

PRODUCT INFORMATION PACKET



Model No: M1135251.00
Catalog No: M1135251.00
Right Angle Gearmotor, 0.25 HP, 12 V, 62 RPM, 34 Frame, TENV



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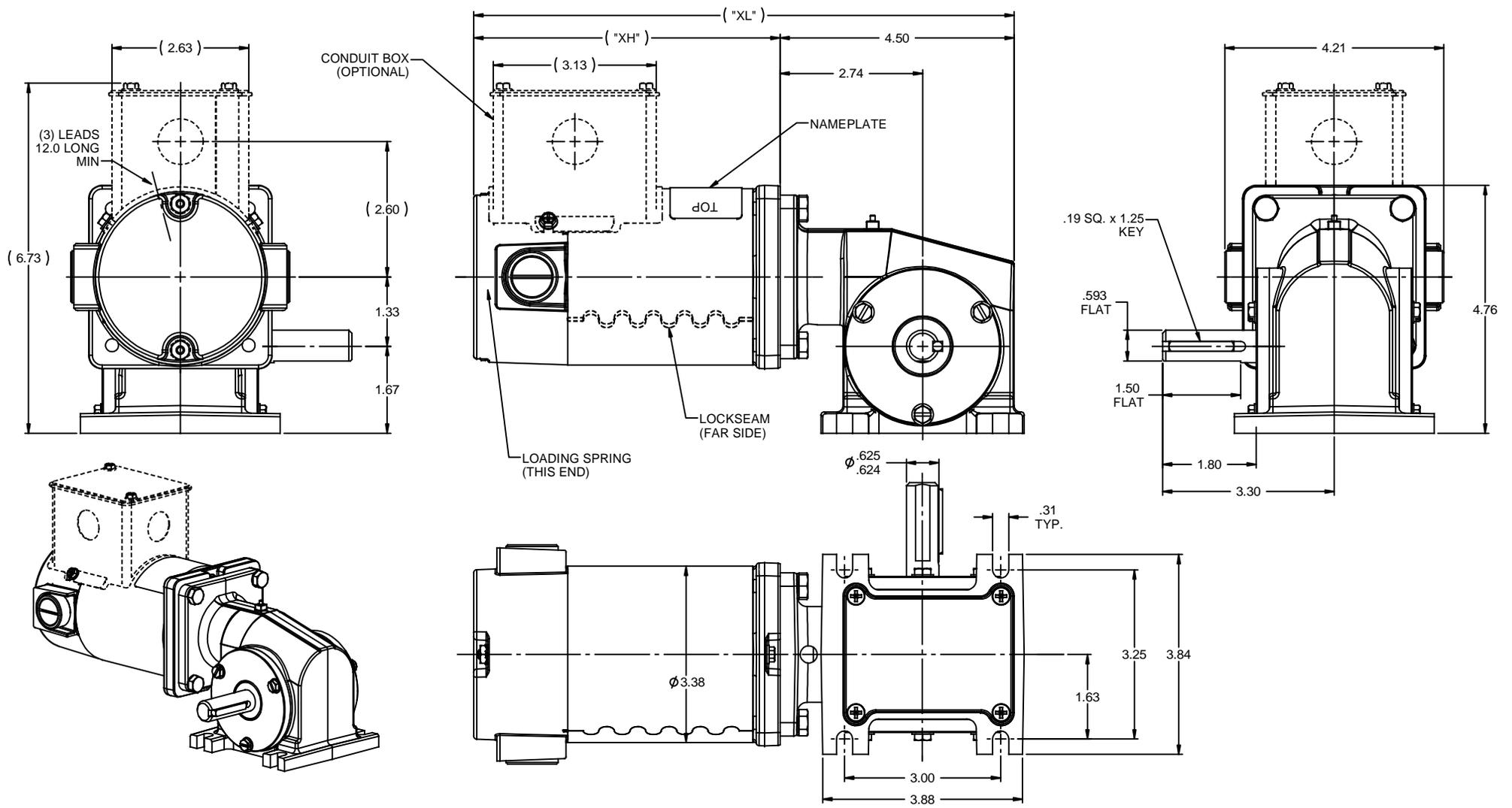
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	12 V	Speed	62 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventiladed	Thermal Protection	No Protection
Efficiency	30 %	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

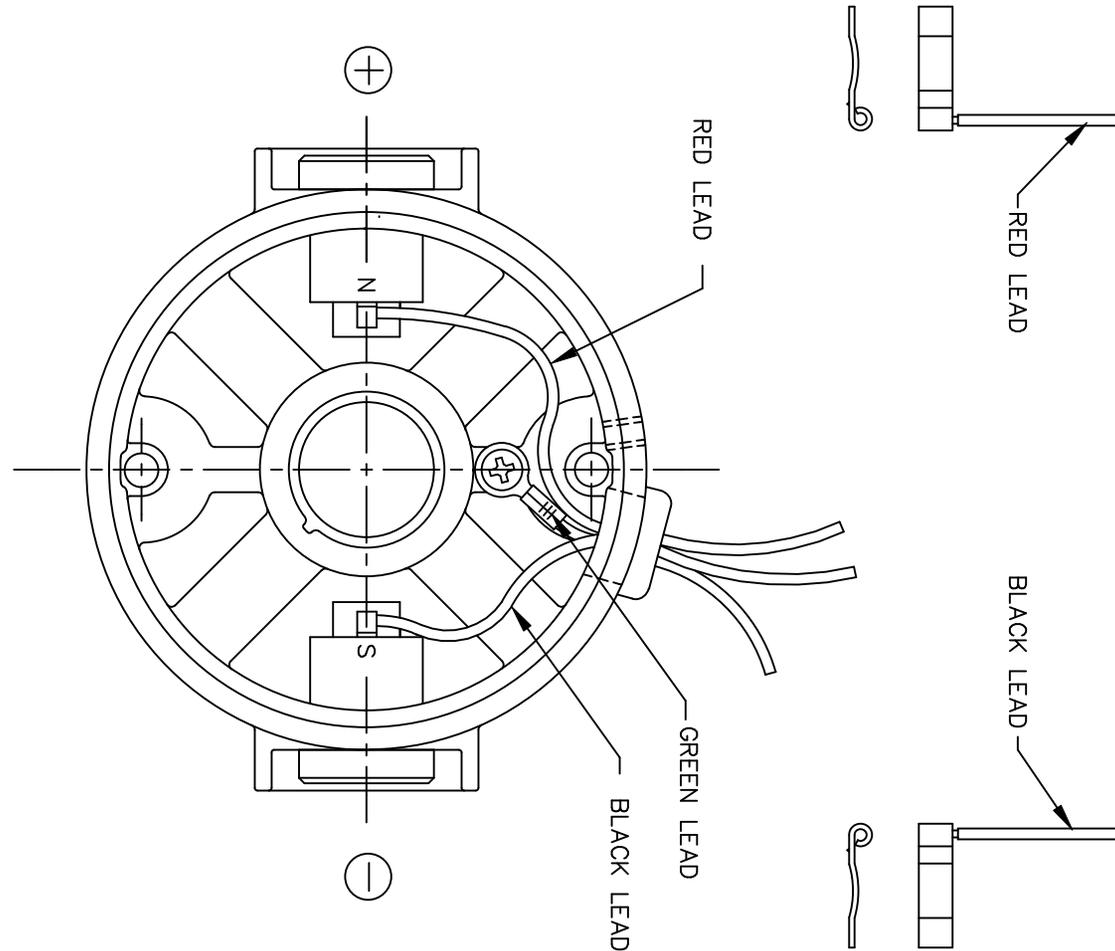
Rotation	Reversible	Mounting	Special
Shaft Type	Right Angle	Overall Length	12.64 in
Frame Length	5.81 in	Shaft Diameter	0.625 in
Shaft Extension	1.8 in	Torque	135 LB-IN
Outline Drawing	M1030810-M1135251	Connection Drawing	M100514301

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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		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN IPG 1/23/01
									DEC	INCHES		
M1135249.00	42-7	80	1/8	235	13F60-34C	60:1	5.89	10.39	--	±.1	TITLE OUTLINE	CHK
M1135250.00	250-4	25	1/8	235	13F10-34C	10:1	5.89	10.39	07	±.03	34 FRAME DC - 13 SERIES 12 V. GEARMOTOR	APPR SAD 1/23/01
M1135251.00	62-1	135	1/4	235	13F40-34G	40:1	8.14	12.64	NO	±.005	REF M1030350	SCALE 9:16
M1135252.00	125-2.1	90	1/4	235	13F20-34G	20:1	8.14	12.64	NO	±.0005	FMF M1135249.00	PAGE OF
REVISION									BY & DATE	CHK ANG ±1/2"	FINISH	
THIRD ANGLE PROJECTION									RFP	PREV	SIZE	DRAWING NO
									NETWORK FILE NAME	M1030810	B	M1030810
												REV

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		LEESON 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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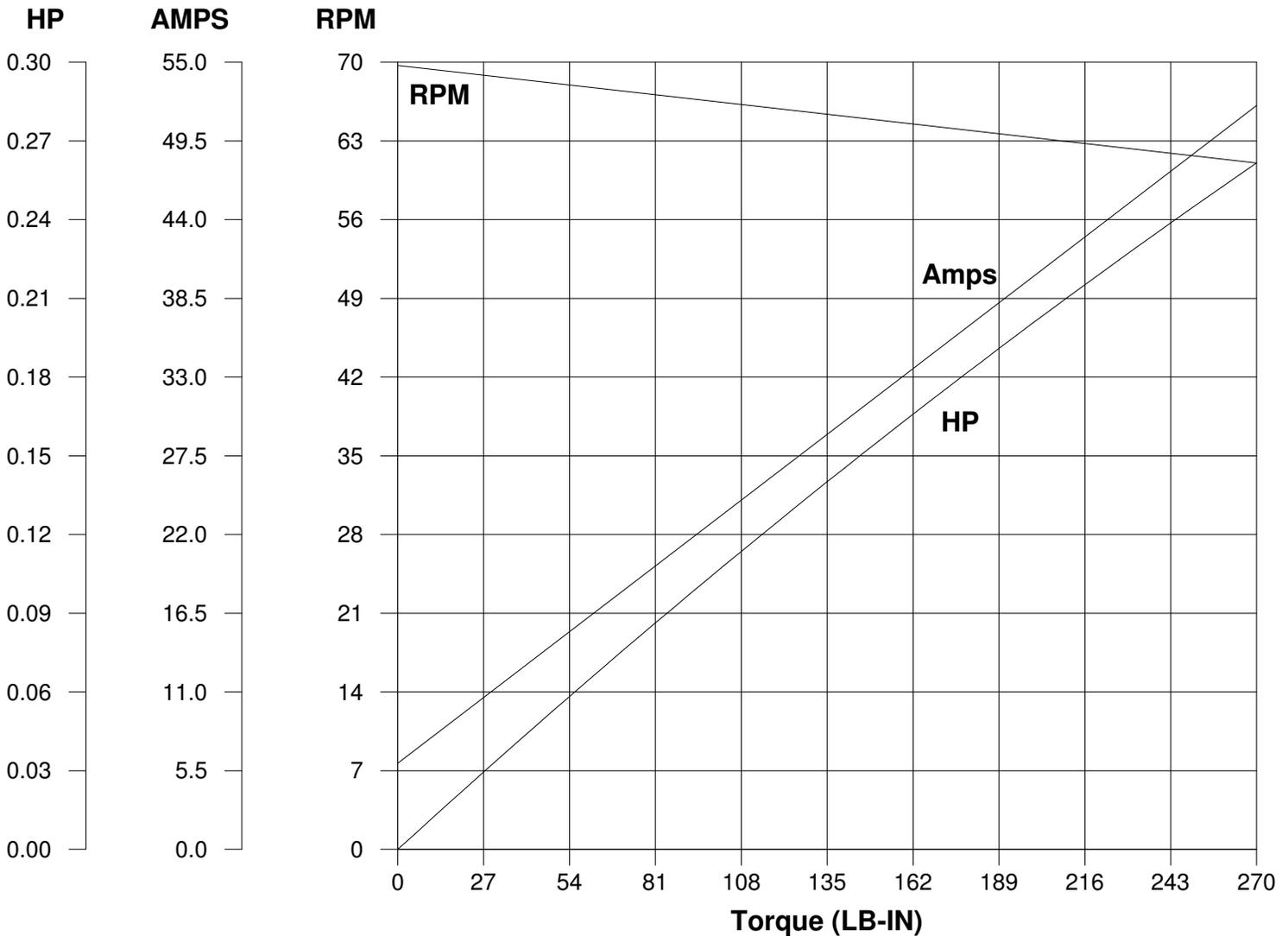
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LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CM34D25NZ160</u>	Catalog No. <u>M1135251.00</u>	
HP <u>0.250</u>	RPM <u>62</u>	DC Volts <u>12.0</u>
F.F. <u>1.00</u>	Encl <u>TENV</u>	N.P. FLA <u>21.00</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Type <u>DN</u>
	Frame <u>34</u>	S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra 0.05300 Ohms
La 0.1200 mHenrys
Ja 0.6440 LB-IN²
Ke 4.139 V/KRPM

Kt 0.3498 LB-IN/AMP
Imax 344.8 AMPS Allowed
FL Torque 135.0 LB-IN
FL EFF 30.00 %

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