

# PRODUCT INFORMATION PACKET



Model No: M1135116.00  
Catalog No: M1135116.00  
Parallel Shaft Gearmotor, 0.25 HP, 90 V, 250 RPM, 34 Frame, TENV



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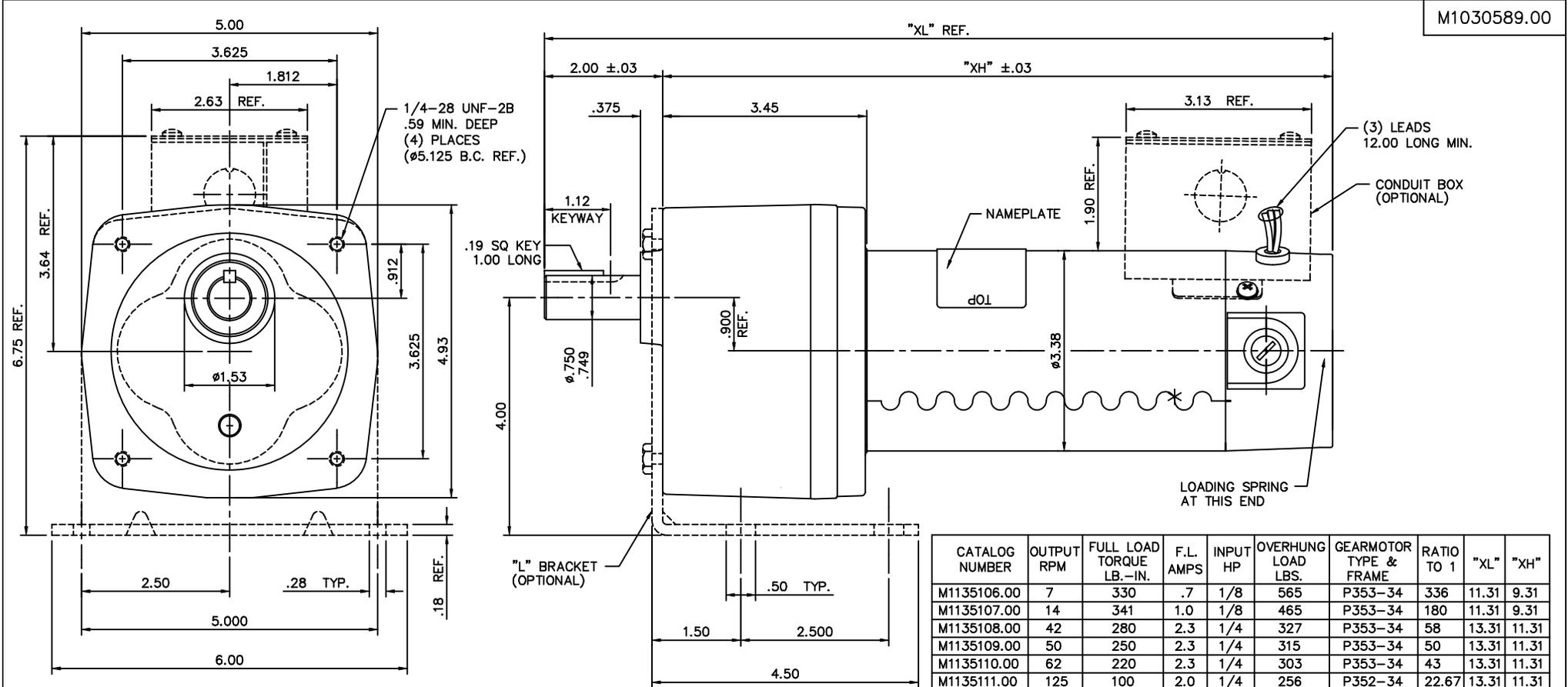
**Nameplate Specifications**

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Speed	250 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	66.5 %	Ambient Temperature	40 °C
Current	2.0 A	Duty	Continuous
Insulation Class	F	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	Parallel	Overall Length	13.31 in
Frame Length	6.06 in	Shaft Diameter	0.750 in
Shaft Extension	1.625 in	Torque	45 LB-IN
Connection Drawing	M100512401	Outline Drawing	M1030589-M1135116

