## PRODUCT INFORMATION PACKET



Model No: 284THFCD19048 Catalog No: W560A-P

XRI®-841 Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 284T Frame, TEFC



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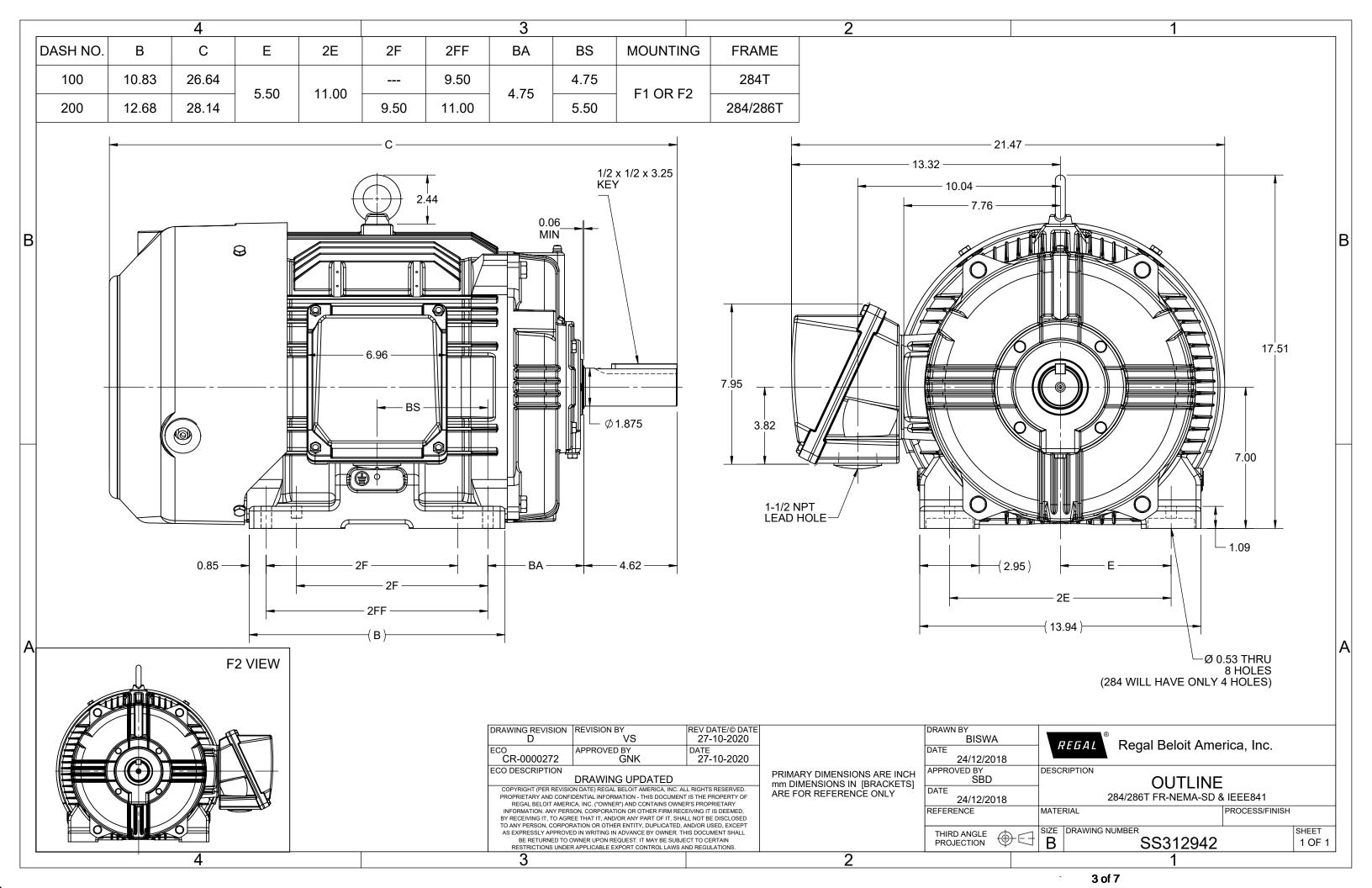
### Nameplate Specifications

