### **PRODUCT INFORMATION PACKET**

Model No: TCA0111AE271GAA009 Catalog No: R633 Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 160M Frame, TEFC



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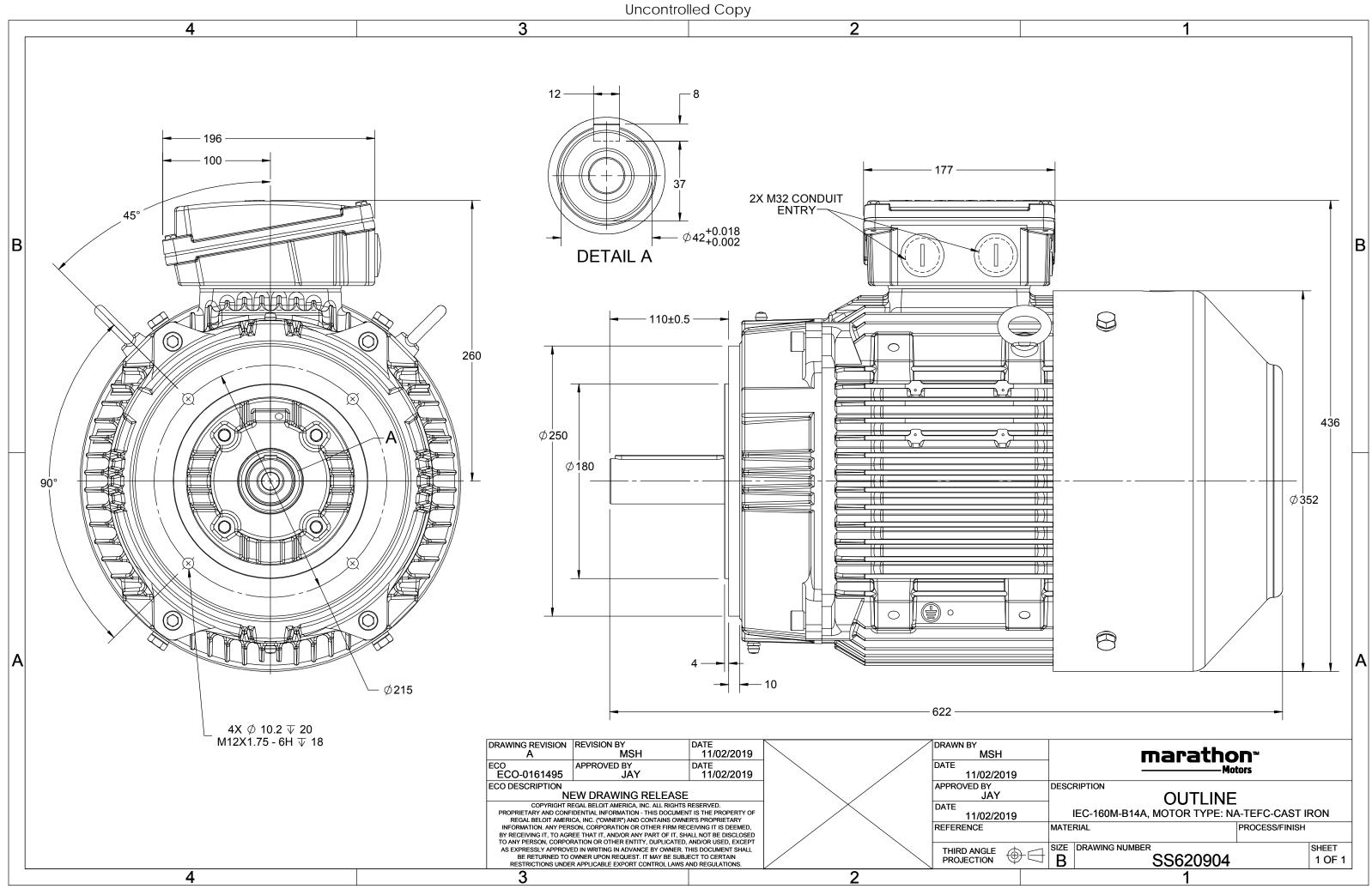
#### Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp			
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V			
Speed	3550 & 2965 rpm	Service Factor	1.15 & 1.15			
Frame	160M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91 & 90.1 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	34/16.9 & 27.8/13.9 A	Power Factor	90			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	G			
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			

