

PRODUCT INFORMATION PACKET

Model No: 215TBFW7001

Catalog No: I225

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



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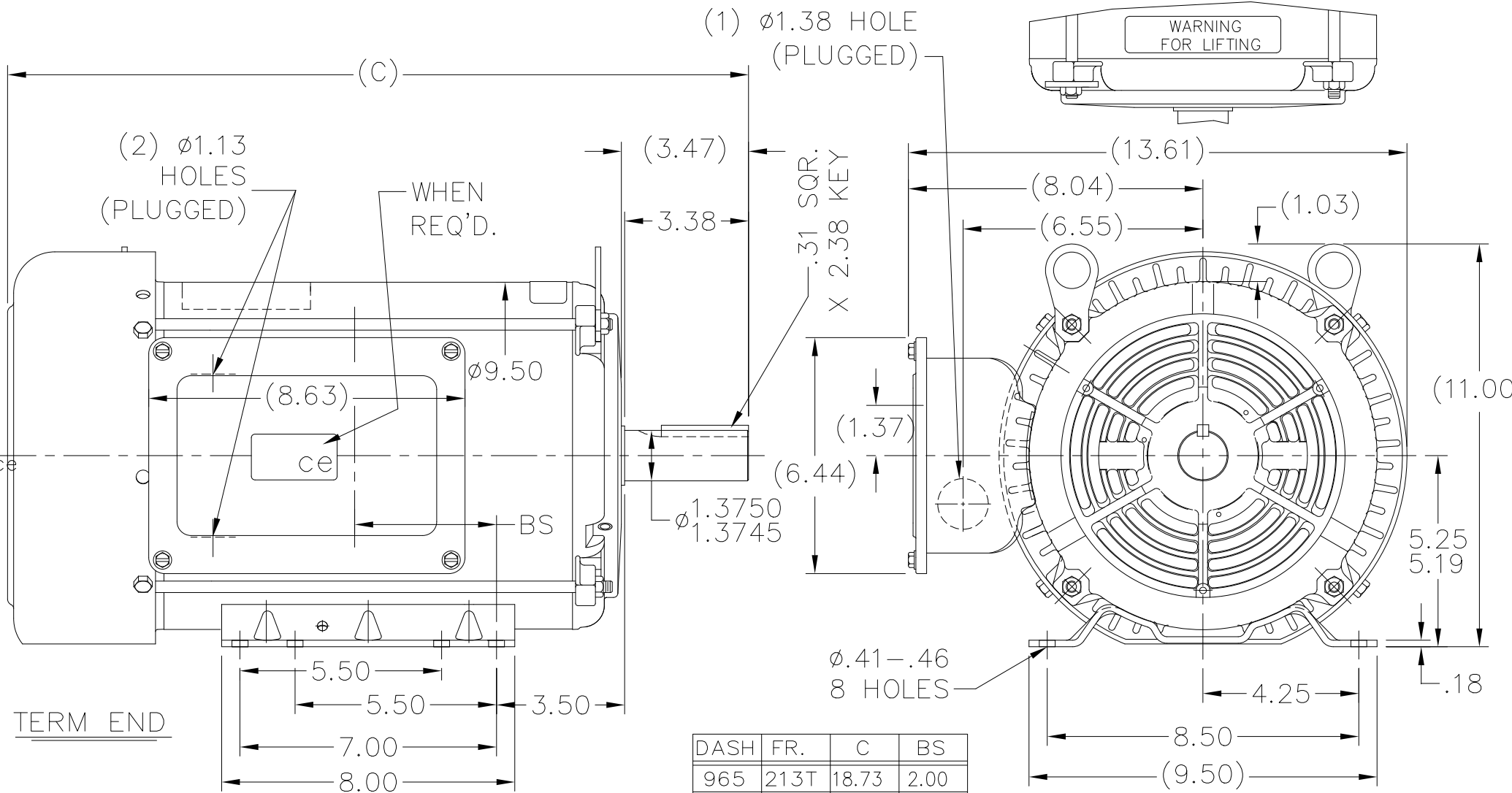


