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



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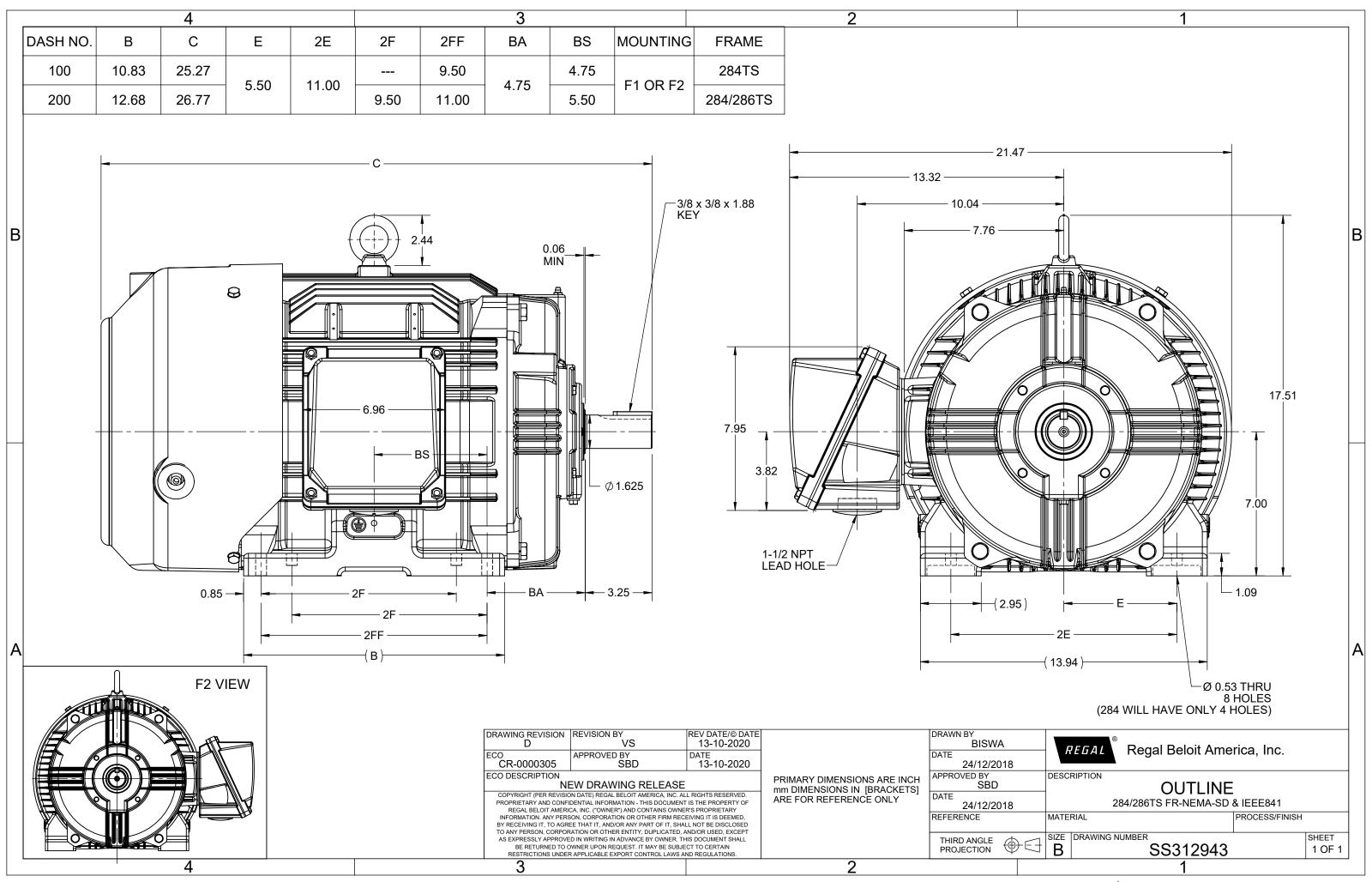
Nameplate Specifications

Phase	3	Output HP	25 Hp		
Output KW	18.7 kW	Voltage	460 V		
Speed	3555 rpm	Service Factor	1.15		
Frame	284TS	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91.7 %		
Ambient Temperature	40 °C	Frequency	60 Hz		
Current	30.0 A	Power Factor	86		
Duty	Continuous	Insulation Class	н		
Design Code	В	KVA Code	G		
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211		
UL	Listed	CSA	Υ		
CE	Υ	IP Code	56		
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B		

