PRODUCT INFORMATION PACKET



Model No: TCA7P52AE211GAA009 Catalog No: R331B

Cast Iron Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 132M Frame,

TEFC





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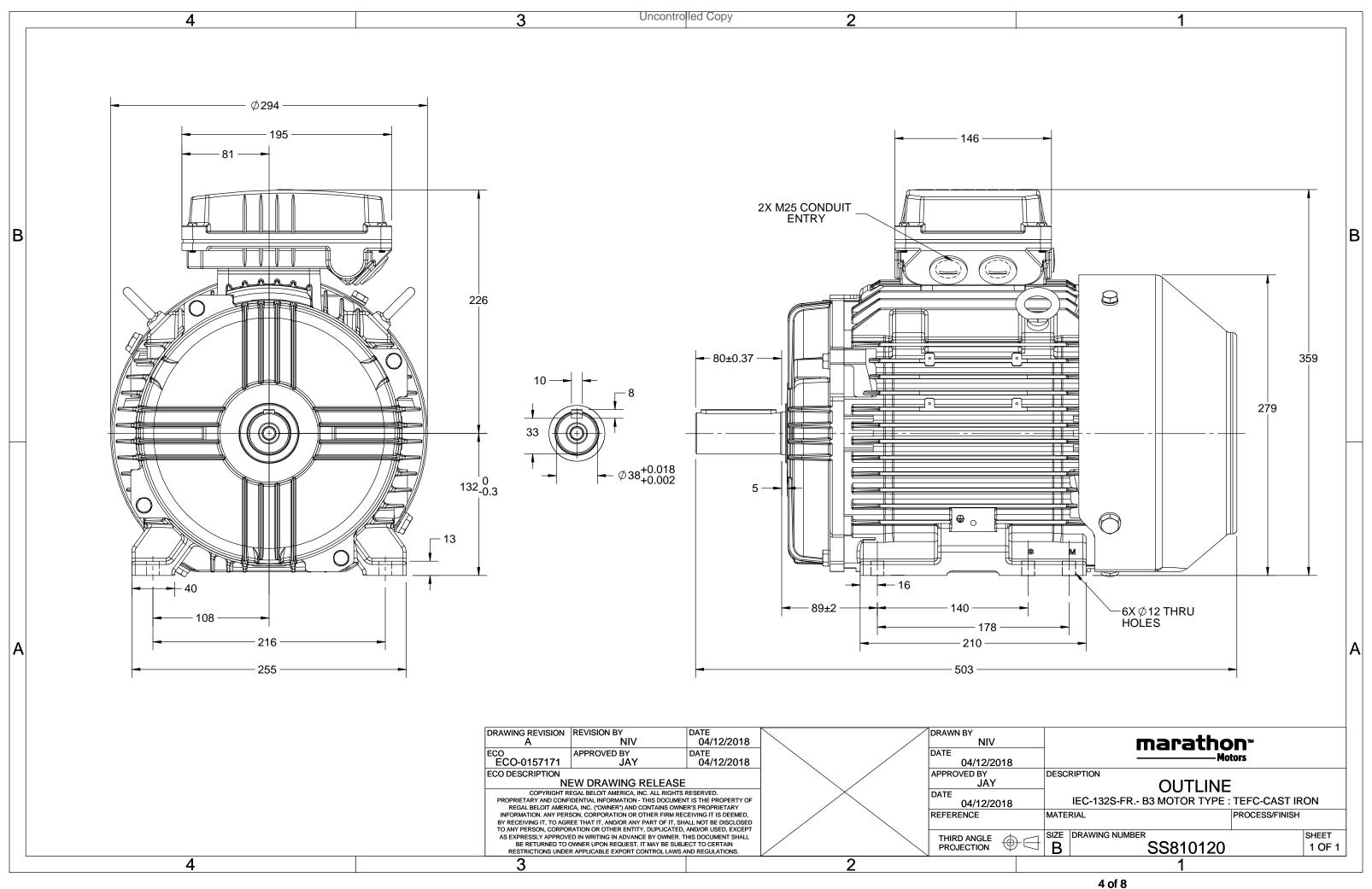
Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp 230/460 & 200/400 V				
Output KW	7.5 & 5.5 kW	Voltage					
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15				
Frame	132M	Enclosure Totally Enclosed F					
Thermal Protection	No Protection	Efficiency	91.7 & 89.6 %				
Ambient Temperature	40 °C	Frequency	60 & 50 Hz				
Current	25.4/12.7 & 22.6/11.3 A	Power Factor	81				
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 Reversible		
Poles	4	Rotation			
Resistance Main	1.05 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				
Connection Drawing	8442000715	Outline Drawing	SS810120		

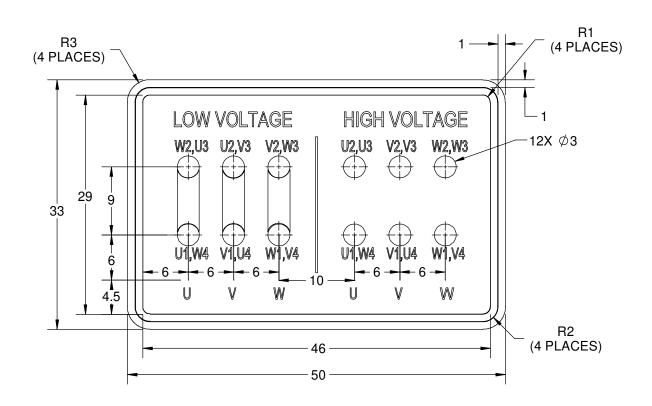
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

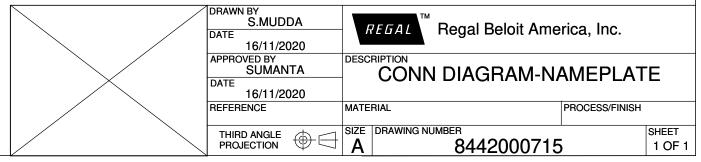
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



