# PRODUCT INFORMATION PACKET



Model No: 286THFCD9076 Catalog No: W555A

XRI®-841 Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 286T Frame, TEFC



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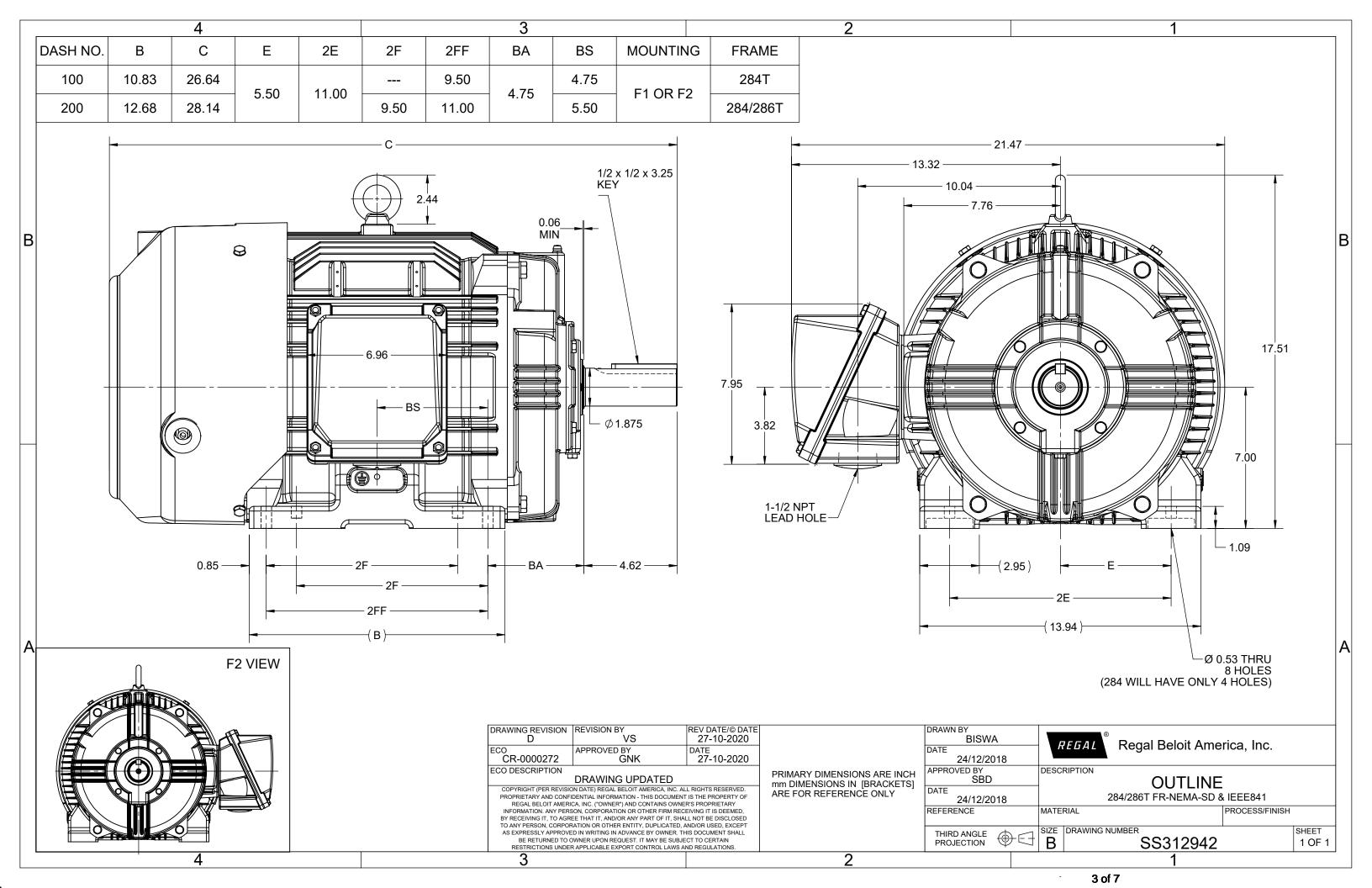
## Nameplate Specifications

Phase	3	Output HP	20 Hp		
Output KW	14.9 kW	Voltage	460 V		
Speed	1180 rpm	Service Factor	1.15		
Frame	286T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91.7 %		
Ambient Temperature	40 °C	Frequency	60 Hz		
Current	26.0 A	Power Factor	79		
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	6	Rotation	Reversible
Resistance Main	.5617 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	SS312942-200	Connection Drawing	EE7300

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DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

