PRODUCT INFORMATION PACKET

Model No: 286TSTFCD6804 Catalog No: E490A XRI®-SD Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 286TS Frame, TEFC



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Motors

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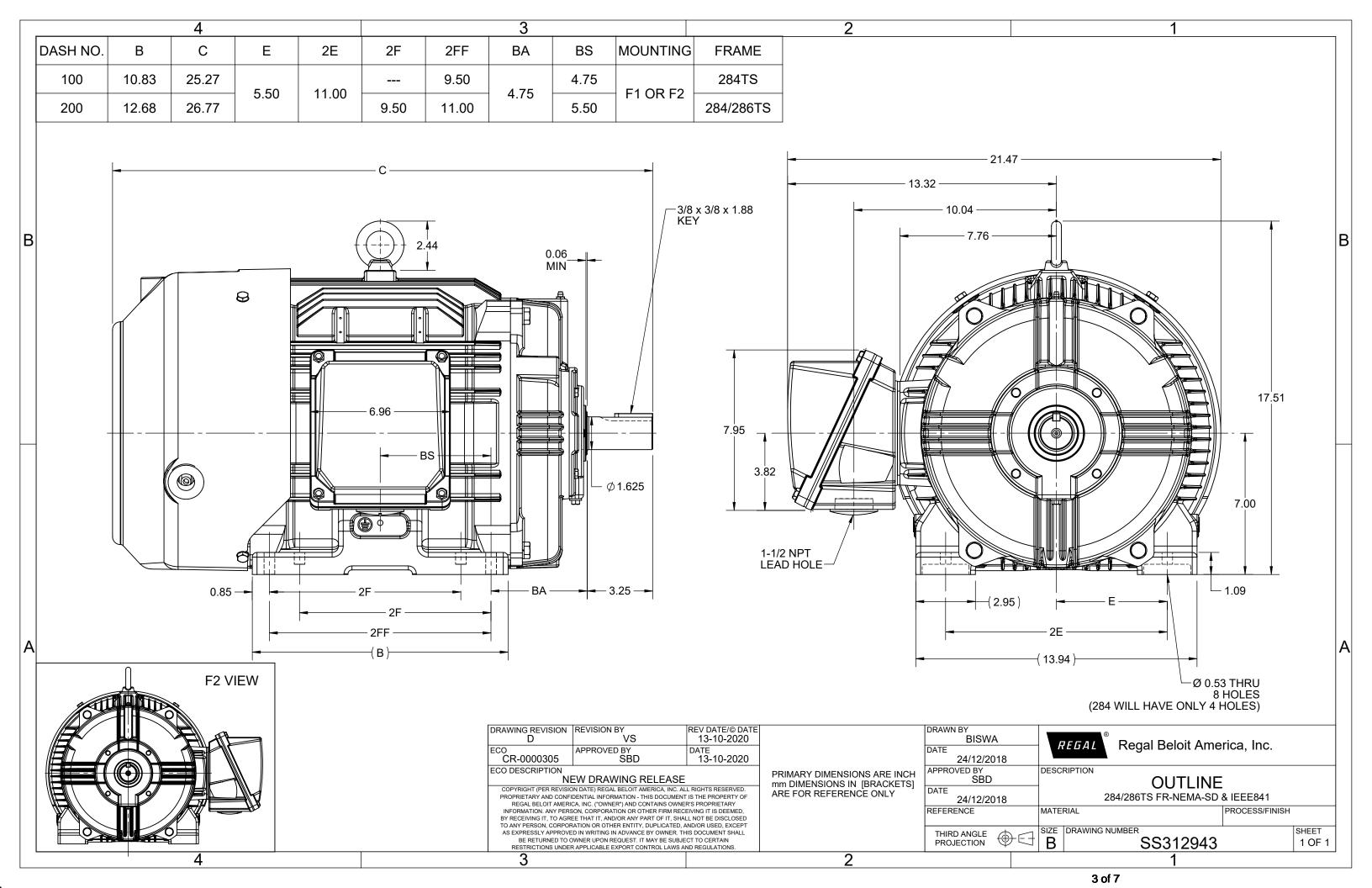
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	71.0/35.5 A	Speed	3550 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	86.5
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Frame	286TS	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	Y
CE	Y	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	2	Rotation	Reversible
Resistance Main	.338 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS312943-200	Connection Drawing	EE7308K

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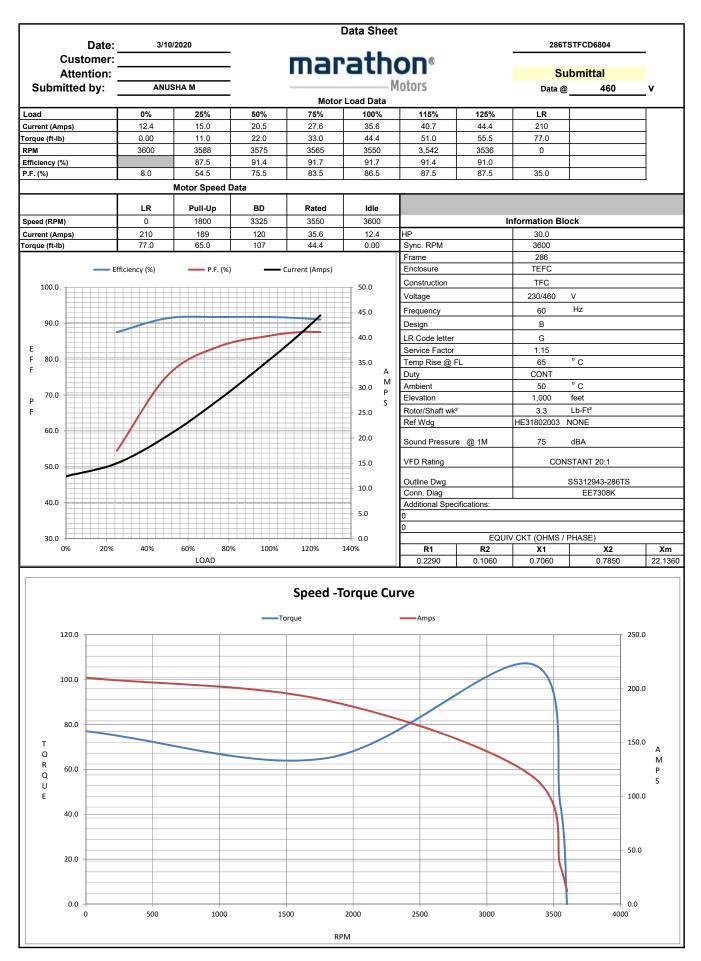


