

PRODUCT INFORMATION PACKET



Model No: M1135113.00
Catalog No: M1135113.00
Parallel Shaft Gearmotor, 0.25 HP, 90 V, 500 RPM, 34 Frame, TENV



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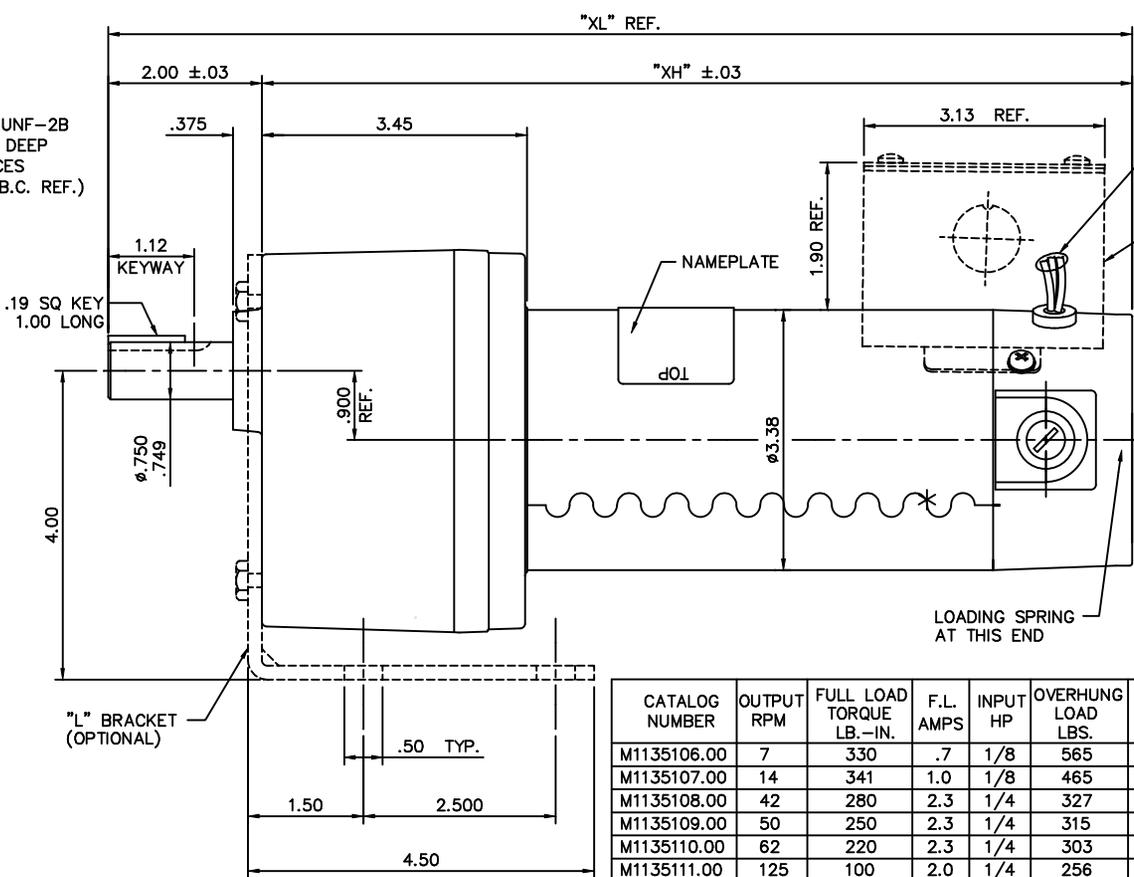
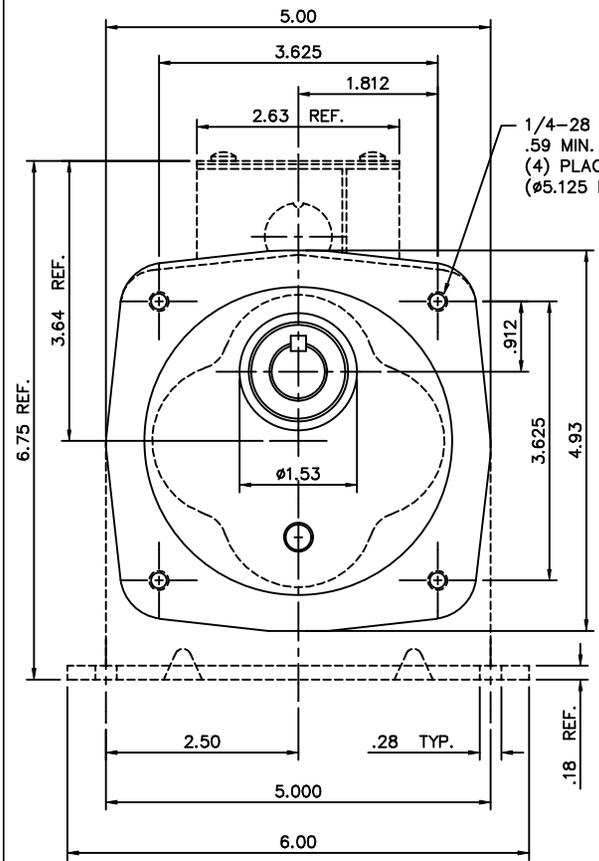
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Speed	500 rpm
Service Factor	1.0	Frame	34
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	67.4 %	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	25 LB-IN
Connection Drawing	M100512401	Outline Drawing	M1030589-M1135113

