

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TBDW7029

Catalog No: Z411

Close-Coupled Pump Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215JM Frame, DP



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E

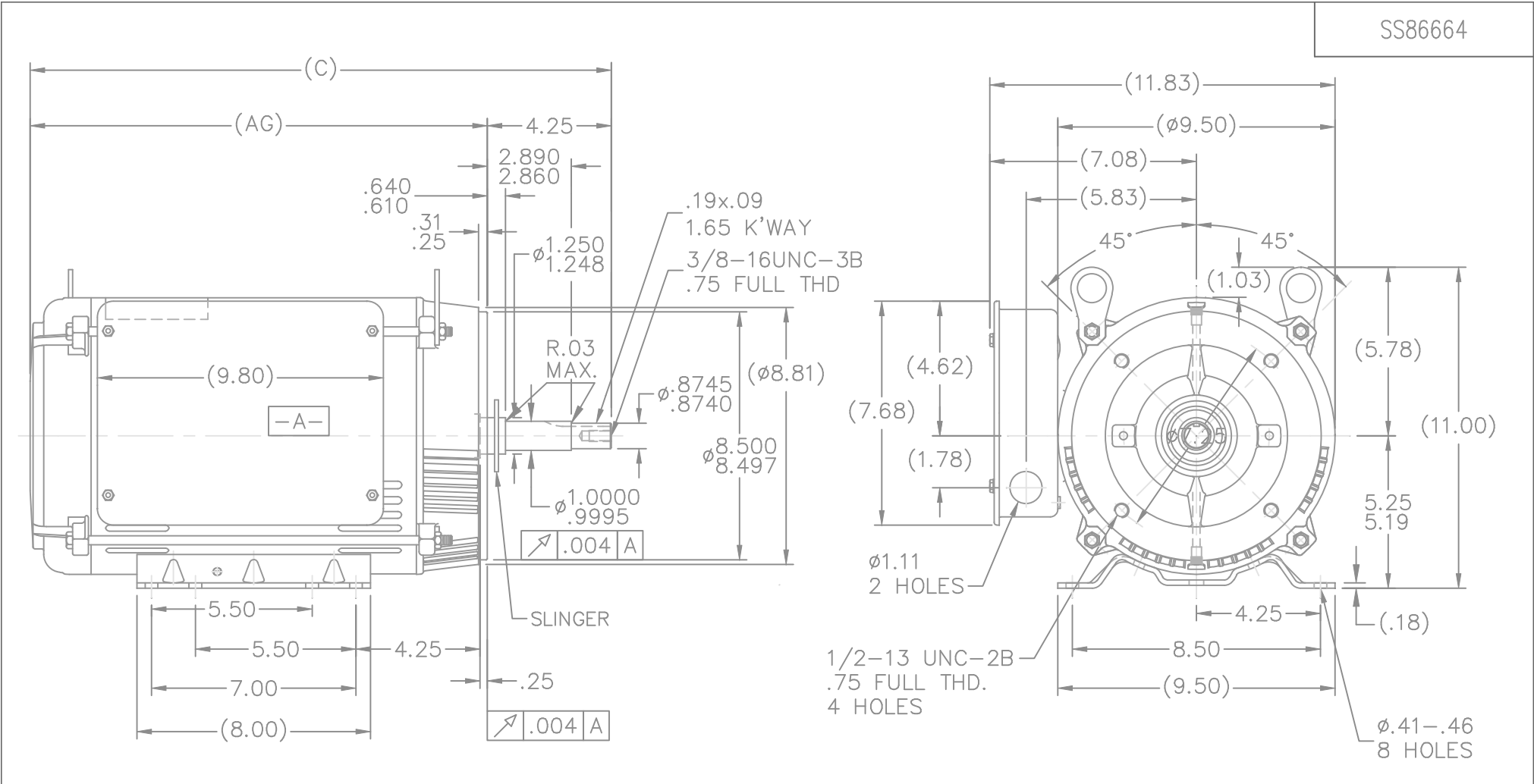
RegalRexnord

Nameplate Specifications

Phase	1	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230 V
Speed	1735 rpm	Service Factor	1.15
Frame	215JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	84 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	34.5 A	Power Factor	85.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		


