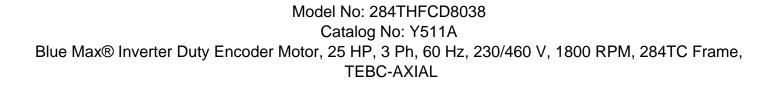
PRODUCT INFORMATION PACKET





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Motors



Product Information Packet: Model No: 284THFCD8038, Catalog No:Y511A Blue Max® Inverter Duty Encoder Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 284TC Frame, TEBC-AXIAL

marathon®

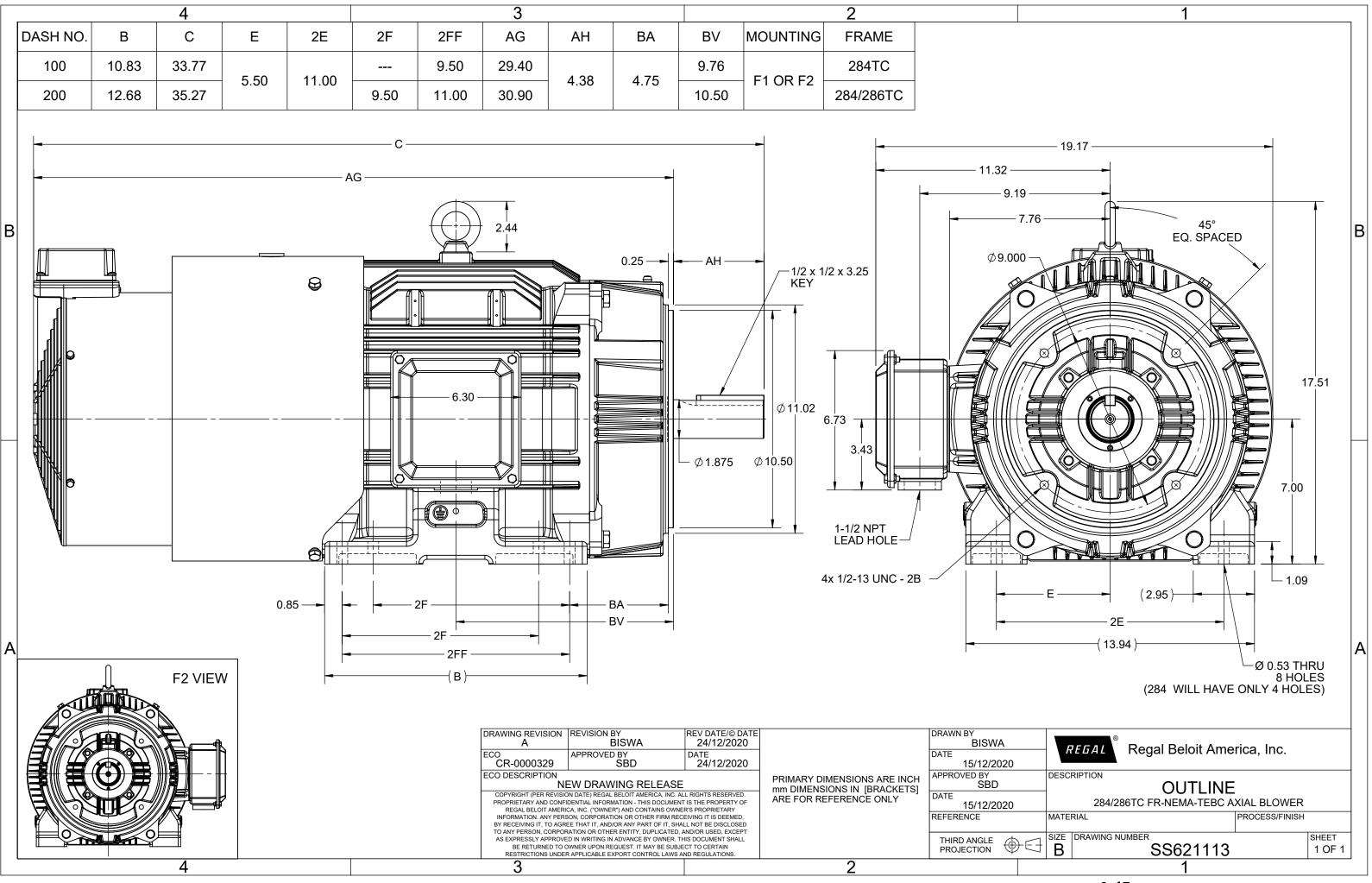
Nameplate Specifications

25 Hp	Output KW	18.7 kW
60 Hz	Voltage	230/460 V
57.0/28.5 A	Speed	1770 rpm
1	Phase	3
92.7 %	Power Factor	88.8
Continuous	Insulation Class	н
INV	KVA Code	К
284TC	Enclosure	Totally Enclosed Blower cooled - Axial
Thermostat	Ambient Temperature	40 °C
6311	Opp Drive End Bearing Size	6211
Recognized	CSA	Y
Y	IP Code	55
1		
	60 Hz 57.0/28.5 A 1 92.7 % Continuous INV 284TC 284TC Thermostat 6311 Recognized	60 HzVoltage57.0/28.5 ASpeed1Phase92.7 %Power FactorContinuousInsulation ClassINVKVA Code284TCEnclosureThermostatAmbient Temperature6311Opp Drive End Bearing SizeRecognizedCSA

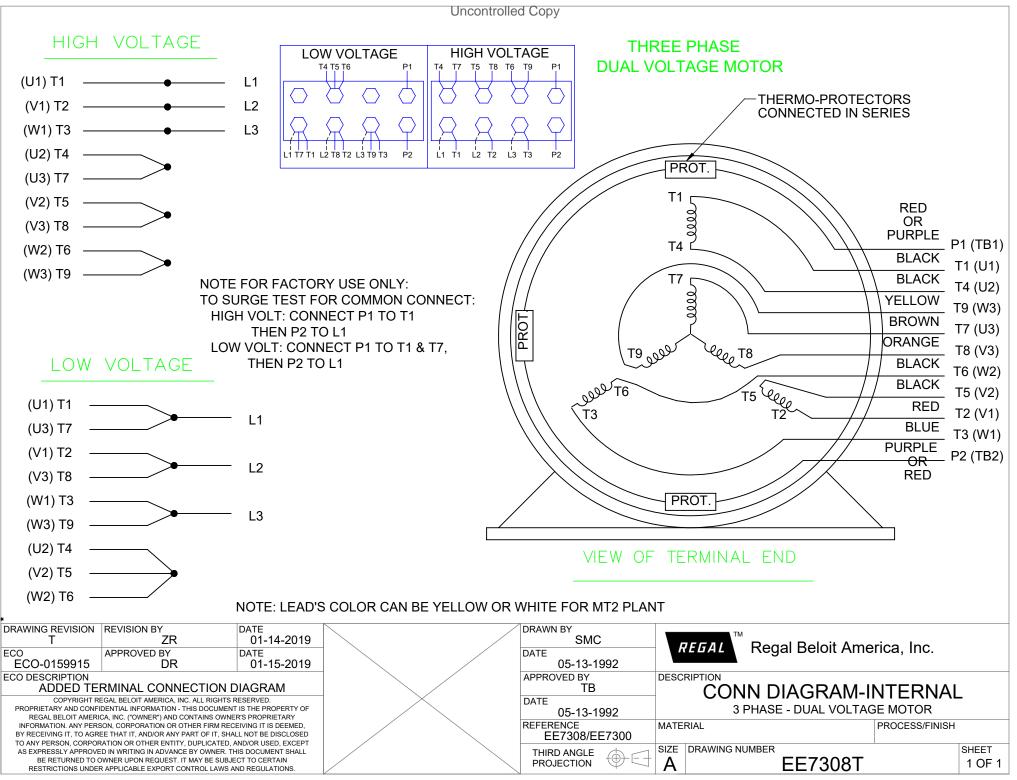
Technical Specifications

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	SS621113-100		

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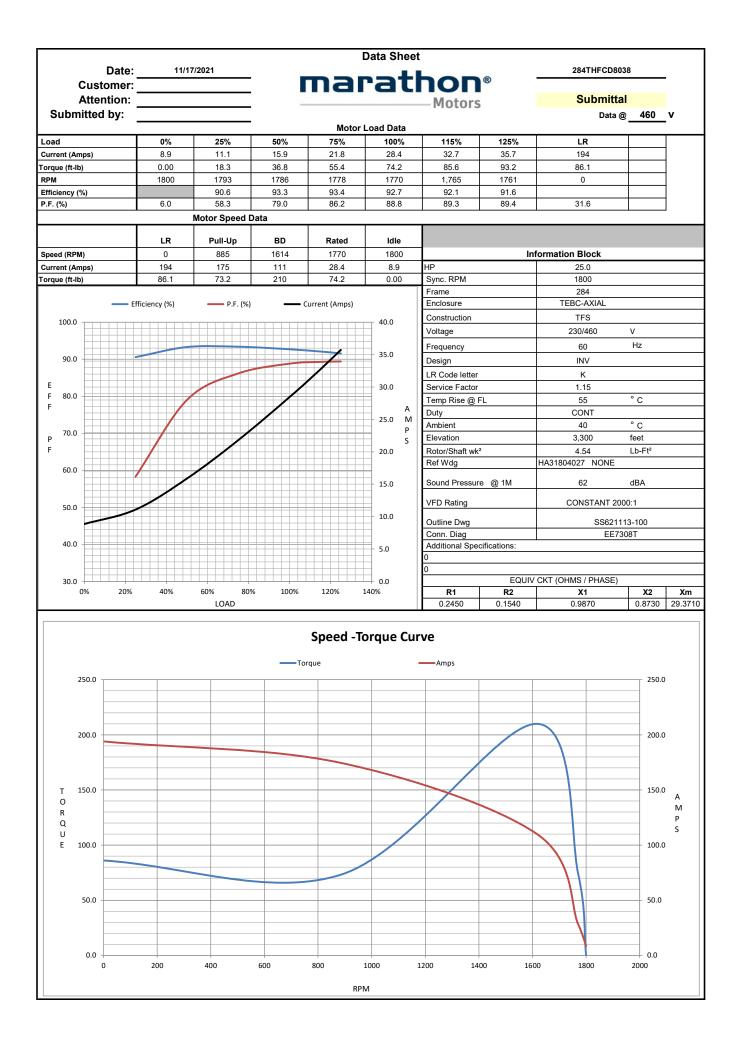


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				ma	ЭГZ	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003		
	CERTIFICATION DATA SHEET											
CUSTOMER:			CUSTOMER									
ORDER # CONN. D OUTLINE	IAGRAM:	EE7308T					REFERENCE MODEL #: CAT #: CUSTOMER PART #:		t: Y511A			
WINDING		SS621113-100 HA31804027	NONE				I	MOUNTING:	F1/F2 CAF	PABLE		
НР	ĸw	SYNC RPM		RPM	YPICAL	MOTOR PERFORMA		ATA	TYPE	KVA CODE		DESIGN
25	18.7	1800		770		284TC		C-AXIAL	TFS	K		INV
PH 3	HZ 60	VOLTS 230/460		MPS /28.5		START TYPE INVERTER ONLY		UTY ONT	INSL H	S.F. 1.15	40	ELEV. 3300
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	93.4 86.2		1/2 LD EFF 1/2 LD PF	93.3 79.0	GTD EFF 92.1		ELECT. SQ CAGE I		
	L. TORQUE LB-FT	LR AMPS @ 194	460 V	86.1	L.R. LB-FT	TORQUE 116%		B.D. TORQUI	E 283%	F.L. RISE (° C)	1	
	PRESSURE @ 3 FT.	SOUND POWER	POT		LB-F1	MAX. LOAD WK ²			20376	STARTS/HOUR	APROX.	MOTOR WGT
