winding W- MD25228-1 Prepared by V. Boehlen Date 05-05-2005