PRODUCT INFORMATION PACKET



Model No: TCA7P52AE221GAA009

Catalog No: R231

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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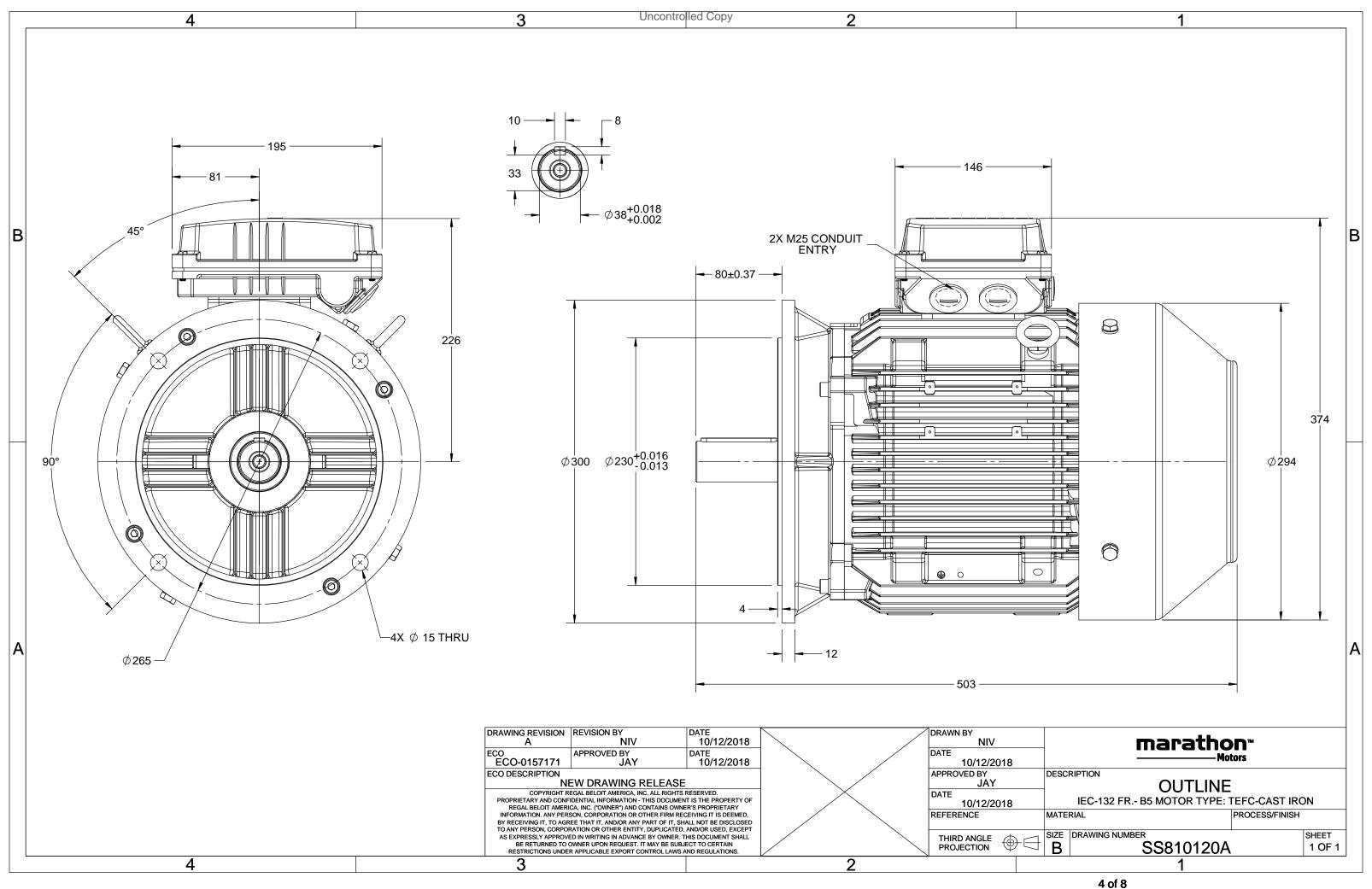
Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp			
Output KW	7.5 & 5.5 kW	Voltage	230/460 & 200/400 V			
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15			
Frame	132M	Enclosure	Totally Enclosed Fan Cooled			
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		
Poles	4	Rotation	Reversible		
Resistance Main	1.05 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	2.36 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Outline Drawing	SS810120A	Connection Drawing	8442000715		

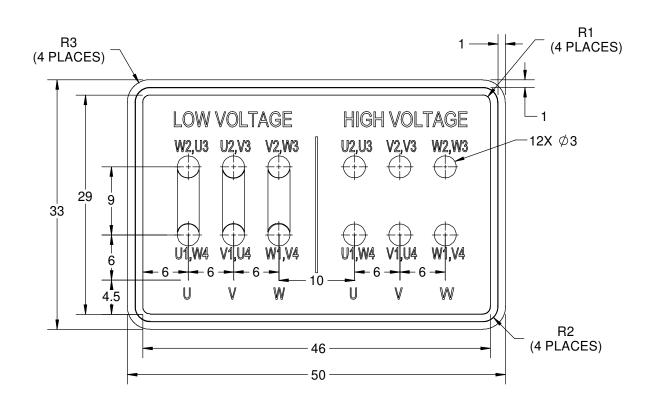
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

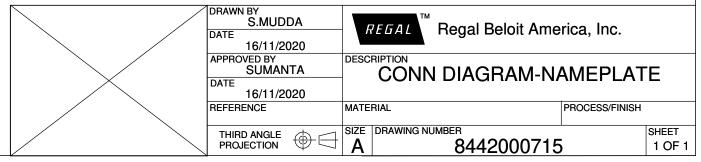
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



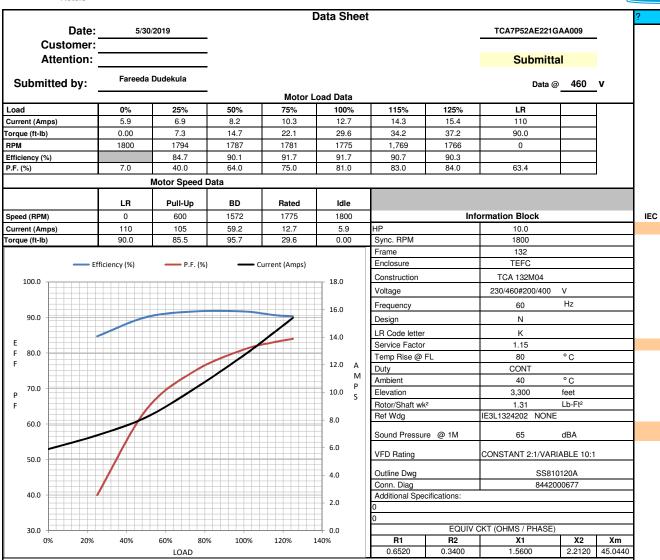
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
							PH. 715-675-3311					
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA S	HEET					
CUSTOME				_				OMER P.O. #:				
ORDER #:							REFERENCE MODEL #:					
CONN. DIA		8442000677						CAT #:	F	R231		
OUTLINE:		SS810120A						MER PART #:				
WINDING:		IE3L1324202	NONE	1				MOUNTING:	F3			
SPEED:				_								
	1			T	YPICAL	MOTOR PERFORMA	NCE DA	TA	1			ı
НР	кw	SYNC RPM	FI	. RPM		FRAME	ENCLOSURE		TYPE KVA C		nne.	DESIGN
		511.51.1 III				. 10 0112	2.101		TIPE RVACO			525.6.1
10	7.5	1800	1	775		132M	Т	EFC	TCA 132MA04	K		N
PH	HZ	VOLTS		MPS		START TYPE		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
3	00/30	230/400#200/400	23.4/12.	/ 0.22.0/11.3		LINE OR INVERTER	U	ONI	Г	1.13	40	3300
	F.L. EFF	91.7	3/4 LD EFF	91.7		1/2 LD EFF	90.1	GTD EFF	1	ELECT. T	YPF	
	F.L. PF		3/4 LD PF	75.0		1/2 LD PF	64.0	90.5		SQ CAGE IN\		
	1.2.11	01.0	0/4 LD 11	70.0		1/2 25 11	04.0	30.0	-	OQ OAGE IIV	TOTILD	
F.L	. TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TOR	ORQUE F.L. R		(° C)	
	LB-FT	110		90.0 LB-FT 304%		95.7	LB-FT	323% 80				
		!				!						
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER			MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT
65	dBA	74 dBA	1.31	LB-FT ²	1.31	LB-FT ²	10	SEC.		2	101	KG.
					*** 611	PPLEMENTAL INFORMA	TION ***					
			MOUNT		50	PPLEMENTAL INFORMA		RDOUS	1		1	
DE BRACKET TYPE ODE BRACKET TYPE		TYPE			SEVERE DUTY	LOCATION		DRIP COVER	R SCREENS		PAINT	
FF-F	LANGE-265	STANDARD	ROUND	HORIZON	NTAL	NO	N	ONE	NO	NONE	BLUE (ENAMEL)	
									•		•	
	EARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
DE	ODE	0.127.02	0			0. 202.222	0. 20		OTTAL 1	MATERIAL FRAME		IIAI EIGAE
BALL	BALL	POLYREX EM	STANI	DARD IEC		NONE	N	ONE	1045 HOT R	OLLED (C-204)	CAST IRON	
6308	6208											
		1							1			
	RMOSTATS	PROTECTORS	WD.	RTD's		BRG RTD's	TUEDI	MISTORS	001	NTROL	SPACE	HEATERS
	NONE	NOT		ONE		NONE		ONE		ALSE	<u> </u>	NA.
	NONE	NOT	IN IN	ONL		NONL	IV	ONL		ALOL		NA.
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph)	Xm (o	hms/ph)	VIBRAT	ION (in/sec)	FL	OAT
		0.340		1.560 2.212		45.044		0.150		ODE		
											•	
*												
N										CONSTANT 2:1/VAF	RIABLE 10:1	
0					INV. HE	SPEED RANGE:	NONE					
	Т											
E								ENCODER:	NONE			
S				NONE								
*								NONE	NONE		NONE	PPR
	DDEDARES ST						BRAKE: NONE					
PREPARED BY:					FT-LB:	NONE	NON	E				
	DATE:	11/10/2020						VOLTAGE:		NA ONE		HZ:
FORM: 25	31 REV 4	2/27/06					111.7		CONST UL REC	ONE		HZ:
i Urtivi. 35	U11XEV_4	2121100					UL:	v - LI,IVIL-INO,	CONST OF IVE			

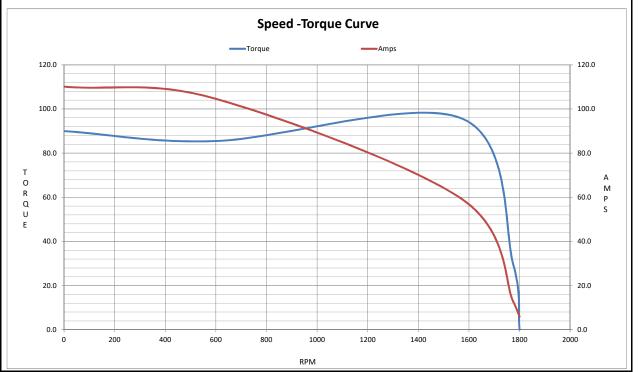














EC Declaration of Conformity

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: TCA7P52AE221GAA009

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

Catalog No: R231 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

C€ 22