PRODUCT INFORMATION PACKET



Model No: 324THFCD8028 Catalog No: Y571A

Blue Max® Inverter Duty Encoder Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 324T Frame, TEFC



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Product Information Packet: Model No: 324THFCD8028, Catalog No:Y571A Blue Max® Inverter Duty Encoder Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 324T Frame, TEFC



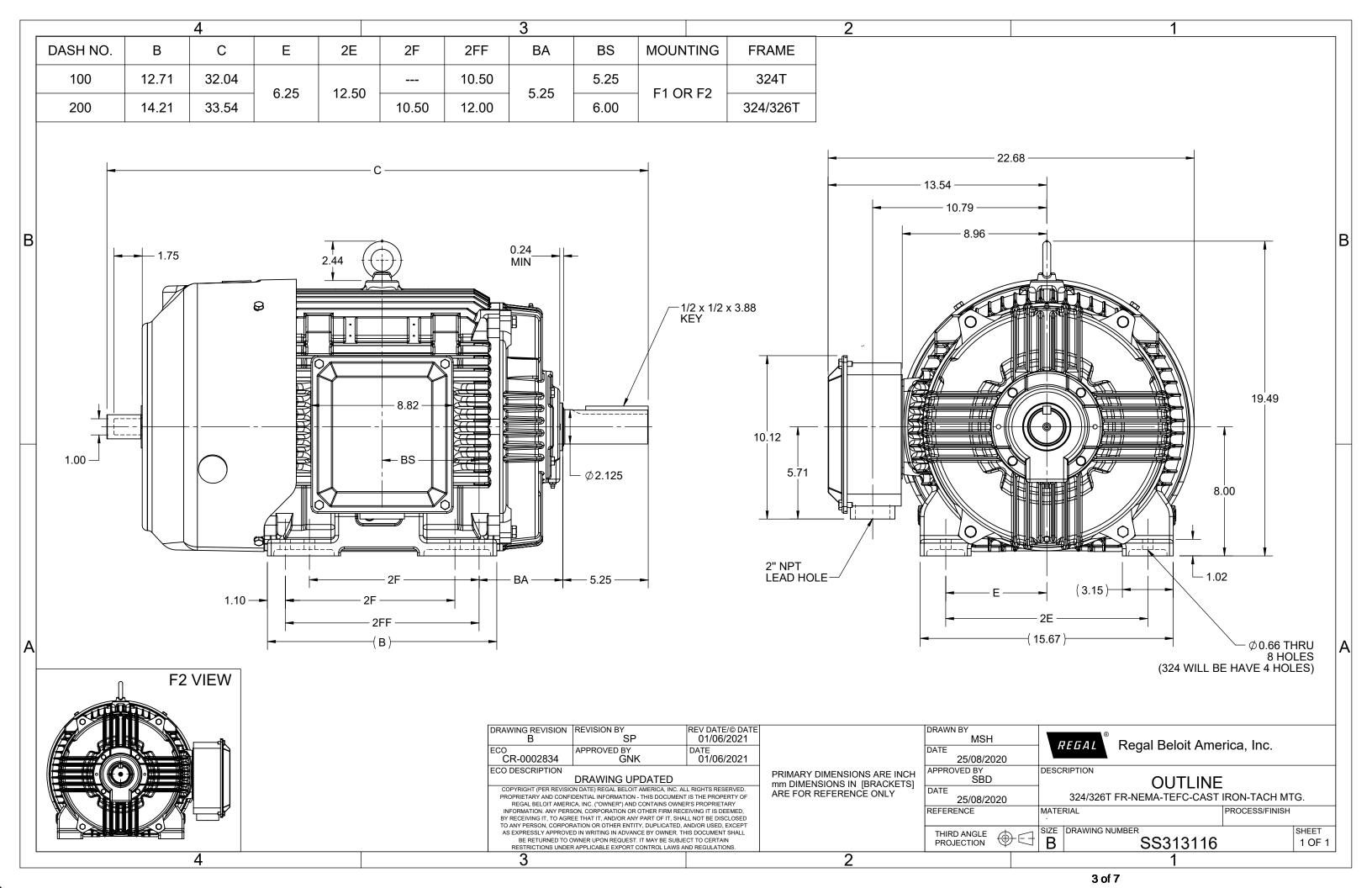
Nameplate Specifications

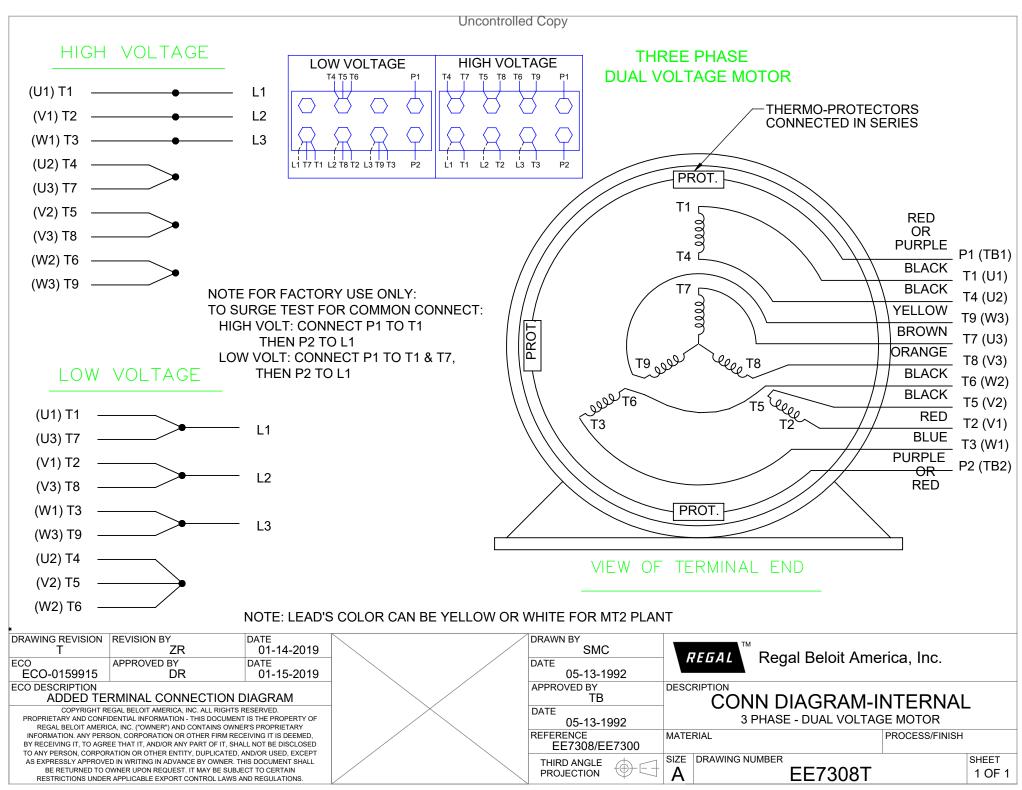
Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	89.0/44.5 A	Speed	1775 rpm
Service Factor	1	Phase	3
Efficiency	92.4 %	Power Factor	89.5
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	Н
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1		
·		<u> </u>	

Technical Specifications

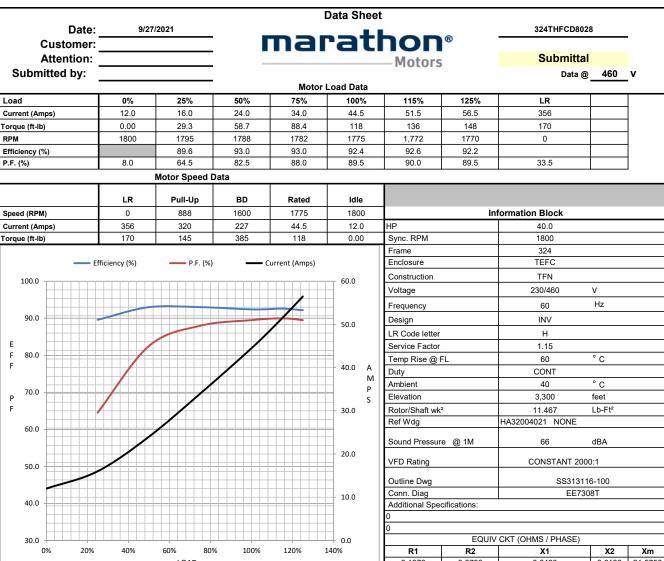
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	.2192 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	Т	Shaft Diameter	2.125 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1		
Outline Drawing	SS313116-100	Connection Drawing	EE7308T		

