PRODUCT INFORMATION PACKET

Model No: TCA0113AE231GAA009 Catalog No: R835 TerraMAX® Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 160L Frame, TEFC



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Motors



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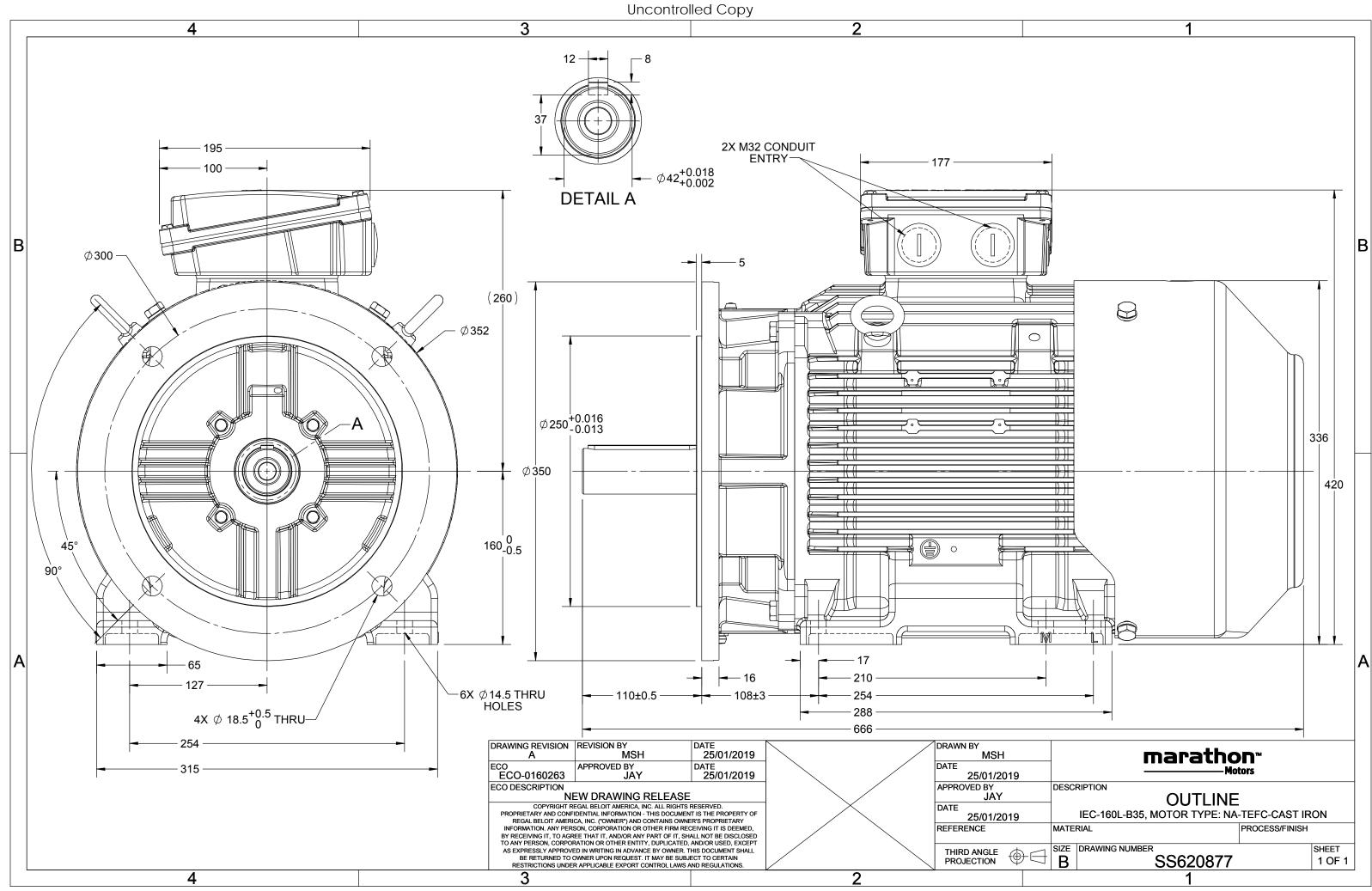
Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp			
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V			
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15			
Frame	160L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91.7 & 89.1 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	38/19.1 & 33.5/16.8 A	Power Factor	79			
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			

