PRODUCT INFORMATION PACKET



Model No: 254THFCD8038 Catalog No: Y597A

Blue Max® Inverter Duty Encoder Motor, 15 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 254TC Frame, TEFC



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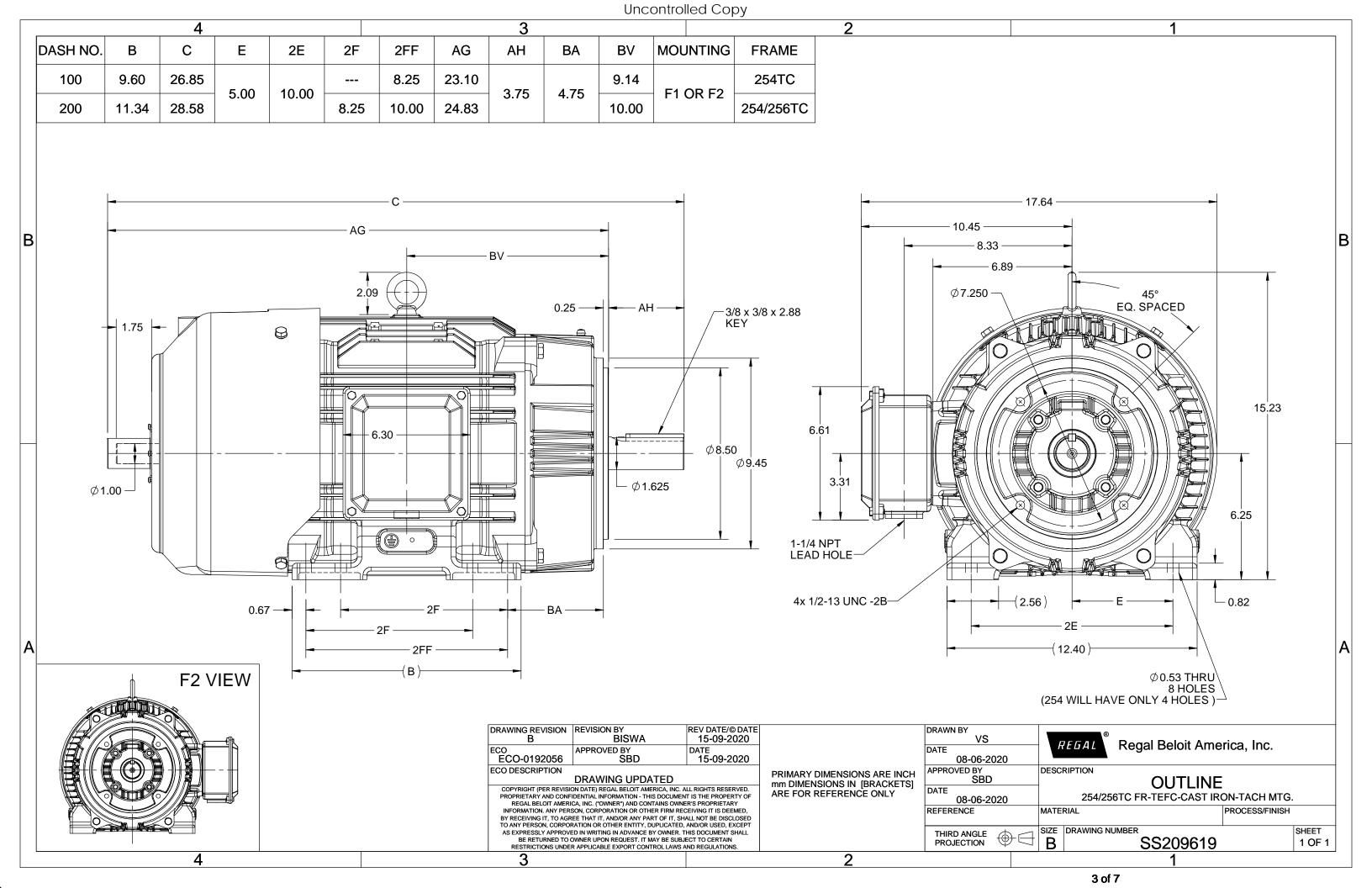
Nameplate Specifications

