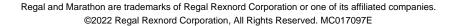
PRODUCT INFORMATION PACKET



Model No: 256THTCD8071 Catalog No: Y993A

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









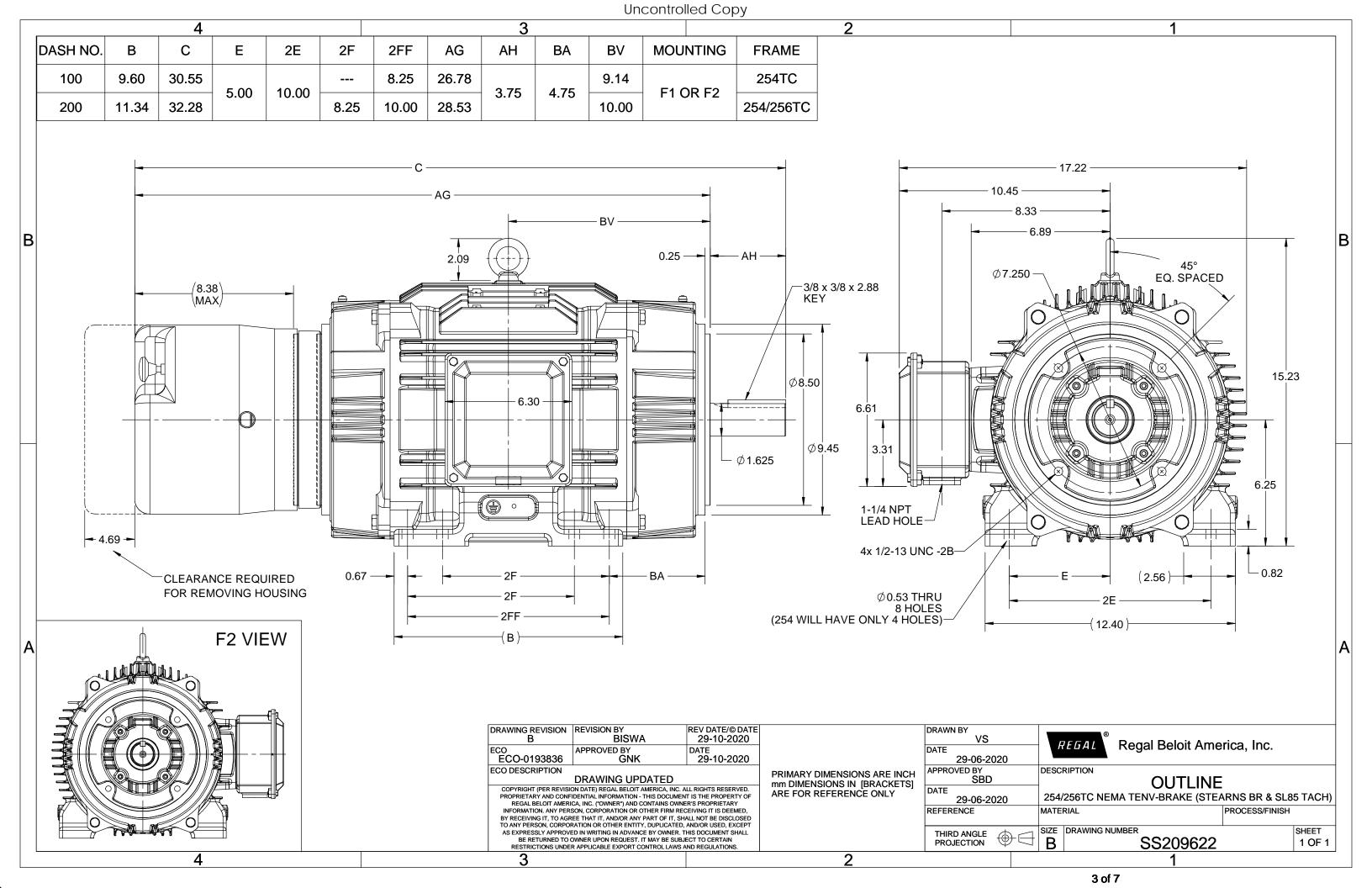
Nameplate Specifications

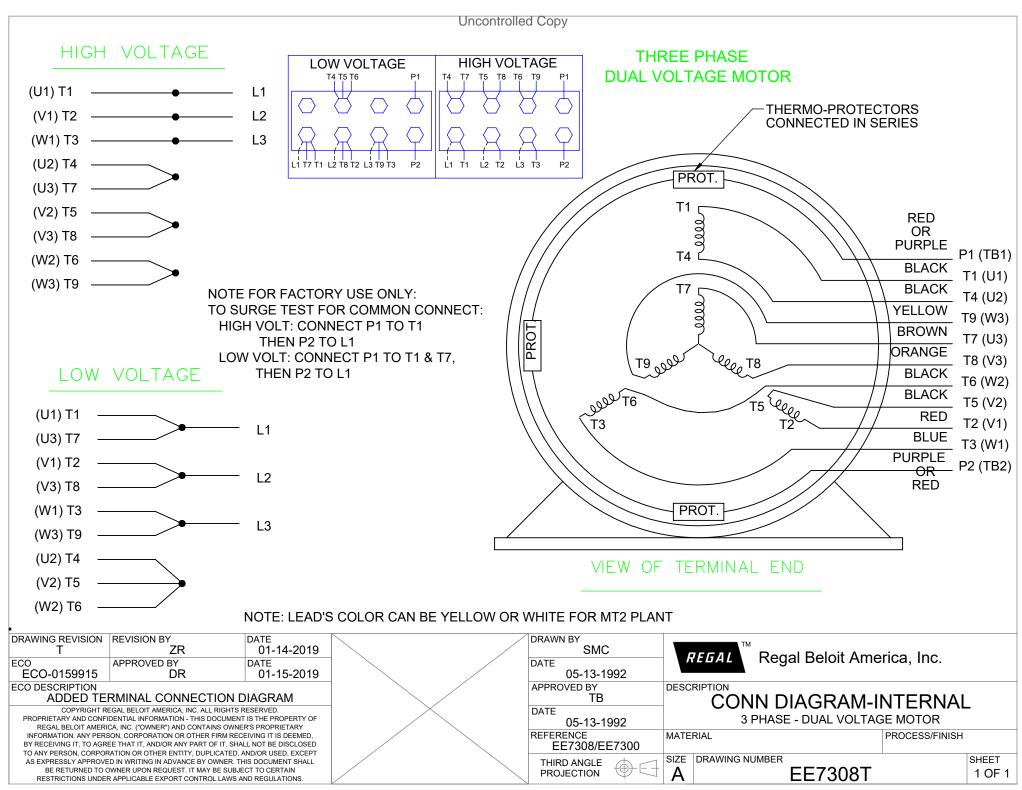
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	49.0/24.5 A	Speed	1778 rpm
Service Factor	1	Phase	3
