### **PRODUCT INFORMATION PACKET**

Model No: TCA5P52AP211GAA009 Catalog No: R428B Cast Iron Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 132S Frame, TEFC



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Motors



Product Information Packet: Model No: TCA5P52AP211GAA009, Catalog No:R428B Cast Iron Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 132S Frame, TEFC

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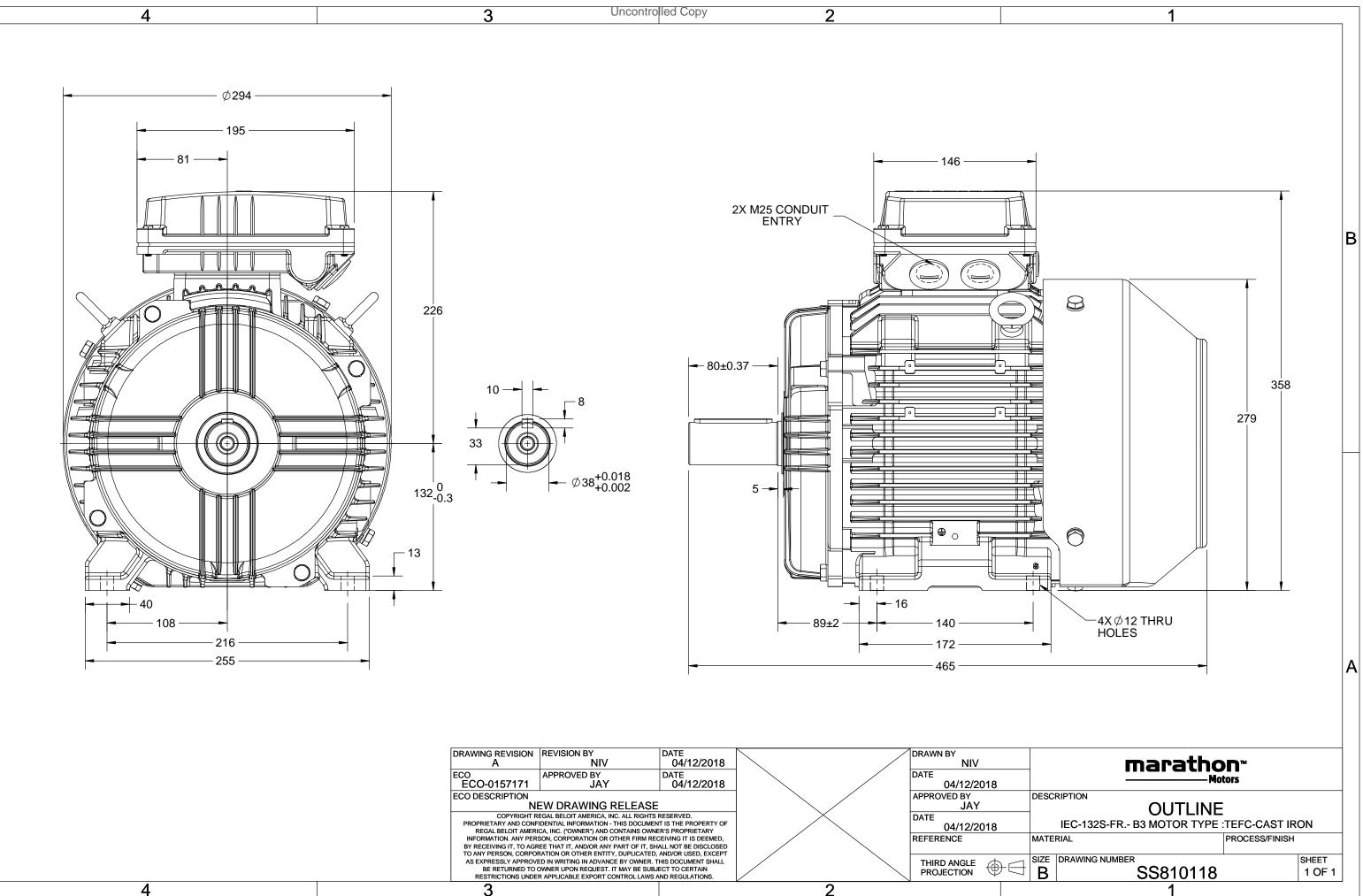
#### Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.5 kW
Frequency	60 Hz	Voltage	575 V
Current	7.9 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	77
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	132S	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	N
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	4	Rotation	Reversible
Resistance Main	1.56 Ohms	Mounting	ВЗ
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		
Connection Drawing	8442000685	Outline Drawing	SS810118