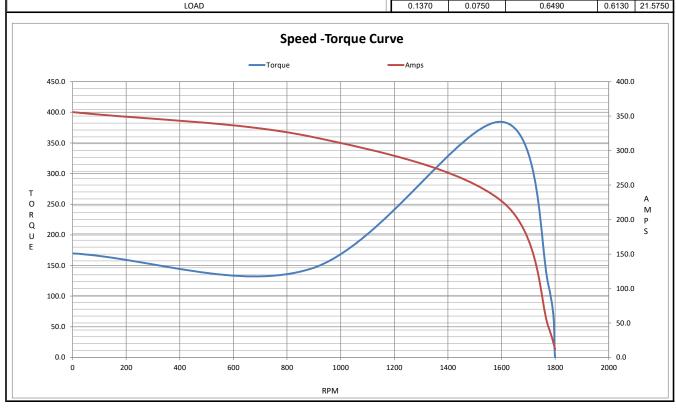
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7222					P.O. BOX 8003							
manathon					WAUSAU, WI 54401-8003							
marathon [®]						PH. 715-675-3311						
						Motors		DAT	A VOLTS:	460		
								DAI	A VOLIS.	400		
	CERTIFICATION DATA SHEET											
сиѕтом	CUSTOMER:			CUST	OMER P.O. #:							
ORDER #:						REFERENCE MODEL #: 324THFC						
CONN. D		EE7308T					CAT #: CUSTOMER PART #:					
OUTLINE		SS313116-100 HA32004021	NONE	2			CUSTO	MOUNTING:	E1/E2 CAD	ADI E		
SPEED:	•	11432004021	NONE	2				MICCINTING.	FI/FZ GAF	ADLL		
		-		T	YPICAL	MOTOR PERFORMA	NCE D	ATA				
	1011	SYNC RPM		RPM		FRAME				DESIGN		
HP	KW	SYNC RPM	FL	RPM		FRAME	ENC	LUSURE	TYPE	KVA CODE		DESIGN
40	30	1800	1	775		324T	TEFC		TFN	н		INV
PH	HZ	VOLTS	Al	MPS		START TYPE		DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	89	/44.5		INVERTER ONLY		CONT	Н	1.15	40	3300
		I and I							1			
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	93.0 88.0		1/2 LD EFF 1/2 LD PF	93.0 82.5	91.7		ELECT. SQ CAGE		
	1.2.11	05.5	3/4 ED 11	00.0		1/2 LD11	02.0	31.7		OQ OAOL	IIV DOTT	
F.I	TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TORQUE		F.L. RISE (° C))	
118	LB-FT	356		170 I	LB-FT	144%	385	LB-FT	326%	60		
COLIND	PRESSURE @ 3								1		_	
SOUND	FT.	SOUND POWER	ROTO	OR WK²		MAX. LOAD WK ²	SAFE STALL TIN			STARTS/HOUR		MOTOR WGT
66	dBA	75 dBA	11.467	LB-FT ²	50	LB-FT ²	25	SEC.		2	610	LB.
			,									
			MOUNT		*** SL	PPLEMENTAL INFORM		* ARDOUS	DRIP			
DE BE	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	NOITATION	SEVERE DUTY		CATION	COVER	SCREENS		PAINT
S	TANDARD	ENCODER	RIGID	HORIZON				NONE	YES NONE		BLUE (ENAMEL)	
DE	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL			_								
6312	6212	POLYREX EM		T		NONE	NONE 1045 HOT ROLLED (C-204)			CAST IRON		
	RMOSTATS	PROTECTORS	WDC	RTD's		DDC DTD'-		RMISTORS		CONTROL	SPAC	E HEATERS
	TATS (N/C)	NOT		ONE	s BRG RTD's NONE			NONE	FALSE			NA
R1	(ohms/ph)	R2 (ohms/ph)		hms/ph)				ohms/ph)	VIBRATION (in/sec)		FLOAT	
	0.137 0.075 0.649		.649	0.613		2	1.575	0.150		ODE		
*												
N							INVERTER TORQUE: CONSTANT 2000:1					
0						INV. HP SPEED RANGE: 1.5 X BASE SPEED						
T T							NONE					
E S							ENCODER: NONE NONE					
5						NONE NONE PPR				PPR		
					BRAKE: NONE							
1	PREPARED BY:					NONE NONE						
1	DATE: 9/27/2021					FT-LB: NA VOLTAGE: NONE HZ:						
FORM: 3531 REV 4 2/27/06				VOLTAGE: NONE HZ: UL: V-INS, CONST, OVERHEAT PRT DEV UL REC								
. 0							, JL.	, 20140	,			







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: 324THFCD8028

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

Catalog No: Y571A

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 Logodon

Michael A. Logsdon

Vice President, Technology

Julian Clark

Marketing Engineer

Created on 09/01/2022

C€ 22

Authorized Representative in the Community: