

PRODUCT INFORMATION PACKET



Model No: M1135045.00
Catalog No: M1135045.00
0.25 HP DC Gearmotor, 250 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, bold, sans-serif font, set against a dark grey, trapezoidal background. The background of the entire page on the right side is a blue gradient with a halftone dot pattern.



Nameplate Specifications

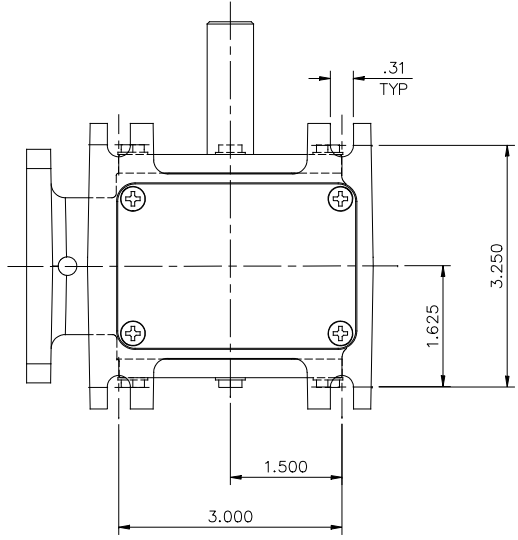
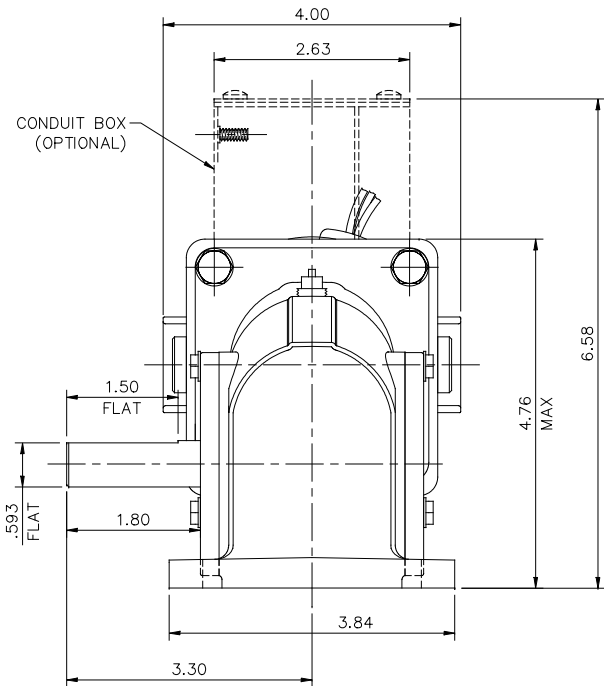
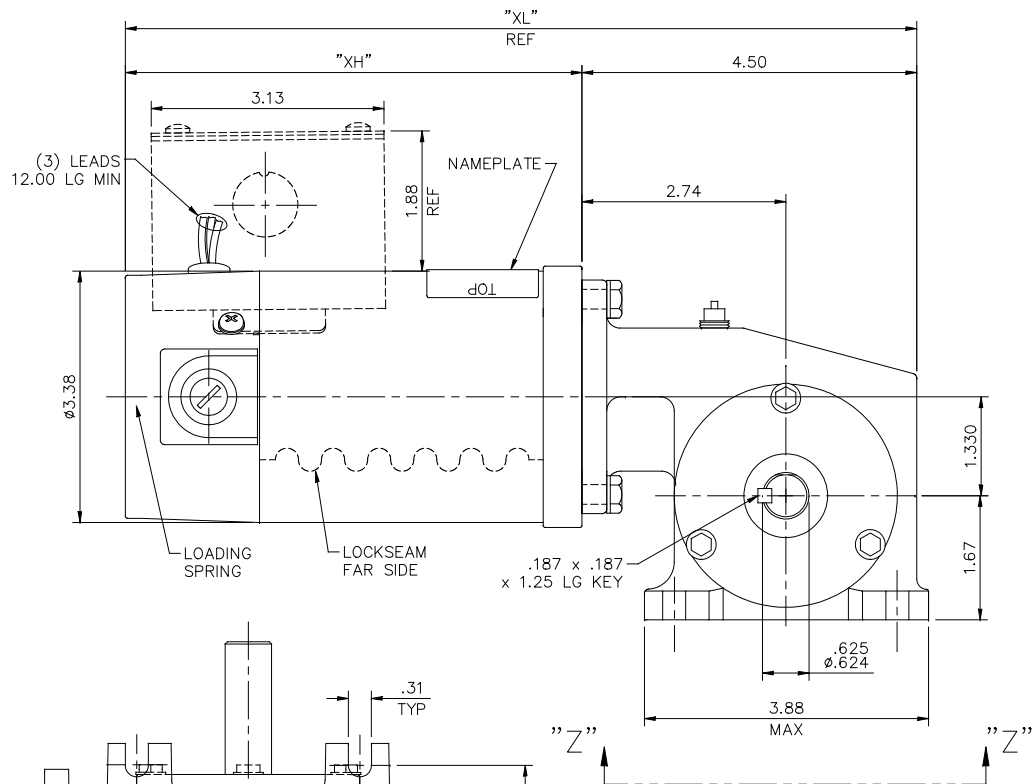
Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Current	2.3 A
Speed	250 rpm	Service Factor	1
Efficiency	37.9 %	Duty	Continuous
Insulation Class	H	Frame	34
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No
Ambient Temperature	40 °C	Drive End Bearing Size	6201
Opp Drive End Bearing Size	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		
Connection Drawing	M100512401	Outline Drawing	M1030350-M1135045

