

# PRODUCT INFORMATION PACKET



Model No: M1135147.00  
Catalog No: M1135147.00  
Parallel Shaft Gearmotor, 0.25 HP, 180 V, 125 RPM, 34 Frame, TENV



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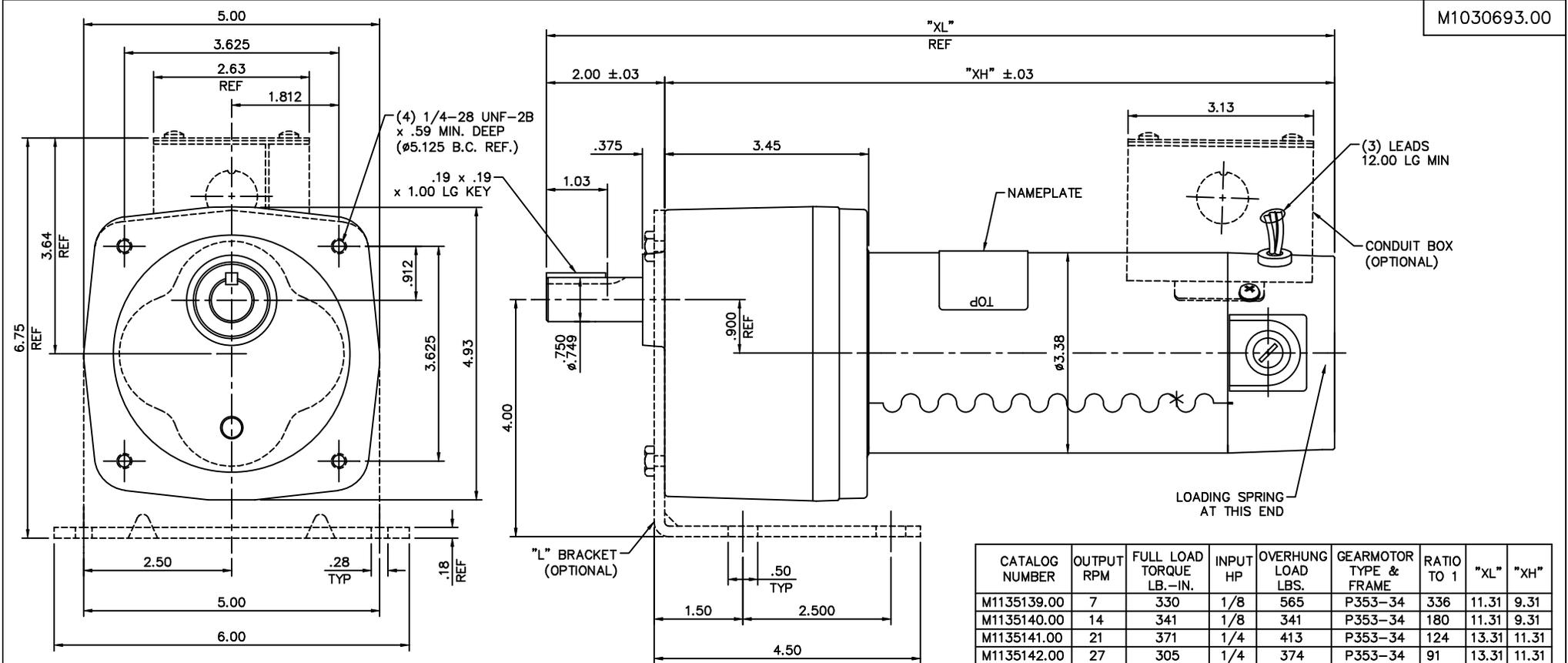
**Nameplate Specifications**

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	63.2 %	Ambient Temperature	40 °C
Current	1.0 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	100 LB-IN
Connection Drawing	M100512401	Outline Drawing	M1030693-M1135147

