PRODUCT INFORMATION PACKET



Model No: TCA0033AE231GAA009

Catalog No: R853

TerraMAX® Cast Iron Motor, 4 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM,

132S Frame, TEFC





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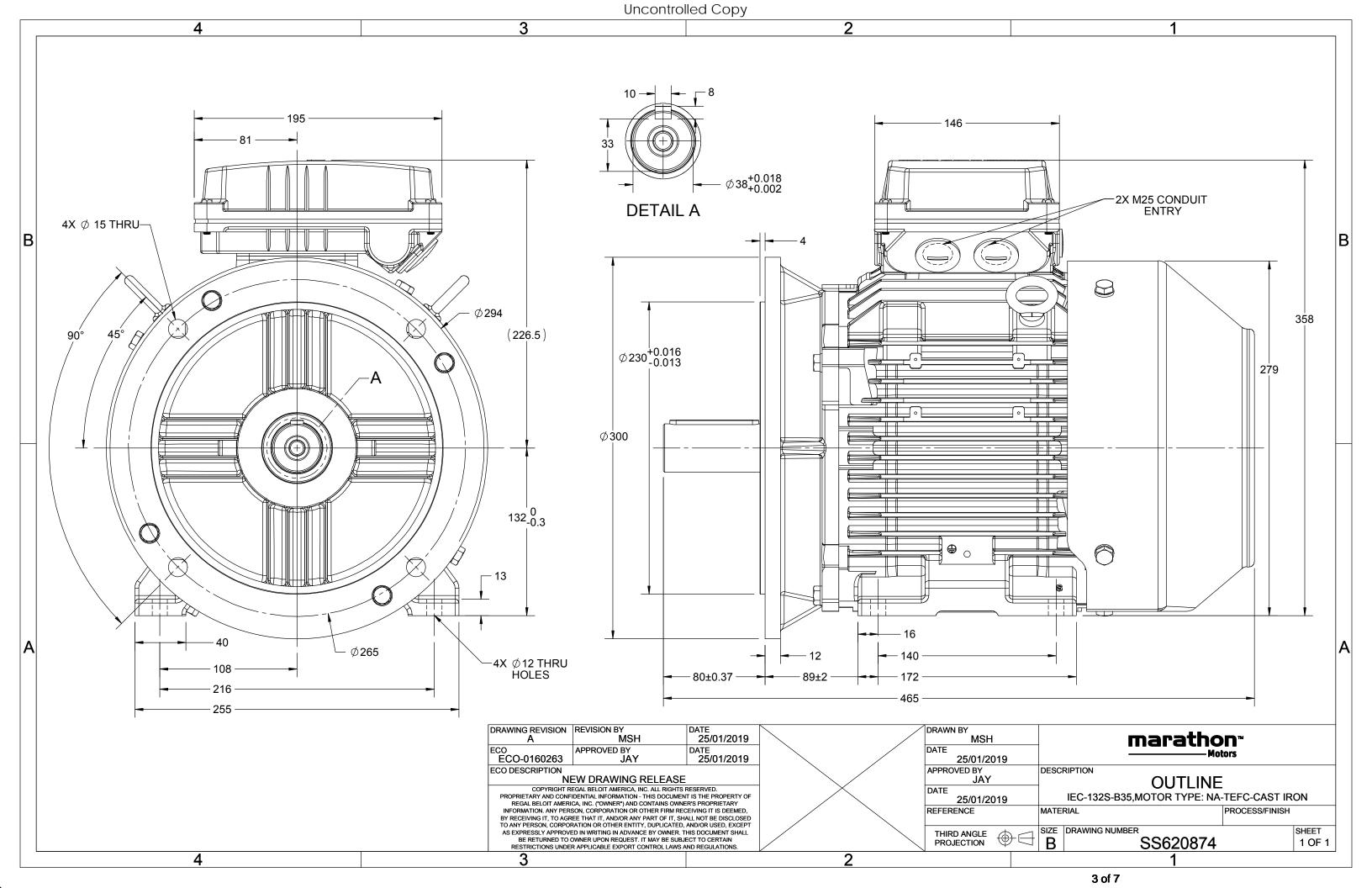
Nameplate Specifications

Phase	3	Output HP	4 & 3 Hp		
Output KW	3.0 & 2.2 kW	Voltage	230/460 & 200/400 V		
Speed	1180 & 980 rpm	Service Factor	1.15 & 1.15		
Frame	132S	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	89.5 & 84.3 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	11.6/5.8 & 10.4/5.2 A	Power Factor	73		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	J		
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208		
UL	Recognized	CSA	N		
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	2.75 Ohms	Mounting	В3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Shaft Diameter	38.000 in			
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Outline Drawing	SS620874	Connection Drawing	8442000729			

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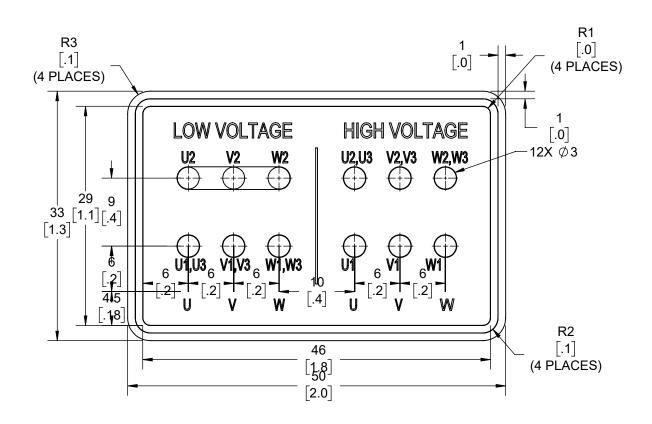


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DRAWING REVISION	REVISION BY	REV DATE/© DATE					
A	LK	30/6/2021					
ECO	APPROVED BY	DATE					
CR-0003544	JAY	30/6/2021					
ECO DESCRIPTION							
NEW BEAUTIO							

NEW DRAWING

GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



NOTES:

- 1.
- 2.
- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE BY 3. THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: U1-U3, V1-V3 AND W1-W3 OF ARIAL WITH 3mm SIZE 4.
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

PRIMARY DIMENSIONS ARE mm INCH DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY LK DATE 30/6/2021	REGAL® Regal Beloit America, Inc.				
	APPROVED BY JAY DATE 30/6/2021	CONN DIAGRAM-NAMEPLATE 9LEADS - STAR CONNECTION				
	REFERENCE		PROCESS/FINISH			
	THIRD ANGLE PROJECTION	A B442000729	SHEET 1 OF 1			







									P.O. BOX 8003				
							WAUSAU, WI 54401-8003						
									PH. 715-675-331				
									FII. 713-073-331	'			
									DATA VOLTS:	460			
					CEI	RTIFICATION DATA SI	HEET						
					OLI	THE ICATION DATA SI							
CUSTOME				_				OMER P.O. #:					
ORDER #:							REFEREN	CE MODEL #:	TCA0033AE231G	AA009			
CONN. DIA	AGRAM:	8442000675						CAT #:	F	R853			
OUTLINE:		SS620874					CUSTO	MER PART #:					
WINDING:		IE3L1326201	NONE	1				MOUNTING:				-	
		IL3L1320201	NONE	'				WOONTING.	13				
SPEED:		_		_									
				T	YPICAL	. MOTOR PERFORMA	NCE DA	TA					
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENC	LOSURE	TYPE	KVA CO	DDE	DESIGN	
4	3.0	1200	1	1180		132S	Т	EFC	TCA 132SA06	J		N	
PH	HZ	VOLTS	Α	MPS		START TYPE	0	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	11 6/5	8&10.4/5.2		LINE OR INVERTER	C	ONT	F	1.15	40	3300	
_ <u> </u>	00/00	200/100//200/100	11.0/0.	00.10.1/0.2		ENTE ON NAVENTEN		0.11		1.10		0000	
-			3/4 LD EFF	00.5		1015 555	00.0	OTD 555	1	FI FOT T	7/DE		
	F.L. EFF			89.5		1/2 LD EFF	86.8	GTD EFF		ELECT. T			
	F.L. PF	73.0	3/4 LD PF	64.0		1/2 LD PF	53.0	87.9		SQ CAGE INV	/ RATED		
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TOR	QUE	F.L. RISE	(° C)		
	LB-FT	37.7		38.9	LB-FT	217%	51.4	LB-FT	287%	80	T /		
17.5	LD-1 1	57.7		00.0		21770	01.7	LD-1 1	20170	1 00		l.	
SOLIND	PRESSURE @ 3												
I SOUND !	FT.	SOUND POWER	BOT.	OR WK²		MAX. LOAD WK ²	CAEEC	TALL TIME	CTAD.	TO/HOLID	APROX.	MOTOR WGT	
				LB-FT ²			SAFE STALL TIME		STARTS/HOUR				
65	dBA	74 dBA	1.17	LB-F1-	1.17	LB-F1	15	SEC.		2	79	KG.	
			`										
					*** SU	PPLEMENTAL INFORMA							
			MOUNT					RDOUS					
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE			LOCATION		DRIP COVER	SCREENS		MNT	
FF-F	LANGE-265	STANDARD B3		HORIZONTAL NO		N	NONE NO		NONE	BLUE (E	ENAMEL)		
		•	•						•			·	
BI	EARINGS												
DE .	ODE	GREASE	GREASE SHAFT		FT TYPE SPECIAL DE		SPECIAL ODE	SHAFT MATERIAL		FRAME N	MATERIAL		
BALL			<u> </u>										
	BALL	POLYREX EM	STANI	DARD IEC NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON			
6308	6208									. , ,			
											SPACE	HEATERS	
THE	RMOSTATS	PROTECTORS	WDG	3 RTD's		BRG RTD's	THER	MISTORS	co	NTROL	SPACE	HEATERS	
	NONE			NONE NONE		NONE		FALSE		NA			
			<u> </u>	0.1.2		110112		0.12		LOL			
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohms/ph)		X2 (ohms/ph)		Vm /e	Xm (ohms/ph) VIE		VIBRATION (in/sec)		FLOAT	
KI									0.150		ODE		
	1.702	0.993	5	.177		4.538	/8	3.145		1.150	0	DE	
*													
N						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
0													
T									OI LLD IVAIOL.				
									NONE				
E								ENCODER:	NONE				
s								NONE					
*								NONE			NONE	PPR	
								BRAKE:	NONE				
l	PREPARED BY:								NONE	NON	_		
1											-		
1	DATE:	11/2//2020						FT-LB:		NA			
1						<u> </u>	VOLTAGE: NONE HZ:						
FORM: 35	ORM: 3531 REV_4 2/27/06						UL: V - LI,ME-INS,CONST UL REC						











REGAL

RPM



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: TCA0033AE231GAA009

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

Catalog No : R853
Rework No : N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer