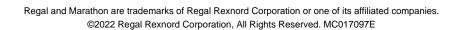
## PRODUCT INFORMATION PACKET



Model No: TCA7P51AP211GAA009 Catalog No: R430B

Cast Iron Motor, 10 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 132S Frame, TEFC









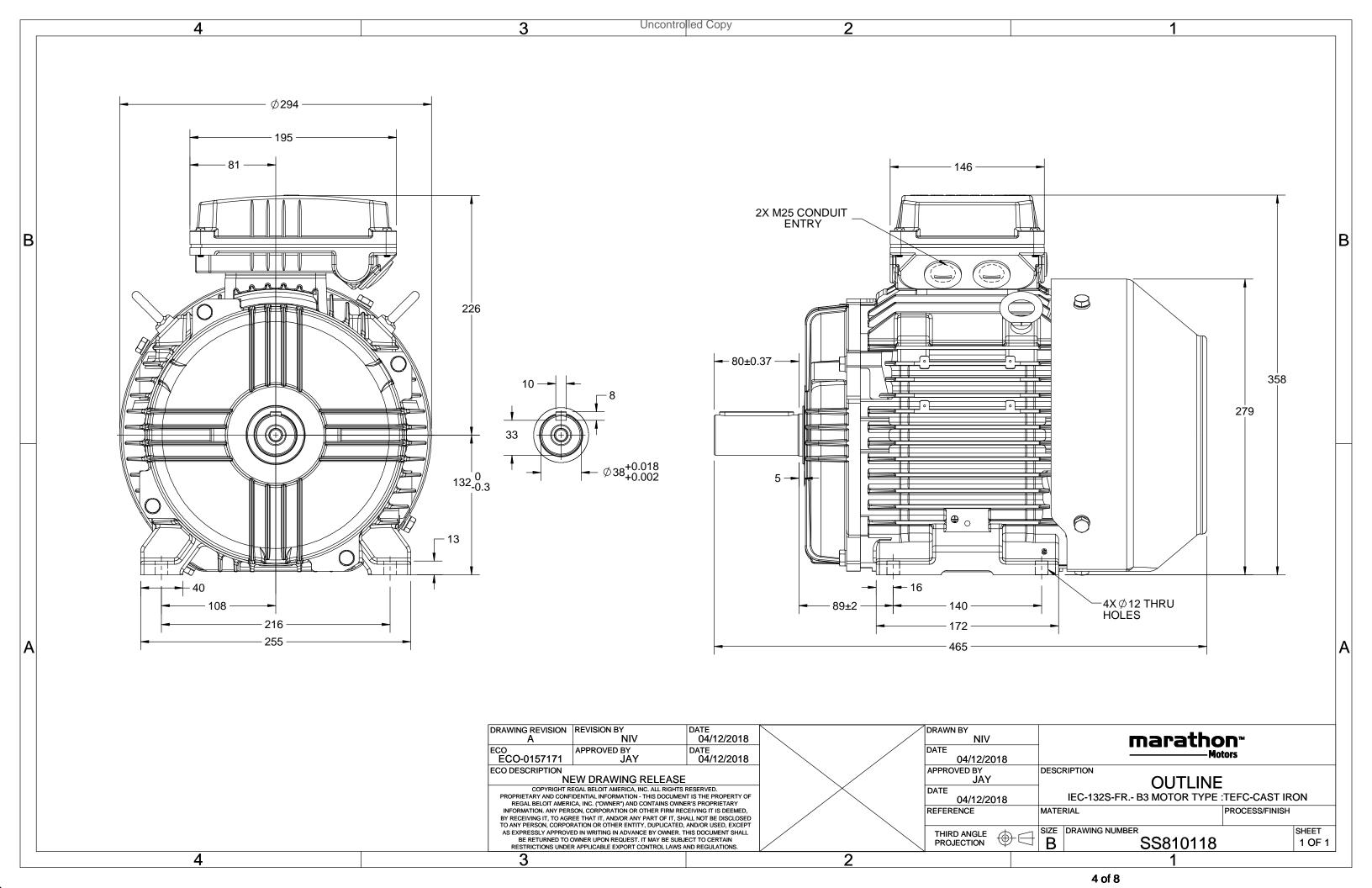
## Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.5 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	88
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

