PRODUCT INFORMATION PACKET



Model No: TCA0041AP211GAA009

Catalog No: R424B

Cast Iron Motor, 5.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 112M Frame, TEFC





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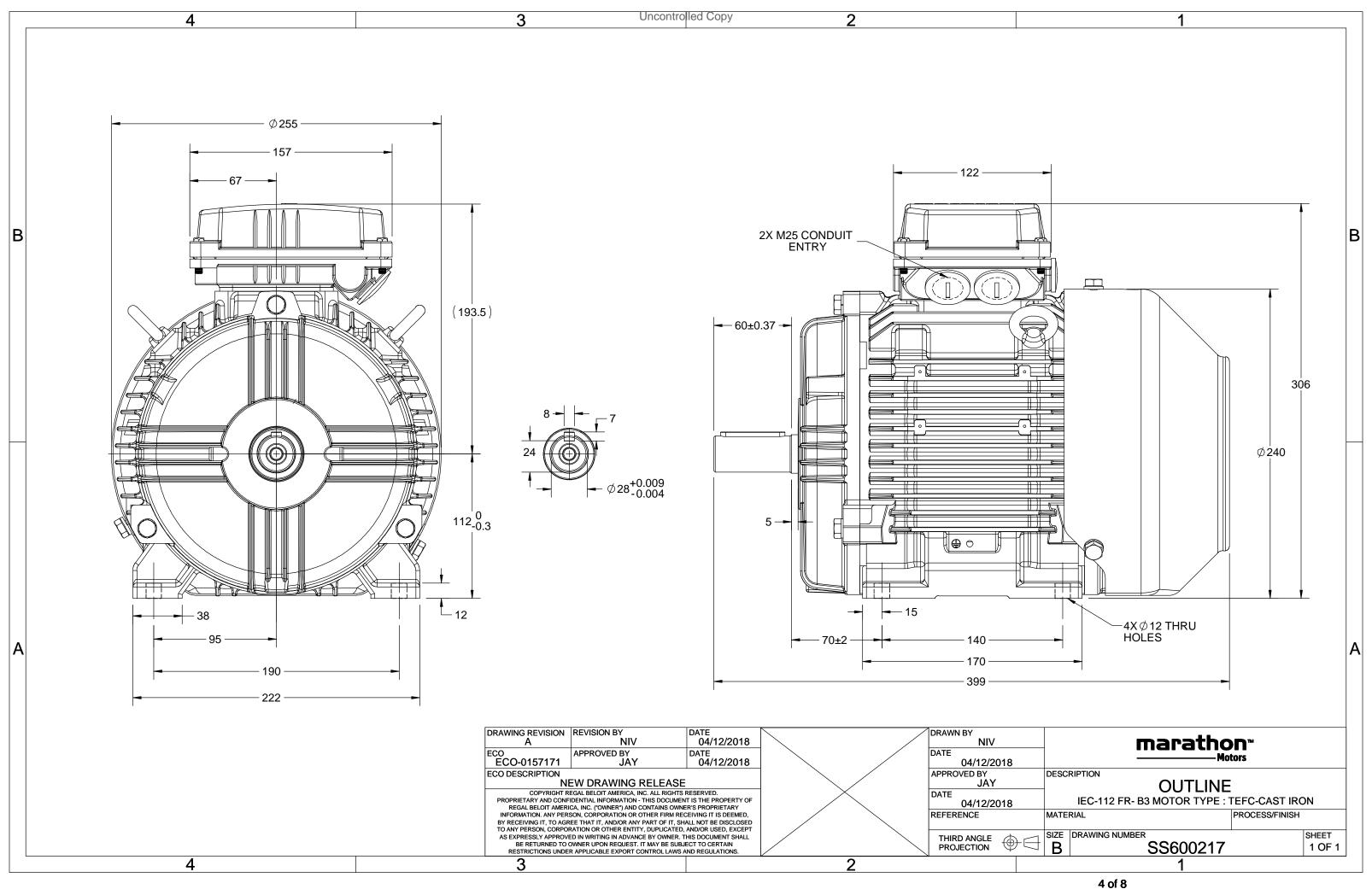
Nameplate Specifications

Output HP	5.50 Hp	Output KW	4.0 kW
Frequency	60 Hz	Voltage	575 V
Current	5.0 A	Speed	3520 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	112M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6306	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	N
CE	Υ	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

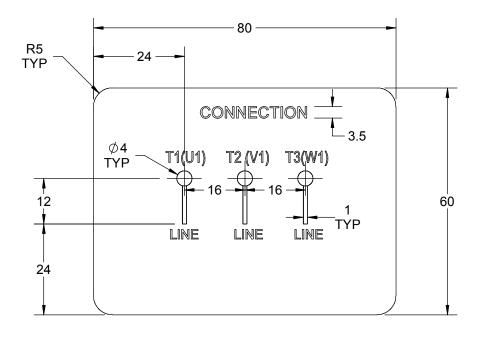
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	3.17 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	15.71 in		
Frame Length	6.85 in	Shaft Diameter	1.102 in		
Shaft Extension	2.36 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000685	Outline Drawing	SS600217		

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GENER	AL TOLE	RANCE	
	>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.

0.011.2112									
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	
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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[™]



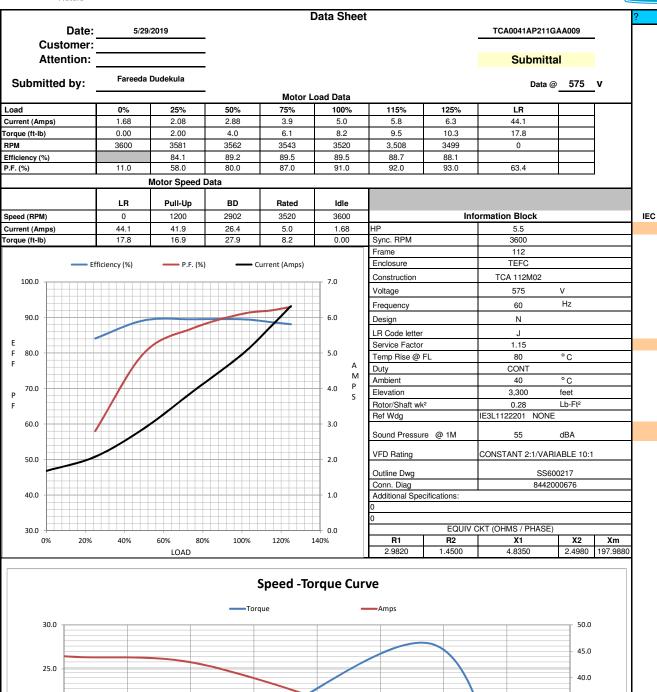
CUSTOME ORDER #: CONN. DI		8442000685			CEF	RTIFICATION DATA SH	CUST	OMER P.O. #: CE MODEL #: CAT #:	TCA0041AP211G	575		l
OUTLINE:		SS600217					CUSTOMER PART #:			4246		
WINDING: IE3L1122201 NONE 3 MOUNTING: F3 SPEED: OPERATION OF THE PROPERTY OF												
	TYPICAL MOTOR PERFORMANCE DATA											
HP	kw	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
5.5	4.1	3600	3	520		112M	TEFC		TCA 112MA02	J		N
	1										•	•
PH 3	HZ 60	VOLTS 575	A	MPS 5		START TYPE LINE OR INVERTER		ONT	INSL F	S.F. 1.15	AMB (° C) 40	3300
	1 60	5/5		5		LINE OR INVERTER		ONI	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF	89.5		1/2 LD EFF	89.2	GTD EFF		ELECT. T		
	F.L. PF	91.0	3/4 LD PF	87.0	1/2 LD PF 80.0 87.9			SQ CAGE INV RATED				
F.L	TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORQ		QUE F.L. RISE		(° C)	
8.2	LB-FT	44.1		17.8 LB-FT 217%		27.9 LB-FT		340% 80				
SOUND PRESSURE @ 3 FT. SOUND		SOUND POWER	ROT	OTOR WK ²		MAX. LOAD WK ²	SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT
68	68 dBA 77 dBA 0.28 LB-FT ²		0.28	LB-FT ²	7	SEC.	2		53	KG.		
					*** SU	PPLEMENTAL INFORMAT	TION ***					
		005 0040/57 7/05	MOUNT TYPE	MOTOR ORIE	MOTOR ORIENTATION SEVERE DUTY		HAZA	ARDOUS	DRIP COVER SCREENS			
	ACKET TYPE TANDARD	ODE BRACKET TYPE STANDARD	B3	HORIZO	2.1171.1011		NONE		NO NO	NONE	PAINT BLUE (ENAMEL)	
												,
BEARINGS GREASE S		SHAF	T TYPE	TYPE SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL 6306	BALL 6206	POLYREX EM	STANE	DARD IEC		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6306	0200				1							
THERMOSTATS PROTECTORS		WDG	G RTD's BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS			
	NONE	NOT		NONE		NONE		IONE	FALSE		NA	
					V (11 (11.)		VIBRATION (in/sec)		FLOAT			
R1 (ohms/ph) 4.659		R2 (ohms/ph) 2.266		hms/ph) .555	X2 (ohms/ph) 3.903		Xm (ohms/ph) 309.356		0.150		ODE	
						!			!			
N O T							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
E S S .							ENCODER: NONE NONE NONE NONE NONE NONE NONE NONE				PPR	
PREPARED BY: DATE: 11/10/2020							BRAKE: NONE NONE NONE NONE NONE N					HZ:
FORM: 35	FORM: 3531 REV_4 2/27/06							UL: V - LI,ME-INS,CONST UL REC				

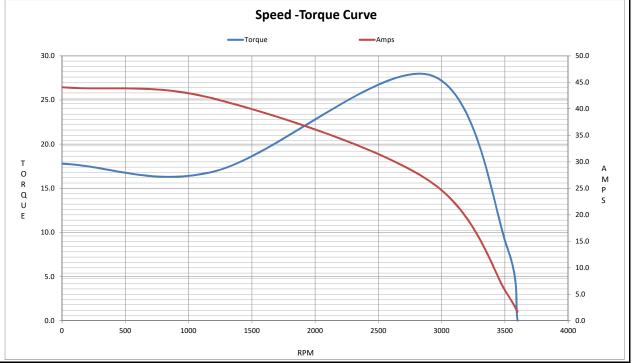














EC Declaration of Conformity

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: TCA0041AP211GAA009

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

Catalog No: R424B

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:

Authorized Representative in the Community: J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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