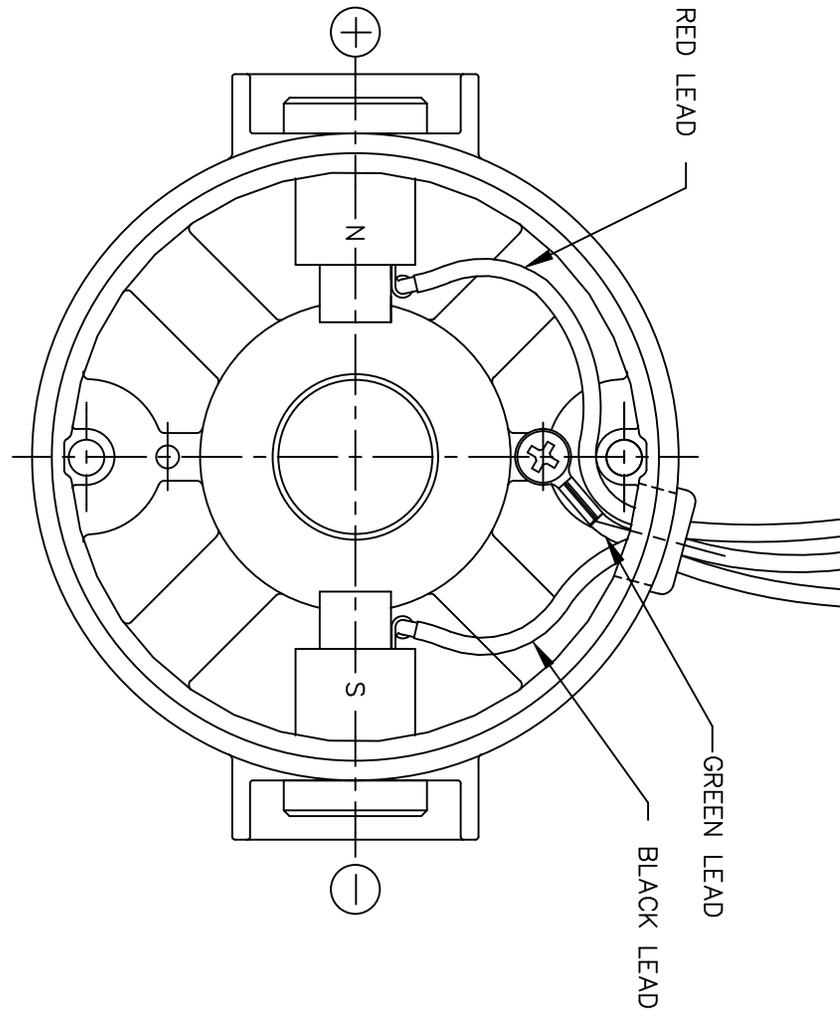
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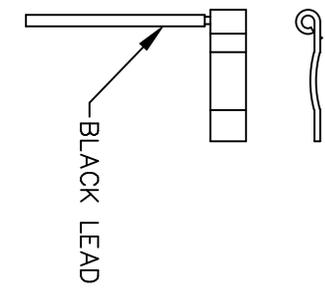
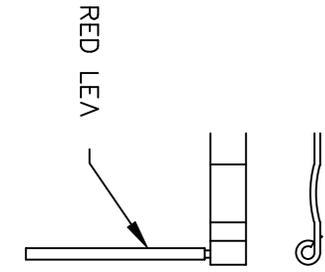
CATALOG NUMBER	OUTPUT RPM	FULL LOAD TORQUE LB.-IN.	F.L. AMPS	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XL"	"XH"
M1135106.00	7	330	.7	1/8	565	P353-34	336	11.31	9.31
M1135107.00	14	341	1.0	1/8	465	P353-34	180	11.31	9.31
M1135108.00	42	280	2.3	1/4	327	P353-34	58	13.31	11.31
M1135109.00	50	250	2.3	1/4	315	P353-34	50	13.31	11.31
M1135110.00	62	220	2.3	1/4	303	P353-34	43	13.31	11.31
M1135111.00	125	100	2.0	1/4	256	P352-34	22.67	13.31	11.31
M1135112.00	165	70	2.0	1/4	232	P352-34	15	13.31	11.31
M1135113.00	500	25	2.0	1/4	194	P352-34	5.44	13.31	11.31
M1135114.00	83	155	2.3	1/4	267	P352-34	29	13.31	11.31
M1135115.00	27	305	1.5	1/4	374	P353-34	91	13.31	11.31
M1135116.00	250	45	2.0	1/4	201	P352-34	10.6	13.31	11.31
M1135117.00	21	371	1.1	1/4	413	P353-34	124	13.31	11.31

		TOLERANCES UNLESS SPECIFIED		<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN DWF 6/26/97	
		DEC.	INCHES			CHK	
		.X	±.1	TITLE		APPD	
03	1/4-28 UNF-2B TAPS WERE .63 DEEP PER ECR81849.	RPB 11/24/03	BC .XX ±.03	OUTLINE		SCALE	5=8
02	1.12 KEYWAY WAS 1.03	IPG 11/30/00	SAD .XXX ±.005	34 FRAME PE350 STOCK - 90 V		REF	PR970354
01	UPDATED TO CATALOG INFORMATION PER KK	CAS 10/31/00	SAD .XXXX ±.0005	MAT'L		FMF	M1135115.00
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	M1030589	SIZE DRAWING NO.
				DIST	B	M1030589.00	REV. 03

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

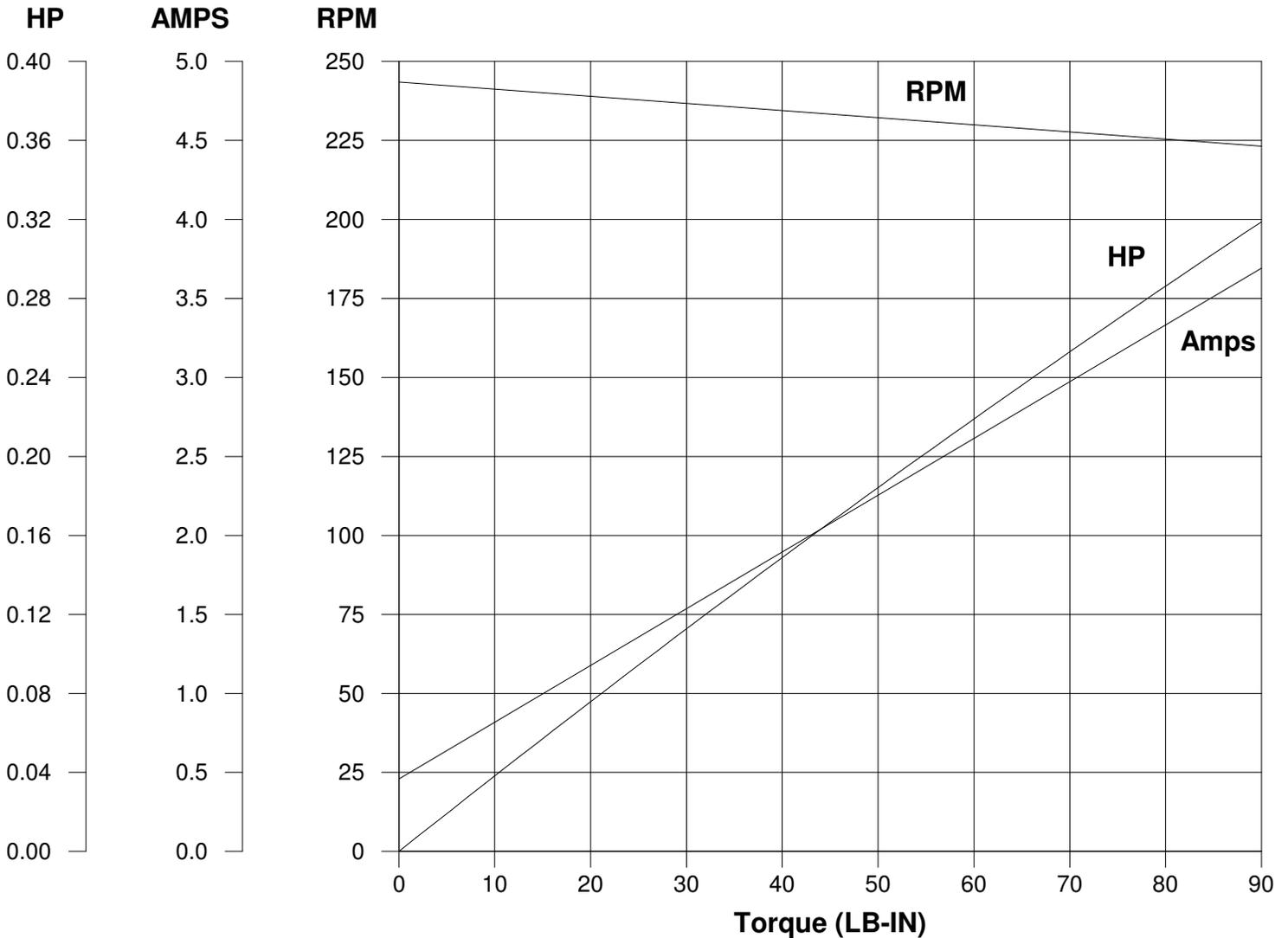


07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	SPV 12/10/91		
06	REMOVED GROUND HOLE	TMZ	3/16/95	DEC.	INCHES				CHK	DWF 5/20/92		
05	REVERSE ROTATION WAS CW	SPV	6/3/94	.X	±.1		TITLE		CONNECTION DIAGRAM	APPD		
04	CHANGED ROTATION FROM CCW TO CW	MJS	3/9/93	.XX	±.01		SCALE		1=1	REF		
03	REVISED ROTATION NOTE	DWF	1/6/93	.XXX	±.005		MAT'L.			FMF M9131D2N22		
02	ADDED GREEN LEAD	DWF	8/1/92	.XXXX	±.0005		FINISH			PREV		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"		CAD FILE		M100512401	SIZE	DRAWING NO.	REV.
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							DIST					

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CM34D25NZ60</u>	Catalog No. <u>M1135116.00</u>	
HP <u>0.250</u>	RPM <u>250</u>	DC Volts <u>90.0</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>F</u>	Frame <u>34</u>
		N.P. FLA <u>2.00</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



<b>Ra</b> <u>2.1000</u> Ohms <b>La</b> <u>10.00</u> mHenrys <b>Ja</b> <u>0.6440</u> LB-IN <sup>2</sup> <b>Ke</b> <u>34.50</u> V/KRPM	<b>Kt</b> <u>2.916</u> LB-IN/AMP <b>Imax</b> <u>38.4</u> AMPS Allowed <b>FL Torque</b> <u>45.00</u> LB-IN <b>FL EFF</b> <u>66.50</u> %
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Winding W- MD342145-1      Prepared by S. Bernhardt      Date 07-29-2009