

# PRODUCT INFORMATION PACKET



Model No: 108228.00  
Catalog No: 108228.00  
White Duck™ Washdown Motor, 0.75 HP, 90 V, 1750 RPM, S56C Frame, TENV



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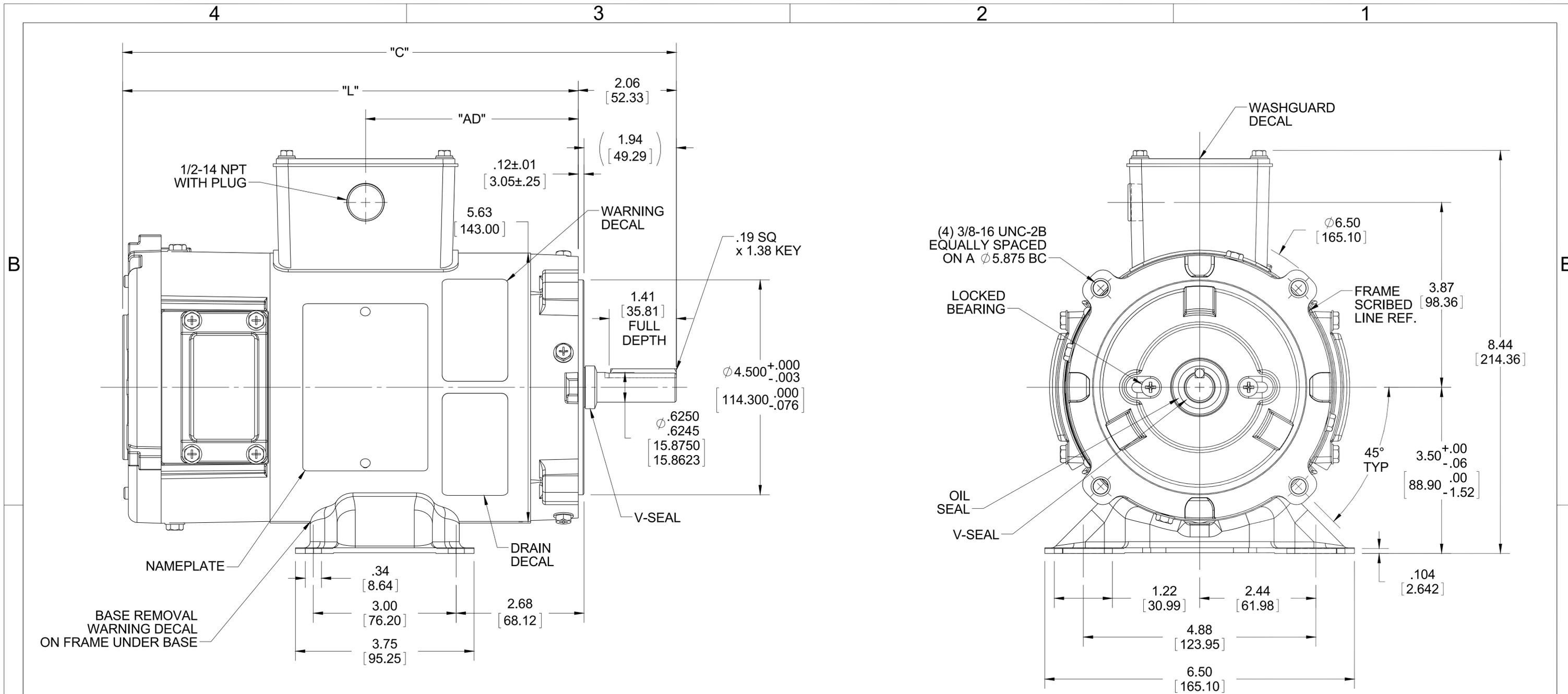
**Nameplate Specifications**

Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Non Ventiladed	Thermal Protection	No Protection
Efficiency	85.2 %	Ambient Temperature	40 °C
Current	7.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

**Technical Specifications**

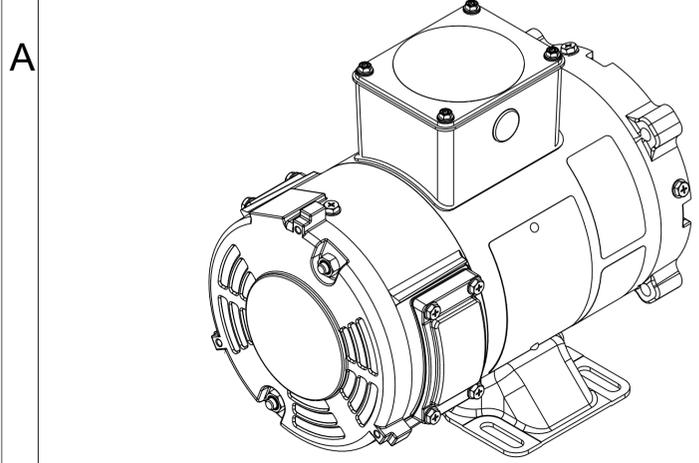
Rotation	Reversible	Mounting	Rigid C base
Overall Length	14.63 in	Frame Length	8.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	27 LB-IN		
Outline Drawing	031900-108228	Connection Drawing	00531901

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108424.00	11.63	9.57	4.47	90	1/3	1750
108423.00	10.63	8.57	3.47	90	1/4	1750
108229.00	14.13	12.07	6.97	180	3/4	1750
108228.00	14.63	12.57	7.47	90	3/4	1750
108227.00	13.63	11.57	6.47	180	1/2	1750
108226.00	13.13	11.07	5.97	90	1/2	1750
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM

- NOTES:  
 1) MAXIMUM FACE RUNOUT .004 T.I.R.  
 2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
 3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.  
 4) GASKETS THROUGHOUT.  
 5) PLUGGED DRAIN HOLES IN ENDBELLS.



DRAWING REVISION E	REVISION BY IVAN GUERRA	DATE 10/30/15
ECO ECO-0087577	APPROVED BY	DATE
ECO DESCRIPTION REMOVED BREATHER, ADDED DRAIN HOLES		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC	INCH	mm
.X	±0.1	[±2.5]
.XX	±0.03	[±0.76]
.XXX	±0.005	[±0.127]
.XXXX	±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm SHOWN IN [BRACKETS]		

DRAWN BY IVAN GUERRA	<b>REGAL</b> ™ Regal Beloit America, Inc.	
DATE 12/1/08	DESCRIPTION <b>OUTLINE</b> 48 FRAME DC	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	REFERENCE 030968	SIZE B
THIRD ANGLE PROJECTION	DRAWING NUMBER <b>031900</b>	SHEET 1 OF 1



