PRODUCT INFORMATION PACKET



Model No: TCA5P52AE211GAA009 Catalog No: R328B

Cast Iron Motor, 7.50 & 5.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,

132S Frame, TEFC





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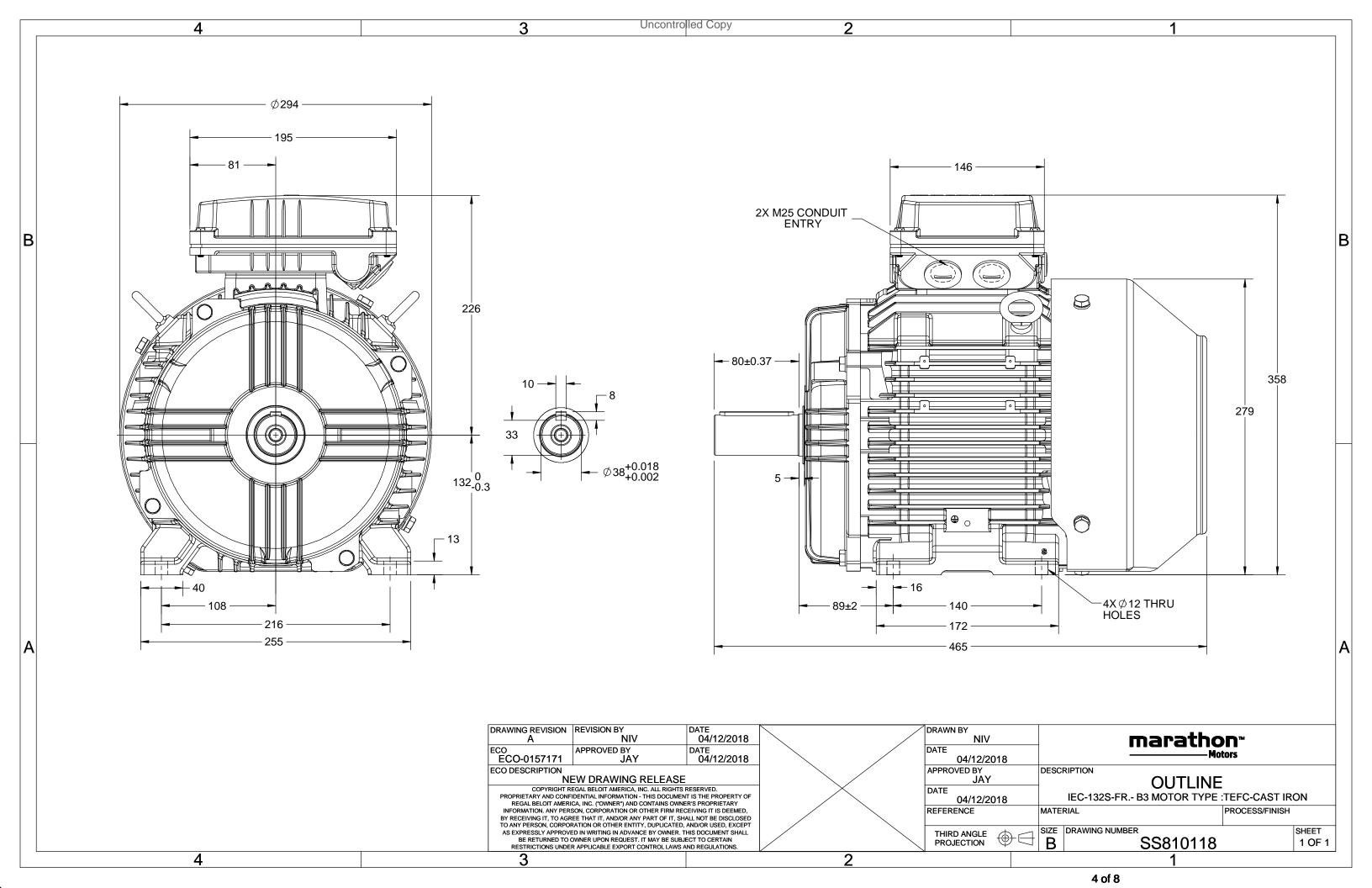
Nameplate Specifications

Phase	3	Output HP	7.50 & 5.50 Hp			
Output KW	5.5 & 4.0 kW	Voltage	230/460 & 200/400 V			
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15			
Frame	132S	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91.7 & 88.6 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	19.6/9.8 & 17.6/8.8 A	Power Factor	77			
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	4	Rotation	Reversible		
Resistance Main	1.56 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	18.31 in		
Frame Length	7.95 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	SS810118	Connection Drawing	8442000715		

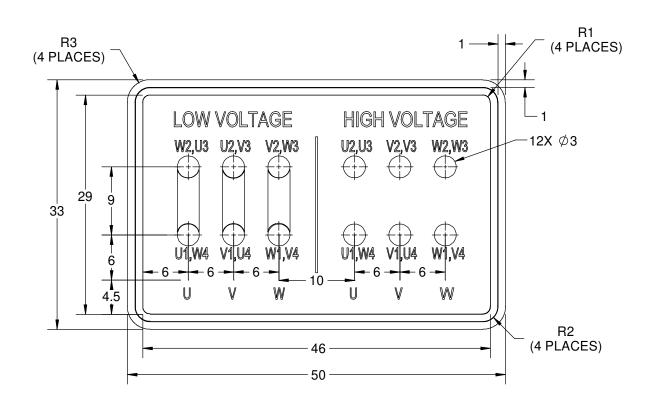
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

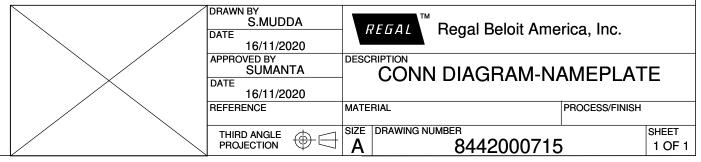
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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.

