

# PRODUCT INFORMATION PACKET



Model No: M1135252.00  
Catalog No: M1135252.00  
Right Angle Gearmotor, 0.25 HP, 12 V, 125 RPM, 34 Frame, TENV



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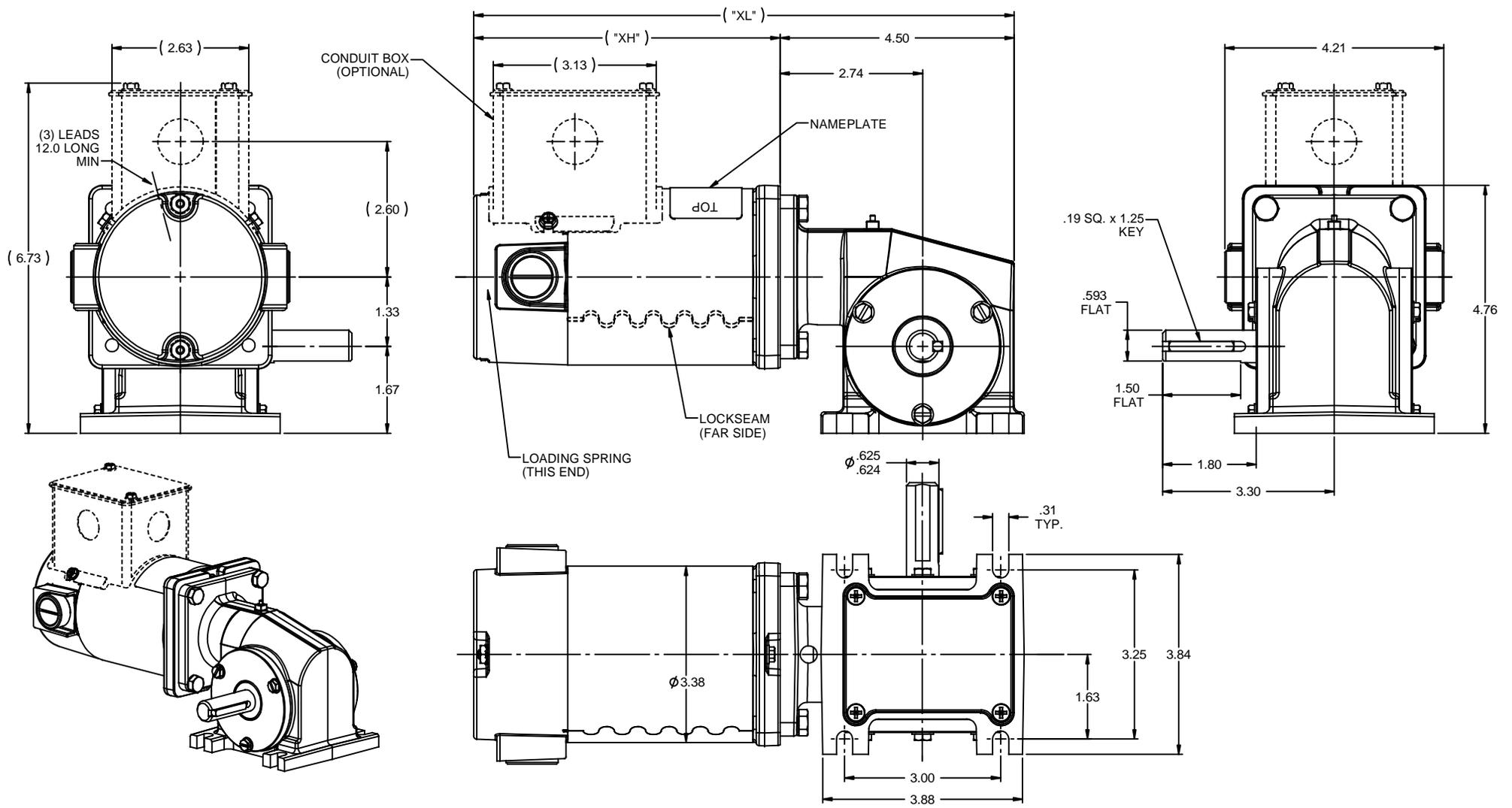
**Nameplate Specifications**

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	12 V	Speed	125 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No Protection
Efficiency	38.6 %	Ambient Temperature	40 °C
Current	21.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6201
Opp Drive End Bearing Size	608	UL	Recognized
CSA	Y	CE	N

**Technical Specifications**

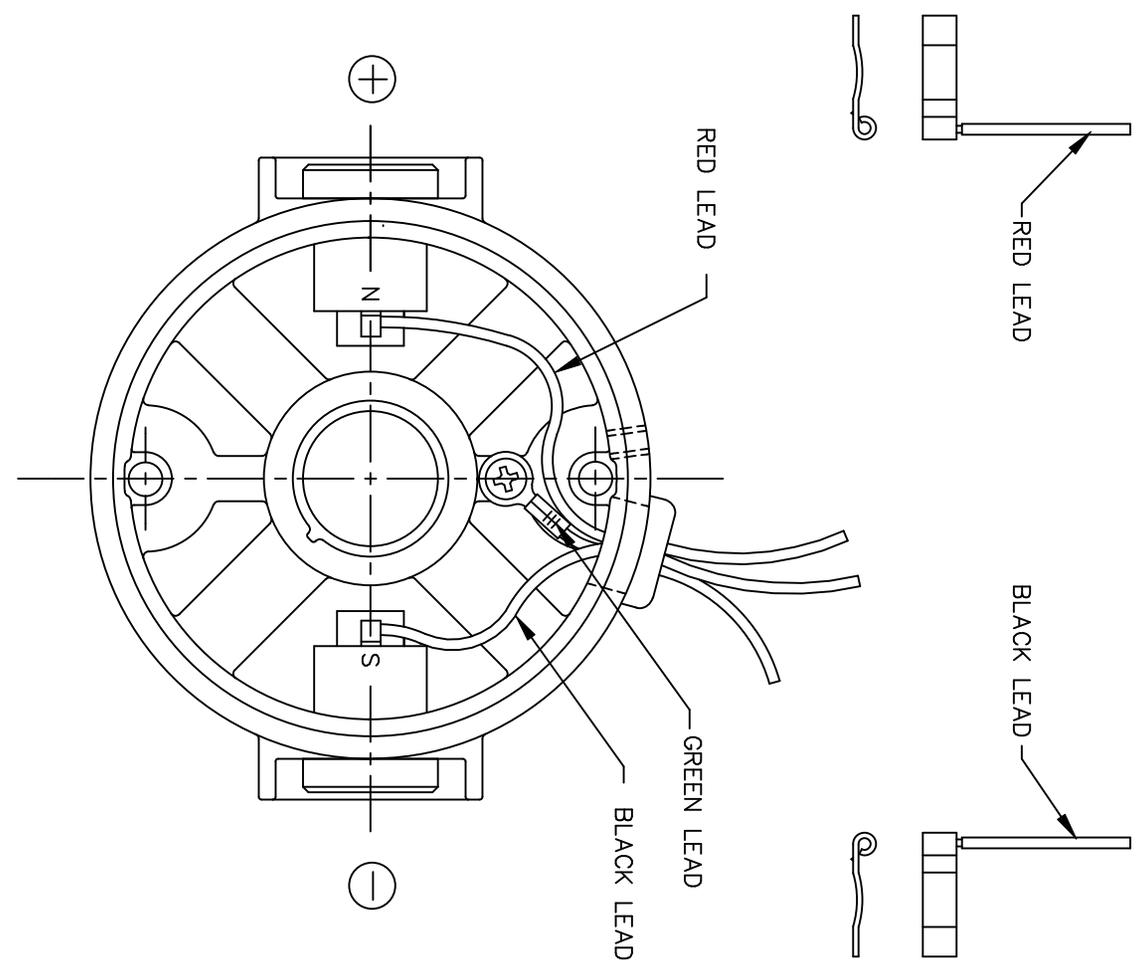
Rotation	Reversible	Mounting	Special
Shaft Type	Right Angle	Overall Length	12.64 in
Frame Length	5.81 in	Shaft Diameter	0.625 in
Shaft Extension	1.8 in	Torque	90 LB-IN
Outline Drawing	M1030810-M1135252	Connection Drawing	M100514301

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CATALOG NUMBER	SPEED RANGE RPM	FULL LOAD TORQUE LB-IN	INPUT H.P.	OVERHUNG LOAD LBS.	GEAR MOTOR TYPE & FRAME	RATIO	"XH"	"XL"	TOLERANCES UNLESS SPECIFIED		TITLE	DRAWN										
									DEC	INCHES			CHK	DATE	APPR	SCALE	REF	PAGE				
M1135249.00	42-7	80	1/8	235	13F60-34C	60:1	5.89	10.39	--	REDRAWN IN SOLIDWORKS	PG 8/17/10	IPG 1/23/01										
M1135250.00	250-4	25	1/8	235	13F10-34C	10:1	5.89	10.39	07	CHANGED TO DIE CAST GEARBOX. ECN 06-3023	RPB 7/12/06	SAD 1/23/01										
M1135251.00	62-1	135	1/4	235	13F40-34G	40:1	8.14	12.64	NO			9:16										
M1135252.00	125-2.1	90	1/4	235	13F20-34G	20:1	8.14	12.64				M1030350										
<table border="0" style="width:100%"> <tr> <td style="text-align:center">REVISION</td> <td style="text-align:center">BY &amp; DATE</td> <td style="text-align:center">CHK ANG ±1/2"</td> <td style="text-align:center">FINISH</td> <td style="text-align:center">PAGE OF</td> </tr> <tr> <td style="text-align:center">THIRD ANGLE PROJECTION</td> <td style="text-align:center">RFP</td> <td style="text-align:center">PREV</td> <td style="text-align:center">NETWORK FILE NAME M1030810</td> <td style="text-align:center">REV</td> </tr> </table>												REVISION	BY & DATE	CHK ANG ±1/2"	FINISH	PAGE OF	THIRD ANGLE PROJECTION	RFP	PREV	NETWORK FILE NAME M1030810	REV	
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				<b>B</b>	M1030810																	

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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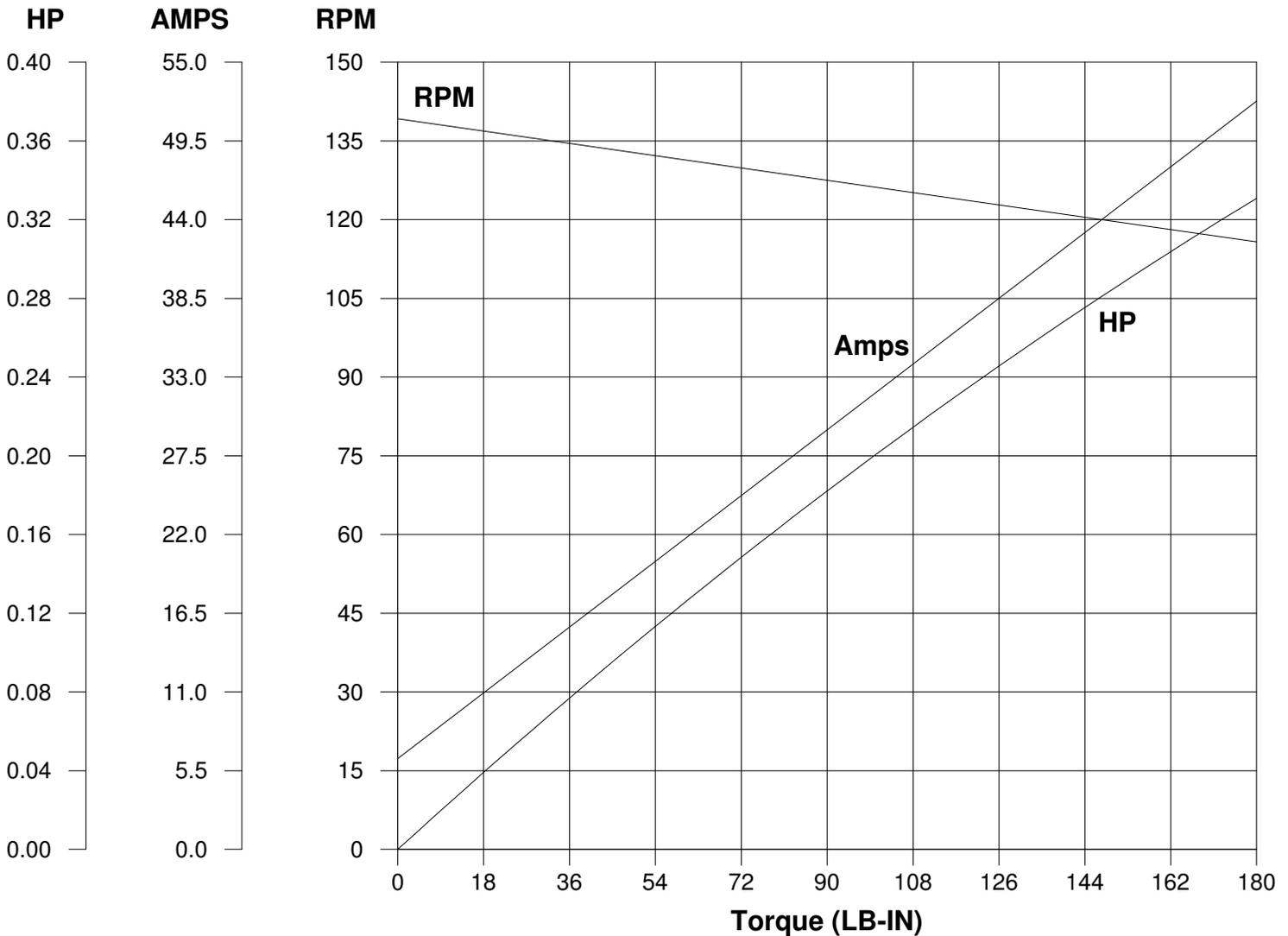
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# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

<b>Model No.</b> <u>CM34D25NZ161</u>	<b>Catalog No.</b> <u>M1135252.00</u>	
<b>HP</b> <u>0.250</u>	<b>RPM</b> <u>125</u>	<b>DC Volts</b> <u>12.0</u>
<b>F.F.</b> <u>1.00</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>F</u>	<b>Frame</b> <u>34</u>
		<b>N.P. FLA</b> <u>21.00</u>
		<b>S.F.</b> <u>1.00</u>
		<b>Duty</b> <u>Cont</u>



**Ra** 0.05300 Ohms  
**La** 0.1200 mHenrys  
**Ja** 0.6440 LB-IN<sup>2</sup>  
**Ke** 4.139 V/KRPM

**Kt** 0.3498 LB-IN/AMP  
**Imax** 344.8 AMPS Allowed  
**FL Torque** 90.00 LB-IN  
**FL EFF** 38.60 %

**Winding W-** MD342107-1      **Prepared by** V. Boehlen      **Date** 12-07-2005