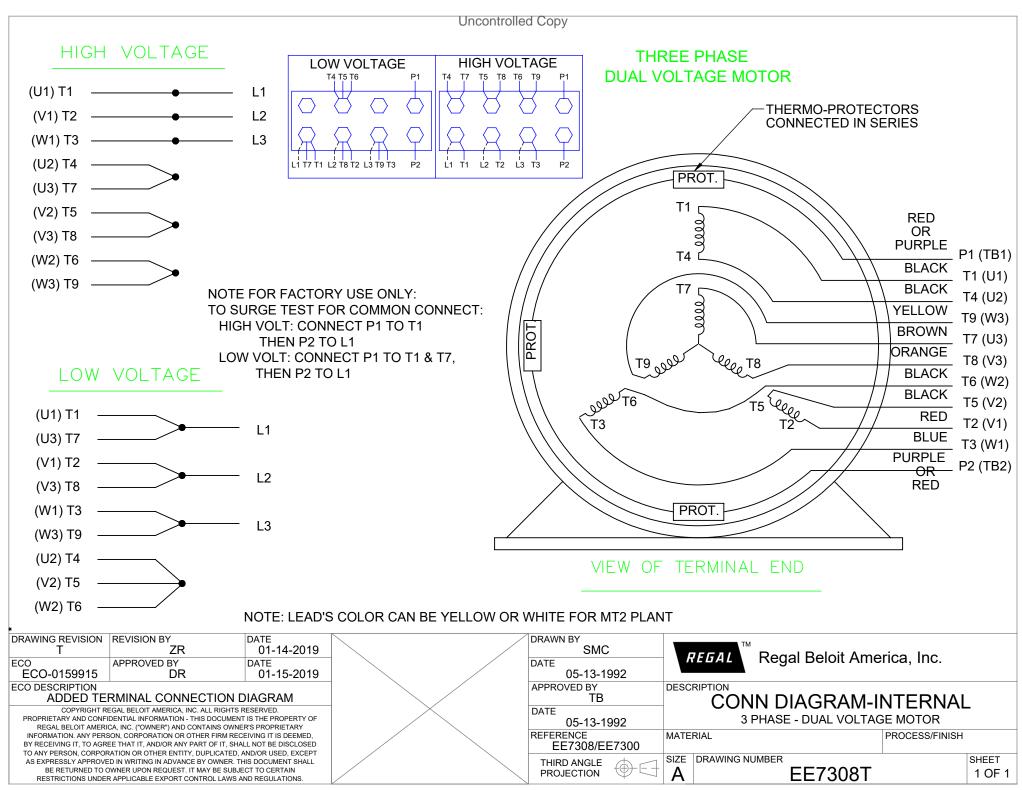
15 Hp	Output KW	11.2 kW
60 Hz	Voltage	230/460 V
35.0/17.5 A	Speed	1767 rpm
1	Phase	3
91.5 %	Power Factor	88.4
Continuous	Insulation Class	Н
INV	KVA Code	Н
254TC	Enclosure	Totally Enclosed Fan Cooled
Thermostat	Ambient Temperature	40 °C
6309	Opp Drive End Bearing Size	6209
Recognized	CSA	Υ
Υ	IP Code	55
1		
	60 Hz 35.0/17.5 A 1 91.5 % Continuous INV 254TC Thermostat 6309 Recognized	60 Hz 35.0/17.5 A Speed 1 Phase 91.5 % Power Factor Continuous Insulation Class INV KVA Code 254TC Enclosure Thermostat Ambient Temperature 6309 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

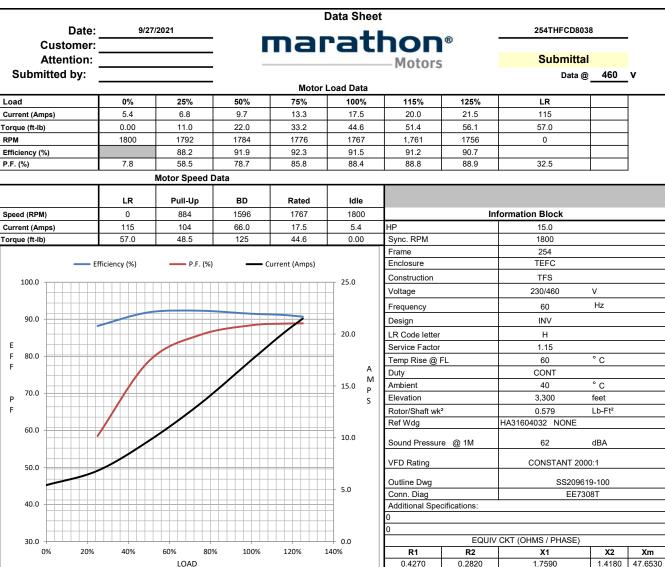
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	.684 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	т	Shaft Diameter	1.625 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1		
Outline Drawing SS209619-100		Connection Drawing	EE7308T		

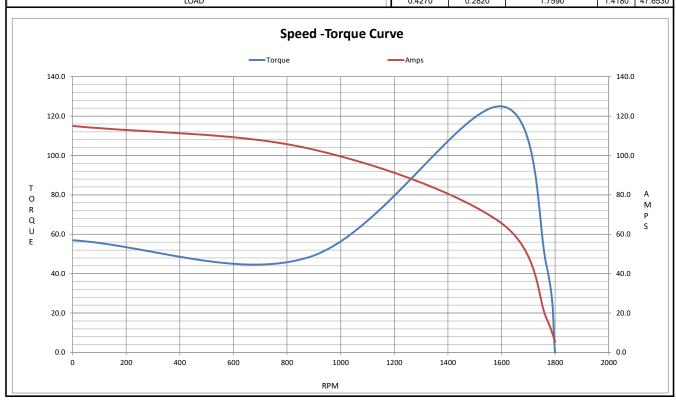
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									DO DOY	2000			
7272					P.O. BOX 8003								
marathon*					WAUSAU, WI 54401-8003 PH. 715-675-3311								
					II C				PH. /15-6	1/5-3311			
	Motors						DAT	A VOLTS:	460				
								DAI	A VOLIO.	400			
					CE	RTIFICATION DATA S	HEET						
CUSTON	IER:						CUSTO	MER P.O. #:					
ORDER #				F			REFERENCE MODEL #:		: 254THFCD8038				
	IAGRAM:	EE7308T					CAT #:						
OUTLINE		SS209619-100					CUSTOMER PART #:						
WINDING SPEED:	i:	HA31604032	NONE	2				MOUNTING:	F1/F2 CAF	ABLE			
SPEED:				TY	YPICAI	MOTOR PERFORMA	NCF D	ΔΤΔ					
НР	кw	SYNC RPM	FL	FL RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
15	11.2	1800	1	767		254TC		EFC	TFS	Н		INV	
PH	HZ	VOLTS	Α.	MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.	
3	60	230/460		/17.5		INVERTER ONLY		ONT	H	1.15	40	3300	
	1 00	250/100		,,,,		INVERTIENT ONE		0111		1.10	1.0	0000	
	F.L. EFF	91.5	3/4 LD EFF	92.3		1/2 LD EFF	91.9	GTD EFF		ELECT.	TYPE		
	F.L. PF	88.4	3/4 LD PF	85.8		1/2 LD PF	78.7	91.0		SQ CAGE II	NV DUTY		
												1	
	L. TORQUE	LR AMPS @	460 V			TORQUE		B.D. TORQU					
44.6	LB-FT	115		57.0 I	LB-FT	128%	125	LB-FT	280%	60			
SOUND	PRESSURE @ 3												
	FT.	SOUND POWER	ROTO	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
62	dBA	71 dBA	0.579	LB-FT ²	30	LB-FT ²	30	SEC.		2	300	LB.	
			•		*** 61	PPLEMENTAL INFORMA	TION ***						
			MOUNT		*** 50	PPLEMENTAL INFORMA	IATION *** HAZARDOUS DRIP						
DE BI	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	NOITATION	SEVERE DUTY	LOCATION		COVER			PAINT	
	C-FACE	ENCODER	RIGID	HORIZON	ONTAL NO		NONE		YES NONE		BLUE (ENAMEL)		
	BEARINGS	GREASE	SHAF	T TYPE	SPECIAL DE SPECIAL ODE		IAL ODE	SHAFT MATERIAL		FRAME MATERIAL			
DE BALL	ODE BALL								_				
6309	6209	POLYREX EM		T	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
0303	0203												
											SPA	CE HEATERS	
THERMOSTATS		PROTECTORS		RTD's	BRG RTD's		THERMISTORS		CONTROL				
TS	STATS (N/C)	NOT NOI		ONE NONE		NONE		FALSE			NA		
R1 (ohms/ph)		R2 (ohms/ph)	X1 (o	ohms/ph) X2 (ohms/ph)		X2 (ohms/ph)	Xm (c	hms/ph)	· ·	/IBRATION (in/sec)	FLOAT		
	0.427	0.282		.759 1.418			7.653	0.150		ODE			
*													
N						INVERTER TORQUE: CONSTANT 2000:1							
0							INV. HP SPEED RANGE: 1.5 X BASE SPEED						
T								TUCCET DVALADAD					
E							ENCODER: DYNAPAR						
S					HS35 NONE NONE PPR				DDD				
					BRAKE: NONE								
I	PREPARED BY:				NONE NONE								
l	DATE: 9/27/2021					FT-LB: NA							
I					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: 254THFCD8038

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

Catalog No: Y597A

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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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