

# PRODUCT INFORMATION PACKET



Model No: M1135044.00  
Catalog No: M1135044.00  
Right Angle Gearmotor, 0.25 HP, 90 V, 125 RPM, 34 Frame, TENV



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### Nameplate Specifications

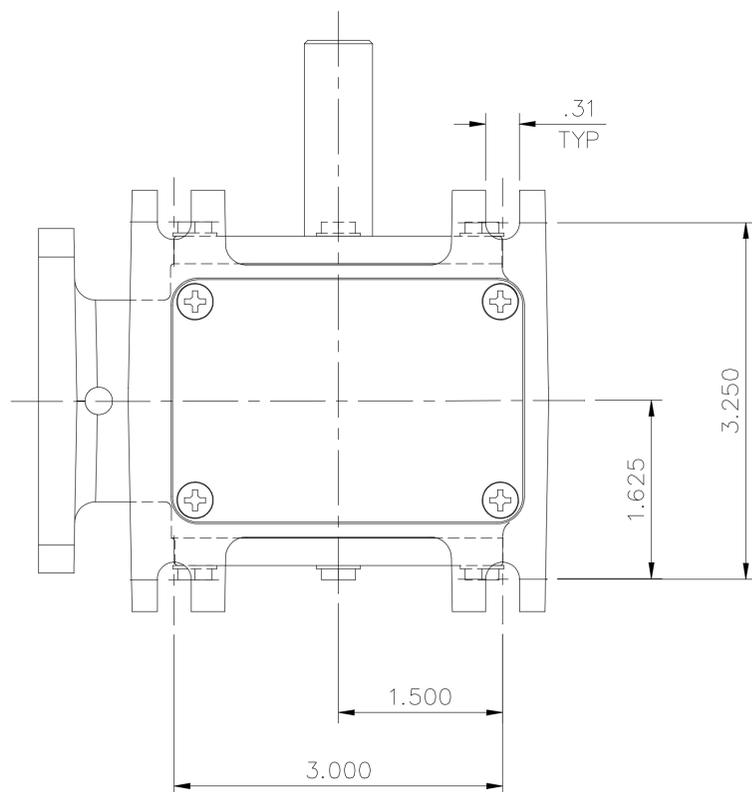
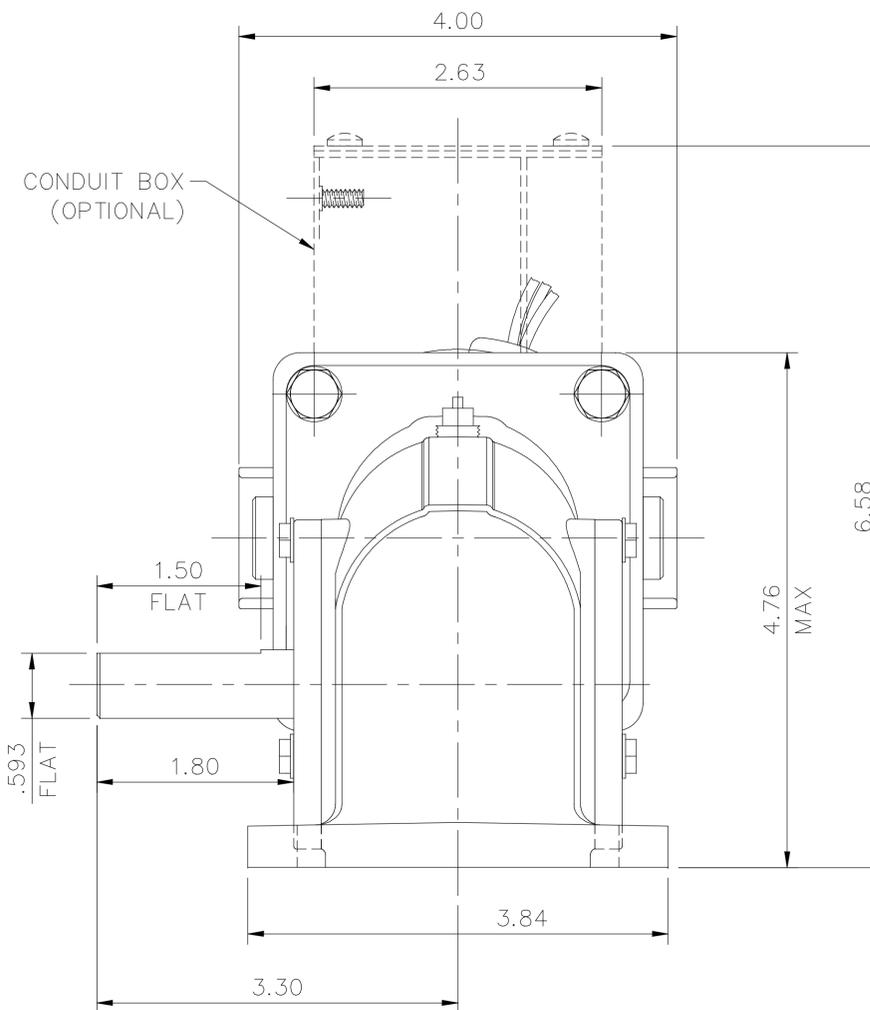