Nameplate Specifications

| | | | |
|------------------------|---------------|----------------------------|-----------------------------|
| Phase | 1 | Output HP | 10 Hp |
| Output KW | 7.5 kW | Voltage | 208-230 V |
| Speed | 3500 rpm | Service Factor | 1 |
| Frame | 215T | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 83.8 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 44.0-41.5 A | Power Factor | 93.2 |
| Duty | Continuous | Insulation Class | F |
| Design Code | L | KVA Code | G |
| 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 | 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 | 20.23 in |
| Frame Length | 11.15 in | Shaft Diameter | 1.375 in |
| Shaft Extension | 3.47 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | 037646-1115 | Connection Drawing | A-EE9048MF |



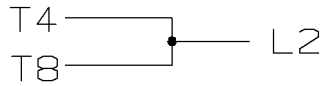
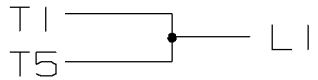
TERM END

| DASH | FR. | C | BS |
|------|----------|-------|------|
| 965 | 213T | 18.73 | 2.00 |
| 1115 | 213/215T | 20.23 | 3.50 |
| 1240 | 215T | 21.48 | 4.75 |

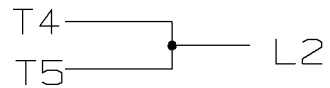
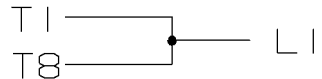
NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.

| | | TOLERANCES UNLESS SPECIFIED | | | DRAWN GRB 11/14/08 CHK SK 11/14/08 APPD SCALE 1=4 REF SS86677 FMF PREV | |
|--|---|-----------------------------|---------|---|--|------------------------|
| | | DEC. | INCHES | | | |
| | | .X | ±.1 | TITLE OUTLINE 210T FR. TEFC - STD 1Ø | | |
| 02 | COND.BOX LEAD POSITION UPDATED-CR-0017070 | .XXX | ±.005 | | | |
| 01 | ADD CE DECAL PER ISAAC 11-0604 | .XXXX | ±.0005 | MAT'L. | | |
| NO. | REVISION | BY & DATE | CHK | ANG | FINISH | |
| | | | RFP | | CAD FILE 037646 | SIZE A |
| | | | DIST LB | | | DRAWING NO. 037646 |
| 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 | | | | | | PAGE 1 OF 1 REV. 02 |

