

PRODUCT INFORMATION PACKET



Model No: M1135143.00
Catalog No: M1135143.00
Parallel Shaft Gearmotor, 0.25 HP, 180 V, 42 RPM, 34 Frame, TENV



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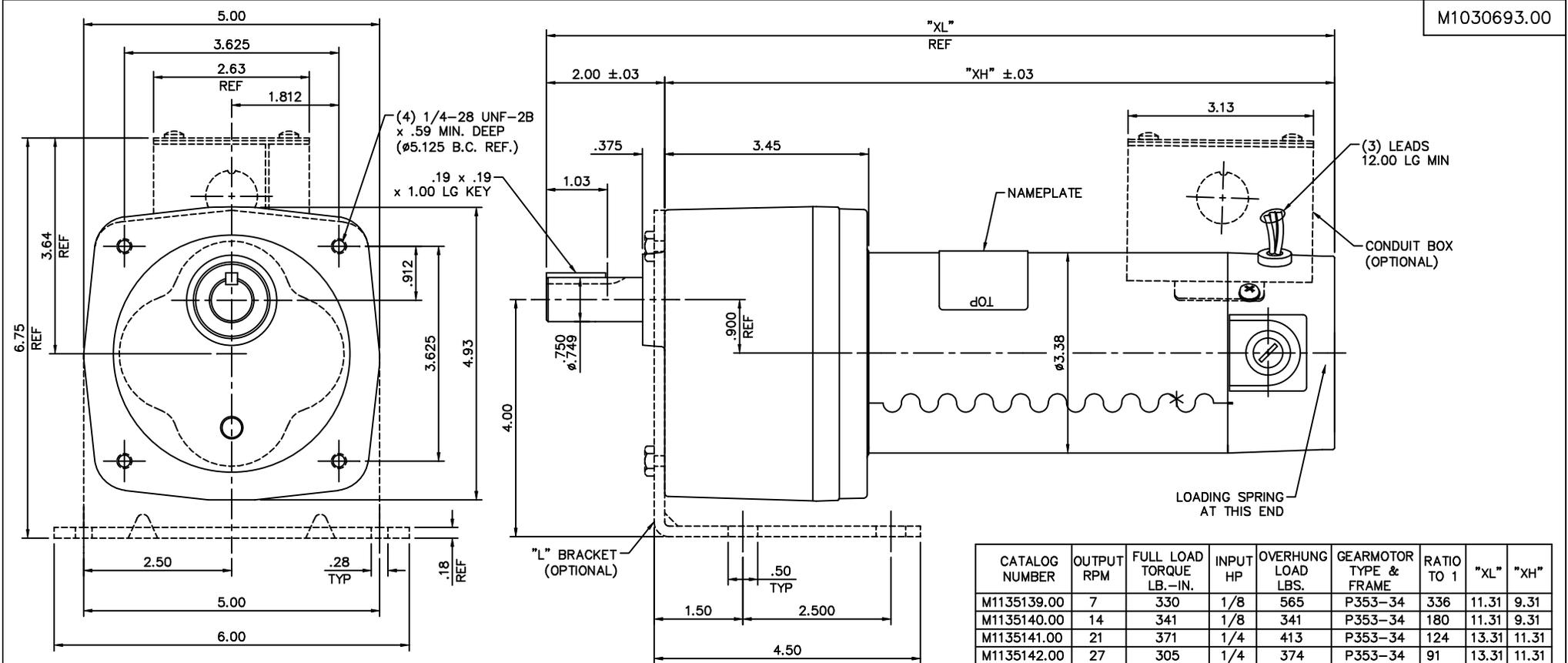
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	180 V	Speed	42 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	61.9 %	Ambient Temperature	40 °C
Current	1.2 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	280 LB-IN
Connection Drawing	M100512401	Outline Drawing	M1030693-M1135143

