PRODUCT INFORMATION PACKET

Model No: TCA0041AE271GAA009 Catalog No: R624 Cast Iron Motor, 5.50 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 112M Frame, TEFC



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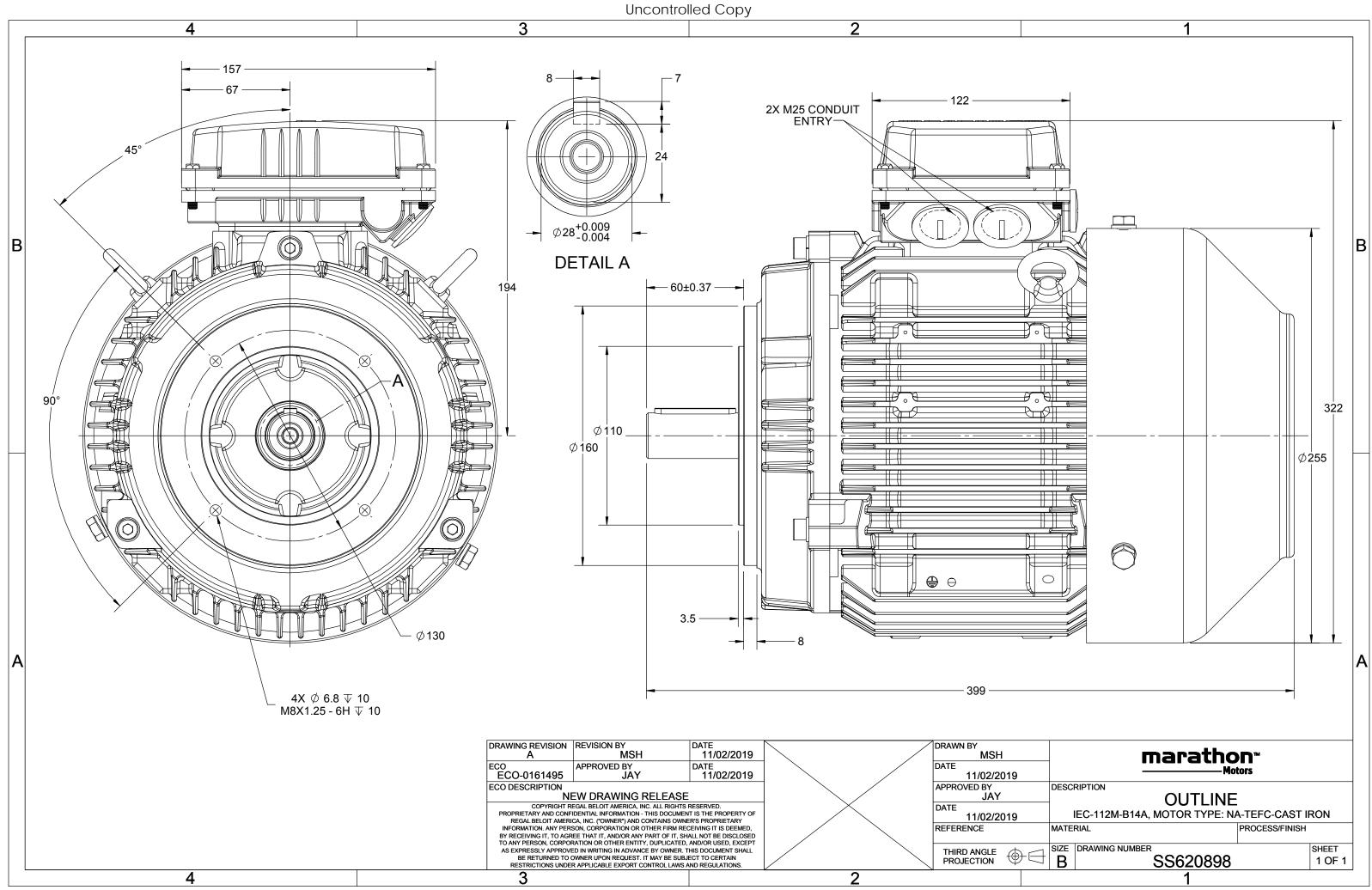
Nameplate Specifications