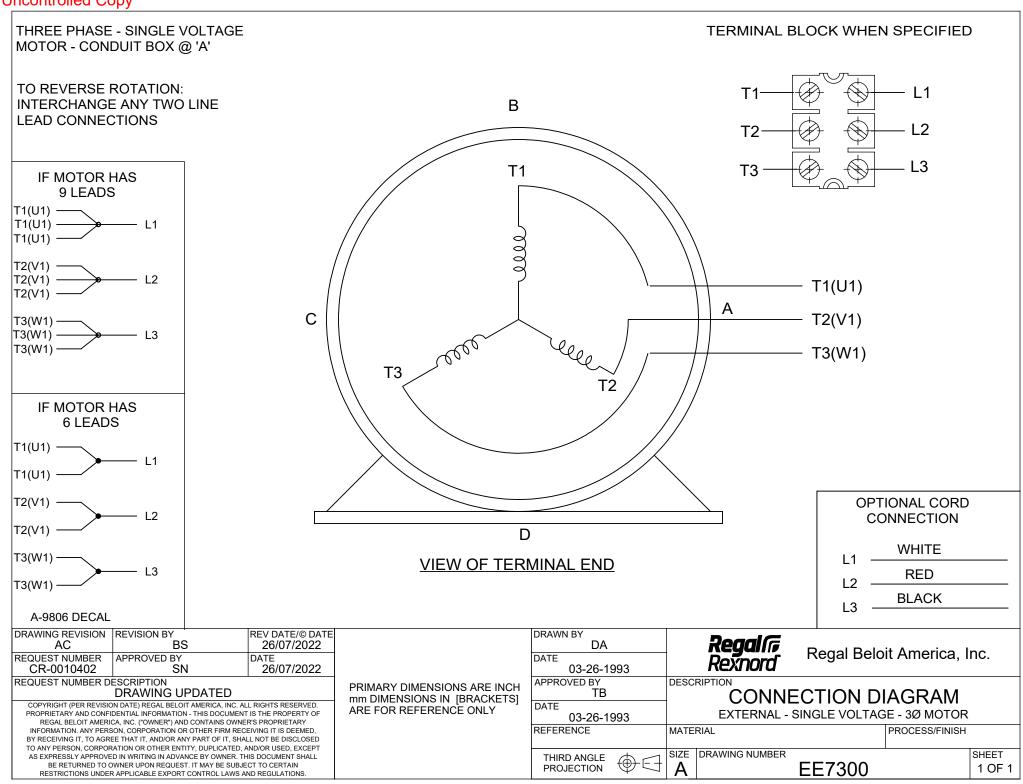
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	460 V
Current	30.0 A	Speed	1772 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	83
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1		

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.2988 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Shaft Diameter	1.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS312942-100	Connection Drawing	EE7300

