

PRODUCT INFORMATION PACKET



Model No: 109082.00

Catalog No: 109082.00

Premium Duck™ Washdown Motor, 0.50 HP, 90 V, 1750 RPM, US56C Frame, TEFC



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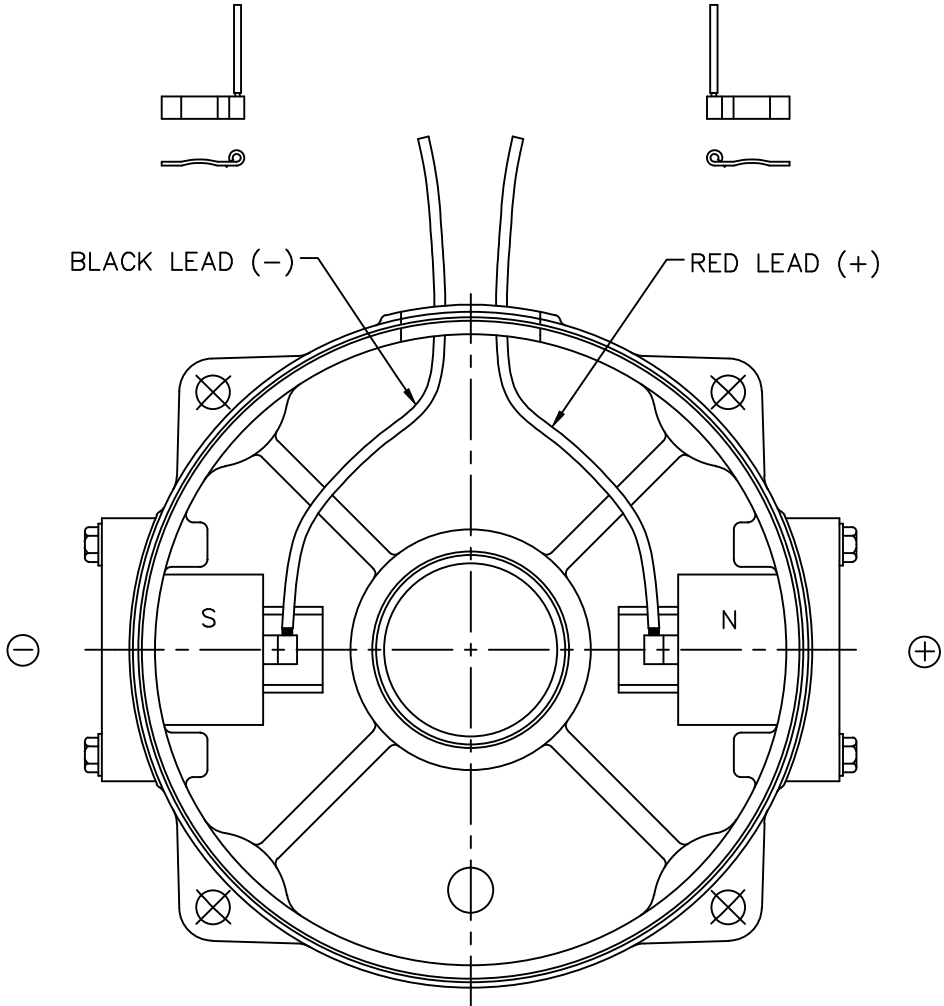
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	US56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	79 %	Ambient Temperature	40 °C
Current	5.2 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	13.87 in	Frame Length	7.25 in
Shaft Diameter	0.625 in	Shaft Extension	2.05 in
Torque	18 LB-IN		
Connection Drawing	005487	Outline Drawing	031789-US56C

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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.

