PRODUCT INFORMATION PACKET

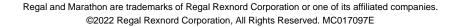


Model No: TCA0031AP211GAA009

Catalog No: R451B

Cast Iron Motor, 4 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 100L Frame, TEFC









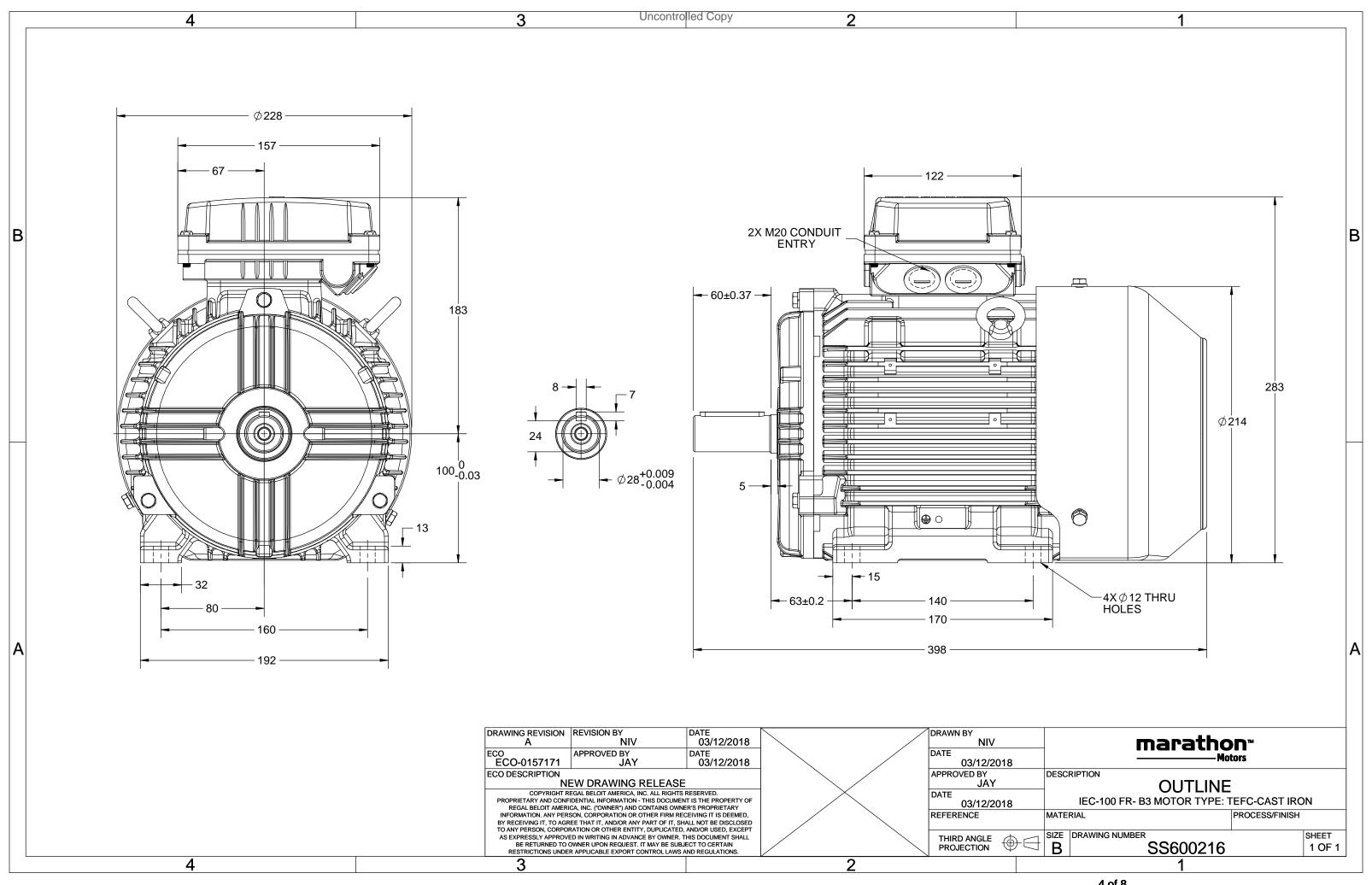
Nameplate Specifications

Output HP	4 Hp	Output KW	3.0 kW
Frequency	60 Hz	Voltage	575 V
Current	3.9 A	Speed	3500 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	К
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	Υ	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

