# PRODUCT INFORMATION PACKET



Model No: 286THFCD19077 Catalog No: W556A

XRI®-841 Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 286T Frame, TEFC



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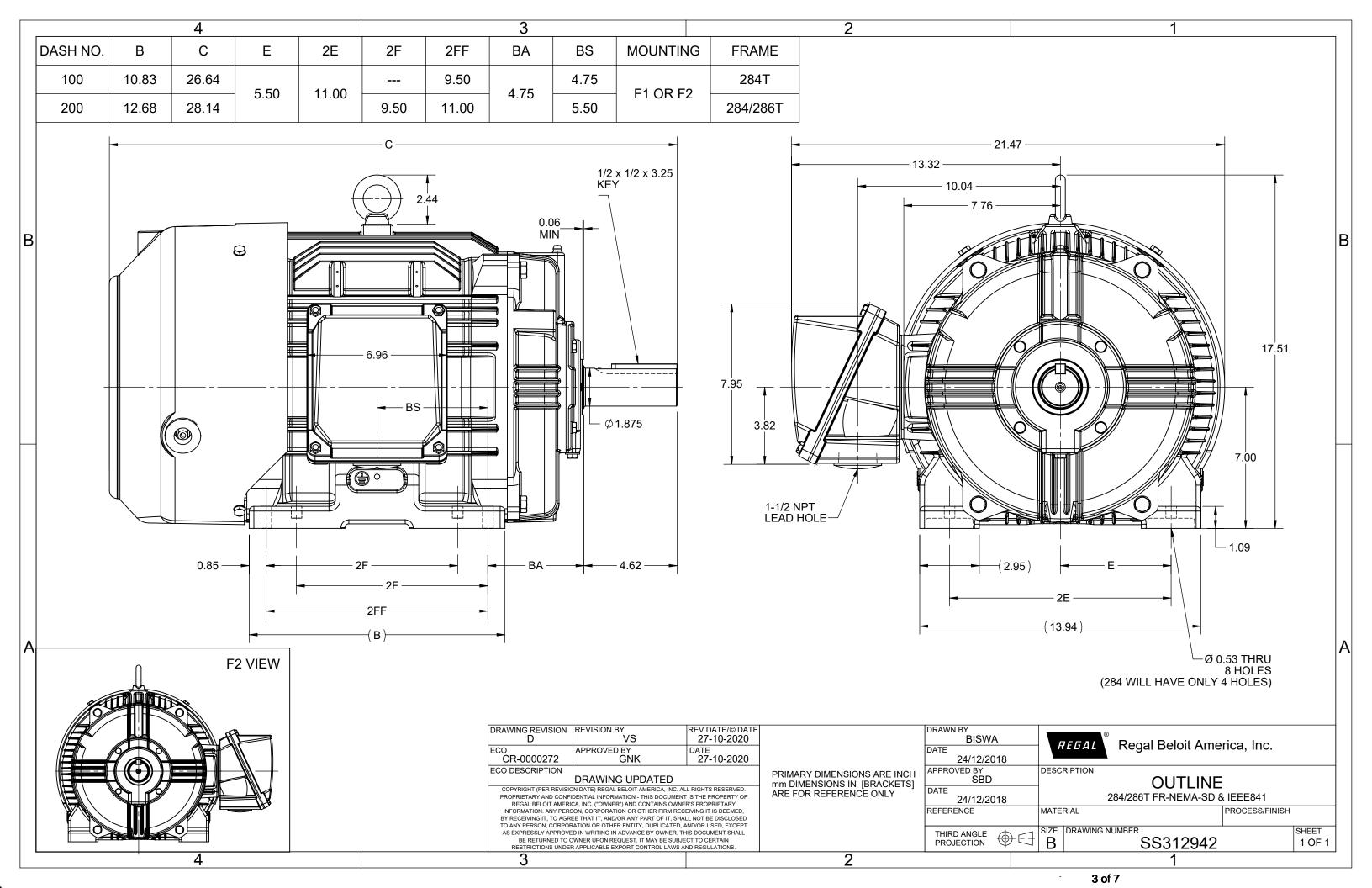
## Nameplate Specifications

