PRODUCT INFORMATION PACKET

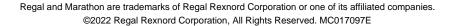


Model No: TCA2P22AP211GAA009

Catalog No: R422B

Cast Iron Motor, 3 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 100L Frame, TEFC









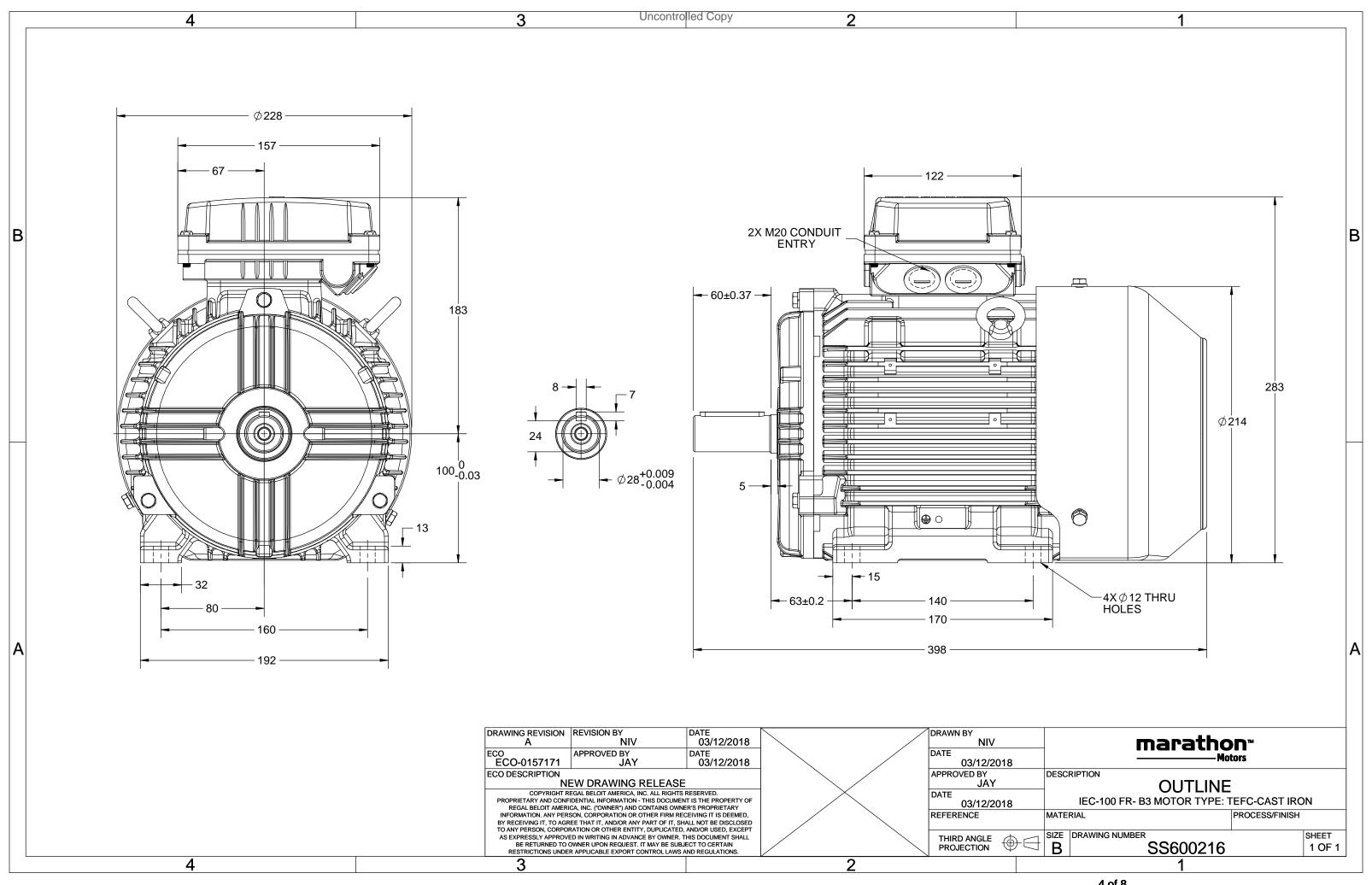
Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	575 V
Current	3.1 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	М
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

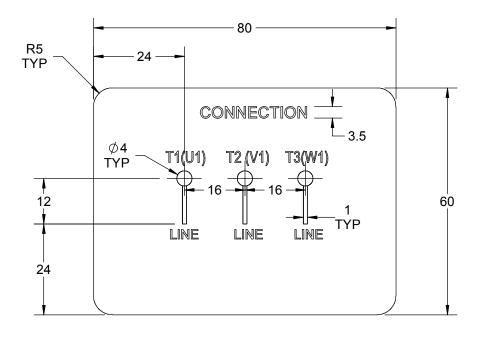
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	4	Rotation	Reversible		
Resistance Main	3.79 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.

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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.	/		J	· /	0 11 200000	,	. 🗸 .



