

PRODUCT INFORMATION PACKET



Model No: 113908.00

Catalog No: 113908.00

Special Voltage Motor, 0.33 HP, 1 Ph, 50 Hz, 110/220 V, 1500 RPM, 56 Frame, TEFC



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E





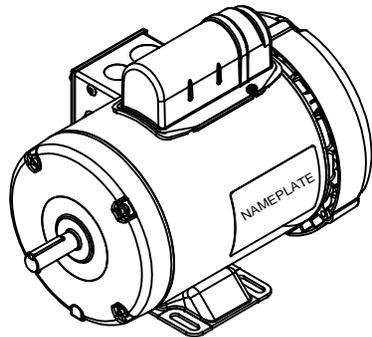
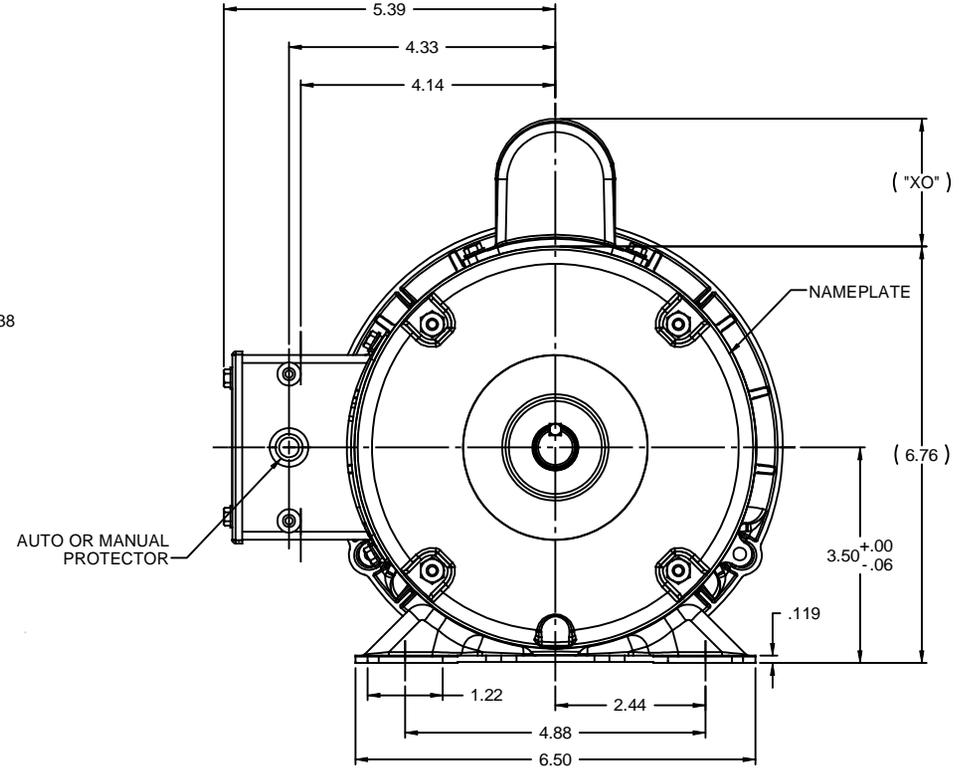
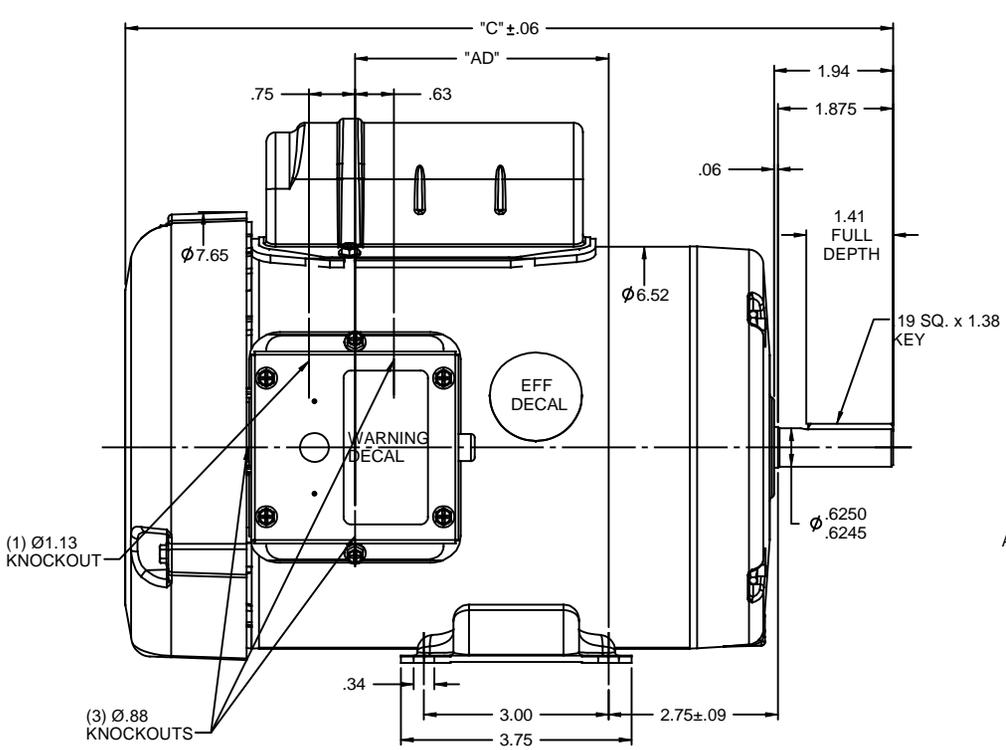
Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	50 Hz	Voltage	110/220 V
Current	6.4/3.2 A	Speed	1425 rpm
Service Factor	1	Phase	1
Efficiency	65.3 %	Power Factor	60.5
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.98 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028879-550A	Connection Drawing	005382.02

