PRODUCT INFORMATION PACKET

Model No: TCA0043AE271GAA009 Catalog No: R626 Cast Iron Motor, 5.50 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 132M Frame, TEFC



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Motors

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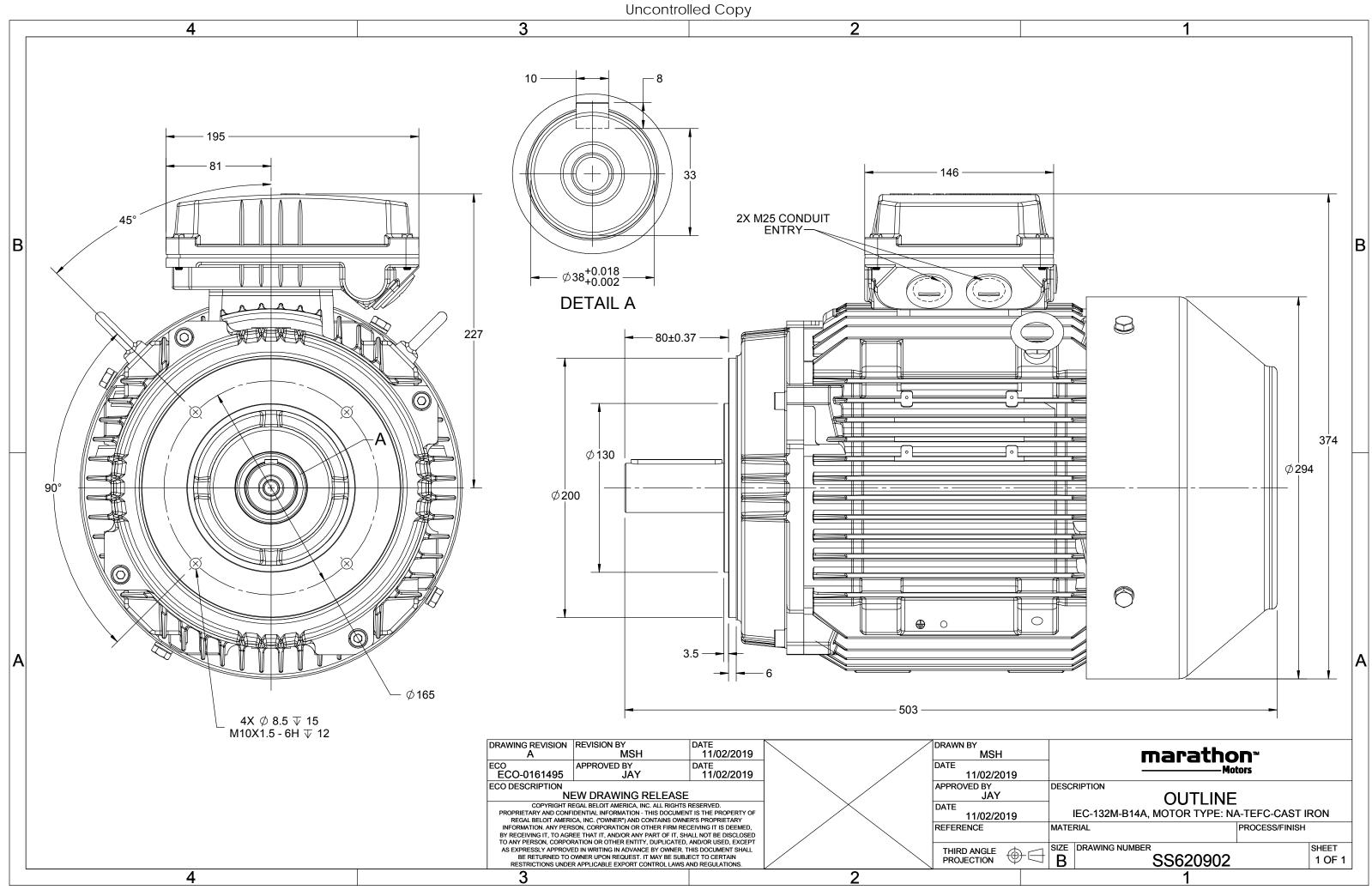
Nameplate Specifications

Phase	3	Output HP	5.50 & 4 Hp
Output KW	4.0 & 3.0 kW	Voltage	230/460 & 200/400 V
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15
Frame	132M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 & 85.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	16.2/8.1 & 16.2/8.1 A	Power Factor	68
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	L
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Ν
CE	Υ	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

