### **PRODUCT INFORMATION PACKET**

Model No: TCA5P51AE211GAA009 Catalog No: R327B Cast Iron Motor, 7.50 & 5.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 132S Frame, TEFC



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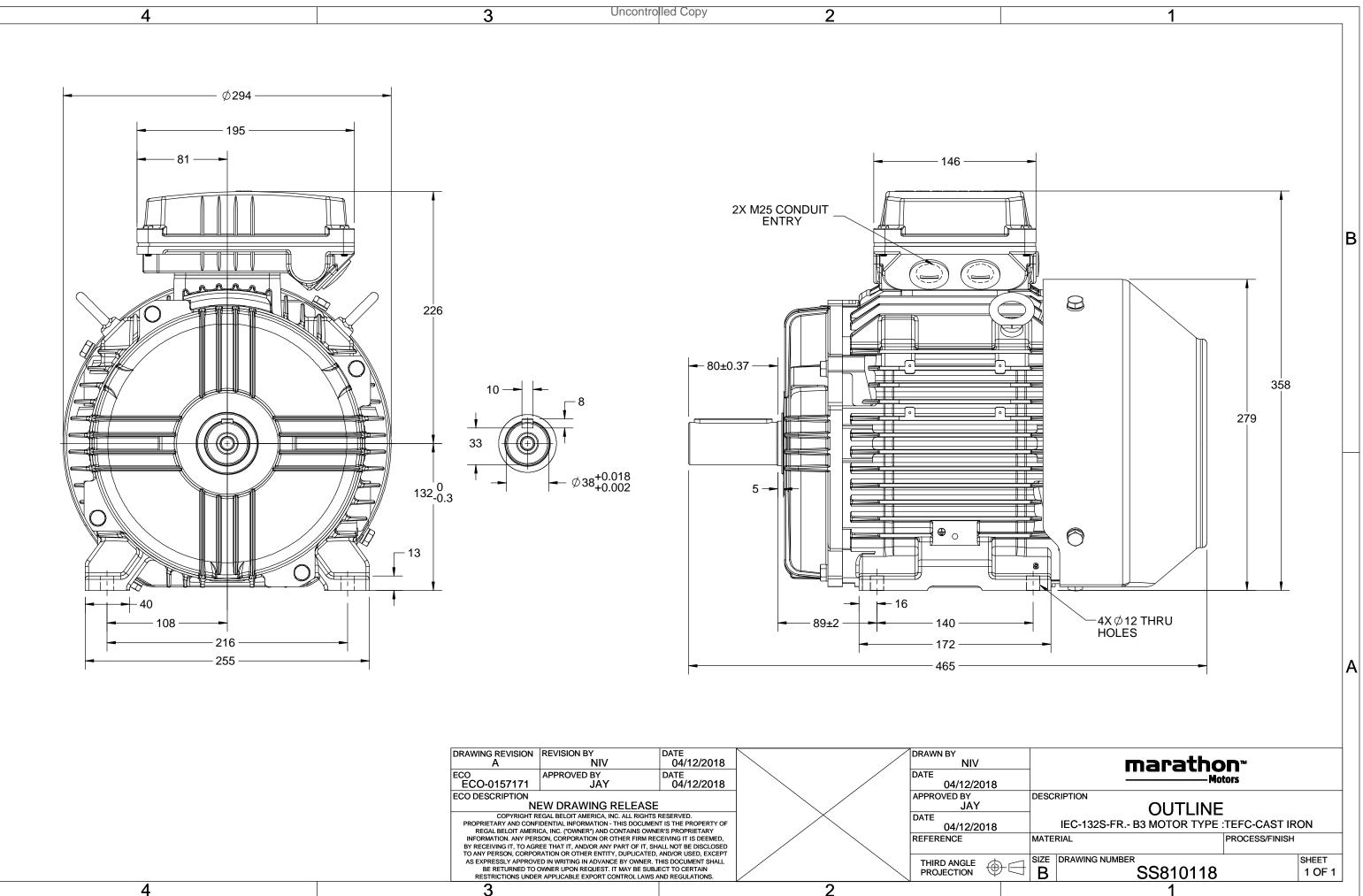
#### Nameplate Specifications

Phase	3	Output HP	7.50 & 5.50 Hp		
Output KW	5.5 & 4.0 kW	Voltage	230/460 & 200/400 V		
Speed	3535 & 2945 rpm	Service Factor	1.15 & 1.15		
Frame	132S	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	89.5 & 88.1 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	17.6/8.8 & 15/7.5 A	Power Factor	88		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	н		
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208		
UL	Recognized	CSA	Ν		
CE	Υ	IP Code	55		
Number of Speeds	1	Efficiency Class	IE3		

#### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	2.02 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	18.31 in
Frame Length	7.95 in	Shaft Diameter	1.496 in
Shaft Extension	3.15 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS810118	Connection Drawing	8442000715

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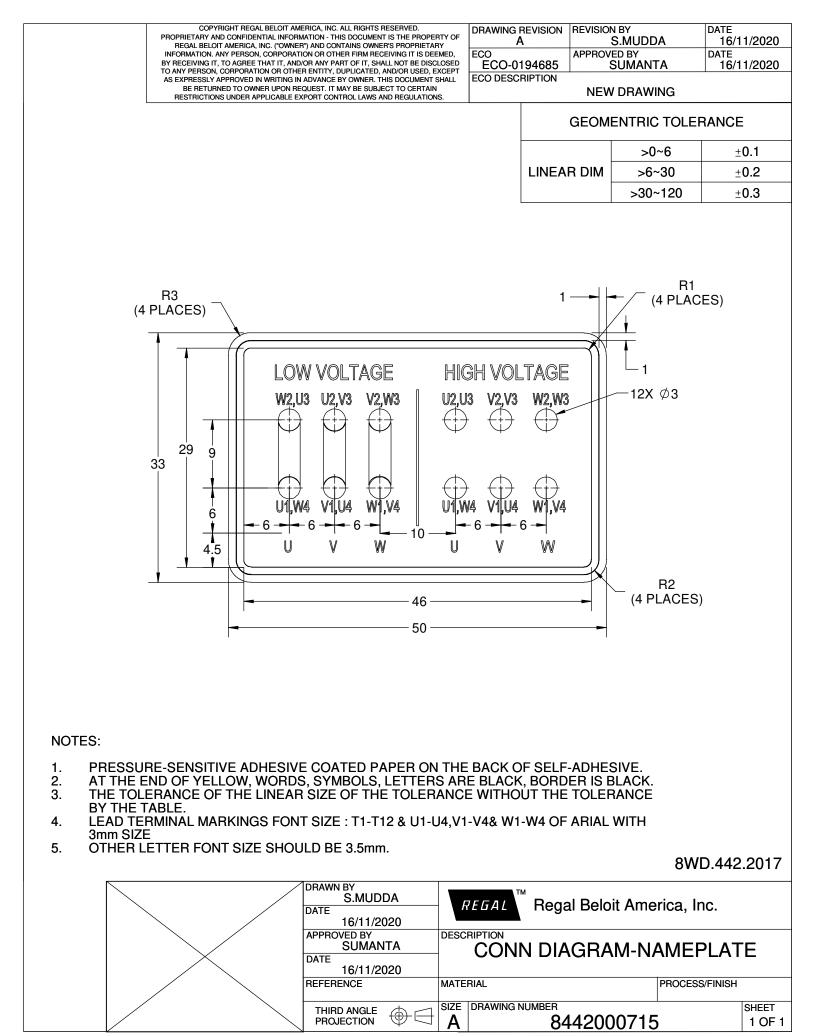


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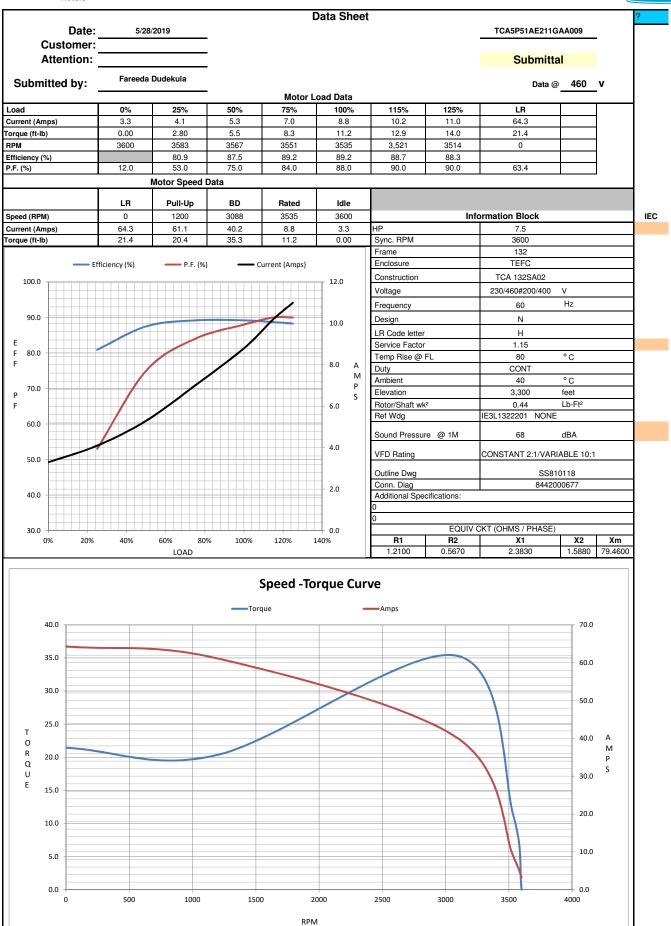
					P.O. BOX 8003							
						WAUSAU, WI 54401-8003						
							PH. 715-675-3311					
									PH. /15-6/5-331	11		
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA SI	HEET					
сизтом								OMER P.O. #:				
ORDER #	ORDER #:					REFERENCE MODEL #: TCA5P51AE211GAA009						
CONN. DI	IAGRAM:	8442000677					CAT #:					
OUTLINE	:	SS810118					CUSTO	MER PART #:				
WINDING	:	IE3L1322201	NONE	1				MOUNTING:	F3			-
SPEED:												
		-	1	Т	YPICAL	MOTOR PERFORMA	NCE DA	TA	1	I		1
HP	кw	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
7.5	5.5	3600		535		132S	-	FFC	TCA 132SA02	н		N
1.5	0.0	0000		.000		1020	132S TEFC		1CA 132SA02 H		I IN	
РН	HZ	VOLTS		MPS		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		.8&15/7.5		LINE OR INVERTER		CONT	F	1.15	40	3300
- 3	00/50	230/480#200/400	17.0/0	.00(13/7.3			, c		Г	1.15	40	3300
	F.L. EFF	20.5	3/4 LD EFF	89.2		1/2 LD EFF	87.5	GTD EFF	1	ELECT.		
	F.L. PF		3/4 LD PF	84.0		1/2 LD PF	75.0	87.9		SQ CAGE IN		
	1.L.FI	00.0	3/4 LD F1	04.0		1/2 LD F1	75.0	07.5			VIAILD	
	L. TORQUE	LR AMPS @	400.1/								(° C)	1
	LB-FT	64.3	460 V	21.4	L.R. TORQUE		B.D. TORO				<u>= (° C)</u>	
11.2	LB-FI	64.3		21.4	LB-FT	191%	35.3	LB-FT	315%	80		
SOLIND	PRESSURE @ 3				1				1			
FT.		SOUND POWER	WER ROTOR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>		SAFE STALL TIME		STARTS/HOUR		APROX. MOTOR W	MOTOR WGT
68			LB-FT <sup>2</sup>	0.44	LB-FT <sup>2</sup>	10 SEC.		2		76 KG.		
					*** 011	PPLEMENTAL INFORMA						
			MOUNT		50			ARDOUS	1		1	
DE BF	RACKET TYPE			MOTOR ORI	R ORIENTATION SEVERE DUTY		LOCATION		DRIP COVER	SCREENS	PAINT	
	TANDARD	STANDARD	B3	HORIZO				IONE	NO	NONE	BLUE (ENAMEL)	
		1				<u> </u>						,
в	BEARINGS											
DE	ODE	GREASE	SHA	T TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL											
6308	6208	POLYREX EM	STANL	DARD IEC		NONE	r	IONE	1045 HOT ROLLED (C-204)		CAST IRON	
		1	1		1				1		1	
THERMOSTATS PR		PROTECTORS	PROTECTORS WDG RTD's		BRG RTD'S THERMIS		ERMISTORS			SPACE HEATERS		
	NONE	NOT		ONE			NONE		FALSE		NA	
	NUNE	NOT	N	UNE		NONE	r	NONE	F	ALSE	r	NA
P1 (abma/ab)		R2 (ohms/ph)	ns/ph) X1 (ohms/ph)		X2 (ohms/ph)		Vm (	ohms/ph)	VIBRATION (in/sec)		FLOAT	
R1 (ohms/ph) 1.21		0.567		.383	1.588			79.46	0.150		ODE	
-	1.21	0.367	2	.303		1.366		9.40	· · · ·	J.150	1 0	DE
*												
N								INIVE		CONSTANT 2-10/4	RIARI E 10-1	
Ö							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
-								INV. HP	SPEED RANGE:	NONE		
Т							NONE					
E						ENCODER: NONE						
S				NONE								
*				NONE NONE PPR				PPR				
					BRAKE:							
	PREPARED BY:					NONE NONE						
1	DATE: 11/3/2020				FT-LB: NA							
							VOLTAGE: NONE HZ:					
FORM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC							

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### **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 : TCA5P51AE211GAA009

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

Catalog No : R327B

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