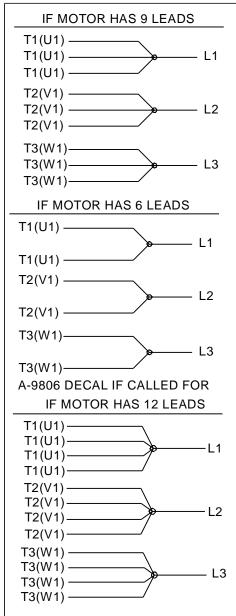
Technical Specifications

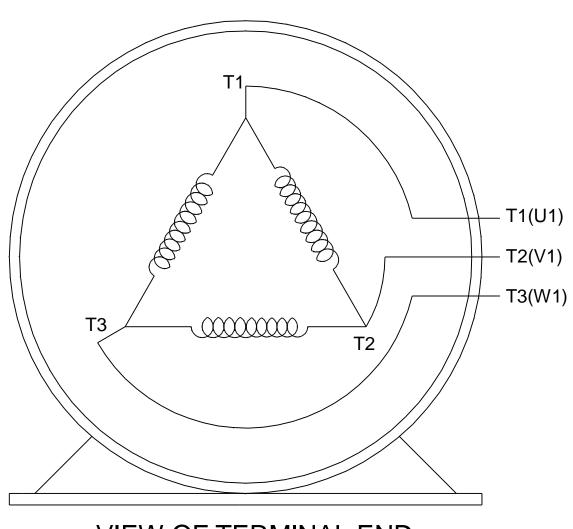
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	2	Rotation	Reversible			
Resistance Main	.395 Ohms	Mounting	Rigid Base			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	тѕ	Shaft Diameter	1.625 in			
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing	EE7300U	Outline Drawing	SS312943-100			

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VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE		
L	AJW	05-04-2015		
ECO	APPROVED BY	DATE		
ECO-0077067	EWH	05-05-2015		
ECO DESCRIPTION				

UPDATED TO SOLIDWORKS

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IOLLINA	TINGES ON	ILLUU	
OTHER'	WISE SPE	CIFIED:	
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>
.X	±0.1	[±2.5]	±7' 30"
.XX		[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOV	E BURRS	& BREAK S	HARP
EDGES:	.003/.015	[.076/.381]	X 45°
CORNE	R FILLETS	S: R.02 [.51]
MACHIN	IED SURF	ACES: 200	
		INCH ∨	mm 🗸
mm SHO	OWN IN [E	BRACKETS]	

TOLERANCES LINLESS

	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit Ame	rica, Inc.		
	APPROVED BY GK DATE 09-30-1996	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE				
,	REFERENCE	MATE	RIAL	PROCESS/FINISH		
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1	

