PRODUCT INFORMATION PACKET



Model No: TCA5P53AE251GAA009

Catalog No: R929

TerraMAX® Cast Iron Motor, 7.50 & 5.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM,

132M Frame, TEFC





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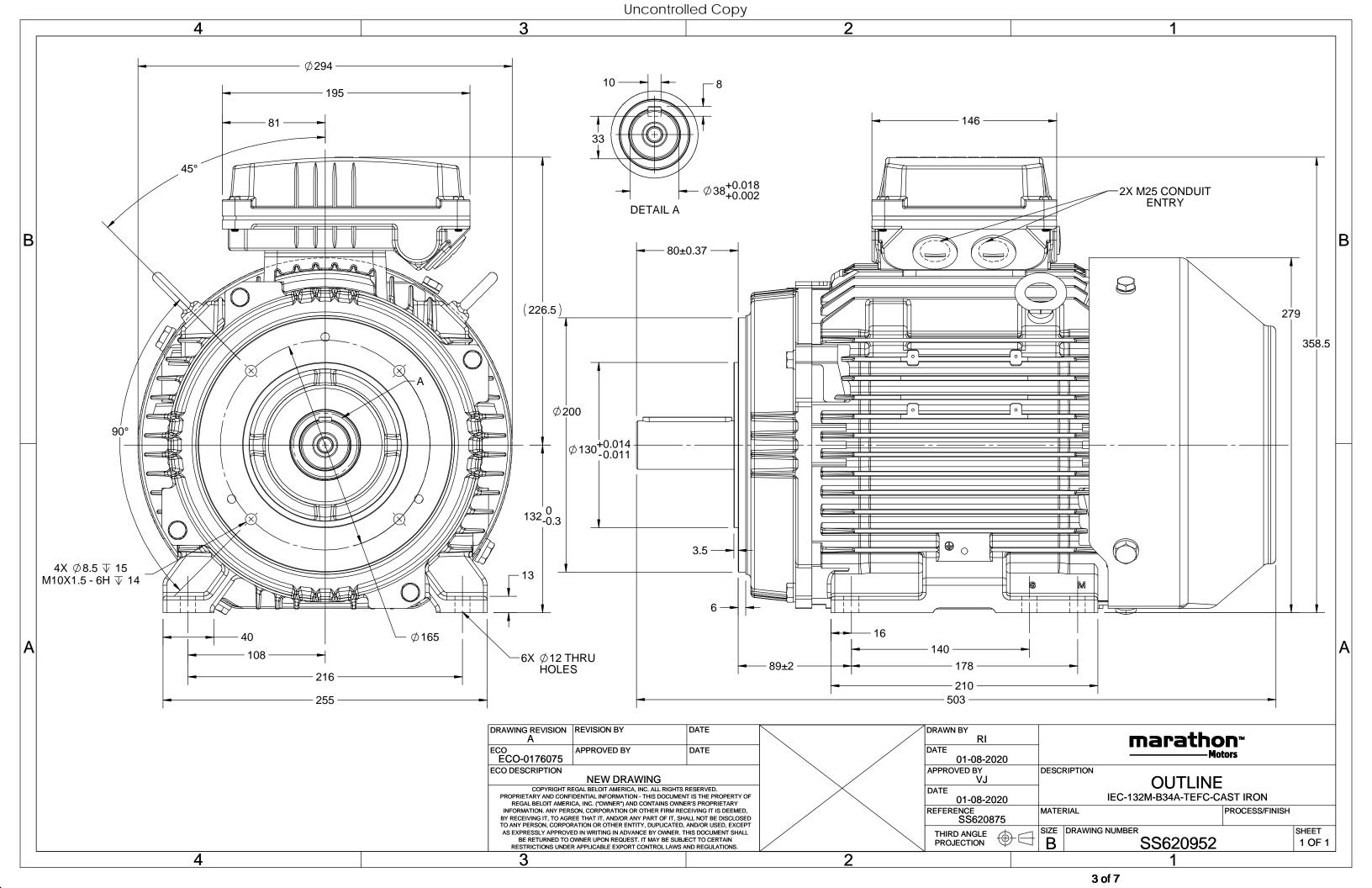
Nameplate Specifications

