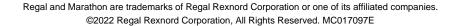
PRODUCT INFORMATION PACKET



Model No: 286THFCD8028 Catalog No: Y570A

Blue Max® Inverter Duty Encoder Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286T Frame, TEFC







Product Information Packet: Model No: 286THFCD8028, Catalog No:Y570A Blue Max® Inverter Duty Encoder Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286T Frame, TEFC



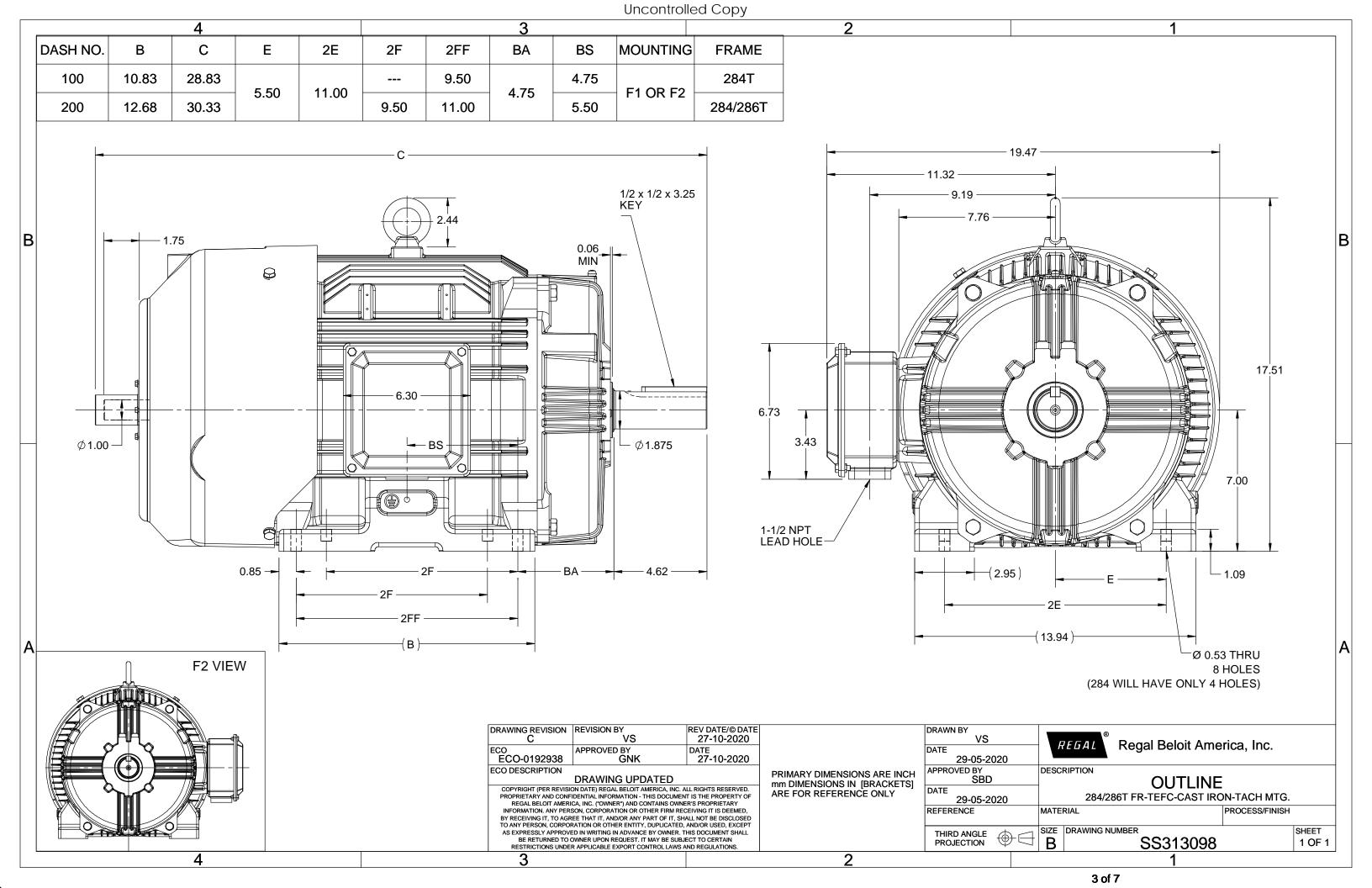
Nameplate Specifications

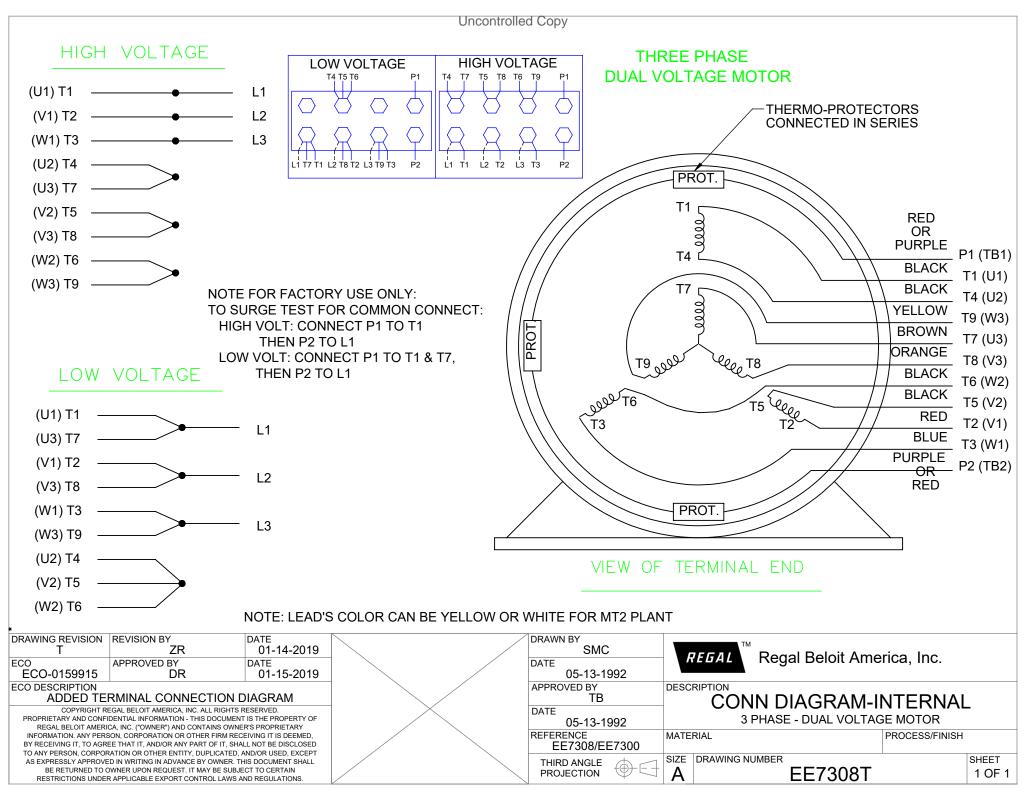
Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	70.5/35.5 A	Speed	1776 rpm