Efficiency	93.4 %	Power Factor	81
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	М
Frame	256TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6309
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		
Connection Drawing	EE7308T	Outline Drawing	SS209622-200		

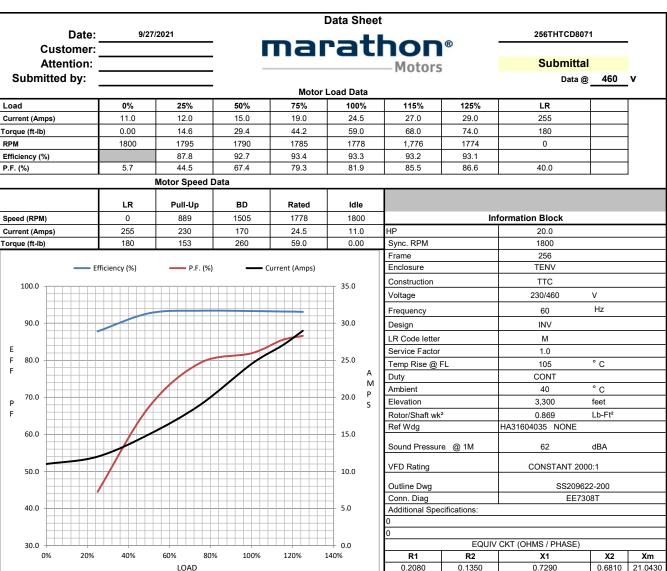
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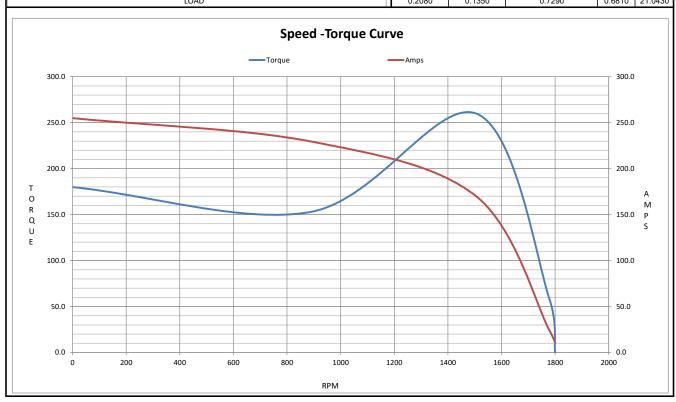




					P.O. BOX 8003									
marathon [®]					WAUSAU, WI 54401-8003 PH. 715-675-3311									
maratnon								PH. 715-6	75-3311					
						Motors		DAT	A VOLTS:	460				
								DAI	A VOLIO.	400				
					CE	RTIFICATION DATA S	HEET							
сиѕтом	IER:						CUSTO	OMER P.O. #:						
ORDER #						R	REFERENC	E MODEL #:	256THTCE					
CONN. DIAGRAM:		EE7308T SS209622-200					CAT #: CUSTOMER PART #:							
OUTLINE		HA31604035	NONE	2			CUSTO	MOUNTING:	E1/E2 CAE	ADI E				
SPEED:		TIA31004033	NONE	2				WOON TING.	F I/FZ GAF	ABLE				
		-		T	YPICAL	MOTOR PERFORMA	NCE D	ATA						
									I I		1			
HP	KW	SYNC RPM	FL	RPM		FRAME	ENC	LOSURE	TYPE	KVA CODE			DESIGN	
20	14.9	1800	1	778		256TC		ΓENV	TTC		M		INV	
PH	HZ	VOLTS	Al	MPS		START TYPE		DUTY	INSL	S.F.		AMB	ELEV.	
3	60	230/460		/24.5		INVERTER ONLY		CONT	Н	1.15		40	3300	
	'													
	F.L. EFF		3/4 LD EFF	93.4		1/2 LD EFF	92.7	GTD EFF			ELECT. T			
	F.L. PF	81.9	3/4 LD PF	79.3		1/2 LD PF	67.4	92.7		SC	CAGE IN	/ DUTY		
-	L. TORQUE	LR AMPS @	400.1/			TORQUE		B.D. TORQU	-	F. 5	UCE (° C)			
59.0	LB-FT	255	400 V	180	LB-FT	305%	260	LB-FT	441%	F.L. RISE (° C)				

SOUND	PRESSURE @ 3													
	FT.				MAX. LOAD WK ²			STALL TIME		STARTS/HOUR		APROX. MOTOR WGT		
62	dBA	71 dBA	0.869	LB-FT ²	30	LB-FT ²	18	SEC.		2		355	LB.	
					*** SL	PPLEMENTAL INFORMA	TION **	*						
			MOUNT					ARDOUS	DRIP					
	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE				CATION	COVER SCREENS		s	PAINT		
	C-FACE	BRAKE AND ENCODER	RIGID	HORIZON	ONTAL NO			NONE	NO NONE			BLUE (ENAMEL)		
-	BEARINGS													
DE	ODE	GREASE	SHAF	T TYPE	SPECIAL DE		SPECIAL ODE		SHA	SHAFT MATERIAL		FRAME MATERIAL		
BALL	BALL	POLYREX EM		т	NONE		NONE		1045	1045 HOT ROLLED (C-204)		CAST IRON		
6309	6309	T OETHER EM		•		NONE		10.112	1045 HOT ROLLED (C-204)				CASTIRON	
				1							-			
THERMOSTATS PROTECTO		PROTECTORS	wng	G RTD's BRG RTD's		THE	MISTORS	CONTROL			SPACE HEATERS			
	STATS (N/C)	NOT		ONE				NONE	FALSE				NA	
R1	1 (ohms/ph)	R2 (ohms/ph)		hms/ph)	oh) X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec))	FLOAT		
	0.208	0.135	0.	729	29 0.681		2	1.043		0.150			ODE	
l ,								INVERTER	TOROUE:	CONSTANT 2000	:1			
l o						INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED								
T							·							
E								ENCODER:	NORTHST	AR				
S						SL85								
•					NONE NONE PPR					PPR				
PREPARED BY						STEARNS								
	PREPARED BY:				87,000 NEMA 2 FT-LB: 105									
	DATE. SIZITZUZT					VOLTAGE: 208-230/460-190/380 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: 256THTCD8071

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

Catalog No: Y993A

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

Julian Clark Marketing Engineer

Created on 09/01/2022

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