62	dBA	71 dBA		LB-FT ²	35	LB-FT ²	36	SEC.		2		LB.
			*		*** SU	PPLEMENTAL INFORMA	TION ***					
DE BI	RACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE			LOC	RDOUS ATION	DRIP COVER SCREENS		PAINT	
	C-FACE	ENCODER	RIGID	HORIZO	NTAL	NO	N	ONE	NO	NONE	В	LUE (ENAMEL)
DE	ODE	GREASE	SHAF	IAFT TYPE SPEC		SPECIAL DE	SPEC	IAL ODE	SHA	AFT MATERIAL	FRAME MATERIAL	
BALL 6311	BALL 6211	POLYREX EM		т	NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
	THERMOSTATS PROTECTORS WDG RTD's			BRG RTD's			MISTORS	CONTROL		SPACE HEATERS		
TS	STATS (N/C)	NOT	N	ONE		NONE	N	ONE		FALSE		NA
R1 (ohms/ph) 0.245		R2 (ohms/ph) 0.154		hms/ph) .987	X2 (ohms/ph) 0.873			hms/ph) 0.371	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: NORTHSTAR ST56 NONE NONE PPR				DDD		
PREPARED BY:					BRAKE: NONE NONE NONE FT-LB: NA							
FORM: 3	FORM: 3531 REV_4 2/27/06					VOLTAGE: NONE HZ: UL: V-INS, CONST, OVERHEAT PRT DEV UL REC HZ: 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: 284THFCD8038

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

Catalog No : Y511A

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