Service Factor	1	Phase	3
Efficiency	93.6 %	Power Factor	85
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	К
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1		
		·	<u> </u>

Technical Specifications

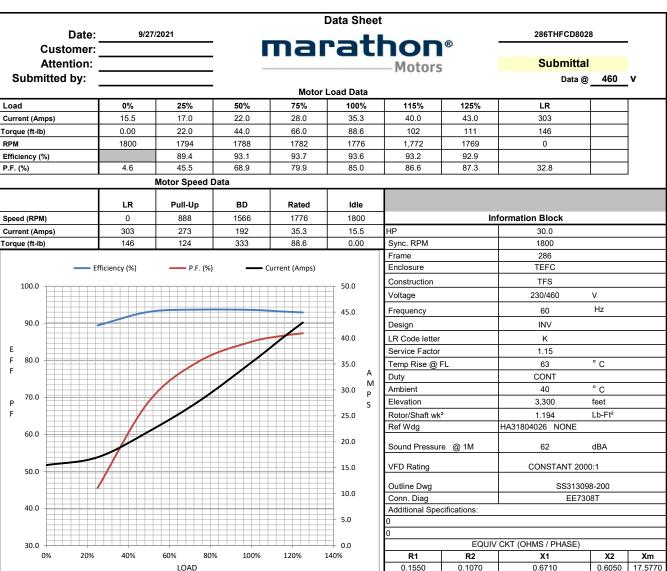
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	.248 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	Т	Shaft Diameter	1.875 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1		
Connection Drawing EE7308T		Outline Drawing	SS313098-200		

