

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 215TBFW7027

Catalog No: I217

General Purpose Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215T Frame, TEFC



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RegalRexnord

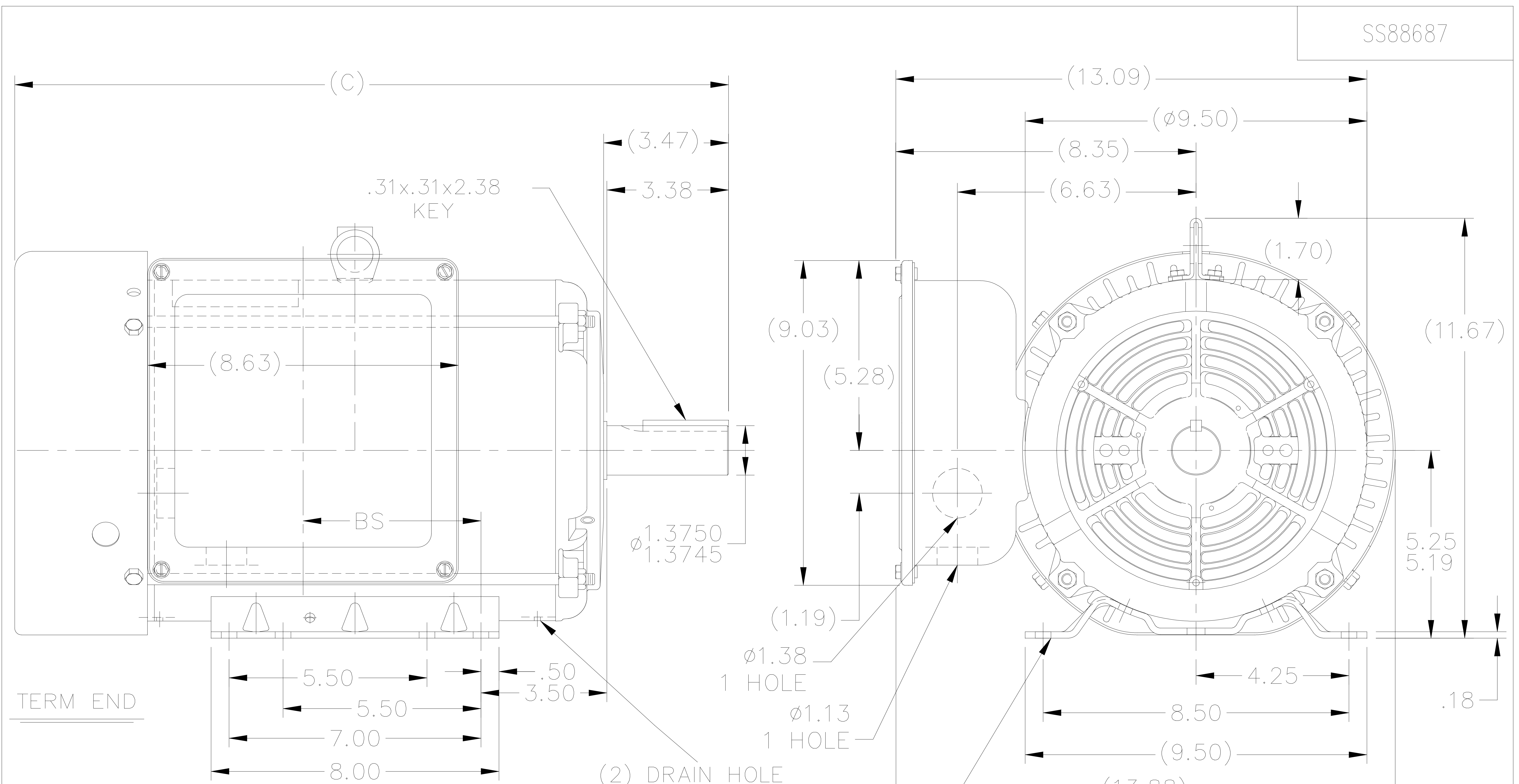
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	41.5 A	Speed	1759 rpm
Service Factor	1	Phase	1
Efficiency	85.5 %	Power Factor	90.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