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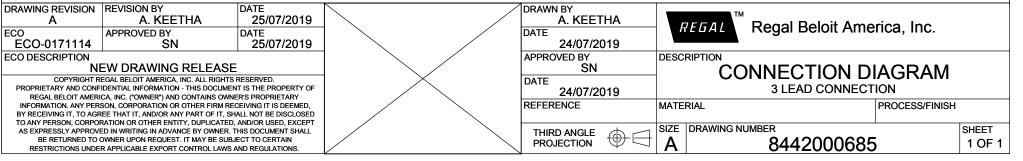
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GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
		Ī
	$\phi_4$ $\tau_4$ $\tau_6$ $h_4$ $\tau_6$ $h_{41}$	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	DUND LETTERS WILL BE BLACK.	
	INEAR SIZE OF THE TOLERANCE WITHOUT	
THE TOI FRANCE BY THE T		

- THE TOLERANCE BY THE TABLE.
- 4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T2 T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.



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									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
					CEF	RTIFICATION DATA SI	HEET					
CUSTOME ORDER #:								OMER P.O. #: CE MODEL #:	TCA5P52AP211G	AA009		
CONN. DIA OUTLINE: WINDING: SPEED:		8442000685 SS810118 IE3L1324201	NONE	3				CAT #: MER PART #: MOUNTING:	R	428B		-
					YPICAL	MOTOR PERFORMA						
HP 7.5	5.6	5YNC RPM 1800		. <b>RPM</b>		<b>FRAME</b> 132S		EFC	TYPE TCA 132SA04	KVA CODE		DESIGN
7.5	5.0	1800		115		1325		EFC	TCA 1323A04	J		IN
<b>PH</b> 3	HZ 60	<b>VOLTS</b> 575		MPS 7.9		START TYPE		ONT	INSL F	<b>S.F.</b> 1.15	AMB (° C) 40	ELEV.(Ft.) 3300
•												0000
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	91.7 69.0		1/2 LD EFF 1/2 LD PF	90.3 57.0	<b>GTD EFF</b> 90.5		ELECT. SQ CAGE IN		
F.L	. TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TOR	QUE	F.L. RIS	E (° C)	
22.2		58.7		54.2	LB-FT	244%	71.3	LB-FT	321%	75		
SOUND	PRESSURE @ 3 FT.	SOUND POWER	ROT	OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	STAR	rs/hour	APROX.	MOTOR WGT
65	dBA	74 dBA	1.10	LB-FT <sup>2</sup>	1.1	LB-FT <sup>2</sup>	10	SEC.		2	92	KG.
					*** SU	PPLEMENTAL INFORMA	TION ***					
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE		SEVERE DUTY	HAZARDOUS LOCATION		DRIP COVER	SCREENS	PAINT	
	ANDARD	STANDARD	B3	HORIZO		NO		IONE	NO	NONE		ENAMEL)
В	EARINGS											
DE	ODE	GREASE	SHAP	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL 6308	BALL 6208	POLYREX EM	STAN	DARD IEC		NONE	N	IONE	1045 HOT ROLLED (C-204)		CAST IRON	
THE	RMOSTATS	PROTECTORS	WDC	G RTD's		BRG RTD's	THER	MISTORS	CO	NTROL	SPACE	HEATERS
	NONE	NOT	N	ONE		NONE	N	IONE	F	ALSE	N	NA
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph)	Xm (o	ohms/ph)	VIBRAT	ION (in/sec)	FL4	OAT
	2.216	1.108	4	.894		6.278	12	0.219	0	.150	0	DE
* N O T								INV. HI	P SPEED RANGE:	CONSTANT 2:1/VA NONE	RIABLE 10:1	
ES*								ENCODER: NONE NONE			NONE	PPR
	PREPARED BY: DATE:	11/10/2020						FT-LB:	NONE	NOM	١E	
FORM: 35	31 REV_4	2/27/06				-	UL:	VOLTAGE: V - LI,ME-INS	CONST UL REC	ONE		HZ:
	_											



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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 : TCA5P52AP211GAA009

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

Catalog No : R428B

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