PRODUCT INFORMATION PACKET



Model No: 286TTFCD6576
Catalog No: E639A

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



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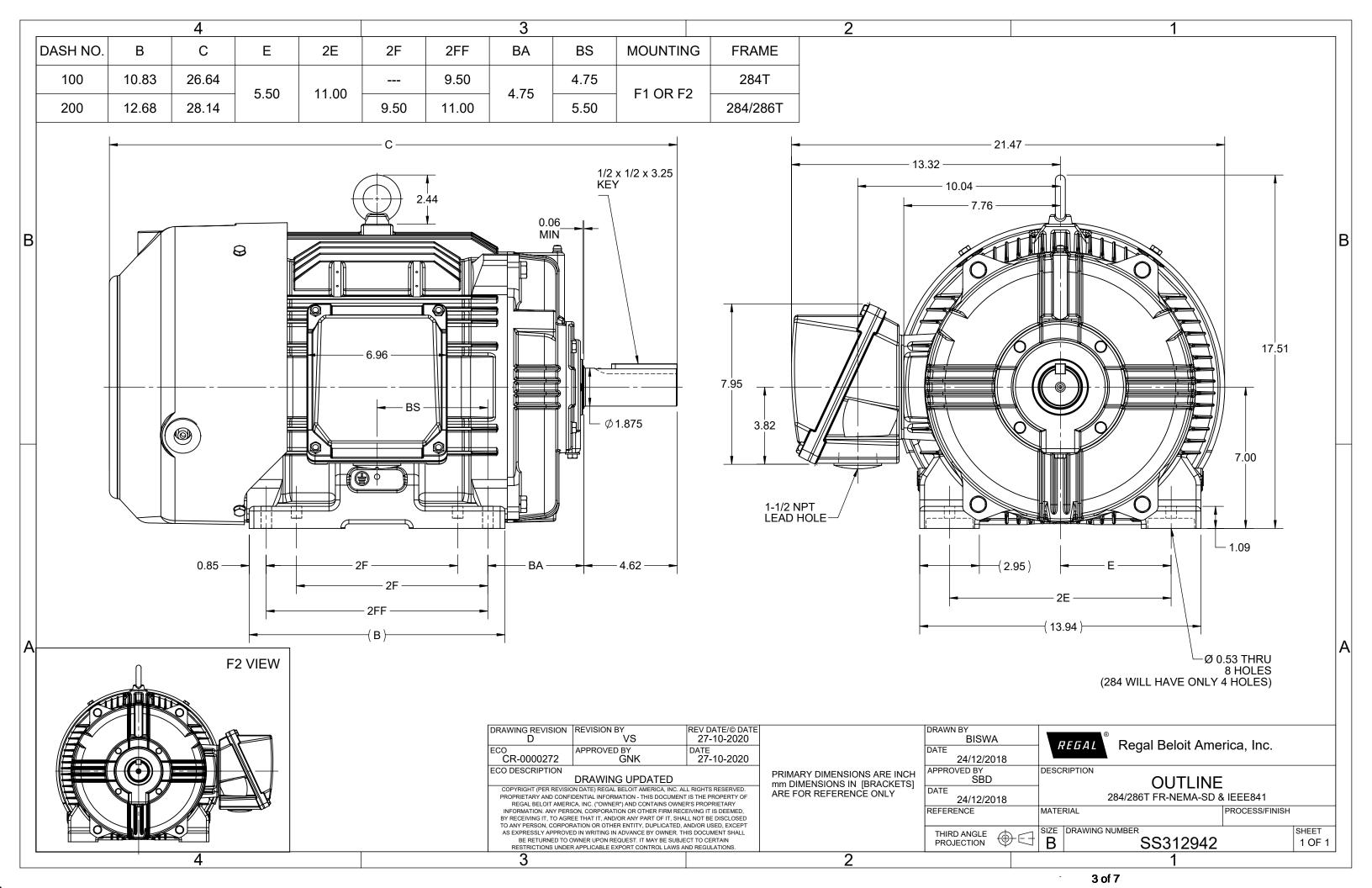
Nameplate Specifications

