PRODUCT INFORMATION PACKET



Model No: TCA5P53AE211GAA009 Catalog No: R329B

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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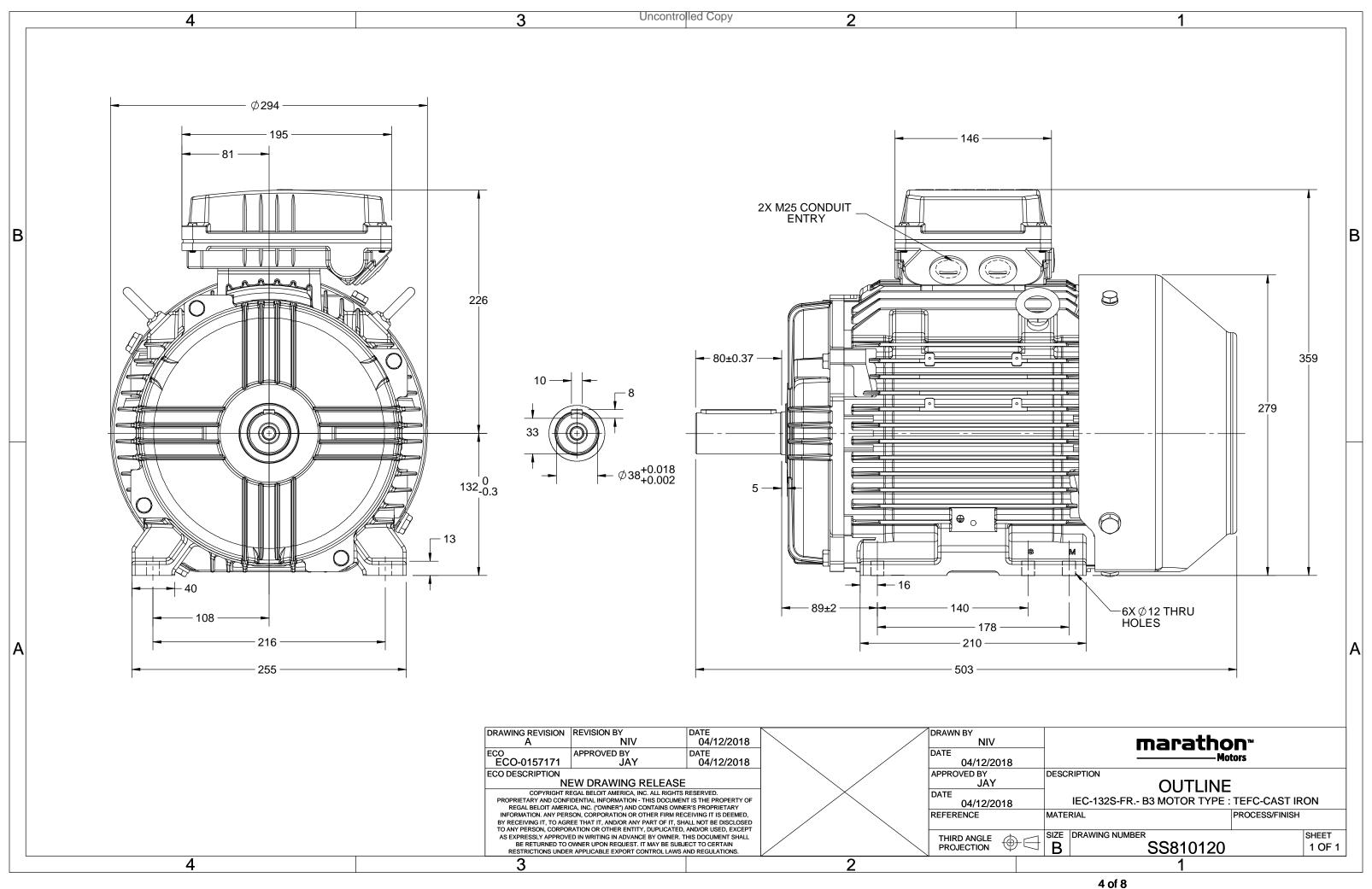
Nameplate Specifications

