PRODUCT INFORMATION PACKET

Model No: TCA7P52AP211GAA009 Catalog No: R431B Cast Iron Motor, 10 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 132M Frame, TEFC



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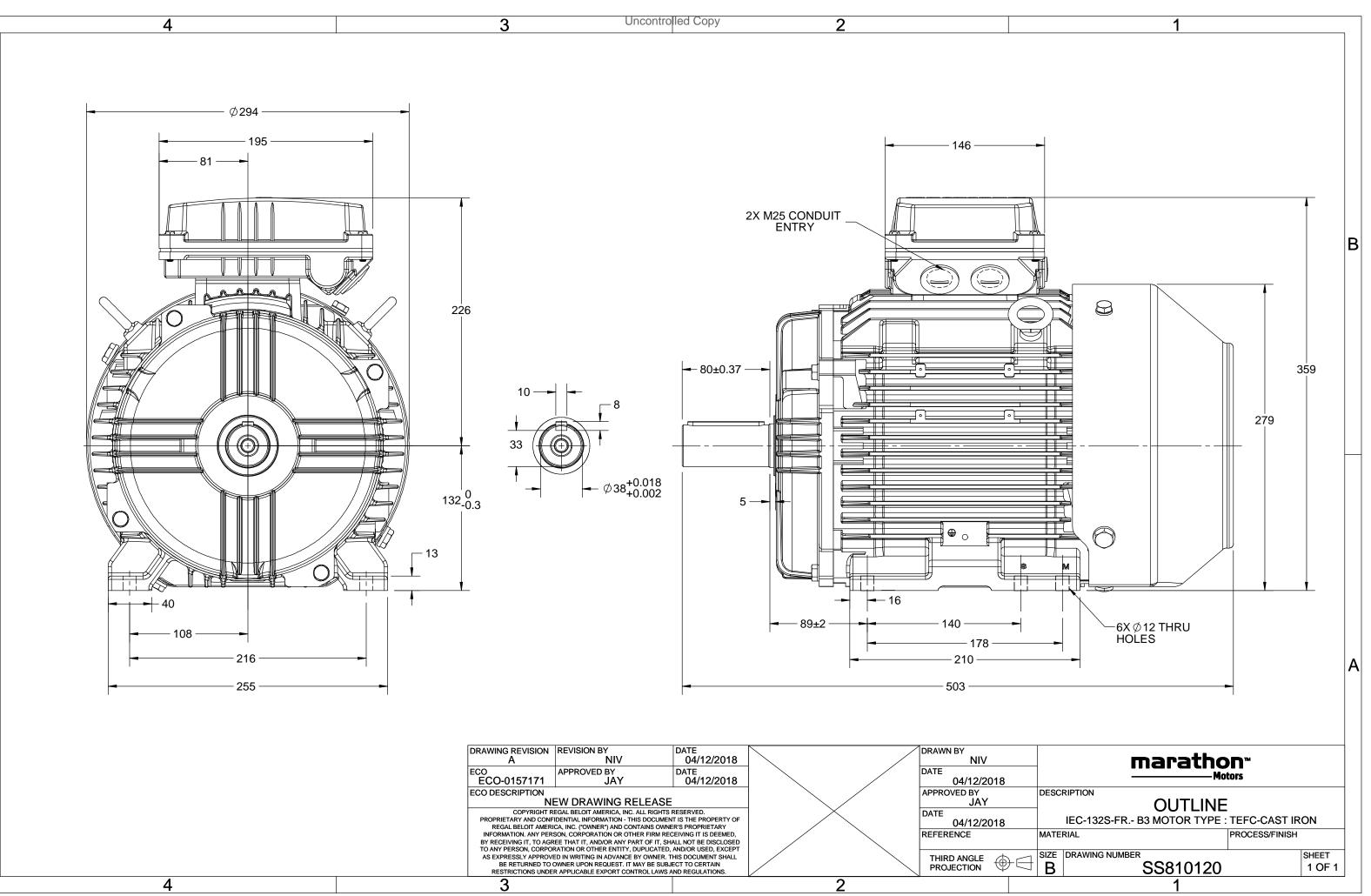
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	10.2 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	к
Frame	132M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Ν
CE	Y	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	B3		
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	8442000685		

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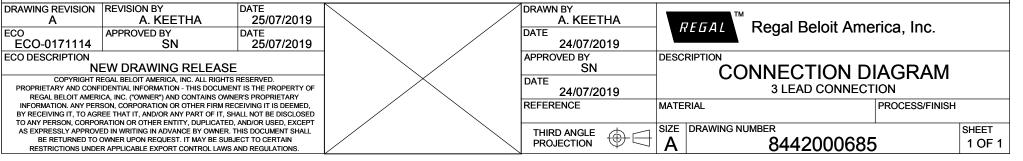
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GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
		Ī
	ϕ_4 τ_4 τ_6 h_4 τ_6 h_{41}	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	DUND LETTERS WILL BE BLACK.	
	INEAR SIZE OF THE TOLERANCE WITHOUT	
THE TOI FRANCE BY THE T		

- THE TOLERANCE BY THE TABLE.
- 4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T2 T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.



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									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-3311 DATA VOLTS:			
					CEI	RTIFICATION DATA SI	HEET					
CUSTOME							CURT	OMER P.O. #:				
ORDER #:									TCA7P52AP211G	AA009		
CONN. DIA		8442000685		-				CAT #:		431B		
OUTLINE:		SS810120				CUSTOMER						
WINDING:		IE3L1324202	NONE	3				MOUNTING:	F3			
SPEED:		_										
				Т	YPICAL	MOTOR PERFORMA	NCE DA	ATA				
HP	ĸw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
10	7.5	1800	1	1775		132M	1	TEFC	TCA 132MA04	К		Ν
РН	HZ	VOLTS	A	MPS		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		10.2		LINE OR INVERTER		CONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF			1/2 LD EFF	90.1	GTD EFF		ELECT. T		
	F.L. PF	81.0	3/4 LD PF	75.0		1/2 LD PF	64.0	90.5		SQ CAGE IN\	/ RATED	
				1								
F.L. 29.6	. TORQUE	LR AMPS @ 88.1	460 V	90.0	L.R. LB-FT	304%	95.7	B.D. TOR	323%	F.L. RISE 80	(°C)	
29.0	LD-FI	00.1		90.0	LD-FI	304%	95.7	LD-FI	32370	80		
SOUND F	PRESSURE @ 3								1		1	
	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	S/HOUR	APROX.	MOTOR WGT
65	dBA	74 dBA	1.31	LB-FT ²	1.31	LB-FT ²	10	SEC.		2	98	KG.
					*** 611	PPLEMENTAL INFORMA						
MOUNT		SUPPLEMENTAL INFORMA		HAZARDOUS		1		1				
DE BRACKET TYPE		ODE BRACKET TYPE	TYPE	MOTOR ORIE	NTATION	SEVERE DUTY	LOCATION		DRIP COVER	SCREENS	REENS PAINT	
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	١	IONE	NO	NONE	BLUE (E	NAMEL)
		1							1		г	
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME	IATERIAL
DE BALL	ODE BALL										+	
6308	6208	POLYREX EM	STAN	DARD IEC		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
											SPACE	HEATERS
	RMOSTATS	PROTECTORS		G RTD's		BRG RTD's		MISTORS		TROL		
	NONE	NOT	N	ONE		NONE	1	IONE	F/	ALSE	N	IA
R1	(ohms/ph)	R2 (ohms/ph)	¥1 (o	hms/ph)		X2 (ohms/ph)	Xm (ohms/ph)	VIBRATI	ON (in/sec)	EL.	DAT
, KI	1.592	0.831		.809		5.402		09.970		.150		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
								BRAKE:	NONE			
	PREPARED BY:								NONE	NON	E	
	DATE:	11/16/2020						FT-LB:		NA		
FORM CT		0/07/00						VOLTAGE:		ONE		HZ:
FORM: 35	SIKEV_4	2/27/06					UL:	v - LI,IVIE-INS,	CONST UL REC			

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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 : TCA7P52AP211GAA009

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

Catalog No : R431B

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer