PRODUCT INFORMATION PACKET

Model No: TCA0112AE251GAA009 Catalog No: R934 TerraMAX® 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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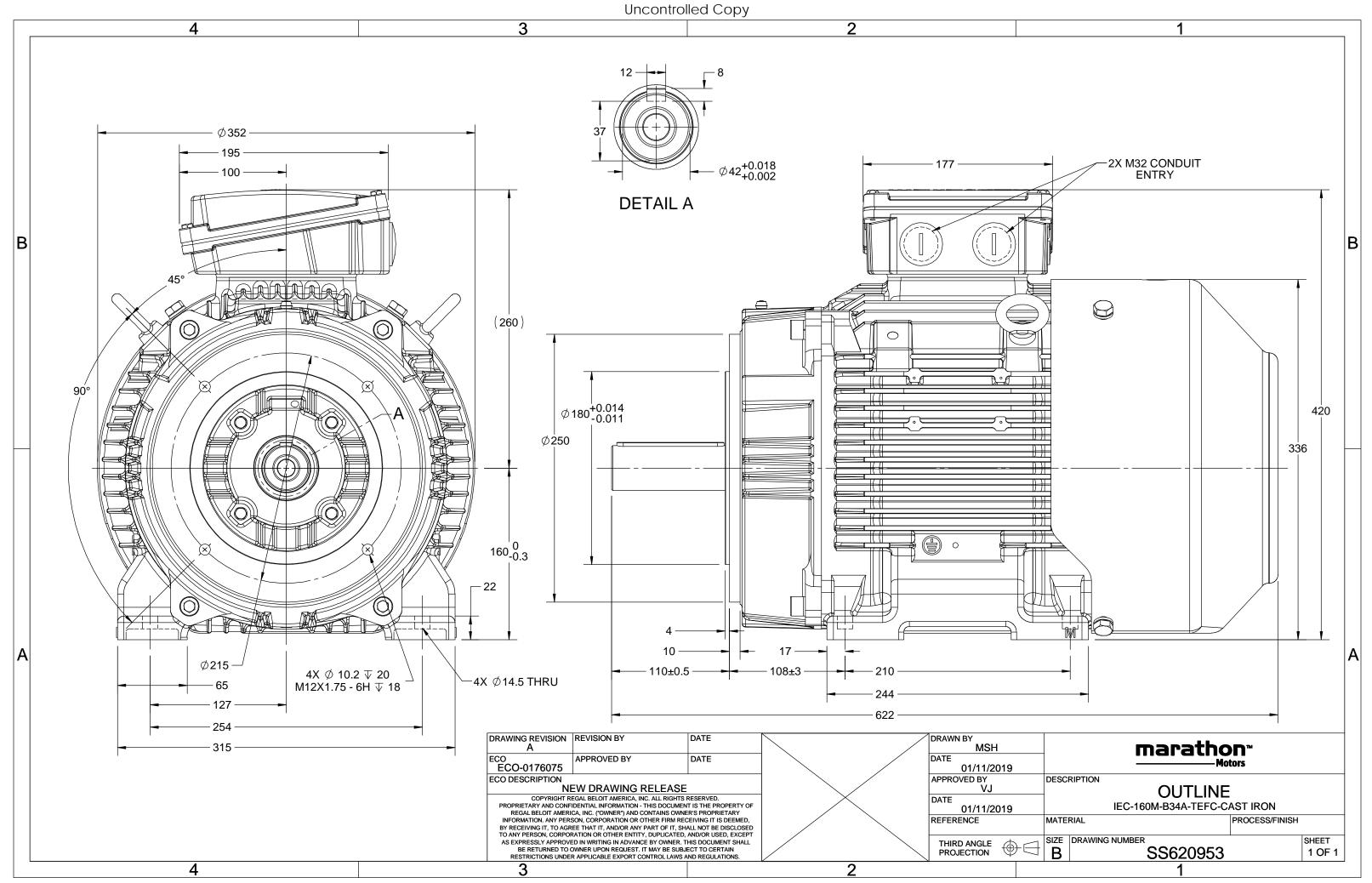
Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V
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	Y	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

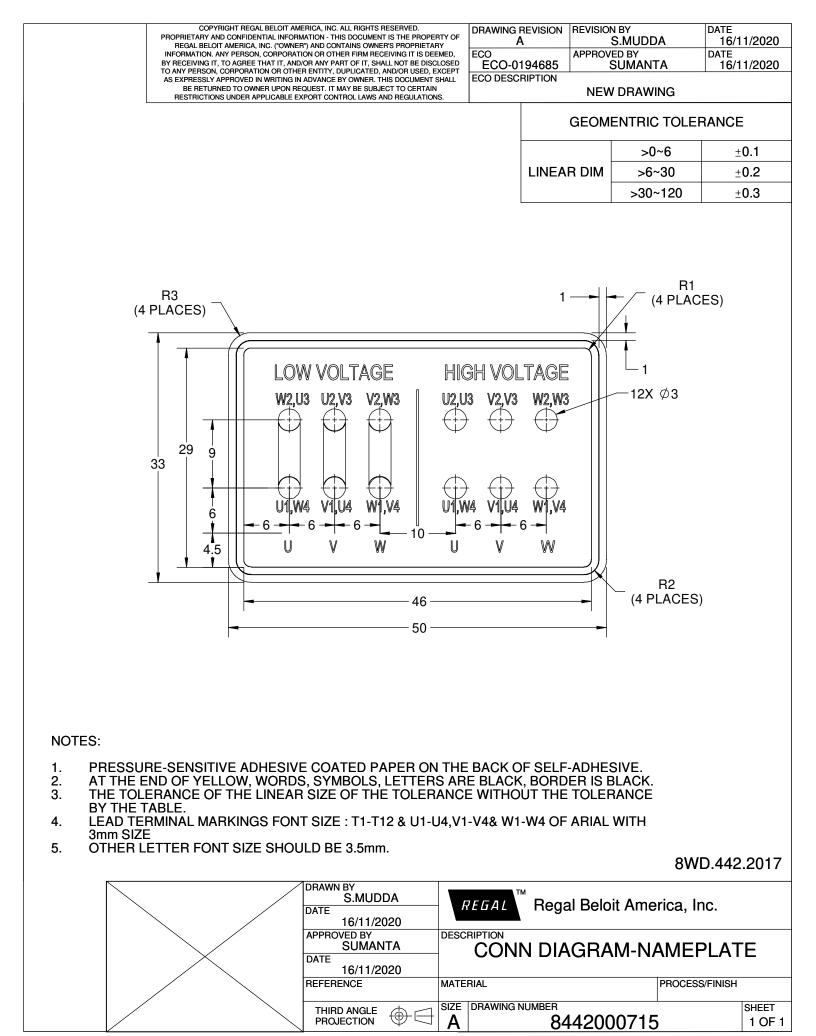
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	4	Rotation	Reversible		
Resistance Main	.69 Ohms	Mounting	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	SS620953		

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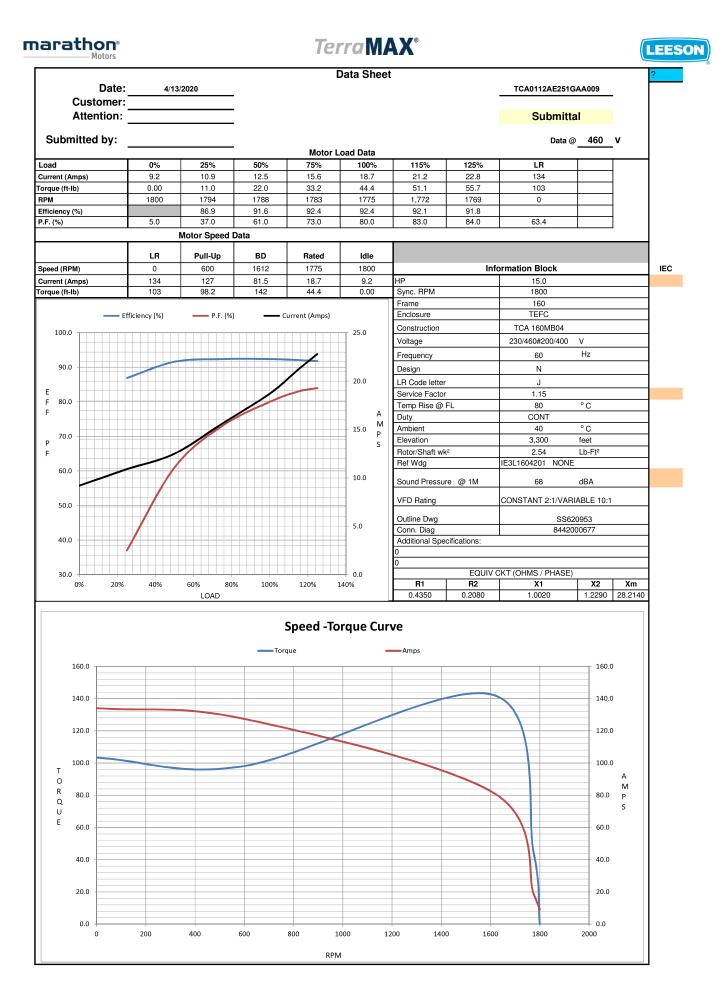




									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
								PH. 715-675-3311				
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA SI	HEET					
CUSTOME	·R·						CUST	OMER P.O. #:				
ORDER #:									TCA0112AE251G/	AA009		
-		8442000677				CAT #:						
OUTLINE:		SS620953					CUSTOMER PART #: MOUNTING:					
WINDING:		IE3L1604201	NONE	1	1							
SPEED:		12321004201	NONE					MOONTING.	10			
OI LLD.				T	PICAL	MOTOR PERFORMA		TA				
HP	ĸw	SYNC RPM	FL	. RPM		FRAME ENCLOSU		LOSURE	ТҮРЕ	KVA CODE		DESIGN
15	11.00	1800	1	775		160M	TEFC		TCA 160MB04	J		N
РН	HZ	VOLTS	٨	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		.7&33/16.4		LINE OR INVERTER		ONT	F	1.15	40	3300
5	00/30	230/400#200/400	37.3/10	.7833/10.4						1.15	40	3300
	F.L. EFF	92.4	3/4 LD EFF	92.4		1/2 LD EFF	91.6	GTD EFF		ELECT. T	YPF	
	F.L. PF		3/4 LD PF	73.0		1/2 LD PF	61.0	91.3		SQ CAGE IN		
		00.0	0.4 20 11	10.0			01.0	01.0			101120	
FI	. TORQUE	LR AMPS @	460 V		L.R. TORQUE B.D. TOR		OUE	F.L. RISE	(° C)			
	LB-FT	134	400 ¥	103 L	LB-FT	232%	142	LB-FT	320%	80	-(0)	
44.4	20-11	104		100		20270	142	20-11	02070	00		
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER	ROTO	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	rs/hour	APROX.	MOTOR WGT
68	dBA	77 dBA 2.54 LB-FT ²		LB-FT ²	2.54 LB-FT ² 10 SEC.		2		151	KG.		
			•									
					*** SU	PPLEMENTAL INFORMA	TION ***					
		MOUNT				HAZARDOUS						
DE BRACKET TYPE		ODE BRACKET TYPE	TYPE	MOTOR ORIEN			LOCATION		DRIP COVER		SCREENS PA	
FT-F	LANGE-215	STANDARD	B3	HORIZON	ITAL	NO	NONE		NO	NONE	BLUE (E	NAMEL)
											1	
	EARINGS	GREASE	SHAP	T TYPE SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
DE	ODE											
BALL			STANE	DARD IEC	IEC NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6309 6209												
									1			
TUE	RMOSTATS	PROTECTORS	WDC	G RTD's		BRG RTD's	TUED	MISTORS		NTROL	SPACE	HEATERS
	NONE	NOT		ONE		NONE		IONE		ALSE	- · · ·	A
	NONE	NUT	IN	ONE		NONE	ľ	IONE	F/	ALOE		A
R1	(ohms/ph)	R2 (ohms/ph)	¥1 (o	hms/ph)		X2 (ohms/ph)	¥m (hme/nh)	VIBRATI	ON (in/sec)	EL	DAT
0.435		0.208		1.002 1.229			Xm (ohms/ph) 28.214		0.150		ODE	
	0.435	0.200		.002		1.229	2	0.214		.150	0	
*												
N								INV	ERTER TORQUE:	CONSTANT 2:1/VAF	RIABLE 10:1	
0									P SPEED RANGE:			
т									LED IVANGE.			
Ē						=		ENCODER:	NONE			
s								NONE				
3						NONE			NONE	PPR		
						F		BRAKE:	NONE			
	PREPARED BY:						NONE NONE					
	DATE:	11/27/2020					FT-LB: NA					
	27.1 E.											HZ:
		0/07/00				-		V UME INO		0.12		12.



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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 : TCA0112AE251GAA009

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

Catalog No : R934

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