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	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			
Outline Drawing	SS810120	Connection Drawing	8442000715	

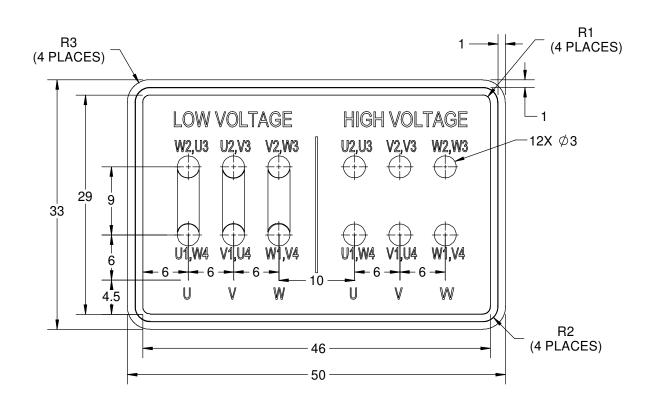
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

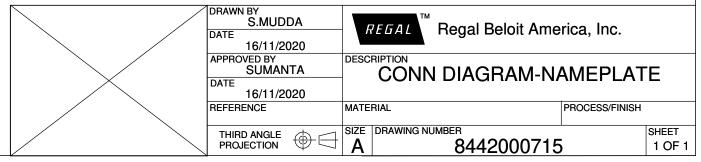
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