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DATA VOLTS: 460

**CERTIFICATION DATA SHEET**  
 REFERENCE MODEL #:
 284THFCD19048

 CAT #:
 W560A
 CONN. DIAGRAM: EE7300 W560A-P OUTLINE: SS312942 WINDING: HA31804007 NONE MOUNTING: F1/F2 CAPABLE TYPICAL MOTOR PERFORMANCE DATA HP SYNC RPM FL RPM **ENCLOSURE** TYPE KVA CODE DESIGN 25 18.7 1800 1775 284T TEFC TFC G В AMB (° C) ELEV. (Ft) 40 3300 VOLTS AMPS START TYPE DUTY INSL PH HZ S.F. 60 460 30.5 LINE OR INVERTER CONT Н 1.15 **3/4 LD EFF** 93.6 1/2 LD EFF 93.0 **GTD EFF** F.L. EFF 93.6 ELECT. TYPE 3/4 LD PF 1/2 LD PF SQ CAGE INV RATED F.L. PF 83.0 77.5 66.5 93.0 F.L. TORQUE B.D. TORQUE F.L. RISE (° C) LR AMPS L.R. TORQUE 74.0 **LB-FT** 144 LB-FT LB-FT 182 195% 192 259% 55 MAX. LOAD WK<sup>2</sup> SAFE STALL TIME SOUND PRESSURE SOUND ROTOR WK<sup>2</sup> STARTS/HOUR APROX. LB-FT<sup>2</sup> 75 **dBA** 84 dBA 5.2 175 LB-FT<sup>2</sup> 20 **SEC**. 493 **LB**. \*\*\* SUPPLEMENTAL INFORMATION \*\*\* ODE BRACKET MOUNT MOTOR HAZARDOUS TYPE ORIENTATION SEVERE DUTY DRIP COVER SCREENS DE BRACKET TYPE TYPE LOCATION PAINT STANDARD STANDARD RIGID HORIZONTAL PREMIUM SEVERE DUTY NONE BLUE (EPOXY) NONE NO BEARINGS GREASE SHAFT TYPE SPECIAL DE SPECIAL ODE SHAFT MATERIAL FRAME MATERIAL DF ODE BALL BALL CAST IRON POLYREX EM Т NONE NONE 1045 HOT ROLLED (C-204) 6211 6311 SPACE HEATERS **THERMOSTATS PROTECTORS** WDG RTD's **BRG RTD's** THERMISTORS CONTROL NONE NOT NONE NONE NONE FALSE NA VIBRATION (in/sec) R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) X2 (ohms/ph) Xm (ohms/ph) 0.2 0.125 0.742 0.972 19.436 0.080 If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1 N INV. HP SPEED RANGE: NONE ENCODER: NONE Е NONE s NONE NONE PPR BRAKE: NONE PREPARED BY: NONE NONE

DATE:

FORM: 3531 REV\_4 2/27/06

\*\* Subject to change without notice.

5/13/2020

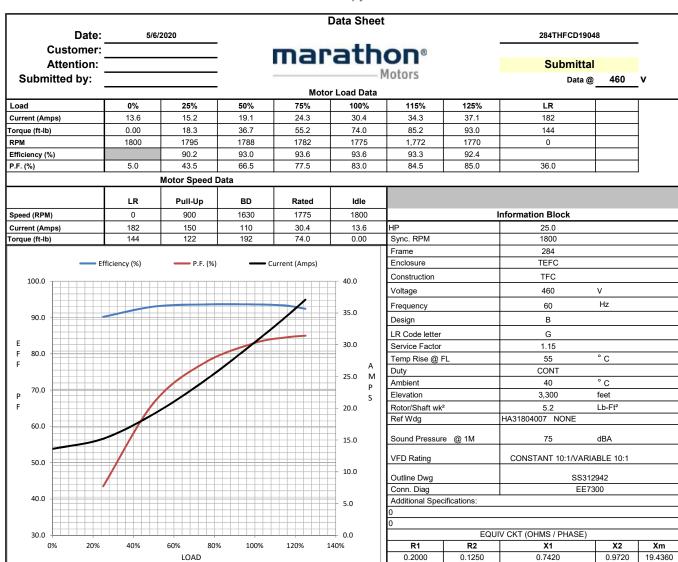
FT-LB:

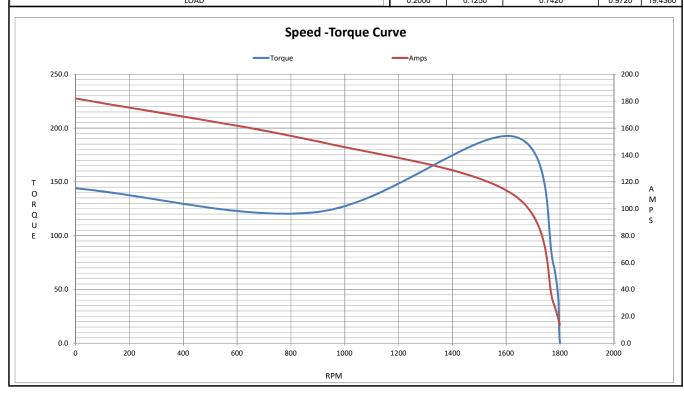
VOLTAGE:

NA

NONE

HZ:







# **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: 284THFCD19048

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

Catalog No: W560A-P

Rework No: N/A

#### **Directives:**

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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