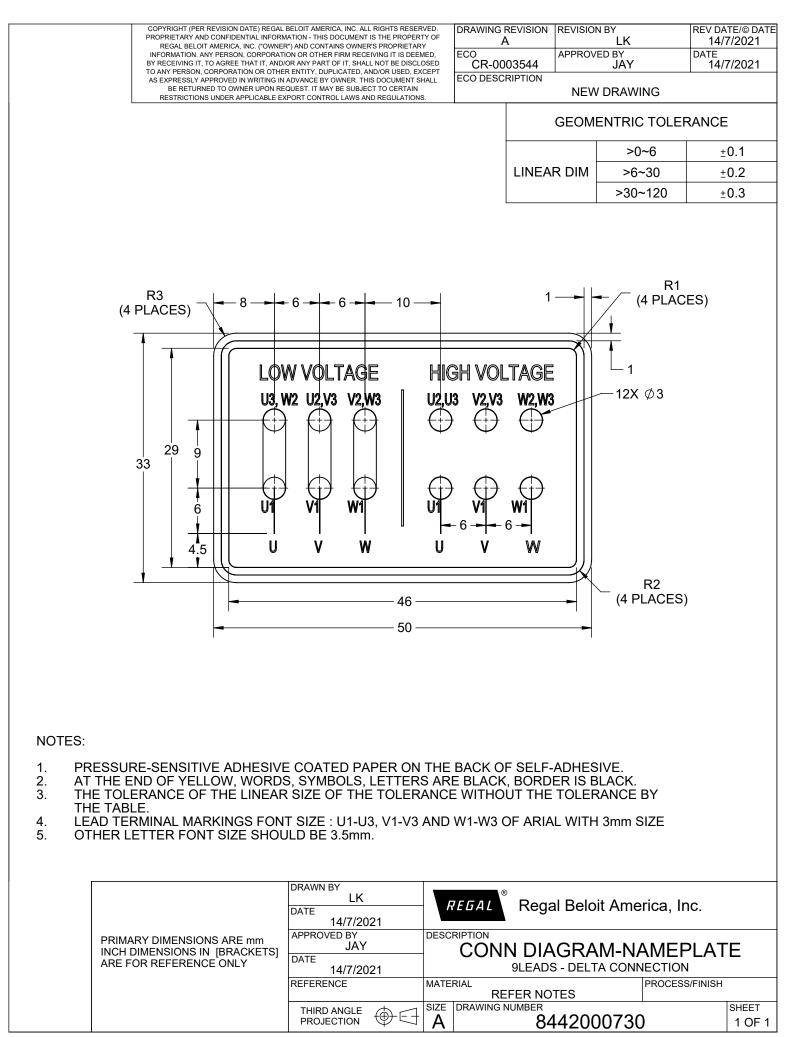
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	6	Rotation	Reversible		
Resistance Main	1.61 Ohms	Mounting	Round		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	19.80 in		
Frame Length	9.45 in	Shaft Diameter	1.496 in		
Shaft Extension	3.15 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000730	Outline Drawing	SS620902		

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4 of 8



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									P.O. BOX 8003			
					WAUSAU, WI 54401-8003 PH. 715-675-3311							
									DATA VOLTS:	460		
									DATA VOLTS.	400		
					00	RTIFICATION DATA SI	UFFT					
					UEI	CIFICATION DATA SI	NEEI					
CUSTOME	- D.						CUICT	OMER P.O. #:				
ORDER #:				-						4 4 000		
		8442000676							#: TCA0043AE271GAA009			
CONN. DI							CAT #: CUSTOMER PART #:			R626		
OUTLINE:		SS620902					CUSIO					
WINDING:		IE3L1326202	NONE	1				MOUNTING:	F3			
SPEED:		-		_								
				1	YPICAL	MOTOR PERFORMA	NCE DA	TA				
нр	кw	SYNC RPM	-	004	FRAME				TYPE	1000		
пр	r.vv	STNC RPM	FL RPM			FRAME	ENCLOSURE		ITPE	KVA CODE		DESIGN
5.5	4.1	1200		1180		132M	1	EFC	TCA 132MA06	6 1		N
0.0		1200				102111		2.0	10/1102/07/00	-		
PH	HZ	VOLTS	A	MPS		START TYPE	0	DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	16.2/8.	1&16.2/8.1		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	86.6	GTD EFF		ELECT. T	YPE	
	F.L. PF	68.0	3/4 LD PF	59.0		1/2 LD PF	46.0	89.7		SQ CAGE IN	/ RATED	
		• •		•								
F.L	. TORQUE	LR AMPS @	460 V		L.R. TORQUE			B.D. TOR	QUE	F.L. RISE	E (°C)	
24.5 LB-FT 62.8			70.5 LB-FT 288%		85.6	LB-FT	349% 80		Г ́			
SOUND	PRESSURE @ 3											
FT.		SOUND POWER ROTOR WK ²		OR WK ²	MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX. MOTOR WO	
65	dBA	74 dBA	1.42	LB-FT ²	1.42	LB-FT ²	15	SEC.		2	87	KG.
			`									
					*** SU	PPLEMENTAL INFORMA	TION ***					
MOUNT				HAZARDOUS								
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE			DRIP COVER	SCREENS	PAINT			
FT-F	LANGE-165	STANDARD	ROUND	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (E	NAMEL)
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	IATERIAL
DE	ODE						· · ·					
BALL	BALL	POLYREX EM	STAN	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6308	6208											
											SPACE	HEATERS
THERMOSTATS PROTECTORS			VDG RTD's BRG RTD's		THERMISTORS		CONTROL					
	NONE	NOT	N	ONE		NONE	N	IONE	E.	ALSE	N	IA
						1						
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.980	0.619	3	.301		2.991	4	8.529	C	.150	0	DE
	-											
*												
	N				INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
0						INV. HP SPEED RANGE: NONE						
т												
E								ENCODER:	NONE			
s								NONE				
*								NONE			NONE	PPR
					BRAKE:	NONE						
	PREPARED BY:							1	NONE	NON	E	
1	DATE:	11/16/2020						FT-LB:		NA		
											HZ:	
FORM: 3531 REV_4 2/27/06				ľ	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 : TCA0043AE271GAA009

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

Catalog No : R626

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