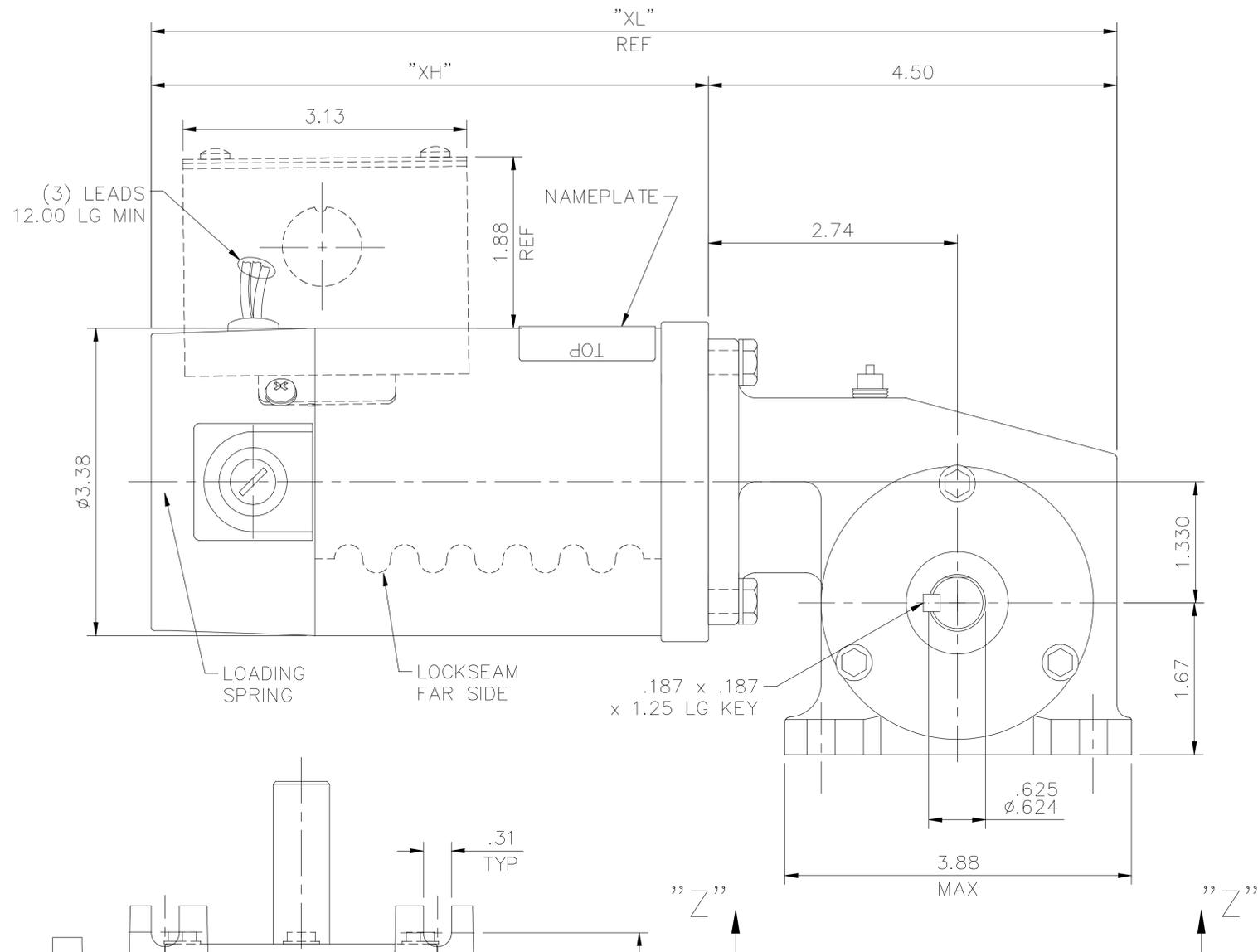
Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Speed	125 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No Protection
Efficiency	39.6 %	Ambient Temperature	40 °C
Current	2.3 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	6201
Opp Drive End Bearing Size	6201	UL	Recognized
CSA	Y	CE	Y

