PRODUCT INFORMATION PACKET



Model No: 254THTCD8071 Catalog No: Y992A

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



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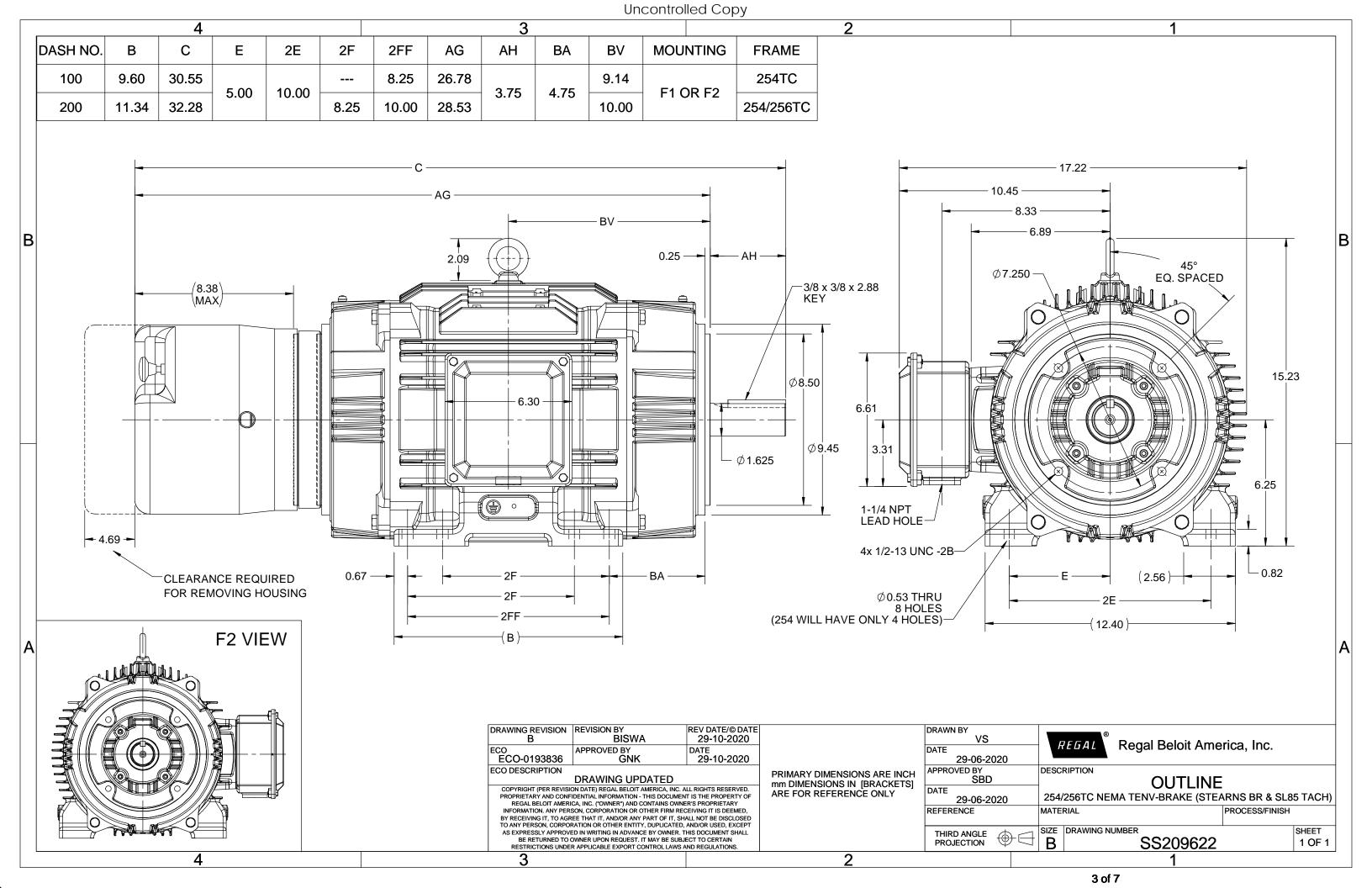
Nameplate Specifications

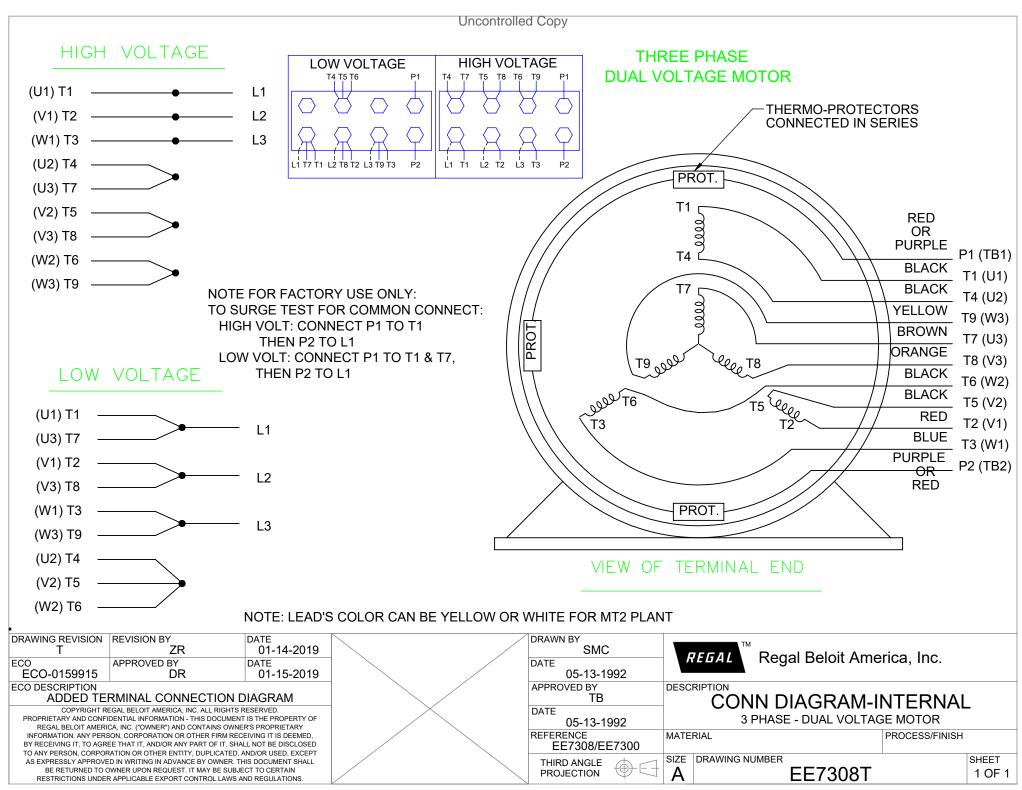
15 Hp	Output KW	11.2 kW
60 Hz	Voltage	230/460 V
35.0/17.5 A	Speed	1777 rpm
1	Phase	3
92.9 %	Power Factor	85.7
Continuous	Insulation Class	Н
INV	KVA Code	L
254TC	Enclosure	Totally Enclosed Non Ventilated
Thermostat	Ambient Temperature	40 °C
6309	Opp Drive End Bearing Size	6309
Recognized	CSA	Υ
Υ	IP Code	55
1		
	60 Hz 35.0/17.5 A 1 92.9 % Continuous INV 254TC Thermostat 6309 Recognized	60 Hz Voltage 35.0/17.5 A Speed 1 Phase 92.9 % Power Factor Continuous Insulation Class INV KVA Code 254TC Enclosure Thermostat Ambient Temperature 6309 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

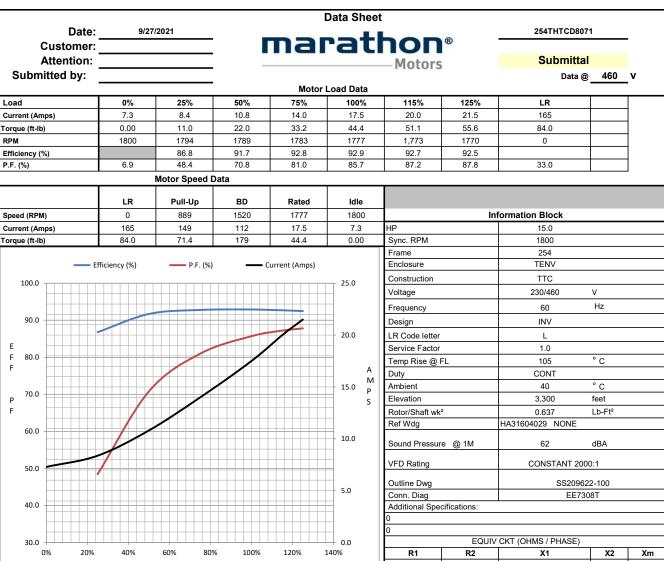
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.0493 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1
Connection Drawing	EE7308T	Outline Drawing	SS209622-100