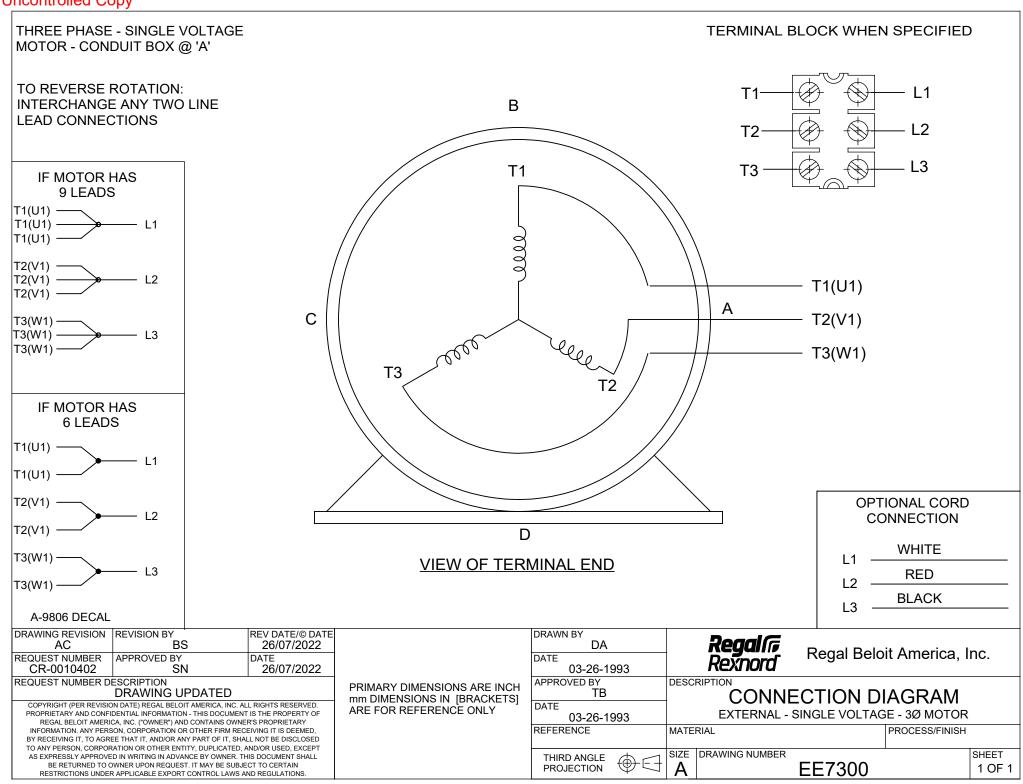
Phase	3	Output HP	20 Hp 460 V		
Output KW	14.9 kW	Voltage			
Speed	1180 rpm	Service Factor	1.15		
Frame	286T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91.7 %		
Ambient Temperature	40 °C	Frequency	60 Hz		
Current	26.0 A	Power Factor	79		
Duty	Continuous	Insulation 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	55		
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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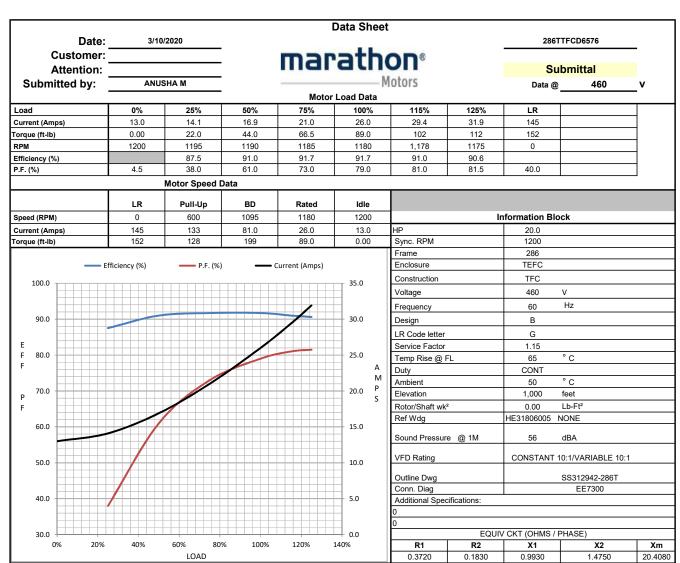


