

# PRODUCT INFORMATION PACKET



Model No: M1125074.00  
Catalog No: M1125074.00  
Parallel Shaft Gearmotor, 0.13 HP, 90 V, 167 RPM, 30 Frame, TENV



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**Nameplate Specifications**

Output HP	0.13 Hp	Output KW	0.10 kW
Voltage	90 V	Speed	167 rpm
Service Factor	1.0	Frame	30
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	70.7 %	Ambient Temperature	40 °C
Current	1.3 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6000
Opp Drive End Bearing Size	6000	UL	Recognized
CSA	Y	CE	Y

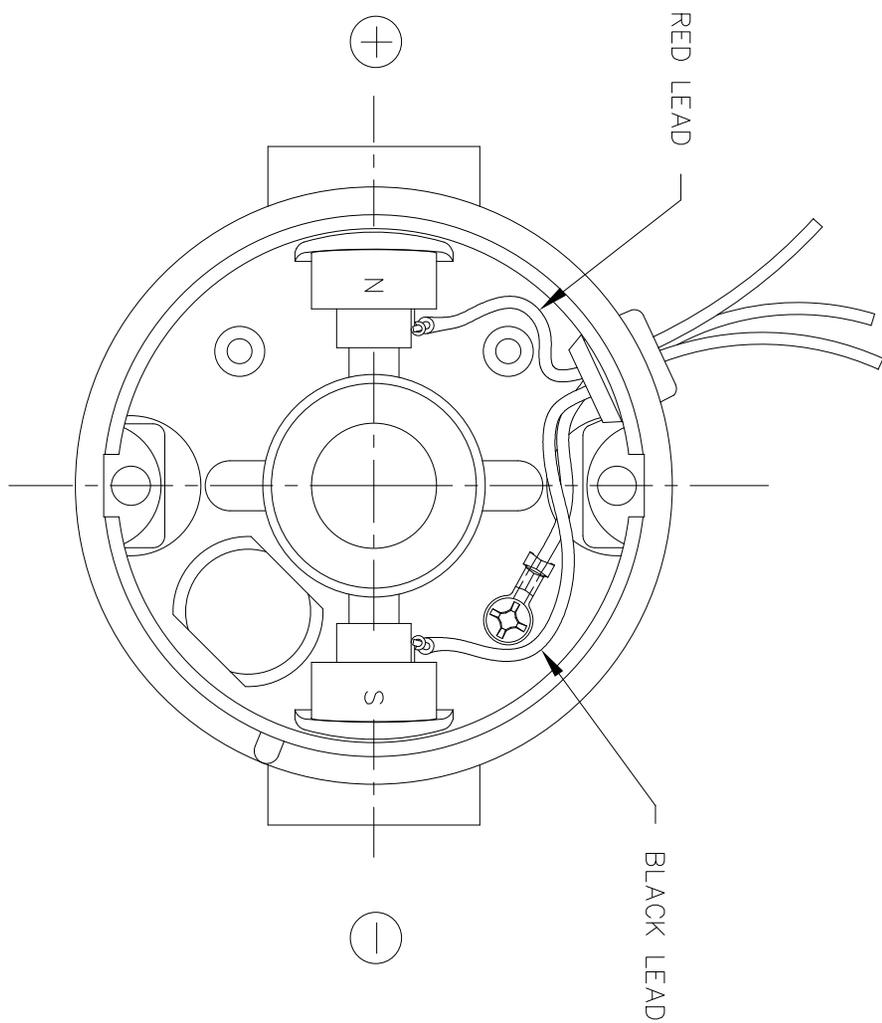
**Technical Specifications**

Rotation	Reversible	Mounting	Special
Shaft Type	Parallel	Overall Length	11.45 in
Frame Length	4.91 in	Shaft Diameter	0.625 in
Shaft Extension	1.5 in	Torque	43 LB-IN
Connection Drawing	M100530201	Outline Drawing	M1030961-M1125074

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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

