

PRODUCT INFORMATION PACKET



Model No: 131638.00
Catalog No: 131638.00
Special Voltage Motor, 5 HP, 1 Ph, 50 Hz, 220 V, 3000 RPM, 184T Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

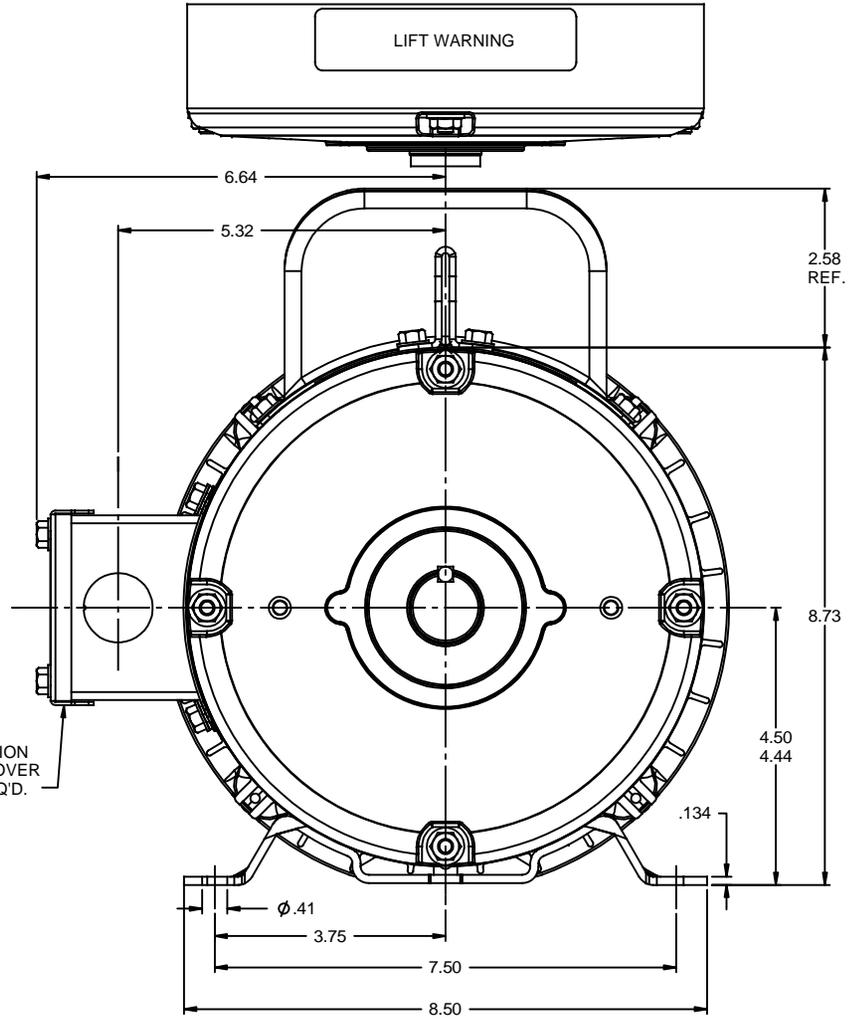
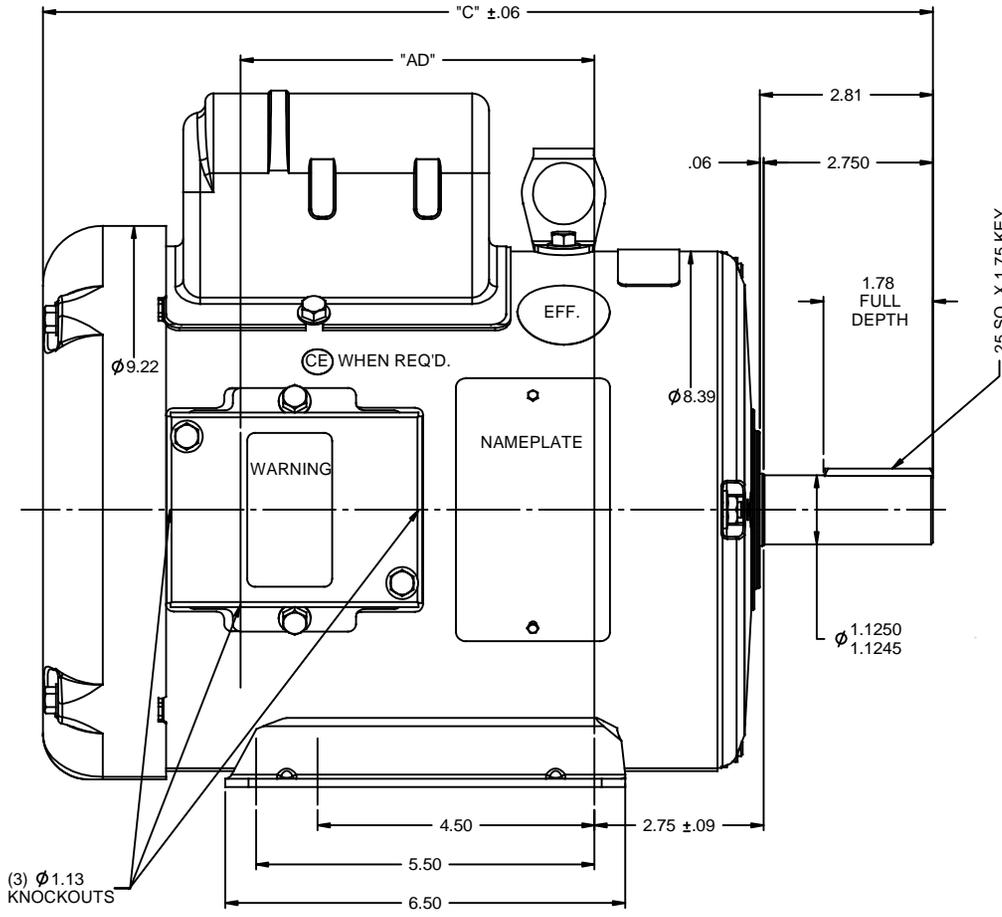
Phase	1	Output HP	5 Hp
Output KW	3.7 kW	Voltage	220 V
Speed	2875 rpm	Service Factor	1.0
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	50 Hz
Current	20.5 A	Power Factor	98
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.3633 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.46 in
Frame Length	12.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035352-1200	Connection Drawing	005413.01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:01/13/2025