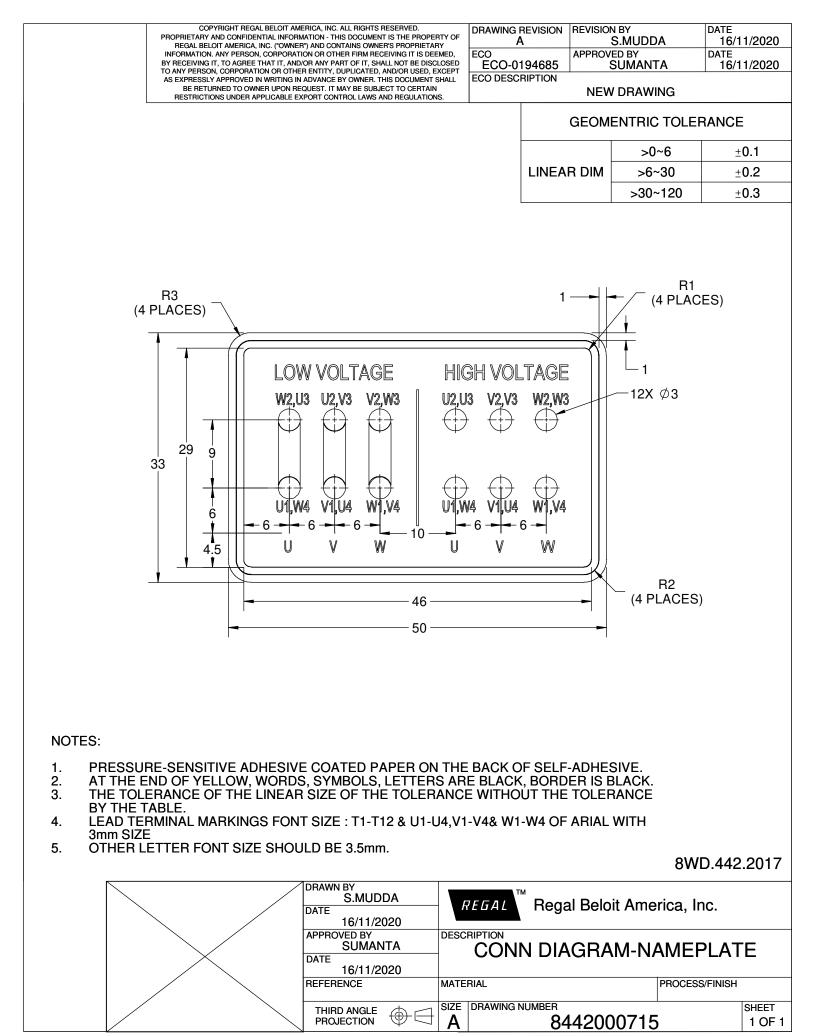
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	6	Rotation	Reversible			
Resistance Main	.59 Ohms	Mounting	B3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Shaft Diameter	42.000 in			
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing	8442000715	Outline Drawing	SS620877			