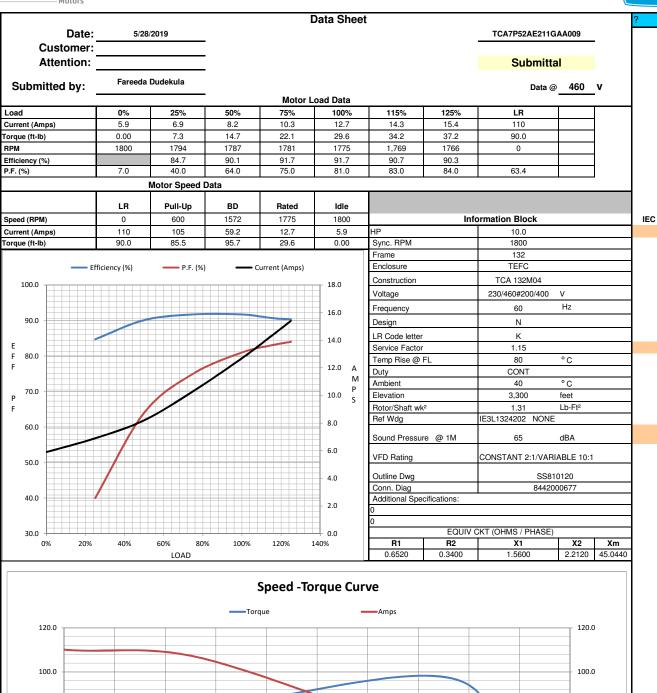
						P.O. BOX 8003							
							WAUSAU, WI 54401-8003						
					PH. 715-675-3311								
									DATA VOLTS:	460			
					CE	RTIFICATION DATA S	HEET						
CUSTOMER: CUSTOMER P.O. #:													
ORDER #:							REFERENCE MODEL #:		TCA7P52AE211G	AA009			
CONN. DIA	AGRAM:	8442000677		•				CAT #:	R	331B			
OUTLINE:		SS810120				CUSTOMER PART #:							
WINDING:		IE3L1324202	NONE	1				MOUNTING:				•	
SPEED:													
		-		T	YPICAL	MOTOR PERFORMA	NCE DA	TA					
HP	ĸw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE TYPE		TYPE	KVA CO	DDE	DESIGN	
10	7.5	1800		1775		132M	1	EFC	TCA 132M04	к		N	
			•						•				
PH	HZ	VOLTS	Δ	MPS		START TYPE	Г	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400		7&22.6/11.3		INE OR INVERTER		ONT	F	1.15	40	3300	
ا ا	00/00	2001700#2001400	20.4/12.	. WEE.UI I I.U		OIV HAVEIVIEIV			<u>'</u>	1.13	1 70	5500	
	F.L. EFF	01.7	3/4 LD EFF	91.7		1/2 LD EFF	90.1	GTD EFF	I	ELECT. T	VDE		
	F.L. PF		3/4 LD PF			1/2 LD PF	64.0	90.5		SQ CAGE INV			
	F.L. FF	61.0	3/4 LD FF	75.0		1/2 LD FF	04.0	90.5		3Q CAGE IIV	KATED		
				I							40.00	I	
	TORQUE	LR AMPS @	460 V			TORQUE		B.D. TOR					
29.6	LB-FT	110		90.0	LB-FT	304%	95.7	LB-FT	323%	80			
									,				
SOUND	PRESSURE @ 3	SOUND BOWER		OR WK²			0.455.0		07.40	TO ILLOUID	ADDOV		
	FT.	SOUND POWER				MAX. LOAD WK ²		TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT	
65	dBA	74 dBA	1.31	LB-FT ²	1.31	LB-FT ²	10	SEC.		2	98	KG.	
					*** \$11	PPLEMENTAL INFORMA	TION ***						
		ı	MOUNT	1	30	FFEEWENTAL INFORMA		ARDOUS			ı		
DERR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE	ΝΤΔΤΙΩΝ	SEVERE DUTY		CATION	DRIP COVER	SCREENS	РΔ	INT	
	ANDARD	STANDARD	B3	HORIZON		NO		IONE	NO	NONE		NAMEL)	
	7.1.107.11.10	0174157415		11011201	*****					110112	5252 (2	in unitile)	
	EARINGS		1								I		
DE D.	ODE	GREASE	SHAI	FT TYPE	YPE SPECIAL DE		SPECIAL ODE SHAF		SHAFT	SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL								+		+		
6308	6208	POLYREX EM	STANI	DARD IEC	NONE		NONE 10		1045 HOT ROLLED (C-204)		CAST IRON		
0306	0200												
-		1	1			Т					1		
	RMOSTATS	PROTECTORS	l wo	3 RTD's		BRG RTD's	THE	MISTORS		NTROL	SPACE	HEATERS	
	NONE	NOT		ONE		NONE		IONE		ALSE		IA.	
	NONE	NOI	N	UNE		NUNE	N	IUNE	F	ALSE	N	IA.	
P4	(ahma/nh)	R2 (ohms/ph)	V4 /-	hma/nh)		V2 (ahma/nh)	Vn- /-	hma/nh)	VIDDAT	ION (in/oce)	l	DAT	
				(ohms/ph) X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		FLOAT ODE			
	0.652	0.340	1	.560		2.212	4	5.044	1 0	.150	0	UE	
-													
-										001074170484	NADI E 40.4		
N			INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1										
0								INV. H	P SPEED RANGE:	NONE			
Т													
E								ENCODER:	NONE				
s					NONE								
				NONE NONE PPR				PPR					
								BRAKE:	NONE				
l	PREPARED BY:						NONE NONE						
DATE: 11/16/2020				FT-LB: NA									
				VOLTAGE: NONE HZ:									
FORM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC								

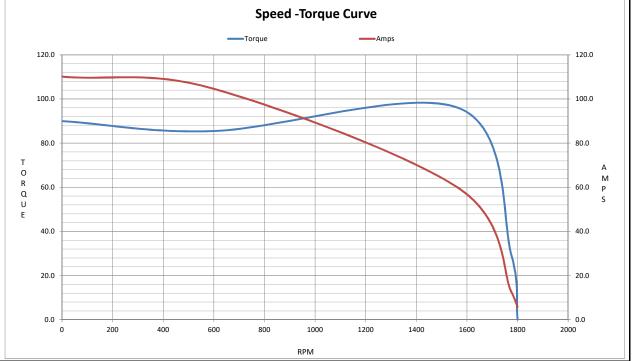














EC Declaration of Conformity

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: TCA7P52AE211GAA009

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

Catalog No : R331B

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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

(€ 22