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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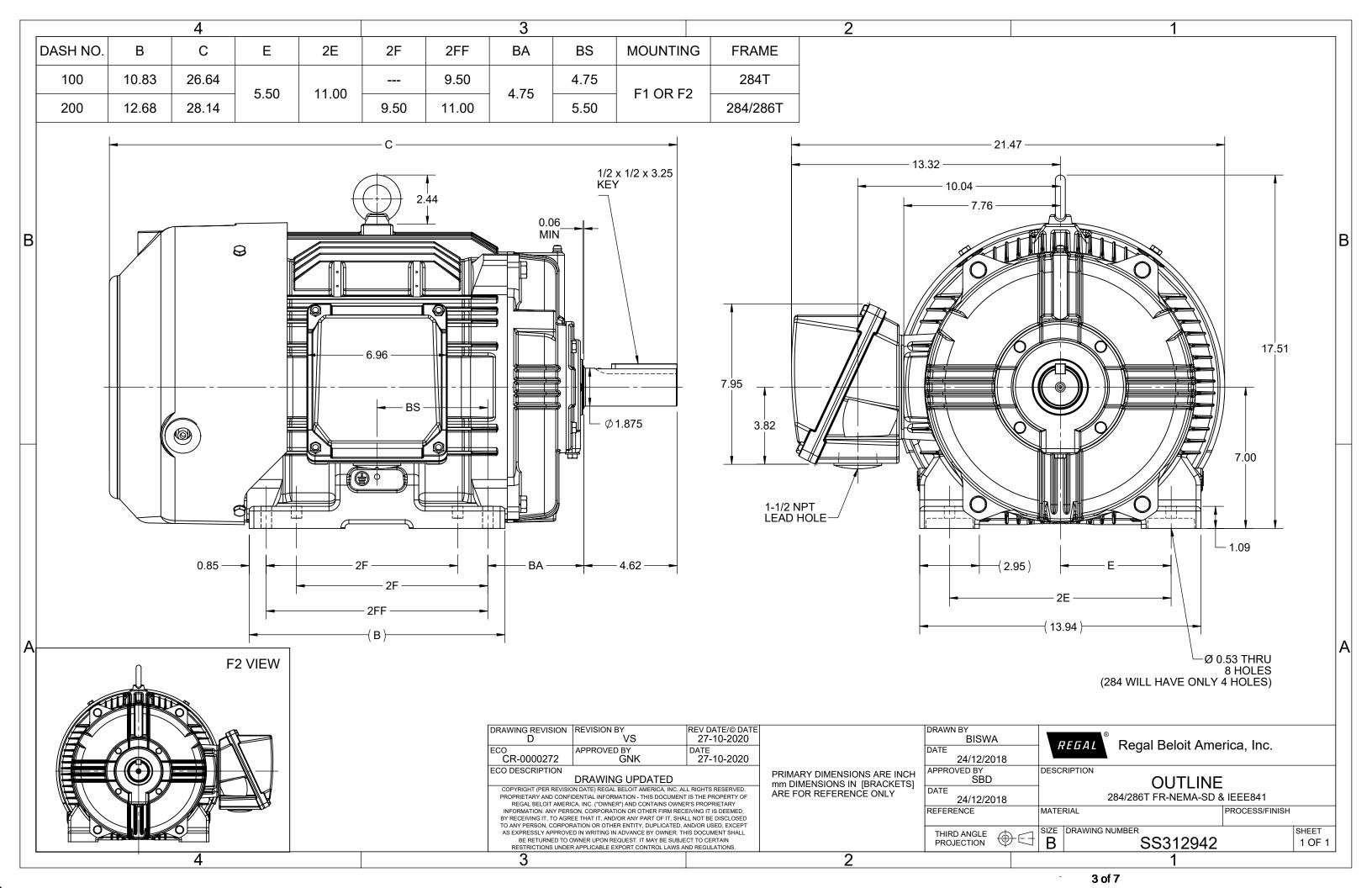
Nameplate Specifications

Output HP	20 Нр	Output KW	14.9 kW		
Frequency	60 Hz	Voltage	460 V		
Current	26.0 A	Speed	1180 rpm		
Service Factor	1.15	Phase	3		
Efficiency	91.7 %	Power Factor	79		
Duty	Continuous	Insulation Class	Н		
Design Code	В	KVA Code	G		
Frame	286T	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	Υ		
CE	Υ	IP Code	55		
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1		

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	e Drawing \$\$312942-200		EE7300		

