

PRODUCT INFORMATION PACKET



Model No: 113919.00

Catalog No: 113919.00

Special Voltage Motor, 1 HP, 1 Ph, 50 Hz, 110/220 V, 3000 RPM, 56 Frame, TEFC



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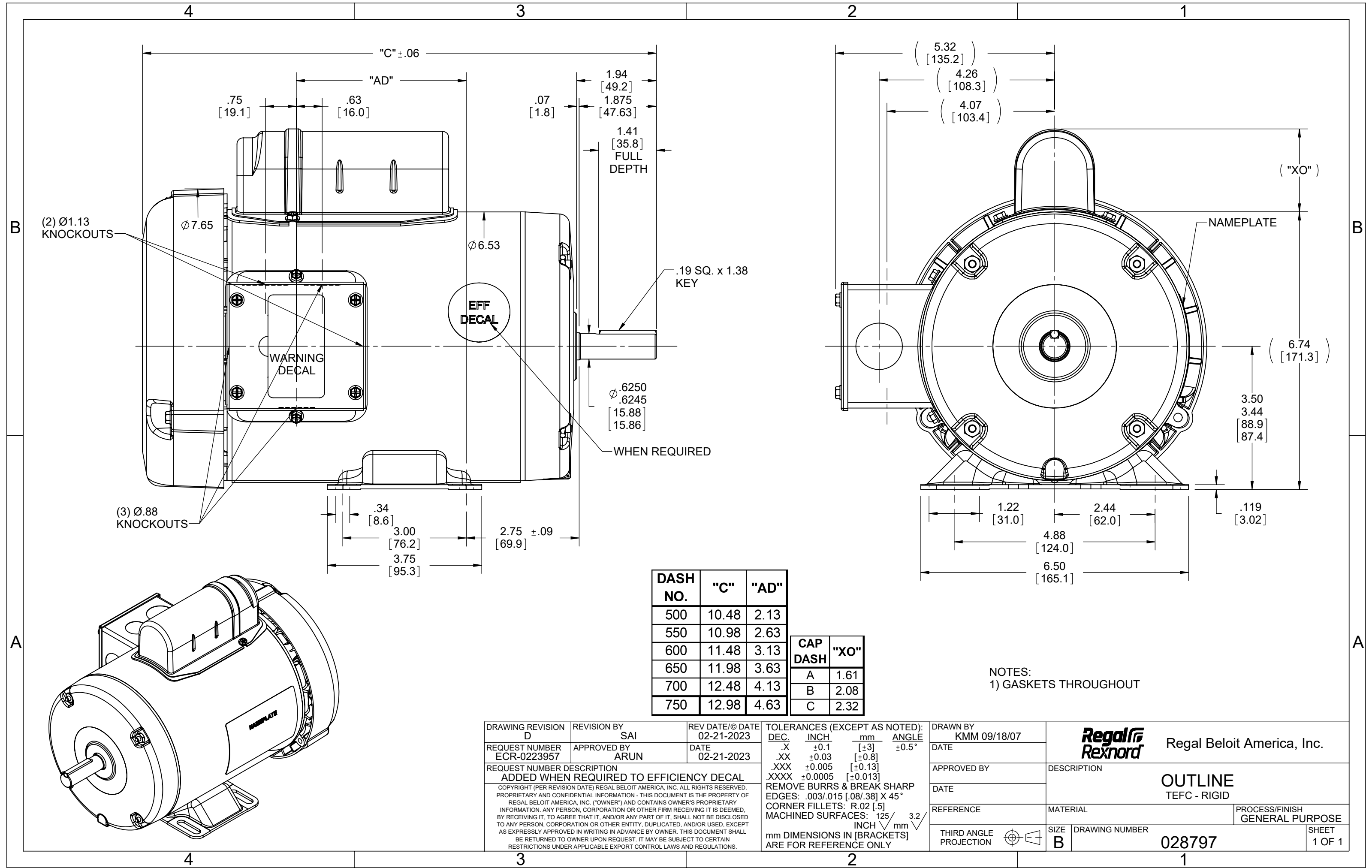


Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	110/220 V
Speed	2850 rpm	Service Factor	1
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	66 %
Ambient Temperature	40 °C	Frequency	50 Hz
Current	13.2/6.6 A	Power Factor	78
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	J
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	2	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	11.98 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028797-650B	Connection Drawing	005390.01

