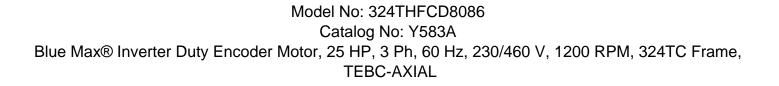
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 324THFCD8086, Catalog No:Y583A Blue Max® Inverter Duty Encoder Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 324TC Frame, TEBC-AXIAL

marathon®

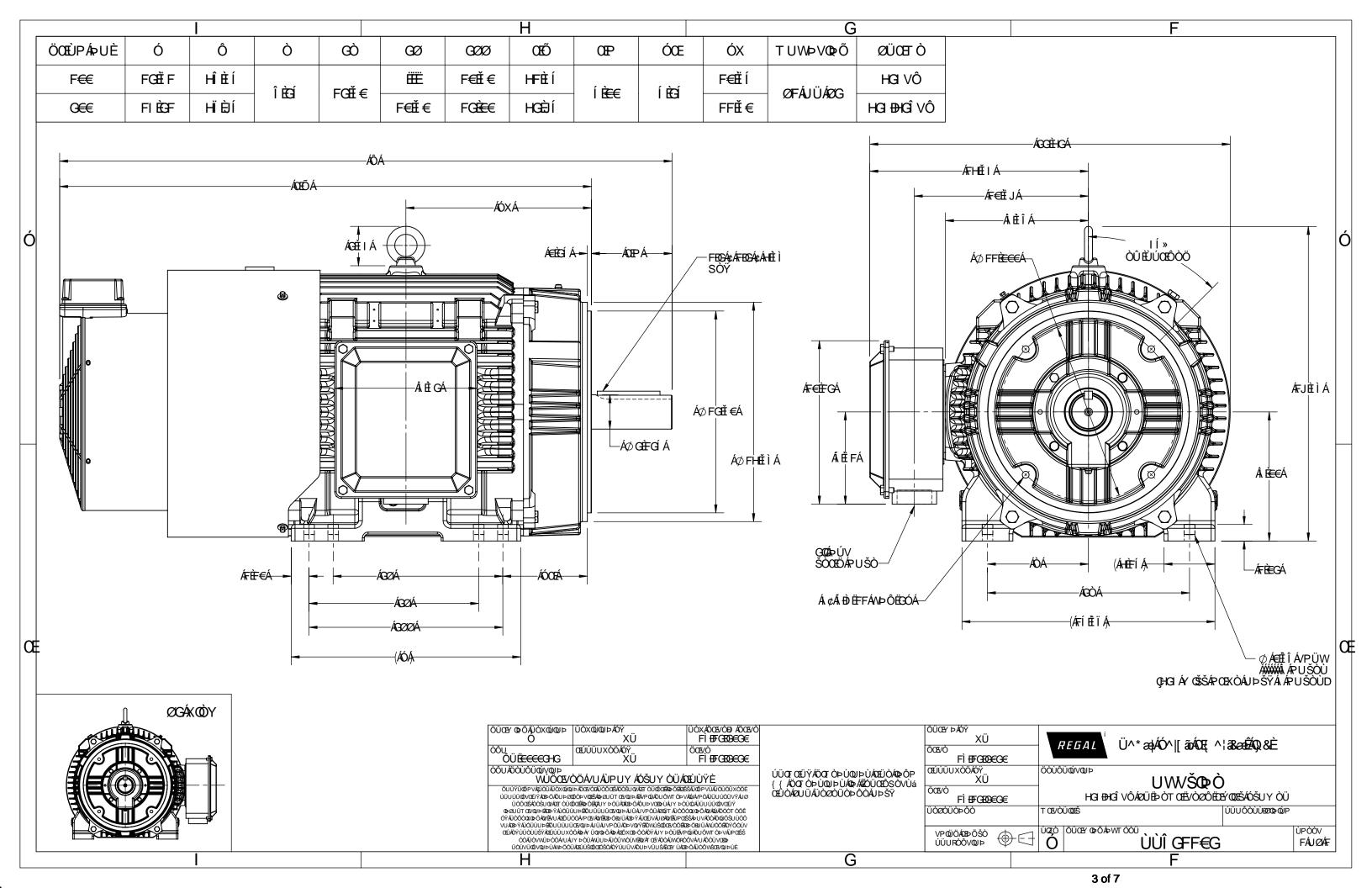
Nameplate Specifications

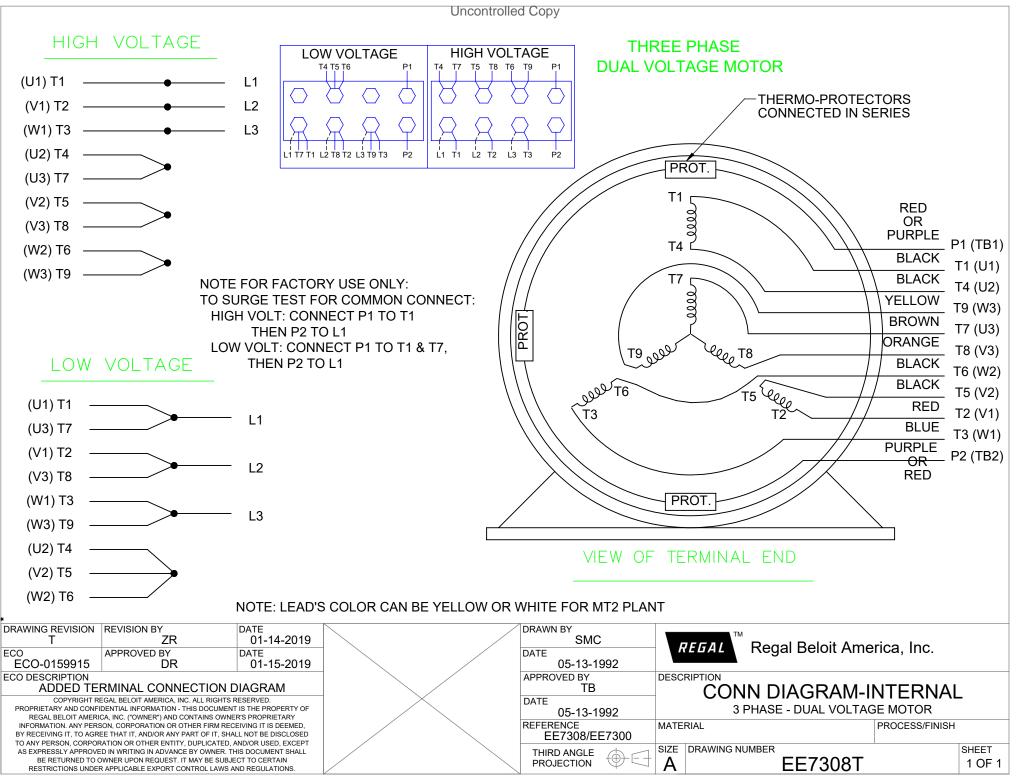
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	61.0/30.5 A	Speed	1180 rpm
Service Factor	1	Phase	3
Efficiency	92.4 %	Power Factor	83
Duty	Continuous	Insulation Class	н
Design Code	INV	KVA Code	н
Frame	324TC	Enclosure	Totally Enclosed Blower cooled - Axial
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212
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	6	Rotation	Reversible
Resistance Main	.402 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	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1
Connection Drawing	EE7308T	Outline Drawing	SS621102-100

