

PRODUCT INFORMATION PACKET



Model No: M1135043.00
Catalog No: M1135043.00
0.25 HP DC Gearmotor, 83 RPM, 90 V, 34 Frame, TENV
Other Right Angle DC Gearmotors



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The Regal logo is located in the bottom right corner. It features the word "REGAL" in a white, sans-serif font, set within a dark grey, trapezoidal shape. The background of the page features a vertical blue gradient with a halftone dot pattern on the right side.



Nameplate Specifications

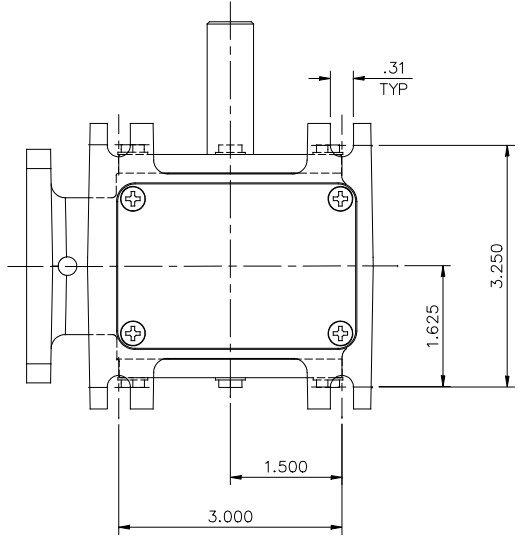
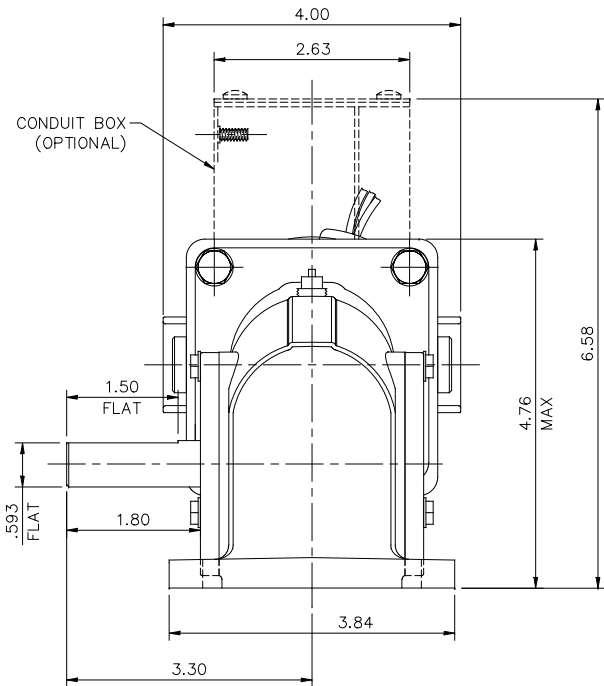
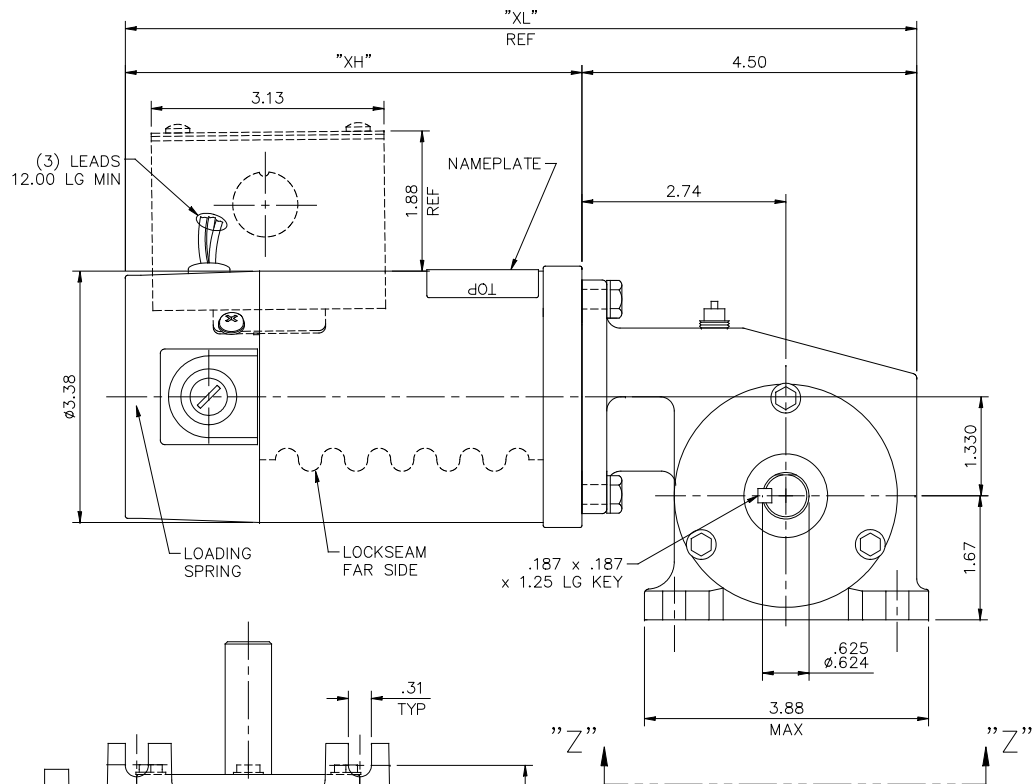
Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Current	2.3 A
Speed	83 rpm	Service Factor	1
Efficiency	34.4 %	Duty	Continuous
Insulation Class	H	Frame	34
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No
Ambient Temperature	40 °C	Drive End Bearing Size	6201
Opp Drive End Bearing Size	6201	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		
Outline Drawing	M1030350-M1135043	Connection Drawing	M100512401

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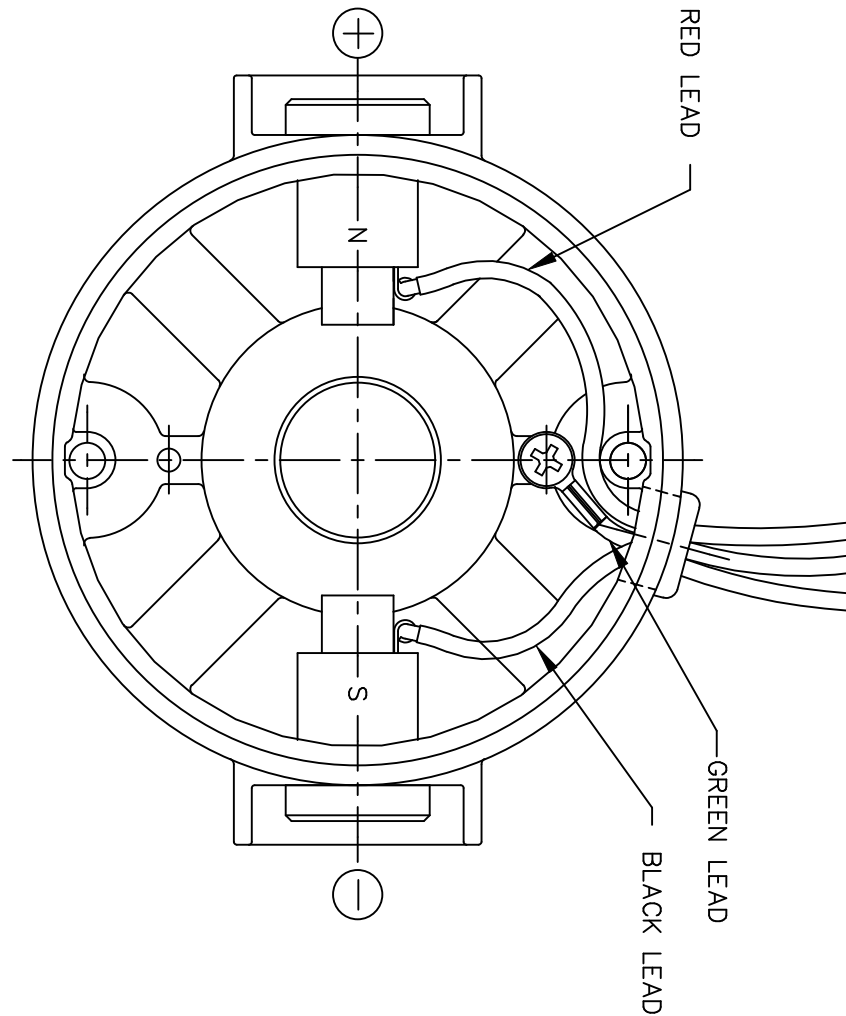
M1030350



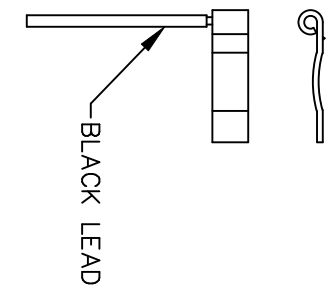
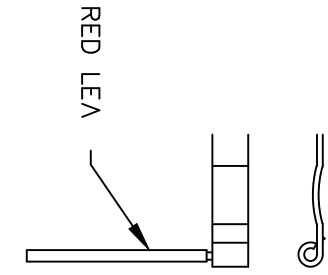
CATALOG NUMBER	SPEED RANGE RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XH"	"XL"
M1135046.00	500-8	30	1/4	235	13F05-34G	5	8.14	12.64
M1135045.00	250-4	50	1/4	235	13F10-34G	10	8.14	12.64
M1135044.00	125-2.1	90	1/4	235	13F20-34G	20	8.14	12.64
M1135043.00	83-1.4	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		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DWF 11/30/93			
		DEC.	INCHES			CHK	APPD		
		.X	±.1	TITLE		SCALE	5=8		
		.XX	±.03	OUTLINE 34 FRAME DC		REF	M1135049.99		
		.XXX	±.005	13 SERIES 90V GEARMOTOR		FMF	M1135046.00		
Y	REMOVED 1/8 HP RATINGS FROM TABLE, ECO-0173505	IPG	9/13/19	.XXXX	±.0005	MAT'L.	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.	REV.
				DIST			B	M1030350	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



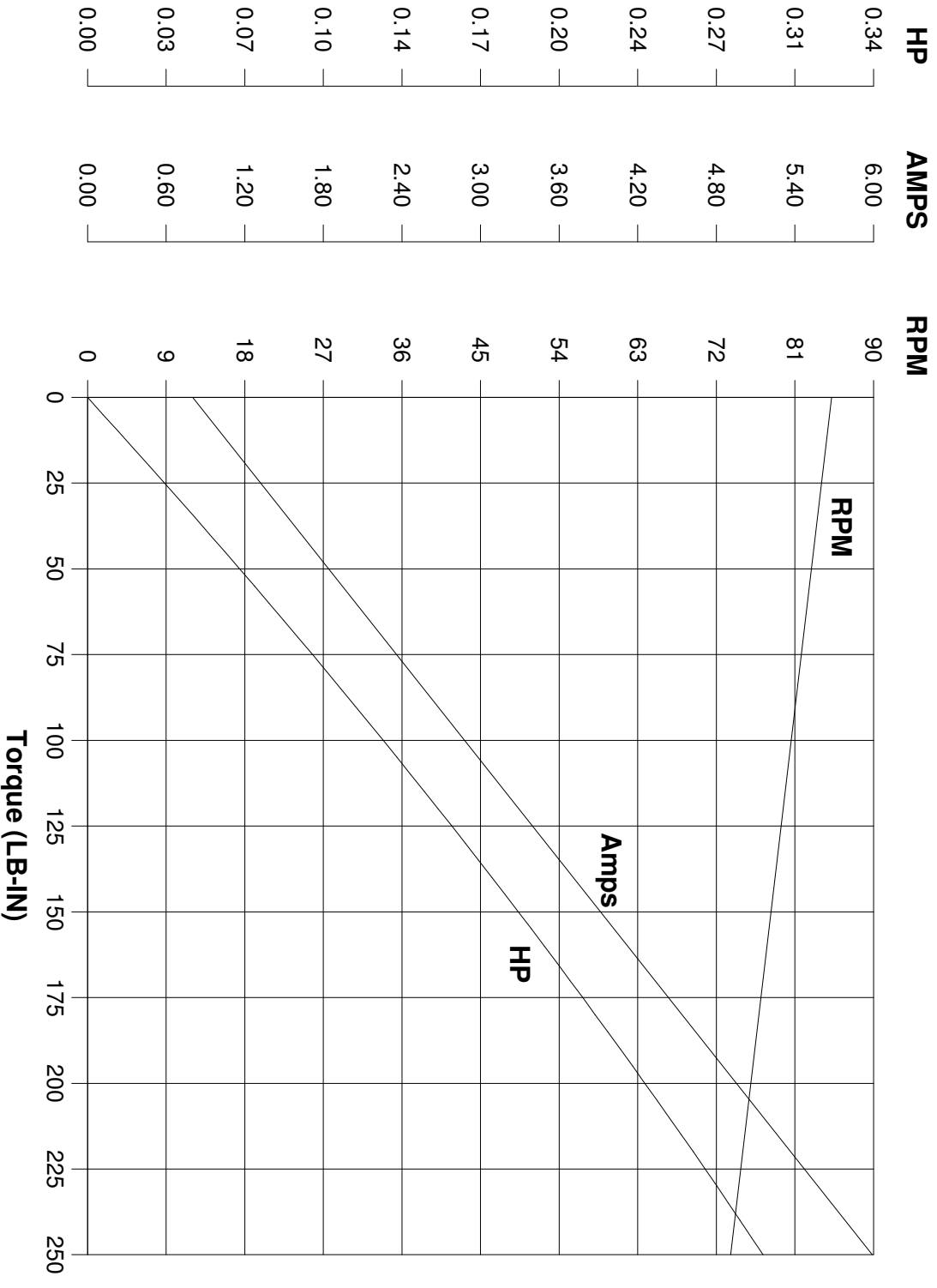
07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	SPV 12/10/91
06	REMOVED GROUND HOLE	TMZ	3/16/95	DEC.	INCHES				CHK	DWF 5/20/92
05	REVERSE ROTATION WAS CW	SPV	6/3/94	.X	±.1		TITLE	CONNECTION DIAGRAM	APPD	
04	CHANGED ROTATION 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	
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

Model No. CM34D25NZ11 Catalog No. M1135043.00

HP 0.250 RPM 83 DC Volts 90.0 N.P. FLA 2.30
 F.F. 1.38 Encl TENV Type DN S.F. 1.00
 Max. Amb. 40.0 Deg C Insul. H Frame 34 Duty Cont



Ra <u>2.0400</u> Ohms	Kt <u>2.916</u> LB-IN/AMP
La <u>9.984</u> mHenrys	Imax <u>38.4</u> AMPS Allowed
Ja <u>0.6440</u> LB-IN ^{1/2}	FL Torque <u>125.0</u> LB-IN
Ke <u>34.50</u> V/KRPM	FL EFF <u>39.60</u> %

Winding W- MD342145-1 Prepared by V. Boehlen Date 11-30-2005