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M1030350



VIEW Z-Z

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

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	LEESON	DRAWN DWF 11/30/93
					DEC.	INCHES			
					.X	±.1			CHK
					.XX	±.03			APPD
					.XXX	±.005			SCALE 5=8
					.XXXX	±.0005			REF M1135049.99
Y	REMOVED 1/8 HP RATINGS FROM TABLE, ECO-0173505	IPG 9/13/19							FMF M1135046.00
			RFP				LEESON		PREV
			DIST				CAD FILE M1030350		DRAWING NO. B M1030350
									REV. Y

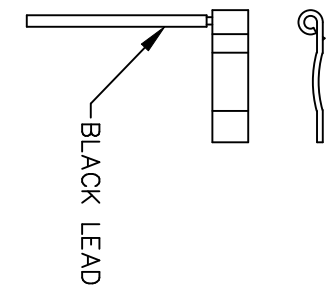
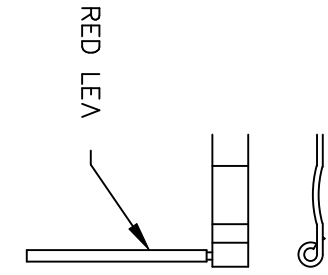


ELECTRIC MOTORS
GEARMOTORS
AND DRIVES


TITLE
OUTLINE 34 FRAME DC
13 SERIES 90V GEARMOTOR

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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		REF				
02	ADDED GREEN LEAD	DWF	8/1/92	.XXXX	±.0005		MAT'L.		FMF M9131D2N22		
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			M100512401	SIZE	DRAWING NO.	REV.
				DIST				A	M1005124.01	07	

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

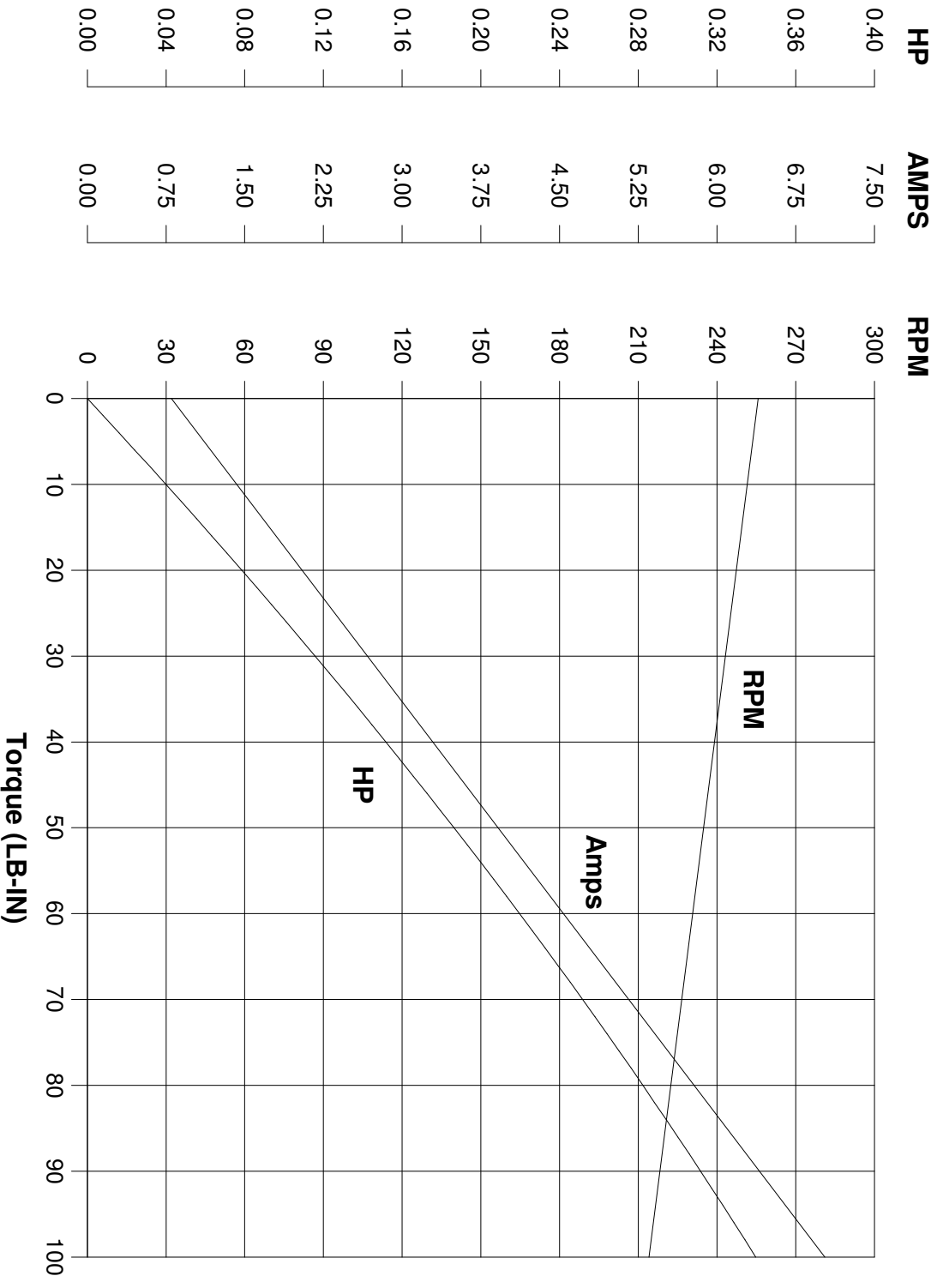
Model No. CM34D25NZ13

Catalog No. M1135045.00

HP 0.250 RPM 250 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 2.0900 Ohms
 La 9.984 mHenrys
 Ja 0.6440 LB-IN^{v2}
 Ke 34.50 V/KRPM

Kt 2.916 LB-IN/AMP
 I_{max} 38.3 AMPS Allowed
 FL Torque 50.00 LB-IN
 FL EFF 39.40 %

Winding W- MD342145-1 Prepared by S. Bernhardt Date 04-22-2008