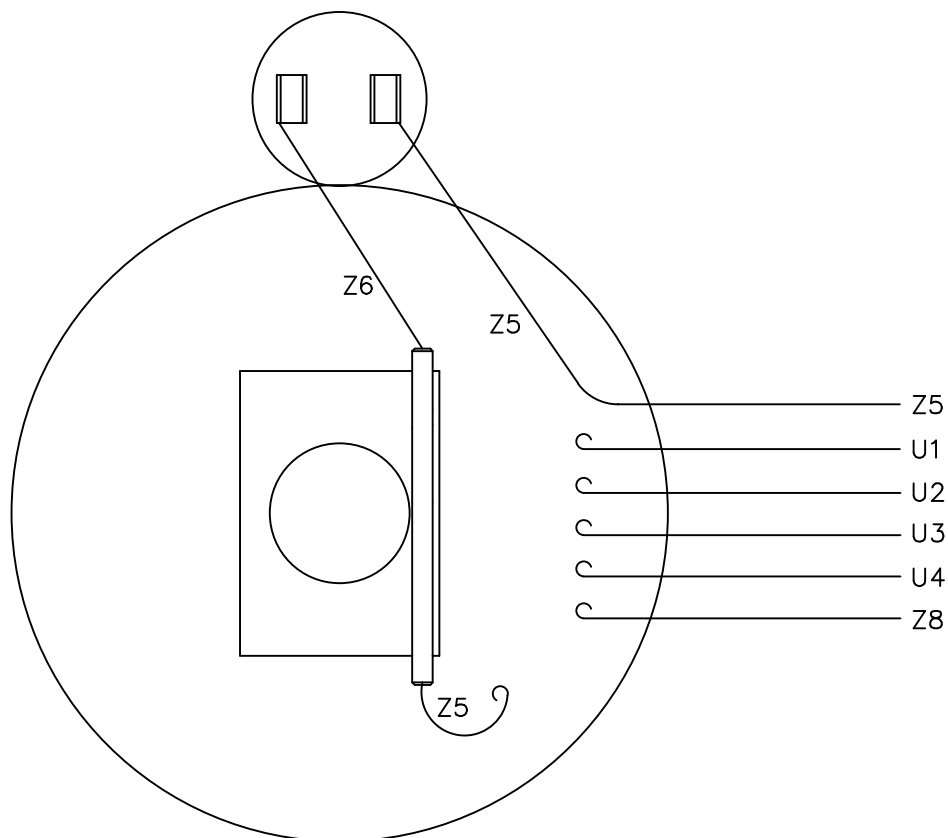


DASH NO.	"C"	"AD"
500	10.48	2.13
550	10.98	2.63
600	11.48	3.13
650	11.98	3.63
700	12.48	4.13
750	12.98	4.63

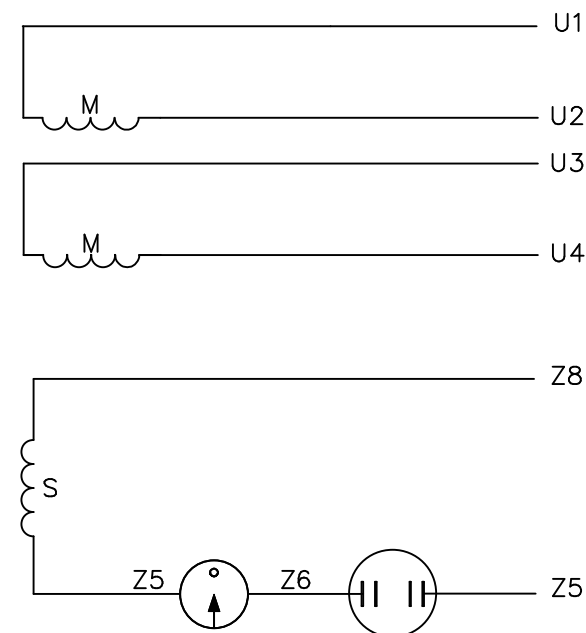
CAP DASH	"XO"
A	1.61
B	2.08
C	2.32

DRAWING REVISION D	REVISION BY SAI	REV DATE/© DATE 02-21-2023	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [5] MACHINED SURFACES: 125 INCH mm 3.2 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY KMM 09/18/07	 Regal Beloit America, Inc.		
REQUEST NUMBER ECR-0223957	APPROVED BY ARUN	DATE 02-21-2023		DATE	DESCRIPTION OUTLINE TEFC - RIGID		
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				DATE	REFERENCE	MATERIAL	
			THIRD ANGLE PROJECTION 	SIZE B	DRAWING NUMBER 028797		SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	U1	U4 Z5	U2,U3 Z8
	C.W.	U1	U4 Z8	U2,U3 Z5
LOW VOLT	C.C.W.	U1,U3 Z8	U2,U4 Z5	---
	C.W.	U1,U3 Z5	U2,U4 Z8	---

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2"

ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN RSK 09/09/96

CHK

APPD

SCALE 1=1

REF 005005-01

FMF 114964.00

PREV

NO. REVISION BY & DATE

CHK

RFP

DIST

TITLE

EXTERNAL WIRING DIAGRAM
TYPE "C" W/O PROTECTOR

MAT'L.

DECAL - 080642

FINISH

LEESON CANADA

SIZE

A

DRAWING NO.

005390-01

REV.

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005390.01

CATALOG #: 113919.00

OUTLINE: 028797-650B

MOUNTING: F1 ONLY

WINDING #: C632241 R1 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	3000	2850	56	TEFC	J	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	50	110/220	13.2/6.6	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	68.1	1/2 LOAD EFF:	62.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	78	3/4 LOAD PF:	67.5	1/2 LOAD PF:	56	62		CAP START IND RUN

F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C
28.9 lb-ft		66 / 33		80 lb-ft 278 %		80 lb-ft 278 %		55

SOUND PRESSURE @ 3 FT.		SOUND POWER		ROTOR WK^2		MAX. WK^2		SAFE STALL TIME		STARTS / HOUR		APPROX. MOTOR WGT
0 dBA		10 dBA		0.053 LB-FT^2		0 LB-FT^2		0 SEC.		0		33 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	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 113919.00

Curve at

220

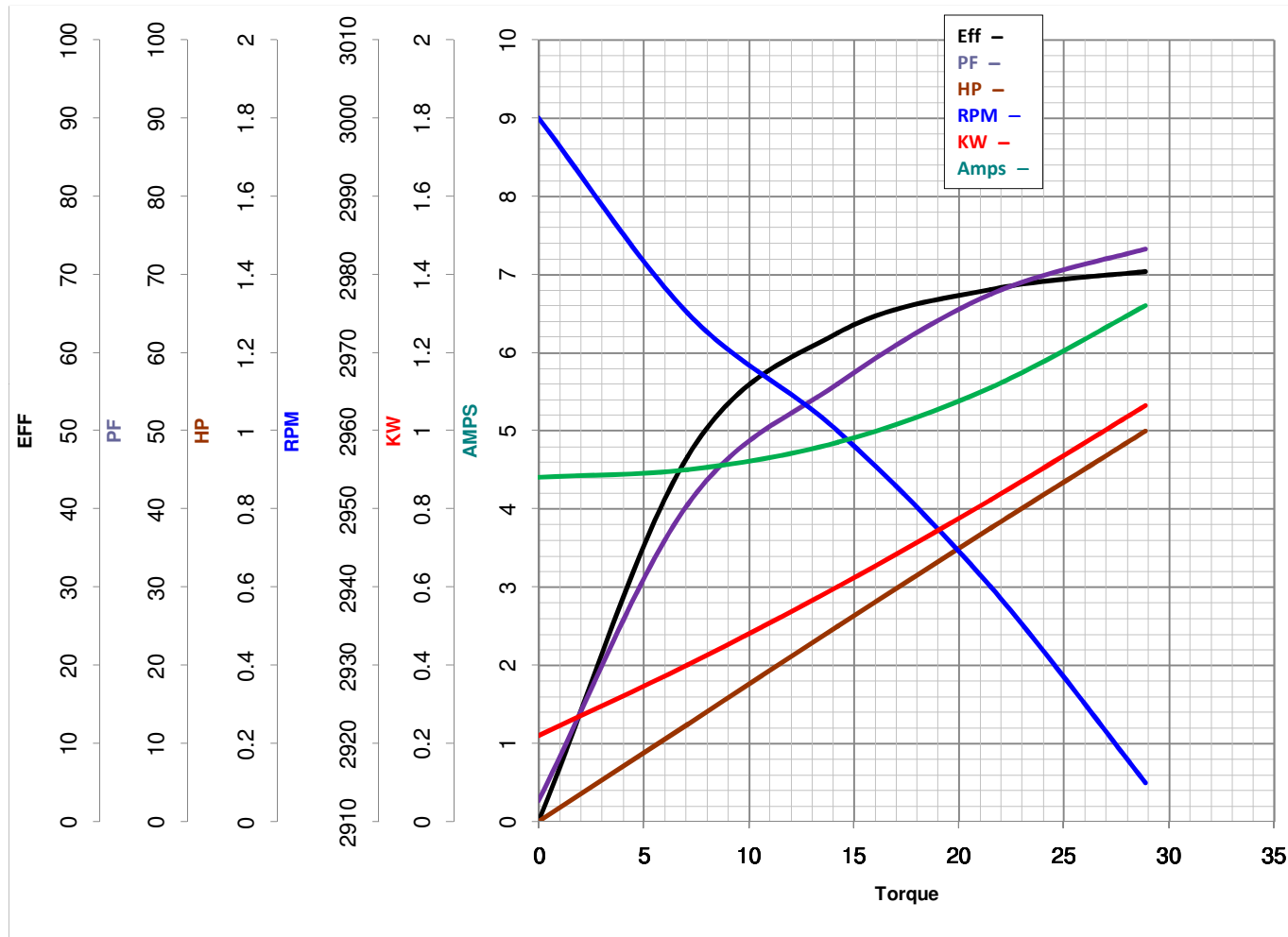
Volts

HP 1.00PHASE 150

HZ

VOLTS 110/2201

HP

HZ 50RPM 2850Catalog No 113919.00

Torque in lb-Ft

FL TORQUE 28.9 lb-FtBD TORQUE 80.0 lb-FtLR TORQUE 80 lb-Ft

WINDING C632241-4

FL AMPS 13.2/6.6PU TORQUE 72.0 lb-FtLR AMPS 33

Date 3/20/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 113919.00

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

Catalog No : 113919.00

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:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25