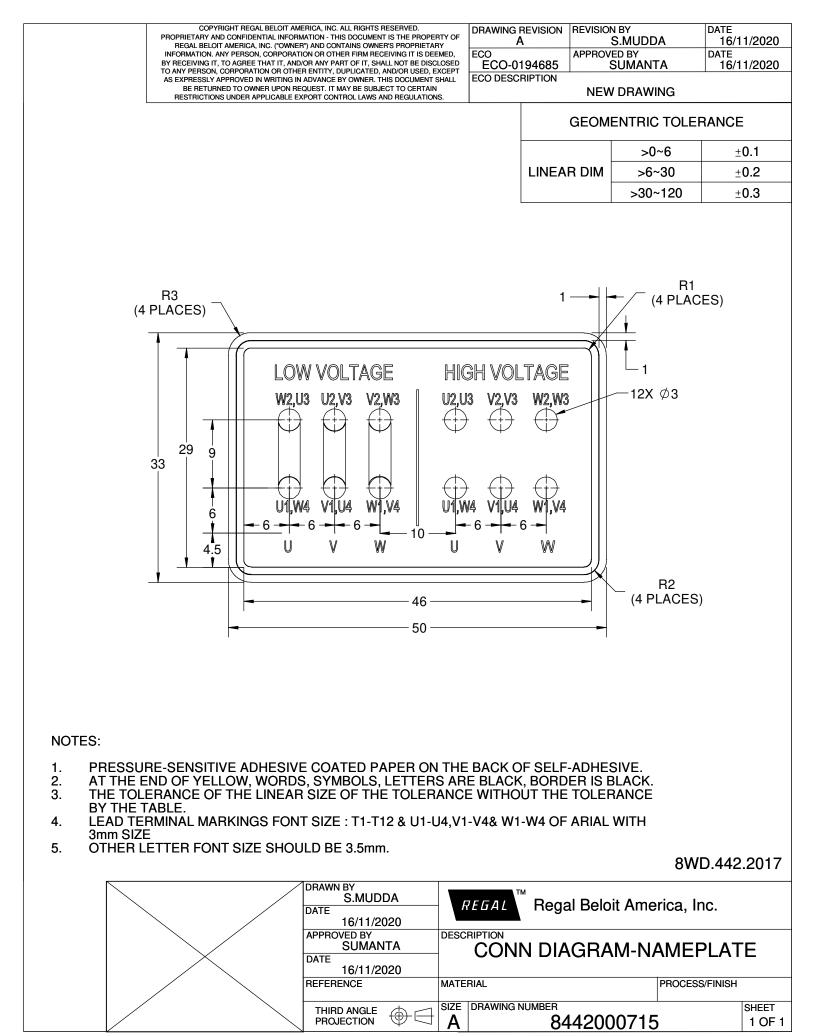
#### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	.93 Ohms	Mounting	Round		
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				
Connection Drawing	8442000715	Outline Drawing	SS620904		