### Technical Specifications

Rotation	Reversible	Mounting	Special
Shaft Type	Right Angle	Overall Length	12.64 in
Frame Length	5.81 in	Shaft Diameter	0.625 in
Shaft Extension	1.8 in	Torque	90 LB-IN
Outline Drawing	M1030350-M1135044	Connection Drawing	M100512401

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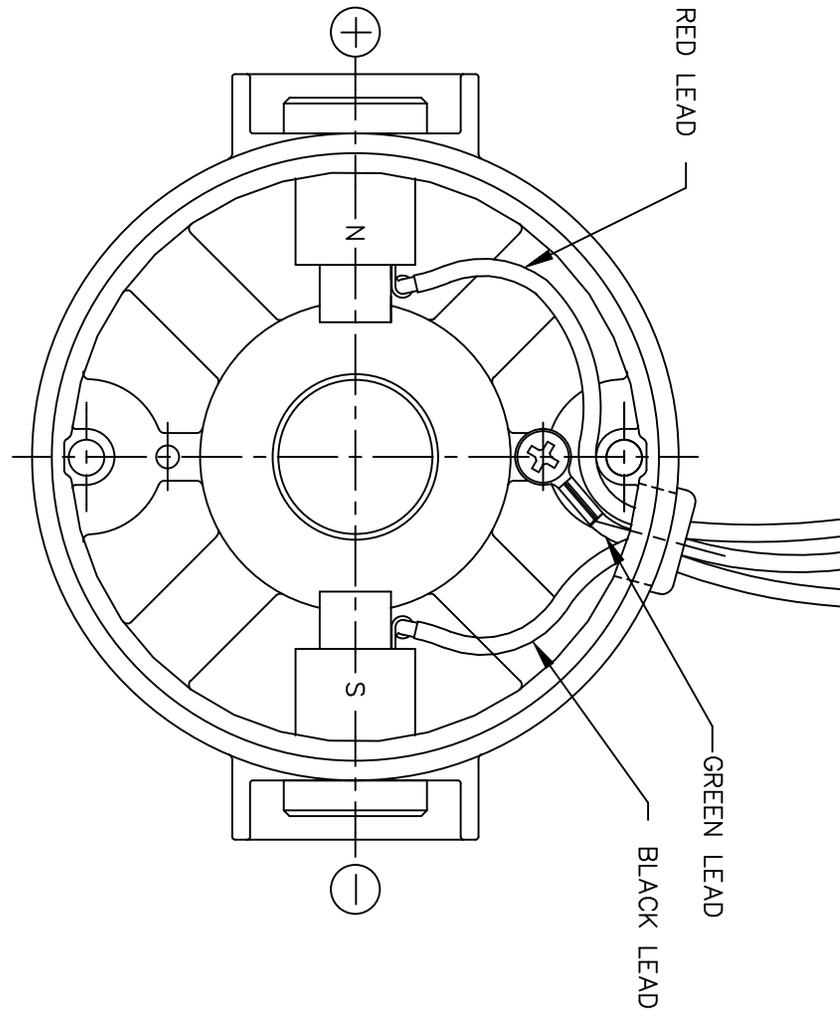
M1030350