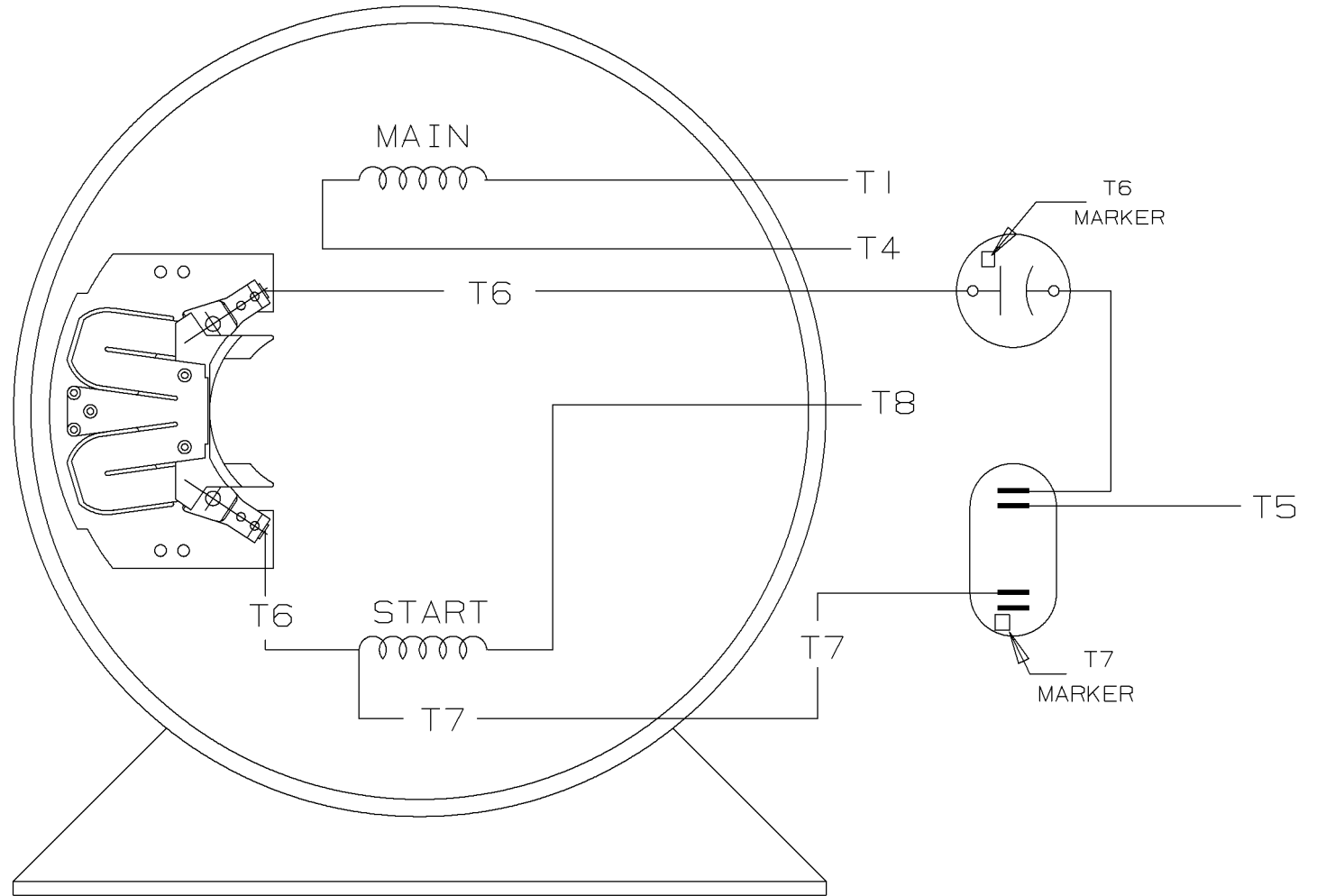
C.W. ROTATION



C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE



VIEW OF TERMINAL END

| | | | | | | | |
|-----|------------|-------------|----------|--|---|-------------------------|-----------------------|
| | | | | ✓ 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 | MARATHON ELECTRIC | CHKD BY | ML 11-01-1986 |
| I | 11-04-1986 | NEW DRAWING | CN 7664C | GK | REFERENCE DRW. | WAUSAU, WISCONSIN 54401 | APPD BY FG 11-04-1986 |
| REV | DATE | CHANGE | NAME | PART NAME CONNECTION DIAGRAM | | | DRWG NO A-EE9048MF |

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE9048MF

CERTIFICATION DATA SHEET

Model#: 215TBFW7001 AB **WINDING#:** BK10268 NONE 2
CONN. DIAGRAM: A-EE9048MF **ASSEMBLY:** F1 ONLY
OUTLINE: 037646-1115

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN | | |
|------------------------|--------------------|--------------------|----------------|-----------------|-------------------|-------------------|--------------|-------|-----------|
| 10 | 7.5 | 3600 | 3500 | 215T | TEFC | G | L | | |
| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
| 1 | 60 | 208-230 | 44-41.5 | ACROSS THE LINE | CONTINUOUS | F4 | 1.0 | 40 | 3300 |
| FULL LOAD EFF: 83.8 | 3/4 LOAD EFF: 83.9 | 1/2 LOAD EFF: 81.3 | GTD. EFF | | ELEC. TYPE | | NO LOAD AMPS | | |
| FULL LOAD PF: 93.2 | 3/4 LOAD PF: 92.9 | 1/2 LOAD PF: 90.3 | 0 | | CAP START CAP RUN | | 9 | | |
| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C | | | | | |
| 15 LB-FT | 249 | 26 LB-FT 173 | 38.5 LB-FT 257 | 85 | | | | | |
| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT | | | |
| 78 dBA | 88 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 | POLYREX EM | T | NONE | NONE | AISI 1045 (C-240) | ROLLED STEEL | |
| BALL | BALL | | | | | | | |
| 6307 | 6206 | | | | | | | |
| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE /n HEATERS | | |
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | NONE | FALSE | NONE VOLTS | | |
| NONE | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS | | |

If Inverter equals NONE, contact factory for further information

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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: 06/22/2017 06:59:00 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
60 HZ
10 HP