Technical Specifications

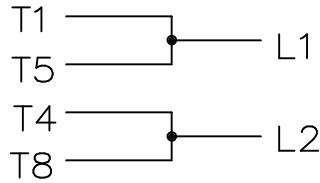
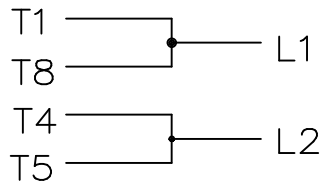
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	19.92 in
Frame Length	11.15 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS86664-1115	Connection Drawing	EE9048LV



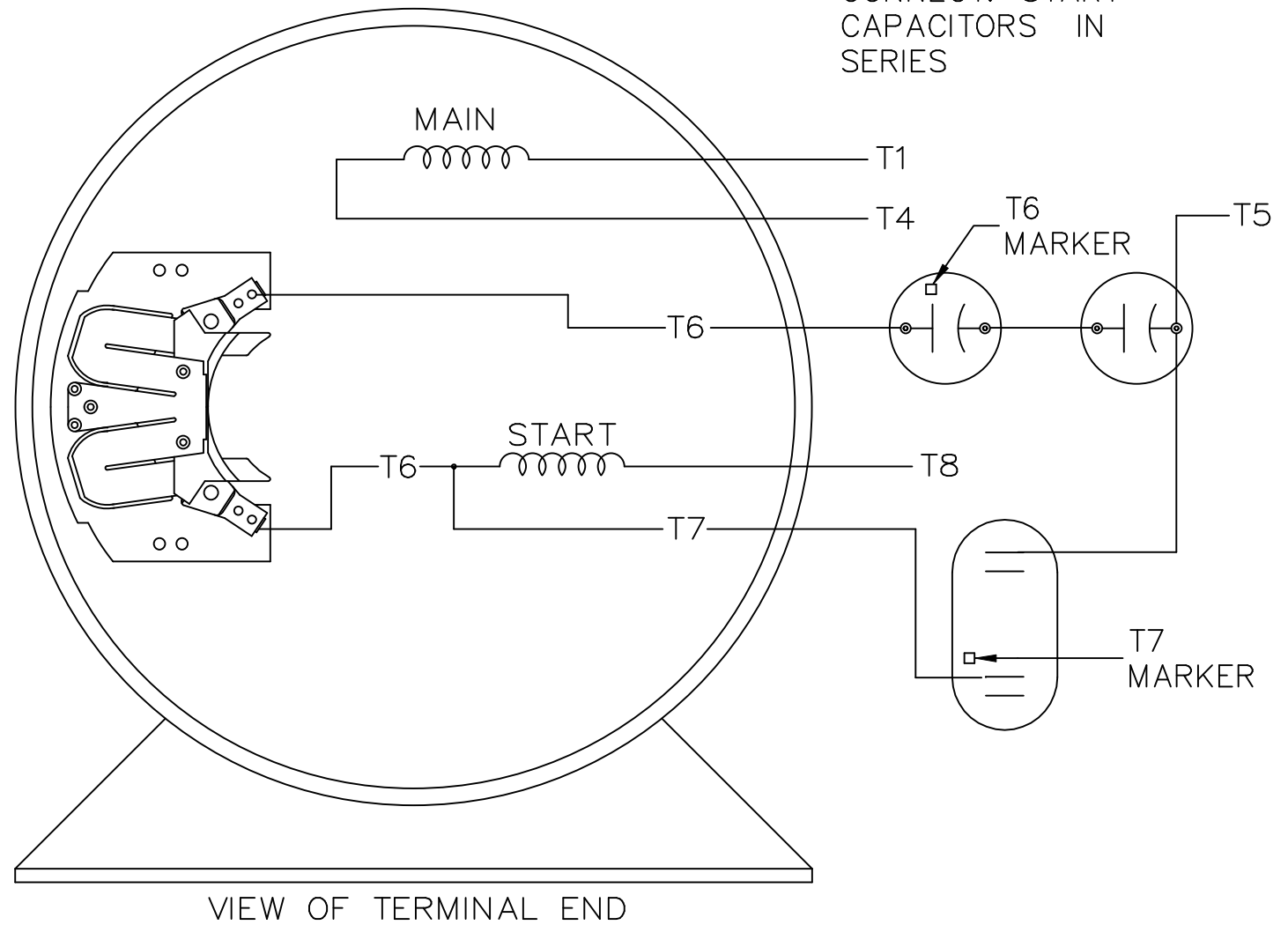
DASH	FR.	C	AG
965	213JM	18.42	14.17
1115	213/15JM	19.92	15.67
1240	213/15JM	21.17	16.92

