

PRODUCT INFORMATION PACKET



Model No: M1135064.00
Catalog No: M1135064.00
Right Angle Gearmotor, 0.25 HP, 180 V, 125 RPM, 34 Frame, TENV



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Nameplate Specifications

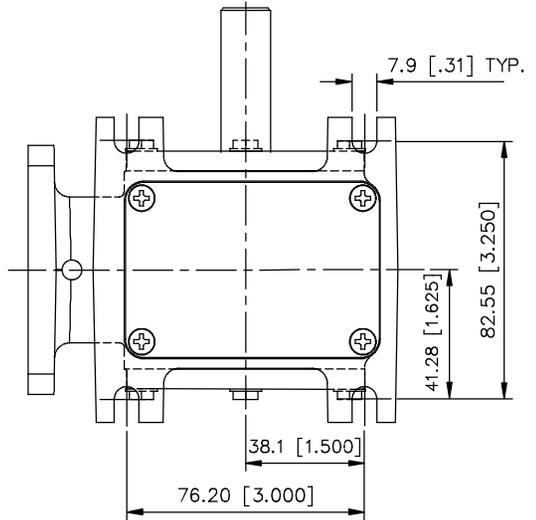
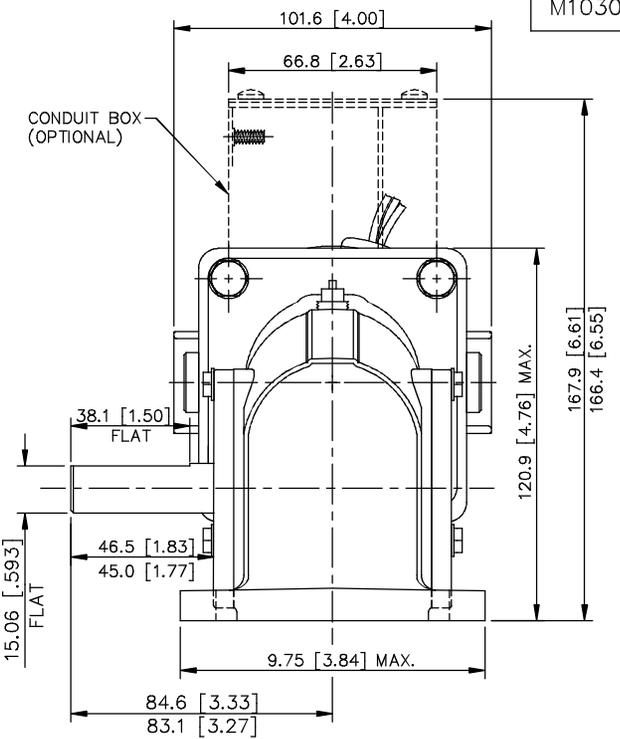
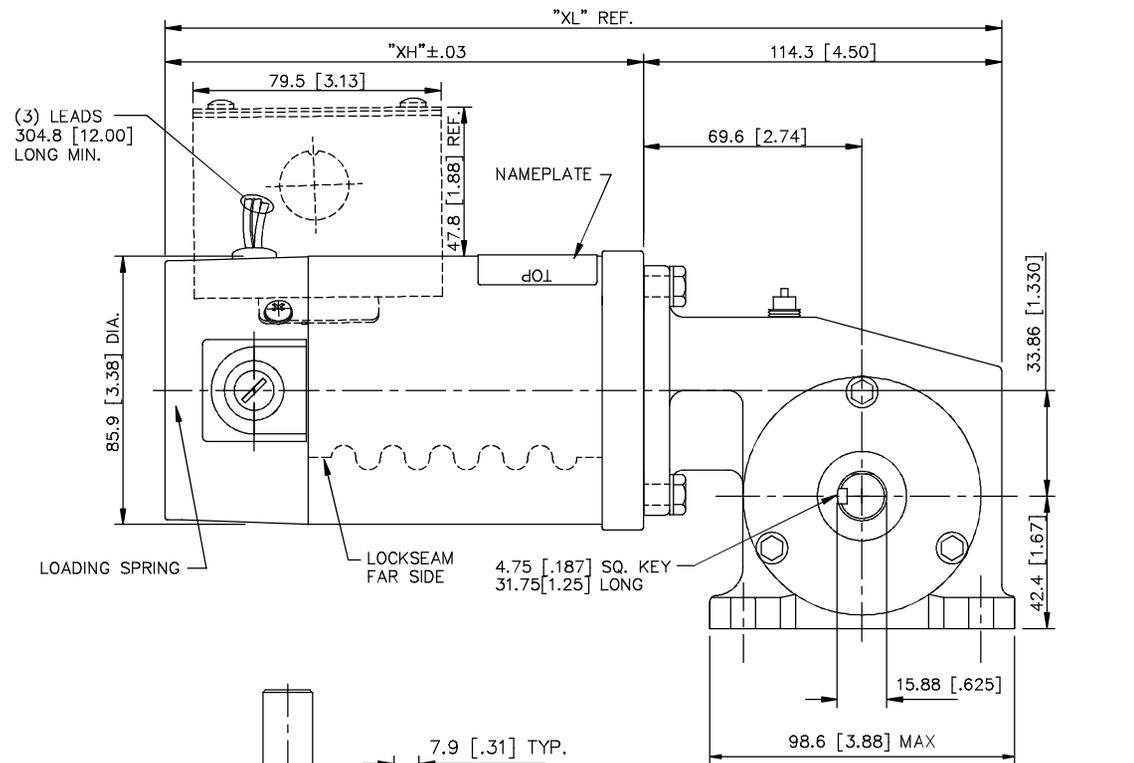
Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	180 V	Speed	125 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	39.5 %	Ambient Temperature	40 °C
Current	1.3 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	6201
Opp Drive End Bearing Size	608	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	Torque	90 LB-IN
Connection Drawing	M100512401	Outline Drawing	M1030443-M1135064

