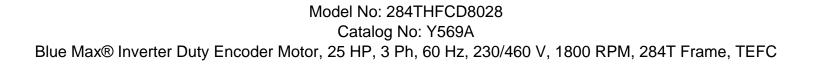
## **PRODUCT INFORMATION PACKET**





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marathon<sup>®</sup>

Motors



Product Information Packet: Model No: 284THFCD8028, Catalog No:Y569A Blue Max® Inverter Duty Encoder Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 284T Frame, TEFC

# marathon®

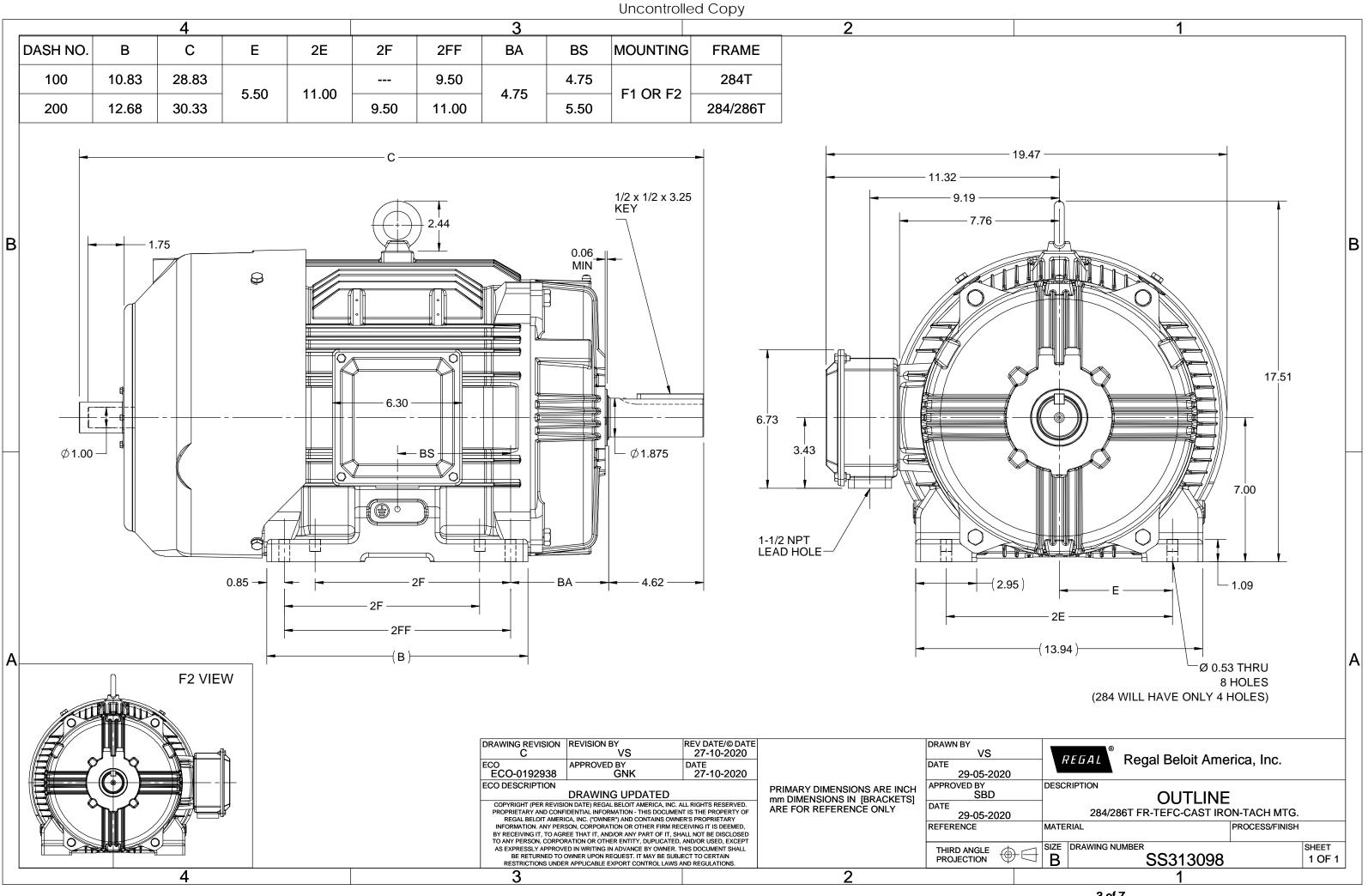
#### Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW			
Frequency	60 Hz	Voltage	230/460 V			
Current	57.0/28.5 A	Speed	1770 rpm			
Service Factor	1	Phase	3			
Efficiency	92.7 %	Power Factor	88.8			
Duty	Continuous	Insulation Class	Н			
Design Code	INV	KVA Code	к			
Frame	284T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	Thermostat	Ambient Temperature	40 °C			
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211			
UL	Recognized	CSA	Y			
CE	Y	IP Code	55			
Number of Speeds	1					

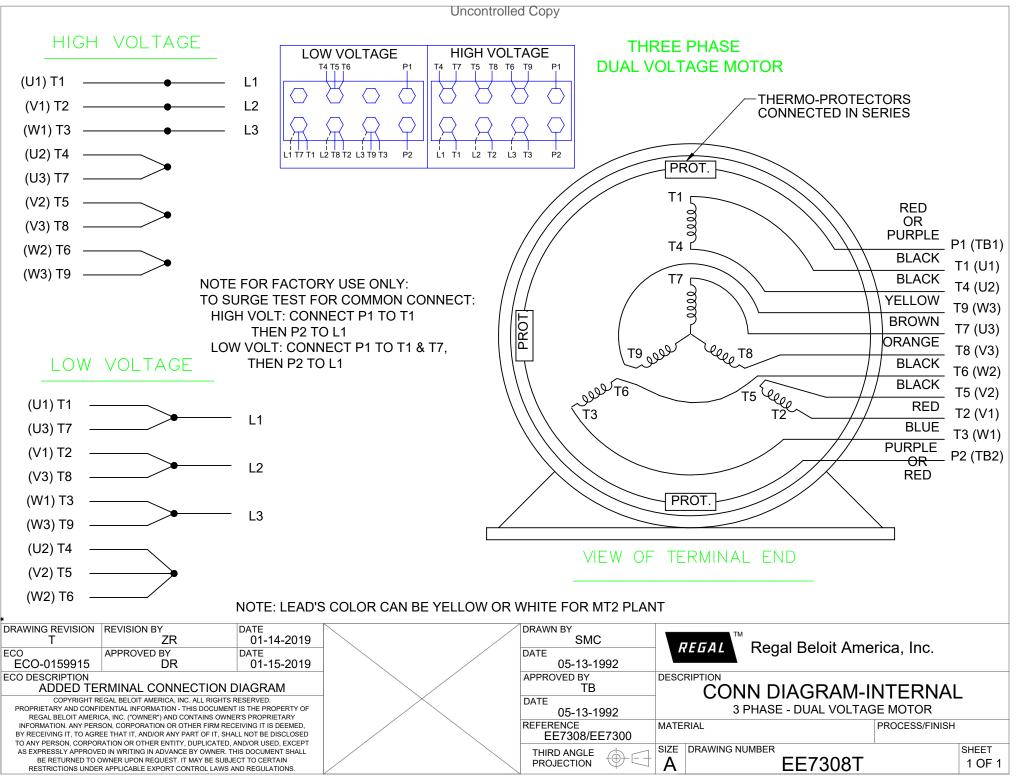
#### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	.393 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 2000:1		
Connection Drawing	EE7308T	Outline Drawing	SS313098-100		

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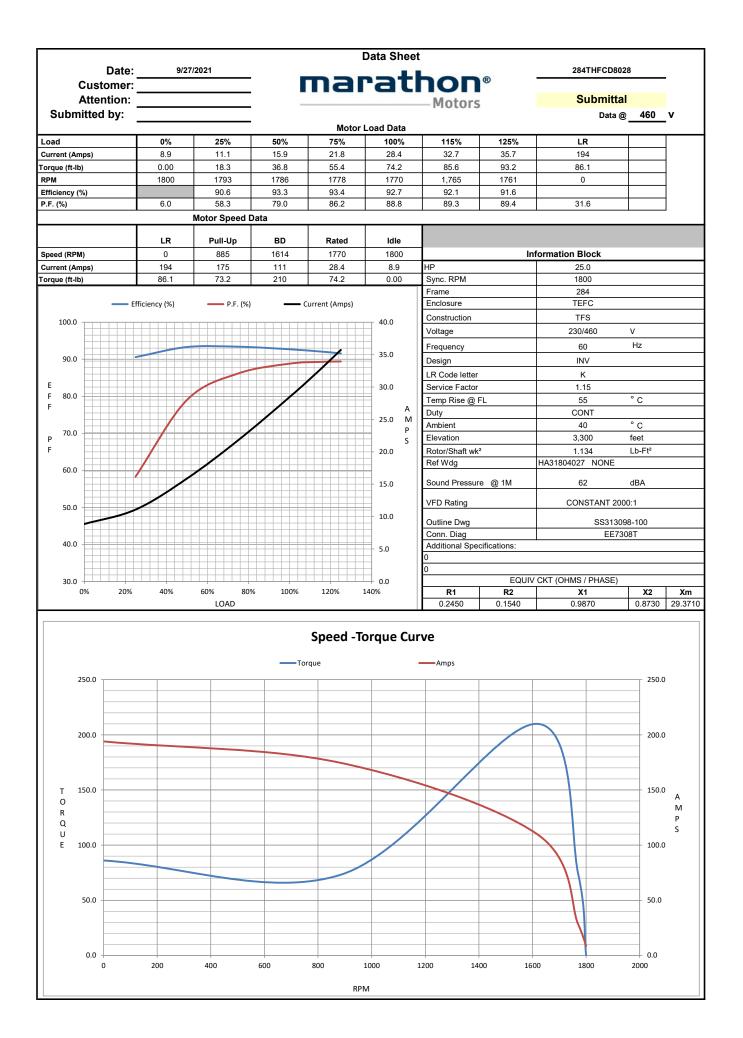


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				ma	ЭГZ	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003			
CERTIFICATION DATA SHEET													
CUSTOMER:			_			CUSTOMER P.O. #:							
		EE7308T				REFERENCE MODEL #: CAT #:		Y569A					
OUTINE:  SS313098-100  CUSTOMER PART #:    WINDING:  HA31804027  NONE  2  MOUNTING:  F1/F2 CAPABLE    SPEED:							ABLE						
					YPICAL	MOTOR PERFORMA							
НР 25	18.7	1800		FL RPM 1770		284T	TEFC		TYPE TFS	KVA CODE		INV	
20	10.7	1000		110		2041			110	K			
PH 3	HZ 60	VOLTS 230/460		MPS //28.5		START TYPE INVERTER ONLY		UTY ONT	INSL H	<b>S.F.</b> 1.15	<b>AMB</b> 40	ELEV. 3300	
	F.L. EFF	92.7	3/4 LD EFF	93.4		1/2 LD EFF	93.3	GTD EFF		ELECT.	ТҮРЕ		
	F.L. PF		3/4 LD PF	86.2		1/2 LD PF	79.0	92.1		SQ CAGE I			
	L. TORQUE LB-FT	LR AMPS @ 194	460 V	86.1	L.R. LB-FT	116%		B.D. TORQUI LB-FT	283%	F.L. RISE (° C) 55			
SOUND	PRESSURE @ 3 FT.	SOUND POWER	ROT	OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
62	dBA	71 <b>dBA</b>	1.134	LB-FT <sup>2</sup>	40	LB-FT <sup>2</sup>	30	SEC.		2	390	LB.	
					*** SU	PPLEMENTAL INFORMA							
	RACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE			LOCATION COVE		DRIP COVER	SCREENS PAINT			
S	TANDARD	ENCODER	RIGID	HORIZO	NTAL	NO	N	ONE	YES	NONE	В	LUE (ENAMEL)	
DE	ODE	GREASE	SHAP	SHAFT TYPE		SPECIAL DE		IAL ODE	SHAFT MATERIAL		FRAME MATERIAL		
BALL 6311	BALL 6211	POLYREX EM		Т	NONE		N	ONE	1045	5 HOT ROLLED (C-204)		CAST IRON	
	THERMOSTATS PROTECTORS			G RTD's BRG RTD's			NISTORS	CONTROL		SPACE HEATERS			
TS	TSTATS (N/C) NOT		N	NONE NONE		NONE FALSE		FALSE	SE NA				
R1 (ohms/ph) 0.245		R2 (ohms/ph) 0.154		<b>hms/ph)</b> .987	X2 (ohms/ph) 0.873			hms/ph) ).371	VIBRATION (in/sec) 0.150		FLOAT ODE		
• • • • • • • • • • • • • • • • • • •						INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED							
E S	S					ENCODER: DYNAPAR HS35							
PREPARED BY:					NONE  NONE    BRAKE: NONE  NONE    NONE  NONE    FT-LB:  NA				<u>PPR</u>				
DATE: 9/27/2021 FORM: 3531 REV_4 2/27/06				FILE  NA    VOLTAGE:  NONE  HZ:    UL:  V-INS, CONST, OVERHEAT PRT DEV UL REC  HZ:									





www.regalbeloit.com

### **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: 284THFCD8028

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

Catalog No : Y569A

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