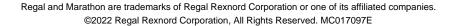
PRODUCT INFORMATION PACKET



Model No: 213THFCD8028 Catalog No: Y595A

Blue Max® Inverter Duty Encoder Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 213TC Frame, TEFC







Product Information Packet: Model No: 213THFCD8028, Catalog No:Y595A Blue Max® Inverter Duty Encoder Motor, 7.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 213TC Frame, TEFC



Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW 230/460 V			
Frequency	60 Hz	Voltage				
Current	19.0/9.5 A	Speed	1770 rpm			
Service Factor	1	Phase	3			
Efficiency	90.6 %	Power Factor	80.5			
Duty	Continuous	Insulation Class	Н			
Design Code	INV	KVA Code	L			
Frame	213TC	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	Thermostat	Ambient Temperature	40 °C			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208			
UL	Recognized	CSA	Υ			
CE	Υ	IP Code	55			
Number of Speeds	1					

Technical Specifications

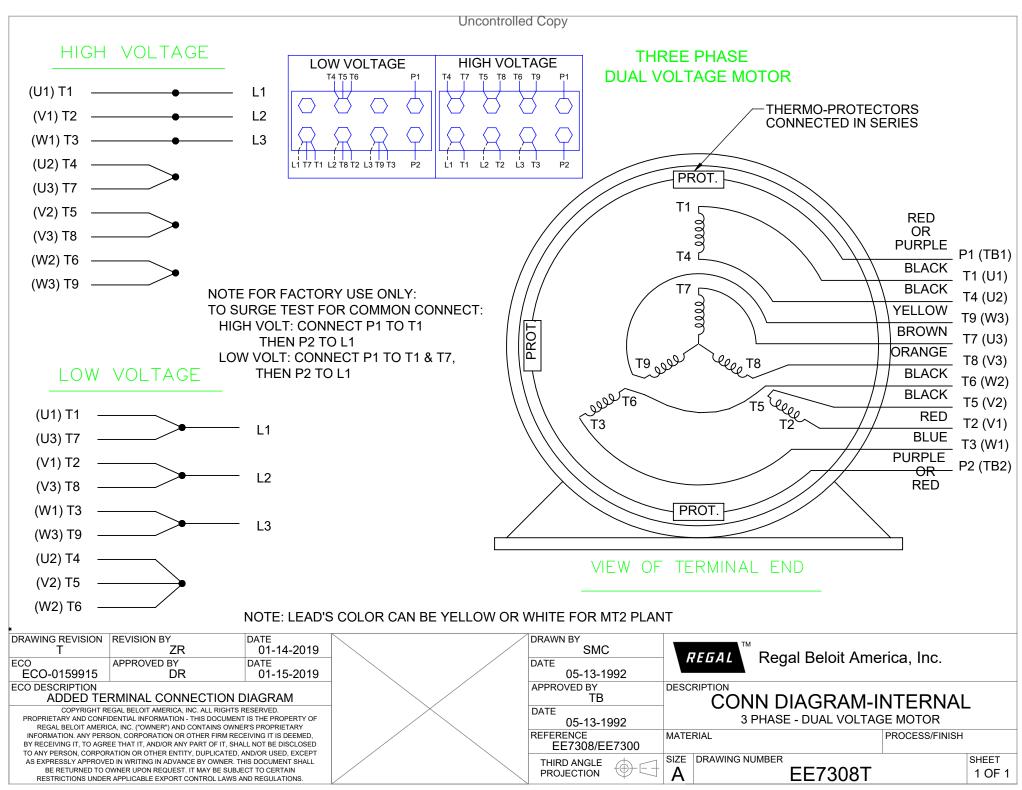
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	1.1352 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	Т	Shaft Diameter	1.375 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1		
Connection Drawing	EE7308T	Outline Drawing	SS810151-100		

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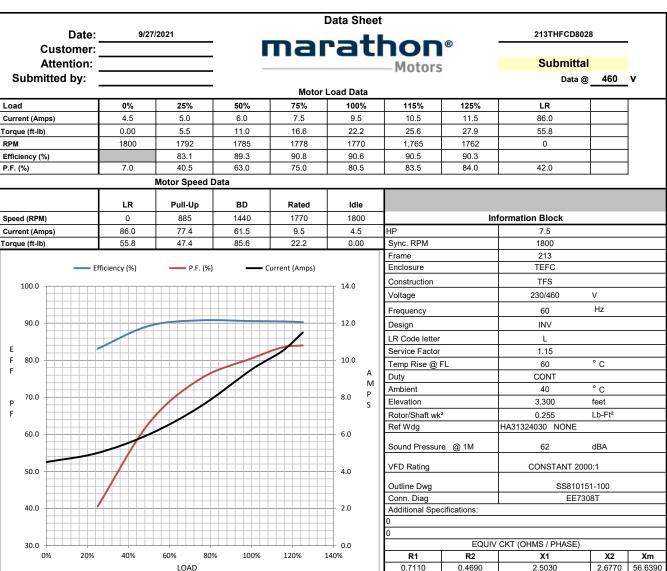
Uncontrolled Copy 3 4 DASH NO. C Ε 2F 2FF AG MOUNTING **FRAME** 2E AHBA BV 100 21.47 5.50 18.34 213TC 6.76 7.26 4.25 8.50 3.12 4.25 F1 OR F2 200 8.26 22.97 7.00 19.84 8.00 213/215TC 5.50 - 14.37 - 8.40 -6.82 -5.83 -5/16 x 5/16 x 2.38 EQ. SPACED 0.25 - ϕ 7.250 KEY **→** 1.75 **►** 12.73 Ø8.98 4.97 Ø8.50 4.65 2.48 └ Ø1.375 \emptyset 1.00 -5.25 1" NPT LEAD HOLE-(⊕ 4x 1/2-13 UNC -2B-0.56 0.63 BA BV (10.04) F2 VIEW Ø 0.41 THRU 8 HOLES (213 WILL HAVE ONLY 4 HOLES) (B) DRAWING REVISION BY B REV DATE/© DATE 28-09-2020 DRAWN BY ์งร VS Regal Beloit America, Inc. REGAL ECO-0192056 APPROVED BY RMS DATE 28-09-2020 11-06-2020 ECO DESCRIPTION APPROVED BY SBD PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] DRAWING UPDATED