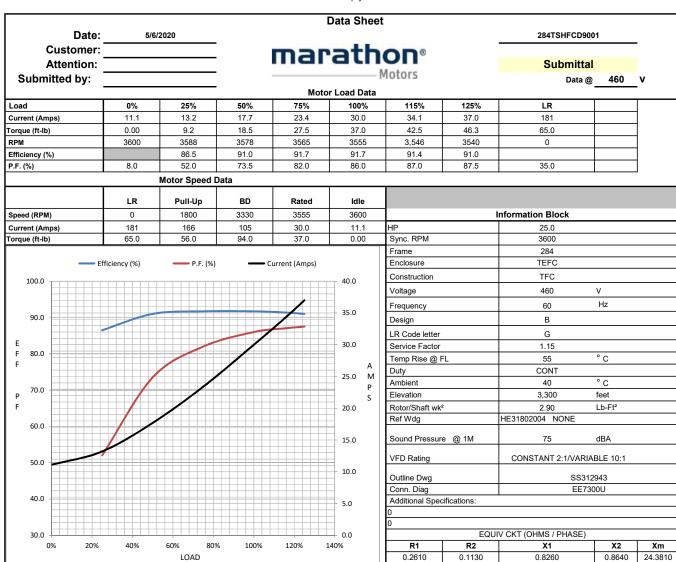


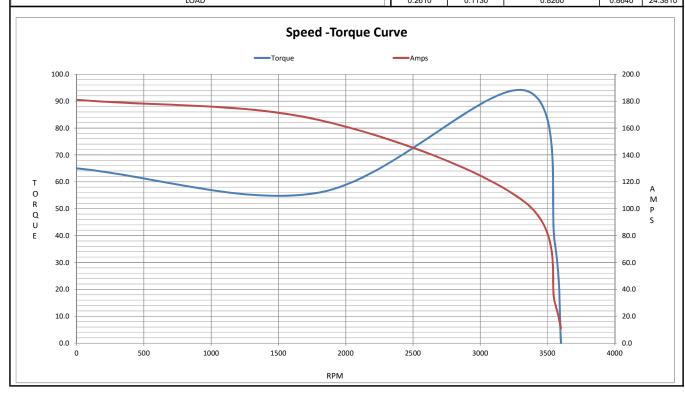
DATA VOLTS: 460

					CI	ERTIFICATION DATA	A SHEE	т					
5	SS312943		NONE	1	TVDIC A	I MOTOR REPEOR		CAT #:	W558A				
v	SYNC	: RPM	FI RE						TYPE	KVA COL)F	DESIGN	
						284TS	TEFC		TFC	G		В	
$\overline{}$	vo	LTS	AMP	S		START TYPE			INSL	S.F.	AMB (° C)	ELEV. (Ft)	
	4	60	30		L	INE OR INVERTER	C	ONT	Н	1.15	40	3300	
EEE	01.7		3/4 I D EEE	01.7	ı	1/2 I D EEE	91.0	GTD EFF	ı	EI ECT	TVDE		
E LR AMPS @		460 V		L.R	. TORQUE	B.D. TORQUE		.	F.L. RISE (°C)			
37.0 LB-FT 181		181	65.0		LB-FT 176%		94.0	LB-FT	254%	55			
				141152	1						40001		
JRE		_										MOTOR LB.	
	04	UDA	. 2.30	LD-1 1	30	LD-I I	20	JLU.			443	LD.	
					*** S	UPPLEMENTAL INFOR	MATION	***					
			MOUNT				HAZARDOUS		DRIP	SCRENS DAIL			
YPE											PAINT BLUE (EPOXY)		
	STAIN	DARD	RIGID	HURIZ	ONTAL	PREMIUM SEVERE DUTT	טועוסו	UN Z IZB	INO	NONE	BLU	E (EPOXT)	
Т													
E	GRE	ASE	SHAFT	ITPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAM	E MATERIAL	
BALL BALL 6311 6211		REX EM	TS		NONE NONE		ONE	1045 HOT ROLLED (C-204)		CA	CAST IRON		
1			l		l				l				
rs	PROTE	CTORS	WDG RTD's			BRG RTD's	THERMISTORS		CONTROL		SPACE	HEATERS	
	N	ОТ	NON	ΙE	NONE		NONE			FALSE	NA		
										·			
)			X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)				
	0.1	113	0.82	ь		0.864	2	4.381		0.080			
							If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					ion	
							ENCODER: NONE						
								NONE NONE			NONE	DDD	
	V 7 Z Z Z D D D D D D D D D D D D D D D D	SS312943 HE318020 V SYNC 7 36 Z VO 0 44 EFF 91.7 PF 86.0 E LR URE SOL 84 YPE TY STAN GRE LL 11 POLYFI IS PROTE N(1) R2 (oh	SS312943 HE31802004 V SYNC RPM 7 3600 Z VOLTS 0 460 EFF 91.7PF 86.0 EE LR AMPS @ 181 URE SOUND 84 dBA VYPE STANDARD GREASE LL LL POLYREX EM TS PROTECTORS NOT	SS312943	SS312943	M: EE7300U	M: EE7300U	M: EE7300U SS312943 HE31802004 NONE 1 TYPICAL MOTOR PERFORMANCE V SYNC RPM FL RPM FRAME ENC! 7. 3600 3555 284TS T E VOLTS AMPS START TYPE D D 460 30 LINE OR INVERTER C D 460 30 LINE OR INVERTER C D 460 30 LINE OR INVERTER C D 1/2 LD EFF 91.7 1/2 LD EFF 91.0 LPF 86.0 3/4 LD PF 82.0 1/2 LD PF 73.5 E LR AMPS	SE7300U	MODEL #: 284TSHF0	MODEL #: 284TSHFCD9001 SS172943 H31802004 NONE 1	## MODEL #: 284TSHFCD9001 GAT #: W658A SS912943 HE91802004 NONE 1 ## MOUNTING: F1/F2 CAPABLE ***********************************	

BRAKE: NONE NONE FT-LB: PREPARED BY: ANUSHA M
DATE: 3/31/2020 NONE NA VOLTAGE: NONE HZ:

FORM: 3531 REV_4 2/27/06
** Subject to change without 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: 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)

Michael A Logsdon

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

Authorized Representative:

J. cerse

Authorized Representative in the Community:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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