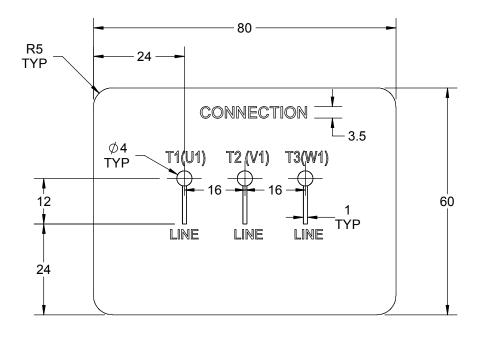
### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	1.24 Ohms	Mounting	В3
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

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:12/01/2022



GENER	RAL TOLERANCE					
	>0~6	±0.1				
LINEAR	>6~30	±0.2				
	>30~120	±0.3				



### NOTES:

- 1. PRESSURE-SENSITIVE ADHESIVE TAPE COATED WITH ANTI-ADHESIVE.
- 2. YELLOW COLOR BACK GROUND LETTERS WILL BE BLACK.
- 3. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT 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.

S. STILLING TO SILL STORES BE SISTEM.									
DRAWING REVISION A	REVISION BY A. KEETHA	DATE 25/07/2019			DRAWN BY A. KEETHA		Regal Beloit Ame	rico Inc	
ECO ECO-0171114	APPROVED BY SN	DATE 25/07/2019			DATE 24/07/2019		Regal Beloit Ame	ilica, ilic.	
ECO DESCRIPTION			1		APPROVED BY	DESC	RIPTION		
NEW DRAWING RELEASE					SN		CONNECTION D	IAGRAM	
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.		1	X	DATE					
PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY				24/07/2019		3 LEAD CONNECT	ION		
INFORMATION, ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED.				REFERENCE	MATE	RIAL	PROCESS/FINISH		
	REE THAT IT, AND/OR ANY PART OF IT,								
	RATION OR OTHER ENTITY, DUPLICAT				<u> </u>	1 SIZE	DRAWING NUMBER		OLIEET
	ED IN WRITING IN ADVANCE BY OWNE				THIRD ANGLE	1   3125			SHEET
	OWNER UPON REQUEST. IT MAY BE S		/		PROJECTION	⊺∣ Δ	8442000685	5	1 OF 1
RESTRICTIONS UNDE	R APPLICABLE EXPORT CONTROL LAV	VS AND REGULATIONS.	<b>I</b> /		J	·   <b>/</b>	0 <del>11</del> 200000	,	. 🗸 .



# **TerraMAX**<sup>™</sup>



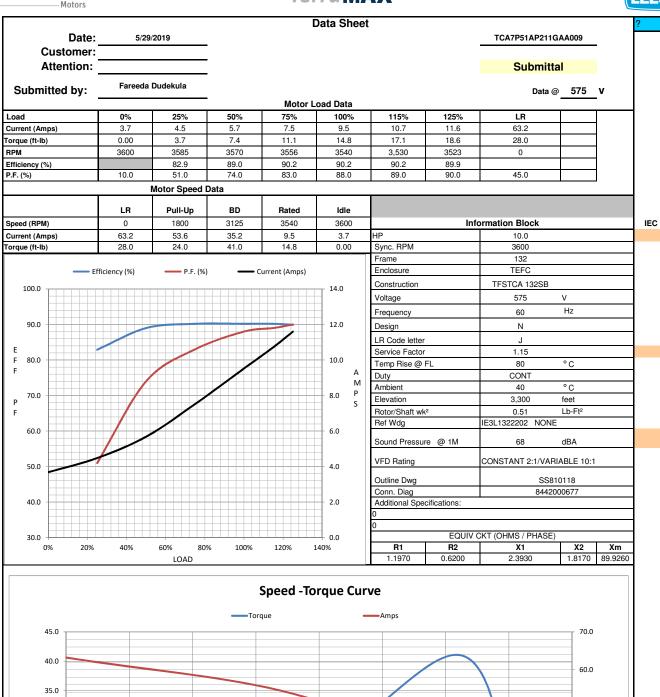
									P.O. BOX 8003			
							WAUSAU, WI 54401-8003					
									PH. 715-675-331	1		
									DATA VOLTS:	575		
					CE	RTIFICATION DATA SI	HEET					
CUSTOME								OMER P.O. #:				
ORDER #:							REFERENCE MODEL #: CAT #:					
CONN. DIA		8442000685							R	430B		
OUTLINE:		SS810118		_			CUSTOMER PART #:					
WINDING: SPEED:		IE3L1322202	NONE	3				MOUNTING:	F3			
SPEED:				-	VDICAL	MOTOR PERFORMA	NCE DA	ΤΛ				
	1				TPICAL	WOTOK PERFORMA	NCE DA	IA	1	1		1
HP	кw	SYNC RPM	FL	. RPM	FRAME		ENCLOSURE		TYPE KVA C		DDE	DESIGN
10	7.5	3600	3	3540		132S	Т	EFC	TCA 132SB02	J		N
PH	HZ	VOLTS	Δ	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		9.5		INE OR INVERTER		ONT	F	1.15	40	3300
							00111					
	F.L. EFF	90.2	3/4 LD EFF	90.2		1/2 LD EFF	89.0	GTD EFF		ELECT. T	YPE	
	F.L. PF	88.0	3/4 LD PF					F 74.0 88.7 SQ CAGE INV RATED				
	. TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TORG		QUE F.L. RISE		E (° C)	
14.8	LB-FT	63.2		28.0	LB-FT	189%	41.0	LB-FT	277%	80		
0011110	DECOUDE O A	1							1			
SOUND	PRESSURE @ 3 FT.	SOUND POWER	РОТ	OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SVEE S	TALL TIME	QTAD-	TS/HOUR	APROX.	MOTOR WGT
72	dBA	81 dBA	0.51	LB-FT <sup>2</sup>	0.51 LB-FT <sup>2</sup>		10 SEC.		2		85 KG.	
	4271	0. 42.0	,		0.01			020.	·			
					*** SU	PPLEMENTAL INFORMA	TION ***					
			MOUNT		HAZARDO							
		ODE BRACKET TYPE	TYPE	MOTOR ORIE		SEVERE DUTY	LOCATION		DRIP COVER	SCREENS	PAINT BLUE (ENAMEL)	
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (E	ENAMEL)
	EARINGS	I							1		1	
DE	ODE	GREASE	SHAI	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
BALL	BALL										+	
6308	6208	POLYREX EM	STANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST	RON
						-						
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WDG	DG RTD's BRG RTD's		BRG RTD's	THERMISTORS		CONTROL		SPACE HEATERS	
	NONE	NOT	N	NONE		NONE	NONE		FALSE		NA	
		·										
R1	(ohms/ph)	R2 (ohms/ph)		ohms/ph) X2 (ohms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT ODE	
	1.870	0.969	3	.739		2.839	14	0.509	] 0	).150	0	DE
*												
N								INV	FRTER TOROUE:	CONSTANT 2:1/VAF	RIABLE 10:1	
0							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
т									LLD IVAIOL.			
E								ENCODER:	NONE			
s								NONE				
*								NONE			NONE	PPR
								BRAKE:	NONE			
PREPARED BY:						NONE NONE						
	DATE:	11/10/2020						FT-LB:		NA		
						VOLTAGE: NONE HZ:						
FORM: 35	ORM: 3531 REV_4 2/27/06						UL: V - LI,ME-INS,CONST UL REC					

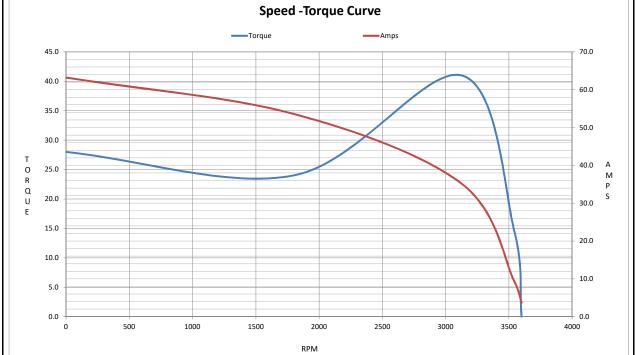














# **EC Declaration of Conformity**

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: TCA7P51AP211GAA009

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

Catalog No: R430B

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

**C**€ 22