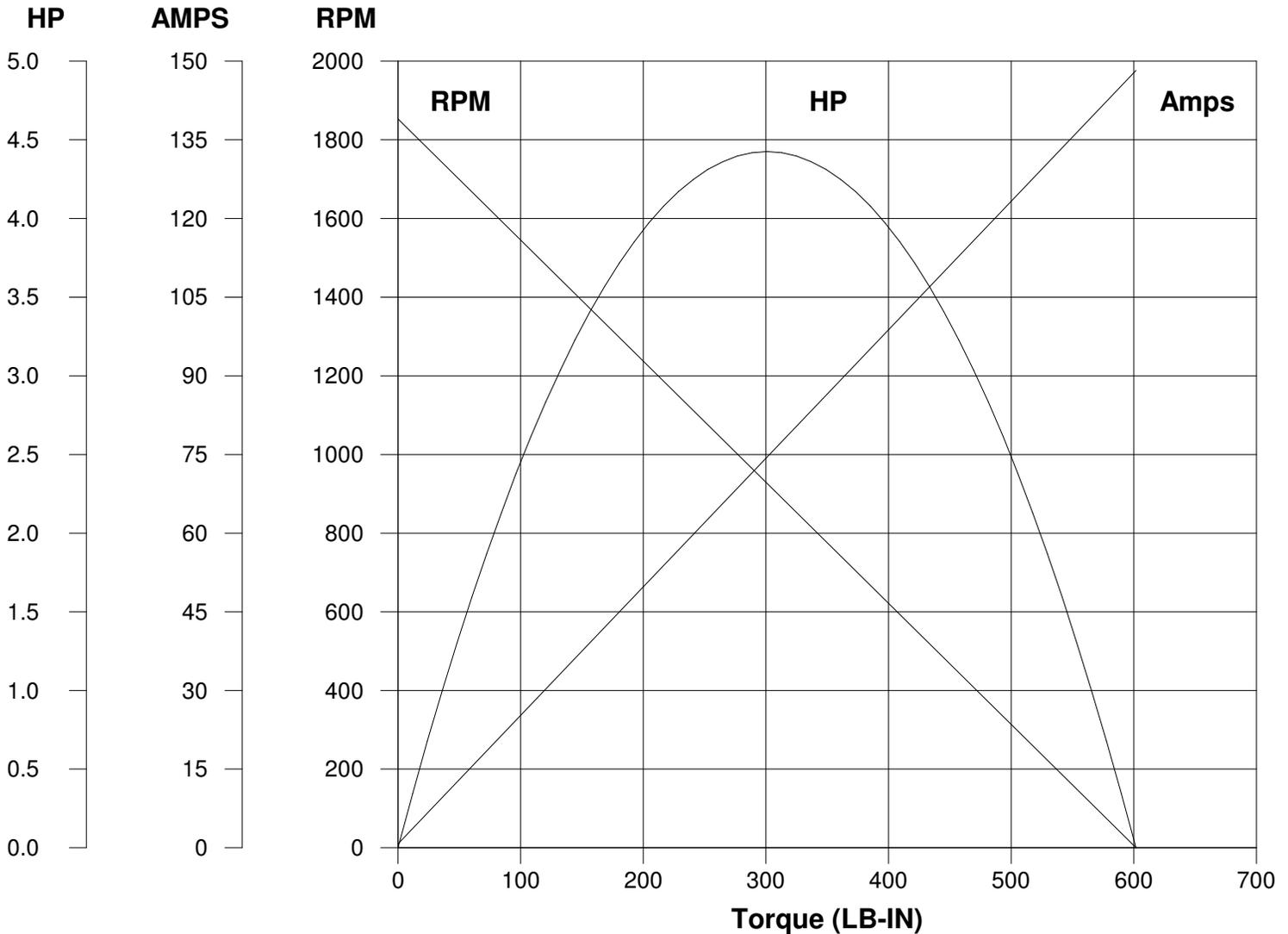
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97		
				DEC.	INCHES		CHK		
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1	TITLE	EXTERNAL WIRING DIAGRAM		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01		PMDC MOTOR		
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19		.XXX	±.005		SCALE 1=2		
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	MAT'L.	REF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	FMF		
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		00531901	SIZE	DRAWING NO.	REV.
			DIST				A	005319.01	F
						<b>4 of 5</b>			

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C4D17VK3</u>	Catalog No. <u>108228.00</u>	
HP <u>0.750</u>	RPM <u>1750</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>S56C</u>
		N.P. FLA <u>7.00</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



<b>Ra</b> <u>0.3600</u> Ohms <b>La</b> <u>6.000</u> mHenrys <b>Ja</b> <u>16.80</u> LB-IN <sup>2</sup> <b>Ke</b> <u>48.33</u> V/KRPM	<b>Kt</b> <u>4.085</u> LB-IN/AMP <b>Imax</b> <u>117.9</u> AMPS Allowed <b>FL Torque</b> <u>27.00</u> LB-IN <b>FL EFF</b> <u>85.20</u> %
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Winding W- D56227-1      Prepared by S. Bernhardt      Date 05-06-2009