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.



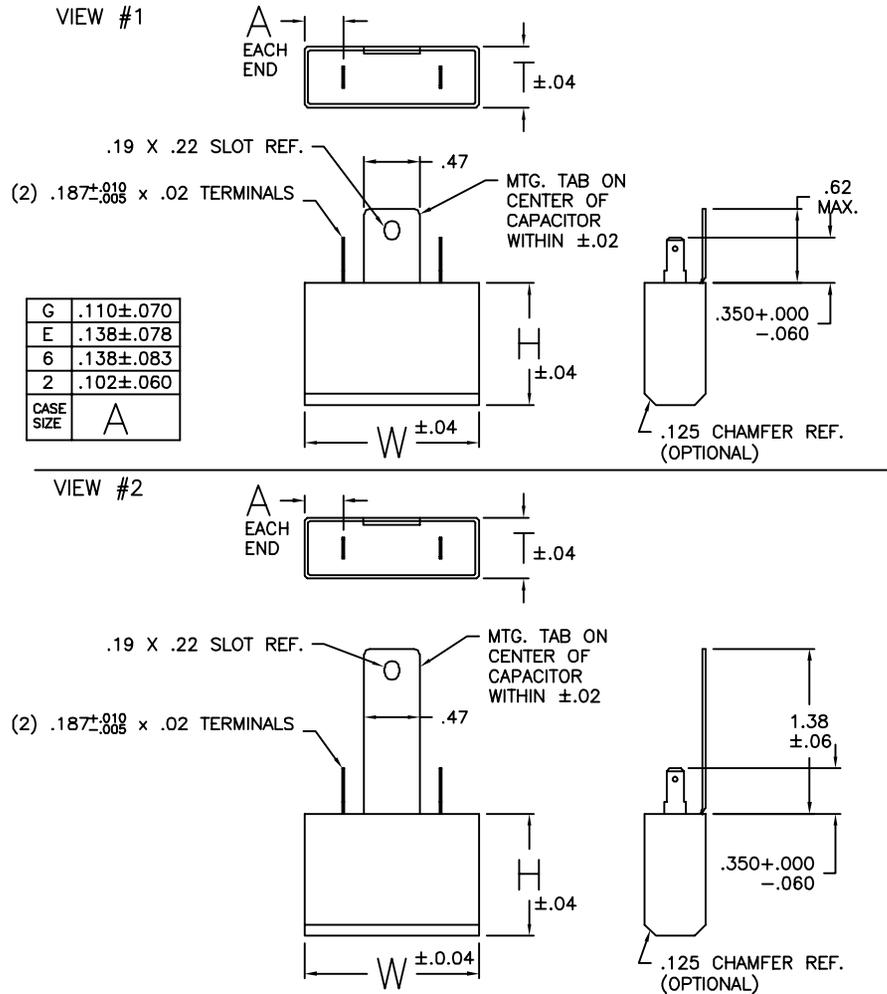
DASH NO.	"C"	"AD"	CAP DASH	"XO"
500	10.48	2.13	A	1.61
550	10.98	2.63	B	2.08
600	11.48	3.13	C	2.32
650	11.98	3.63		
700	12.48	4.13		

NOTES:
 1) GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED:		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN							
DEC	INCHES			DJ 09/04/08							
X	±.1			CHK							
XX	±.03	TITLE	OUTLINE - 56 FRAME	SCALE	1:2						
XXX	±.005	REF	TEFC - RIGID	REF	028793						
01	ADD "AUTO OR MAN. PROT." PER ISAAC 09-5354	LST	12/16/2009	XX	XXX	±.0005	MATL	FINISH	GENERAL PURPOSE	PAGE	OF
NO	REVISION	BY & DATE	CHK	ANG	±1/2"	RFP	PREV	SIZE	DRAWING NO	REV	
	THIRD ANGLE PROJECTION							B	028879	01	

REV	REFERENCE ECN	REFERENCE PROJECT	REV BY	DATE	APPD	DATE
J.00	ECN-01172301	PRJ-01172301	sbowli	10-13-2005		

60P84



NOTES:

1. U.L. RECOGNIZED CAPACITOR. UL MARKING TO BE STAMPED ON CAPACITORS.
2. METALLIZED POLYPROPYLENE CAPACITOR.
3. MAX. OPERATING TEM. -85° C.
4. POTTING COMPOUND CAN BE EITHER BLACK (URETHANE) OR BLUE (POLYURETHANE).

22	3	250	.58	1.02	1.44	1	JE2E032	2
21	3	370	.75	1.15	1.46	1	JF1G095	G
20	OBSOLETE							
19	6	250	.58	1.02	1.44	2	JF1G072	2
18	2.5	250	.58	1.02	1.44	1	JE2C005	2
17	5	250	.58	1.02	1.44	2	JF1G072	2
16	2	370	.75	1.15	1.46	1	JE2F032	G
15	2	250	.58	1.02	1.44	1	JE2E020	2
14	OBSOLETE							
13	6	250	.58	1.02	1.44	1	JE2F025	2
12	10	250	.75	1.15	1.46	1	CE2F014	G
11	5	250	.58	1.02	1.44	1	JE1E017	2
10	4	250	.58	1.02	1.44	1	JE1D006	2
9	7.5	250	.75	1.15	1.46	1	JE1E015	G
8	4	370	.88	1.26	2.11	1	JE1D006	6
7	5	370	.88	1.26	2.11	1	JE1E017	6
6	6	370	.88	1.26	2.11	1	JE1E016	6
5	7.5	370	.93	1.40	2.30	1	JE1E015	E
4	5	370	.88	1.26	2.11	2	JE1H030	6
3	OBSOLETE							
2	4	250	.58	1.02	1.44	1	JE1E011	2
1	15	250	.88	1.26	2.11	1	JE2G071	6
GR. NO.	MFD ±10%	VAC	T	H	W	VIEW	FIRST USED ON	CASE SIZE

USE GRP. 10

GEOMETRIC CHARACTERISTICS & SYMBOLS
 □ FLATNESS
 — STRAIGHTNESS
 ∠ ANGULARITY
 ⊥ PERPENDICULARITY (SQUARENESS)
 // PARALLELISM
 ○ ROUNDNESS (CIRCULARITY)
 Ⓞ CYLINDRICITY
 △ PROFILE OF ANY SURFACE
 ∩ PROFILE OF ANY LINE
 ↗ RUNOUT
 ⊕ TRUE POSITION
 ⊙ CONCENTRICITY
 = SYMMETRY

UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:
 X XX XXX XXXX
 INCH ±.1 ±.02 ±.005 ±.0005
 mm ±0.5 ±0.13 ±0.013
 ANG. ±.50 DEG
 REMOVE BURRS & BREAK SHARP EDGES:
 INCH .003-.015 mm 0.1-0.4
 CORNER FILLETS TO:
 INCH .020 mm 0.5
 MACHINE SURFACES:
 INCH 125 mm 3:2
 METRIC DIMS. SHOWN IN [BRACKETS]

DR BY: jimerm 12-03-2002
 APPD:
 THIRD ANGLE PROJECTION
 EDS DATE
 FORMAT REV B
 CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP.
 -ALL RIGHTS RESERVED.

A.O. SMITH
 ELECTRICAL PRODUCTS COMPANY
TIPP CITY, OHIO

A DIVISION OF A. O. SMITH CORPORATION
COPYRIGHT 1995

DESCRIPTION: **DRY FILM CAPACITOR**
60P84

SCALE: NONE

DWG NO: **00538202**

SHEET 1



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005382.02
OUTLINE: 028879-550A
WINDING #: C634270 FR 4 B

CATALOG #: 113908.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3	0.25	1500	1425	56	TEFC	L	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	50	110/220	6.4/3.2	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	65.3	3/4 LOAD EFF:	61.3	1/2 LOAD EFF:	53.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	60.5	3/4 LOAD PF:	48.6	1/2 LOAD PF:	39.1	62	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
19.29 OZ-FT	29.8 / 14.9	73.46 OZ-FT 381 %	57.3 OZ-FT 297 %	59

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.05 LB-FT^2	0 LB-FT^2	10 SEC.	0	23 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E
S
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
FT-LB V NONE Hz

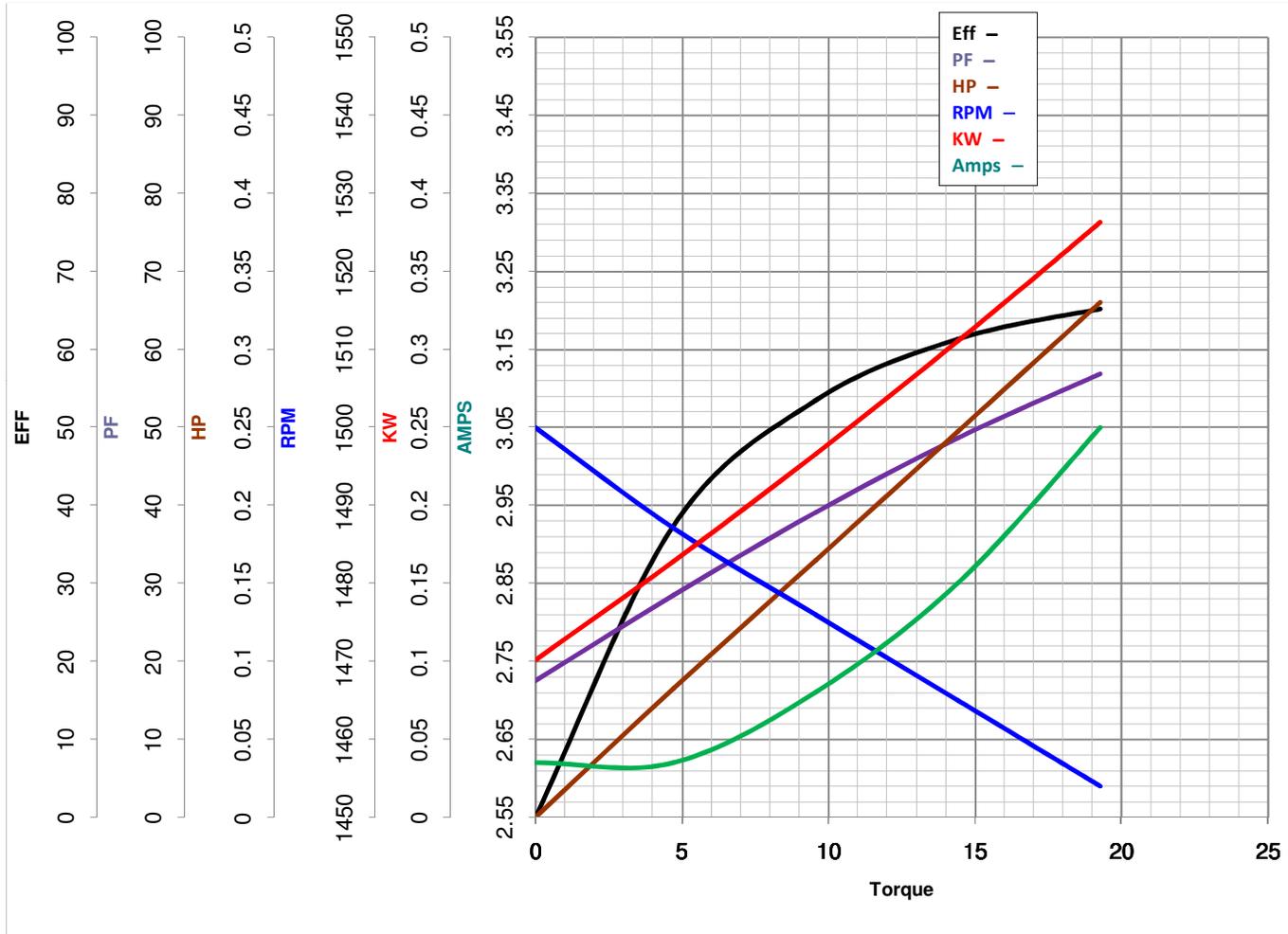


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 113908.00

Catalog No 113908.00

Curve at 220 Volts HP 0.34 PHASE 1
50 HZ
0.33 HP VOLTS 110/220
HZ 50 RPM 1425



FL TORQUE	<u>19.29</u> Oz.Ft	FL AMPS	<u>6.4/3.2</u>
BD TORQUE	<u>57.3</u> Oz.Ft	PU TORQUE	<u>56.7</u> Oz.Ft
LR TORQUE	<u>73.46</u> Oz.Ft	LR AMPS	<u>14.9</u>
WINDING	C634270-4	Date	3/16/2018

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 : 113908.00

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

Catalog No : 113908.00

Rework No : N/A

Directives :

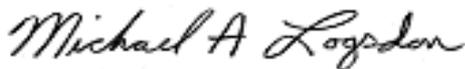
Low Voltage Directive 2014/35/EU

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