PRODUCT INFORMATION PACKET

Model No: 284TSHFCD9001 Catalog No: W558A XRI®-841 Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 284TS Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E







Product Information Packet: Model No: 284TSHFCD9001, Catalog No:W558A XRI®-841 Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 284TS Frame, TEFC

marathon®

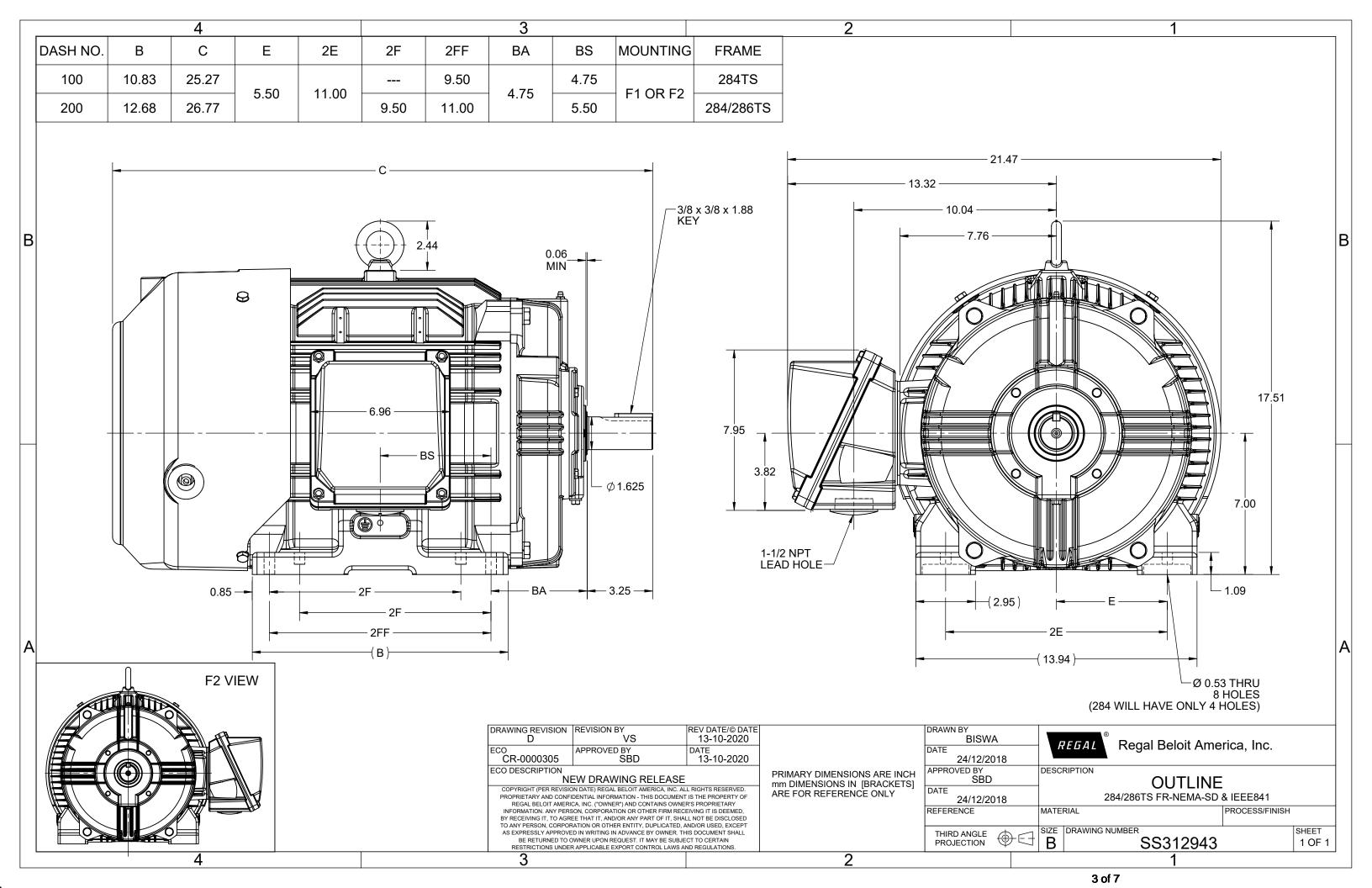
Nameplate Specifications

Output HP	25 Нр	Output KW	18.7 kW			
Frequency	60 Hz	Voltage	460 V			
Current	30.0 A	Speed	3555 rpm			
Service Factor	1.15	Phase	3			
Efficiency	91.7 %	Power Factor	86 H			
Duty	Continuous	Insulation Class				
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	Y			
CE	Y	IP Code	56			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

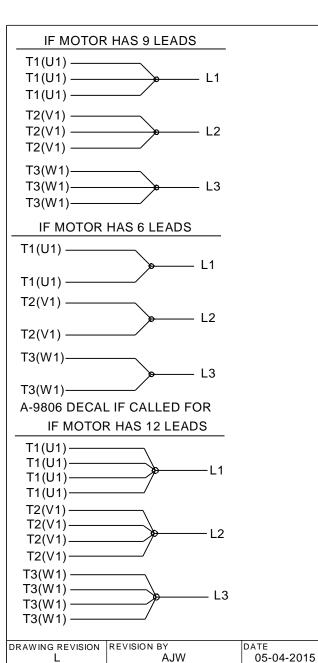
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	2	Rotation	Reversible			
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	EE7300U			

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/29/2022



Uncontrolled Copy



APPROVED BY

EWH

UPDATED TO SOLIDWORKS

COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.

PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF

REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY

INFORMATION, ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED.

BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT

AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL

BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN

RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS

DATE

05-05-2015

DEC.

.Х

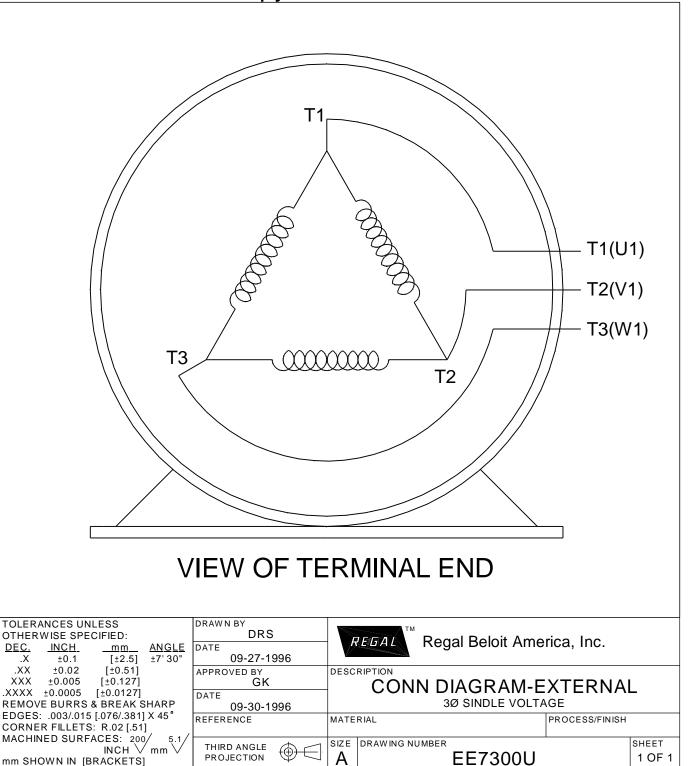
.XX

XXX

ECO

ECO-0077067

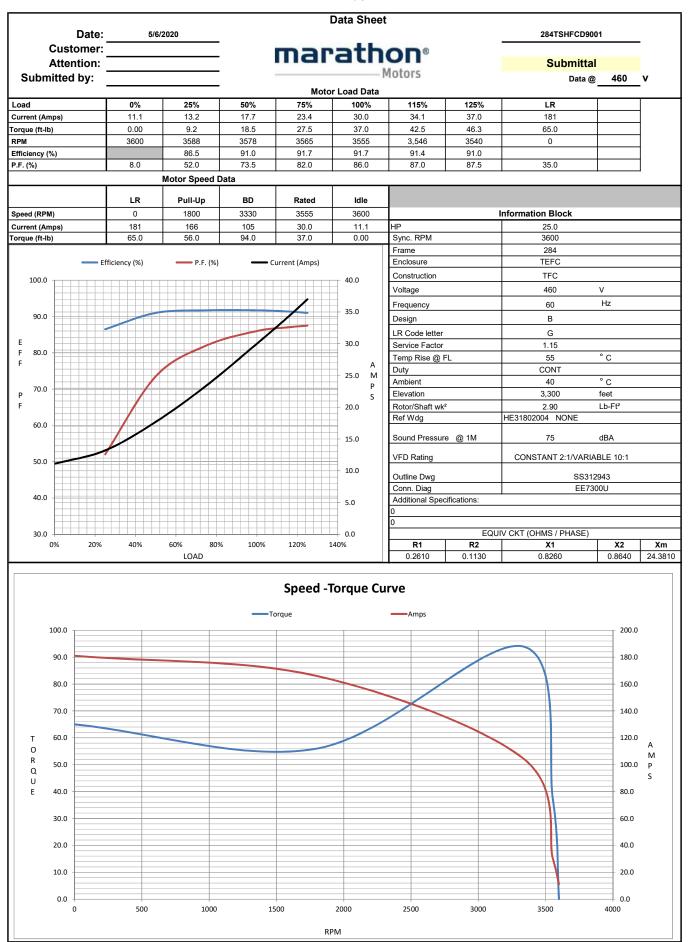
ECO DESCRIPTION



Uncontrolled Copy

					na	rathon Motors	8			DATA VOLTS:	460		
					CI	ERTIFICATION DAT	A SHEE	т					
CONN. DI OUTLINE: WINDING:		EE7300U SS312943 HE31802004	NONE	1			MANCE	MODEL #: CAT #: MOUNTING:	W558A				
HP	ĸw	SYNC RPM	TYPICAL MOTOR PERFO						TYPE KVA COD)F	DESIGN	
25	18.7	3600	355			284TS	TEFC		TFC	G			
РН 3	HZ 60	VOLTS 460	AMF 30			START TYPE			INSL H	S.F. 1.15	AMB (° C) 40	ELEV. (Ft) 3300	
	F.L. EFF F.L. PF	91.7 86.0	3/4 LD EFF 3/4 LD PF	91.7 82.0		1/2 LD EFF 1/2 LD PF	91.0 73.5	GTD EFF 91.0		ELECT. TYPE SQ CAGE INV RATED			
	F.L. TORQUE LR AMPS @ 460 V 97.0 LB-FT 181 65.0		65.0	L.F LB-FT	L.R. TORQUE B.D. TORQUE LB-FT 176% 94.0 LB-FT			254%	F.L. RISE (° C) 55				
SOUND P	RESSURE	SOUND 84 dBA	ROTOR 2.90	WK ² LB-FT ²	30	MAX. LOAD WK ² LB-FT ²	SAFE S 20	TALL TIME SEC.	ST	ARTS/HOUR 2	APROX. 445	MOTOR	
	KET TYPE	ODE BRACKET TYPE STANDARD	NOUNT TYPE RIGID	ORIEN	*** S TOR TATION ONTAL	SUPPLEMENTAL INFOR SEVERE DUTY	HAZ/ LOC	ARDOUS CATION ON 2 T2B	DRIP COVER NO	SCREENS NONE		PAINT E (EPOXY)	
BEAI DE BALL	RINGS ODE BALL	GREASE	SHAFT			SPECIAL DE		IAL ODE	SHAFT	MATERIAL	FRAME MATERIAL		
6311	6211	POLYREX EM	TS			NONE	N	ONE	1045 HOT ROLLED (C-204)		CA	CAST IRON	
		PROTECTORS NOT				BRG RTD's NONE		MISTORS	CONTROL FALSE		SPACE	HEATERS	
R1 (ohms/ph) R2 (ohms/ph) 0.261 0.113		X1 (ohm 0.82	is/ph)			Xm (d	ohms/ph) 4.381	VIBRATION (in/sec) 0.080					
* N O T		0.110	0.82			UUUT	If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					n	
						ENCODER: NONE NONE NONE NONE PF				PPR			
PREPARED BY: ANUSHA M DATE: 3/31/2020					BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE				HZ				

Uncontrolled Copy





www.regalbeloit.com

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: 284TSHFCD9001

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

Catalog No : W558A

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

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

(€ 22

Authorized Representative in the Community:

Julian Clark Marketing Engineer