Phase	3	Output HP	5.50 & 4 Hp		
Output KW	4.0 & 3.0 kW	Voltage	230/460 & 200/400 V		
Speed	3520 & 2940 rpm	Service Factor	1.15 & 1.15		
Frame	112M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	89.5 & 87.1 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	12.4/6.2 & 11.2/5.6 A	Power Factor	91		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	J		
Drive End Bearing Size	6306	Opp Drive End Bearing Size	6206		
UL	Recognized	CSA	N		
CE	Y	IP Code	55		
Number of Speeds	1	Efficiency Class	IE3		

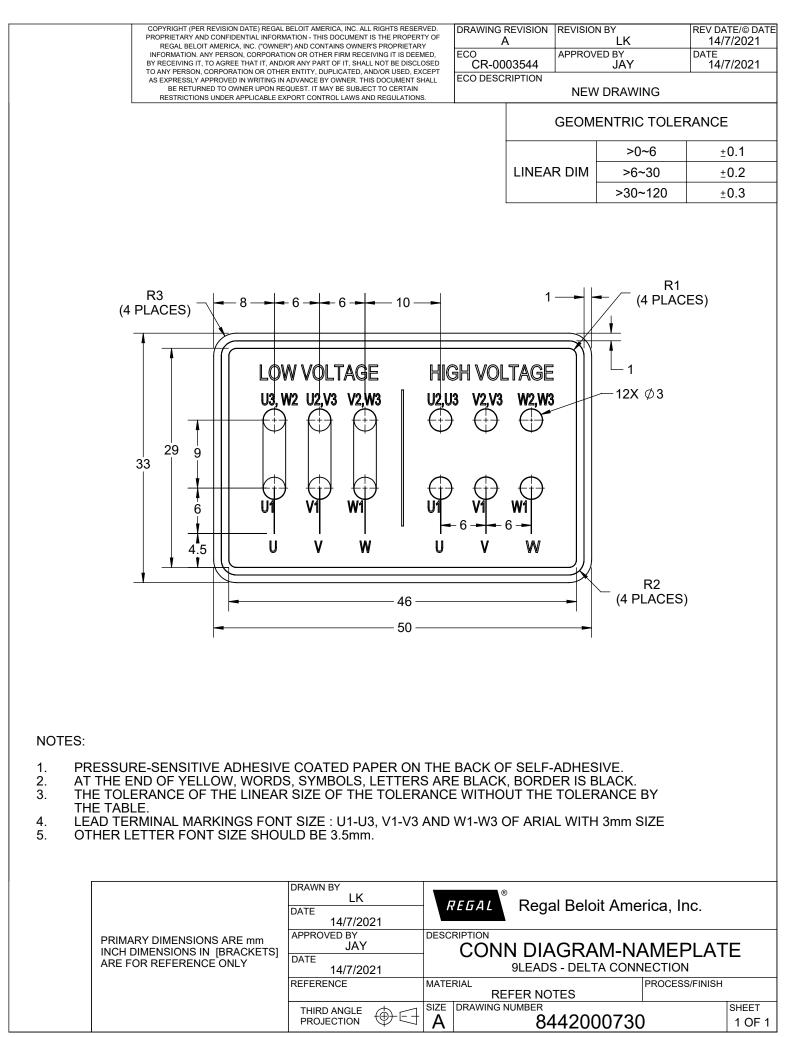
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	3.17 Ohms	Mounting	Round		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	15.71 in		
Frame Length	6.85 in	Shaft Diameter	1.102 in		
Shaft Extension	2.36 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Outline Drawing	SS620898	Connection Drawing	8442000730		

