

PRODUCT INFORMATION PACKET

Model No: 215TCDW17002

Catalog No: I106

General Purpose Motor, 10 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 215T Frame, DP



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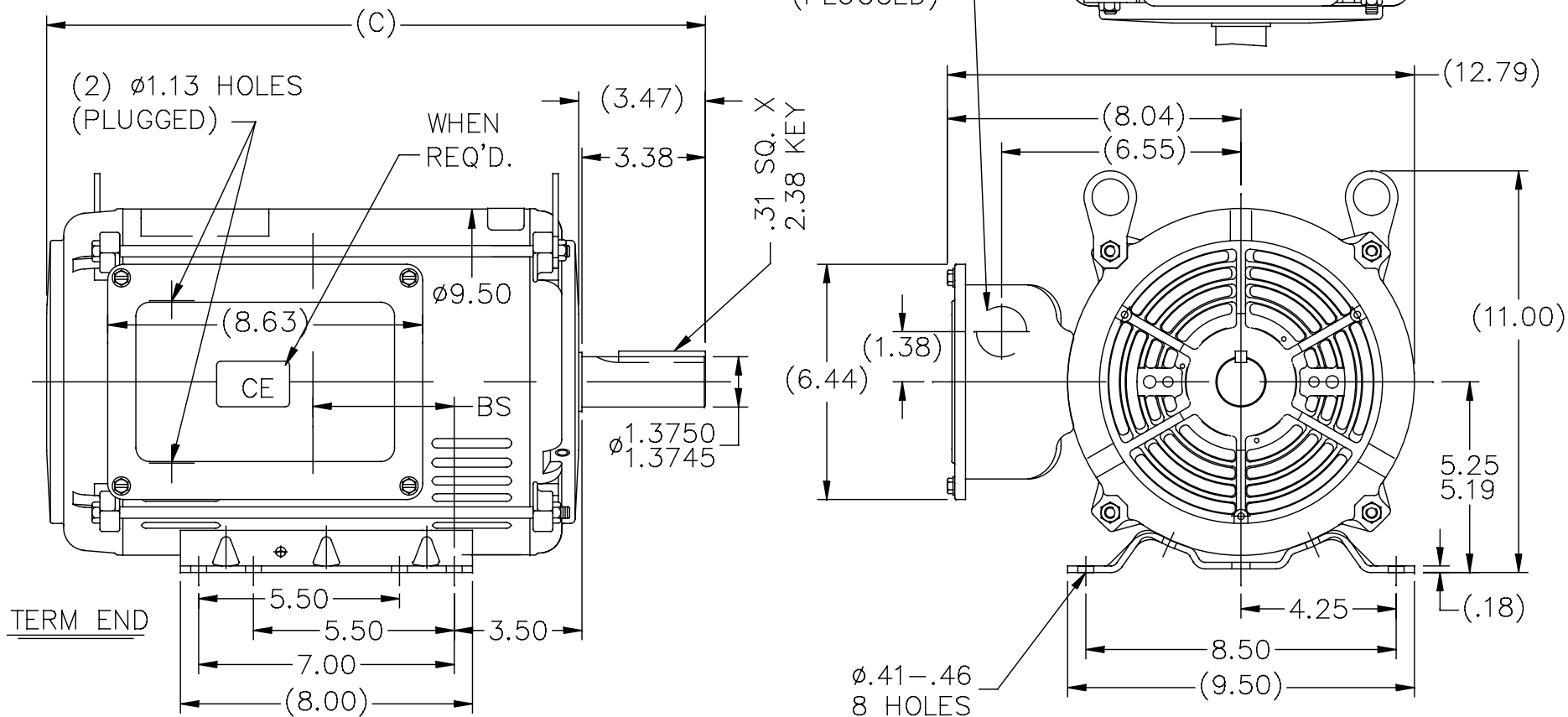
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	208-230 V
Current	50.0-46.0 A	Speed	3495 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Frame	215T	Enclosure	Drip Proof
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	22
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	T	Overall Length	18.05 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037642-1115	Connection Drawing	A-EE7090JR

