# PRODUCT INFORMATION PACKET



Model No: TCA18P1AE211GAA009 Catalog No: R339B

Cast Iron Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 160L Frame,

TEFC





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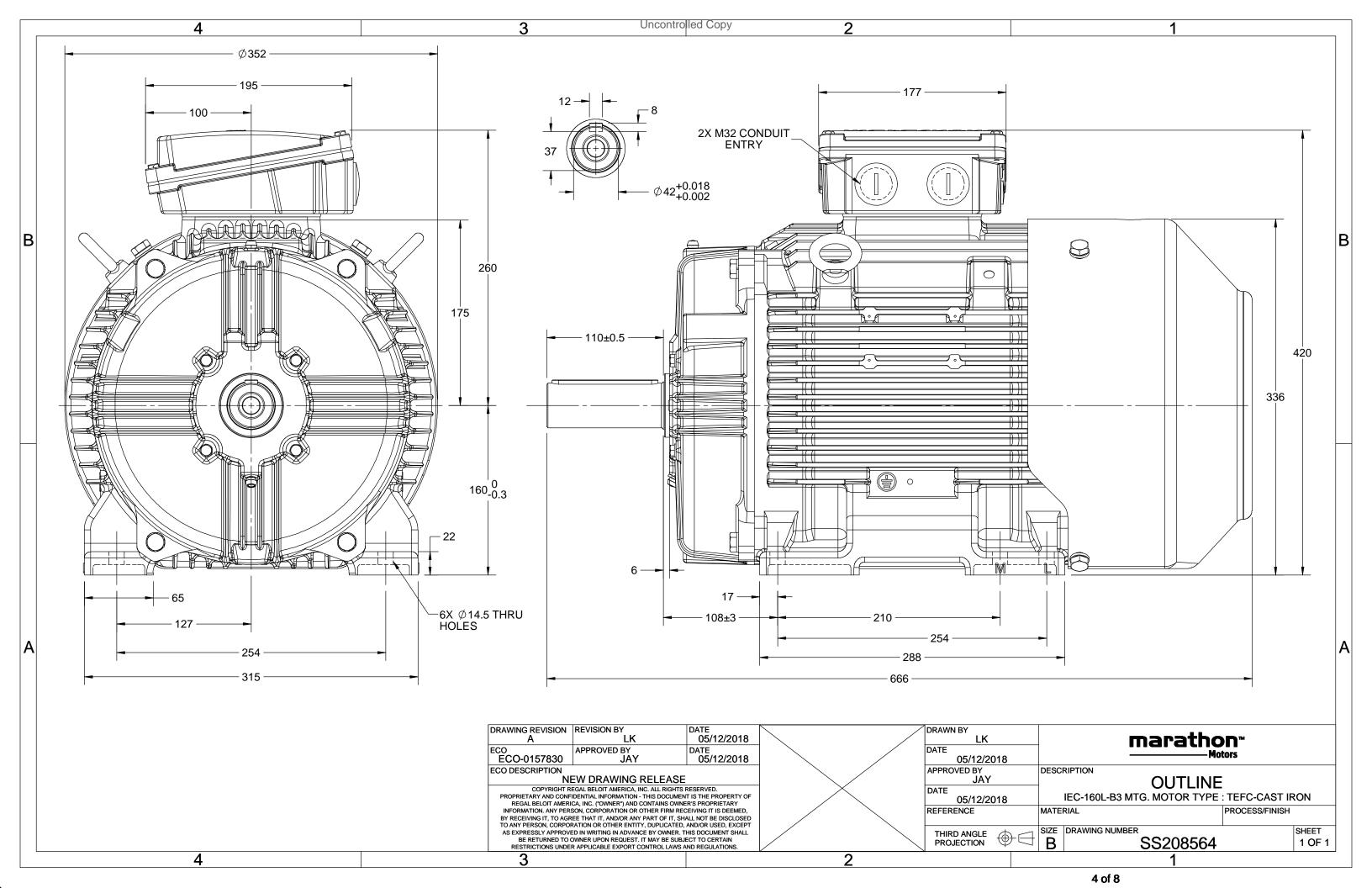
## Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp		
Output KW	18.5 & 14.9 kW	Voltage	230/460 & 200/400 V		
Speed	3550 & 2960 rpm	Service Factor	1.15 & 1.15		
Frame	160L	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91.7 & 91.9 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	56/28.1 & 53.5/26.7 A	Power Factor	90		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	Н		
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209		
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	.5 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	26.22 in		
Frame Length	11.73 in	Shaft Diameter	1.654 in		
Shaft Extension	4.33 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Outline Drawing SS208564		Connection Drawing	8442000715		

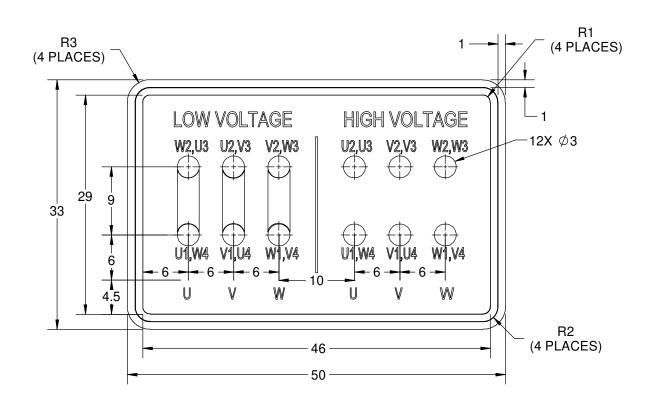
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

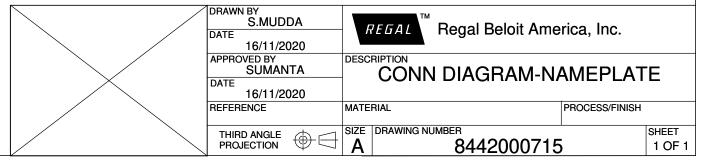
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



### NOTES:

- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. 1.
- 2.
- THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE 3. BY THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 4. 3mm SIZE
- OTHER LETTER FONT SIZE SHOULD BE 3.5mm. 5.

8WD.442.2017









									P.O. BOX 8003			
							WAUSAU, WI 54401-8003					
						PH. 715-675-3311						
									PH. /15-6/5-331	1		
									DATA VOLTS:	460		
									271171702101	100		
					CEF	RTIFICATION DATA SH	HEET					
сиѕтом	ED.						CUSTO	MER P.O. #:				
						_						_
ORDER #						F	REFERENC		TCA18P1AE2110			_
CONN. DI	AGRAM:	8442000677						CAT #:	R	339B		
OUTLINE:		SS208564					CUSTON	MER PART #:				
WINDING		IE3L1602203	NONE	1				MOUNTING:	E2			_
		IE3L 1002203	NONE	'				WOON HING.	гэ			
SPEED:												
				Т	YPICAL	MOTOR PERFORMAN	NCE DA	TA				
НР	kw	SYNC RPM	l FL	RPM		FRAME	ENCL	OSURE	TYPE	KVA C	DDE	DESIGN
25	18.5	3600	3	550		160L	т	EFC	TCA 160LA02	н		N
25	10.5	3000		1330	ļ	100L		LIC	TCA TOOLAGE			IN IN
L		T										
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	56/28.1	&53.5/26.7		LINE OR INVERTER	C	ONT	F	1.15	40	3300
				-					•			•
<b>—</b>	F. FFF	04.7	3/4 LD EFF	04.7	1	4015 ===	01.0	CTD FFF	I	EL EAT 3	TVDE	
<b>——</b>	F.L. EFF			91.7		1/2 LD EFF	91.8	GTD EFF	-	ELECT. 1		
	F.L. PF	90.0	3/4 LD PF	87.0		1/2 LD PF	80.0	90.5		SQ CAGE IN	/ RATED	
E1	TORQUE	LR AMPS @	460 V		I D	TORQUE		B.D. TOR	OUE	F.L. RISE	(° C)	
			400 V								<u>- (                                   </u>	
37.0	LB-FT	217		77.1	LB-FT	208%	114	LB-FT	308%	80		
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER	ROT	OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
75	dBA	84 dBA	1.90	LB-FT <sup>2</sup>	1.9 LB-FT <sup>2</sup> 7 SEC.		SEC	2		166 <b>KG</b> .		
	u.z.,	0. 42/	`		1.0	1		020.			100	1.0.
					*** ***							
					*** SU	PPLEMENTAL INFORMAT						
			MOUNT					RDOUS				
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORI		SEVERE DUTY		ATION	DRIP COVER	SCREENS		AINT
S	TANDARD	STANDARD	B3	HORIZO	NTAL	NO	No.	ONE	NO	NONE	BLUE (	ENAMEL)
		•	•								•	
_	EARINGS				1							
		GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL
DE	ODE											
BALL	BALL	DOLVDEY EM	M STANDARD IE		D IEC NONE			ONE	1045 HOT ROLLED (C-204)		CAST IDON	
6309	6209	POLYREX EM	STAINL	JAKD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
											-	
									1		1	
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WDG	RTD's		BRG RTD's	THER	MISTORS	co	NTROL		
NONE		NOT	NONE		NONE		NONE		FALSE			NA
		•									-	
D4	(ohms/ph)	R2 (ohms/ph)	V1 (a	hmo/nh\		V2 (ahma/ph)	Vm (a	hms/ph)	VIDDAT	ION (in/occ)		OAT
KI				(ohms/ph)		X2 (ohms/ph)			VIBRATION (in/sec)		FLOAT	
	0.318	0.125	0	.635		0.703	29	9.783	(	0.150	C	DDE
*												
N								INIVE	DTED TODOUE.	CONSTANT 2:1/VAF	2ΙΔΒΙ Ε 10·1	
								WADEL TO. I				
0						INV. HP	SPEED RANGE:	NONE				
Т												
E					ENCODER: NONE							
S					NONE							
*								NONE			NONE	PPR
*								NONE BRAKE:	NONE		NONE	: PPR
*	PREPARED BY:							BRAKE:		NON		: PPR
*	PREPARED BY:							BRAKE:	NONE	NON		: PPR
*	PREPARED BY: DATE:							BRAKE: FT-LB:	NONE	NA		
								BRAKE: FT-LB: VOLTAGE:	NONE			: PPR HZ:





O R Q U

60.0

40.0

20.0

0

500

1000

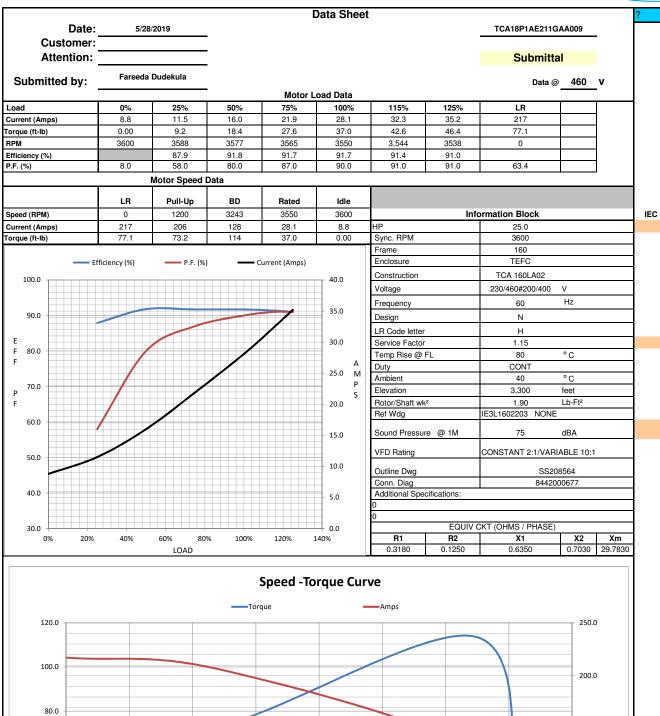
1500

2000

RPM







150.0

100.0

50.0

0.0

4000

Μ

3000

3500

2500



# **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: TCA18P1AE211GAA009

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

Catalog No: R339B

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:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer

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