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(3) LEADS
12.00 LONG MIN.
CONDUIT BOX
(OPTIONAL)

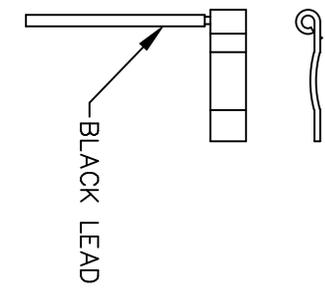
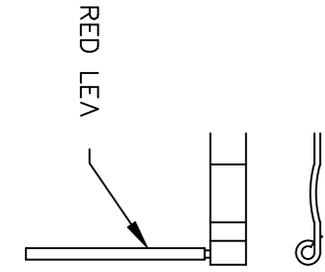
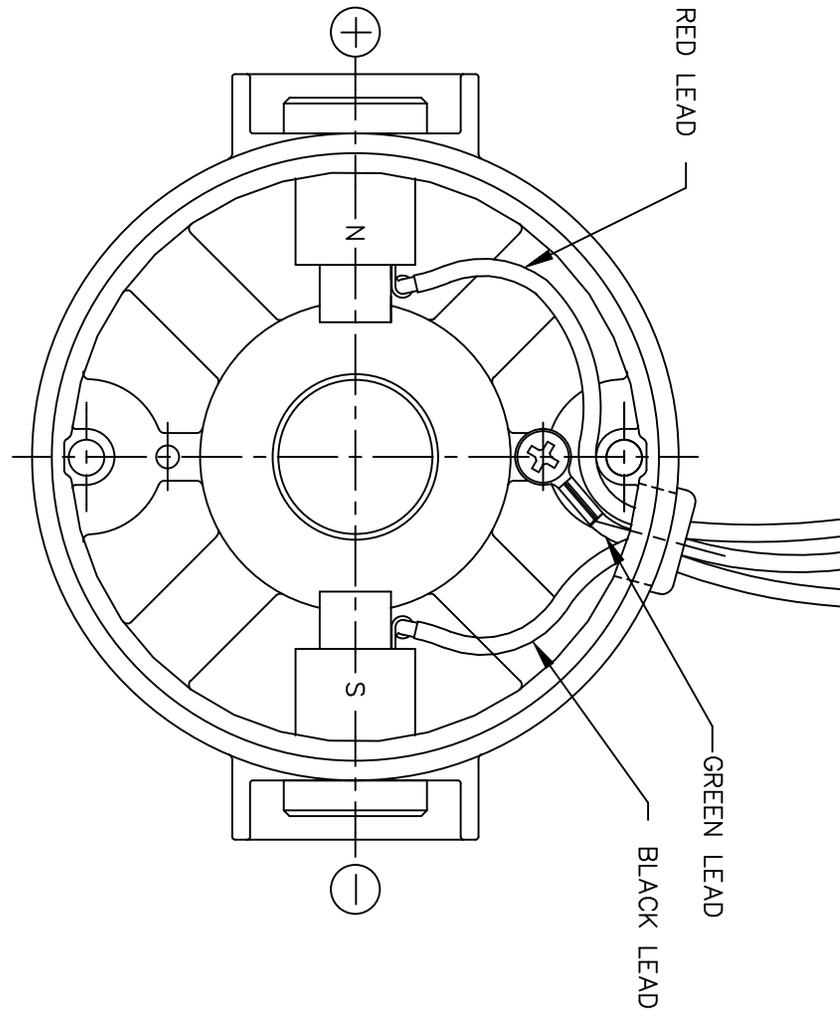
LOADING SPRING
AT THIS END

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

"L" BRACKET
(OPTIONAL)

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DWF 6/26/97			
DEC.	INCHES	CHK	APPD						
03	1/4-28 UNF-2B TAPS WERE .63 DEEP PER ECR81849.	RPB 11/24/03	BC .XX ±.03	TITLE 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.	REV.
				DIST			B	M1030589.00	03

D.C. MOTORS



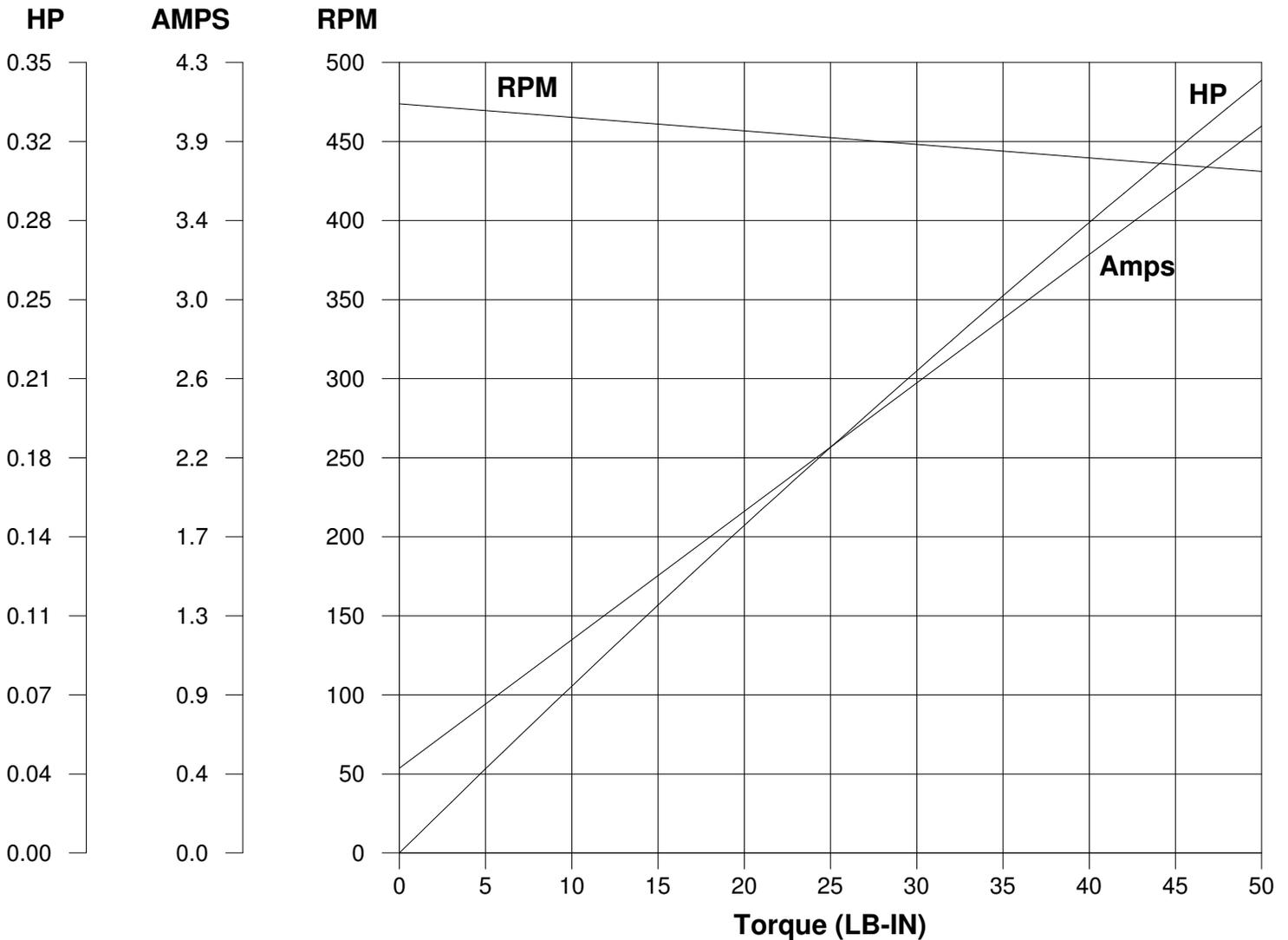
EXTERNAL CONNECTIONS FOR CW ROTATION
 VIEWING LEAD END OF MOTOR WITH RED LEAD
 POSITIVE AND BLACK LEAD NEGATIVE (-)
 FOR CCW ROTATION REVERSE POLARITY

07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS	8/14/02	BC	TOLERANCES UNLESS SPECIFIED		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			TITLE	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"		FINISH	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>CM34D25NZ59</u>	Catalog No. <u>M1135113.00</u>	
HP <u>0.250</u>	RPM <u>500</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>



Ra 2.0700 Ohms
La 10.00 mHenrys
Ja 0.6440 LB-IN²
Ke 34.50 V/KRPM

Kt 2.916 LB-IN/AMP
I_{max} 38.4 AMPS Allowed
FL Torque 25.00 LB-IN
FL EFF 67.40 %

Winding W- MD342145-1 **Prepared by** V. Boehlen **Date** 09-08-2005