

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TCDW7002

Catalog No: Z412

Close-Coupled Pump Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 215JM Frame, DP



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RegalRexnord

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	47.0 A	Speed	3465 rpm
Service Factor	1.15	Phase	1
Efficiency	81.5 %	Power Factor	84
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	G
Frame	215JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		


Technical Specifications

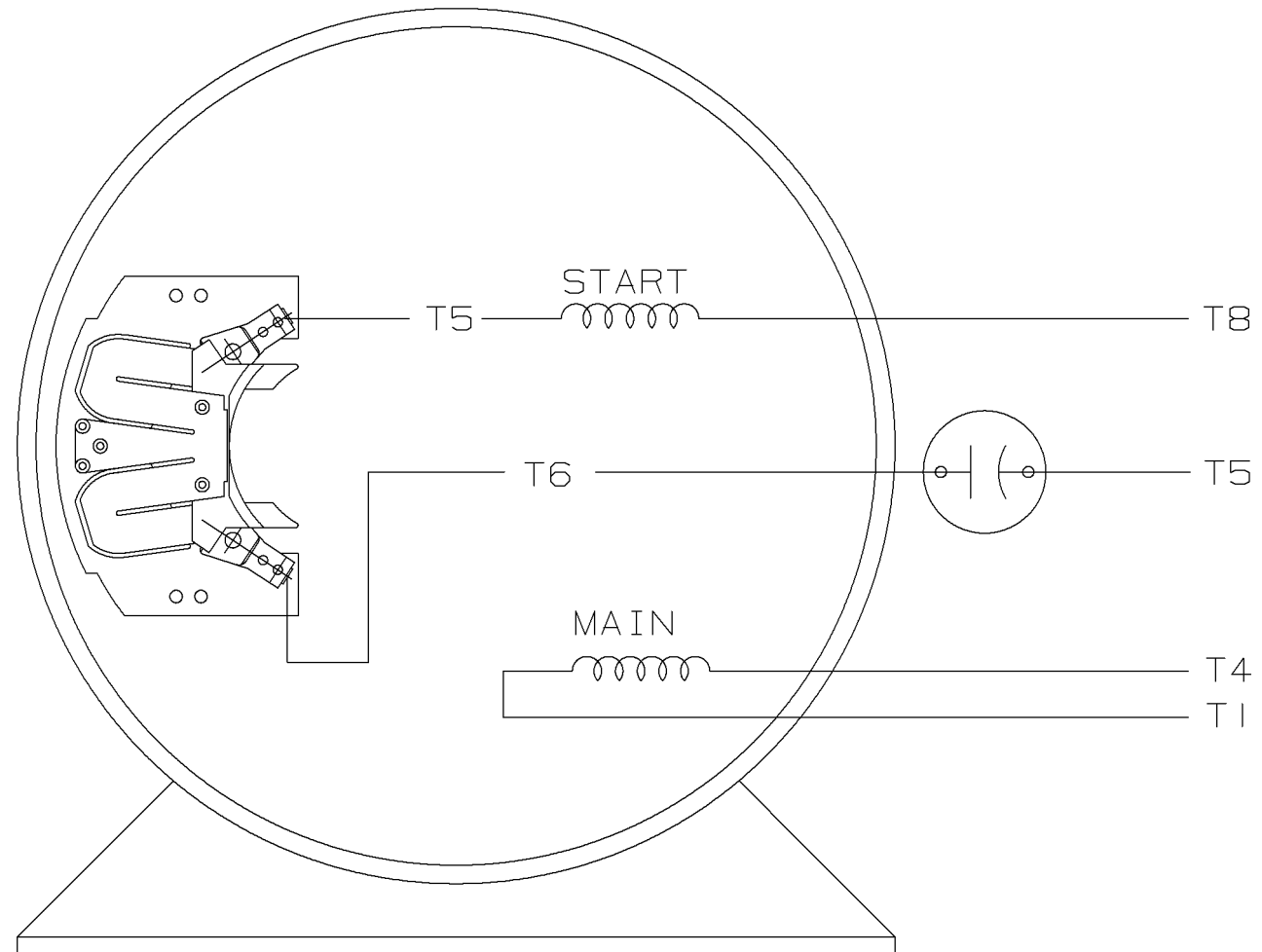
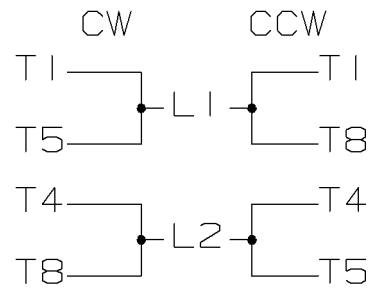
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	19.92 in
Frame Length	11.15 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7090JR	Outline Drawing	037643-1115



DASH	FR.	C	AG
965	213JM	18.42	14.17
1115	213/15JM	19.92	15.67
1240	213/15JM	21.17	16.92

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

				TOLERANCES UNLESS SPECIFIED				DRAWN		GRB 11/14/08	
				DEC.	INCHES			CHK		SK 11/14/08	
				.X	±.1			APPD			
				.XX	±.03			TITLE OUTLINE – 210JM FR. DP – 'C' FACE			
				.XXX	±.005	SCALE 1=4.2					
F	ADDED "AJ" DIM OF 7.250 ECO 0083886	GWS 8/21/15		.XXXX	±.0005	MAT'L.				REF SS86664	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH				FMF	
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 037643			SIZE A	DRAWING NO. PAGE 1 OF 1		REV. F
			DIST LB						037643		

