PRODUCT INFORMATION PACKET

Model No: TCA2P23AE271GAA009 Catalog No: R623 Cast Iron Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 112M Frame, TEFC



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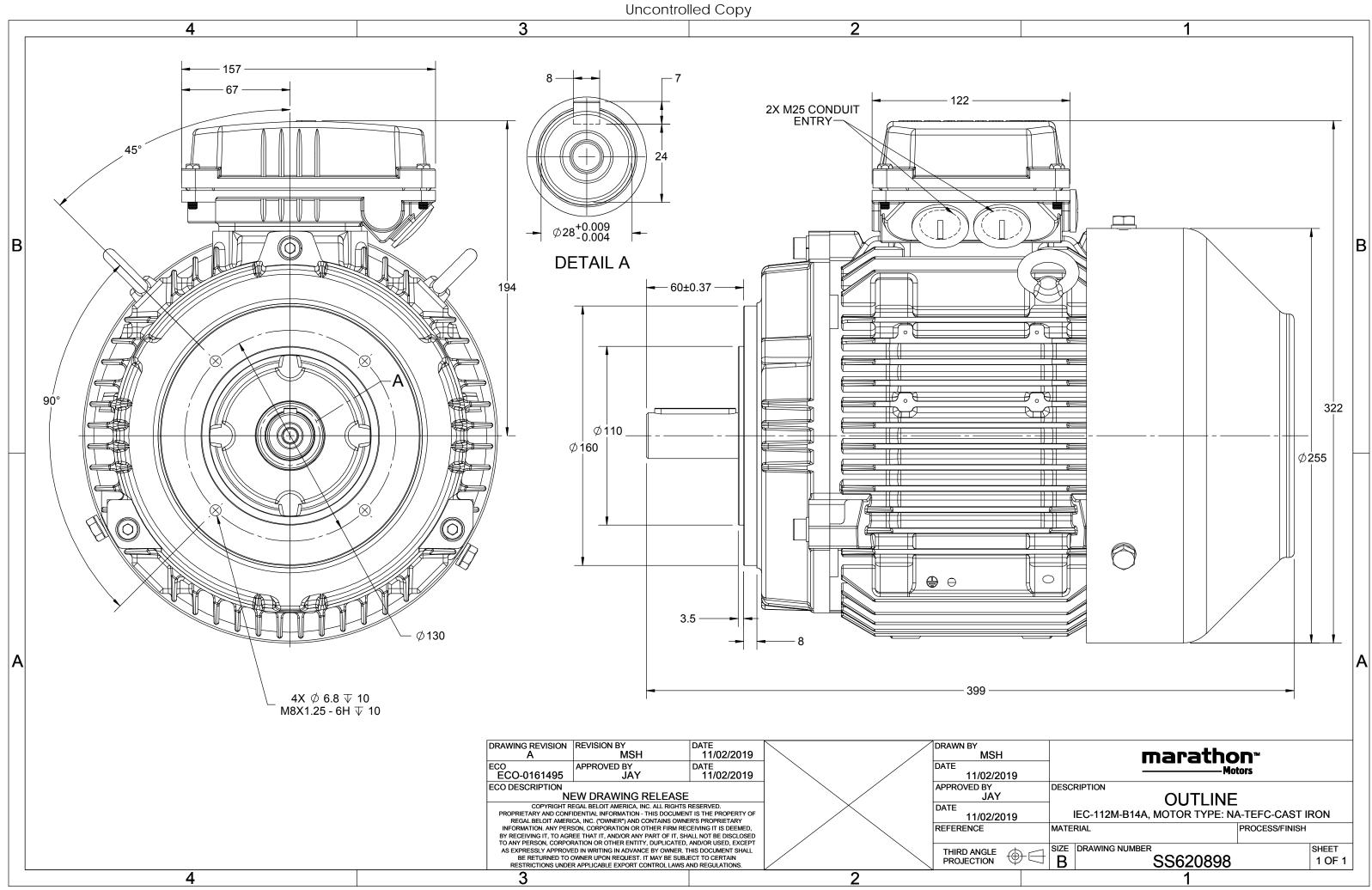
Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp			
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 200/400 V			
Speed	1170 & 980 rpm	Service Factor	1.15 & 1.15			
Frame	112M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	89.5 & 82.5 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	8.8/4.4 & 8.2/4.1 A	Power Factor	70			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	Μ			
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