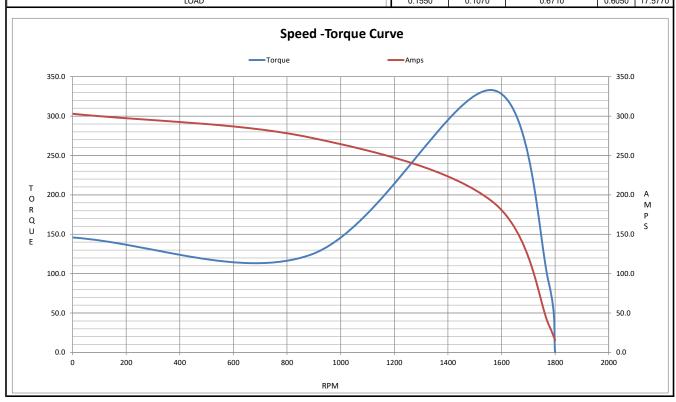
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ALC:					P.O. BOX 8003							
marathon∘					WAUSAU, WI 54401-8003 PH. 715-675-3311							
	maratnon							PH. 715-6	75-3311			
						Motors		DAT	A VOLTS:	460		
								DAI	A VOLIO.	400		
					CE	RTIFICATION DATA S	HEET					
сиѕтом	IER:						CUSTO	MER P.O. #:				
	ORDER #:					R	EFERENC	E MODEL #:	286THFCE			
CONN. D		EE7308T					CAT #: CUSTOMER PART #:					
OUTLINE: SS313098-200 WINDING: HA31804026 NONE		2			F1/F2 CAPABLE							
SPEED:		11/10/1004020	NONE	-				moon no.	1 1/1 Z OAI	ADEL		
		-		T.	YPICAL	MOTOR PERFORMA	NCE D	ATA				
НР	кw	SYNC RPM	FI	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
30	22.4	1800	1	776		286T	1	EFC	TFS	К		INV
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	70.	5/35.5		INVERTER ONLY	C	ONT	Н	1.15	40	3300
\vdash	F.L. EFF	93.6	3/4 LD EFF	93.7		1/2 LD EFF	93.1	GTD EFF		ELECT	TYPE	
	F.L. PF		3/4 LD PF	79.9		1/2 LD PF	68.9	93.0		SQ CAGE		
	L. TORQUE	LR AMPS @	460 V			TORQUE	B.D. TORQUE)	
88.6	LB-FT	303		146	LB-FT	165%	333	LB-FT	376%	63		
SOUND	PRESSURE @ 3										T	
000.12	FT.	SOUND POWER	ROTO	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT
62	dBA	71 dBA	1.194	LB-FT ²	45 LB-FT ²		20	SEC.	2		450	LB.
			•		*** 01	DDI EMENTAL INCODIA	TION ***					
			MOUNT		St	PPLEMENTAL INFORMA		ARDOUS	DRIP	I	1	
DE B	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	ENTATION SEVERE DUTY			CATION	COVER SCREENS		PAINT	
S	TANDARD	ENCODER	RIGID	HORIZON	NTAL NO		N	IONE	YES NONE		BLUE (ENAMEL)	
<u> </u>	FADINGS	1							1			
DE	BEARINGS GREASE S		SHAF	T TYPE SPECIAL DE		SPECIAL ODE SI		SHA	SHAFT MATERIAL		FRAME MATERIAL	
BALL				T NONE		NONE		1045	1045 HOT ROLLED (C-204)		CAST IRON	
6311	6211	FOLTREXEM		'		NONE	NONE 1043 HOT ROLLED (C-204)				CASTIKON	
				-							1	
THERMOSTATS PROTECTORS		PROTECTORS	wng	WDG RTD's BRG RTD's		THERMISTORS			CONTROL		E HEATERS	
	STATS (N/C)	NOT		ONE NONE			IONE	FALSE			NA	
R1	1 (ohms/ph)	R2 (ohms/ph)		nms/ph) X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		FLOAT		
-	0.155	0.107	0	671		0.605	1	7.577		0.150		ODE
*												
N							INVERTER TORQUE: CONSTANT 2000:1					
0							INV. HP SPEED RANGE: 2.0 X BASE SPEED					
т												
E							ENCODER: NONE					
S					NONE NONE PPR					DDD		
-					BRAKE: NONE					TTIN		
1	PREPARED BY:				NONE NONE							
1	DATE: 9/27/2021				FT-LB: NA							
l					VOLTAGE: NONE HZ:							
FORM: 3	FORM: 3531 REV_4 2/27/06					UL: V-INS, CONST, OVERHEAT PRT DEV UL REC						







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: 286THFCD8028

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

Catalog No: Y570A

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer