## **PRODUCT INFORMATION PACKET**

Model No: 286TSHFCD9001 Catalog No: W565A XRI®-841 Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 286TS Frame, TEFC



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Product Information Packet: Model No: 286TSHFCD9001, Catalog No:W565A XRI®-841 Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 286TS Frame, TEFC

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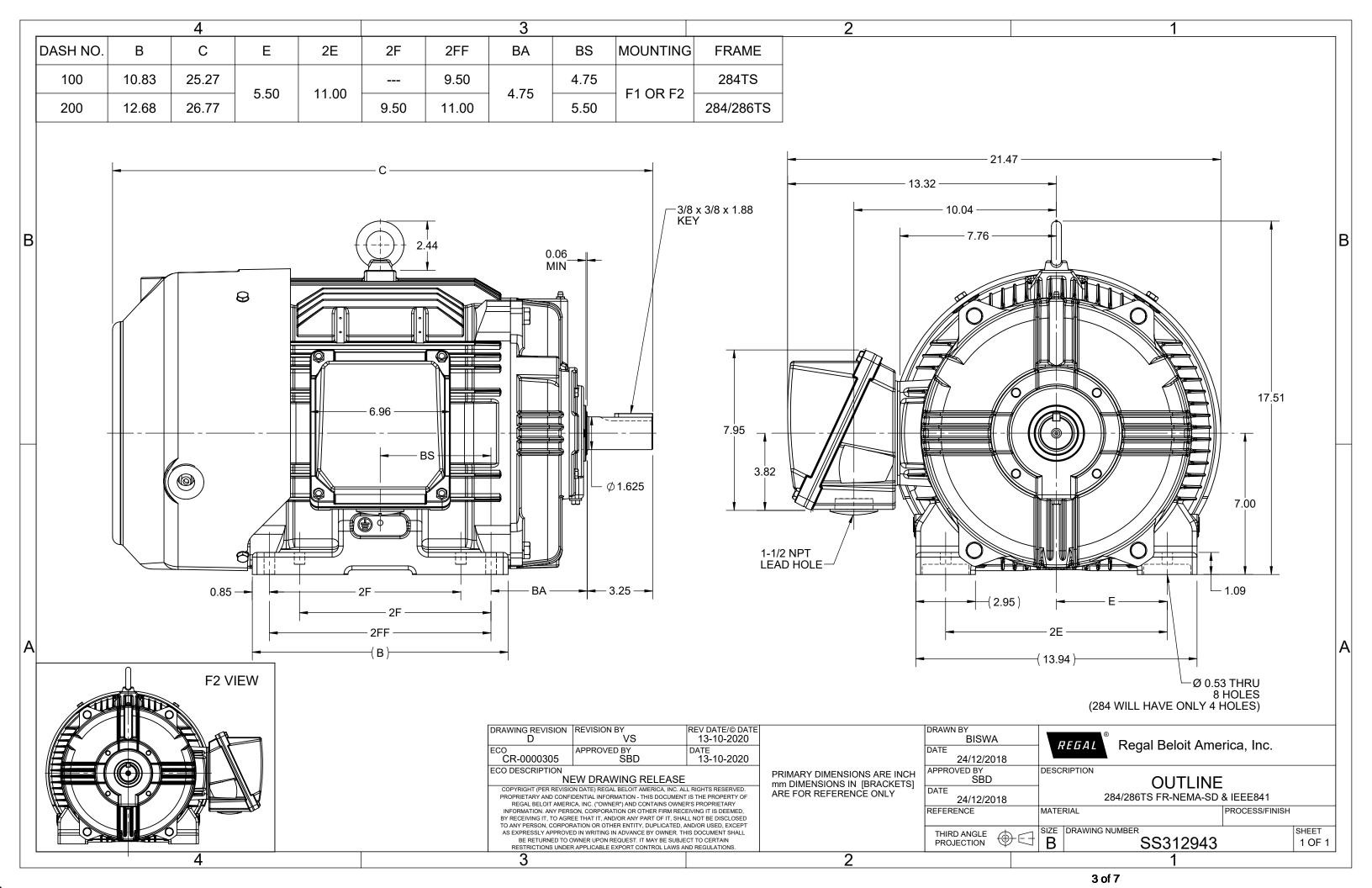
#### Nameplate Specifications

Output HP	30 Нр	Output KW	22.4 kW		
Frequency	60 Hz	Voltage	460 V		
Current	35.5 A	Speed	3550 rpm		
Service Factor	1.15	Phase	3		
Efficiency	91.7 %	Power Factor	86.5		
Duty	Continuous	Insulation Class	Н		
Design Code	В	KVA Code	G		
Frame	286TS	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		

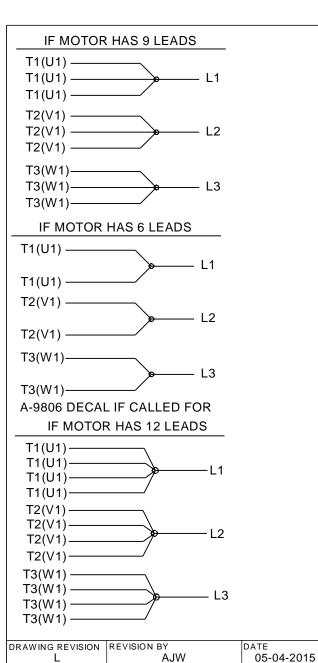
### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.338 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	SS312943-200	Connection Drawing	EE7300U

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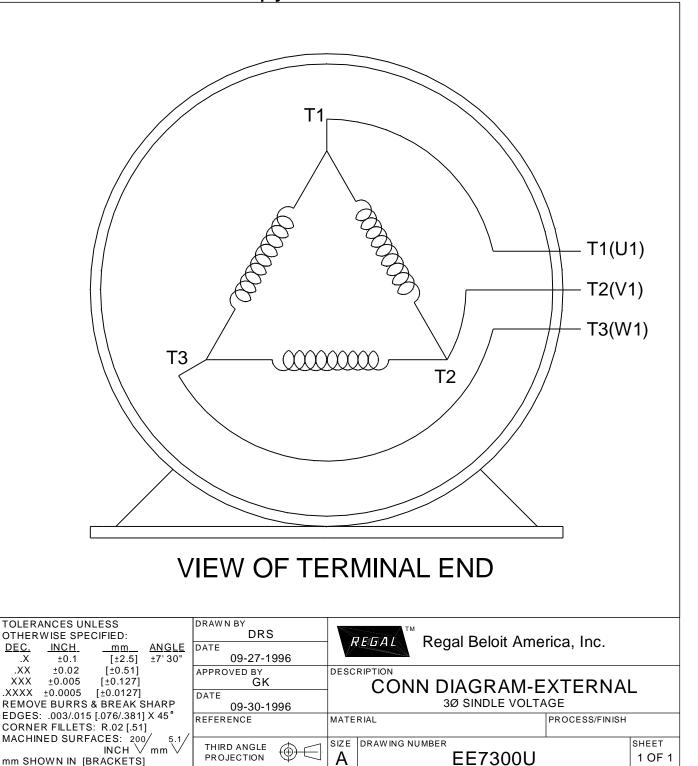
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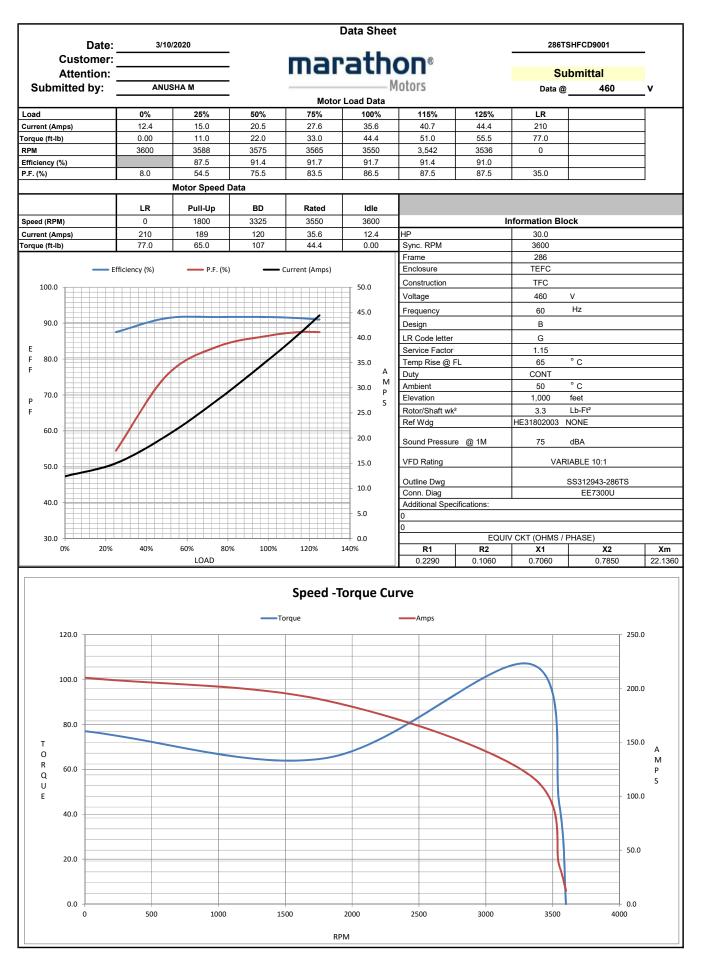
ECO DESCRIPTION



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Motors Data volts: 460												
					CEF	RTIFICATION DATA S	HEET					
						MODEL #: 286TSHFCD9001						
CONN. DIA OUTLINE: WINDING:		EE7300U SS312943-286TS HE31802003	NONE	1				CAT #: MOUNTING:		W565A ABLE		
				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
НР	кw	SYNC RPM	FL R	PM		FRAME	ENCLOSURE		TYPE	KVA C	KVA CODE	
30	22.4	3600	3550			286TS	TEFC		TFC	G	G	
			1									
<u>РН</u> 3	HZ 60	460	AMF 35.			START TYPE LINE OR INVERTER		UTY ONT	INSL H	<b>S.F.</b> 1.15	AMB (° C) 40	ELEV.(Ft) 3300
	00	400		5			0			1.15	40	3300
	F.L. EFF F.L. PF	91.7 86.5	3/4 LD EFF 3/4 LD PF	91.7 83.5		1/2 LD EFF 1/2 LD PF	91.4 75.5			ELECT. TYPE SQ CAGE INV RATE		
	F.L. PF	6.00	3/4 LD PF	63.5		1/2 LD PF	75.5	91.0		SQ CAGE	INV KATED	
	FORQUE	LR AMPS @	460 V			R. TORQUE		B.D. TORQUI		F.L. RISE	= (° C)	
44.4	LB-FT	210		77.0	LB-FT	173%	107	LB-FT	241%	65		
SOUND P	SOUND PRESSURE @ SOUND		ROTOR	ROTOR WK <sup>2</sup> MAX. LOAD WK <sup>2</sup>		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR	
75	dBA	84 <b>dBA</b>	3.3	LB-FT <sup>2</sup>	35	LB-FT <sup>2</sup>	20	SEC.		2	467	LB.
			•		*** 511	PPLEMENTAL INFORMA						
	ODE BRACKET		MOUNT	INT MOTOR		HAZARDOUS		DRIP				
	CKET TYPE NDARD	TYPE STANDARD	TYPE RIGID		TATION CONTAL	SEVERE DUTY PREMIUM SEVERE DUTY	LOCATION DIVISION 2 T2B		NO NO	SCREENS NONE	PAINT BLUE (EPOXY)	
			· · · ·					-				( - <i>1</i>
DE BEA	ARINGS ODE	GREASE	SHAFT	SHAFT TYPE SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL	BALL	POLYREX EM	TS			NONE NONE			1045 HOT ROLLED (C-204)		CAST IRON	
6311	6211	T OETREX EM	LYREX EM IS			NONE	NONE		1045 HOT KOLLED (C-204)		CASTIRON	
											SPACE	HEATERS
THERMOSTATS NONE		PROTECTORS NOT	NON			BRG RTD's NONE	THERMISTORS NONE		FALSE		-	NA
		Nor				NONE				TALOL		
	hms/ph)	R2 (ohms/ph)	X1 (ohm			X2 (ohms/ph)		hms/ph)	VIBRA	TION (in/sec)		
°	.229	0.106	0.70	O		0.785	22	2.136 If Inverter	equals NO	0.080 NE, contact factory	for further info	ormation
*												
N O							IN	INVERTER		VARIABLE 10:1 NONE		
т												
E								ENCODER:	NONE			
S ∗								NONE			NONE	PPR
					BRAKE: NONE							
PRE	PREPARED BY: ANUSHA M			NONE NONE								
	DATE: 3/10/2020					FT-LB: VOLTAGE:		NA NONE		HZ:		
FORM: 35	31 REV_4	2/27/06						. OLIAGE.				112.
** Subject	to change with	out notice.										

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## **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: 286TSHFCD9001

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

Catalog No : W565A

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

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Authorized Representative in the Community:

Julian Clark Marketing Engineer