## PRODUCT INFORMATION PACKET



Model No: TCA0153AE211GAA009

Catalog No: R338B

Cast Iron Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 180L Frame,

TEFC





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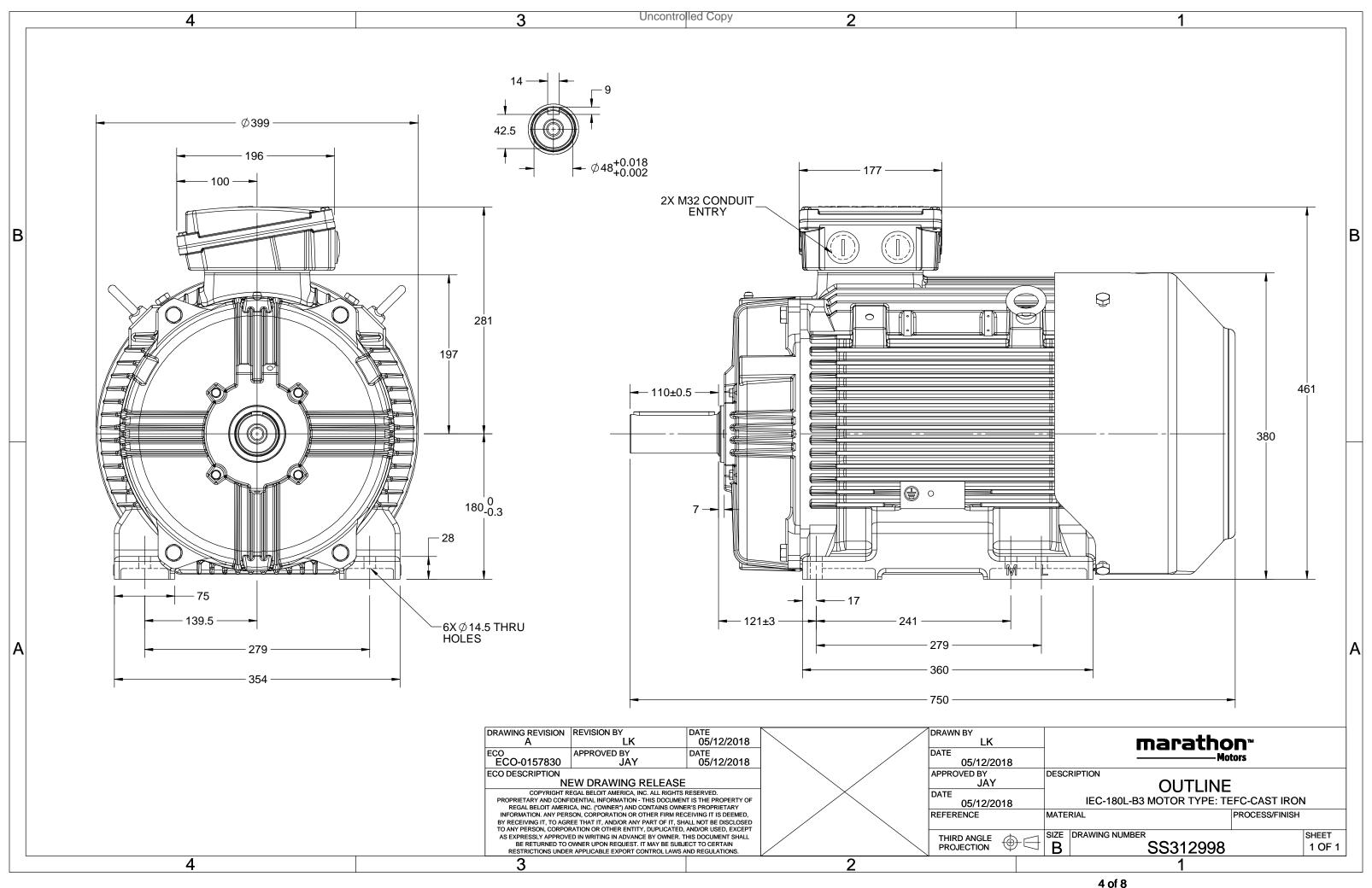
### Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp		
Output KW	15.0 & 11.0 kW	Voltage	230/460 & 200/400 V		
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15		
Frame	180L	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91.7 & 90.3 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	53.5/26.7 & 48/24.1 A	Power Factor	77		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	F		
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211		
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	6	Rotation	Reversible		
Resistance Main	.56 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	29.53 in		
Frame Length	14.41 in	Shaft Diameter	1.890 in		
Shaft Extension	4.33 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000715	Outline Drawing	SS312998		