SINGLE VOLTAGE CAPACITOR START
MOTOR, ELECTRICALLY REVERSIBLE

VIEW OF TERMINAL END

			✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7°30"		
			MATL SPEC				
			FINISH		DRAWN BY GK 01-10-1987		
01-10-1987			REFERENCE DRW.		CHKD BY		
CN-7664C			PART NAME CONNECTION DIAGRAM		APPD BY		
CHANGE			NAME		DRWG NO A- EE7090JR		
REV	DATE	CHANGE	NAME		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#: 215TCDW7002 AB
 CONN. DIAGRAM: A-EE7090JR
 OUTLINE: 037643-1115

WINDING#: CK10250 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	3465	215JM	DP	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	47	ACROSS THE LINE	CONTINUOUS	B4	1.15	40	3300

FULL LOAD EFF: 81.5	3/4 LOAD EFF: 80	1/2 LOAD EFF: 79	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84	3/4 LOAD PF: 79.5	1/2 LOAD PF: 69	0	CAP START IND RUN	21

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15.1 LB-FT	249	23.1 LB-FT 153	34.3 LB-FT 227	55

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	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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						
6309	6206	POLYREX EM	JM	NONE	NONE	AINI 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 07:03:10 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 10.00

 PHASE 1

 Model No 215TCDW7002
60

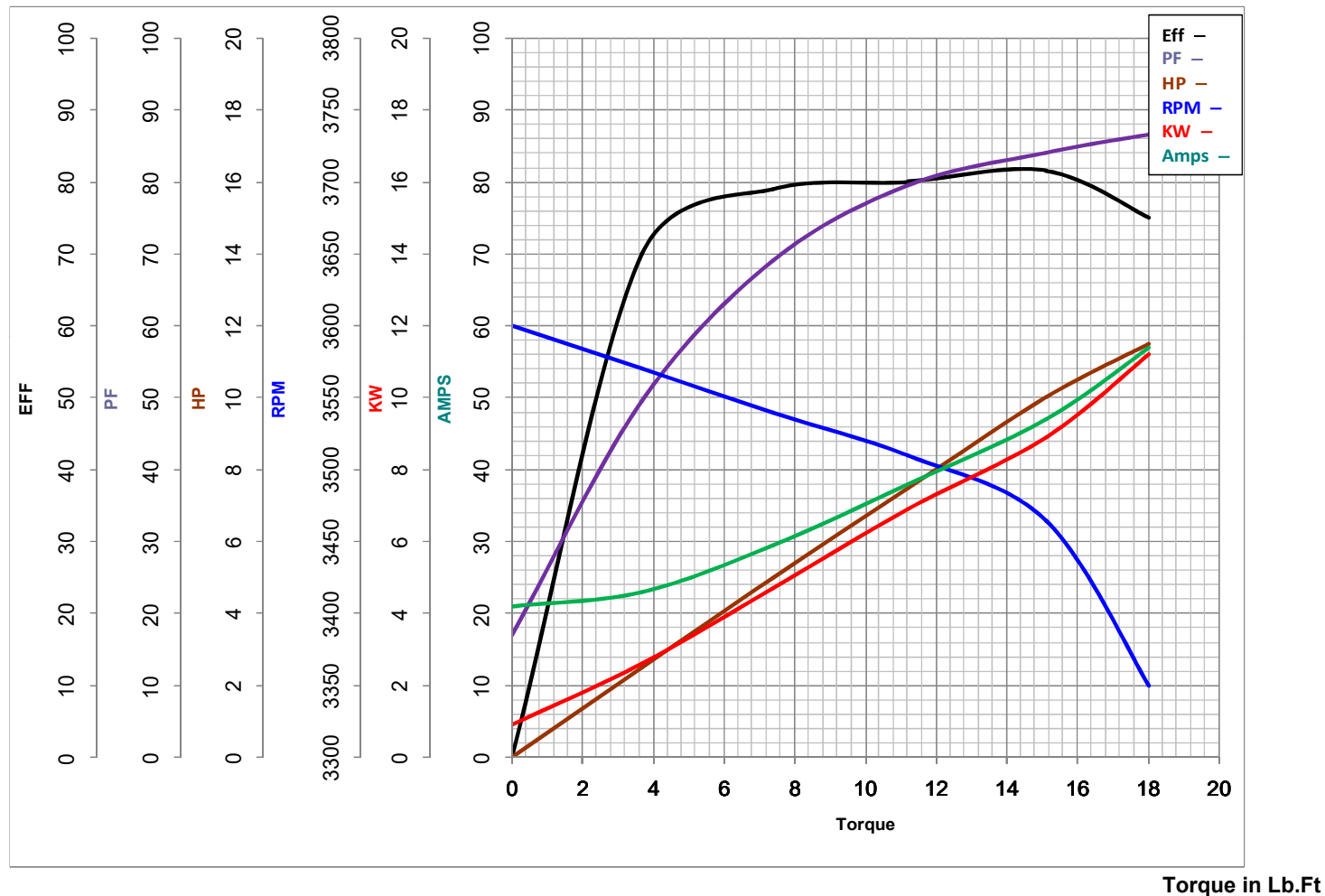
HZ

 VOLTS 230
10

HP

 HZ 60

 RPM 3465

 Catalog No Z412


Torque in Lb.Ft

 FL TORQUE 15.1 Lb.Ft

 BD TORQUE 34.3 Lb.Ft

 LR TORQUE 23.1 Lb.Ft

 FL AMPS 47

 PU TORQUE 23.0 Lb.Ft

 LR AMPS 249

WINDING CK10250-2

Date 1/17/2019

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 : 215TCDW7002

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

Catalog No : Z412

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