Phase	3	Output HP	7.50 & 5.50 Hp		
Output KW	5.5 & 4.0 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 & 86.8 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	20.8/10.4 & 19/9.5 A	Power Factor	73		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	К		
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	1.19 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			
Connection Drawing	8442000715	Outline Drawing	SS620952			

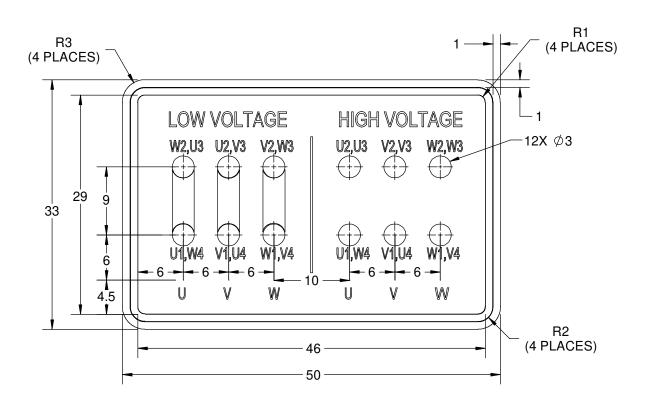
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

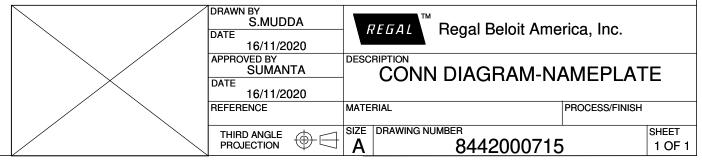
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



NOTES:

- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. 1.
- 2.
- THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE 3. BY THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 4. 3mm SIZE
- OTHER LETTER FONT SIZE SHOULD BE 3.5mm. 5.

8WD.442.2017





TerraMAX[™]