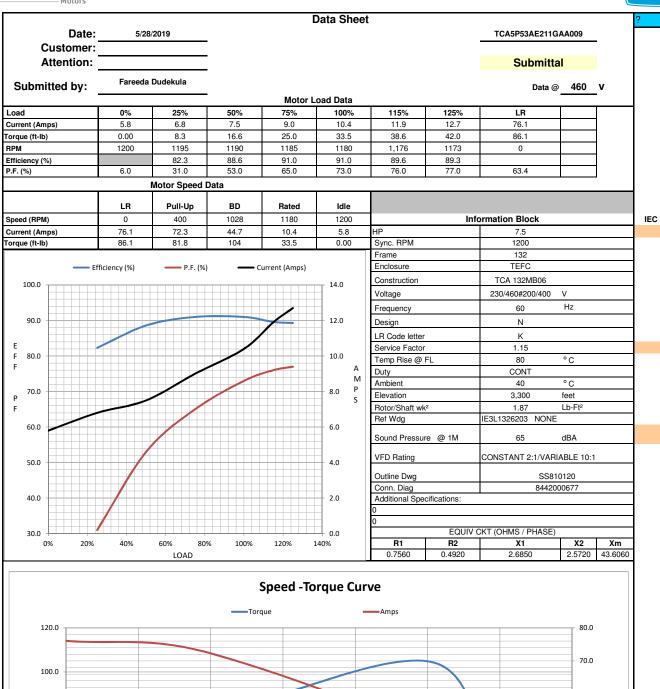
									P.O. BOX 8003				
					WAUSAU, WI 54401-8003								
							PH. 715-675-3311						
									DATA VOLTS:	460			
					CEF	RTIFICATION DATA SI	HEET						
CUSTOME								OMER P.O. #:					
ORDER #:							REFERENCE MODEL #: CAT #: CUSTOMER PART #:					-	
CONN. DIA		8442000677											
OUTLINE:		SS810120	NONE	4				MOUNTING:	F2				
WINDING: SPEED:		IE3L1326203	NONE	1				WOUNTING:	rs				
SPEED.				т	VDIC AI	MOTOR PERFORMA	NCE DA	ТΛ					
	1			<u>'</u>	ITIOAL	MIOTORY ERIORMA	NOL DA	17	1			1	
HP	ĸw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
7.5		1000		100		40014	-		TO 4 40014D00	.,			
7.5	5.6	1200	1	180		132M	ı	EFC	TCA 132MB06	К		N	
PH	HZ	VOLTS	Δ	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	20.8/10	0.4&19/9.5	ı	INE OR INVERTER	С	ONT	F	1.15	40	3300	
	F.L. EFF		3/4 LD EFF	91.0		1/2 LD EFF	88.6	3.6 GTD EFF		ELECT. T			
	F.L. PF	73.0	3/4 LD PF	65.0		1/2 LD PF	53.0	89.7		SQ CAGE INV	/ RATED		
		1											
	. TORQUE	LR AMPS @	460 V			B.D. TORG				± (° C)			
33.5	LB-FT	76.1		86.1	LB-FT	257%	104	LB-FT	310%	80			
SOLIND	PRESSURE @ 3								1				
0001151	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR*	TS/HOUR	APROX.	MOTOR WGT	
55	dBA	64 dBA	1.87	LB-FT ²	1.87	LB-FT ²	15	SEC.	2		100	KG.	
			•						•		•	•	
					*** SU	PPLEMENTAL INFORMA							
			MOUNT TYPE			SEVERE DUTY		RDOUS	DRIP COVER SCREENS				
	ACKET TYPE ANDARD	ODE BRACKET TYPE STANDARD	B3	MOTOR ORIENTATION SEY HORIZONTAL		NO NO		ONE	NO NO			PAINT BLUE (ENAMEL)	
31	ANDARD	STANDARD	- 53	HORIZO	NIAL	NO	IN	ONE	NO	INOINE	BLUE (I	INAIVIEL)	
BI	EARINGS								I				
DE .	ODE	GREASE	SHA	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL FRAM		MATERIAL	
BALL	BALL	POLYREX EM	CTANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6308	6208	POLTREXEM	STAIN	JARD IEC		NONE	IN	ONE	1045 HOT R	(OLLED (C-204)	CASI	IRON	
	•												
											SPACE	HEATERS	
	RMOSTATS	PROTECTORS		RTD's		BRG RTD's		MISTORS		NTROL			
	NONE	NOT	N	ONE		NONE	N	ONE	F.	ALSE	1	NA .	
D4	(ahma/nh)	P2 (ahma/nh)	V1 (a	hma/nh)		V2 (ahma/nh)	Vm (e	hms/ph)	VIDDAT	ION (in/oos)	I 51	OAT	
R1 (ohms/ph) R2 (ohms/ph) 0.756 0.492		0.492		(ohms/ph) X2 (ohms/ph) 2.685 2.572			3.606	VIBRATION (in/sec) 0.150		FLOAT ODE			
	0.730	0.492		.000		2.312	4	5.000		.130		DL	
*													
N								INV	ERTER TORQUE:	CONSTANT 2:1/VAF	RIABLE 10:1		
0				INV. HP SPEED RANGE: NONE									
Т	T												
E				ENCODER: NONE									
s								NONE					
*								NONE			NONE	PPR	
								BRAKE:					
	PREPARED BY:						NONE NONE						
	DATE:	11/16/2020						FT-LB:		NA			
FORM: 05	24 DEV 4	0/07/00						VOLTAGE:		IONE		HZ:	
FORM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC								

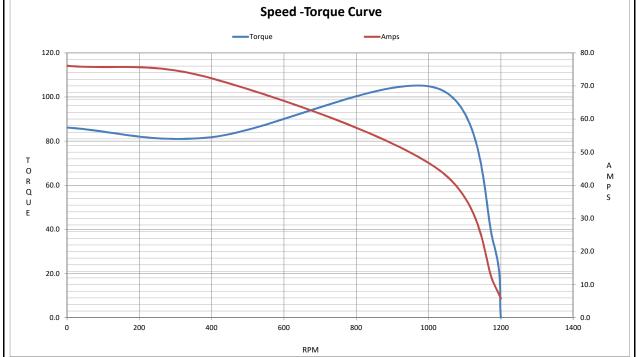














EC Declaration of Conformity

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: TCA5P53AE211GAA009

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

Catalog No: R329B

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