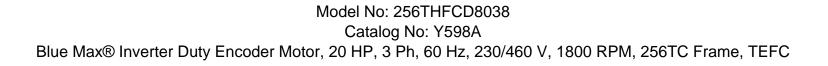
## **PRODUCT INFORMATION PACKET**





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marathon<sup>®</sup>

Motors

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Product Information Packet: Model No: 256THFCD8038, Catalog No:Y598A Blue Max® Inverter Duty Encoder Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256TC Frame, TEFC

# marathon®

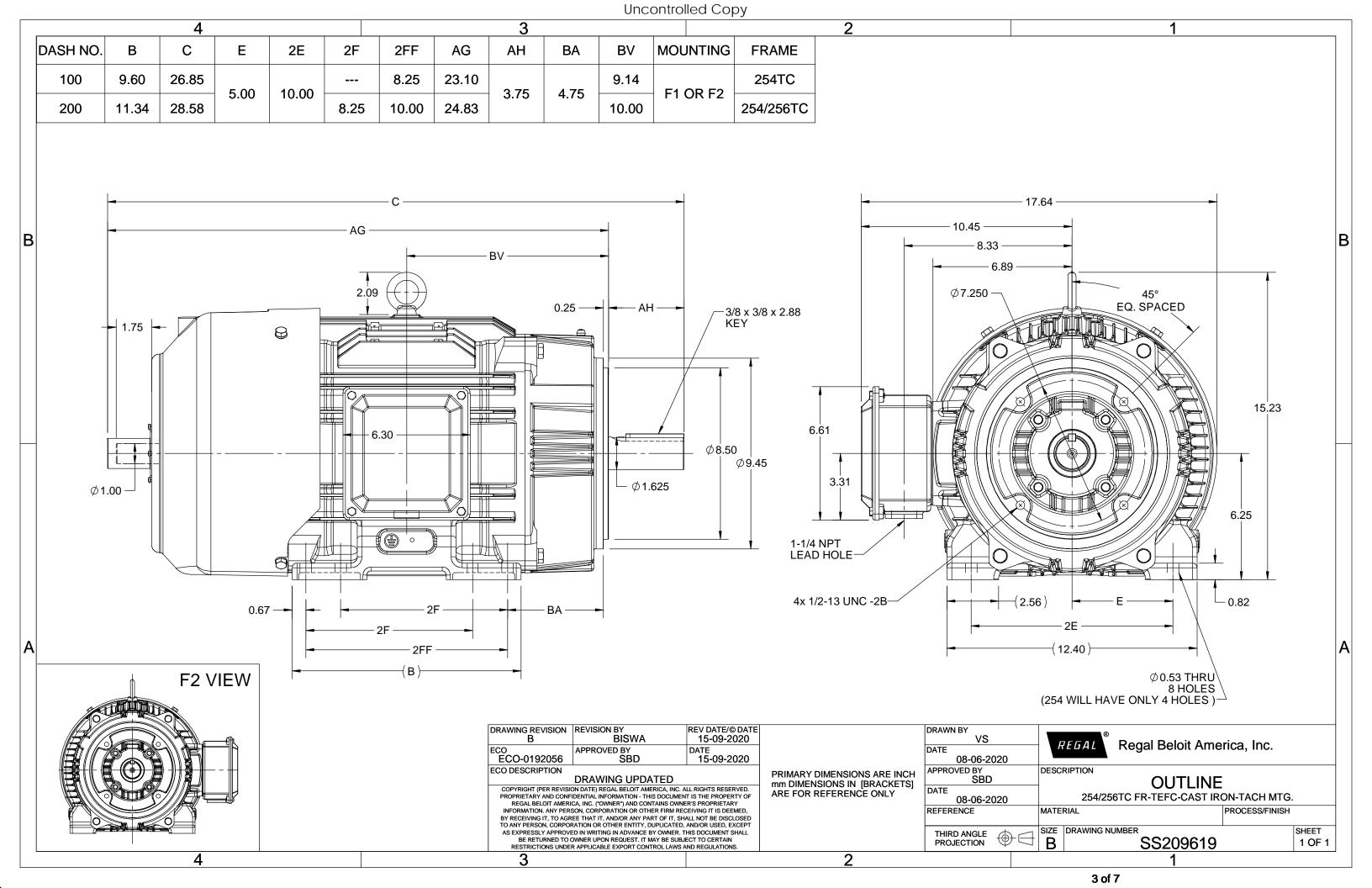
#### Nameplate Specifications

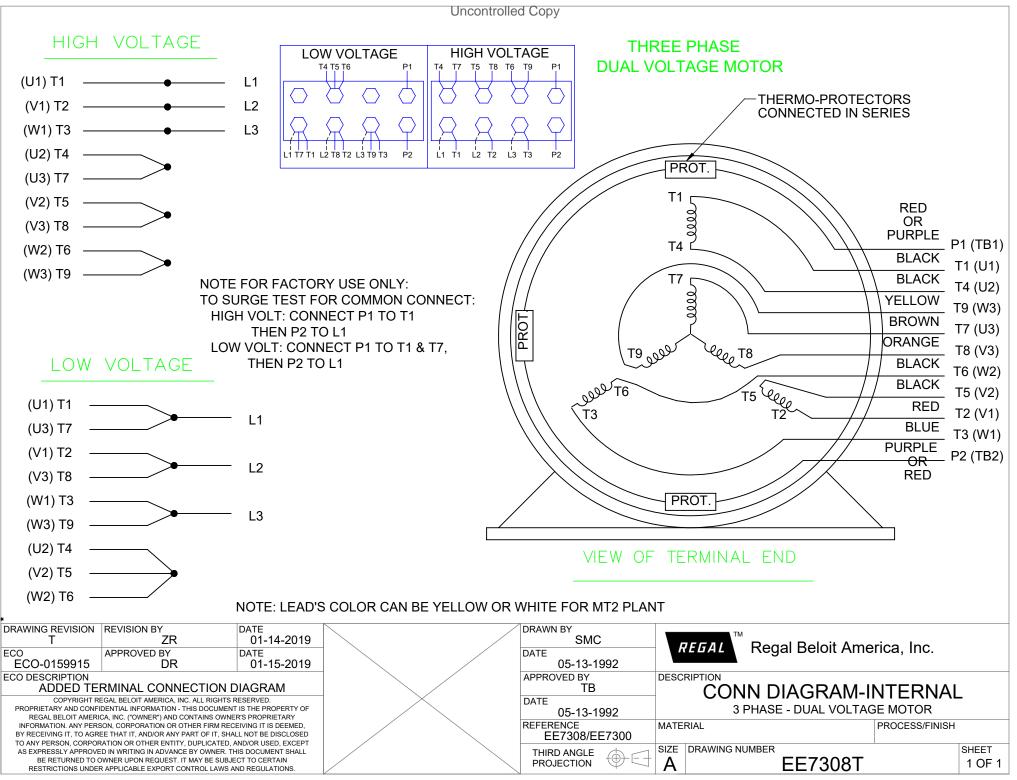
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	46.0/23.0 A	Speed	1772 rpm
Service Factor	1	Phase	3
Efficiency	92 %	Power Factor	86.5
Duty	Continuous	Insulation Class	н
Design Code	INV	KVA Code	к
Frame	256TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
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	4	Rotation	Reversible
Resistance Main	.4209 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
Connection Drawing	EE7308T	Outline Drawing	SS209619-200

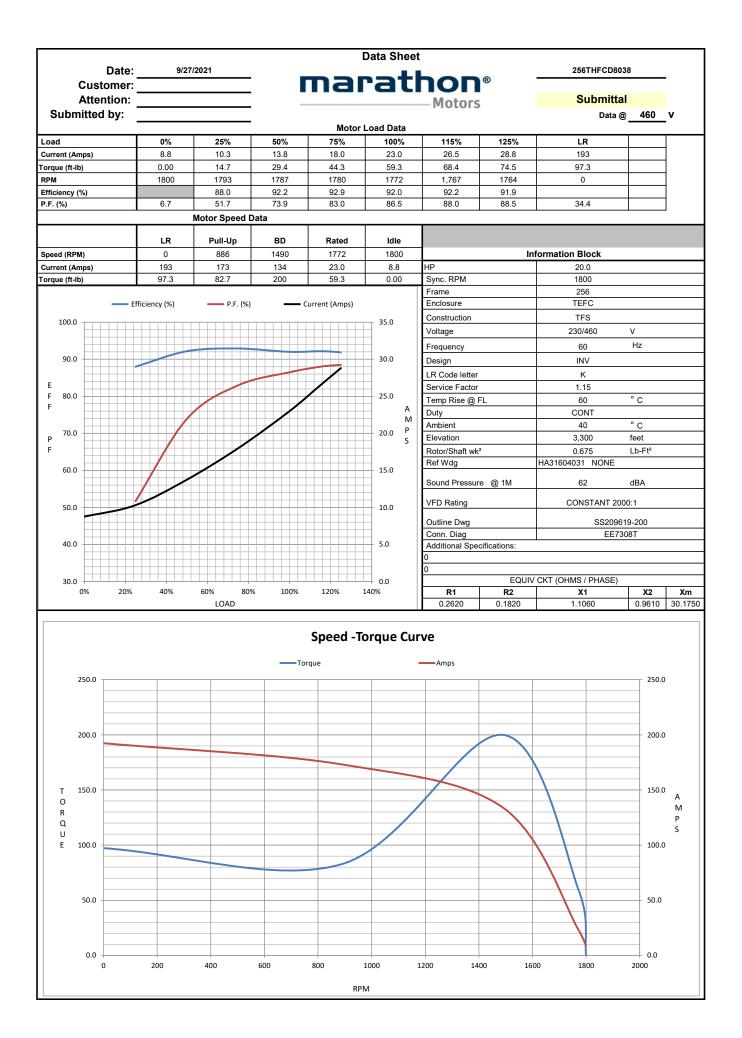
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				ma	ЭГZ	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003			
					CE	RTIFICATION DATA S	HEET						
CUSTOMER:			CUSTOMER P.O. #:										
ORDER #: CONN. DIAGRAM: OUTLINE:		EE7308T SS209619-200						CAT #: CUSTOMER PART #:		: Y598A			
WINDING SPEED:	i:	HA31604031	NONE	2					F1/F2 CAP	ABLE			
HP	ĸw	SYNC RPM	FL	RPM	YPICAL	FRAME	ANCE DATA ENCLOSURE		TYPE	KVA CODE		DESIGN	
20	14.9	1800	1	772		256TC	Т	EFC	TFS	к		INV	
PH	HZ	VOLTS		MPS				UTY	INSL	S.F.	AMB	ELEV.	
3	60 F.L. EFF	230/460	4 3/4 LD EFF	92.9		INVERTER ONLY	92.2	ONT GTD EFF	н	1.15 ELECT.	40	3300	
	F.L. PF		3/4 LD PF	83.0		1/2 LD PF	73.9	91.5		SQ CAGE I	NV DUTY		
<b>F.</b> 59.3	L. TORQUE LB-FT	LR AMPS @ 193	460 V	97.3	L.R. LB-FT	164%		B.D. TORQUE LB-FT	337%	F.L. RISE (° C) 60			
SOUND	PRESSURE @ 3 FT.	SOUND POWER		OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
62	dBA	71 dBA	0.675	LB-FT <sup>2</sup>		LB-FT <sup>2</sup>	25	SEC.		2	335	LB.	
DE BRACKET TYPE ODE BR		ODE BRACKET TYPE	MOUNT TYPE			*** SUPPLEMENTAL INFORMA		HAZARDOUS LOCATION		SCREENS		PAINT	
	C-FACE	ENCODER RIGID HORIZONTAL		NO	NONE		YES NONE		В	BLUE (ENAMEL)			
DE	BEARINGS ODE	GREASE	SHAF	T TYPE	PE SPECIAL DE		SPEC	IAL ODE	SHAFT MATERIAL		FRAME MATERIAL		
BALL 6309	BALL 6209	POLYREX EM		Т	NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON		
THERMOSTATS PROTECTORS WDG RT			BRG RTD's				CONTROL						
TSTATS (N/C)		NOT		ONE	NONE		NONE FALSE			NA			
R1 (ohms/ph) 0.262		R2 (ohms/ph) 0.182		hms/ph) .106		X2 (ohms/ph) 0.961		ohms/ph) 0.175	v	/IBRATION (in/sec) 0.150		ODE ODE	
× N O T							IN			CONSTANT 2000:1 1.5 X BASE SPEED			
E S								ENCODER: HS35 NONE	DYNAPAR		NONE	PPR	
PREPARED BY:					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								





### **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: 256THFCD8038

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

Catalog No : Y598A

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