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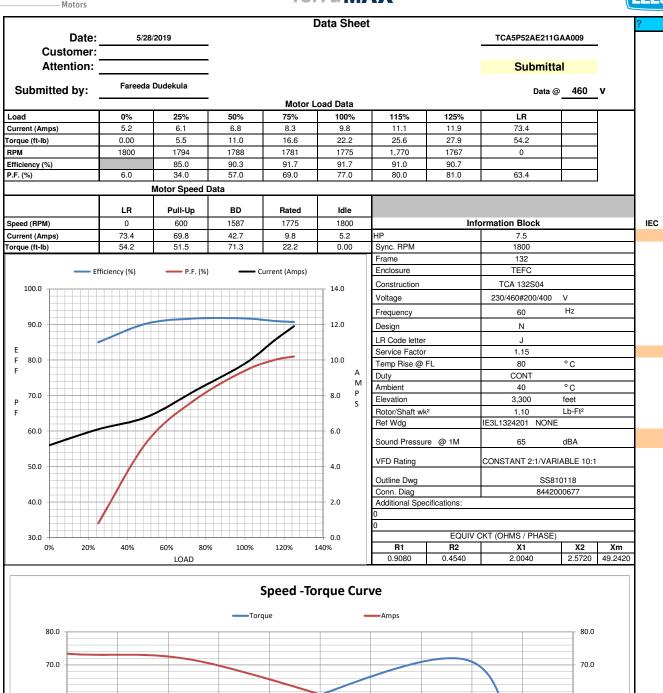
					CEF	RTIFICATION DATA SI	HEET		P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
CUSTOMER: ORDER #: CONN. DIAGRAM: 844:		8442000677				CUSTOMER P.O. #: REFERENCE MODEL #: CAT #:		#: TCA5P52AE211GAA009				
OUTLINE: WINDING: SPEED:		SS810118 IE3L1324201	NONE					MER PART #: MOUNTING:	F3			
НР	kw	SYNC RPM		. RPM	YPICAL	MOTOR PERFORMA FRAME			TYPE	KVA CO	\n_=	DESIGN
		-					ENCLOSURE)DE	
7.5	5.6	1800	1	775		132S	Т	EFC	TCA 132SA04	J		N
PH	HZ	VOLTS	A	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	19.6/9.	8&17.6/8.8	l	INE OR INVERTER		ONT	F	1.15	40	3300
	F.L. EFF	01.7	3/4 LD EFF	91.7		1/2 LD EFF	90.3	GTD EFF		ELECT. T	VDE	
	F.L. PF		3/4 LD PF	69.0		1/2 LD PF	57.0	90.5		SQ CAGE INV		
F.L	TORQUE	LR AMPS @	460 V		L.R. TORQUE B.D. TORG		RQUE F.L. RISE		(° C)			
22.2	LB-FT	73.4		54.2	LB-FT	244%	71.3 LB-FT 321% 75					
SOUND PRESSURE @ 3 FT. SOUND POWER			TOR WK ² MAX. LOAD WK ²		SAFE S	TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT		
65	dBA	74 dBA	1.10	LB-FT ²	1.1	LB-FT ²	10	SEC.		2 92		KG.
					*** SU	PPLEMENTAL INFORMA	TION ***					
	ACKET TYPE	PE ODE BRACKET TYPE TYPE MOTOR ORIENTATION SEVERE DUTY LOCATION DRIP COVER SCREE		SCREENS	PAINT							
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	ONE	NO	NO NONE BLUE		NAMEL)
DE BI	EARINGS ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	SHAFT MATERIAL F		IATERIAL
BALL 6308	BALL 6208	POLYREX EM	STANI	DARD IEC		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
		I			1						I	
	THERMOSTATS PROTECTORS WDG RTD's NONE NOT NONE			BRG RTD's NONE		THERMISTORS NONE		CONTROL FALSE		SPACE HEATERS NA		
		NOT	N	U.1L		INOINE	IN	U.1L	•	I ALUE NA		
R1 (ohms/ph) R2 (ohms/ph)				ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
	0.908	0.454	2	.004		2.572	49	9.242	0	.150	0	DE
* N O T									ERTER TORQUE: P SPEED RANGE:	CONSTANT 2:1/VAF NONE	RIABLE 10:1	
E S *								ENCODER: NONE NONE	NONE		NONE	PPR
	PREPARED BY: DATE:	11/16/2020					BRAKE: NONE NONE NONE FT-LB: NA					
							VOLTAGE: NONE HZ:				HZ:	
FORM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC							

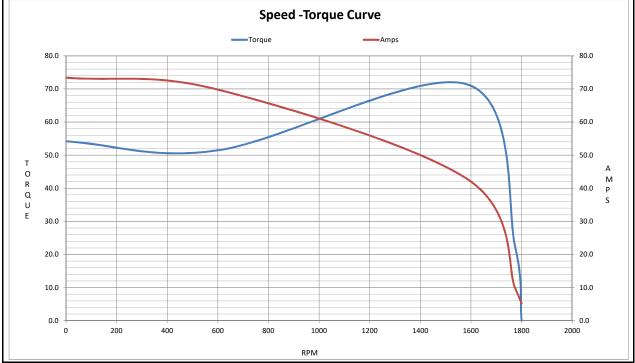














EC Declaration of Conformity

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: TCA5P52AE211GAA009

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

Catalog No: R328B

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