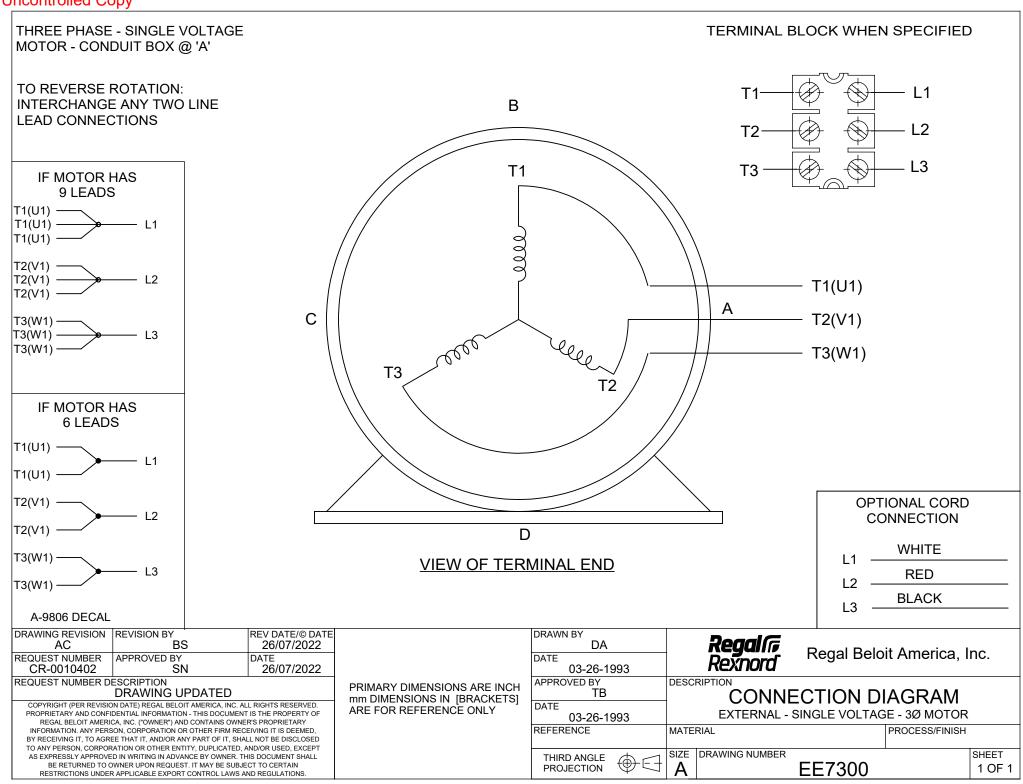
Phase	3	Output HP	20 Hp			
Output KW 14.9 kW		Voltage	575 V			
Speed	1180 rpm	Service Factor	1.15			
Frame	286T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91.7 %			
Ambient Temperature	40 °C	Frequency	60 Hz			
Current	20.8 A	Power Factor	79			
Duty	Continuous	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 \$\$312942-200		Connection Drawing	EE7300			

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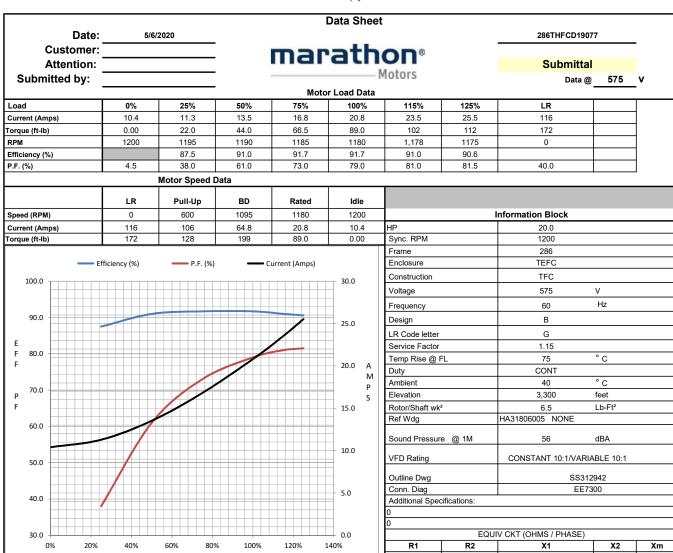
DATA VOLTS: 575