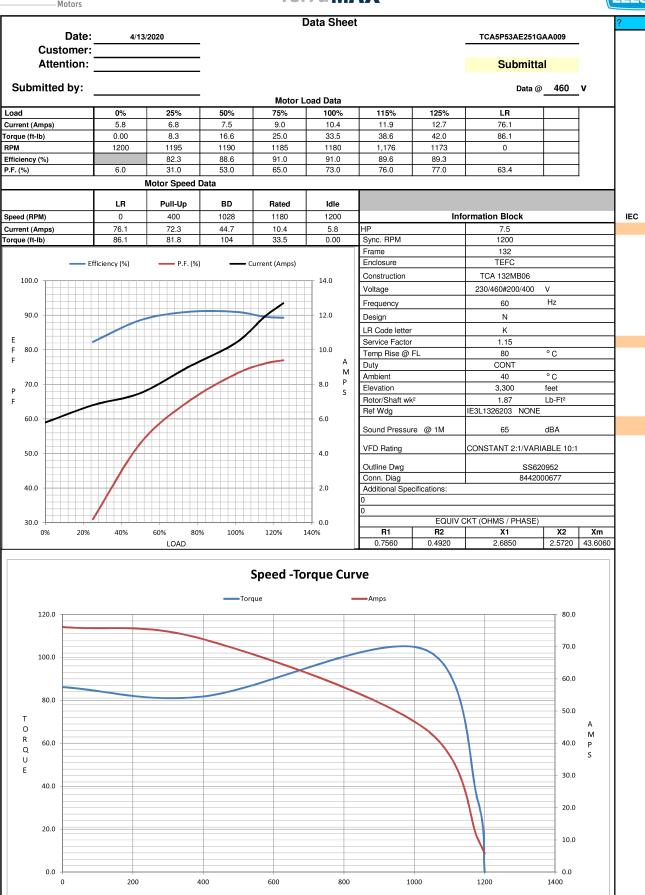
						P.O. BOX 8003						
							WAUSAU, WI 54401-8003					
					PH. 715-675-3311							
									DATA VOLTS:	460		
					CEI	RTIFICATION DATA S	JEET					
					CEI	TIFICATION DATA 3	HEEI					
CUSTOME	R:						CUST	OMER P.O. #:				
ORDER #:							REFERENCE MODEL #: TCA5P5		TCA5P53AE251G	AA009		
CONN. DIA	AGRAM:	8442000677		•				CAT #:	F	1929		
OUTLINE:		SS620952					CUSTO	MER PART #:				
WINDING:		IE3L132620	3 NONE	1				MOUNTING:	F3			
SPEED:												
		-		Т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
HP	ĸw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
7.5	5.50	1200		1180		132M	Т	EFC	TCA 132MB06	К		N
				1								
PH	HZ	VOLTS	Δ	MPS		START TYPE	п	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		0.4&19/9.5		LINE OR INVERTER		ONT	F	1.15	40	3300
	22700		20.5/10						· · ·			
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	88.6	GTD EFF		ELECT. T	YDF	
	F.L. PF		3/4 LD PF	65.0		1/2 LD PF	53.0	89.7		SQ CAGE INV		
	1.1	70.0	0/4 LD 111	00.0		1/2 2511	00.0	00.7		OQ ONOL IIVV	TOTTED	
	TORQUE	LR AMPS (9 460 1/	1	1.0	TORQUE		B.D. TOR	OUE	E I DICE	(° C)	
	LB-FT	76.1	19 460 V	86.1	LB-FT	257%	104	LB-FT	310%	F.L. RISE (° C)		
33.5	LB-F1	/6.1		86.1	LB-F1	257%	104	LB-F1	310%	80		
SOLIND	PRESSURE @ 3										I	
300ND F	FT.	SOUND POWER	ROT	OR WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT
55	dBA	64 dBA	1.87	LB-FT ²	1.87	LB-FT ²	15	SEC.	STAN	2	101	KG.
33	UDA	04 UDA	1.07	LD-II	1.07	EB-1 1	10	SEC.		2	101	NG.
					*** CII	PPLEMENTAL INFORMA	TION ***					
		I	MOUNT	I	30	PPLEMENTAL INFORMA		ARDOUS	I		I	
DERR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE	ΝΤΔΤΙΩΝ	SEVERE DUTY		CATION	DRIP COVER	SCREENS	PA	INT
	LANGE-165	STANDARD	B3	HORIZON		NO		IONE	NO	NONE		NAMEL)
	L7 11 100	0174157415	1 50	110111201	11712					110112	5252 (2	in unitity
	ARINGS										I	
DE	ODE	GREASE	SHAI	FT TYPE		SPECIAL DE	SPECIAL ODE SHAFT		SHAFT	MATERIAL FF		MATERIAL
BALL	BALL							-				
6308	6208	POLYREX EM	STANI	DARD IEC	EC NONE		NONE 1045 HOT RO		ROLLED (C-204) CAST IRON		IRON	
0300	0200											
			1	ı		T					I	
TUE:	RMOSTATS	PROTECTORS	WD	3 RTD's		BRG RTD's	THED	MISTORS	COL	NTROL	SPACE	HEATERS
NONE NOT			NONE NONE			IONE	FALSE			IA.		
	NONE	INOT	I IN	ONE		NONE	- 11	IONE		ALOE	r	iA.
R1 (ohms/ph) R2 (ohms/ph)		¥1 (o	ohms/ph) X2 (ohms/ph)		Ym /	ohms/ph)	VIBRATION (in/sec)		FLOAT			
R1 (ohms/ph) I 0.756		0.492		2.685 2.572			3.606	0.150		ODE		
	0.730	0.432		000		2.572		3.000		. 130		DL
*												
N.								INIX	EDTED TODOUE.	CONSTANT 2:1//AF	NARI E 10:1	
N O			INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE									
T							INV. FI	OF LLD RANGE:				
								ENOCE E	NONE			
E								ENCODER:	INOINE			
8				NONE NONE NONE								
_ *							NONE NONE PPR				PPR	
								BRAKE:			_	
l	PREPARED BY:								NONE	NON	E	
l	DATE:	11/27/2020						FT-LB:		NA		
l						ļ.	VOLTAGE: NONE HZ:					
FORM: 35	FORM: 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: TCA5P53AE251GAA009

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

Catalog No : R929

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. Cers

Julian Clark Marketing Engineer

(€ 22