PRODUCT INFORMATION PACKET

Model No: TCA18P2AE211GAA009 Catalog No: R340B Cast Iron Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 180M Frame, TEFC



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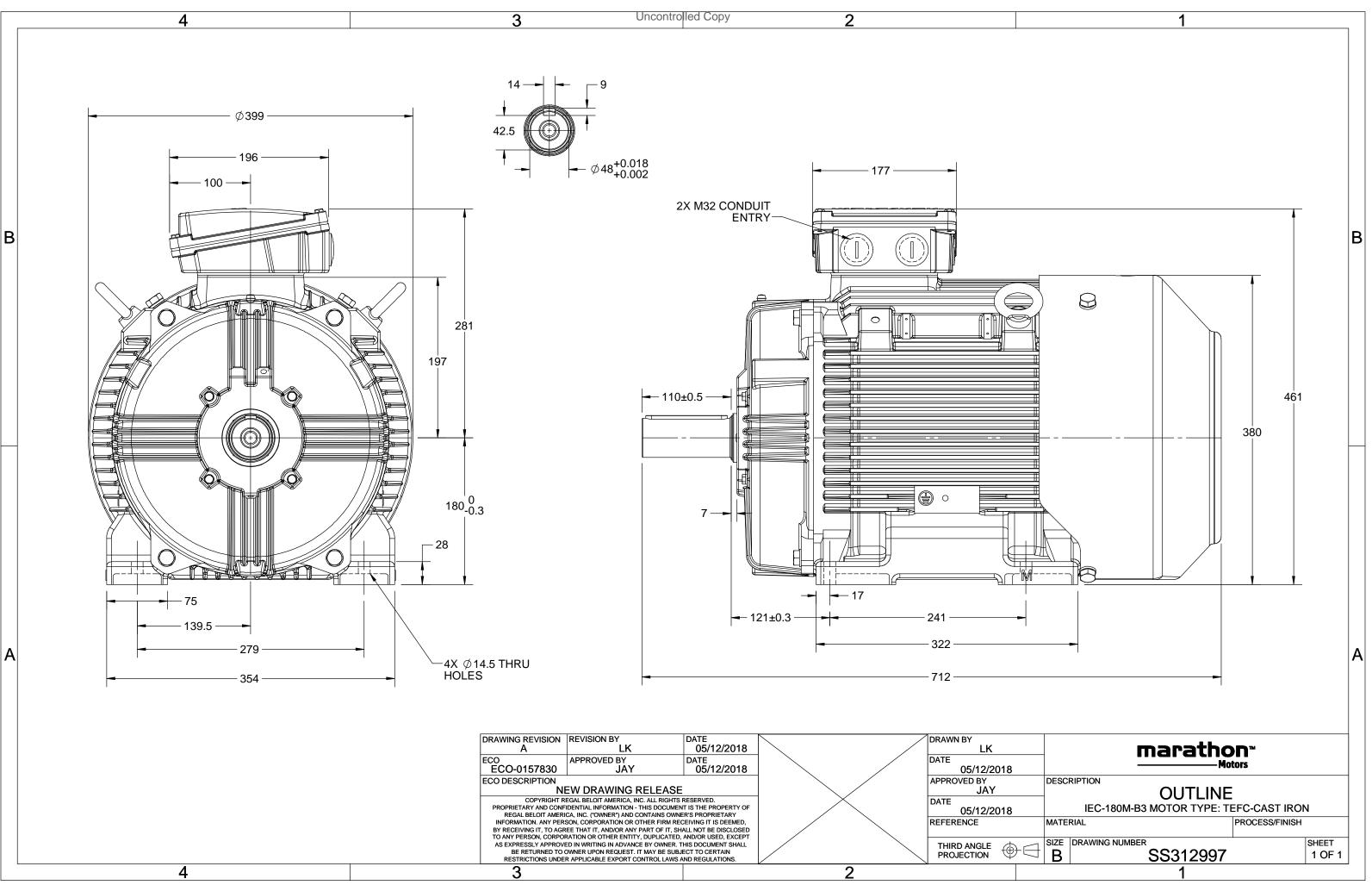
Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp 230/460 & 200/400 V			
Output KW	18.5 & 15.0 kW	Voltage				
Speed	1780 & 1485 rpm	Service Factor	1.15 & 1.15			
Frame	180M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	93.6 & 92.1 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	62/31 & 59.5/29.8 A	Power Factor	81			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	J			
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211			
UL	Recognized	CSA	N			
CE	Y	IP Code	55			
Number of Speeds	1	Efficiency Class	IE3			

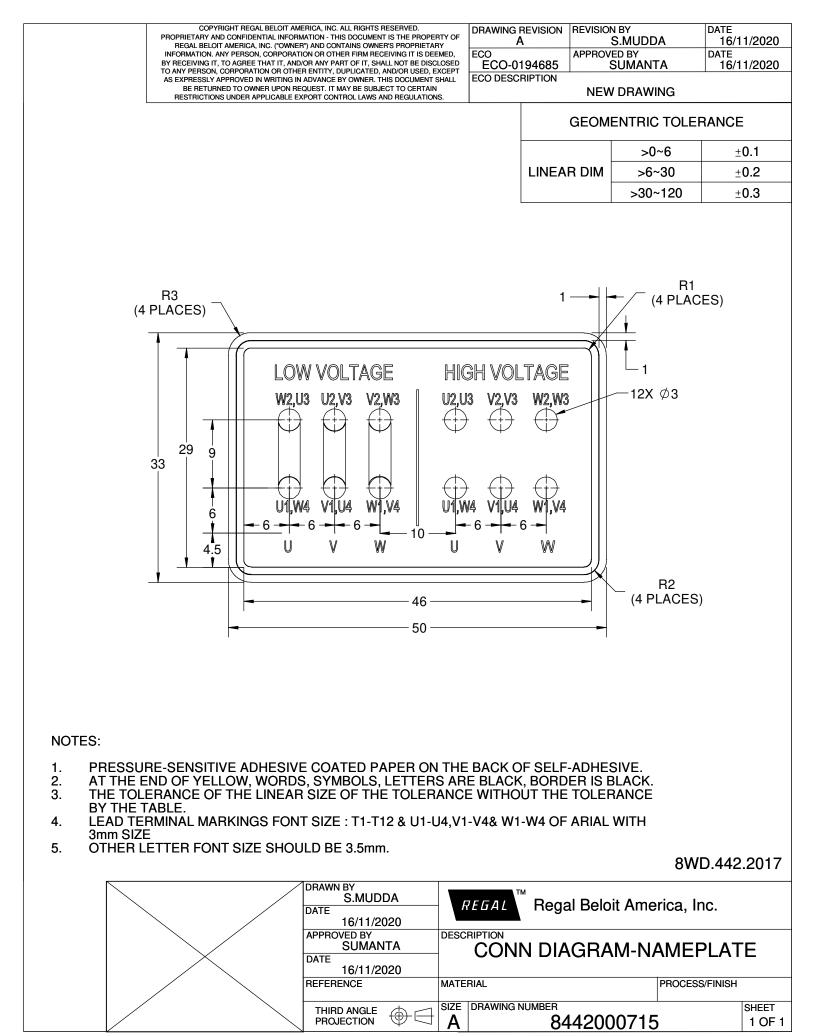
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter Reversible		
Poles	4	Rotation			
Resistance Main	.32 Ohms	Mounting	B3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	28.03 in		
Frame Length	12.91 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	SS312997		

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									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
CUSTOMER: ORDER #: CONN. DIAGRAM: OUTLINE:		8442000677 SS312997		CERTIFICATION DATA S			CUSTOMER P.O. #:		TCA18P2AE211GAA009 :: R340B			
WINDING: SPEED:		IE3L1804201	NONE					MOUNTING:				
						MOTOR PERFORMA						
НР 25	КЖ 18.7	5YNC RPM 1800		RPM FRAME 780 180M			EFC	TYPE TCA 180MA04	KVA CODE		DESIGN N	
25	10.7	1800		1760		100101		EFC	TCA TOUWAU4	JJ		IN
РН	HZ	VOLTS	4	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		\$59.5/29.8		INE OR INVERTER		ONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF			1/2 LD EFF	92.9	GTD EFF		ELECT. 1		
	F.L. PF	81.0	3/4 LD PF	74.0		1/2 LD PF	63.0	92.6		SQ CAGE IN	/ RATED	
EI	TORQUE	LR AMPS @	460 V	1	I P	TORQUE		B.D. TOR		F.L. RISI	(° C)	
73.7		231	400 V	175	LB-FT	237%	242	LB-FT	328%	80	-(0,	
											1	
SOUND F	PRESSURE @ 3 FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	rs/hour	APROX.	MOTOR WGT
68	dBA	77 dBA	5.2	LB-FT ²	5.2	LB-FT ²	12	SEC.		2	231	KG.
			`		*** SU	PPLEMENTAL INFORMA					1	
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE		R ORIENTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER	SCREENS	PAINT	
	ANDARD	STANDARD	B3	HORIZO		NO		ONE	NO	NONE		ENAMEL)
				•								
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	ATERIAL
DE	ODE BALL						-					
BALL 6311	6211	POLYREX EM	STAN	DARD IEC	NONE		NONE 1045 HOT		1045 HOT R	ROLLED (C-204) CA		RON
THE	RMOSTATS	PROTECTORS	WD	G RTD's		BRG RTD's	THER	MISTORS	0	NTROL	SPACE	HEATERS
	NONE	NOT		IONE		NONE		ONE		ALSE	1	IA
				-							•	
R1	(ohms/ph)	R2 (ohms/ph)		hms/ph)		X2 (ohms/ph)		ohms/ph)		ION (in/sec)		OAT
	0.193	0.102	C	.590		0.840	1	3.244	0	.150	0	DE
*												
N 0 T					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
E S								ENCODER: NONE	NONE		Nous	
-								NONE BRAKE:	NONE		NONE	PPK
PREPARED BY:						NONE	NON	IE				
	DATE:	11/16/2020						FT-LB:		NA		
								VOLTAGE:		ONE		HZ:
FORM: 35	31 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 : TCA18P2AE211GAA009

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

Catalog No : R340B

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