

PRODUCT INFORMATION PACKET



Model No: 108227.00
Catalog No: 108227.00
White Duck™ Washdown Motor, 0.50 HP, 180 V, 1750 RPM, S56C Frame, TENV



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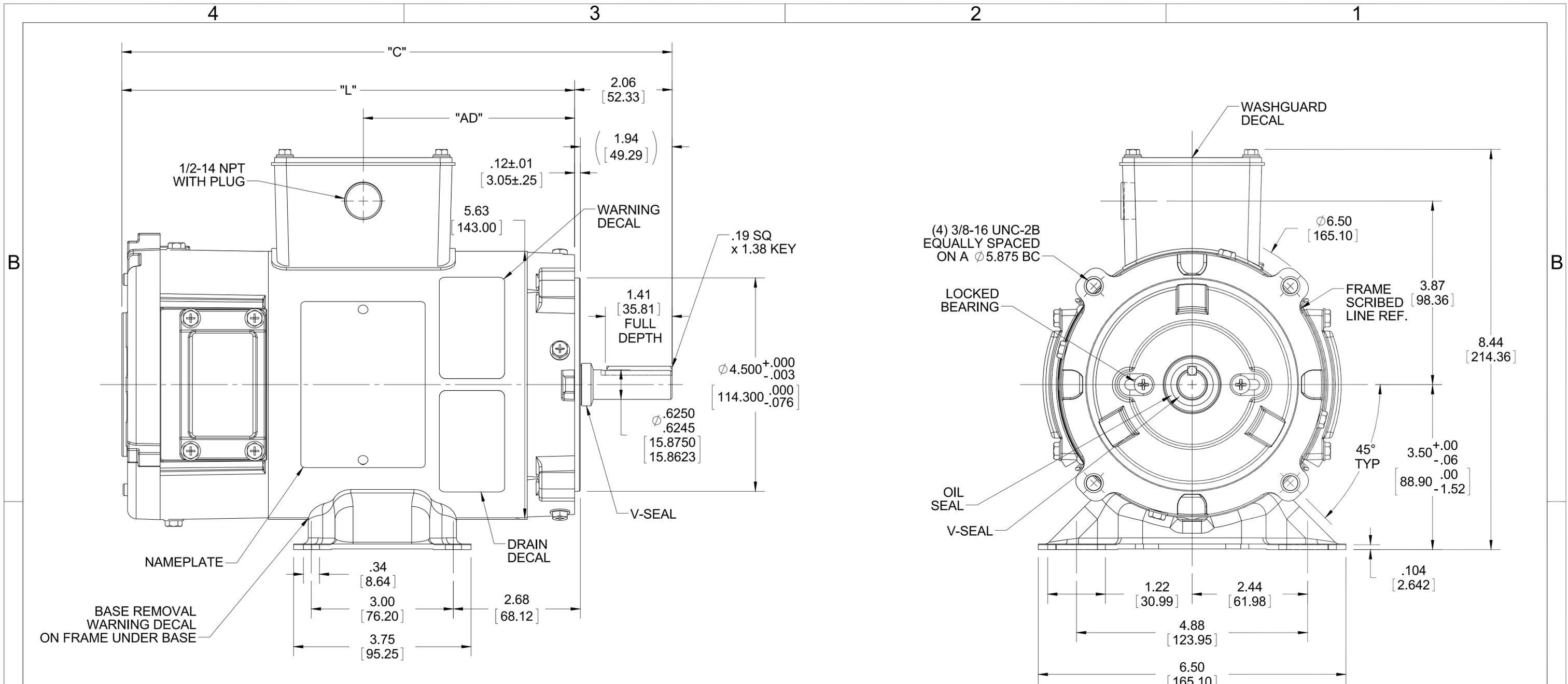
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	81.7 %	Ambient Temperature	40 °C
Current	2.5 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	13.63 in	Frame Length	7.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	18 LB-IN		
Outline Drawing	031900-108227	Connection Drawing	00531901

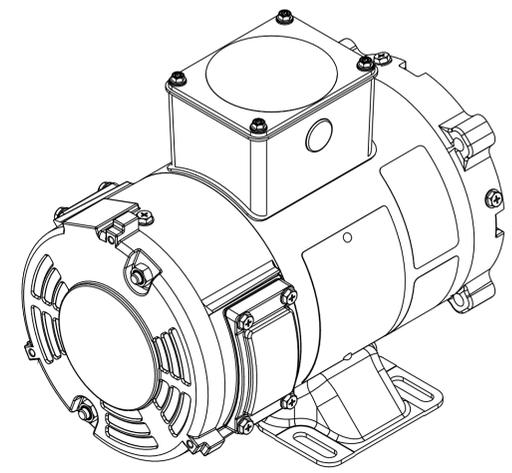
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BASE REMOVAL
WARNING DECAL
ON FRAME UNDER BASE

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	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE ±0.5° .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 3.2 INCH mm	DRAWN BY IVAN GUERRA	Regal Beloit America, Inc.
ECO ECO-0087577	APPROVED BY	DATE	DATE 12/1/08	DESCRIPTION OUTLINE 48 FRAME DC	
ECO DESCRIPTION REMOVED BREATHER, ADDED DRAIN HOLES <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			REFERENCE 030968	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 031900
					SHEET 1 OF 1



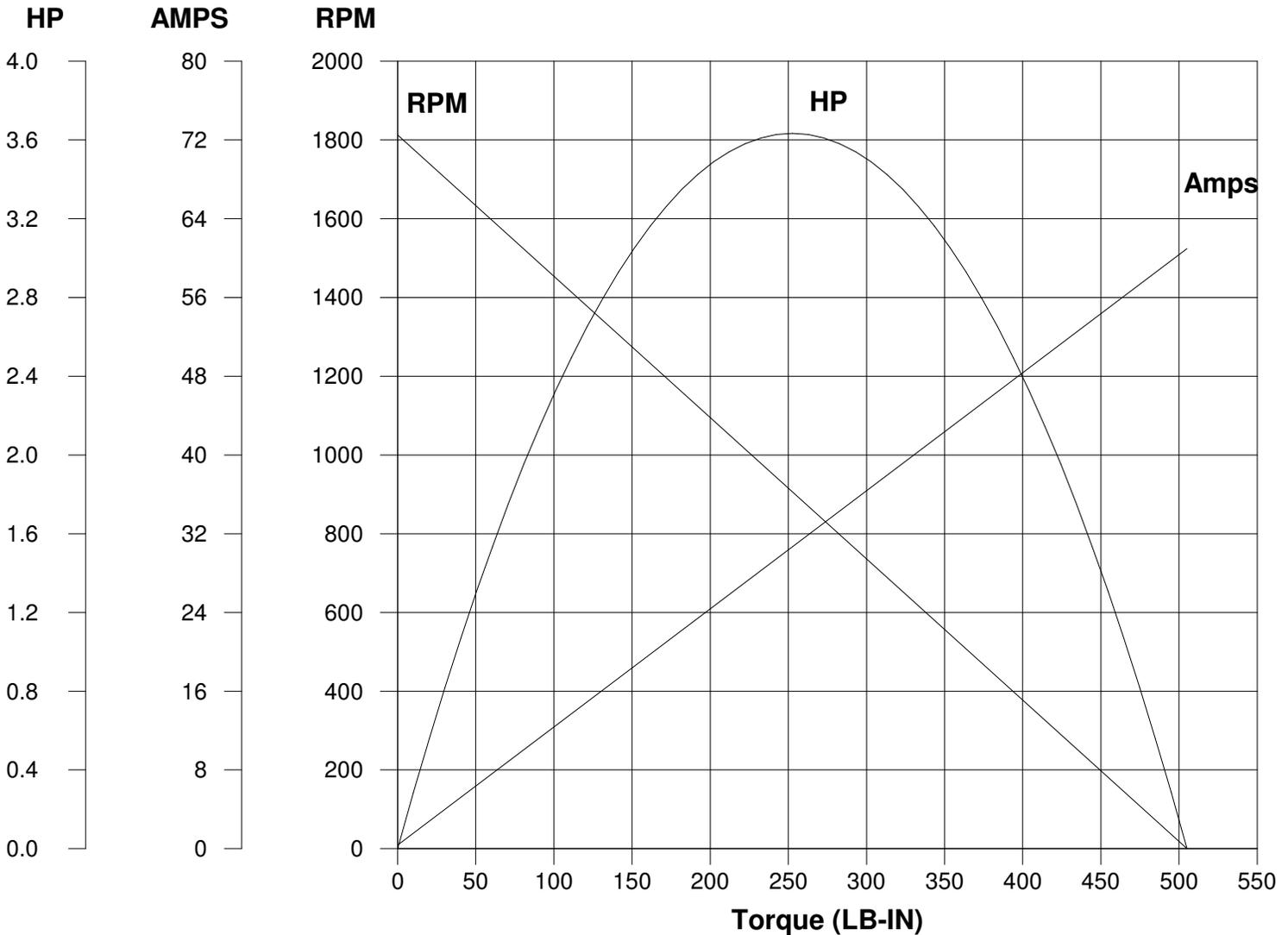
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C4D17VK2</u>	Catalog No. <u>108227.00</u>	
HP <u>0.500</u>	RPM <u>1750</u>	DC Volts <u>180.0</u>
F.F. <u>1.38</u>	Encl <u>TENV</u>	Type <u>DF</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Frame <u>S56C</u>
		N.P. FLA <u>2.50</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra <u>1.7000</u> Ohms La <u>23.60</u> mHenrys Ja <u>14.40</u> LB-IN ² Ke <u>98.89</u> V/KRPM	Kt <u>8.359</u> LB-IN/AMP Imax <u>50.0</u> AMPS Allowed FL Torque <u>18.00</u> LB-IN FL EFF <u>81.70</u> %
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Winding W- D5626-1 Prepared by S. Bernhardt Date 05-06-2009