# PRODUCT INFORMATION PACKET



Model No: 284TSTFCD6502 Catalog No: E660A

XRI®-SD Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 284TS Frame, TEFC



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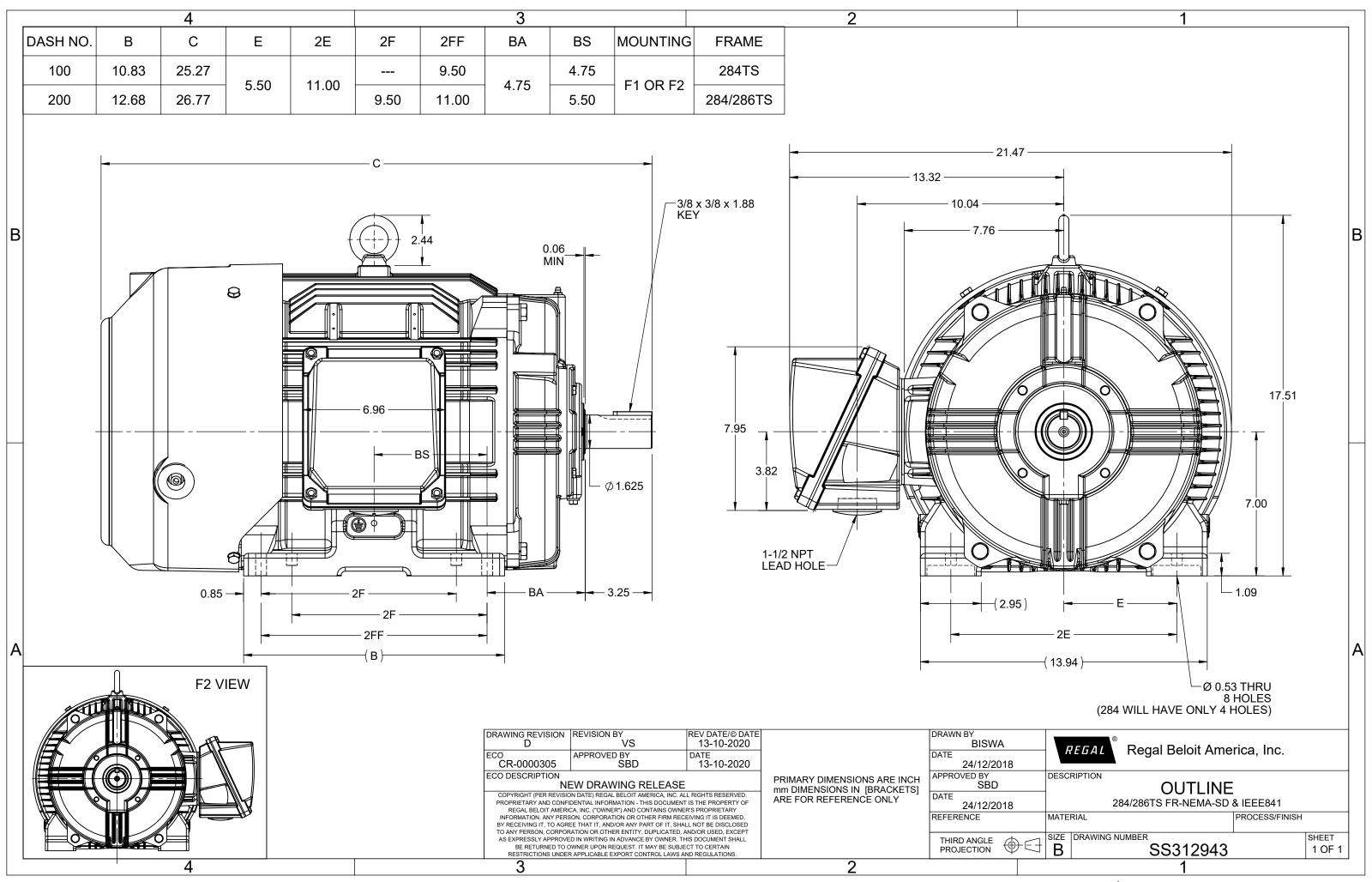
## Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW		
Frequency	60 Hz	Voltage	575 V		
Current	24.0 A	Speed	3555 rpm		
Service Factor	1.15	Phase	3		
Efficiency	91.7 %	Power Factor	86		
Duty	Continuous	Insulation Class	н		
Design Code	В	KVA Code	G		
Frame	284TS	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	Listed	CSA	Υ		
CE	Υ	IP Code	55		
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1		

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Selective Clockwise
Resistance Main	.395 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS312943-100	Connection Drawing	EE7300

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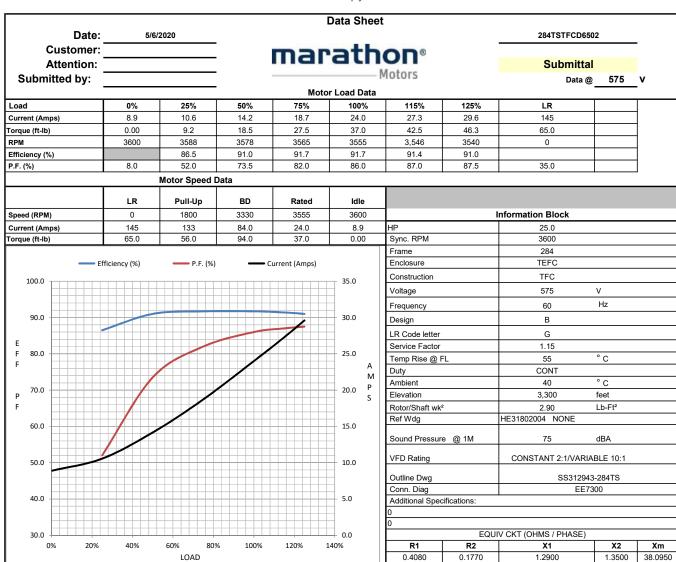


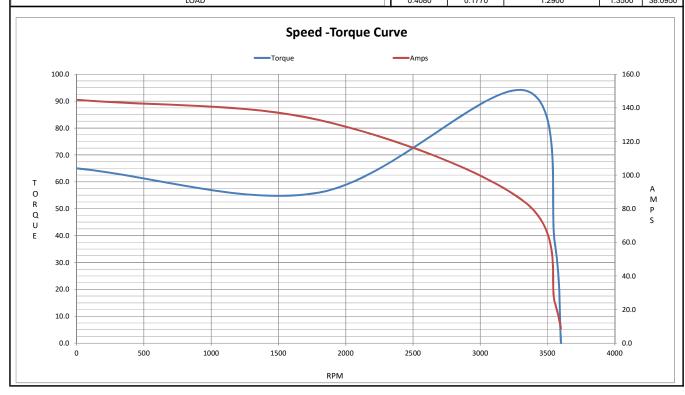
DATA VOLTS: 575

### **CERTIFICATION DATA SHEET**

REFERENCE MODEL #: 284TSTFCD6502

	ONN. DIAGRAM: EE7300 REFERENCE MODEL #: 284TS  CAT #:							602 660A		-			
OUTLINE: WINDING:		SS312943-284TS HE318020		3				MOUNTING:	F1/F2 CAPABL	-E			
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA					
HP	ĸw	SYNC RPM	FLR	FL RPM		FRAME		LOSURE	TYPE	KVA CODE		DESIGN	
25	18.7	3600	3555		284TS		TEFC		TFC G		В		
								-		-			
PH	HZ	VOLTS	AM	AMPS		START TYPE		DUTY	INSL	S.F.	AMB (° C) ELEV. (F		
3	60 575 24		LINE OR INVERTER CON		CONT H		1.15	1.15 40					
	F.L. EFF	91.7	3/4 LD EFF	91.7		1/2 LD EFF	91.0	GTD EFF		ELECT. T	/PE		
	F.L. PF	86.0	3/4 LD PF	82.0		1/2 LD PF	73.5	91.0		SQ CAGE INV	RATED		
F.L. T	ORQUE	LR AM	PS		L.R. TORQUE		B.D. TORQUE		UE	F.L. RISE (° C)			
37.0	LB-FT	14	5	65.0	LB-FT	176%	94.0	LB-FT	254%	55			
SOUND P	RESSURE	SOUND	ROTOR	R WK²		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	START	S/HOUR	API	ROX.	
75	dBA	84 <b>dBA</b>	2.90	LB-FT <sup>2</sup>	30	LB-FT <sup>2</sup>	20	SEC.		2	424	LB.	
			•		*** SIIP	PLEMENTAL INFORMA	TION ***	,					
ODE BRACKET MOUNT MOTOR					HAZA	ARDOUS							
	KET TYPE IDARD	TYPE STANDARD	TYPE RIGID		TATION ZONTAL	SEVERE DUTY PREMIUM SEVERE DUTY		ION 2 T2B	NO NO	SCREENS NONE	PAINT BLUE (EPOXY)		
BEAI	RINGS								T		T		
DE ODE		GREASE	SHAFT	SHAFT TYPE		SPECIAL DE		CIAL ODE	SHAFT	SHAFT MATERIAL		FRAME MATERIAL	
BALL 6311	BALL 6211	POLYREX EM	TS	3		NONE	N	IONE	1045 HOT ROLLED (C-204)		CAST IRON		
												ACE	
	OSTATS ONE	PROTECTORS NOT	NOI		BRG RTD's NONE		THERMISTORS NONE		CONTROL FALSE		HEATERS NA		
R1 (of	ıms/ph)	R2 (ohms/ph)	X1 (ohr	ns/nh)		X2 (ohms/ph)	Ym (c	ohms/ph)	VIRRATIO	ON (in/sec)	FL	OAT	
	375	0.2765625	2.015		2.109375		59.5234375		0.080		ODE		
* N O T							If Inverter	INVERT		for further inform CONSTANT 2:1 NONE		10:1	
E S								ENCODER: NONE	NONE				
*								NONE	HONE		NONE	PPR	
PREP	ARED BY: DATE:	5/13/2020						BRAKE: N FT-LB:	ONE	NON NA	E		
	31 REV_4							VOLTAGE:		ONE		HZ	
Subject	to change v	vithout notice.											







# **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: 284TSTFCD6502

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

Catalog No : E660A

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:

Authorized Representative in the Community: J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

**C**€ 22