PRODUCT INFORMATION PACKET

Model No: TCA0032AP211GAA009 Catalog No: R452B Cast Iron Motor, 4 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 100L Frame, TEFC



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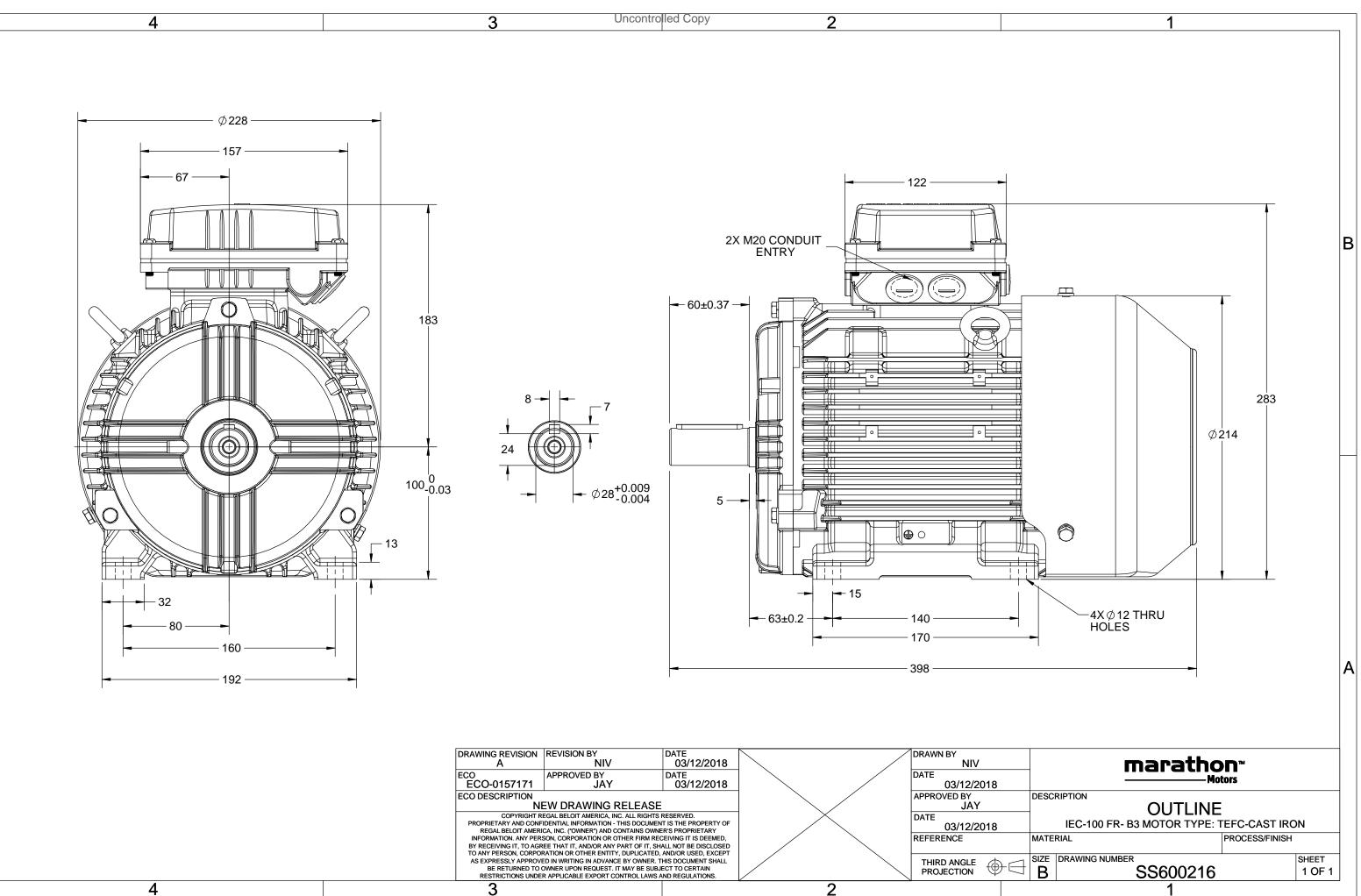
Nameplate Specifications

