

# PRODUCT INFORMATION PACKET



Model No: 108231.00  
Catalog No: 108231.00  
White Duck™ Washdown Motor, 1 HP, 180 V, 1750 RPM, S56C Frame, TEFC



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**Nameplate Specifications**

Output HP	1 Hp	Output KW	0.75 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	85 %	Ambient Temperature	40 °C
Current	5.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

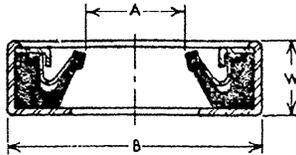
**Technical Specifications**

Rotation	Reversible	Mounting	Rigid C base
Overall Length	14.82 in	Frame Length	7.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	36 LB-IN		
Outline Drawing	031909-108231	Connection Drawing	00531901

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OIL SEAL

**GARLOCK MODEL 53 KLOZURE**



SHAFT DIA A	OD B ±.002	WIDTH W ±1/64	LINK-BELT PART NUMBER
INCHES			
3-1/8	4.130	1/2	319W97.1
		9/16	.9
	4.254	1/2	.2
	4.381	1/2	.3
	4.506	1/2	.4
		5/8	.10
	4.631	1/2	.5*
	4.756	1/2	.6*
4.881	1/2	.7*	
5.005	1/2	.8	

\* NON-PRODUCTION ITEM.

GENERAL SPECIFICATIONS

SEALING ELEMENT: SYNTHETIC RUBBER

SPRING: STAINLESS STEEL-FINGER TYPE

OPERATING CONDITIONS: MAX. TEMPERATURE: 250°F CONSTANT  
300°F INTER.

SURFACE SPEED. MAX: 3000 FPM

APPROVED VENDOR

GARLOCK PACKING CO.  
PALMYRA, NEW YORK

VENDOR'S  
DESIGNATION

MODEL 53

TITLE		OIL SEAL		R					
GARLOCK MODEL 53 KLOZURE		R	J					B	1-17-61
3-1/8 SHAFT DIAMETER		O	R					REV	DATE
DRAWN	P.O.	CHECKED	APPROVED	FORM	REFERENCE	BRIGHTENED DATE WITH LATEST VENDOR'S SPECIFICATIONS			
DATE	2-8-49	✓	<i>R. Schmidt</i>	<i>RWT</i>		DESCRIPTION OF REVISION			
SCALE	NONE	<b>LINK-BELT COMPANY</b>			<b>319W97</b>				



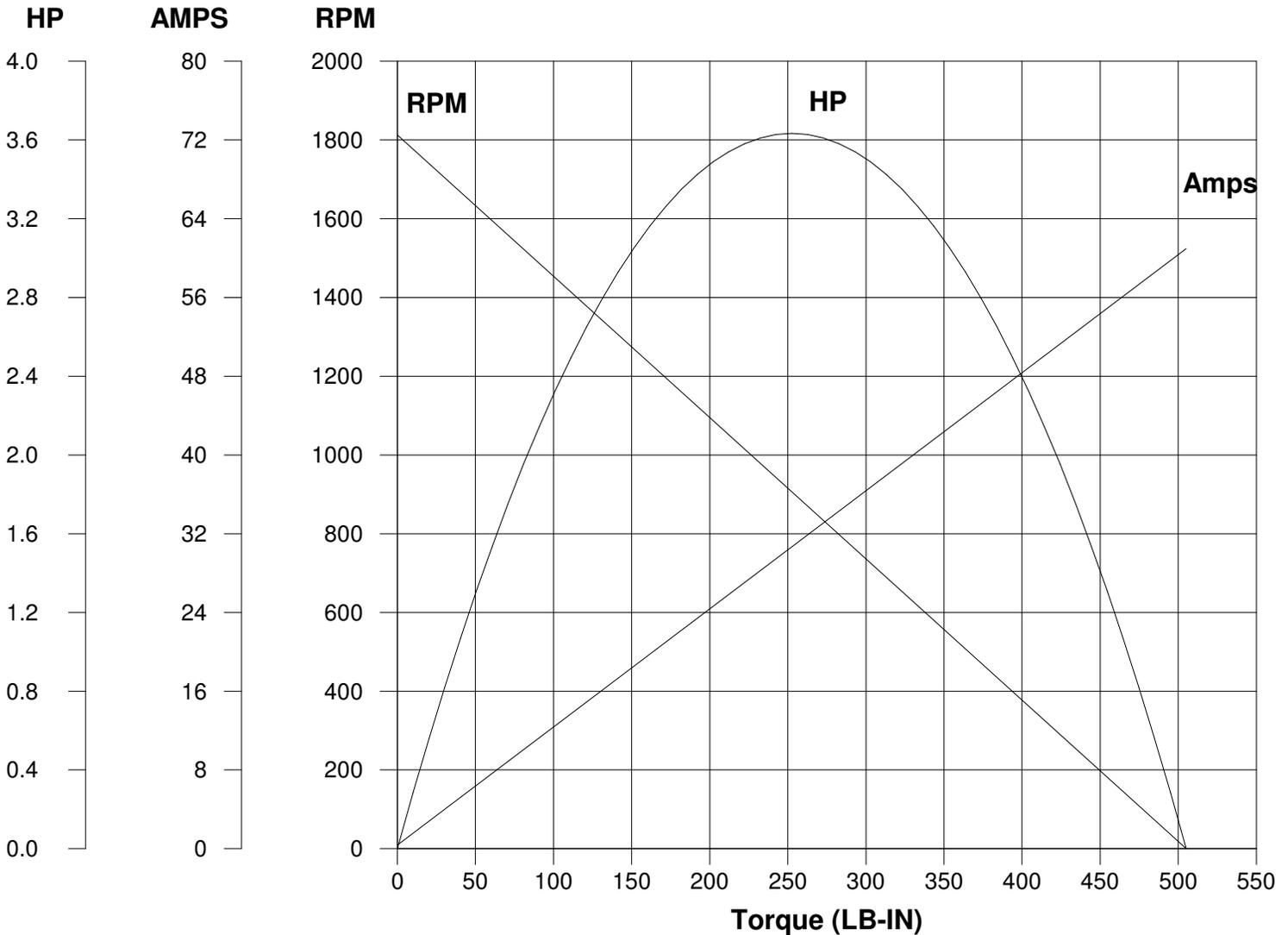
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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>C4D17WK2</u>	Catalog No. <u>108231.00</u>	
HP <u>1.000</u>	RPM <u>1750</u>	DC Volts <u>180.0</u>
F.F. <u>1.38</u>	Encl <u>TEFC</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>5.00</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



**Ra** 1.7000 Ohms  
**La** 23.60 mHenrys  
**Ja** 14.40 LB-IN<sup>2</sup>  
**Ke** 98.89 V/KRPM

**Kt** 8.359 LB-IN/AMP  
**Imax** 50.0 AMPS Allowed  
**FL Torque** 36.00 LB-IN  
**FL EFF** 85.00 %

**Winding W-** D5626-1      **Prepared by** S. Bernhardt      **Date** 05-06-2009