## PRODUCT INFORMATION PACKET



Model No: TCA0112AE211GAA009

Catalog No: R334B

Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 160M Frame,

**TEFC** 





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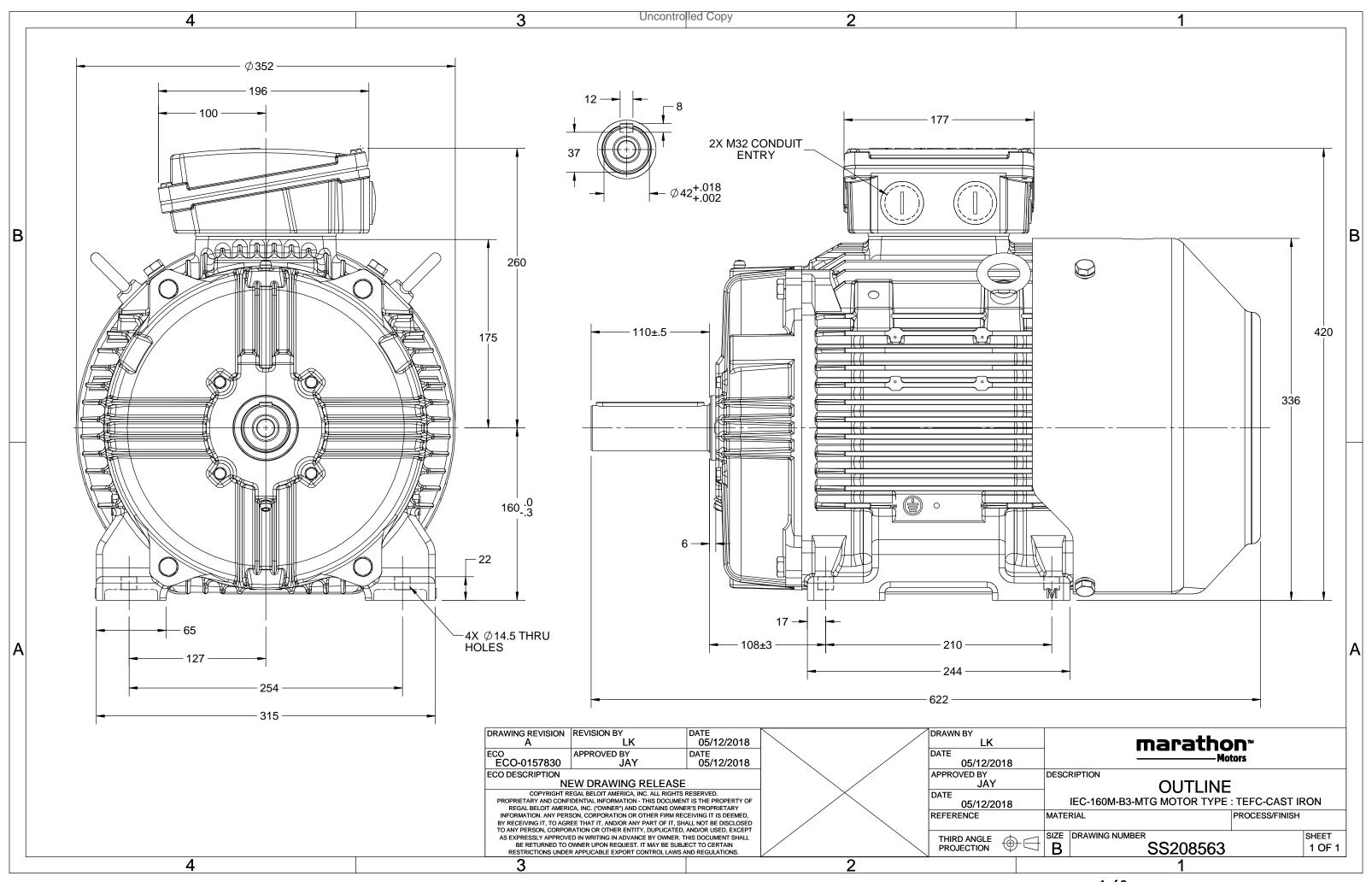
## Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp 230/460 & 200/400 V			
Output KW	11.0 & 7.5 kW	Voltage				
Speed	1775 & 1485 rpm	Service Factor	1.15 & 1.15			
Frame	160M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	92.4 & 90.4 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	37.5/18.7 & 33/16.4 A	Power Factor	80			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	J			
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	4	Rotation	Reversible		
Resistance Main	.69 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	24.49 in		
Frame Length	10.00 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	SS208563	Connection Drawing	8442000715		