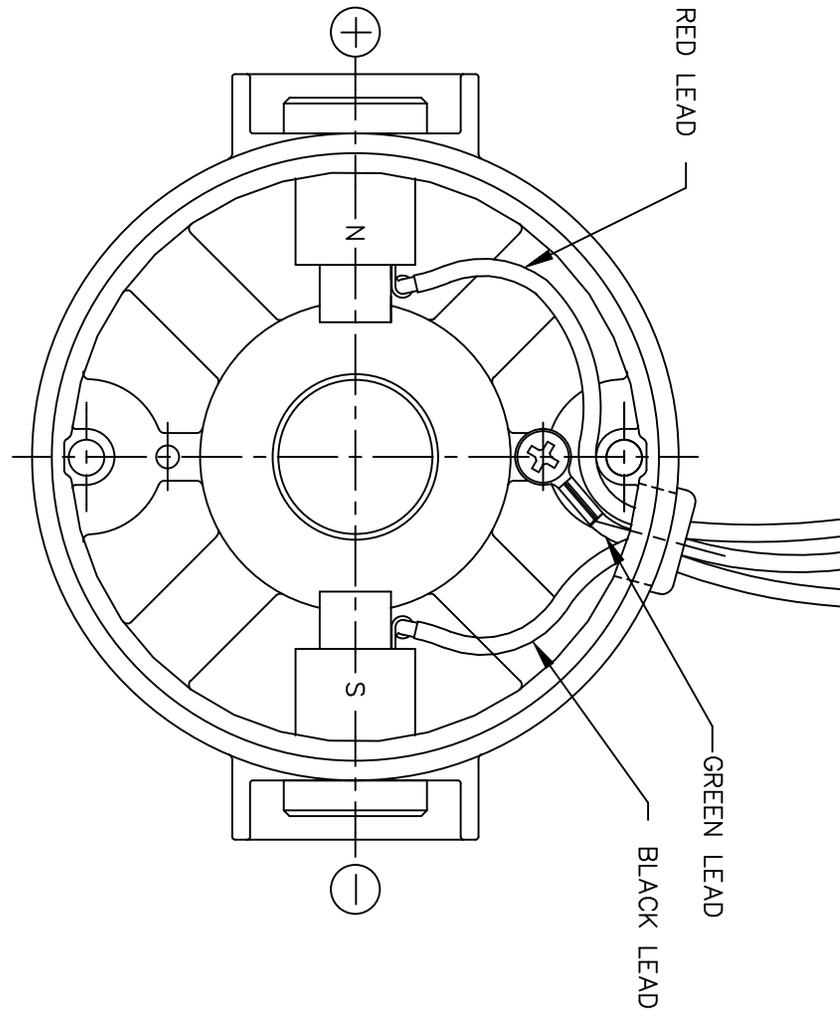
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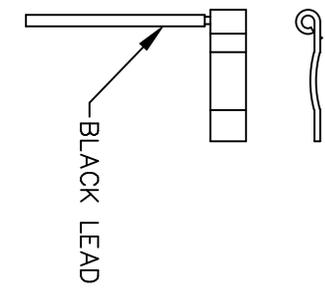
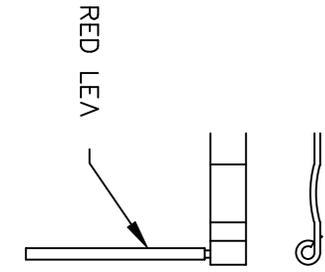
CATALOG NUMBER	OUTPUT RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XL"	"XH"
M1135139.00	7	330	1/8	565	P353-34	336	11.31	9.31
M1135140.00	14	341	1/8	341	P353-34	180	11.31	9.31
M1135141.00	21	371	1/4	413	P353-34	124	13.31	11.31
M1135142.00	27	305	1/4	374	P353-34	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		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN SAD 02/04/99			
		DEC.	INCHES			CHK			
		.X	±.1	TITLE		APPD	SCALE 5=8		
02	1/4-28 UNF-2B TAPS WERE .63 DEEP PER ECR81849.	RPB 11/25/03	BC .XXX ±.005	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 ±.0005	MAT'L		FMF	M1135139.00		
NO.	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH		PREV			
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				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

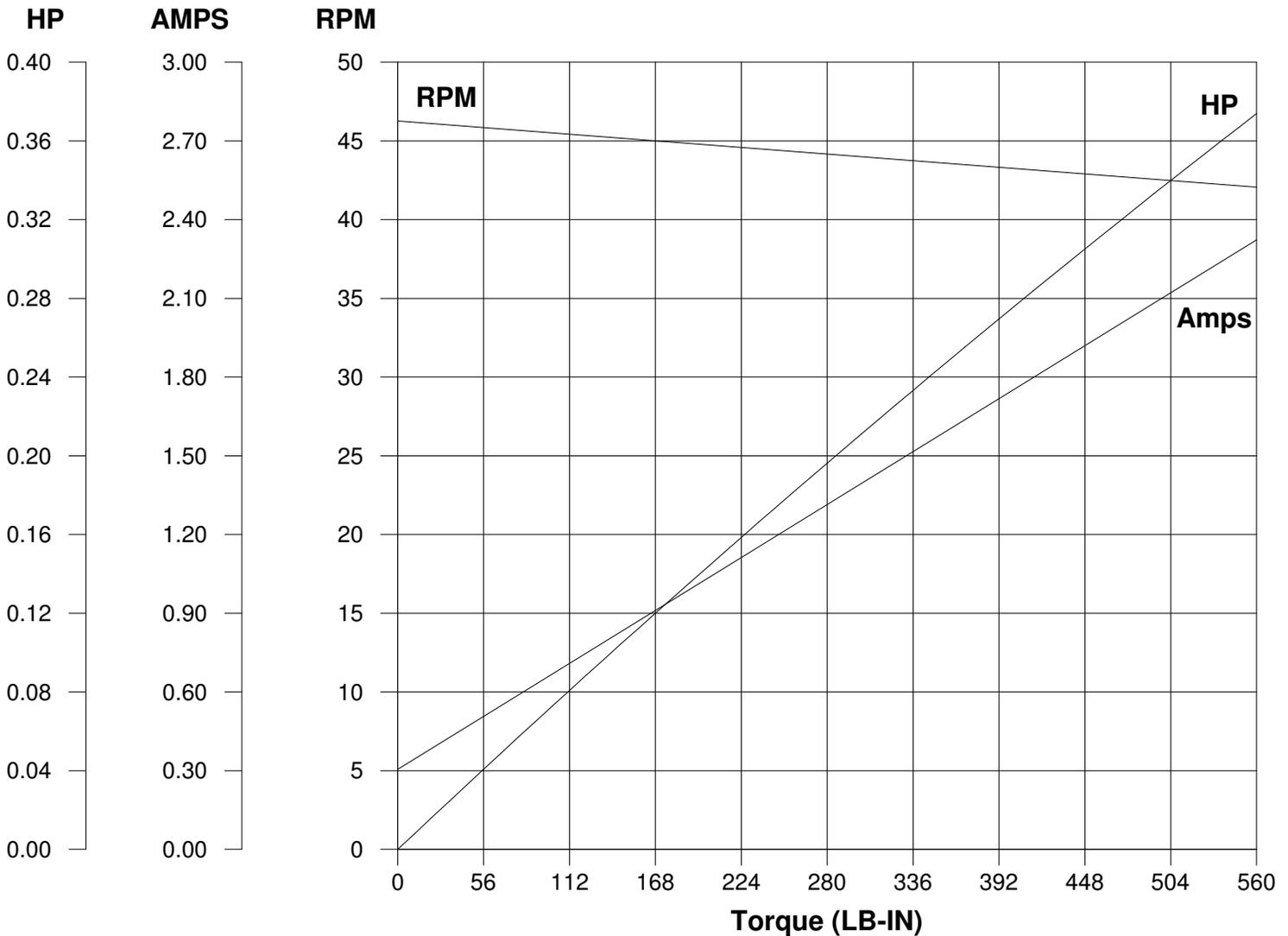


07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	SPV 12/10/91
06	REMOVED GROUND HOLE	TMZ	3/16/95	DEC.	INCHES			CHK	DWF 5/20/92
05	REVERSE ROTATION WAS CW	SPV	6/3/94	.X	±.1		TITLE	APPD	
04	CHANGED ROTATION FROM CCW TO CW	MJS	3/9/93	.XX	±.01			CONNECTION DIAGRAM	SCALE
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
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. <u>CM34D25NZ75</u>	Catalog No. <u>M1135143.00</u>	
HP <u>0.250</u>	RPM <u>42</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>F</u>	Frame <u>34</u>
		N.P. FLA <u>1.20</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra 8.5430 Ohms
La 37.00 mHenrys
Ja 0.6440 LB-IN²
Ke 65.72 V/KRPM

Kt 5.555 LB-IN/AMP
Imax 20.0 AMPS Allowed
FL Torque 280.0 LB-IN
FL EFF 61.90 %

Winding W- MD342218-1 **Prepared by** V. Boehlen **Date** 07-06-2005