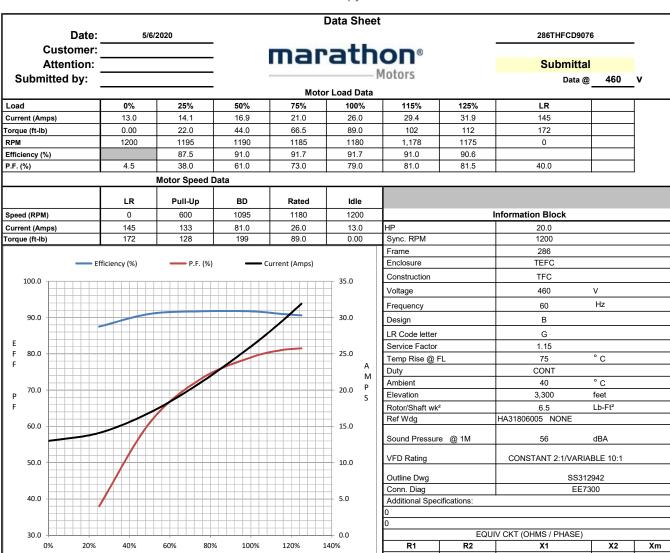
CONN. DIAGRAM: EE7300

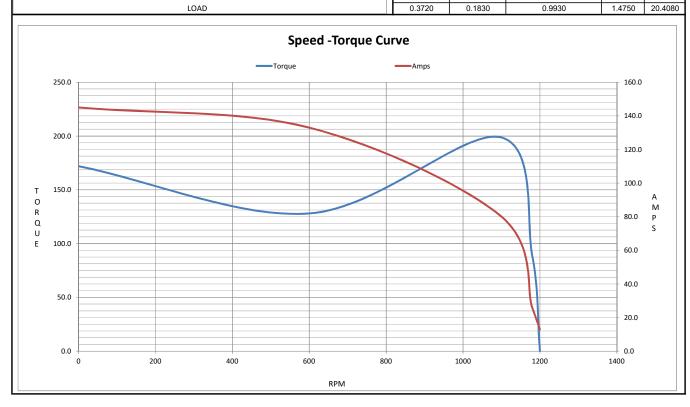
MODEL #: 286THFCD9076
CAT #: W555A

SS312942

\*\* Subject to change without notice

OUTLINE: WINDING:		SS312942 HA31806005	NONE	4				MOUNTING:	F1/F2 CAF	PABLE			
				TYPI	CAL MO	TOR PERFO	RMANC	CE DATA					
HP	ĸw	SYNC RE	M FLR	FL RPM		FRAME		ENCLOSURE		KVA CODE		DESIGN	
20	14.9	1200	118	30	286T		TEFC TF		TFC	G		В	
PH	HZ	VOLTS			S START TYPE		DUTY INSL		S.F.	AMB (° C)	ELEV. (Ft)		
3	60	460	26	3	LINE	OR INVERTER	(	CONT	Н	1.15	40	3300	
	F.L. EFF	91.7	3/4 LD EFF	91.7	I	1/2 LD EFF	91.0	GTD EFF	1	ELECT.	TVDE		
	F.L. EFF	79.0	3/4 LD EFF	73.0		1/2 LD EFF	61.0	91.0		SQ CAGE IN			
	F.L. FF	79.0	3/4 LD FF	73.0		1/2 LD FF	01.0	91.0	l	3Q CAGL III	IVICATED		
F.L. TO	ORQUE	LR AM	PS @ 460 V		L.R. TORQUE		B.D. TORQUE			F.L. RISE	° C)		
	LB-FT		145	152	LB-FT	171%	199	LB-FT	224%	65	i -,		
	RESSURE	SOUND			+	K. LOAD WK <sup>2</sup>		STALL TIME	STA	ARTS/HOUR		ROX.	
56	dBA	65 <b>dB</b> .	<b>A</b> 6.50	LB-FT <sup>2</sup>	250	LB-FT <sup>2</sup>	20	SEC.		2	489	LB.	
			`	**	* CLIDDL	EMENTAL INCO		NI ***					
		ODE BRAC	KET   MOUNT		TOR	EMENTAL INFO		ARDOUS	DRIP	T	1		
DE BRAC	KET TYPE	TYPE	TYPE	-	TATION	SEVERE DUTY		CATION	COVER	SCREENS	PAINT		
	IDARD	STANDA	RD RIGID		ONTAL	MIUM SEVERE D		SION 2 T2B	NO	NONE	BLUE (EPOXY)		
	RINGS	GREAS	E SHAFT	TYPE	SI	PECIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL	
DE BALL	ODE BALL												
6311	6211	POLYREX	EM T			NONE	1	NONE	1045 HO	T ROLLED (C-204)	CAS	T IRON	
					<u> </u>	·			!				
											SPACE	HEATERS	
THERM	OSTATS	PROTECTO			В	RG RTD's	THER	RMISTORS	(	CONTROL	SFACE	HEATERS	
NC	DNE	NOT	NON	ΝE		NONE	1	NONE		FALSE		NA	
D4 (-1		D0 (-1		(   \)		. / - b <i>t</i> - b	V /	- h t - h \	L	ATION (Code on)	1		
	ms/ph) 372	R2 (ohms/ 0.183	ph) X1 (ohn 0.99		X2	2 (ohms/ph) 1.475		ohms/ph) 20.408	VIBR	ATION (in/sec) 0.080			
0.,	312	0.103	0.93	33		1.473		20.400		0.000			
*								If Inverter eq	uals NONE,	contact factory for	further inform	nation	
N							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1						
0							II	NV. HP SPEEI	D RANGE:	NONE			
T													
E								ENCODER:	NONE				
S								NONE			NO.		
*								NONE	NONE		NONE	PPR	
DDED	ARED BY:							BRAKE: NOI		NONE			
FREP	DATE:	4/2/202	<u> </u>					FT-LB:	NL:	NA NONE			
	DATE.	7/2/2020	•					VOLTAGE:		NONE		HZ:	
FORM: 35	31 REV 4	2/27/06				ı	UL:		- ME,WUXI	TEFC BLUEWHAL	E CLASS 1		







# **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: 286THFCD9076

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

Catalog No: W555A

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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