037642

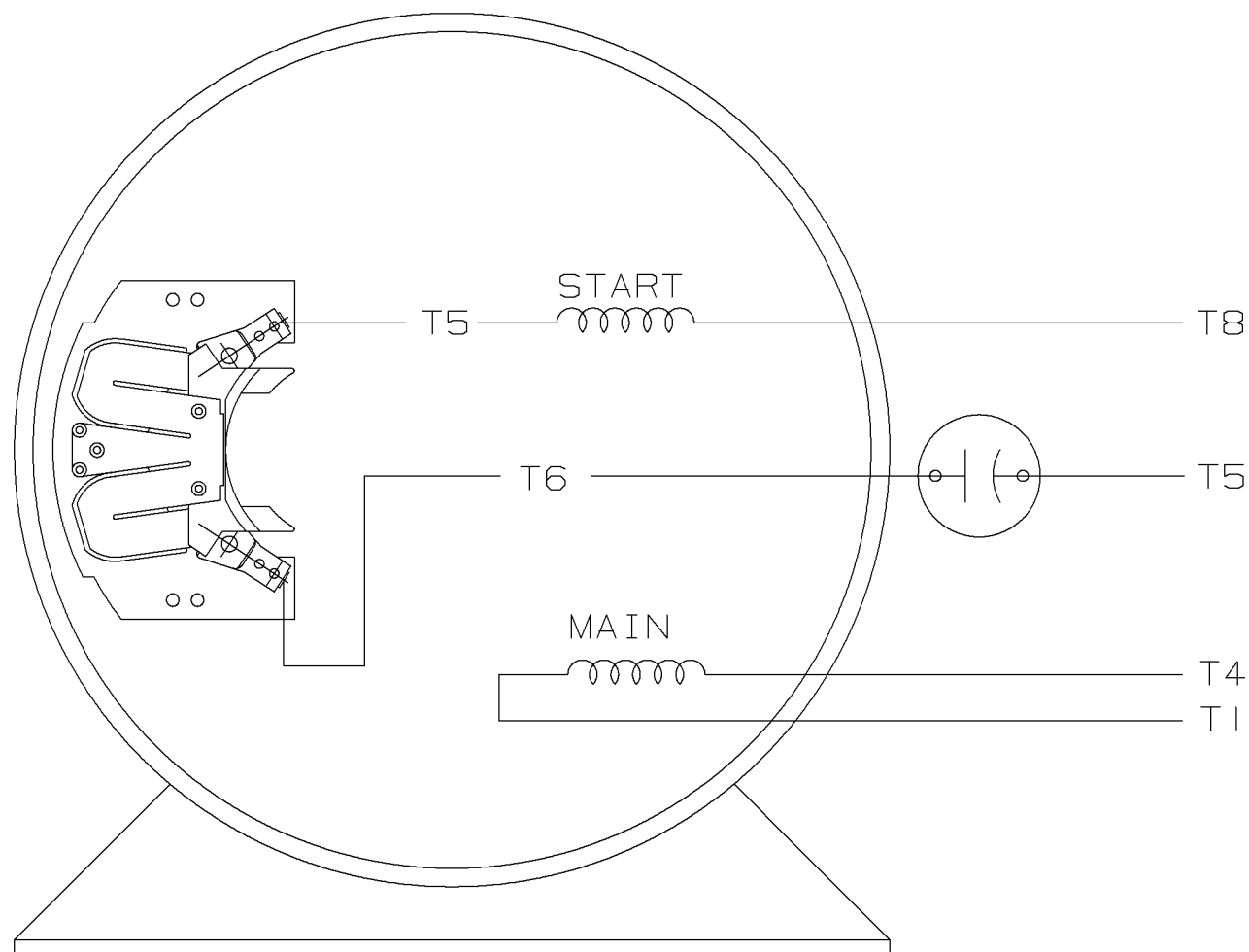
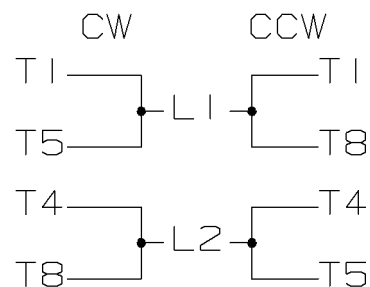


DASH	FR.	C	BS
965	213T	16.55	2.45
1115	213/15T	18.05	3.95
1240	213/15T	19.30	5.20


NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

				TOLERANCES UNLESS SPECIFIED		REGAL TM Regal Beloit America, Inc.	DRAWN GRB 11/14/08	
				DEC.	INCHES		CHK	SK 11/14/08
				.X	$\pm .1$	TITLE OUTLINE - 210T DP - RIGID - STD	APPD	
				.XX	$\pm .03$		SCALE	1=4.2
02	CHANGED LOGO TO REGAL	SL 01/28/16	GR	.XXX	$\pm .005$		REF	SS86561
01	DESCRIPTION CHANGED TO DP - RIGID - STD	AK 02/22/10		.XXXX	$\pm .0005$		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 7'30''$	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 037642	SIZE A	DRAWING NO. 037642
				DIST LB				PAGE 1 OF 1
								REV. 02



VIEW OF TERMINAL END

				<div>✓</div> <div>MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE</div>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7°30"				
				MATL SPEC			DRAWN BY GK	01-10-1987	
				FINISH			CHKD BY		
I	01-10-1987	NEW DRAWING	CN-7664C	GK			REFERENCE DRW.	WAUSAU, WISCONSIN 54401	APPD BY
REV	DATE	CHANGE		NAME	PART NAME CONNECTION DIAGRAM			DRWG NO	A-EE7090JR
		SHOP BOOK	PURCHASED	DISTRIBUTION - WA - LB - WP - LM - BR			CADD FILE NO.	EE7090JR	

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

214
/Otilde
213
/Ocircumflex
212
/Oacute
211
/Ograve
210
/Ntilde
209
/Eth
208
/Idieresis
207
/Icircumflex
206
/Iacute
205
/Igrave
204
/Edieresis
203
/Ecircumflex
202
/Eacute
201
/Egrave
200
/Ccedilla
199
/AE
198
/Aring
197
/Adieresis
196
/Atilde
195
/Acircumflex
194
/Aacute
193
/Agrave
192
/questiondown
191
/threequarters
190
/onehalf
189
/onequarter
188
/guillemotright
187
/ordmasculine
186
/onesuperior
185
/cedilla
184
/periodcentered
183
/paragraph
182
/mu
181
/acute

CERTIFICATION DATA SHEET

Model#: 215TCDW17002 AB
 CONN. DIAGRAM: A-EE7090JR
 OUTLINE: 037642-1115

WINDING#: CK10248 NONE 2
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.5	3600	3495	215T	DP	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	50-46	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 82.5	3/4 LOAD EFF: 86	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5	3/4 LOAD PF: 77	1/2 LOAD PF: 65.5	0	CAP START IND RUN	20.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	254	20 LB-FT 0	40 LB-FT 0	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	- 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						
6307	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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 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		NONE V	NONE Hz

DATE: 06/22/2017 07:02:38 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

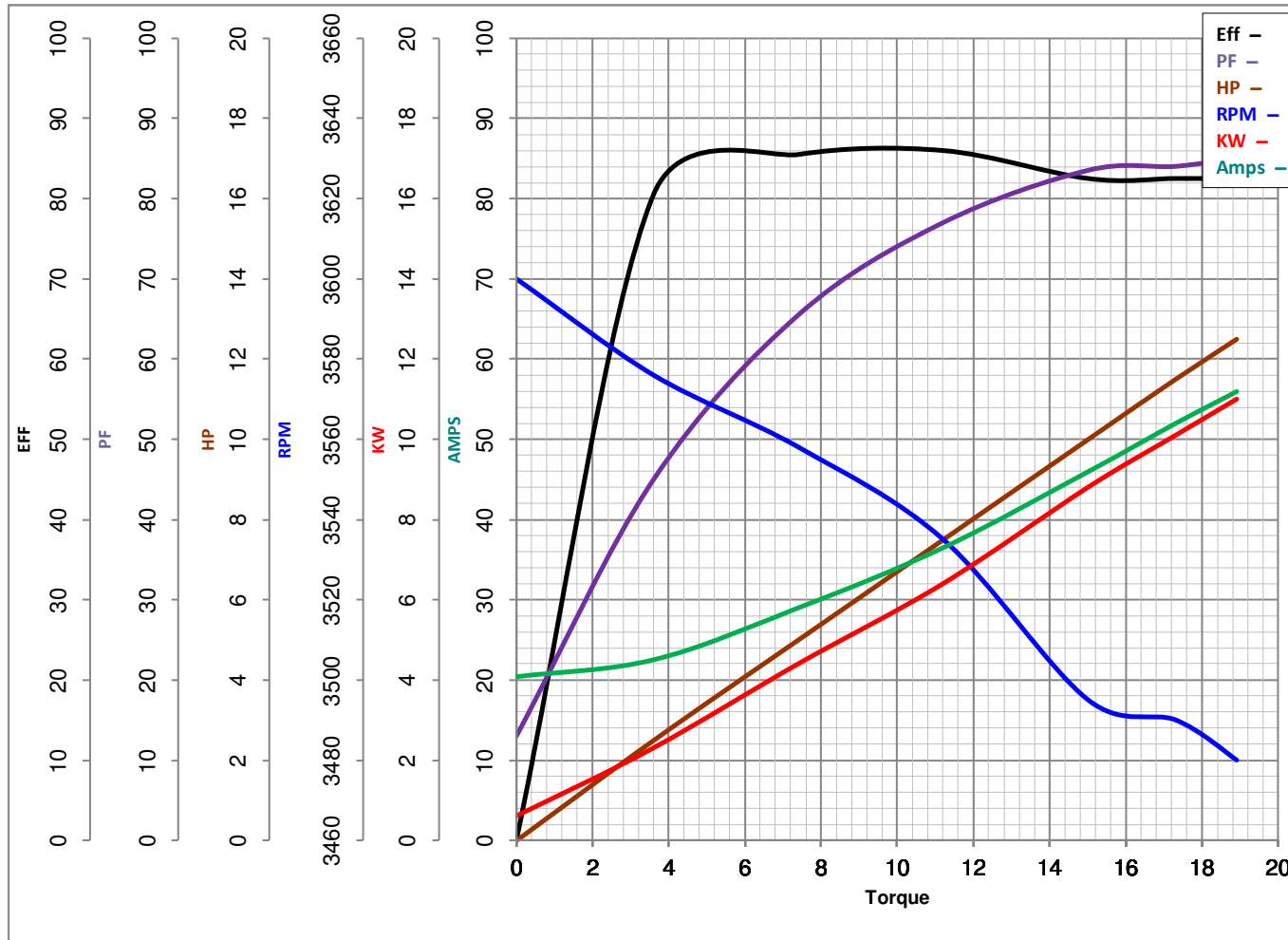
Volts

HP 10.00PHASE 1Model No 215TCDW1700260

HZ

VOLTS 208-23010

HP

Catalog No 1106HZ 60RPM 3495

Torque in Lb.Ft

FL TORQUE 15 Lb.FtBD TORQUE 40.0 Lb.FtLR TORQUE 20 Lb.FtFL AMPS 50-46PU TORQUE 19.0 Lb.FtLR AMPS 254

WINDING CK10248-

Prepared By Vinayak

Date 1/11/2019

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 : 215TCDW17002

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

Catalog No : I106

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