TerraMAX[™]



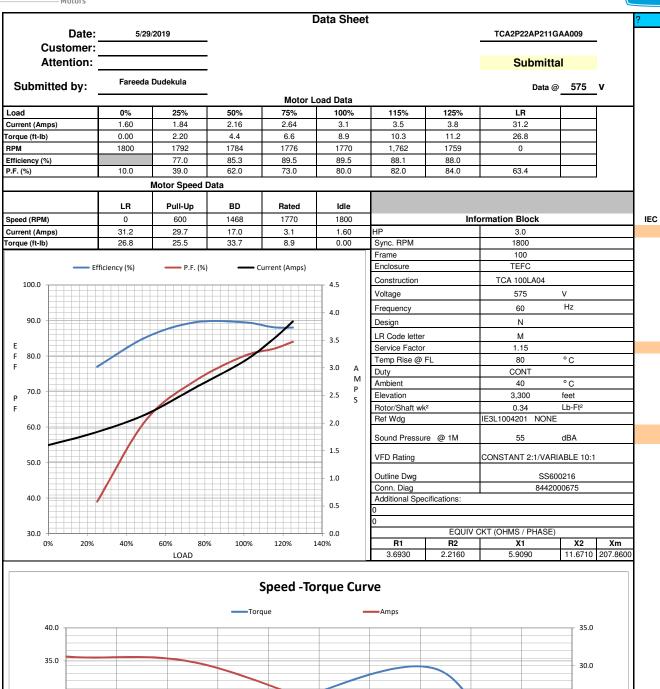
								P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311 DATA VOLTS: 575					
	CERTIFICATION DATA SHEET												
CUSTOMER: ORDER #:					CUSTOMER P.O. #: REFERENCE MODEL #: CAT #:		: TCA2P22AP211GAA009						
OUTLINE: WINDING: SPEED:		8442000685 \$\$600216 IE3L1004201	NONE	3		CAT #: R422B CUSTOMER PART #: MOUNTING: F3							
	TYPICAL MOTOR PERFORMANCE DATA												
HP 3	2.2	SYNC RPM 1800		. RPM 1770		FRAME 100L			TYPE			DESIGN N	
	2.2	1000		1770		100L	TEFC		TCA 100LA04 M		N		
PH 3	HZ 60	VOLTS 575		MPS 3.1		START TYPE LINE OR INVERTER		UTY ONT	INSL F	S.F. 1.15	AMB (° C) 40	ELEV.(Ft.) 3300	
	F.L. EFF		3/4 LD EFF	89.5	l .	1/2 LD EFF	85.3	GTD EFF	ELECT. TYPE		•		
	F.L. PF		3/4 LD PF		1/2 LD PF 62.0 87.9				SQ CAGE INV RATED				
F.L 8.9	TORQUE LB-FT	LR AMPS @ 31.2	460 V	26.8	L.R. TORQUE LB-FT 301%		B.D. TORO		QUE F.L. RISE 379% 80		(° C)		
	PRESSURE @ 3	31.2		20.0	I	3017/	55.7		1	00			
55	FT.	SOUND POWER 64 dBA	0.34	OR WK ² LB-FT ²	MAX. LOAD WK ² 0.34 LB-FT ²		SAFE STALL TIME 10 SEC.		STARTS/HOUR 2		APROX.	MOTOR WGT	
- 55	4571	0. u D/1	`			PPLEMENTAL INFORMA		020.				11.01	
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE	ENTATION SEVERE DUTY		HAZARDOUS LOCATION DRIP CO		DRIP COVER	SCREENS	PAINT		
ST	TANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (E	ENAMEL)	
DE B	EARINGS ODE	GREASE	SHA	FT TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL 6206	BALL 6206	POLYREX EM	STAN	DARD IEC	NONE		N	ONE	1045 HOT R	OLLED (C-204)	CAST	CAST IRON	
								SPACE	HEATERS				
THERMOSTATS PROTECTORS NONE NOT				ONE						NTROL ALSE	1	IA	
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)	X2 (ohms/ph)			hms/ph)		ON (in/sec)	FLOAT		
	5.770	3.463	9	.233		18.236	32	4.781	0	.150	0	DE	
· N O T						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
E S						ENCODER: NONE NONE NONE NONE NONE NONE PPR				PPR			
PREPARED BY: DATE: 11/16/2020							BRAKE: NONE NONE NONE NONE FT-LB: NA						
FORM: 35	FORM: 3531 REV_4 2/27/06						VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC						

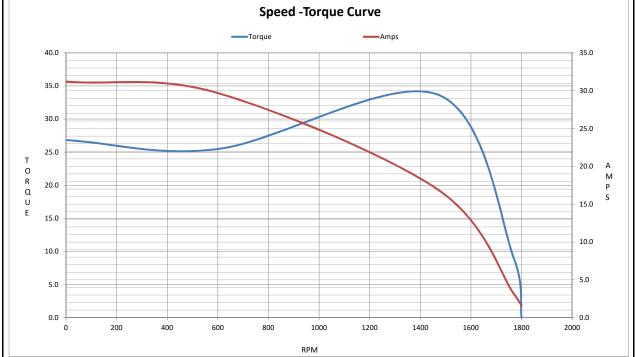














EC Declaration of Conformity

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: TCA2P22AP211GAA009

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

Catalog No: R422B

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. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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