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M1030443.00

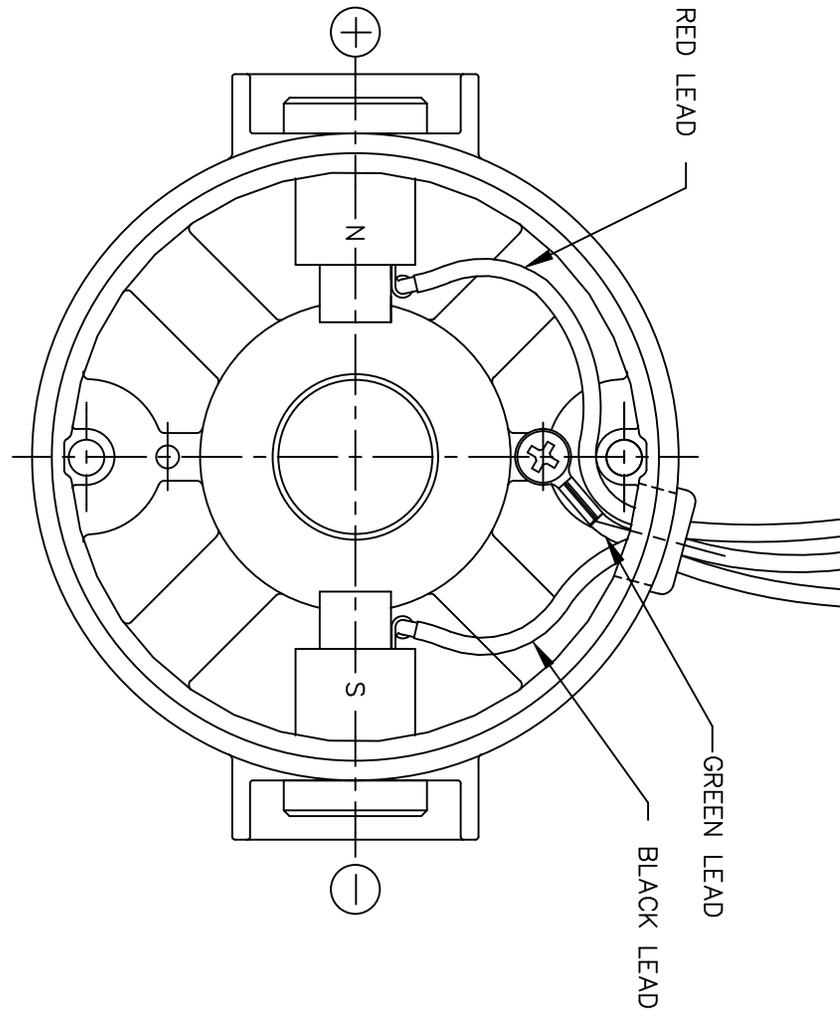


VIEW Z - Z

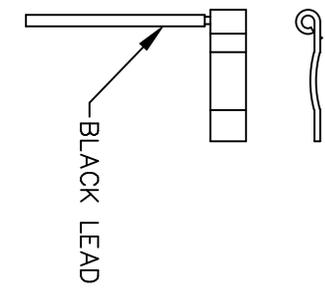
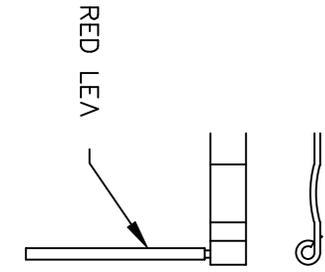
CATALOG NUMBER	SPEED RANGE RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XH"	"XL"
M1135053.00	42-7	30	1/12	235	13F60-34A	60	130.6 [5.14]	244.9 [9.64]
M1135054.00	62-1	35	1/12	235	13F40-34A	40	130.6 [5.14]	244.9 [9.64]
M1135055.00	125-2.1	18	1/12	235	13F20-34A	20	130.6 [5.14]	244.9 [9.64]
M1135056.00	250-4	12	1/12	235	13F20-34A	10	130.6 [5.14]	244.9 [9.64]
M1135057.00	500-8	7	1/12	235	13F20-34A	5	130.6 [5.14]	244.9 [9.64]
M1135058.00	62-1	70	1/8	235	13F40-34C	40	156.0 [6.14]	270.3 [10.64]
M1135059.00	125-2.1	45	1/8	235	13F20-34C	20	156.0 [6.14]	270.3 [10.64]
M1135060.00	250-4	25	1/8	235	13F10-34C	10	156.0 [6.14]	270.3 [10.64]
M1135061.00	500-8	13	1/8	235	13F05-34C	5	156.0 [6.14]	270.3 [10.64]
M1135062.00	62-1	135	1/4	235	13F40-34G	40	206.8 [8.14]	321.1 [12.64]
M1135063.00	83-1.4	125	1/4	235	13F30-34G	30	206.8 [8.14]	321.1 [12.64]
M1135064.00	125-2.1	90	1/4	235	13F20-34G	20	206.8 [8.14]	321.1 [12.64]
M1135065.00	250-4	50	1/4	235	13F10-34G	10	206.8 [8.14]	321.1 [12.64]
M1135066.00	500-8	30	1/4	235	13F05-34G	5	206.8 [8.14]	321.1 [12.64]

07	CHANGED TO DIE CAST GEARBOX PER ECN 06-3023.	RPB 7/11/06	BC	TOLERANCES UNLESS SPECIFIED		DRAWN	SPV 05/11/95		
06	CORRECTED VIEW "Z-Z" PER OTHER TWO VIEWS PER ECR 73469	BPW 03/14/02	SAD	DEC. INCHES		CHK			
				.X ±.1		APPD	DWF 05/11/95		
05	CORRECTED LENGTH OF KEY: 1.25 WAS 1.00	IPG 11/15/00		.XX ±.03	TITLE	SCALE	5=8		
04	DIM 1.50 WAS 1.25	SAD 05/04/98		.XXX ±.005	OUTLINE 34 FRAME DC 13 SERIES 180 V. GEARBOX				
03	1.83/1.77 WAS 1.53/1.47, 3.33/3.27 WAS	SAD 05/04/98		.XXXX ±.0005	MAT'L	REF	M1030350		
NO.	REVISION	BY & DATE	CHK	ANG ±1/2"	FINISH	FMF	M1135053.00		
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					LEESON	PREV			
				RFP	CAD FILE	M1030443	SIZE	DRAWING NO.	
				DIST			B	M1030443.00	
								REV.	07

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

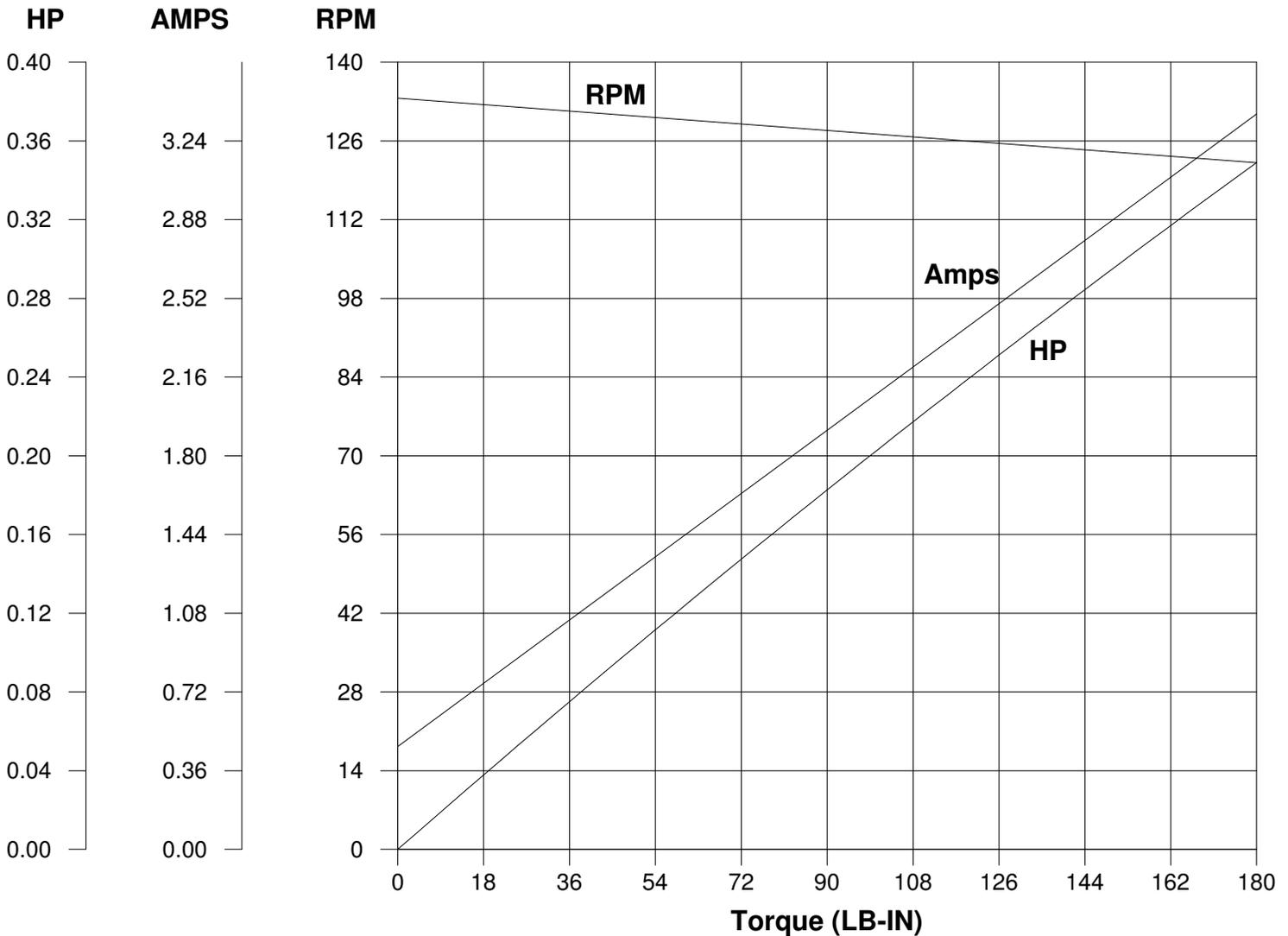


07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	SPV 12/10/91
06	REMOVED GROUND HOLE	TMZ	3/16/95	DEC.	INCHES			CHK	DWF 5/20/92
05	REVERSE ROTATION WAS CW	SPV	6/3/94	.X	±.1		APPD		
04	CHANGED ROTATION FROM CCW TO CW	MJS	3/9/93	.XX	±.01		TITLE	CONNECTION DIAGRAM	
03	REVISED ROTATION NOTE	DWF	1/6/93	.XXX	±.005			SCALE	1=1
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. <u>CM34D25NZ35</u>	Catalog No. <u>M1135064.00</u>	
HP <u>0.250</u>	RPM <u>125</u>	DC Volts <u>180.0</u>
F.F. <u>1.38</u>	Encl <u>TENV</u>	Type <u>DN</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Frame <u>34</u>
		N.P. FLA <u>1.30</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra 8.5400 Ohms
La 37.03 mHenrys
Ja 0.6440 LB-IN²
Ke 65.72 V/KRPM

Kt 5.555 LB-IN/AMP
Imax 20.0 AMPS Allowed
FL Torque 90.00 LB-IN
FL EFF 39.50 %

Winding W- MD342218-2 **Prepared by** V. Boehlen **Date** 12-01-2005