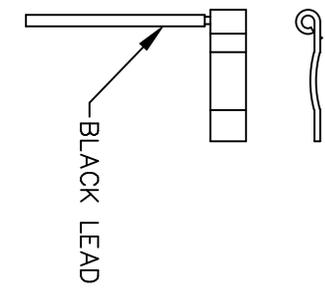
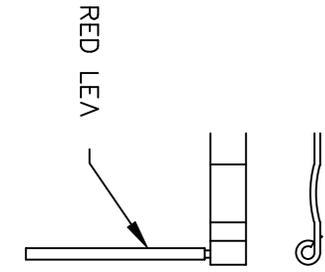
CATALOG NUMBER	SPEED RANGE RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XH"	"XL"
M1135046.00	500-8	30	1/4	235	13F05-34G	5	8.14	12.64
M1135045.00	250-4	50	1/4	235	13F10-34G	10	8.14	12.64
M1135044.00	125-2.1	90	1/4	235	13F20-34G	20	8.14	12.64
M1135043.00	83-1.4	125	1/4	235	13F30-34G	30	8.14	12.64
M1135042.00	62-1	135	1/4	235	13F40-34G	40	8.14	12.64

		TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN DWF 11/30/93	
		DEC.	INCHES			CHK	
		.X	±.1	APPD		SCALE 5=8	
		.XX	±.03	TITLE		REF M1135049.99	
		.XXX	±.005	OUTLINE 34 FRAME DC 13 SERIES 90V GEARMOTOR		FMF M1135046.00	
Y	REMOVED 1/8 HP RATINGS FROM TABLE, ECO-0173505	IPG	9/13/19	.XXXX	±.0005	PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH LEESON	
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	M1030350	SIZE DRAWING NO.
				DIST			B M1030350
						REV.	Y

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

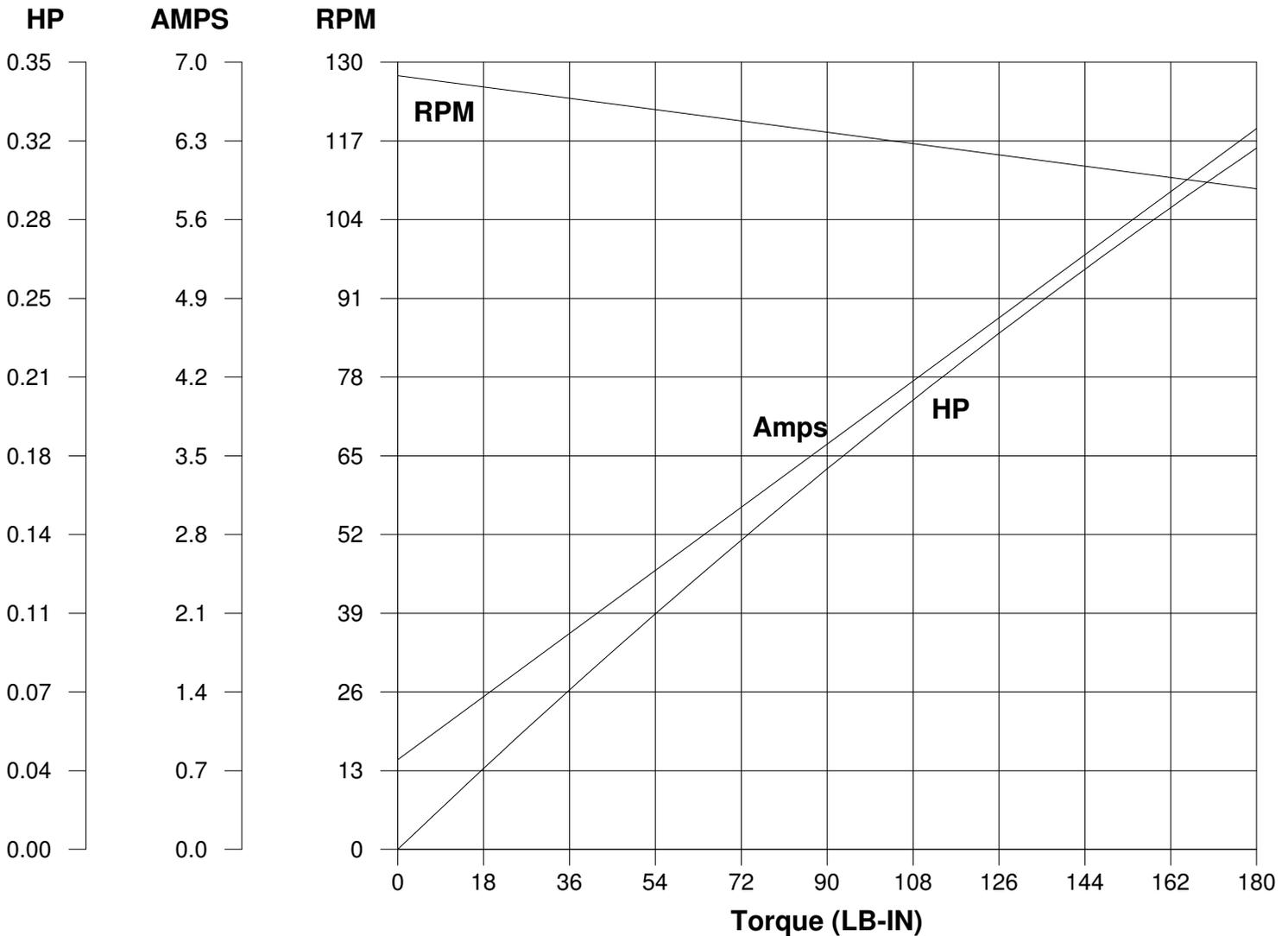


07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED		<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	SPV 12/10/91
06	REMOVED GROUND HOLE	TMZ	3/16/95	DEC.	INCHES			CHK	DWF 5/20/92
05	REVERSE ROTATION WAS CW	SPV	6/3/94	.X	±.1		TITLE	APPD	
04	CHANGED ROTATION FROM CCW TO CW	MJS	3/9/93	.XX	±.01			SCALE	1=1
03	REVISED ROTATION NOTE	DWF	1/6/93	.XXX	±.005		MAT'L.	REF	
02	ADDED GREEN LEAD	DWF	8/1/92	.XXXX	±.0005			FINISH	FMF M9131D2N22
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"			PREV	
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				DIST			A	M1005124.01	07

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

<b>Model No.</b> <u>CM34D25NZ12</u>	<b>Catalog No.</b> <u>M1135044.00</u>	
<b>HP</b> <u>0.250</u>	<b>RPM</b> <u>125</u>	<b>DC Volts</b> <u>90.0</u>
<b>F.F.</b> <u>1.38</u>	<b>Encl</b> <u>TENV</u>	<b>Type</b> <u>DN</u>
<b>Max. Amb.</b> <u>40.0 Deg C</u>	<b>Insul.</b> <u>H</u>	<b>Frame</b> <u>34</u>
		<b>N.P. FLA</b> <u>2.30</u>
		<b>S.F.</b> <u>1.00</u>
		<b>Duty</b> <u>CONT</u>



**Ra** 2.0700 Ohms  
**La** 9.984 mHenrys  
**Ja** 0.6440 LB-IN<sup>2</sup>  
**Ke** 34.50 V/KRPM

**Kt** 2.916 LB-IN/AMP  
**Imax** 38.3 AMPS Allowed  
**FL Torque** 90.00 LB-IN  
**FL EFF** 38.90 %

**Winding W-** MD342145-1      **Prepared by** V. Boehlen      **Date** 12-01-2005