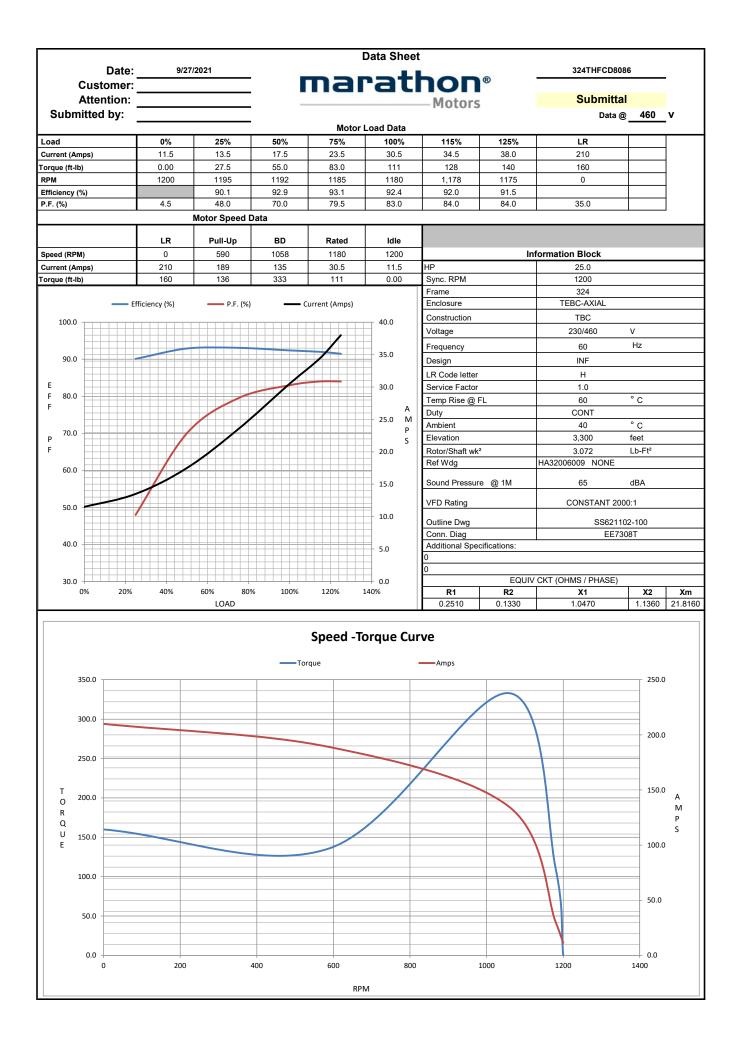
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				ma	ara	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003			
					CE	RTIFICATION DATA S	HEET						
CUSTOMER:				CUSTOMER P.O. #: REFERENCE MODEL #:									
ORDER #: CONN. DIAGRAM: OUTLINE:		EE7308T SS621102-100			ĸ	CAT #: CUSTOMER PART #:		: Y583A					
WINDING: HA32006009 NONE 2 MOUNTING: F1/F2 CAPABLE SPEED:													
HP	ĸw	SYNC RPM	FL RPM		TPICAL	FRAME ENCLOSURE			TYPE	PE KVA CODE		DESIGN	
25	18.7	1200	1	180	324TC		TEBC-AXIAL TE		TBC	н		INF	
РН 3	HZ 60	VOLTS 230/460		MPS /30.5		START TYPE INVERTER ONLY		UTY ONT	INSL H	S.F. 1.15	AMB 40	ELEV. 3300	
		F.L. EFF 92.4 3/4 LD EFF 93.1		93.1 79.5		1/2 LD EFF 1/2 LD PF	92.9 70.0	GTD EFF 91.7		ELECT. TYPE SQ CAGE INV DUTY			
F .	L. TORQUE LB-FT	LR AMPS @ 460 V		160	L.R.	L.R. TORQUE B.D. TOR		B.D. TORQUI LB-FT	1		1		
SOUND PRESSURE @ 3 FT.		SOUND POWER ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME				APROX.	MOTOR WGT		
65	dBA	74 dBA		LB-FT ²	80	LB-FT ²	35	SEC.		2		LB.	
					*** SL	PPLEMENTAL INFORMA							
DE BRACKET TYPE C-FACE		ODE BRACKET TYPE ENCODER	MOUNT TYPE RIGID	MOTOR ORIE			HAZARDOUS DRIP LOCATION COVER NONE NO		SCREENS	PAINT BLUE (ENAMEL)			
E				FT TYPE SPECIAL DE									
DE BALL 6312	ODE BALL 6212	POLYREX EM	-	т		NONE	-	ONE	SHAFT MATERIAL 1045 HOT ROLLED (C-204)		CAST IRON		
								 		SPACE HEATERS			
THERMOSTATS TSTATS (N/C)		NOT		ONE	BRG RTD'S NONE		THERMISTORS NONE			FALSE		NA	
R1 (ohms/ph) 0.251		R2 (ohms/ph) 0.133		hms/ph) .047	X2 (ohms/ph) 1.136			hms/ph) .816	VIBRATION (in/sec) 0.150		FLOAT ODE		
• • • • • • • • • • • • • • • • • • •							INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED						
E S	E S						ENCODER: NONE NONE NONE NONE NONE NONE NONE NONE				PPR		
PREPARED BY: DATE: 9/27/2021						BRAKE: NONE NONE NONE FT-LB: NA							
FORM: 3531 REV_4 2/27/06					VOLTAGE: NONE HZ: UL: V-INS, CONST, OVERHEAT PRT DEV UL REC HZ: HZ:								





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: 324THFCD8086

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

Catalog No : Y583A

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