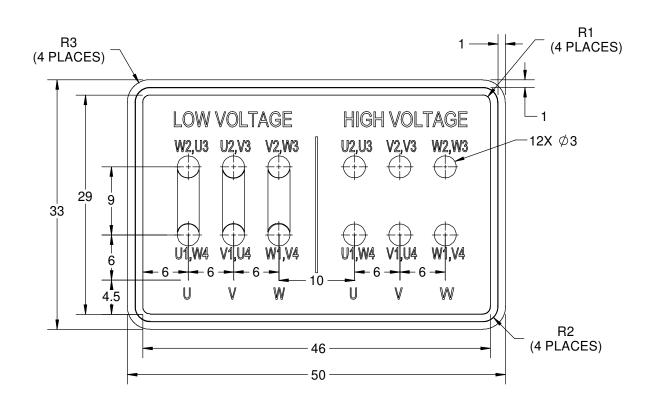
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

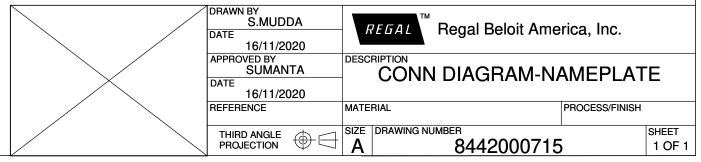
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



### 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>



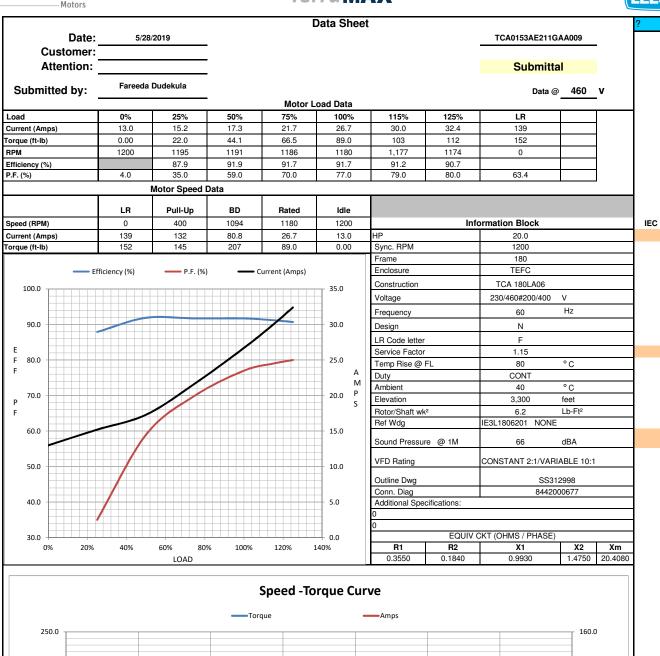
							P.O. BOX 8003					
					WAUSAU, WI 54401-8003							
							PH. 715-675-331	ı				
									DATA VOLTS:	460		
					CEI	RTIFICATION DATA SI	HEET					
CUSTOME	R:						CUST	OMER P.O. #:				
ORDER #:							REFEREN	CE MODEL #:	TCA0153AE211G	AA009		
CONN. DIA	AGRAM:	8442000677		•				CAT #:	R	338B		•
OUTLINE:		SS312998					CUSTO	MER PART #:				
WINDING:		IE3L1806201	NONE	1				MOUNTING:				•
SPEED:												
		•		T	YPICAL	MOTOR PERFORMA	NCE DA	TA				
HP	кw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE TYPE		TYPE	KVA CO	DDE	DESIGN
20	14.9	1200	١.,	1180		180L		EFC	TCA 180LA06	F		N
20	14.5	1200		1100		1002	'	LIC	TCA TOOLAGO	1		IN.
PH	HZ	VOLTS	Δ	MPS		START TYPE	г	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		.7&48/24.1		INE OR INVERTER		ONT	F	1.15	40	3300
	55/55	200, 100#200/400	30.0/20	3.0,2 (.1		OITHITE TITLE			· '	0		2300
	F.L. EFF	Q1 7	3/4 LD EFF	91.7		1/2 LD EFF	91.9	GTD EFF		ELECT. T	VPF	
	F.L. PF		3/4 LD PF	70.0		1/2 LD PF	59.0	90.5		SQ CAGE INV		
	1.6.71	11.0	3/4 LD F1	70.0		1/2 ED F1	33.0	30.5		3Q CAGE IIV	INTLD	
	TORQUE	L D 444D0 G	1001/	1		TORQUE		B.D. TOR	0115	E.L. DIOE	(0.0)	I
		LR AMPS @	460 V	.=-						F.L. RISE (° C)		
89.0	LB-FT	139		152	LB-FT	171%	207	LB-FT	233%	80		
COLINID	PRESSURE @ 3								1			
SOUND	FT.	SOUND POWER	BOT	OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	CAEE	TALL TIME	CTAD.	rs/Hour	APROX.	MOTOR WGT
				LB-FT <sup>2</sup>	6.2	LB-FT <sup>2</sup>			STAR			
56	dBA	65 <b>dBA</b>	6.2	LB-FI	6.2	LB-F1	15	SEC.		2	216	KG.
					*** 011	PPLEMENTAL INFORMA	TION ***					
		I	MOUNT	ı	50	PPLEMENTAL INFORMA		ARDOUS	1		ı	
DERR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	MOITATION	SEVERE DUTY		ATION	DRIP COVER	SCREENS	PA	INT
	ANDARD	STANDARD	B3	HORIZON		NO		ONE	NO	NONE		NAMEL)
- 01	MINDAIND	GIANDAND	1 50	HOMEON	IIAL	110		ONL	110	HOHE	DEOL (E	_iv/uville)
	EARINGS		I	I							I	
DE	ODE	GREASE	SHAF	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
BALL	BALL								+		+	
6311	6211	POLYREX EM	STANI	DARD IEC	NONE		NONE 1045 HOT		OT ROLLED (C-204) CAS		IRON	
0311	0211											
				I							I	
THE	RMOSTATS	PROTECTORS	WDC	G RTD's		BRG RTD's	THEP	MISTORS	COL	NTROL	SPACE	HEATERS
	NONE	NOT		ONE		NONE		ONE		ALSE		IA.
	ITOINE	IVUI	I IN	OINE		INOINE	- IN	OINL	- F	LOL	I	1/1
P1	(ohme/nh)	R2 (ohms/ph)	¥1 (a	hms/ph)		X2 (ohms/ph)	Ym /	hms/ph)	VIRDAT	ON (in/sec)	FLOAT	
		0.184		0.993 1.475			0.408	0.150		ODE		
	0.000	0.104	1 0			1.410		J. <del>T</del> JU	1 0	. 100		<i>-</i>
*												
N.								INIX	EDTED TODOUE.	CONSTANT 2:1//AF	NARI Ε 10:1	
N O				INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE								
T								INV. FI	F SFEED RANGE:			
									NONE			
E								ENCODER:	NONE			
S					NONE							
*								NONE			NONE	PPR
l								BRAKE:				
l	PREPARED BY:						NONE NONE					
	DATE:	11/16/2020					FT-LB: NA					
l							VOLTAGE: NONE HZ:					
FORM: 35	FORM: 3531 REV_4 2/27/06				UL: V - LI,ME-INS,CONST UL REC							

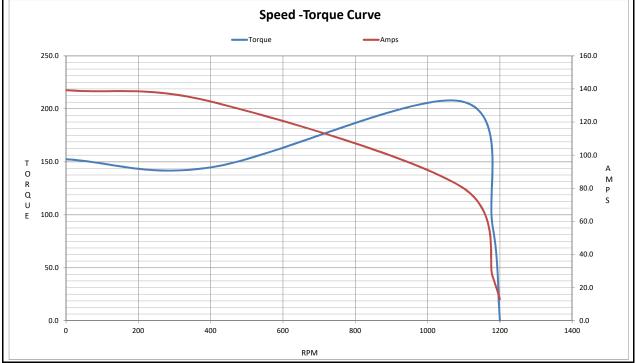
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# **EC Declaration of Conformity**

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: TCA0153AE211GAA009

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

Catalog No: R338B

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. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

(€ 22