PRODUCT INFORMATION PACKET



Model No: 256THTCD8038 Catalog No: Y510A

Blue Max® Inverter Duty Encoder Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256TC Frame, TENV



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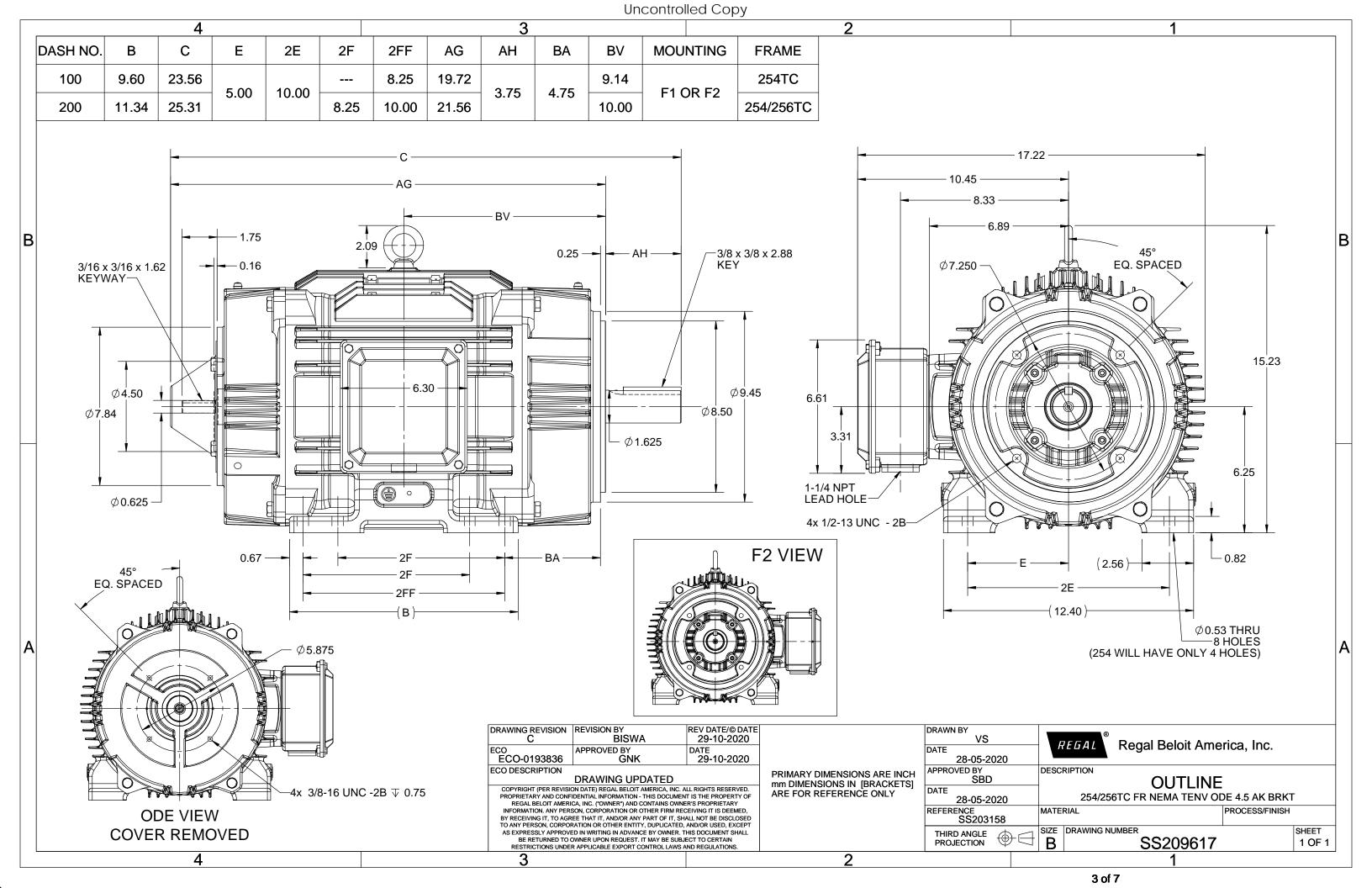
Nameplate Specifications

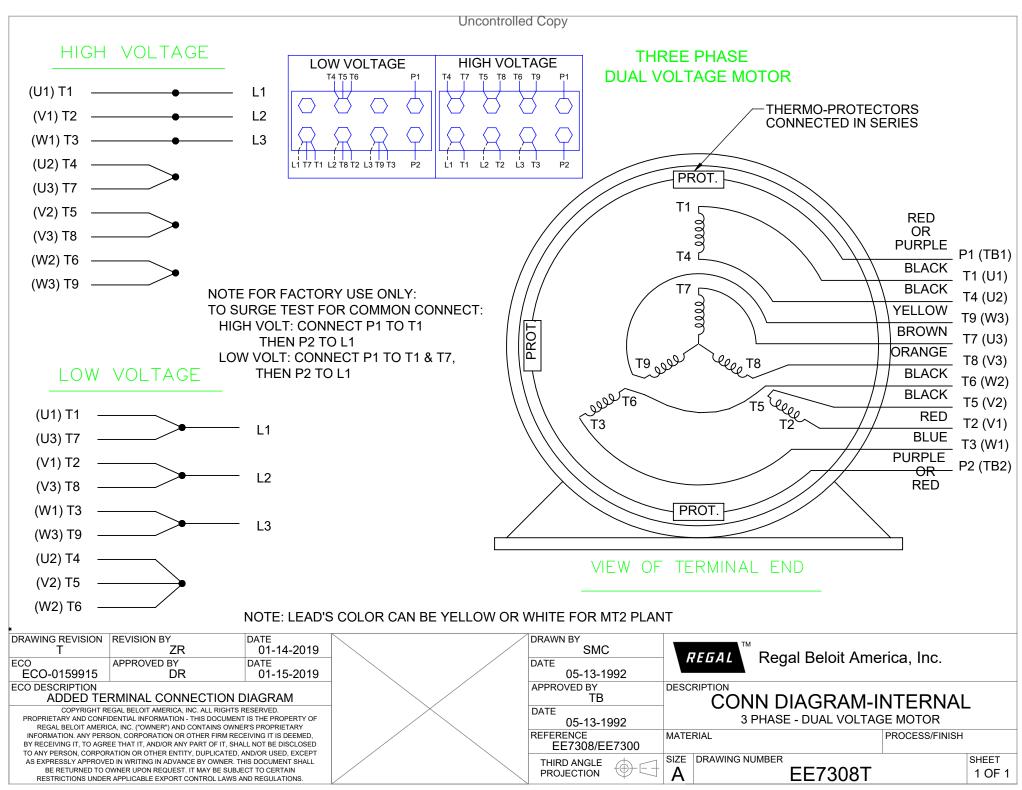
Phase	3	Output HP	20 Hp
Output KW	14.9 kW	Voltage	230/460 V
Speed	1778 rpm	Service Factor	1.00
Frame	256TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	93.6 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	49.0/24.5 A	Power Factor	84
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	M
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1		

Technical Specifications

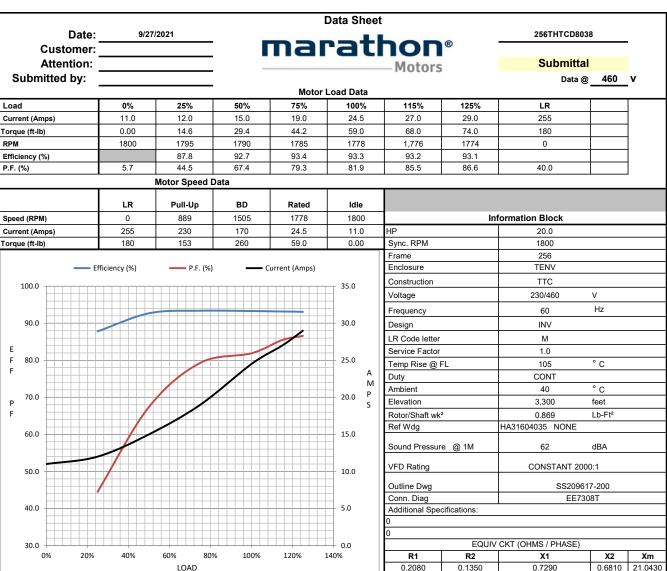
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only		
Poles	4	Rotation	Reversible		
Resistance Main	.333 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	Т	Shaft Diameter	1.625 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1		
Outline Drawing	SS209617-200	Connection Drawing	EE7308T		