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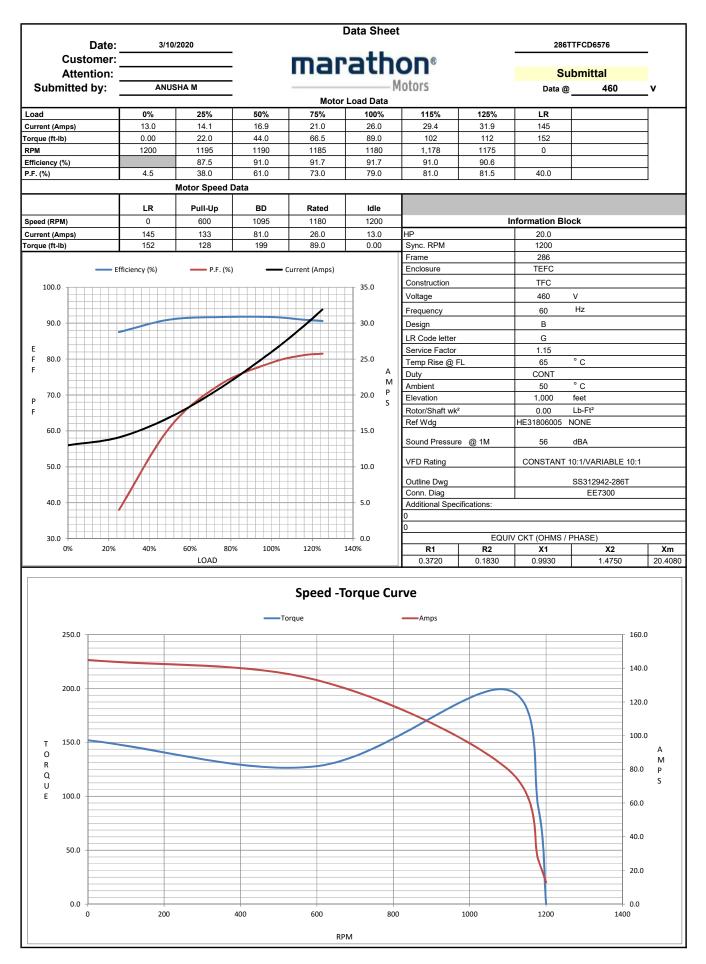
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					1 d 1.	athon® Motors				DATA VOLTS:	460	
					CEF	RTIFICATION DATA	SHEET	Г				
CONN. DIA OUTLINE: WINDING:		EE7300 SS312942-286T HE31806005	NONE	4				E MODEL #: CAT #: MOUNTING:		E639A		-
HP	ĸw	SYNC RPM	EL D		YPICAL				ТҮРЕ	KVA COL)E	DESIGN
			FL RPM								/2	
20	14.9	1200	118	0		286T	T	EFC	TFC	G	В	
PH	HZ	VOLTS	AME	PS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)
3	60	460	26		LI	INE OR INVERTER		ONT	Н	1.15	40	3300
												·
	F.L. EFF	91.7	3/4 LD EFF	91.7		1/2 LD EFF		GTD EFF		ELECT. 1		
	F.L. PF	79.0	3/4 LD PF	73.0		1/2 LD PF	61.0	91.0		SQ CAGE IN	/ RATED	
EL 1	TORQUE	LR AMPS @	460 V		LR	TORQUE		B.D. TORQU	F	F.L. RISE (° (1)	
89.0 LB-FT		145 152		LB-FT 171%		199 LB-FT		224%	65	U ,		
SOUND PRESSURE (SAFE STALL TIME		STARTS/HOUR		APROX.	
56	dBA	65 dBA	6.50	LB-FT ²	250	LB-FT ²	20	SEC.		2	490	LB.
					*** 911	PPLEMENTAL INFORI		***				
		ODE BRACKET	MOUNT	MO	TOR			ARDOUS	DRIP			
DE BRACKET TYPE		TYPE	TYPE		TATION	SEVERE DUTY		ATION	COVER	SCREENS	PAINT	
STA	NDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE	(EPOXY)
		1	1						1			
DE	ARINGS ODE	GREASE	SHAFT	TYPE	PE SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL		_				· · · · · · · · · · · · · · · · · · ·					
6311	6211	POLYREX EM	Т		NONE		NONE 1144 STR		ESSPROOF (C-223)	CAST IRON		
											SPACE	HEATERS
THERMOSTATS		PROTECTORS	WDG F		BRG RTD's		THERMISTORS		CONTROL			
N	IONE	NOT	NOM	IE		NONE	N	IONE		FALSE		NA
R1 (c	ohms/ph)	R2 (ohms/ph)	X1 (ohn	ns/nh)		X2 (ohms/ph)	Xm (c	ohms/ph)	VIBE	ATION (in/sec)	FI	OAT
0.372		0.183	0.99		1.475		20.408		0.080	ODE		
											-	
*										contact factory for fur		
N							1			CONSTANT 10:1/VA	RIABLE 10:1	
0							11	IV. HP SPEEI	D RANGE:	NONE		
T								ENCODER:	NONE			
E S							4	NONE	NONE			
*							1	NONE			NONE	PPR
								BRAKE:	NONE			
										NONE		
PR	EPARED BY:	ANUSHA M						NON		NONE		
PR	EPARED BY: DATE:	3/18/2020					-	FT-LB:		NA		
												H

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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: 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) 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