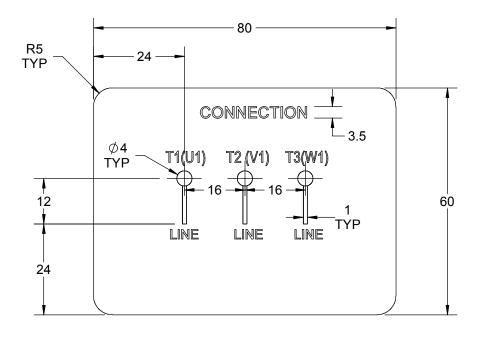
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	3.74 Ohms	Mounting	В3		
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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GENER	RAL TOLERANCE					
	>0~6	±0.1				
LINEAR	>6~30	±0.2				
	>30~120	±0.3				



NOTES:

- 1. PRESSURE-SENSITIVE ADHESIVE TAPE COATED WITH ANTI-ADHESIVE.
- 2. YELLOW COLOR BACK GROUND LETTERS WILL BE BLACK.
- 3. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT 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.

o. o mercent out out of the original of the or									
DRAWING REVISION A	REVISION BY A. KEETHA	DATE 25/07/2019			DRAWN BY A. KEETHA		Regal Beloit Ame	rico Inc	
ECO ECO-0171114	APPROVED BY SN	DATE 25/07/2019			DATE 24/07/2019		Regal Beloit Ame	ilica, ilic.	
ECO DESCRIPTION			1		APPROVED BY	DESC	RIPTION		
NEW DRAWING RELEASE					SN		CONNECTION D	IAGRAM	
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.		1	X	DATE					
PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY				24/07/2019		3 LEAD CONNECT	ION		
INFORMATION, ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED.				REFERENCE	MATE	RIAL	PROCESS/FINISH		
	REE THAT IT, AND/OR ANY PART OF IT,								
	RATION OR OTHER ENTITY, DUPLICAT				<u> </u>	1 SIZE	DRAWING NUMBER		OLIEET
	ED IN WRITING IN ADVANCE BY OWNE				THIRD ANGLE	1 3125			SHEET
	OWNER UPON REQUEST. IT MAY BE S		/		PROJECTION	⊺∣ Δ	8442000685	5	1 OF 1
RESTRICTIONS UNDE	R APPLICABLE EXPORT CONTROL LAV	VS AND REGULATIONS.	I /		J	· /	0 11 200000	,	. 🗸 .



TerraMAX[™]