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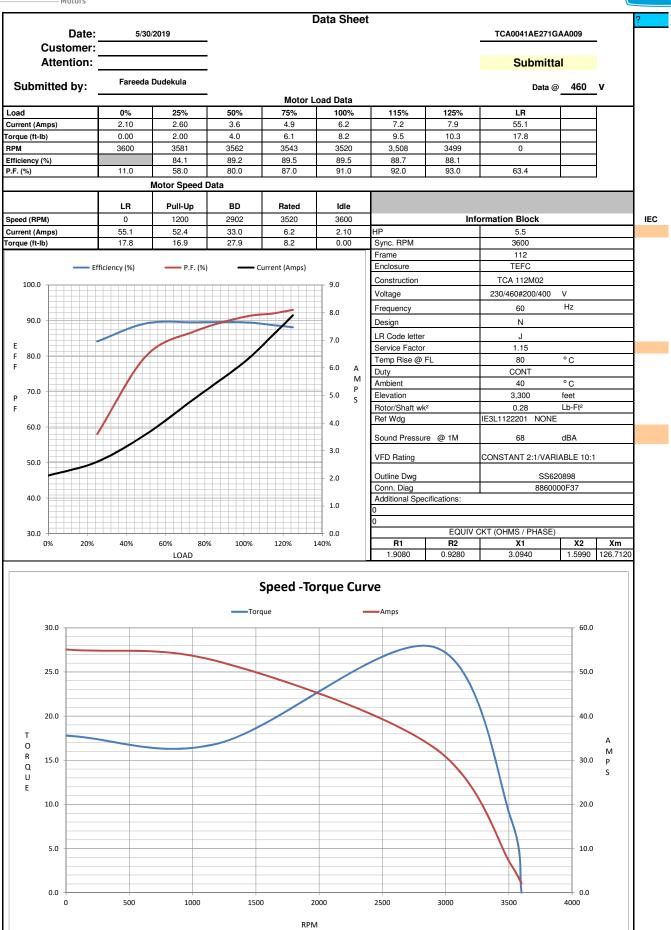
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
						PH. 715-675-3311						
									DATA VOLTS:	460		
					C E	RTIFICATION DATA S	UCCT					
					CE	KIIFICATION DATA 3	NEEI					
	CUSTOMER:						CUSTOMER P.O. #:					
ORDER #:					REFERENCE MODEL #: TCA0041AE271GAA009					-		
CONN. D		A-EE7308K						CAT #:				
OUTLINE		SS620898										-
WINDING SPEED:	:	IE3L112220	1 NONE	1				MOUNTING:	F3			
		-		-	TYPICAL	MOTOR PERFORM	NCE D	ATA				
HP	кw	SYNC RPM	FL	FL RPM		FRAME		LOSURE	TYPE	KVA C	ODE	DESIGN
5.5	4.1	3600		3520		112M		TEFC	TCA 112MA02	L.		N
0.0		0000	`	5020	1			1210	10/11/20002			
РН	HZ	VOLTS		MPS	1	START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	12.4/6.	2&11.2/5.6		LINE OR INVERTER		CONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF		1/2 LD EFF 89.2 GTD EFF		ELECT. TYPE					
	F.L. PF	91.0	3/4 LD PF	87.0		1/2 LD PF	80.0	87.9		SQ CAGE IN	V RATED	
F.L. TORQUE		LR AMPS @	A 460 V		1.0	L.R. TORQUE		B.D. TOR	UE F.L. RIS		E (° C)	1
8.2	LB-FT	55.1	9 400 V	17.8	LB-FT	217%	27.9	LB-FT	340%	80		-
0.2	20-11	00.1		17.0	LD-II	21170	21.5	LD-II	04070			4
SOUND	PRESSURE @ 3	SOUND POWER	вот			MAX. LOAD WK ²	SAFE .		ST AD		APROX.	MOTOR WG1
68	FT. dBA	77 dBA	POWER ROTOR WK ² 0.28 LB-FT ²		0.28 LB-FT ²		7 SEC.		2		53 KG.	
	UDA		0.20							2	00	110.
			MOUNT	1	*** Sl	JPPLEMENTAL INFORM		ARDOUS			1	
	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORI			LO	CATION	DRIP COVER	SCREENS	PAINT	
FT-f	FLANGE-130	STANDARD	ROUND	ROUND HORIZO		NO NO		NONE	NO	NONE	BLUE (ENAMEL)	
	EARINGS				1		1		1			
DE	ODE	GREASE	SHA	FT TYPE	SPECIAL DE SPECIAL ODE		CIAL ODE	SHAFT	MATERIAL FRAM		MATERIAL	
BALL	BALL											
6306	6206	POLYREX EM	STAN	DARD IEC	NONE			NONE	1045 HOT ROLLED (C-204)		CAST IRON	
					1		1					
THERMOSTATS		PROTECTORS	WD	G RTD's	BRG RTD's NONE		THERMISTORS		FALSE		SPACE HEATERS	
	NONE	NOT NONE					NONE					
											•	
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)	X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		FLOAT	
	1.908	0.928	3	3.094		1.599	1	26.712	0	0.150	0	DE
*												
N	N				INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
0												
	T				1		0. 220 10 10 20					
E				ENCODER: NONE								
			NONE									
o			NONE NONE PPR				PPR					
PREPARED BY:				BRAKE: NONE NONE NONE								
										DATE:	11/16/2020	
							VOLTAGE: NONE HZ:					
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 : TCA0041AE271GAA009

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

Catalog No : R624

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