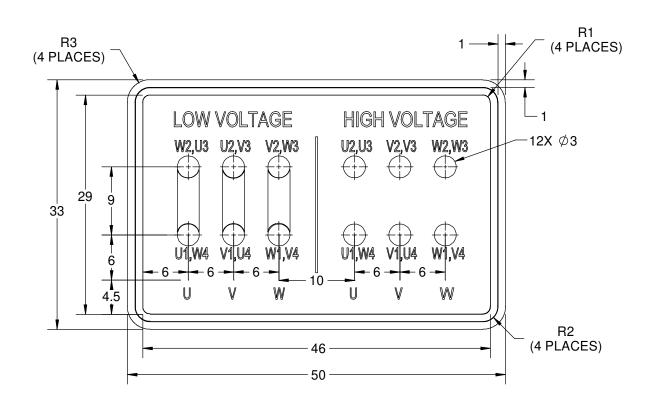
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

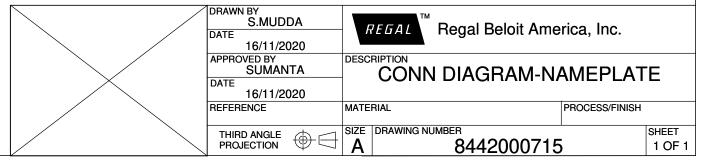
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



### 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





# **TerraMAX**<sup>™</sup>



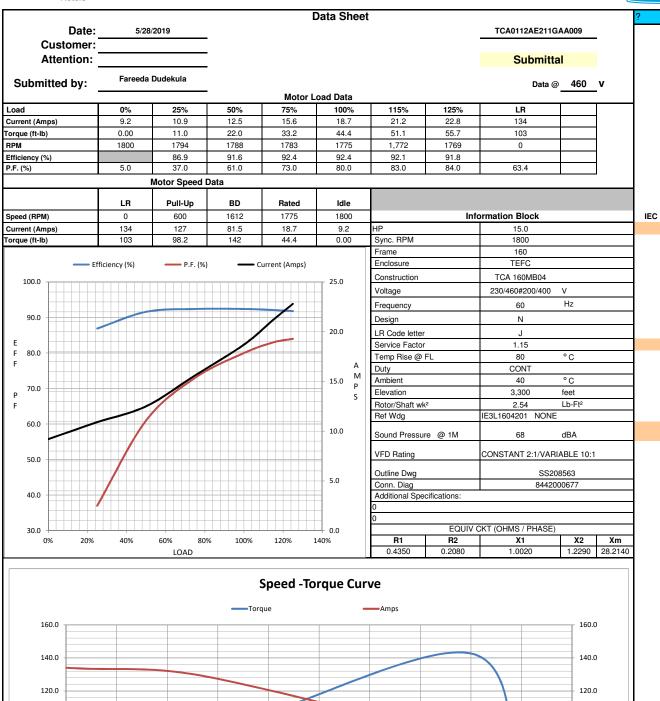
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
							PH. 715-675-3311					
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA S	HEET					
CUSTOME	R:							OMER P.O. #:				
ORDER #:							REFERENCE MODEL #:					
CONN. DIA	AGRAM:	8442000677						CAT #:	R	334B		
OUTLINE:		SS208563					CUSTOMER PART #:					
WINDING:		IE3L1604201	NONE	1				MOUNTING:	F3			
SPEED:												
				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
НР	кw	SYNC RPM		. RPM		FRAME	FNO	OCUPE	TYPE	10/4 0	DE.	DESIGN
ПР	KVV	STINC RPWI	FL	REW		FRAIVIE	ENCLOSURE		IIFE	KVA CODE		DESIGN
15	11.2	1800	1	775		160M	Т	EFC	TCA 160MB04	J		N
									•	•		•
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	37.5/18	.7&33/16.4	l l	INE OR INVERTER	L C	ONT	F	1.15	40	3300
	F.L. EFF	00.4	3/4 LD EFF	92.4		1/2 LD EFF	04.0	OTD FFF	I	ELECT. T	VDE	
	F.L. EFF		3/4 LD EFF			1/2 LD EFF				SQ CAGE INV		
	F.L. PF	80.0	3/4 LD PF	73.0		1/2 LD PF	61.0	91.3		SQ CAGE INV	RATED	
	TORQUE	LR AMPS @	460 V		I D	TORQUE		B D TOP	OUE	F.L. RISE	(° C)	l
	LB-FT	134	400 V	103	LB-FT	232%	B.D. TORQUE 142 LB-FT		320%	80 80	.( 6)	
44.4	LD-I I	104		103	LD-I I	232 /0	142	LD-I I	32070	00		l
SOUND F	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
68	dBA	77 dBA	2.54	LB-FT <sup>2</sup>	2.54	LB-FT <sup>2</sup>	10	SEC.		2	148	KG.
					*** SU	PPLEMENTAL INFORMA						
DE BRACKET TYPE ODE BRACKET TYPE TYPE MOTOR			OTOR ORIENTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT			
	ACKET TYPE ANDARD	ODE BRACKET TYPE STANDARD	B3		71 OIL OILIEILININGIL			ONE	NO NO	NONE	BLUE (ENAMEL)	
31	ANDARD	STANDARD	БЭ	HORIZO	NIAL	NO	IN IN	ONE	NO	INOINE	BLUE (I	INAIVIEL)
BI	EARINGS											
DE .	ODE	GREASE	SHAF	T TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL								1045 HOT ROLLED (C-204)			
6309	6209	POLYREX EM	STANI	DARD IEC		NONE	N	ONE	1045 HOT F	ROLLED (C-204)	CAST	T IRON
									•		•	
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WDC	RTD's		BRG RTD's	THER	MISTORS	CO	NTROL		
	NONE	NOT	N	ONE		NONE	N	ONE	F.	ALSE	1	۱A
R1 (ohms/ph) R2 (ohms/ph)				(ohms/ph) X2 (ohms/ph)			hms/ph)	VIBRATION (in/sec)		FLOAT		
	0.435	0.208	1	.002		1.229	28	3.214	] (	).150	0	DE
*												
								INIX	EDTED TODOUE.	CONSTANT 2:1//AF	2ΙΔΒΙ Ε 10·1	
N O				INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE								
т							114 V. 111	F SFEED RANGE.	NONE			
Ē								ENCODER:	NONE			
S								NONE				
*								NONE			NONE	PPR
								BRAKE:	NONE			
	PREPARED BY:								NONE	NON	F	
	DATE:	11/16/2020						FT-LB:		NA		
	<b></b>							VOLTAGE:		IONE		HZ:
FORM: 35	31 REV_4	2/27/06					UL:		CONST UL REC			

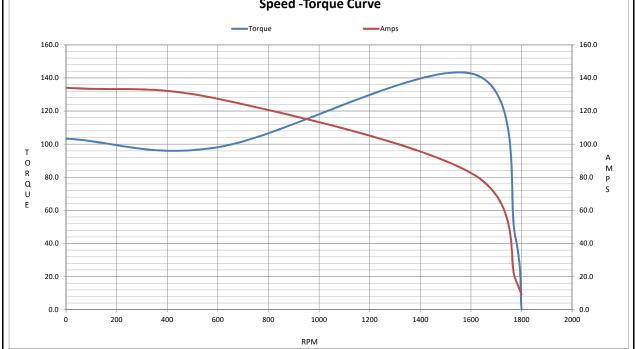
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# **EC Declaration of Conformity**

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: TCA0112AE211GAA009

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

Catalog No: R334B

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:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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