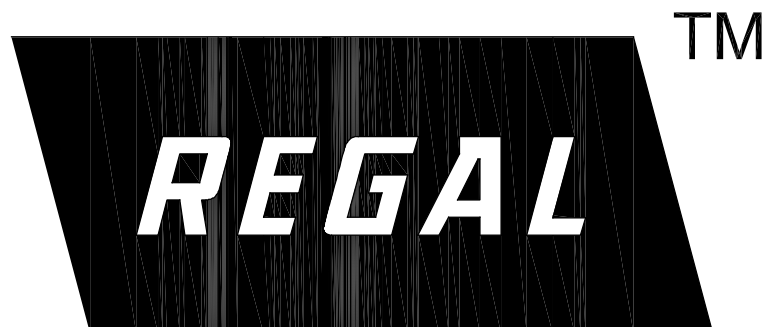
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	21.09 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS88687-1240	Connection Drawing	A-EE9048MF

SS88687

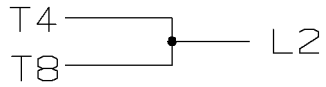
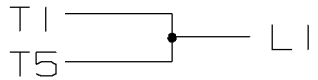


DASH	FR.	C	BS
965	213T	18.34	3.44
1115	213/15T	19.84	4.94
1240	215T	21.09	6.19

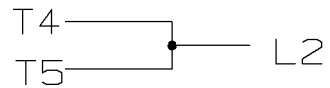
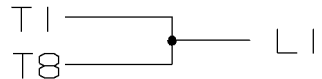
NOTES:
 1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN MJK 07-25-2007						
				DEC.	INCHES		CHK	MG	01-24-2008				
				.X	±.1	TITLE OUTLINE 210 FR. - TEFC - 1 PHASE	APPD	EH	01-24-2008	SCALE	1=4		
				.XX	±.03		REF						
				.XXX	±.005		FMF						
				.XXXX	±.0005		PREV						
A	DRAIN HOLES ADDED			KIR	02/08/16	SS	.XXXX	±.0005	MAT'L.				
NO.	REVISION			BY & DATE	CHK	ANG	±7'30"	FINISH					
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	01-24-2008	CAD FILE ss88687			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB				A	SS88687			A