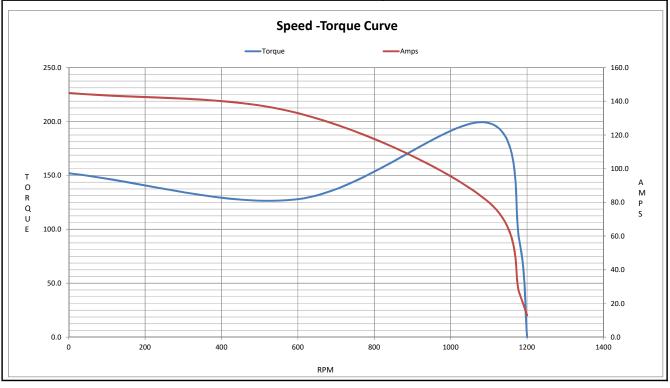
DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIA DUTLINE: WINDING:		EE7300 SS312942-286T HE31806005	NONE	4		R		E MODEL #: CAT #: MOUNTING:		E639A		-
VINDING.		1120100000	NONE		/ΡΙCΔΙ	MOTOR PERFORM			FI/FZ CAF	ADLE		
НР	кw	SYNC RPM	FLR		ITIOAL	FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
20					286T	TEFC		TFC	G		В	
20	14.0	1200	110			2001			110			
PH	HZ	VOLTS	AMPS			START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV.(F
3	60	460	26		L	LINE OR INVERTER CONT				1.15	40	3300
	F.L. EFF	91.7	3/4 LD EFF	91.7		1/2 LD EFF	91.0	GTD EFF	1	ELECT. T	VDE	
	F.L. PF	79.0	3/4 LD EFF	73.0		1/2 LD EFF	61.0	91.0		SQ CAGE INV		
		7 0.0	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 0.0			01.0	01.0		54 57 52 111		
	TORQUE	LR AMPS @	460 V		L.R. TORQUE B.D. TOR		B.D. TORQUI	JE F.L. RISE		° C)		
89.0	LB-FT	145		152	LB-FT	171%	199	LB-FT	224%	65		
SOUND P	RESSURE @	SOUND	ROTOR	R WK²		MAX. LOAD WK ²	SAFE STALL TIME		STARTS/HOUR		APROX.	
56	dBA	65 dBA	6.50	LB-FT ²	250	LB-FT ²	20	SEC.		2	490	LB.
	CKET TYPE	STANDARD RIGID HORIZONTAL PREMIUM SEVERE DUTY DIVISION 2		ARDOUS CATION	DRIP COVER	SCREENS NONE	PAINT BLUE (EPOXY)					
											,	
DE	ARINGS ODE	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT MATERIAL		FRAME MATERIAL	
6311	6211	POLYREX EM	Т			NONE	N	IONE	1144 STRESSPROOF (C-223)		CAST IRON	
THERI	MOSTATS	PROTECTORS	WDG R	RTD's		BRG RTD's	THER	MISTORS	CONTROL		SPACE	HEATER
NONE		NOT	NON	NE		NONE	N	IONE	FALSE		NA	
		R2 (ohms/ph) 0.183	X1 (ohms/ph) X2 (ohms/ph) 0.993 1.475		Xm (ohms/ph) 20.408		VIBRATION (in/sec) 0.080		FLOAT ODE			
* N O T								If Inverter equ	TORQUE:	contact factory for fur CONSTANT 10:1/VAI	ther informati	
E S *								ENCODER: NONE NONE			NONE	PPR
PR	EPARED BY: DATE:	ANUSHA M 3/18/2020						BRAKE: NON FT-LB:		NONE NA		

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: 286TTFCD6576

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

Catalog No : E639A

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:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. Cers

Julian Clark Marketing Engineer

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