Output HP	4 Hp	Output KW	3.0 kW
Frequency	60 Hz	Voltage	575 V
Current	4.2 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	L
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	N
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	3.18 Ohms	Mounting	ВЗ
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	15.67 in
Frame Length	7.87 in	Shaft Diameter	1.102 in
Shaft Extension	2.36 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS600216	Connection Drawing	8442000685

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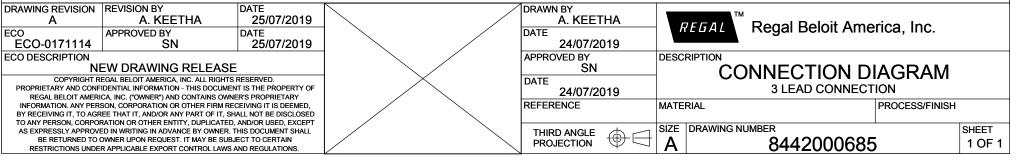
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GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
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	ϕ_4 τ_4 τ_6 h_4 τ_6 h_{41}	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	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	01-8003		
									PH. 715-675-3311	I		
									DATA VOLTS:	575		
					CEF	RTIFICATION DATA SI	HEET					
CUSTOME	R:						CUST	OMER P.O. #:				
ORDER #:				REFERENCE MODE								
CONN. DIA	AGRAM:	8442000685					CAT #:					
OUTLINE: WINDING:		SS600216 IE3L1004202	NONE	3			CUSTO	MER PART #: MOUNTING:	E3			
SPEED:		12021004202	NONE	5				moontinto.	10			
		- 		TY	PICAL	MOTOR PERFORMA	NCE DA	ATA	1			
HP	ĸw	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		ТҮРЕ	KVA CODE		DESIGN
4	3.0	1800	1	765		100L	-	TEFC	TCA 100LB04	L		N
PH	HZ	VOLTS		MPS		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		4.2	I	LINE OR INVERTER	(CONT	F	1.15	40	3300
	F.L. EFF	89.5	3/4 LD EFF	89.5		1/2 LD EFF	86.3	GTD EFF	1	ELECT. T	VPF	
	F.L. PF		3/4 LD EFF	75.0		1/2 LD EFF	64.0	87.9		SQ CAGE IN		
						I						
F.L	. TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORO		RQUE F.L. RIS		(°C)	
11.9	LB-FT	39.1		35.4 LI	B-FT	297%	41.8	LB-FT	351%	80		
COUND	PRESSURE @ 3										T	
SOUND	FT.	SOUND POWER	ROT	DR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT
55	dBA	64 dBA	0.34	LB-FT ²	0.34	LB-FT ²	10	SEC.		2	47	KG.
			•									
			MOUNT		*** SU	PPLEMENTAL INFORMA		ARDOUS			1	
DE BR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	TATION	SEVERE DUTY		CATION	DRIP COVER	SCREENS	PA	INT
	ANDARD	STANDARD	B3	HORIZONT	TAL	NO		IONE	NO	NONE	BLUE (E	NAMEL)
	EARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL
DE BALL	ODE BALL											
6206	6206	POLYREX EM	STANE	DARD IEC		NONE	NONE 1045 HOT		1045 HOT R	ROLLED (C-204) CAST IROI		IRON
	•								•			
THE	RMOSTATS	PROTECTORS	WDG	G RTD's		BRG RTD's	THER	MISTORS	COI	NTROL	SPACE HEATERS	
	NONE	NOT	N	ONE		NONE	١	IONE	F/	ALSE	N	IA
	(- h	D0 (shuns(uh)	¥4.(-	have a factory		VO (share(sh)	Nor (- h	MDDAT	ON (1-1)		
KI.	R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) 4.847 2.770 7.791			X2 (ohms/ph) 14.023		Xm (ohms/ph) 265.400		VIBRATION (in/sec) 0.150		FLOAT ODE		
		20				11.020						52
*												
N										CONSTANT 2:1/VAF	RIABLE 10:1	
O T								INV. HI	SPEED RANGE:	NUNE		
E								ENCODER:	NONE			
S								NONE	=			
*								NONE			NONE	PPR
						F		BRAKE:				
	PREPARED BY:	44/40/0000					NONE NONE					
	DATE:	11/12/2020						FT-LB:		NA ONE		µ 7 .
		0/07/00				-		VOLTAGE:		UNE		HZ:



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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 : TCA0032AP211GAA009

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

Catalog No : R452B

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