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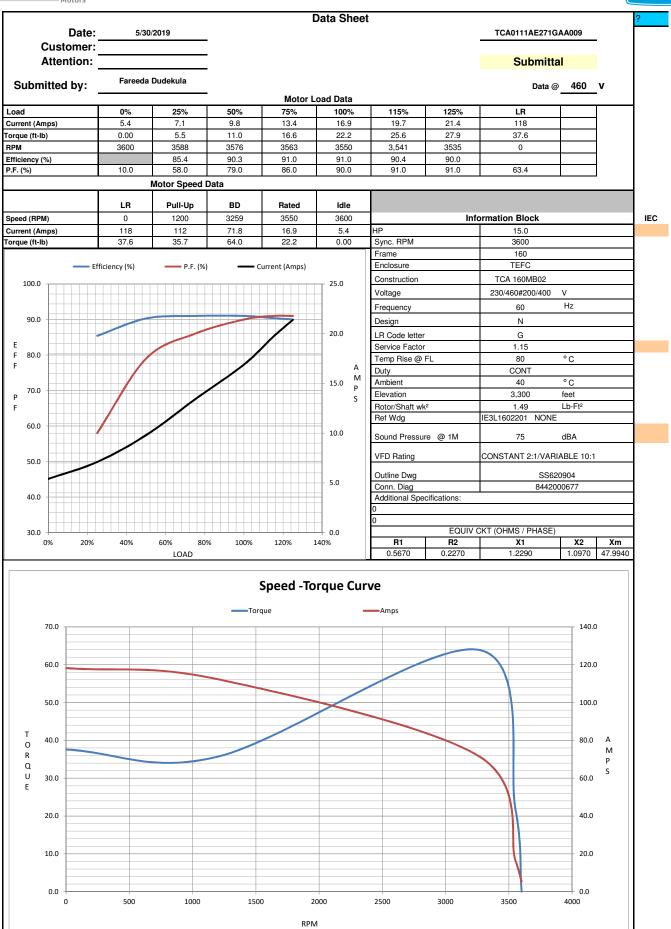
									P.O. BOX 8003				
					WAUSAU, WI 54401-8003								
									PH. 715-675-331	1			
									DATA VOLTS:	460			
					CE	RTIFICATION DATA S	неет						
					UL.								
CUSTOMER:					OMER P.O. #:								
ORDER #:							REFERENCE MODEL #: CAT #:						
CONN. DI		8442000677							F	R633			
OUTLINE:					CUSTOMER PART #:								
WINDING:		IE3L1602201	NONE	1				MOUNTING:	F3				
SPEED:		_		-		. MOTOR PERFORMA		тл					
HP	KW	SYNC RPM	FL RPM			FRAME	FRAME ENCLOSURE		TYPE	KVA CODE		DESIGN	
15	11.2	3600	:	3550		160M	т	EFC	TCA 160MB02	G		В	
PH	HZ	VOLTS	A	MPS		START TYPE	C	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	34/16.9	827.8/13.9		LINE OR INVERTER	C	ONT	F	1.15	40	3300	
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	90.3	GTD EFF		ELECT.	TYPE		
	F.L. PF	90.0	3/4 LD PF	86.0		1/2 LD PF	79.0	89.7		SQ CAGE IN	V RATED		
F.L. TORQUE LR AMPS @ 460 V			L.R. TORQUE		B.D. TORQUE			F.L. RIS	E (° C)				
22.2	LB-FT	118		37.6	LB-FT	169%	64.0	LB-FT	288%	80			
SOLIND	PRESSURE @ 3	1			1				1				
SCOND	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	
75	dBA	84 dBA	1.49	LB-FT <sup>2</sup>	1.49	LB-FT <sup>2</sup>	10	SEC.		2		KG.	
			MOUNT		*** SL	IPPLEMENTAL INFORMA		ARDOUS	1				
DE BRACKET TYPE ODE BRACKET		ODE BRACKET TYPE	TYPE	MOTOR ORI	DTOR ORIENTATION SEVERE DUTY			CATION	DRIP COVER	RSCREENS		INT	
	LANGE-215	STANDARD	ROUND	HORIZO		NO		IONE	NO			NAMEL)	
											•		
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	IATERIAL	
DE	ODE	OKLADE				OF LODAL DE	SFEGIAL ODE		SHALL		FRAME MATERIAL		
BALL	BALL	POLYREX EM	STAN	DARD IEC	NONE		N	IONE	1045 HOT F	OLLED (C-204)	CAST	CAST IRON	
6309	6209												
		1	1		1				1				
тис	RMOSTATS	PROTECTORS	wn	G RTD's		BRG RTD's	TUED	MISTORS		NTROL	SPACE	HEATERS	
			NOT NONE		NONE		NONE		FALSE		NA		
	NONE	NOT				NONE				ALUL			
R1 (ohms/ph) R2 (ohr		R2 (ohms/ph)	X1 (c	ohms/ph)	nms/ph) X2 (ohms/ph)		Xm (o	ohms/ph)	VIBRATION (in/sec)		FLOAT		
0.567		0.227		1.229	9 1.097			7.994	0.150		ODE		
*													
N						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
0							INV. HP SPEED RANGE: NONE						
т													
Е								ENCODER:	NONE				
s								NONE					
*								NONE			NONE	PPR	
PREPARED BY:				BRAKE: NONE									
							NONE	NOI	NE				
1	DATE:	11/16/2020						FT-LB:		NA			
							VOLTAGE: NONE HZ:   UL: V - LI,ME-INS,CONST UL REC HZ: HZ:						
FORM: 35	531 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 : TCA0111AE271GAA009

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

Catalog No : R633

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