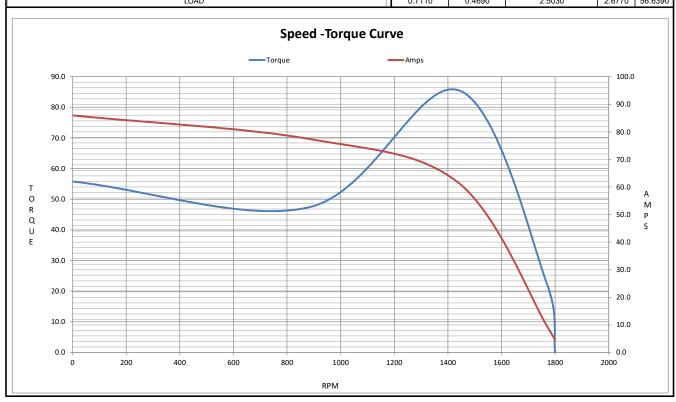
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					P.O. BOX 8003							
					WAUSAU, WI 54401-8003							
marathon®						PH. 715-675-3311						
						Motors						
						1-101013		DAT	A VOLTS:	460		
	CERTIFICATION DATA SHEET											
CUSTOM	CUSTOMER:						CUSTO	MER P.O. #:				
ORDER #			P			REFERENCE MODEL #:						
CONN. DIAGRAM:		EE7308T	E7308T					CAT #:				
OUTLINE		SS810151-100					CUSTOMER PART #:					
WINDING	:	HA31324030	NONE	2				MOUNTING:	F1/F2 CAP	ABLE		
SPEED:				TY	/PICAL	. MOTOR PERFORMA	NCE DA	λTA				
	1011	OVALO DELL							TVDE	17/4 00DF		BEOLON
HP	KW	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
7.5	5.6	1800	1	770		213TC	Т	EFC	TFS	L		INV
1												
PH	HZ	VOLTS	A	MPS		START TYPE	D	UTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	1	9/9.5		INVERTER ONLY	С	ONT	Н	1.15	40	3300
	•											
	F.L. EFF		3/4 LD EFF	90.8		1/2 LD EFF	89.3	GTD EFF		ELECT.		
	F.L. PF	80.5	3/4 LD PF	75.0		1/2 LD PF	63.0	89.9		SQ CAGE I	NV DUTY	
F	TORQUE	LR AMPS @	400.1/			TORQUE		B.D. TORQU	-	FL DISE (° C)		
	LB-FT	86.0	400 V	55.8 L	B-FT	251%		LB-FT	JE F.L. RISE (° C) 386% 60			
		00.0		00.0 L		20170	00.0		00070			
SOUND	PRESSURE @ 3											
	FT. SOUND POWER ROTOR WK ²			MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT	
62	dBA	71 dBA	0.255	LB-FT ²	20	LB-FT ²	30	SEC.		2	180	LB.
					*** 91	IPPLEMENTAL INFORMA	TION ***					
			MOUNT		- 30			RDOUS	DRIP			
DE BE	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	ENTATION SEVERE DUTY		LOCATION		COVER SCREENS		PAINT	
	C-FACE	ENCODER	RIGID	HORIZONT	ONTAL NO		NONE		YES NONE		BLUE (ENAMEL)	
DE	ODE	GREASE	SHAF	T TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL				-				+		+	
6309	6208	POLYREX EM		Т		NONE	NONE			1045 HOT ROLLED (C-204)		CAST IRON
				<u>'</u>								
											SPAC	E HEATERS
	RMOSTATS	PROTECTORS		G RTD's BRG RTD's		THERMISTORS		CONTROL				
TS	TATS (N/C)	NOT	N	NONE NONE		NONE		FALSE			NA	
R1 (ohms/ph) R2 (ohms/ph)		X1 /o	ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
- KI	0.711	0.469		503 2.677			6.639	0.150		ODE		
									•			
*												
N							INVERTER TORQUE: CONSTANT 2000:1					
O T						INV. HP SPEED RANGE: 2.0 X BASE SPEED						
E E							ENCODER: DYNAPAR					
S S						HS35	DINAFAR					
S .					NONE NONE PPR				PPR			
				BRAKE: NONE								
PREPARED BY:				NONE NONE								
1	DATE: 9/27/2021					FT-LB: NA						
1					[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: 213THFCD8028

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

Catalog No: Y595A

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:

J. Clus

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

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Created on 09/01/2022

Julian Clark Marketing Engineer

C € 22