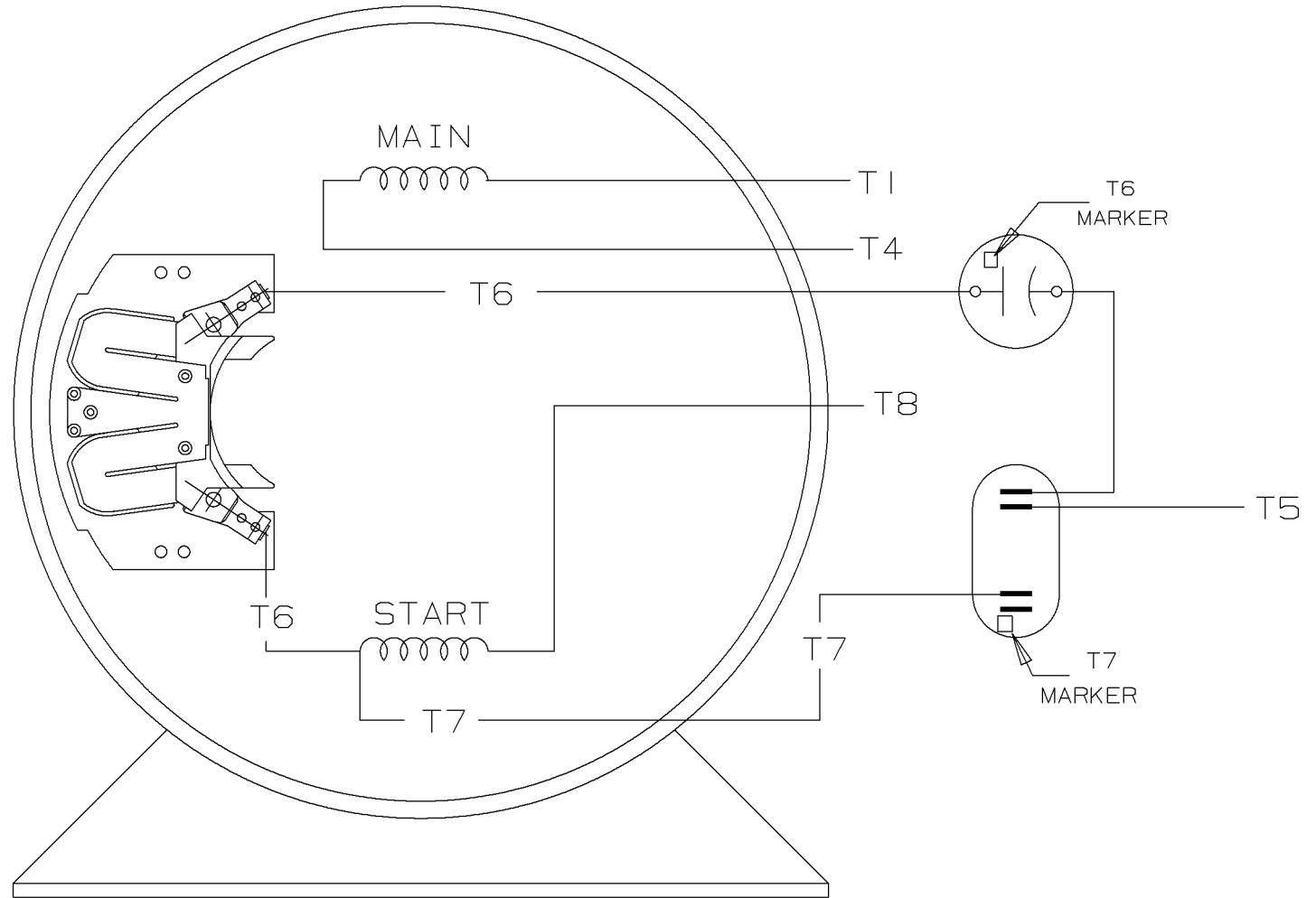
C.W. ROTATION



C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



VIEW OF TERMINAL END

				<input checked="" type="checkbox"/> MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±			
				MATL SPEC	180 - 210 SWITCH	DRAWN BY	GK	11-01-1986
				FINISH		CHKD BY	ML	11-01-1986
				REFERENCE DRW.		WAUSAU, WISCONSIN 54401	APPD BY	FG
				PART NAME	CONNECTION DIAGRAM			DRWG NO
								A-EE9048MF

REV	DATE	CHANGE	NAME	SHOP BOOK	PURCHASED	DISTRIBUTION - WA - LB - WP - LM - BR	CADD FILE NO.	EE9048MF
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CERTIFICATION DATA SHEET

Model#: 215TBFW7027 DD WINDING#: BK104125 NONE 2
 CONN. DIAGRAM: A-EE9048MF ASSEMBLY: F1 ONLY
 OUTLINE: A-SS88687-1240

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.5	1800	1759	215T	TEFC	H	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	41.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 85.5	3/4 LOAD EFF: 84.5	1/2 LOAD EFF: 81	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90.5	3/4 LOAD PF: 89.5	1/2 LOAD PF: 85	0	CAP START CAP RUN	12.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.9 LB-FT	260	55.2 LB-FT 185	79.7 LB-FT 267	95

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	0 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 (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6307	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

*
N
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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
- FT-LB NONE V NONE Hz

DATE: 06/20/2017 06:21:23 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer CATALOG

Curve at

230

Volts

HP 10.00

PHASE 1

Model No 215TBFW7027

60

HZ

VOLTS 230

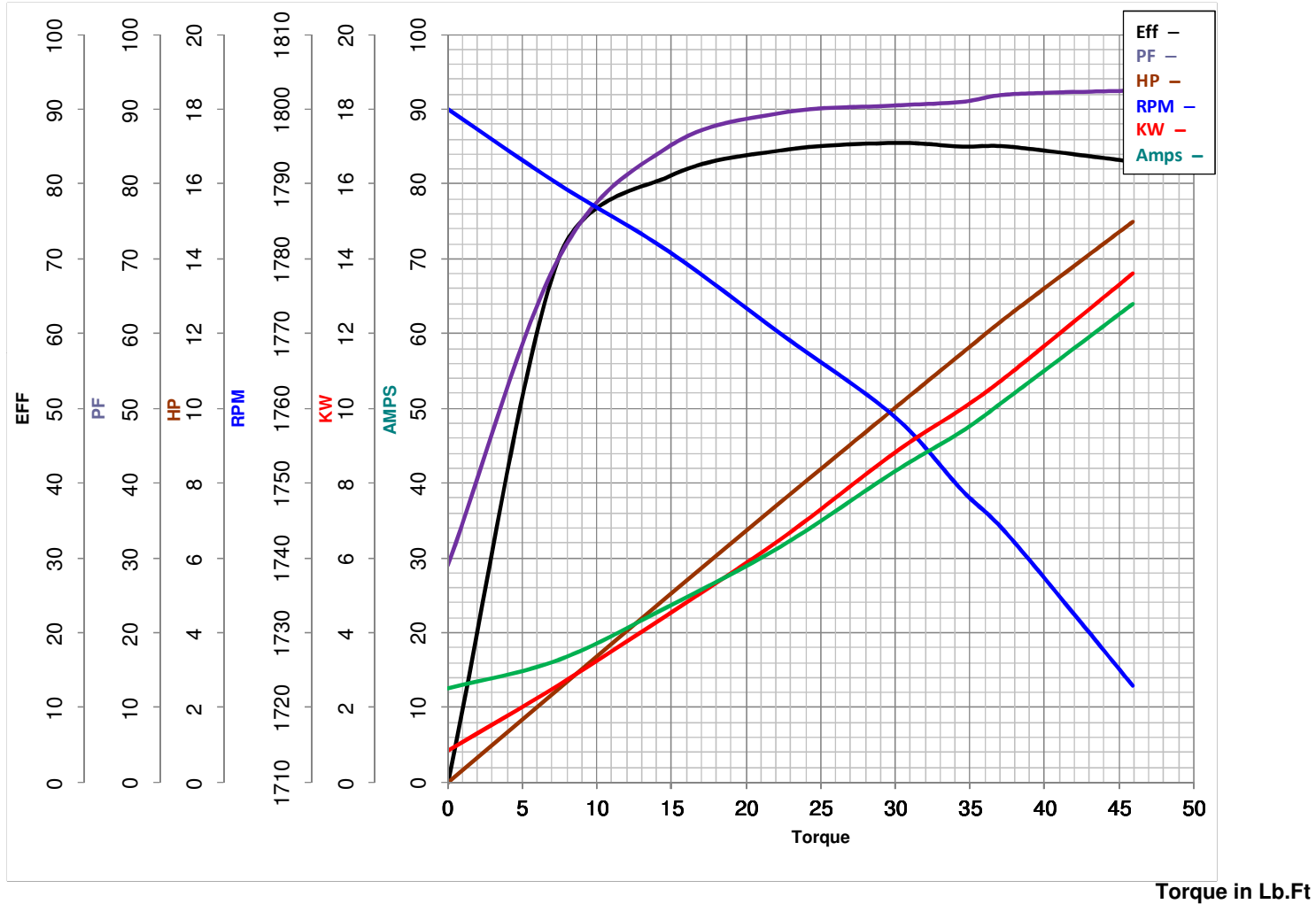
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HP

Catalog No I217

HZ 60

RPM 1759



FL TORQUE 29.9 Lb.Ft
 BD TORQUE 79.7 Lb.Ft
 LR TORQUE 55.2 Lb.Ft

FL AMPS 41.5
 PU TORQUE 53.0 Lb.Ft
 LR AMPS 260

WINDING BK104125-2

Prepared By SRIKANTH

Date 6/20/2017

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 : 215TBFW7027

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

Catalog No : I217

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