

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TCFW9061

Catalog No: Z112A

Chore ® General Purpose Farm Duty Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 182TZ Frame, TEFC



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RegalRexnord

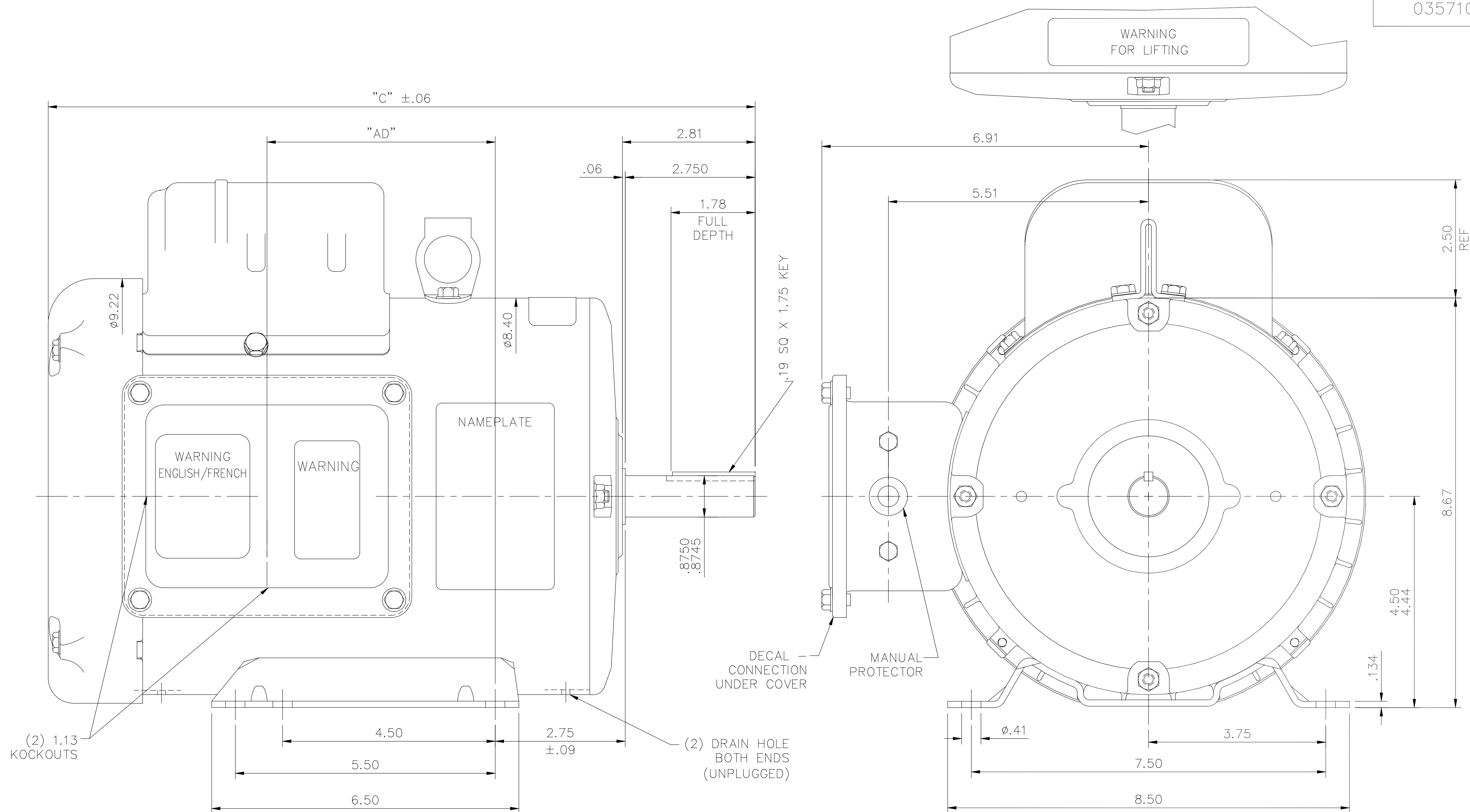
Nameplate Specifications

Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	1760 rpm	Service Factor	1.15
Frame	182TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	74 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	24.0/12.0 A	Power Factor	72.5
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	L
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized (Not Protector)	CSA	Y
CE	Y	IP Code	43
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	Single Special Extension	Overall Length	14.46 in
Frame Length	9.00 in	Shaft Diameter	0.875 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005067.20ME	Outline Drawing	035710-900

035710

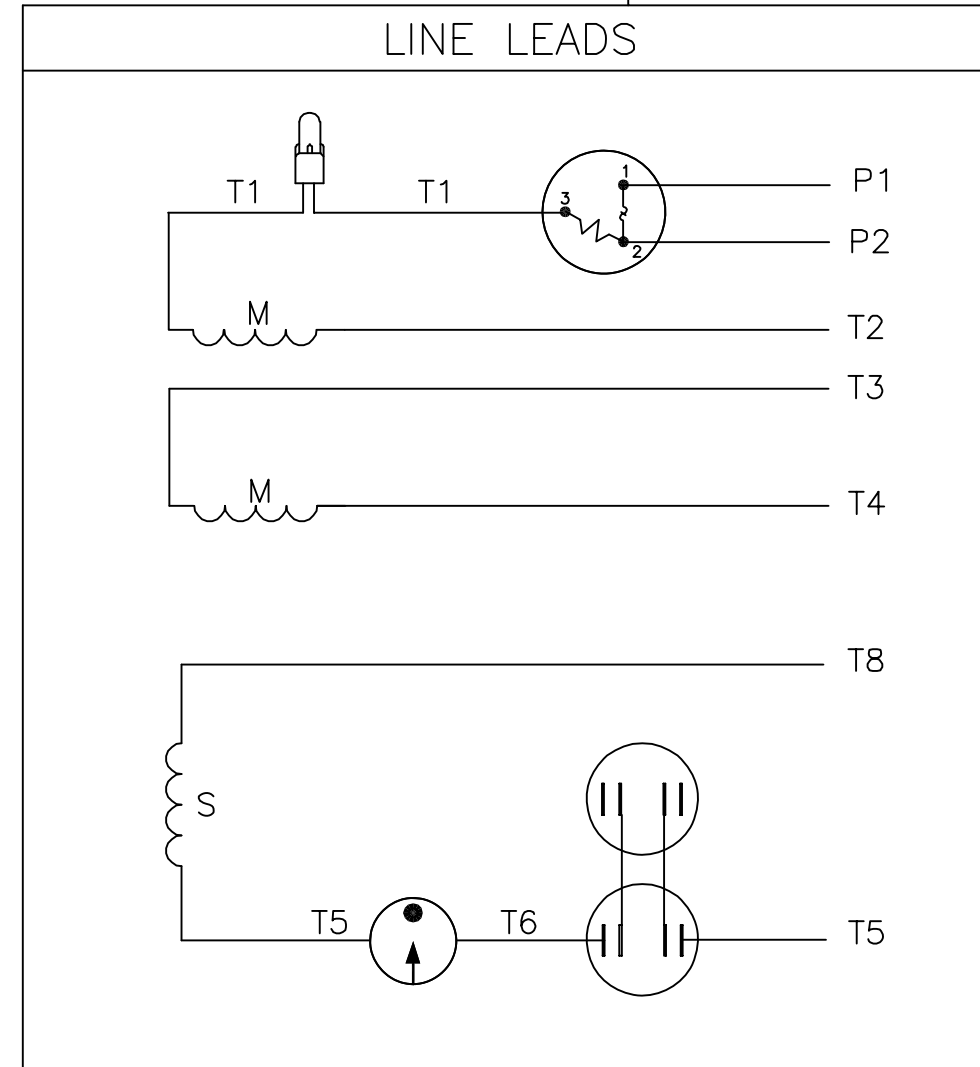
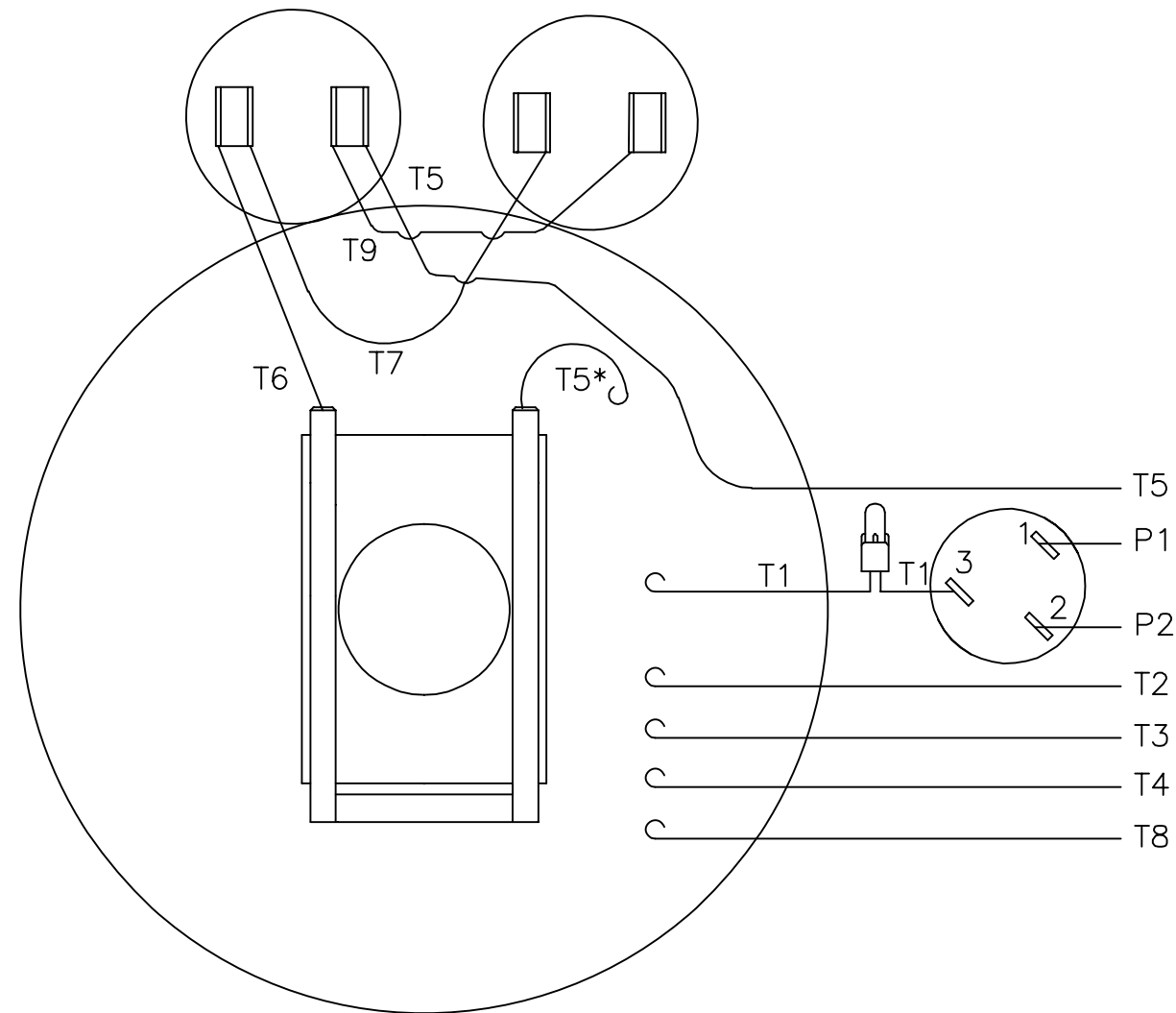


DASH NO.	"C"	"AD"
900	14.46	4.33
950	14.96	4.83
1000	15.46	5.33
1050	15.96	5.83
1100	16.46	6.33
1150	16.96	6.83
1200	17.46	7.33

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN VV 12/20/08	
		DEC.	INCHES			CHK	
		.X	±.1	TITLE		SCALE 1=2	
		.XX	±.03	OUTLINE - 180T FRAME		REF 035474	
		.XXX	±.005	TEFC - RIGID		FMF 182TCFW9061	
A	DRAIN HOLES ADDED	KIR	02/08/16	SS	.XXXX	±.0005	PREV
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	DRAWING NO.	
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	035710	035710
			DIST	NLV	SIZE B		REV. A

005067-20ME

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	
	C.W.	P1	T2,T4 T8	P2,T3 T5	

* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED				DRAWN KA 10/21/08	
		DEC.	INCHES			CHK	
		.X	±.1	TITLE EXT. WIRING DIAGRAM TYPE "C" W/ PROTECTOR		APPD KA 10/21/08	
		.XX	±.01			SCALE 1=1	
B	CHANGES ARE DONE PER ECO-0044037	UD 01/24/14	DS .XXX ±.005	MAT'L. DECAL - 004011		REF 005075-02	
A	ADDED LEAD NUMBERS T7 AND T9	VV 12/20/2008	.XXXX ±.0005			FMF 182TCFR9061	
NO.	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH		PREV	
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 00506720ME	SIZE A	DRAWING NO. 005067-20ME	REV. B
			DIST				



