## **PRODUCT INFORMATION PACKET**

Model No: 286TTFCD6570 Catalog No: E491A XRI®-SD Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286T Frame, TEFC



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Motors



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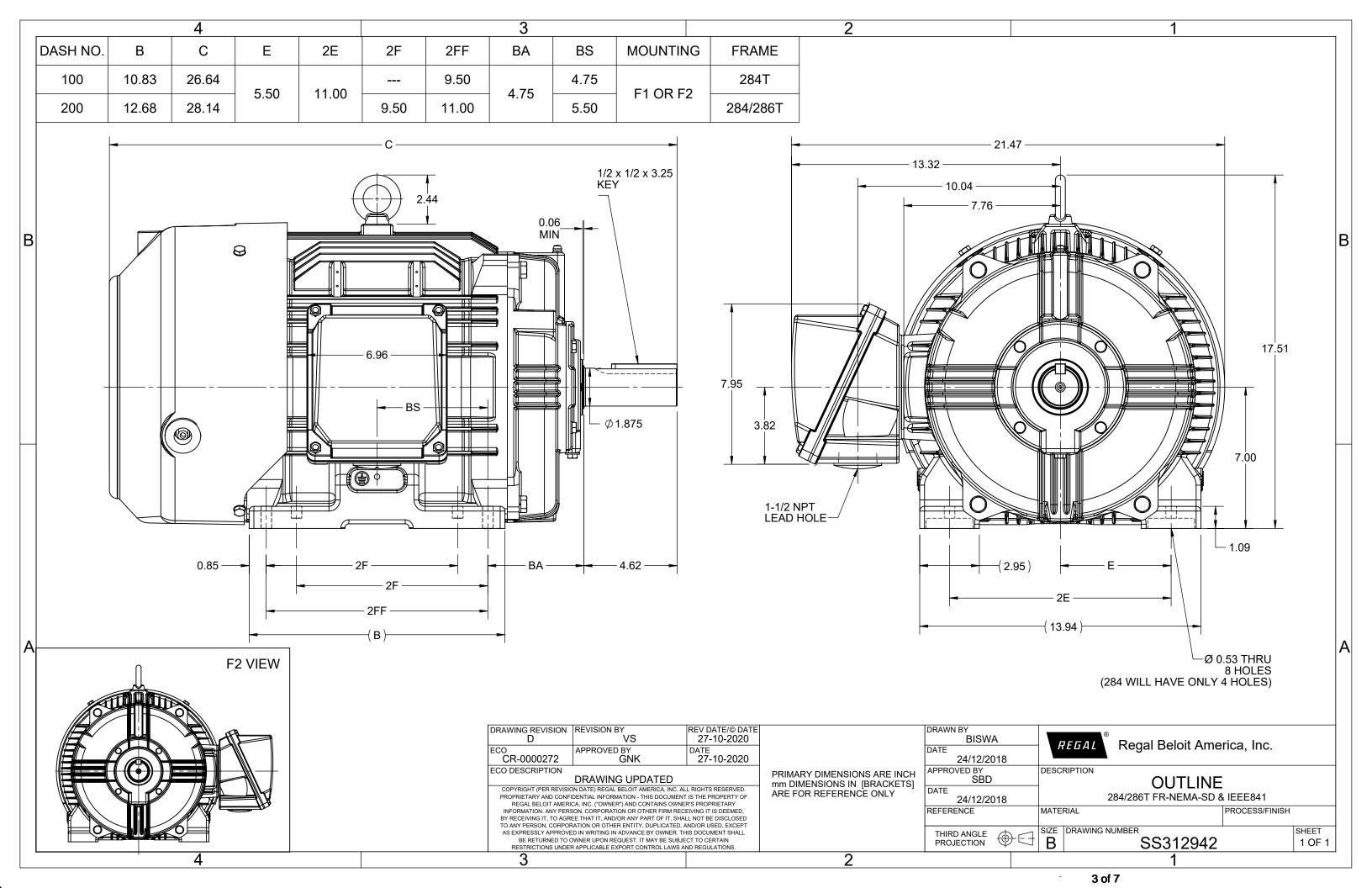
### Nameplate Specifications

Phase	3	Output HP	30 Hp		
Output KW	22.4 kW	Voltage	230/460 V		
Speed	1770 rpm	Service Factor	1.15		
Frame	286T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	93.6 %		
Ambient Temperature	40 °C	Frequency	60 Hz		
Current	71.0/35.5 A	Power Factor	84		
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	Y		
CE	Y	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	4	Rotation	Reversible
Resistance Main	.27 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
Connection Drawing EE7308		Outline Drawing	SS312942-200