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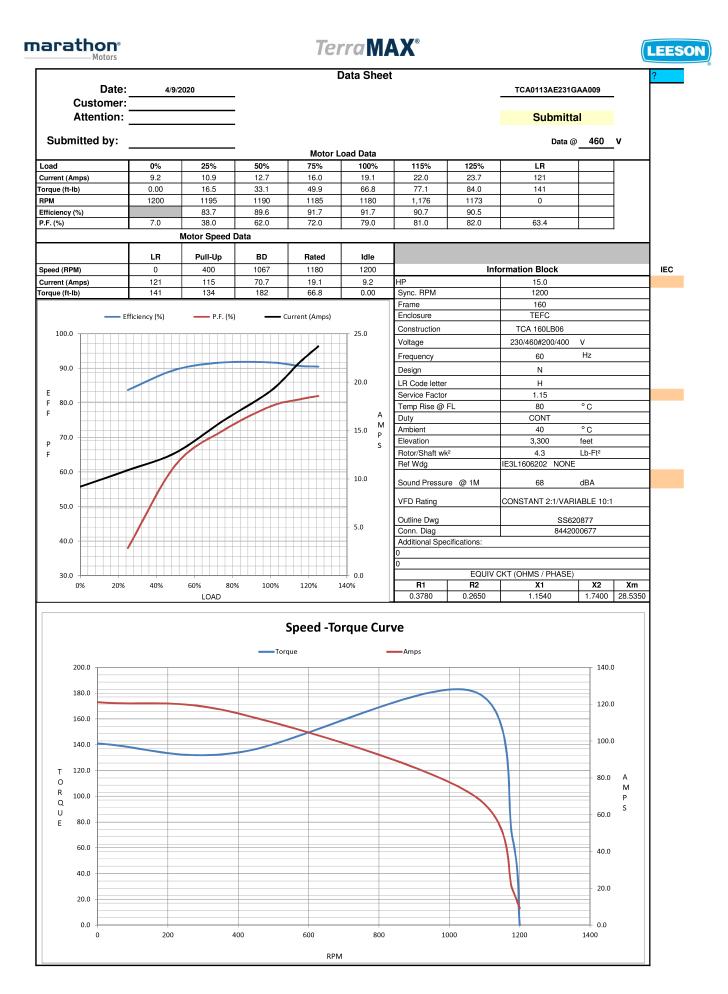




									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING: SPEED:	AGRAM:	8442000677 SS620877 IE3L1606202	NONE				CUST REFEREN CUSTO	CAT #: MER PART #: MOUNTING:	TCA0113AE231G	AA009 8835		! - !
НР	кw	SYNC RPM	FL	. RPM	TPICAL	MOTOR PERFORMA			ТҮРЕ	KVA C	DDE	DESIGN
15	11.00	1200		1180		160L TEFC TCA 160LB06		н	H N			
РН 3	HZ 60/50	VOLTS 230/460#200/400		MPS &33.5/16.8		START TYPE		ONT	INSL F	S.F. 1.15	AMB (° C) 40	ELEV.(Ft.) 3300
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF			1/2 LD EFF 1/2 LD PF	89.6 62.0	GTD EFF 90.5	ELECT. TYPE SQ CAGE INV RATED			
F.L . 66.8	. TORQUE LB-FT	LR AMPS @ 121	460 V	141	L.R. LB-FT	211%	182	B.D. TORC LB-FT	272%	F.L. RISE (° C) 80		
	PRESSURE @ 3 FT.	SOUND POWER	ROT 4.3	OR WK ² LB-FT ²		MAX. LOAD WK ²		TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT
68	dBA	77 dBA				PPLEMENTAL INFORMA		SEC.		2	179	KG.
	ACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE		SEVERE DUTY	LOC	ARDOUS CATION	DRIP COVER	SCREENS		INT
FF-FI	LANGE-300	STANDARD	B3	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (E	ENAMEL)
DE	EARINGS ODE	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL 6309	BALL 6209	POLYREX EM	STAN	DARD IEC		NONE	N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
	RMOSTATS	PROTECTORS NOT		G RTD's		BRG RTD's		MISTORS		CONTROL SPACE		HEATERS
	(ohms/ph)	R2 (ohms/ph)		hms/ph)		X2 (ohms/ph)		ohms/ph)		ION (in/sec)		OAT
	0.378	0.265		.154		1.740		3.535		.150		DE
* N O T								INV. HF	SPEED RANGE:	CONSTANT 2:1/VAF NONE	RIABLE 10:1	
E S *								ENCODER: NONE NONE			NONE	PPR
	PREPARED BY: DATE:	11/27/2020						FT-LB:	NONE	NON	E	
FORM: 3531 REV_4 2/27/06					VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC HZ: HZ:							

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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 : TCA0113AE231GAA009

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

Catalog No : R835

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