HP 10.00

PHASE 1

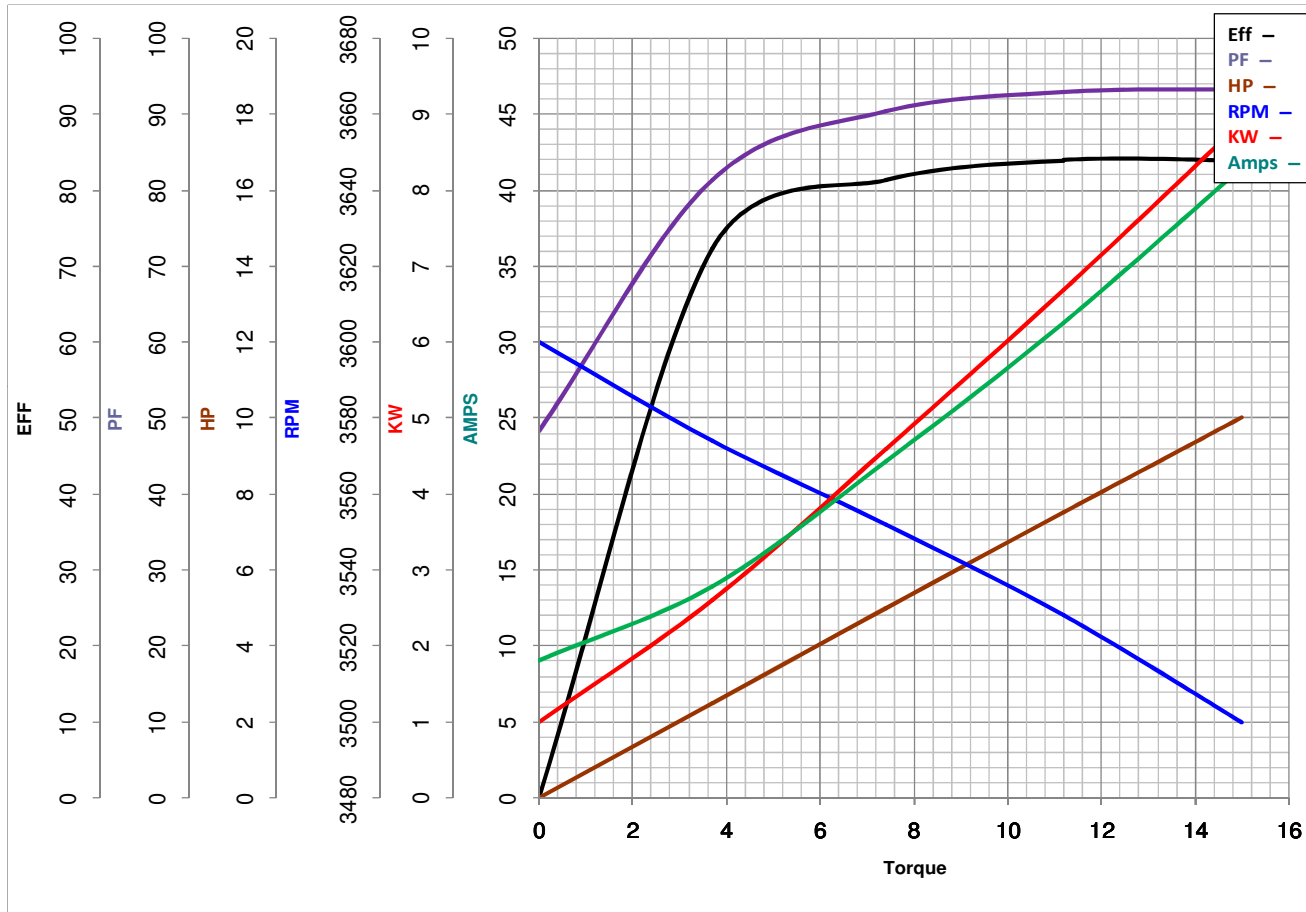
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VOLTS 208-230

Catalog No I225

HZ 60

RPM 3500



Torque in Lb.Ft

FL TORQUE 15 Lb.Ft
BD TORQUE 38.5 Lb.Ft
LR TORQUE 26 Lb.Ft

FL AMPS 44-41.5
PU TORQUE 20.0 Lb.Ft
LR AMPS 249

WINDING BK10268-

Date 3/7/2019

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 : 215TBFW7001

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

Catalog No : I225

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