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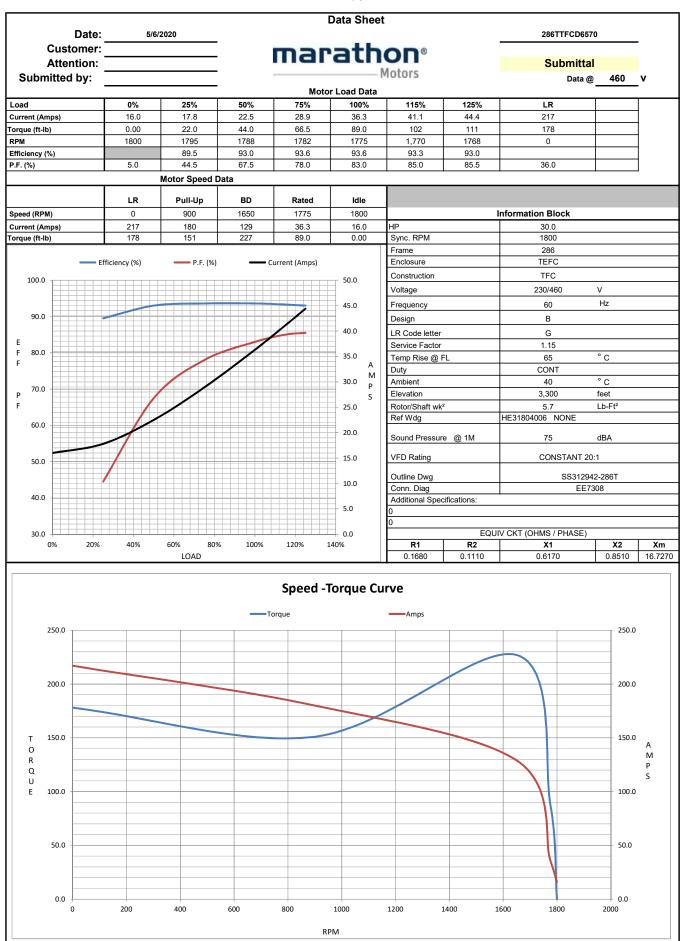
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Motors Data volts: 460												
CERTIFICATION DATA SHEET												
CONN. DI OUTLINE: WINDING		EE7308 SS312942-286T HE31804006	NONE	7				MODEL #: CAT #: MOUNTING:	E491A			
						L MOTOR PERFOR						DESIGN
HP	KW	SYNC RPM	FL RPM			FRAME	ENCLOSURE		TYPE		KVA CODE	
30	22.4	1800	177	5		286T	TEFC		TFC	G		В
<b>РН</b> 3	HZ 60	<b>VOLTS</b> 230/460	AMF 72.5/3		L	START TYPE INE OR INVERTER		DUTY CONT	INSL H	<b>S.F.</b> 1.15	<b>AMB (° C)</b> 40	ELEV. (Ft) 3300
	F.L. EFF	93.6	3/4 LD EFF	93.6		1/2 LD EFF	93.0	GTD EFF			. TYPE	
	F.L. PF	83.0	3/4 LD PF	78.0	1/2 LD PF 67.5 93.0 SQ CAGE INV RATED							
	ORQUE	LR AMPS @	460 V		L.F	R. TORQUE		B.D. TORQUE		F.L. RISE (	°C)	
89.0	89.0 LB-FT 217 178		178	LB-FT 200% 227 I		227 <b>LB-FT</b> 255% 65						
SOUND F	RESSURE	SOUND	ROTOR	WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	ST	ARTS/HOUR	APROX.	MOTOR
75	dBA	84 <b>dBA</b>	5.7	LB-FT <sup>2</sup>	225	LB-FT <sup>2</sup>	20	SEC.		2	529	LB.
	KET TYPE	ODE BRACKET TYPE STANDARD	MOUNT TYPE RIGID	ORIEN	*** S TOR TATION CONTAL	SUPPLEMENTAL INFOR SEVERE DUTY	HAZ. LO	N *** ARDOUS CATION ION 2 T2B	DRIP COVER NO	SCREENS NONE		PAINT E (EPOXY)
BEA DE	RINGS ODE	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL 6311	BALL 6211	POLYREX EM	т			NONE	١	IONE	1045 HC	1045 HOT ROLLED (C-204) CA		ST IRON
	IOSTATS	PROTECTORS	WDG F			BRG RTD's		MISTORS		CONTROL	SPACE	HEATERS
N	ONE	NOT	NO	NONE NONE		NONE			FALSE		NA	
	<b>168</b>	R2 (ohms/ph) 0.111	X1 (ohn 0.61			X2 (ohms/ph) 0.851		ohms/ph) 6.727	VIBR	ATION (in/sec) 0.080		
* N O T					·		If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: NONE					on
E					ENCODER: NONE NONE NONE NONE PPR				PPR			
	PREPARED BY: ANUSHA M DATE: 3/31/2020 FORM: 3531 REV 4 2/27/06							BRAKE: NON FT-LB: VOLTAGE:		NONE NA NONE		HZ:
** Subject	to change wi	thout notice.										

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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: 286TTFCD6570

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

Catalog No : E491A

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