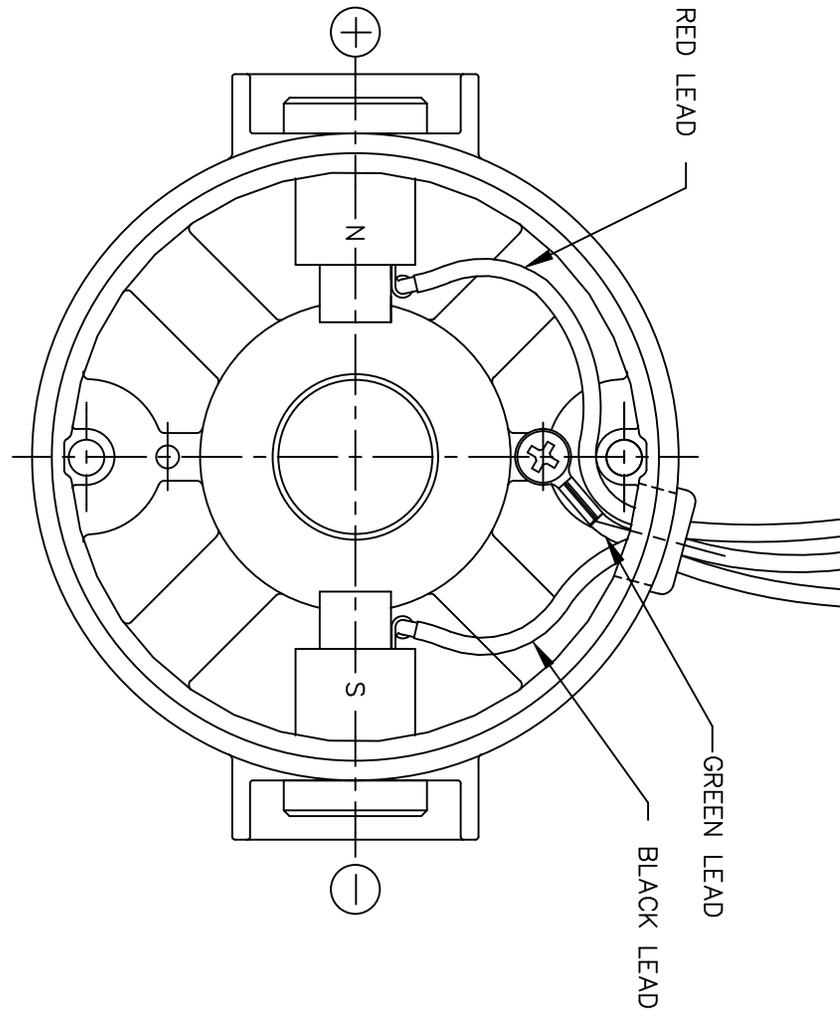
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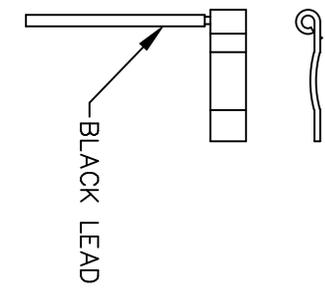
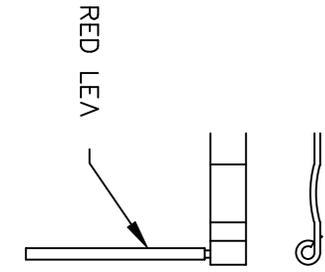
CATALOG NUMBER	OUTPUT RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XL"	"XH"
M1135139.00	7	330	1/8	565	P353-34	336	11.31	9.31
M1135140.00	14	341	1/8	341	P353-34	180	11.31	9.31
M1135141.00	21	371	1/4	413	P353-34	124	13.31	11.31
M1135142.00	27	305	1/4	374	P353-34	91	13.31	11.31
M1135143.00	42	280	1/4	327	P353-34	58	13.31	11.31
M1135144.00	50	250	1/4	315	P353-34	50	13.31	11.31
M1135145.00	62	220	1/4	303	P353-34	43	13.31	11.31
M1135146.00	83	155	1/4	267	P352-34	29	13.31	11.31
M1135147.00	125	100	1/4	256	P352-34	22.67	13.31	11.31
M1135148.00	165	70	1/4	232	P352-34	15	13.31	11.31
M1135149.00	250	45	1/4	201	P352-34	10.6	13.31	11.31
M1135150.00	500	25	1/4	194	P352-34	5.44	13.31	11.31

		TOLERANCES UNLESS SPECIFIED		<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN SAD 02/04/99			
		DEC.	INCHES			CHK	APPD		
		.X	±.1	TITLE		SCALE	5=8		
02	1/4-28 UNF-2B TAPS WERE .63 DEEP PER ECR81849.	RPB 11/25/03	BC .XXX	OUTLINE - 34 FRAME D.C. PE350 GEARBOX 180 VOLTS		REF	M1030589.00		
01	UPDATED TO CATALOG INFORMATION PER K.K.	CAS 10/31/00	SAD .XXXX	MAT'L		FMF	M1135139.00		
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	M1030693	SIZE	DRAWING NO.	REV.
				DIST			B	M1030693.00	02

