

PRODUCT INFORMATION PACKET



Model No: 109078.00

Catalog No: 109078.00

Premium Duck™ Washdown Motor, 0.25 HP, 90 V, 1750 RPM, NS56C Frame, TENV



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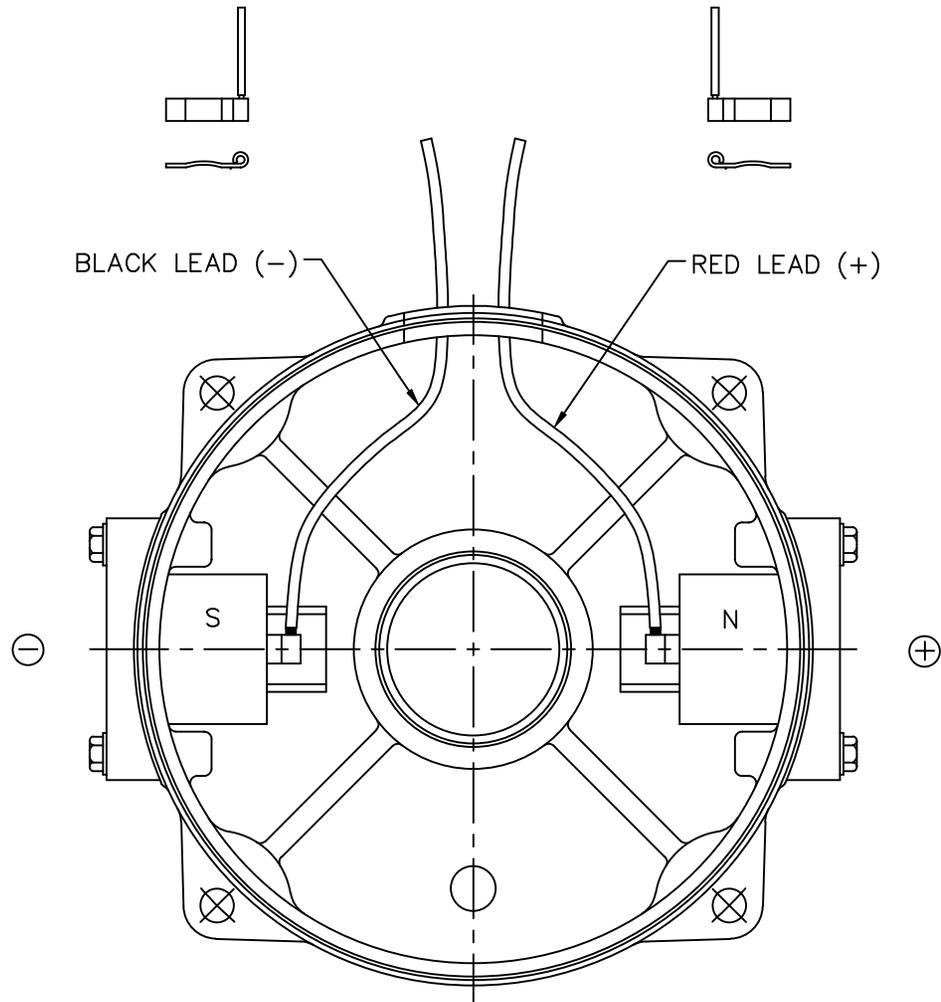
Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	NS56C
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No Protection
Efficiency	67.5 %	Ambient Temperature	40 °C
Current	3.1 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Round
Overall Length	11.81 in	Frame Length	6.13 in
Shaft Diameter	0.625 in	Shaft Extension	2.05 in
Torque	9 LB-IN		
Connection Drawing	005487	Outline Drawing	031790-NS56C

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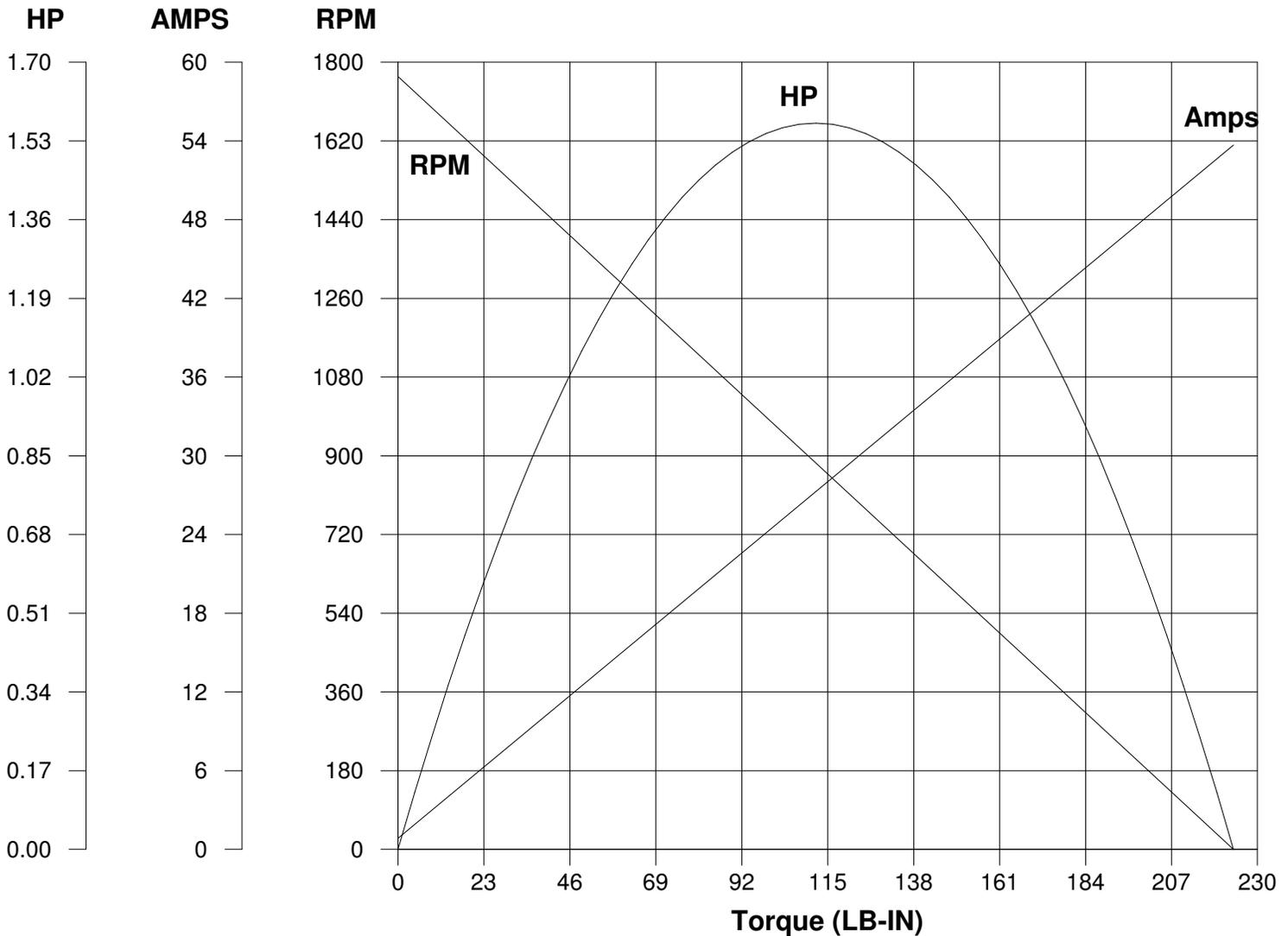
EXTERNAL CONNECTIONS FOR CCWLE ROTATION
 VIEWING LEAD END OF MOTOR WITH RED LEAD
 POSITIVE AND BLACK LEAD NEGATIVE.
 FOR CW ROTATION, REVERSE POLARITY.

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 12/10/04		
				DEC.	INCHES		CHK		
				.X	±.1		APPD PG 12/10/04		
				.XX	±.01		SCALE 5=8		
				.XXX	±.005		REF		
				.XXXX	±.0005	MAT'L.	FMF 109075.00		
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	005487	SIZE	DRAWING NO.	REV.
				DIST			A	005487.01	

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C4D17VC5</u>	Catalog No. <u>109078.00</u>	
HP <u>0.250</u>	RPM <u>1750</u>	DC Volts <u>90.0</u>
F.F. <u>1.38</u>	Encl <u>TENV</u>	N.P. FLA <u>3.10</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Type <u>DN</u>
	Frame <u>NS56C</u>	S.F. <u>1.00</u>
		Duty <u>CONT</u>



Ra	<u>1.1400</u>	Ohms
La	<u>9.670</u>	mHenrys
Ja	<u>8.125</u>	LB-IN ²
Ke	<u>50.11</u>	V/KRPM

Kt	<u>4.236</u>	LB-IN/AMP
Imax	<u>72.3</u>	AMPS Allowed
FL Torque	<u>9.000</u>	LB-IN
FL EFF	<u>67.50</u>	%

Winding W- D552694-1 Prepared by V. Boehlen Date 10-18-2005