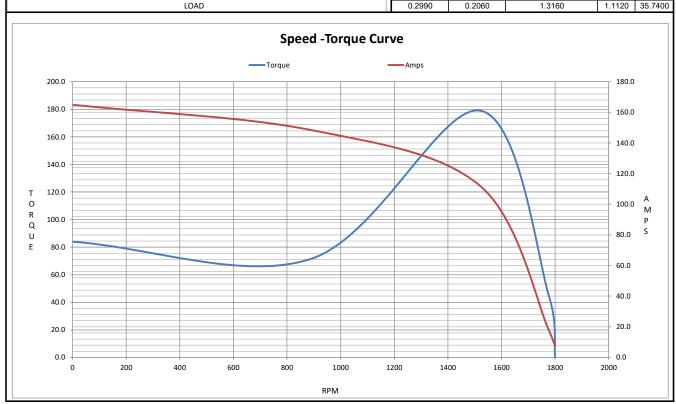
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ALLOY					P.O. BOX 8003							
marathon•					WAUSAU, WI 54401-8003 PH. 715-675-3311							
					II C				PH. 715-6	575-3311		
						Motors		DAT	A VOLTS:	460		
								5711		100		
	CERTIFICATION DATA SHEET											
CUSTON	CUSTOMER:			CUSTO	OMER P.O. #:							
ORDER #				F			REFERENCE MODEL #:					
CONN. D		EE7308T					CAT #: CUSTOMER PART #:					
OUTLINE: \$\$209622-100 WINDING: HA31604029 NON		NONE	2				: F1/F2 CAPABLE					
SPEED:				_					=			
		-		Т	YPICAL	MOTOR PERFORMA	NCE D	ATA				
НР	ĸw	SYNC RPM	FL	L RPM FRAME		FRAME	ENC	NCLOSURE TYP		KVA CODE		DESIGN
15	11.2	1800	1	777		254TC		ΓENV	ттс			INV
	1 1742	1000			1	20110	LENV		,			
PH	HZ	VOLTS	A	MPS		START TYPE		OUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	35	/17.5		INVERTER ONLY	(CONT	Н	1.15	40	3300
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	92.8 81.0		1/2 LD EFF 1/2 LD PF	91.7 70.8	91.5			INV DUTY	
	F.L. FF	65.7	3/4 LD FF	01.0		1/2 LD FF	70.0	91.5		3Q CAGE	INV DOTT	
F.	F.L. TORQUE LR		460 V		L.R.	TORQUE	B.D. TORQUE		F.L. RISE (° C	;)		
44.4	LB-FT	165		84.0 LB-FT		189%	179	LB-FT	403%	105		
L												
SOUND	PRESSURE @ 3 FT.	SOUND POWER	ROTO	OR WK²		MAX. LOAD WK ²	SAFE S	STALL TIME		STARTS/HOUR	APROX.	MOTOR WGT
62				30	LB-FT ²	30 SEC.		2			LB.	
		•	,					•				
					*** SL	PPLEMENTAL INFORMA					_	
DE BI	RACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE	ENTATION SEVERE DUTY			ARDOUS CATION	DRIP COVER	SCREENS	PAINT	
	C-FACE	BRAKE AND ENCODER	RIGID	HORIZON				NONE	NO NONE		BLUE (ENAMEL)	
	BEARINGS	GREASE	SHAF	T TYPE		SPECIAL DE SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
DE BALL	ODE BALL				-		 		+			
6309	6309	POLYREX EM		Т		NONE	NONE 1045 HC			HOT ROLLED (C-204) CAS		CAST IRON
											SPAC	E HEATERS
	TATS (N/C)	PROTECTORS NOT		RTD'S BRG RTD'S NE NONE			MISTORS NONE	CONTROL FALSE			NA	
10	TATS (N/C)	NOT	IN	JINE		NONE		NOINE	1	PALSE		IVA
R'	l (ohms/ph)	R2 (ohms/ph)	X1 (o	ms/ph) X2 (ohms/ph)		Xm (ohms/ph)	VIBRATION (in/sec)		FLOAT		
	0.299 0.20		1	1.316 1.112			35.74	0.150		ODE		
-												
l n							INVERTER TORQUE: CONSTANT 2000:1					
o							INV. HP SPEED RANGE: 2.0 X BASE SPEED					
т												
E								ENCODER: NORTHSTAR				
S						SL85 NONE PPR					DDD	
				BRAKE: STEARNS					TTIN			
l	PREPARED BY:				87,000 NEMA 2							
l	DATE: 9/27/2021				FT-LB: 75							
	I				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: 254THTCD8071

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

Catalog No: Y992A

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. cerse

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

Julian Clark Marketing Engineer

Created on 09/01/2022

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