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

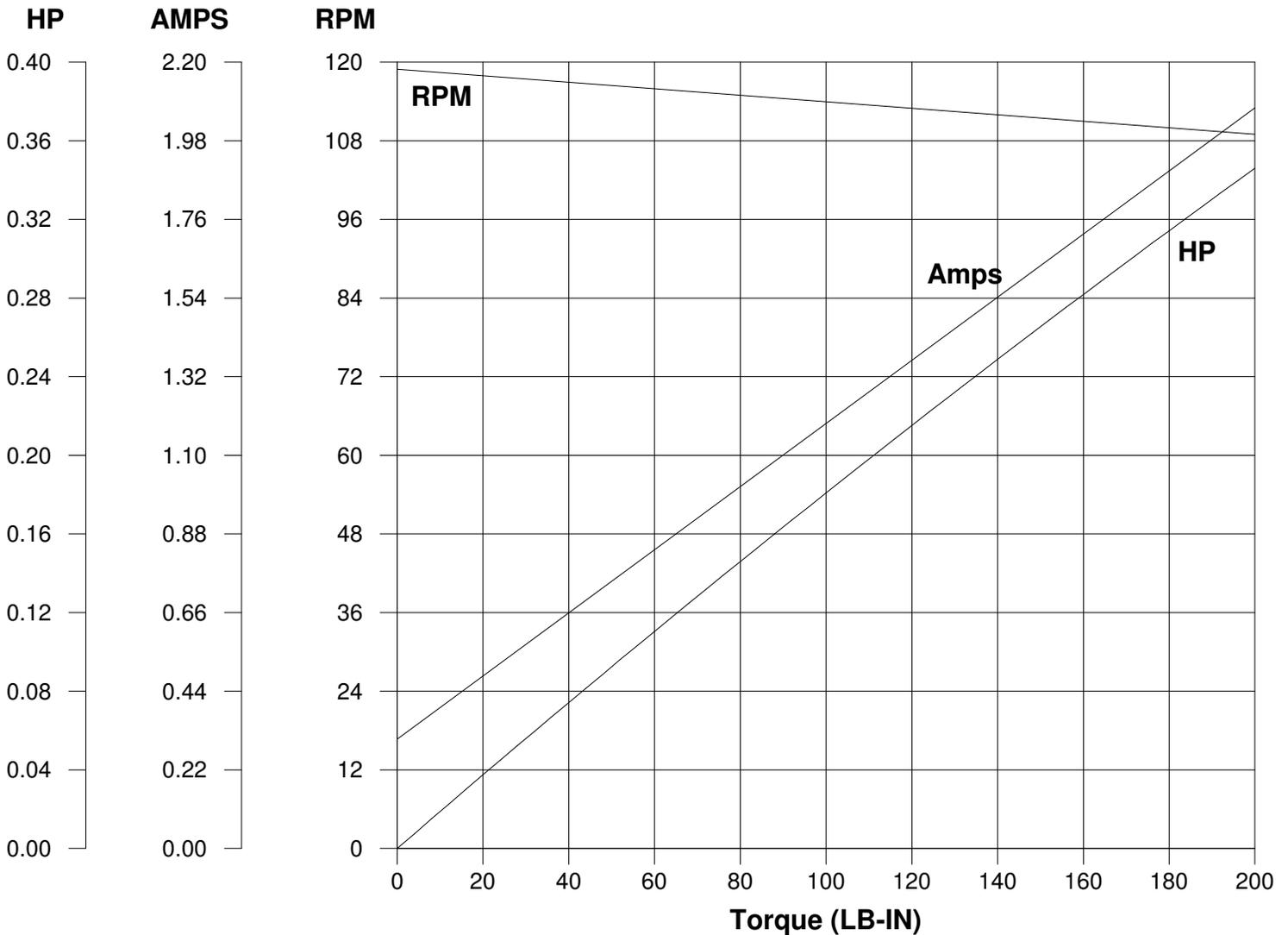


07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED		<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	SPV 12/10/91
06	REMOVED GROUND HOLE	TMZ	3/16/95	DEC.	INCHES			CHK	DWF 5/20/92
05	REVERSE ROTATION WAS CW	SPV	6/3/94	.X	±.1		TITLE	APPD	
04	CHANGED ROTATION FROM 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	FMF M9131D2N22
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

<b>Model No.</b> <u>CM34D25NZ79</u>	<b>Catalog No.</b> <u>M1135147.00</u>	
<b>HP</b> <u>0.250</u>	<b>RPM</b> <u>125</u>	<b>DC Volts</b> <u>180.0</u>
<b>F.F.</b> <u>1.38</u>	<b>Encl</b> <u>TENV</u>	<b>Type</b> <u>DN</u>
<b>Max. Amb.</b> <u>40.0 Deg C</u>	<b>Insul.</b> <u>F</u>	<b>Frame</b> <u>34</u>
		<b>N.P. FLA</b> <u>1.00</u>
		<b>S.F.</b> <u>1.00</u>
		<b>Duty</b> <u>Cont</u>



**Ra** 8.5000 Ohms  
**La** 37.00 mHenrys  
**Ja** 0.6440 LB-IN<sup>2</sup>  
**Ke** 65.72 V/KRPM

**Kt** 5.555 LB-IN/AMP  
**Imax** 20.0 AMPS Allowed  
**FL Torque** 100.0 LB-IN  
**FL EFF** 63.20 %

**Winding W-** MD342218-1      **Prepared by** V. Boehlen      **Date** 08-25-2005