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


			TOLERANCES UNLESS SPECIFIED				DRAWN MH 03-17-1997		
6	UPDATED DRAWING	TJW 04/30/2007	DEC.	INCHES			CHK ML 03-20-1997		
5	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.X ±.1			APPD DN 03-20-1997		
4	REMOVED 2 Ø1.38 CONDUIT BOX HOLES CN 26624	MRB 07-16-1998		.XX ±.03			SCALE 1=5		
3	ADDED ADDITIONAL Ø1.38 HOLES TO C'BOX CN26000-304	MJD 04-19-1998		.XXX ±.005	TITLE OUTLINE 210JM FR.-BB-TS-DR.PR.-'C' FACE		REF		
2	REMOVED NOTE 2 & MOUNTING	MH 07-21-1997		.XXXX ±.0005	MAT'L.		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±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 ss86664		SIZE	DRAWING NO. PAGE OF	REV.
			DIST LB				A	SS86664	6

C.W. ROTATIONC.C.W. ROTATION

SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



CONNECT: START
CAPACITORS IN
SERIES

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN GK 11-04-1986		
				DEC.	INCHES		CHK	ML 11-04-1986	
				.X	±.1		APPD	FG 11-04-1986	
				.XX	±.02		SCALE	1=1	
2	REDRAWN IN AUTOCAD	RWR 09-07-2005	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM 180-210 SWITCH	REF	DRW.	
1	NEW DRAWING CN7664C	GK 11-04-1986		.XXXX	±.0005		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±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	11-04-1986	CAD FILE EE9048LV	SIZE	DRAWING NO.	PAGE 1 OF 1
				DIST	LB		A	EE9048LV	REV. 2

CERTIFICATION DATA SHEET

Model#: 215TBDW7029 AC

WINDING#: BK104117 NONE 2

CONN. DIAGRAM: A-EE9048MF

ASSEMBLY: F1 ONLY

OUTLINE: 037643-1115

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.6	1800	1735	215JM	DP	G	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	34.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 84	3/4 LOAD EFF: 83.5	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85.5	3/4 LOAD PF: 80	1/2 LOAD PF: 71	0	CAP START CAP RUN	14

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	200	45 LB-FT 200	51.5 LB-FT 229	50

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
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	RODENT	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 06:57:24 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 7.50

 PHASE 1

 Model No 215TBDW7029
60

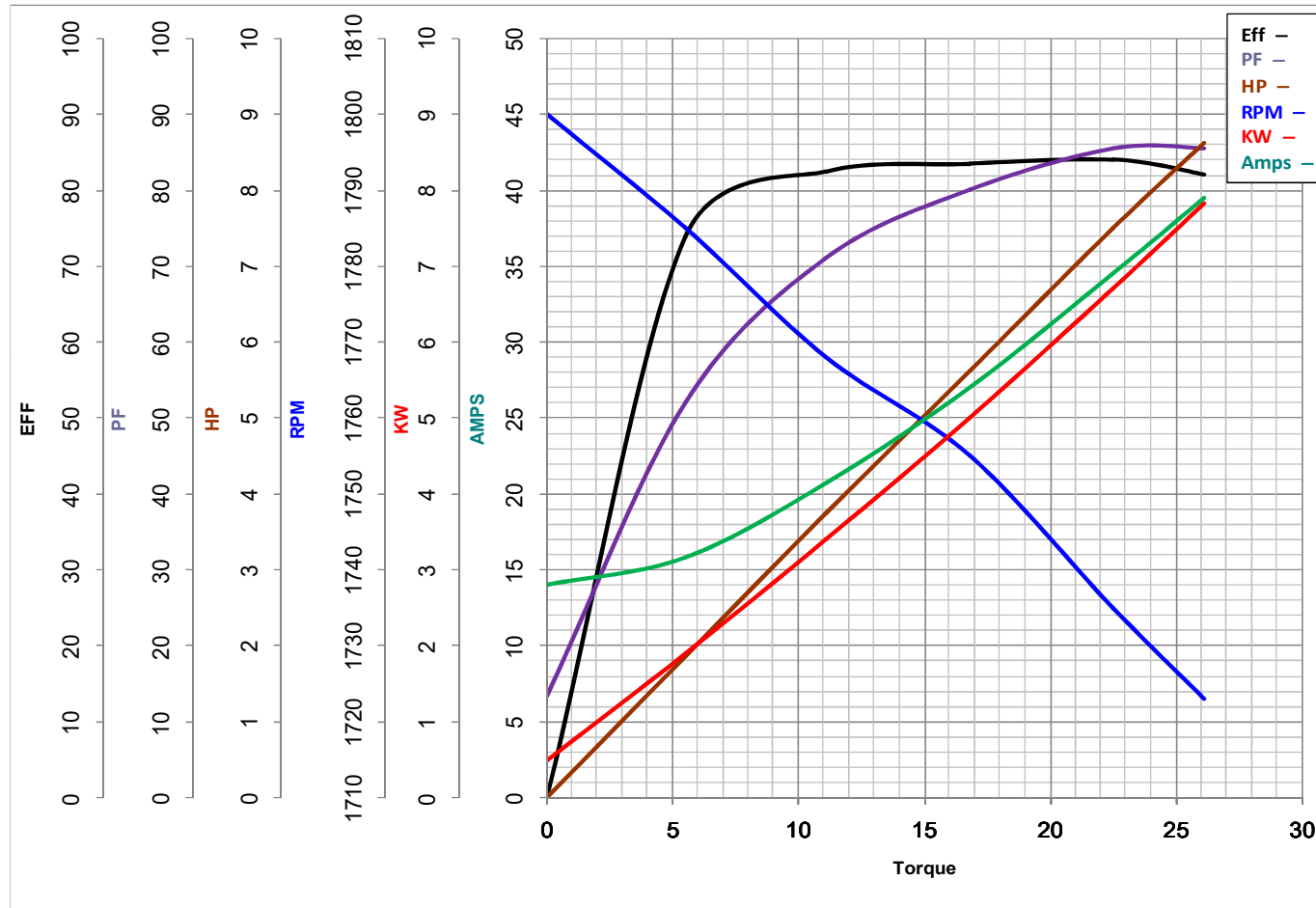
HZ

 VOLTS 230
7.5

HP

 Catalog No Z411

 HZ 60

 RPM 1735


Torque in Lb.Ft

 FL TORQUE 22.5 Lb.Ft

 BD TORQUE 51.5 Lb.Ft

 LR TORQUE 45 Lb.Ft

 FL AMPS 34.5

 PU TORQUE 38.3 Lb.Ft

 LR AMPS 200

WINDING BK104117-2

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 : 215TBDW7029

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

Catalog No : Z411

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