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

HP 2.00

PHASE 1

Model No 182TCFW9061

60

HZ

VOLTS 115/230

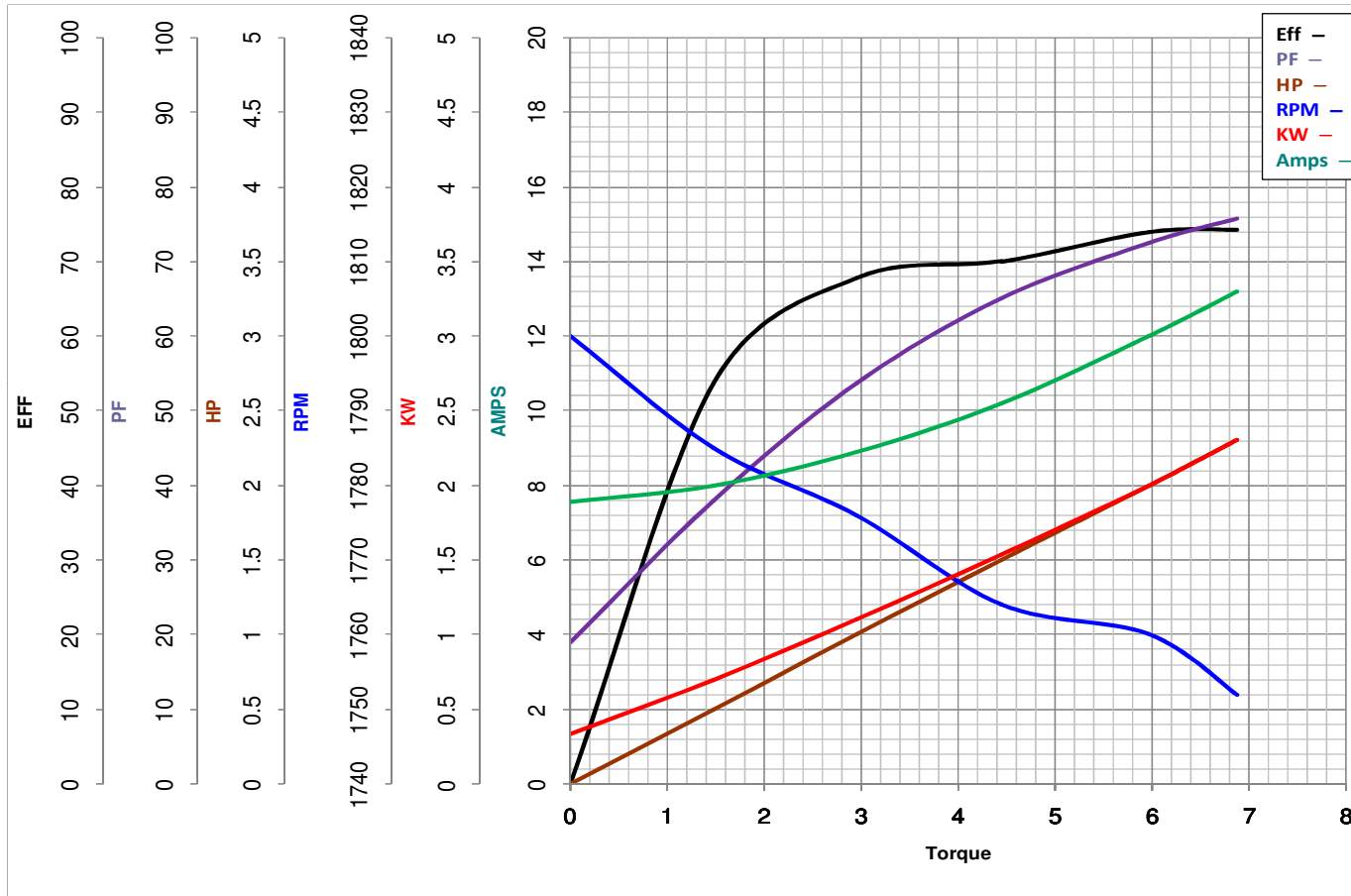
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HP

Catalog No Z112A

HZ 60

RPM 1760



			Torque in Lb.Ft		
FL TORQUE	<u>5.96</u>	Lb.Ft	FL AMPS	<u>24/12</u>	
BD TORQUE	<u>16.7</u>	Lb.Ft	PU TORQUE	<u>16.8</u>	Lb.Ft
LR TORQUE	<u>19.5</u>	Lb.Ft	LR AMPS	<u>80</u>	
WINDING	C8440-3		Date	1/25/2019	

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 : 182TCFW9061

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

Catalog No : Z112A

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