RBC PROPRIETARY AND CONFIDENTIAL INFORMATION
 This document is the property of REGAL BELOIT CORPORATION ("RBC") including its subsidiaries and divisions and contains proprietary information of RBC. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of RBC, and that the information shall be used by the recipient only as approved expressly by RBC. This document shall be returned to RBC upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.



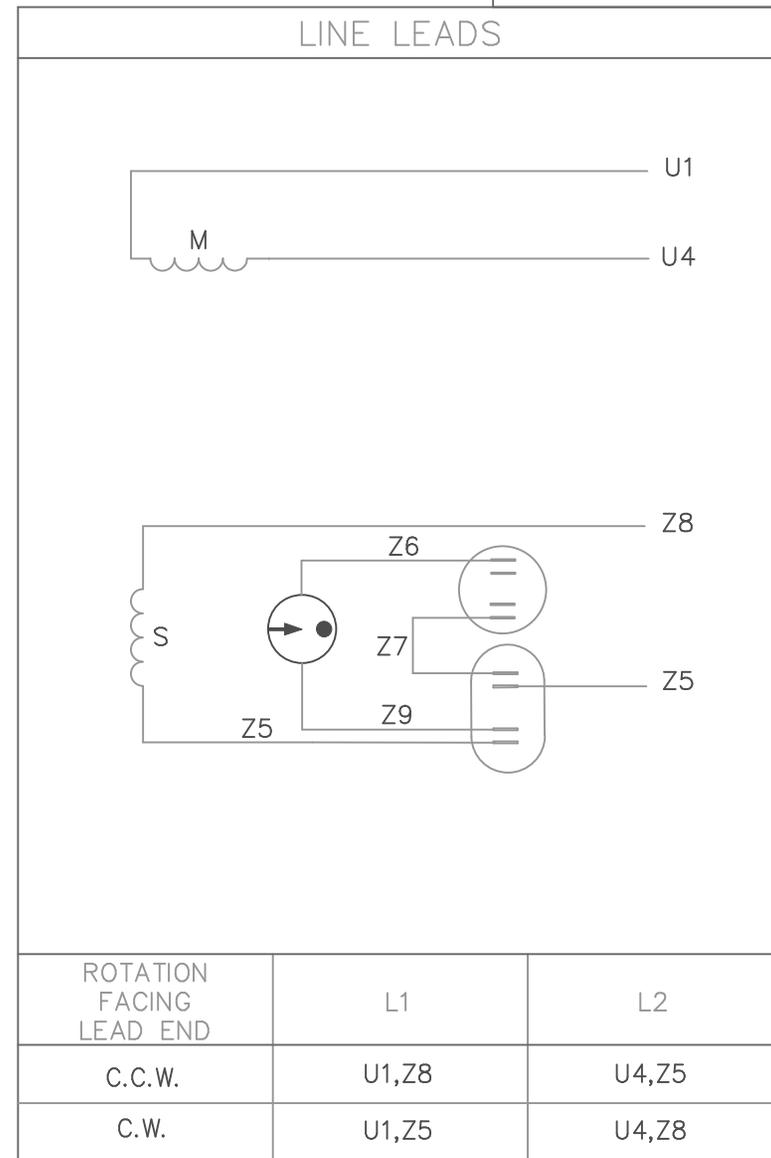
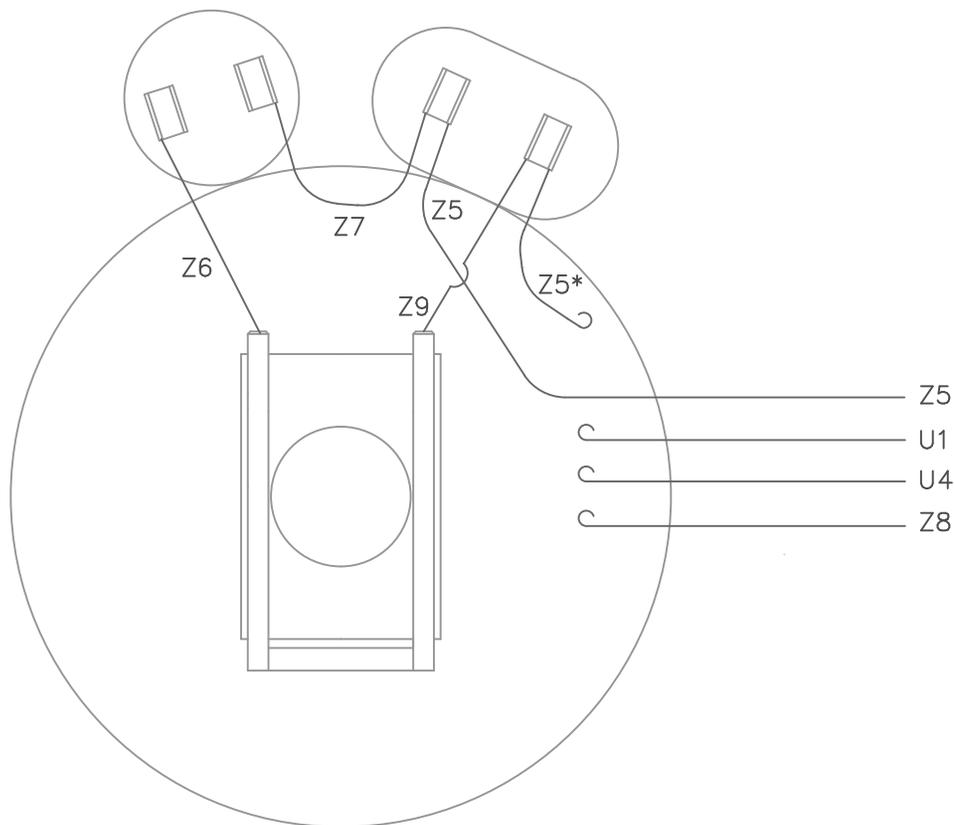
DECAL-
CONNECTION
UNDER COVER
WHEN REQ'D.

DASH NO.	"C"	"AD"
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25
1200	17.46	8.75

GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED:		REGAL-BELOIT CORPORATION	DRAWN PG 6/20/97
		DEC	INCHES		CHK RK 6/20/97
		x	±.1		APPR
		.xx	±.03	TITLE OUTLINE - 180T FRAME	SCALE 1:2
		.xxx	±.005	TEFC - RIGID MOUNT	REF
- UPDATED & REDRAWN TO SOLIDWORKS		LST 12/15/2009	XX .xxx± ±.0005	MATL	FMF
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH	PAGE OF
			RFP	PREV	
THIRD ANGLE PROJECTION				SIZE B	DRAWING NO 035352
				NETWORK FILE NAME	REV -

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION	
				DECIMALS			
				.00	± .01	DRAWN DBT 07/21/97	TITLE
				.000	± .005	CH'K'D.	EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR
01	ADDED NOTE *	KA	03/24/2008	.0000	± .0005	APPR.	MAT'L.
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1	DECAL - 80670
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				ANGLES	± 1/2"	REF. 005018-01	FINISH I.E.C.
				INCH/MM		FMF	MARKINGS