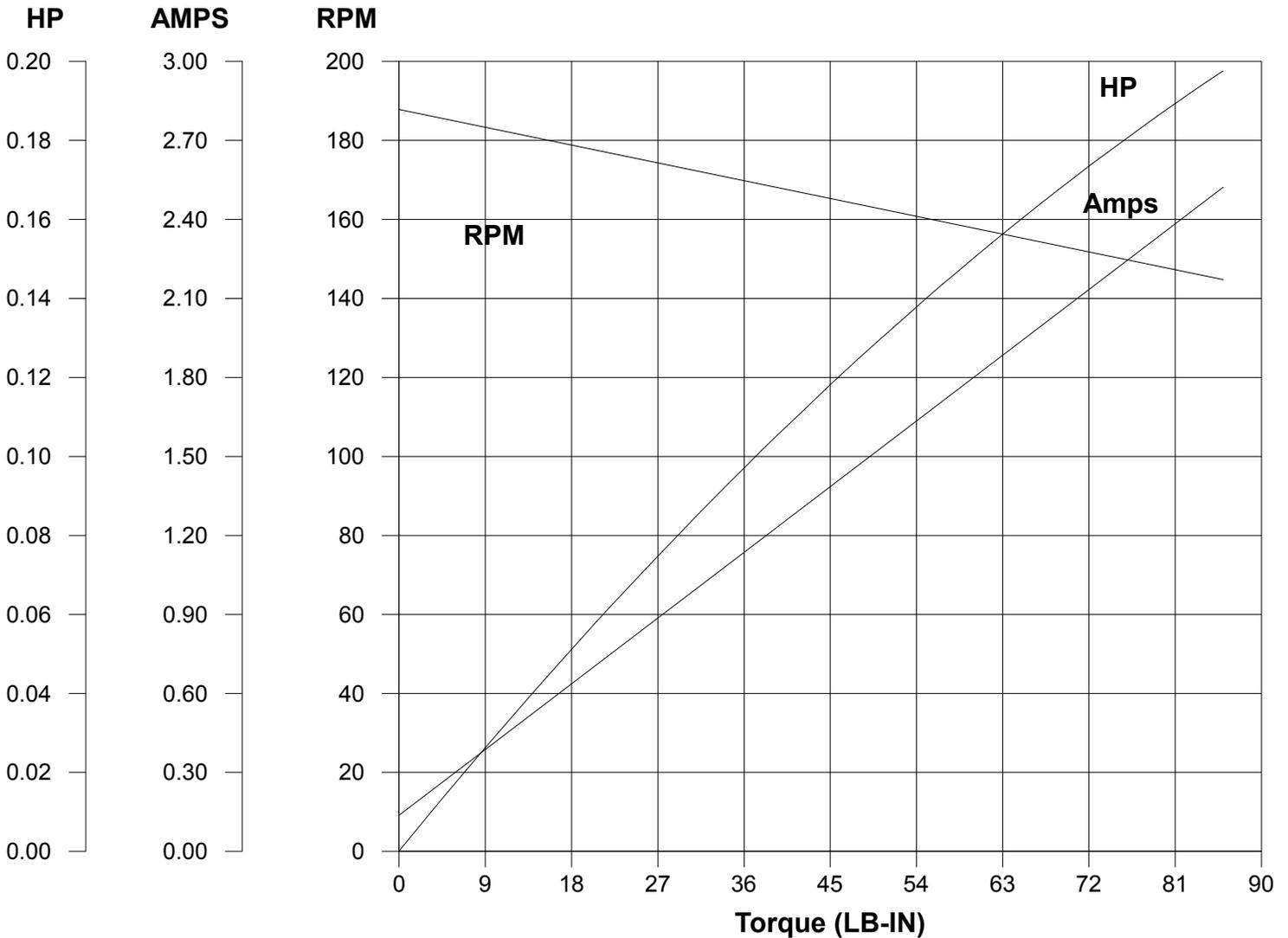
ITEM	REV
	001

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RWS 3/15/05			
				DEC.	INCHES		CHK RPB 3/15/05			
				.X	±.1		APPD			
				.XX	±.01		SCALE 1=1			
				.XXX	±.005		REF 901.706			
C	BRUSH HOLDERS ROTATED 90°, ECR-0207997	IPG 11/12/21		.XXX	±.005	TITLE CONNECTION DIAGRAM		SCALE 1=1		
00	RELEASED COMM CONVERSION PROJECT	RWS 4/13/05	RPB	.XXXX	±.0005	MAT'L.		REF 901.706		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH		FMF M115002.00		
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				RFP		CAD FILE	M100530201	SIZE A	DRAWING NO. M1005302.01	REV. C
				DIST		4 of 5				

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>985.616</u>	Catalog No. <u>M1125074.00</u>	
HP <u>0.125</u>	RPM <u>167</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>30</u>
		N.P. FLA <u>1.30</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



<b>Ra</b> <u>6.7140</u> Ohms <b>La</b> <u>37.96</u> mHenrys <b>Ja</b> <u>7.277</u> OZ-IN <sup>2</sup> <b>Ke</b> <u>44.64</u> V/KRPM	<b>Kt</b> <u>3.773</u> LB-IN/AMP <b>Imax</b> <u>13.7</u> AMPS Allowed <b>FL Torque</b> <u>43.00</u> LB-IN <b>FL EFF</b> <u>70.70</u> %
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Winding W- MD302166-2      Prepared by V. Boehlen      Date 05-12-2014