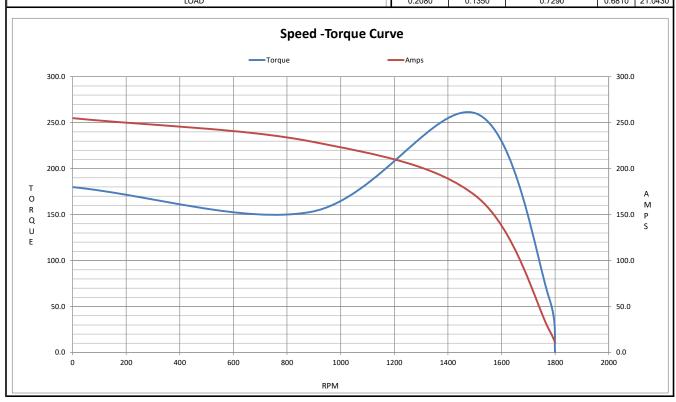
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									P.O. BOX			
	marathon					WAUSAU, WI 54401-8003						
				ma	II'c	a unon e			PH. 715-6	75-3311		
						Motors						
						1-10(013		DAT	A VOLTS:	460		
	CERTIFICATION DATA SHEET											
CUSTOM	CUSTOMER:						CUSTO	MER P.O. #:				
ORDER #:			F			REFERENCE MODEL #:						
CONN. DIAGRAM:		EE7308T		-		CAT #:						
OUTLINE		SS209617-200						ER PART #:				
WINDING	:	HA31604035	NONE	2				MOUNTING:	F1/F2 CAP	ABLE		
SPEED:				TY	YPICAL	MOTOR PERFORMA	NCE DA	ATA				
НР	kw	SYNC RPM	FL	L RPM FRAME		FRAME	ENCLOSURE TYPE		TYPE	KVA CODE		DESIGN
20	14.9	1800	1	1778		256TC	TENV		ттс	М		INV
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	49	9/24.5		INVERTER ONLY	С	ONT	Н	1.15	40	3300
<u> </u>	F1	02.2	2/4 D FFF	93.4		4/0.1.0.555	00.7	CTD FFF		FIFOT	TVDE	
-	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	93.4 79.3		1/2 LD EFF 1/2 LD PF	92.7 67.4	92.7	1	ELECT. SQ CAGE I		
	1.2.11	01.5	3/4 LD 11	73.5		1/2 LD 11	01.4	32.1		OQ OAOL I	144 0011	
F.I	F.L. TORQUE LR AMPS @ 460 V			L.R. TORQUE		B.D. TORQUE		E	F.L. RISE (° C)			
	LB-FT	255		180 L	LB-FT	305%	260	LB-FT	441%	105		
SOUND	PRESSURE @ 3 FT.	SOUND POWER	POT	OR WK ²		MAX. LOAD WK ²	CAEE C	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT
62	dBA	71 dBA		LB-FT ²	30	LB-FT ²	18	SEC.		2	_	LB.
- 02	ubh	, , ush	,			120		020.	1	-	0.0	
					*** SL	IPPLEMENTAL INFORMA	TION ***					
			MOUNT				HAZARDOUS		DRIP			
	RACKET TYPE	ODE BRACKET TYPE	RIGID	MOTOR ORIEN		SEVERE DUTY		ATION	COVER	SCREENS	<u> </u>	PAINT
	C-FACE	BRAKE OR ENCODER	RIGID	HORIZONTAL NO		NONE		NO NONE		BLUE (ENAMEL)		
	EARINGS	005405	0114	T TVD5		0050141 05	0050				T	
DE	ODE	GREASE	SHAI	FT TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL	POLYREX EM		Т		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6309	6209	TOETREXEM				NONE		ONE	1040	TIOT NOLLED (0-204)		CAOT INCIV
	RMOSTATS	PROTECTORS	WD	G RTD's		BRG RTD's	TUED	MICTORC		CONTROL	SPAC	E HEATERS
	TATS (N/C)	NOT		NONE NONE		THERMISTORS NONE		FALSE			NA	
				0.12		HOILE		0.112		17202		
R1 (ohms/ph) R2 (ohms/ph) X		X1 (o	hms/ph) X2 (ohms/ph)		Xm (c	ohms/ph) VIBRATION (in/sec)		FLOAT				
	0.208 0.135 0.729		.729		0.681	21.043 0.150		ODE				
N						INVERTER TORQUE: CONSTANT 2000:1						
Ö							INV. HP SPEED RANGE: 2.0 X BASE SPEED					
Ť								0				
E						ENCODER: NORTHSTAR						
s						ST56						
*								NONE			NONE	PPR
1								BRAKE:				
1	PREPARED BY: DATE:	9/27/2021						NO FT-LB:	NE	NONE NA		
1	DATE:	SIZIIZUZI						VOLTAGE:		NA NONE		HZ:
FORM: 3	531 REV 4	2/27/06					UL:		ST, OVERHE	EAT PRT DEV UL REC		nz:
. 0 0							·	, - 5.4	,			







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: 256THTCD8038

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

Catalog No: Y510A

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

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