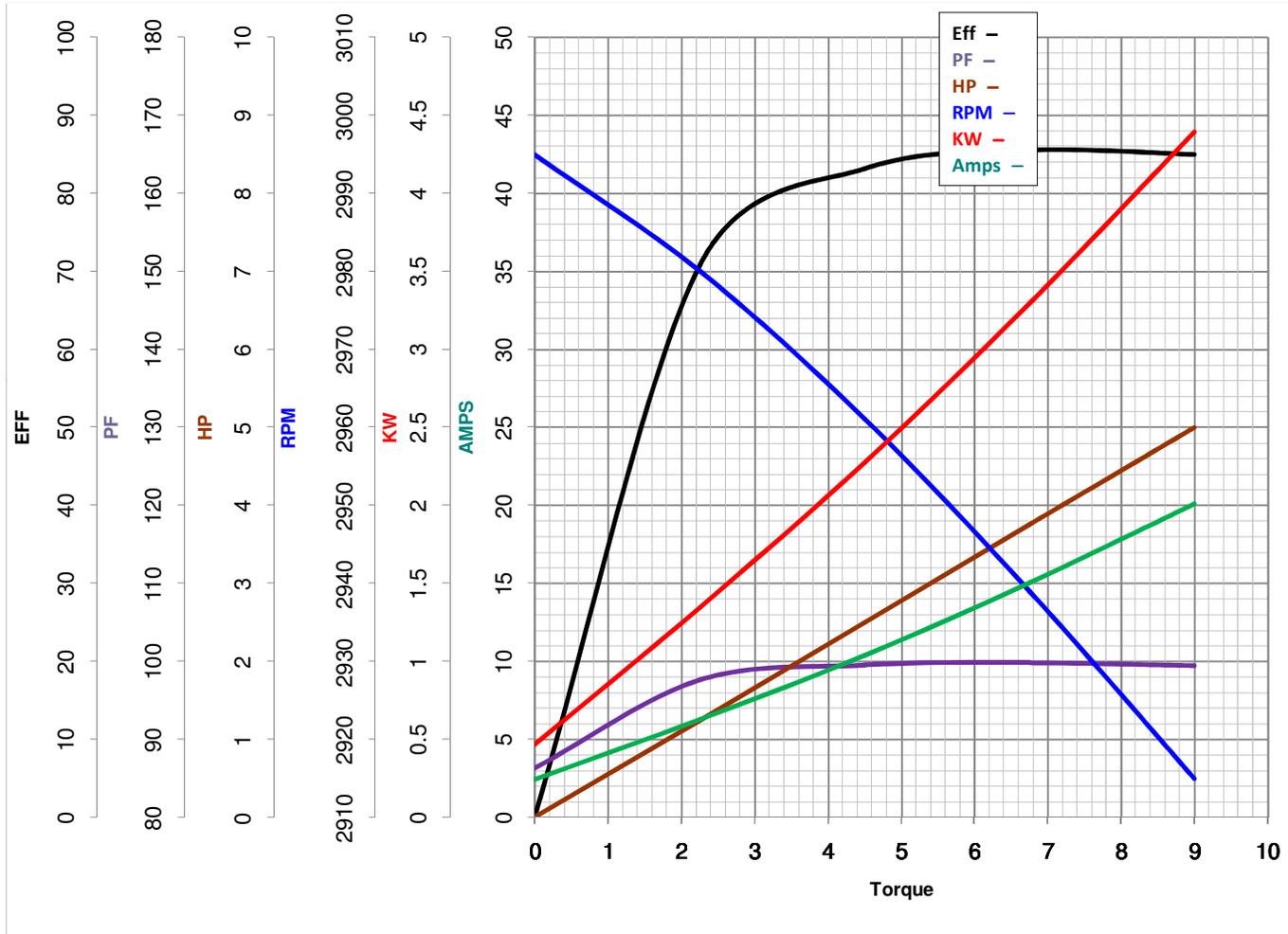


LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131638.00

Catalog No 131638.00

Curve at 220 Volts HP 5.00 PHASE 1
50 HZ
5 HP VOLTS 220
 HZ 50 RPM 2875



Torque in lb-Ft

FL TORQUE 9 lb-Ft
 BD TORQUE 20.5 lb-Ft
 LR TORQUE 22.9 lb-Ft

FL AMPS 20.5
 PU TORQUE 19.8 lb-Ft
 LR AMPS 135

WINDING K8226-4

Date 3/26/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 131638.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 131638.00

Rework No : N/A

Directives :

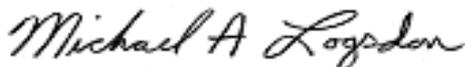
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22