

# PRODUCT INFORMATION PACKET



Model No: M1135297.00  
Catalog No: M1135297.00  
Right Angle Gearmotor, 0.25 HP, 12 V, 58 RPM, 34 Frame, TENV



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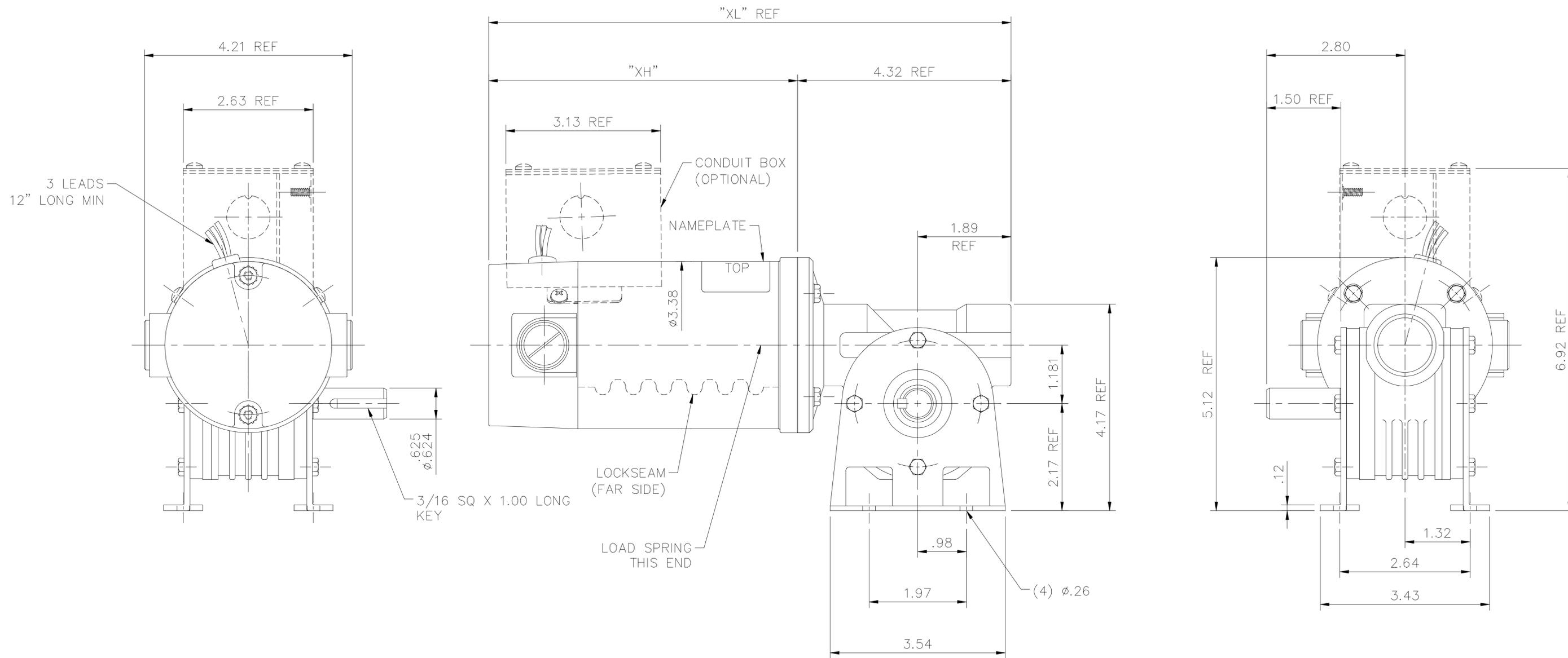
**Nameplate Specifications**

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	12 V	Speed	58 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	37.3 %	Ambient Temperature	40 °C
Current	24.0 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	6201
Opp Drive End Bearing Size	608	UL	Recognized
CSA	Y	CE	N

**Technical Specifications**

Rotation	Reversible	Mounting	Special
Shaft Type	Right Angle	Overall Length	11.82 in
Frame Length	5.31 in	Shaft Diameter	0.625 in
Shaft Extension	1.5 in	Torque	158 LB-IN
Connection Drawing	M100514301	Outline Drawing	M1030894-M1135297

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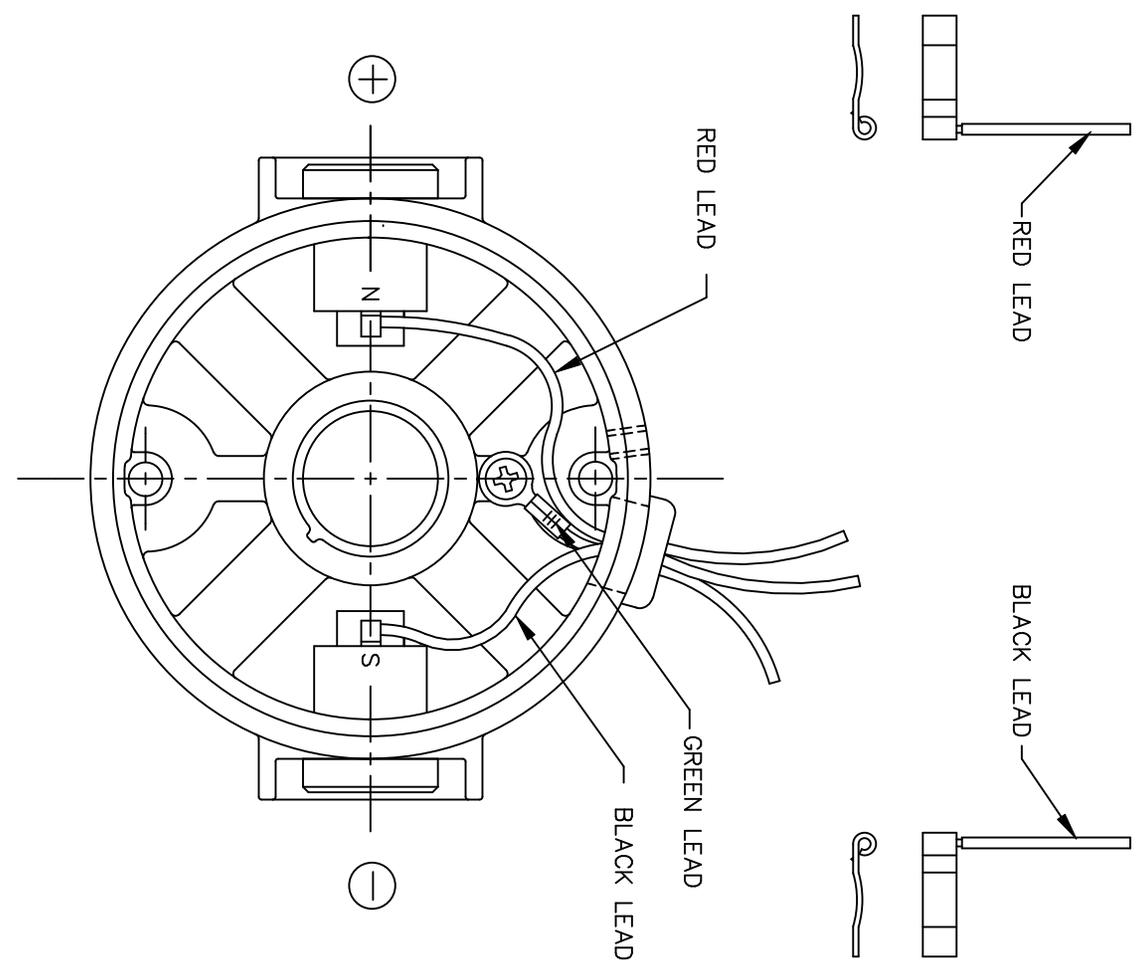


CATALOG NUMBER	OUTPUT RPM	FULL LOAD TORQUE LB.-IN.	F.L. AMPS	INPUT HP	RATIO TO 1	"XL"	"XH"
M1135284.00	45	94	15	1/8	39	10.57	6.25
M1135285.00	27	134	14	1/8	61	10.57	6.25
M1135293.00	250	46	23	1/4	7	11.82	7.50
M1135294.00	167	61	21	1/4	10.6	11.82	7.50
M1135295.00	115	85	23	1/4	15	11.82	7.50
M1135296.00	90	100	24	1/4	19	11.82	7.50
M1135297.00	58	158	24	1/4	30	11.82	7.50

ITEM No.	ITEM REV
-00	010

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN SMB 08/13/03	
		DEC.	INCHES		CHK IPG 08/13/03	APPD
		.X	±.1	TITLE OUTLINE - 34 FRAME DC 512 BRAVO GEARBOX - 12V	SCALE 1=2	
P	ADDED REF. TO "XL" DIMENSION, ECO-0130202	IPG 8/28/17	.XXX ±.005		REF PR030240	
N	ADDED REF. TO 1.89 DIMENSION, ECO-0128454	IPG 7/31/17	.XXXX ±.0005	MAT'L.	FMF M1135284.00	
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 M1030894	SIZE B	
			DIST		DRAWING NO. M1030894	
					REV. P	

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 OTHERWISE SPECIFIED		<b>LEESON</b> ELECTRIC CORPORATION			
				DECIMALS					
03	CORRECTED "N" AND "S", ECR 80000 (PER B.C.)	VS	08/15/02	.00	± .01	DRAWN DWF 3/26/93	TITLE CONNECTION DIAGRAM		
02	ROTATED DETAIL VIEWS OF LEADS	SAD	2/4/98	.000	± .005	CH'K'D.			
01	REVERSE ROTATION WAS CW	SPV	6/3/94	.0000	± .0005	APPR.	MAT'L.		
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED				ANGLES	± 1/2'	REF. M1005124	FINISH LEESON	SIZE A	DRAWING NO.
				INCH/MM		FMF M1125046	STOCK		M1005143-01

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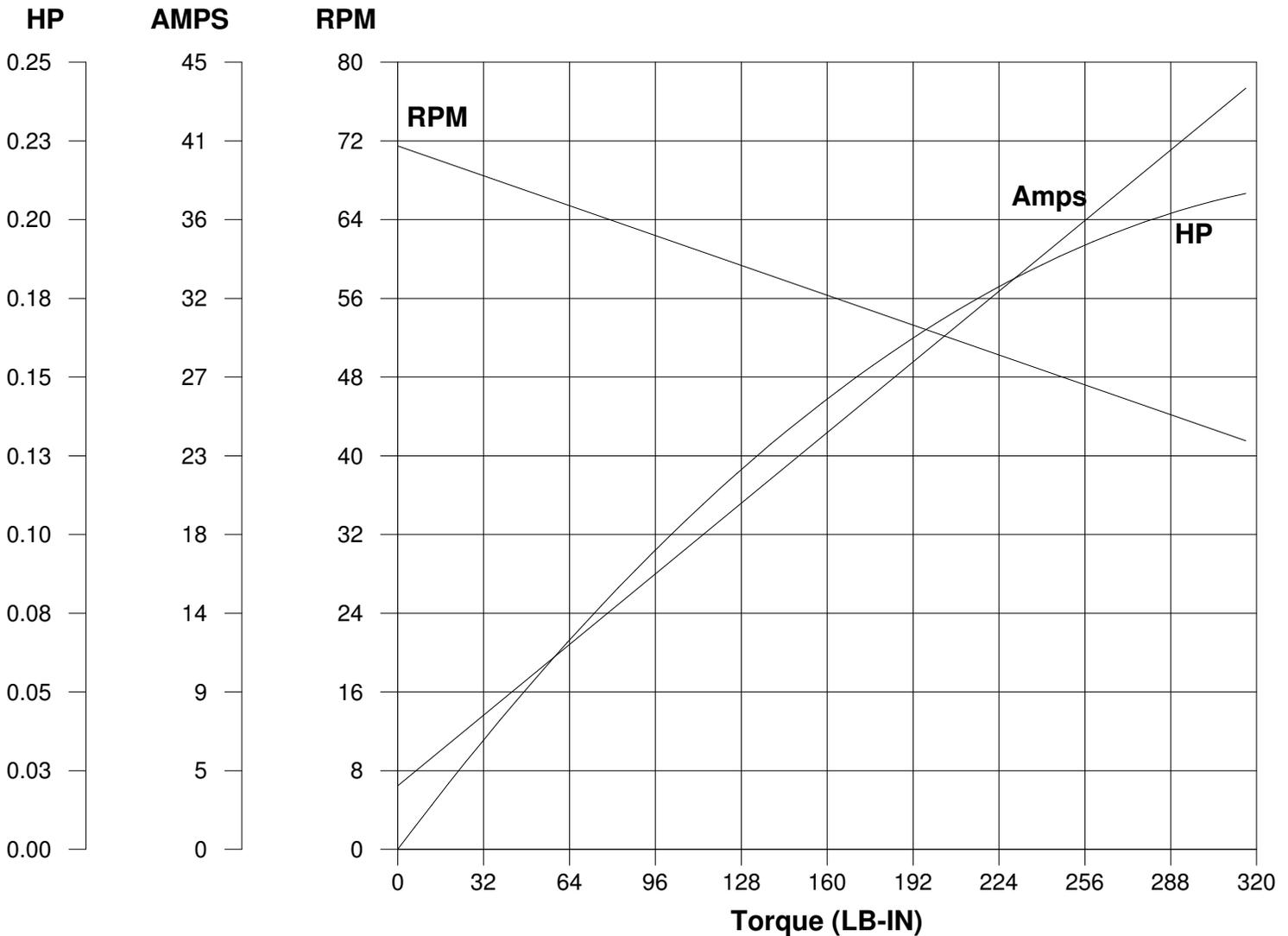
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# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

<b>Model No.</b> <u>CM34D17NZ36</u>	<b>Catalog No.</b> <u>M1135297.00</u>	
<b>HP</b> <u>0.250</u>	<b>RPM</b> <u>58</u>	<b>DC Volts</b> <u>12.0</u>
<b>F.F.</b> <u>1.00</u>	<b>Encl</b> <u>TENV</u>	<b>N.P. FLA</b> <u>24.00</u>
<b>Max. Amb.</b> <u>40.0 Deg C</u>	<b>Insul.</b> <u>H</u>	<b>Type</b> <u>DN</u>
	<b>Frame</b> <u>34</u>	<b>S.F.</b> <u>1.00</u>
		<b>Duty</b> <u>CONT</u>



**Ra** 0.07600 Ohms  
**La** 0.2780 mHenrys  
**Ja** 8.372 OZ-IN<sup>2</sup>  
**Ke** 5.389 V/KRPM

**Kt** 0.4555 LB-IN/AMP  
**Imax** 206.9 AMPS Allowed  
**FL Torque** 158.0 LB-IN  
**FL EFF** 37.30 %

**Winding W-** MD342381-1      **Prepared by** V. Boehlen      **Date** 12-09-2005