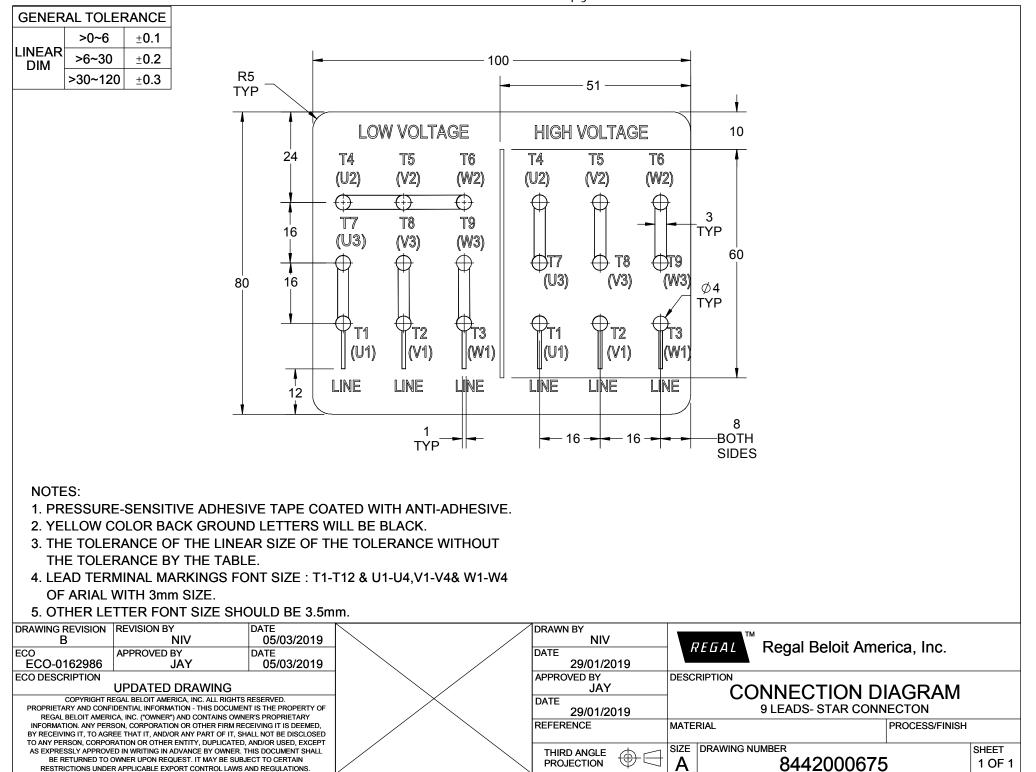
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	6	Rotation	Reversible		
Resistance Main	3.31 Ohms	Mounting	Round		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	15.71 in		
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				
Connection Drawing	8442000675	Outline Drawing	SS620898		

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									P.O. BOX 8003			
						WAUSAU, WI 54401-8003						
						PH. 715-675-3311						
									DATA VOLTS:	460		
					05							
					CE	RTIFICATION DATA S	HEEI					
	CUSTOMER:					CUSTOMER P.O. #:						
ORDER #									TCA2P23AE271G	-		
CONN. DI		8442000675						CAT #:				
OUTLINE: SS620898								MER PART #:				
WINDING SPEED:	:	IE3L1126201	1 NONE	1				MOUNTING:	F3			
OI EED.		_		1	TYPICAL	MOTOR PERFORMA	NCE D	ATA				
HP	ĸw	SYNC RPM	FL RPM		FRAME		ENCLOSURE		TYPE	KVA C	ODE	DESIGN
3	2.2	1200		1170		112M	TEFC		TCA 112MA06	м		N
	2.2	1200	1170		1	112M IEFC						
РН	HZ	VOLTS	A	MPS	1	START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	8.8/4.	4&8.2/4.1		LINE OR INVERTER		CONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF	89.5		1/2 LD EFF	83.4	GTD EFF		ELECT.	ТҮРЕ	
	F.L. PF	70.0	3/4 LD PF	61.0		1/2 LD PF	50.0	87.9		SQ CAGE IN	V RATED	
	TORQUE	LR AMPS @	460 V L.R. TORQUE		B.D. TORQUE		0.115	F.L. RIS	F (% A)	1		
13.5	LB-FT	38.2	400 V	43.6	LB-FT	323%	51.4	LB-FT	381%	80		+
13.5	20-11	50.Z		43.0		52570	51.4	20-11	30176	00		
SOUND	PRESSURE @ 3 FT.	SOUND POWER	вот			MAX. LOAD WK ²	SAFE	STALL TIME	OT AD		APROX.	MOTOR WGT
55 dBA		64 dBA			0.5 LB-FT ²		15 SEC.		2		58 KG.	
			,									1
			MOUNT		*** SL	IPPLEMENTAL INFORMA		ARDOUS	1	1	Τ	
	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORI				CATION	DRIP COVER	SCREENS	PAINT	
FT-f	FLANGE-130	STANDARD	ROUND	ROUND HORIZO		NTAL NO		NONE	NO	NONE	BLUE (ENAMEL)	
в	EARINGS											
DE	ODE	GREASE	SHA	FT TYPE	SPECIAL DE		SPE	CIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL	BALL								1045 HOT ROLLED (C-204)			
6306	6206	POLYREX EM	STAN	DARD IEC		NONE	NONE		1045 HOT F	ROLLED (C-204)	CAST IRON	
		1	1		1				1		1	
THERMOSTATS		PROTECTORS	wo	G RTD's		BRG RTD's	THERMISTORS		CONTROL		SPACE HEATERS	
	NONE	NOT		ONE	NONE			NONE	FALSE		1	NA
									1			
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)	X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		ODE FLOAT	
	1.986	1.702	6	.146		7.469	9	94.454		0.150	0	DE
*												-
N	N				INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
0												
	т											
E				ENCODER: NONE								
			NONE NONE									
• •			NONE NONE PPR				PPR					
PREPARED BY:					BRAKE: NONE							
							NONE	NOM	NE			
	DATE: 11/16/2020					FT-LB:		NA				
							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 : TCA2P23AE271GAA009

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

Catalog No : R623

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