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LOW VOLTAGE								EE	7308K
T1(U1) T6(W2) T7(U3)									
T2(V1) T4(U2) T8(V3)	<u>)</u>								
T3(W1) T5(V2) T9(W3)	3			_		• T9 T4 •			-T6(W2) -T9(W3) -T1(U1) -T4(U2)
HIGH VOLTAGE T1(U1)L1				/	C C	Jon Star			-T7(U3) -T2(V1) -T5(V2)
T4(U2) T7(U3)									-T8(∨3) -T3(W1)
T2(V1)La) -	/			~				
T5(V2) T8(V3)	/								
T3(W1)L3	}			/IEW	/ 🗆 F	TERMINAL	END	<u> </u>	
T6(W2)									
		l	TOLE UNLESS	ERANCES SPECIFIEI		ANN NIKA NA NA NA		DRAWN	PGK 06-04-1997
E CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH		INCHES	R	EGAL REGAL - BELO	OIT CORPORATION	СНК	ML 06-05-1997
D RE-DRAWN WITH REGAL LOGO ECO-0110493 8 ADDED IEC DESIGNATIONS MU95020	WGJ 09-30-2016 TJW 4/30/2010	EMH MJS		±.1 ±.02	TITLE		CDAM	APPD SCALE	GK 06-15-1997
8 ADDED IEC DESIGNATIONS MU95020 7 REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998			±.02		CONNECTION DIA DELTA CON, - 30 -		REF	
6 REDRAWN ON CADD	PGK 06-05-1997			±.0005	MAT'L.			FMF	
ND. REVISION	BY & DATE	СНК		±7′30″	FINISH			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NO		RFP	· · · · ·		CAD FILE	EE7308K	SIZE DRAWING		
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				Π	ar	eathon®				DATA VOLTS:	460		
					CEF	TIFICATION DATA SI	HEET						
							MODEL #: 286TSTFCD6804						
OUTLINE:		EE7308K SS312943-286TS HE31802003	NONE 2				CAT #: E490A MOUNTING: F1/F2 CAPABLE						
				т	YPICAL	MOTOR PERFORMA		TA					
HP	ĸw	SYNC RPM	FL R	PM		FRAME	ENCL	OSURE	TYPE	KVA C	ODE	DESIGN	
30	22.4	3600	355	0		286TS	TEFC		TFC	G		В	
PH	HZ	VOLTS	AMF			START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV.(Ft)	
3	60	230/460	71/3			LINE OR INVERTER		ONT	н	1.15	40	3300	
	F.L. EFF F.L. PF	91.7 86.5	3/4 LD EFF 3/4 LD PF	91.7 83.5		1/2 LD EFF 1/2 LD PF	91.4 75.5	GTD EFF 91.0			ECT. TYPE GE INV RATED		
	ORQUE	LR AMPS @	460 V			R. TORQUE	B.D. TORQU			F.L. RISE	E (° C)		
	LB-FT	210		77.0	LB-FT	173%		LB-FT	241%	65			
SOUND PI 75	RESSURE @ dBA	SOUND 84 dBA	ROTOR 3.3	WK ² LB-FT ²	35	MAX. LOAD WK ² SAFE STALL TIME 35 LB-FT ² 20 SEC.		STA	RTS/HOUR	450	MOTOR LB.		
	CKET TYPE	ODE BRACKET TYPE STANDARD	MOUNT TYPE RIGID	ORIEN	*** SU TOR TATION ZONTAL	PPLEMENTAL INFORMA SEVERE DUTY PREMIUM SEVERE DUTY	TION *** HAZARDOUS DRIP LOCATION COVER DIVISION 2 T2B NO		SCREENS NONE	PAINT BLUE (EPOXY)		PAINT BLUE (EPOXY)	
	RINGS	GREASE	SHAFT	ТҮРЕ		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL	
DE BALL 6311	ODE BALL 6211	POLYREX EM	тя	i		NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
	IOSTATS	PROTECTORS	WDG R			THERMISTORS		CONTROL		SPACE	HEATERS		
	ONE	NOT	NOM			NONE		ONE		FALSE		NA	
	hms/ph) .229	R2 (ohms/ph) 0.106	X1 (ohn 0.70			X2 (ohms/ph) 0.785		hms/ph) 2.136		TION (in/sec) 0.080			
* N O T							11		TORQUE:	NE, contact factory CONSTANT 20:1 NONE	tor further info	prmation	
E S								ENCODER: NONE NONE	NONE		NONE	PPR	
	PREPARED BY: ANUSHA M DATE: 3/10/2020						BRAKE: NONE NONE NONE FT-LB: NA					<u>. רדת</u>	
	31 REV_4 to change with	2/27/06 out notice.						VOLTAGE:		NONE		HZ:	

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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: 286TSTFCD6804

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

Catalog No : E490A

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