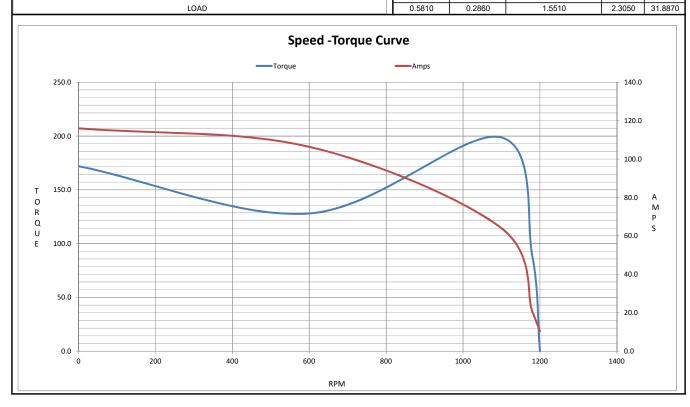
#### **CERTIFICATION DATA SHEET**

MODEL #: 286THFCD19077
CAT #: W556A

CONN. DIAGRAM: EE7300 OUTLINE: SS31294 SS312942

OUTLINE: WINDING:		HA31806005	NONE	3				MOUNTING	F1/F2 CAF	PABLE		
				TYPI	CAL MO	TOR PERFO	RMANG	E DATA				
НР	кw	SYNC RPM	FLR	FL RPM		FRAME		ENCLOSURE		KVA CO	DE	DESIGN
20	14.9	1200	118	80	0 286T		TEFC		TFC	G		В
PH	HZ	VOLTS	AMI	96		ART TYPE	-	DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	575	20.			OR INVERTER		CONT	Н	1.15	40	3300
	F.L. EFF	91.7	3/4 LD EFF	91.7		1/2 LD EFF	91.0	GTD EFF		ELECT.	TYPE	
	F.L. PF	79.0	3/4 LD PF	73.0		1/2 LD PF	61.0	91.0		SQ CAGE IN	NV RATED	
	ORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE				(° C)	
89.0	LB-FT	116		152	LB-FT	171%	199	LB-FT	224%	65		
	SOUND PRESSURE SOUND		ROTOR		+	C. LOAD WK <sup>2</sup>		STALL TIME	STA	ARTS/HOUR		PROX.
56	dBA	65 <b>dBA</b>	6.50	LB-FT <sup>2</sup>	250	LB-FT <sup>2</sup>	20	SEC.		2	491	LB.
		ODE BRACKET	MOUNT			EMENTAL INFO			DRIP	T		
DE BRACKET TYPE		TYPE			TOR TATION SEVERE DUTY		HAZARDOUS LOCATION		COVER	SCREENS	PAINT	
STAN	IDARD	STANDARD	RIGID	HORIZ	ONTAL	MIUM SEVERE D	DIVIS	SION 2 T2B	NO	NONE	BLUE	(EPOXY)
BEAF DE	RINGS ODE	GREASE	SHAFT TYPE		SPECIAL DE		SPECIAL ODE SHAFT		SHAFT	MATERIAL	FRAME MATERIAL	
BALL 6311	BALL 6211	POLYREX EM	ЕМ Т		NONE		1	NONE	1045 HOT ROLLED (C-204		CAST IRON	
THERM	OSTATS	PROTECTORS	WDG F	RTD's	В	RG RTD's	THEF	RMISTORS		CONTROL	SPACE	HEATERS
	NE	NOT	NON			NONE		NONE		FALSE		NA
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohn	ns/ph)	X2 (ohms/ph)		Xm (	ohms/ph)	VIBR	ATION (in/sec)		
0.907	78125	0.446875	2.4234	1375	3	3.6015625	49.	8234375		0.080		
* N O T							I		TORQUE:	contact factory for CONSTANT 10:1/\ NONE		
E						ENCODER: NONE						
\$ *								NONE NONE			NONE	PPR
PREPARED BY: ANUSHA M DATE: 4/2/2020						BRAKE: NONE  NONE  NONE  FT-LB:  NA						
	31 REV_4 to change w					l	UL:	VOLTAGE: NO LETTER		NONE TEFC BLUEWHAL	LE CLASS 1	<b>HZ</b> : DIV. 2 UL LIS







# **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: 286THFCD19077

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

Catalog No: W556A

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

Julian Clark Marketing Engineer

Created on 09/01/2022

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