PRODUCT INFORMATION PACKET

Model No: TCA2P22AE271GAA009 Catalog No: R622 Cast Iron Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 100L Frame, TEFC



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Motors



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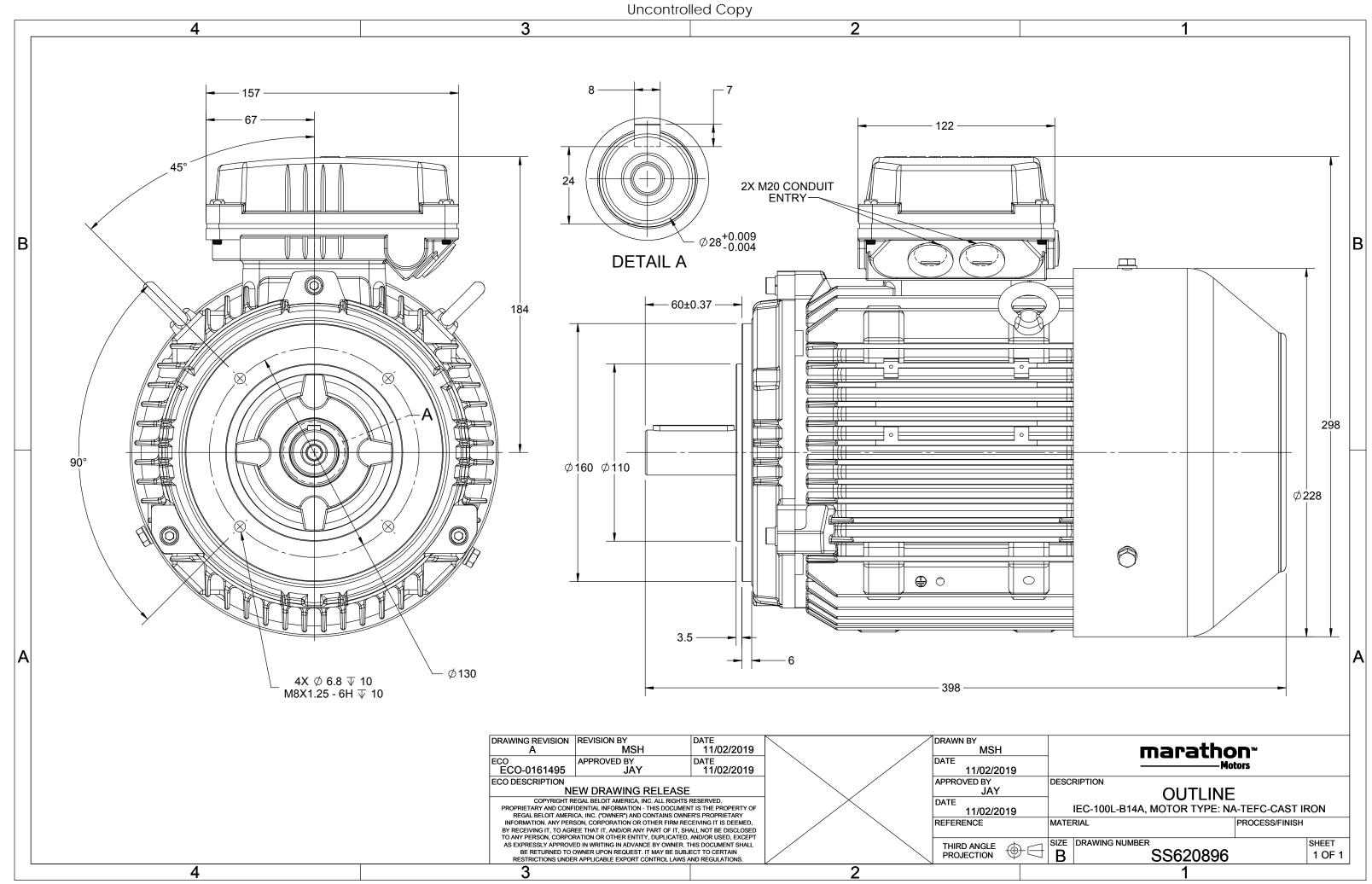
Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp			
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 200/400 V			
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15			
Frame	100L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	89.5 & 85.3 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	7.8/3.9 & 7/3.5 A	Power Factor	80			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	М			
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206			
UL	Recognized	CSA	N			
CE	Y	IP Code	55			
Number of Speeds	1	Efficiency Class	IE3			

Technical Specifications

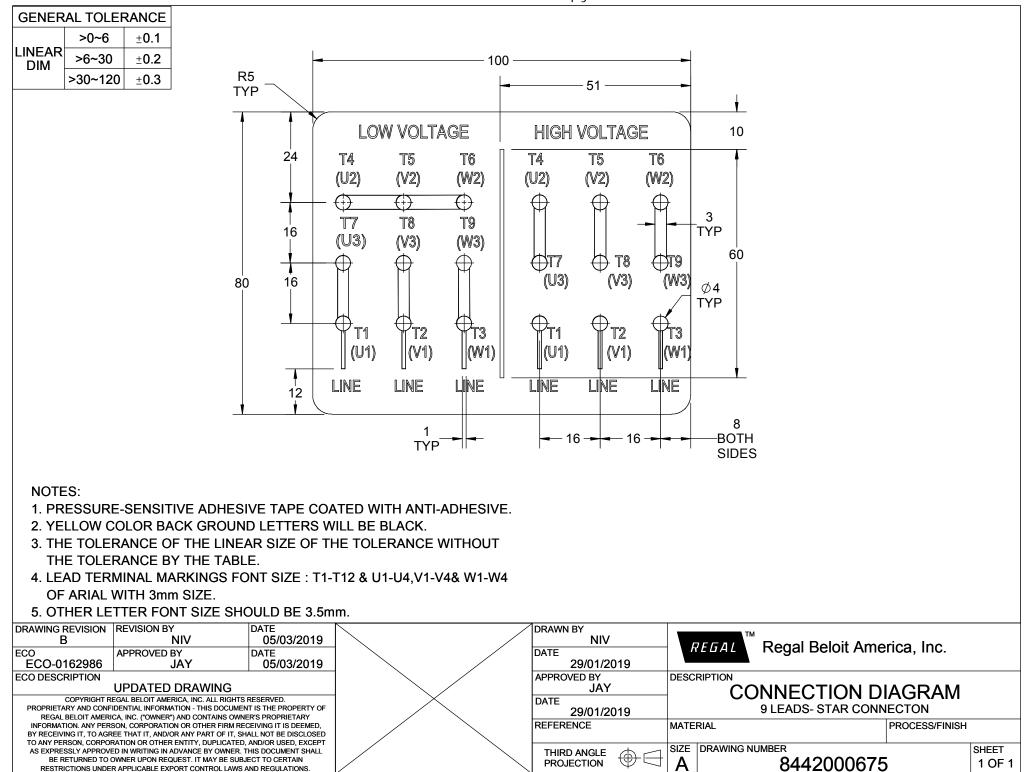
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter Reversible			
Poles	4	Rotation				
Resistance Main	3.79 Ohms	Mounting	Round			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Overall Length	15.67 in			
Frame Length	7.87 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	SS620896			

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									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-3311 DATA VOLTS:			
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING:	AGRAM:	8442000675 SS620896 IE3L1004201	NONE	1	CE	RTIFICATION DATA SI	CUST	OMER P.O. #: CE MODEL #: CAT #: MER PART #: MOUNTING:	TCA2P22AE271G	AA009 3622		
SPEED:				т	YPICAL	MOTOR PERFORMA		ТА				
HP	кw	SYNC RPM	FL	RPM FRAME		ENCLOSURE TYPE		TYPE	KVA CO	DDE	DESIGN	
3	2.2	1800	1	770	70 100L		1	EFC	TCA 100LA04	М		Ν
						1						
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	7.8/3	.9&7/3.5		INE OR INVERTER	C	ONT	F	1.15	40	3300
	F.L. EFF	89.5	3/4 LD EFF	89.5		1/2 LD EFF	85.3	GTD EFF		ELECT. T	YPE	
	F.L. PF		3/4 LD PF	73.0		1/2 LD PF	62.0	87.9		SQ CAGE IN\	RATED	
	. TORQUE	LR AMPS @	460 V			TORQUE		B.D. TOR		F.L. RISE	(°C)	
8.9	LB-FT	39.0		26.8	LB-FT	301%	33.7	LB-FT	379%	80		
SOUND F	PRESSURE @ 3										1	
	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	rs/hour	APROX.	MOTOR WGT
55	dBA	64 dBA	0.34	LB-FT ²	0.34	LB-FT ²	10	SEC.		2	45	KG.
					*** 611	PPLEMENTAL INFORMA						
			MOUNT		30			ARDOUS			1	
DE BRACKET TYPE		ODE BRACKET TYPE	TYPE	MOTOR ORIE		SEVERE DUTY		CATION	DRIP COVER	SCREENS	PAINT	
FT-F	LANGE-130	STANDARD	ROUND	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (E	ENAMEL)
B	EARINGS											
DE	ODE	GREASE	SHAP	SHAFT TYPE		SPECIAL DE		CIAL ODE	SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL	POLYREX EM	STAN	ARD IEC NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6206	6206	FOLINEXEM	STAN			NONE			1045110111	OLLED (0-204)	CASI	
	RMOSTATS	PROTECTORS NOT		G RTD's		BRG RTD's NONE		MISTORS		NTROL	SPACE	HEATERS
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph)	Xm (e	ohms/ph)	VIBRATI	ON (in/sec)	FL	TAC
	2.364	1.418	3	.782		7.469	13	33.030	0	.150	0	DE
* N O T									ERTER TORQUE: P SPEED RANGE:	CONSTANT 2:1/VAF	RIABLE 10:1	
ES*								ENCODER: NONE NONE	NONE		NONE	PPR
PREPARED BY:					BRAKE: NONE NONE NONE FT-LB: NA							
								VOLTAGE:		ONE		HZ:
FORM: 35	31 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 : TCA2P22AE271GAA009

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

Catalog No : R622

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