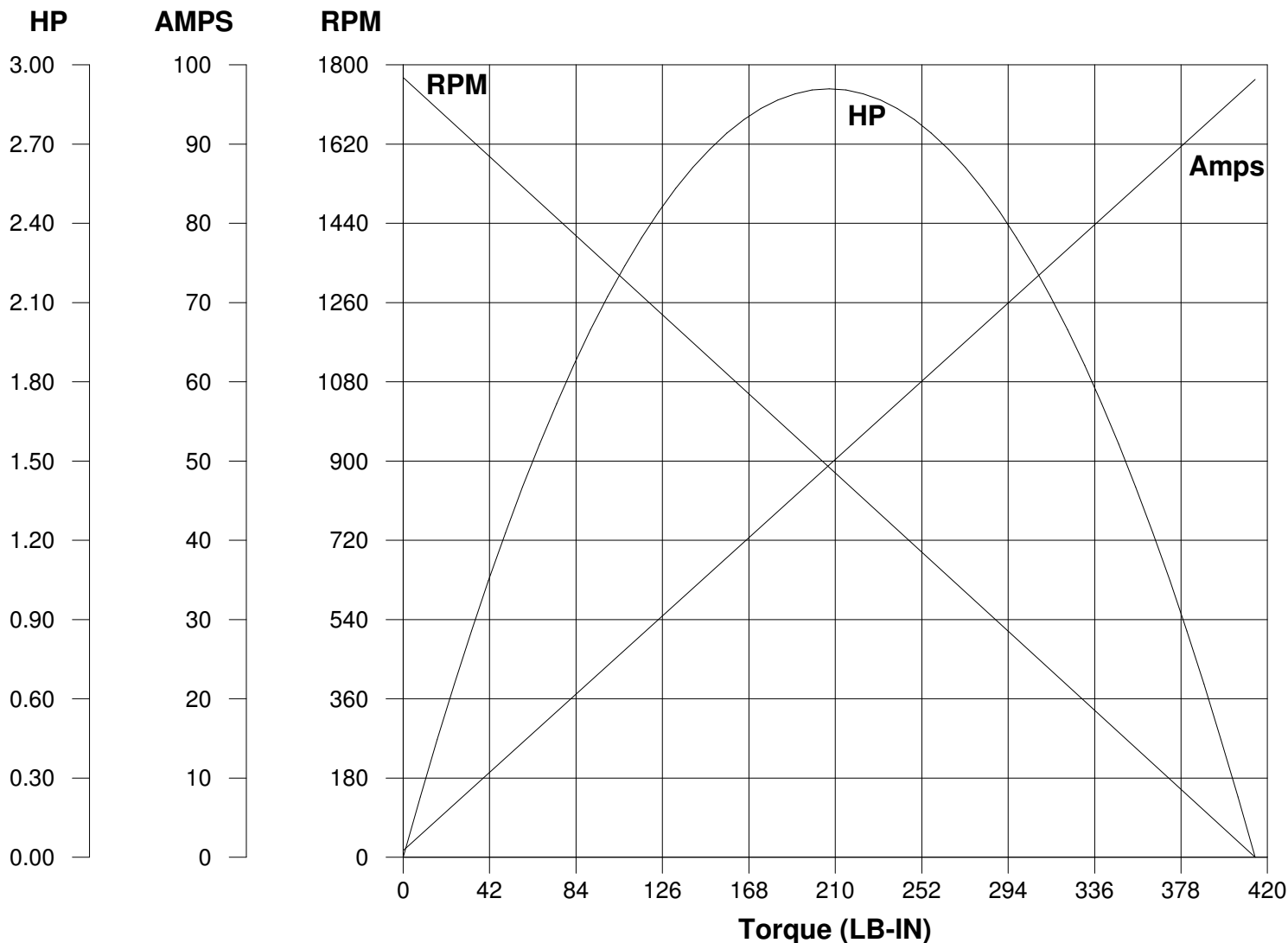
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 12/10/04		
				DEC.	INCHES		CHK		
				.X	±.1		APPD PG 12/10/04		
				.XX	±.01	TITLE WIRING DIAGRAM PMDC MOTOR	SCALE 5=8		
				.XXX	±.005		REF		
				.XXXX	±.0005		FMF 109075.00		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV	
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. C4D17WC2Catalog No. 109082.00HP 0.500RPM 1750DC Volts 90.0N.P. FLA 5.20F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame US56CDuty Cont

Ra 0.6180 Ohms
 La 7.141 mHenrys
 Ja 10.63 LB-IN²
 Ke 50.39 V/KRPM

Kt 4.259 LB-IN/AMP
 Imax 96.5 AMPS Allowed
 FL Torque 18.00 LB-IN
 FL EFF 79.00 %

Winding W- D552691-1Prepared by V. BoehlenDate 10-18-2005