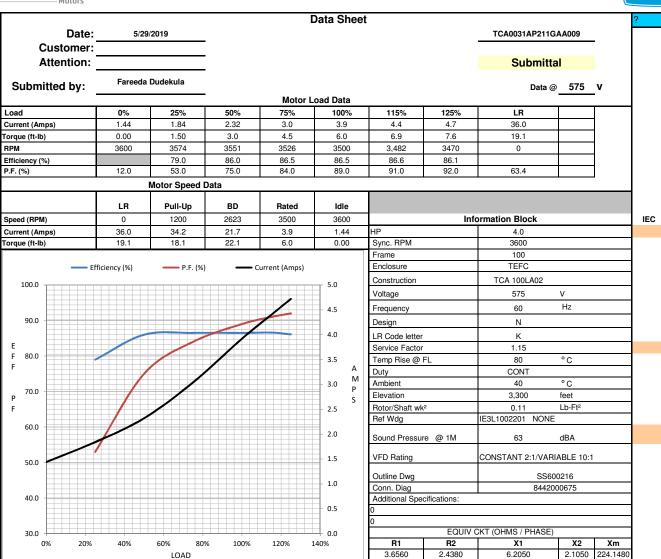
									P.O. BOX 8003			
							WAUSAU, WI 54401-8003					
PH. 715-675-3311									1			
									DATA VOLTS:	575		
	CERTIFICATION DATA SHEET											
	CENTIFICATION DATA STILE!											
CUSTOME	:В.						CHET	OMER P.O. #:				
ORDER #:							REFERENCE MODEL #: TCA0031AP211GAA009					
CONN. DIA		8442000685					CAT #: R451B					
OUTLINE:		SS600216					CUSTOMER PART #:					
WINDING:		IE3L1002201	NONE	3				MOUNTING:	F3			
SPEED:		12021002201	HOLLE	ŭ								
		•		т	YPICAL	MOTOR PERFORMA	NCE DA	TΔ				
HP	KW	SYNC RPM	FL	. RPM	FRAME		ENCLOSURE		TYPE	KVA CODE DES		DESIGN
4	3.0	3600		3500		100L	_	EFC	TCA 100LA02			N
4	3.0	3000		5500		100L	· '	EFC	TCA TOULAUZ	K		IN
PH	HZ	VOLTS	ΑΑ	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		3.9	l	INE OR INVERTER	С	ONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF	86.5		1/2 LD EFF	86.0	GTD EFF		ELECT. T		
	F.L. PF	89.0	3/4 LD PF	84.0		1/2 LD PF	75.0 84.5 SQ CAGE INV RATED					
		ı										
	TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORQ				(° C)	
6.0	LB-FT	36.0		19.1	LB-FT	318%	22.1	LB-FT	368%	80		
SOLIND	DESCRIBE @ 3											
SOUND PRESSURE @ 3 FT. SOUND POWER		SOUND POWER	ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT
63	dBA	72 dBA		LB-FT ²	0.11 LB-FT ²		7 SEC.		2			KG.
			,						•		•	
					*** SUI	PPLEMENTAL INFORMA						
			MOUNT TYPE			OFWEDE DUTY		RDOUS	DRIP COVER SCREENS			
	ACKET TYPE ANDARD	ODE BRACKET TYPE STANDARD	B3		OR ORIENTATION SEVERE DUTY HORIZONTAL NO		LOCATION NONE		NO NO	NONE	PAINT BLUE (ENAMEL)	
51	ANDARD	STANDARD	ВЗ	HURIZUI	NIAL	NU	IN.	ONE	NO	NONE	BLUE (E	INAIVIEL)
RF	EARINGS										I	
DE	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL
BALL	BALL						NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6206	6206	POLYREX EM	STANL	DARD IEC		NONE	N	ONE	1045 HOT F	OLLED (C-204)	CASI	IRON
						-			•		•	
											SPACE	HEATERS
THERMOSTATS PROTECTORS			DG RTD's BRG RTD's			THERMISTORS		CONTROL				
	NONE	NOT	N	NONE		NONE		ONE	FALSE		NA	
R1 (ohms/ph) R2 (ohms/ph)			ohms/ph) X2 (ohms/ph)			Xm (ohms/ph) 350.231		VIBRATION (in/sec) 0.150		FLOAT ODE		
	5.713	3.809	9	.695		3.289	35	0.231	Ι	1.150	0	DE
*												
N								INVE	RTER TOROUE:	CONSTANT 2:1/VAR	NABLE 10:1	
O T						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE						
E							ENCODER: NONE					
S						NONE NONE						
							NONE			NONE	PPR	
							BRAKE:	NONE				
PREPARED BY:						N	IONE	NONI	E			
DATE: 11/10/2020						FT-LB: NA						
							VOLTAGE: NONE HZ:					
FORM: 3531 REV_4 2/27/06						UL: V - LI,ME-INS,CONST UL REC						

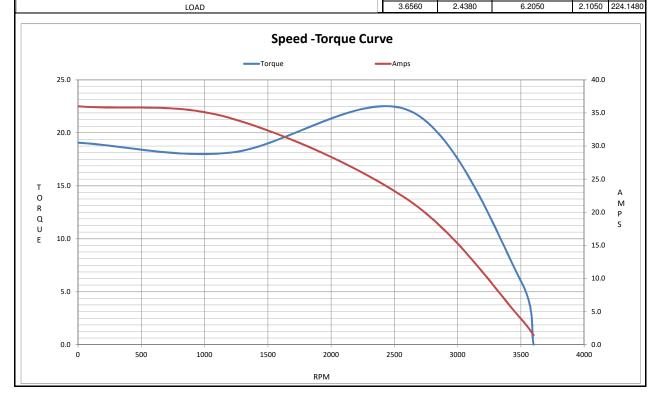














EC Declaration of Conformity

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: TCA0031AP211GAA009

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

Catalog No: R451B

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:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

(€ 22