PRODUCT INFORMATION PACKET



Model No: TCA0041AE221GAA009

Catalog No: R224

Cast Iron Motor, 5.50 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 112M Frame,

TEFC





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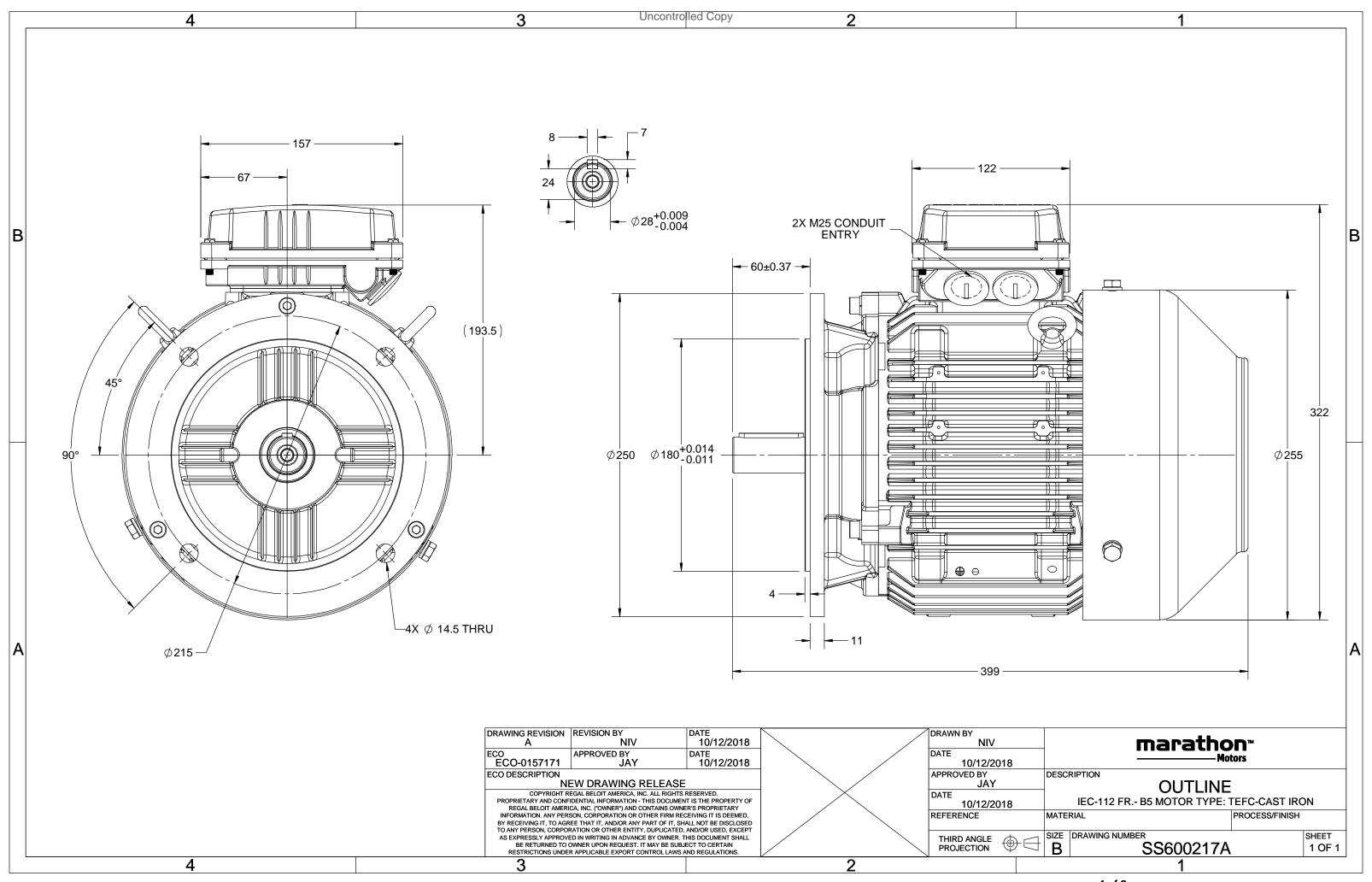
Nameplate Specifications

Phase	3	Output HP	5.50 & 4 Hp
Output KW	4.0 & 3.0 kW	Voltage	230/460 & 200/400 V
Speed	3520 & 2940 rpm	Service Factor	1.15 & 1.15
Frame	112M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 87.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12.4/6.2 & 11.2/5.6 A	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
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

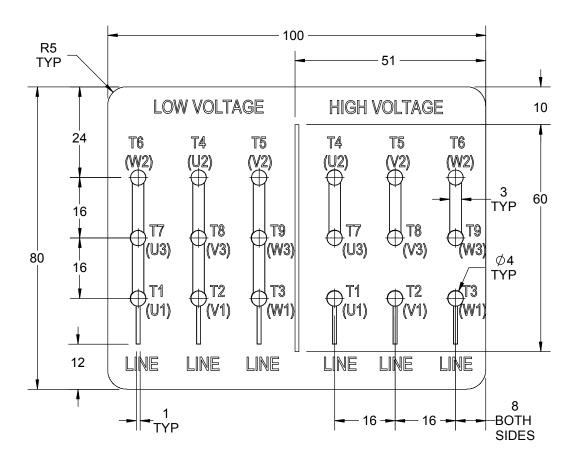
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	3.17 Ohms	Mounting	Round		
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	8442000676	Outline Drawing	SS600217A		

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GENERAL 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-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

DRAWING REVISION C	REVISION BY NIV	DATE 31/01/2019	DRAWN BY NIV	Recal Poloit Amo	orioo Ino		
ECO ECO-0162986	APPROVED BY JAY	DATE 31/01/2019	DATE 29/01/2019	REGAL Regal Beloit Ame	erica, iric.		
ECO DESCRIPTION			APPROVED BY	DESCRIPTION			
UPDATED DRAWINGS			JAY	CONNECTION DIAGRAM			
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF		DATE 29/01/2019	29/01/2019 9 LEAD -DELTA CONNECTION				
REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED,		REFERENCE	MATERIAL	PROCESS/FINISH			
	EE THAT IT, AND/OR ANY PART OF IT, SH						
	ATION OR OTHER ENTITY, DUPLICATED, D IN WRITING IN ADVANCE BY OWNER. 1	, ,	THIRD AND E	SIZE DRAWING NUMBER	SHEET		
BE RETURNED TO C	OWNER UPON REQUEST. IT MAY BE SUB. R APPLICABLE EXPORT CONTROL LAWS	JECT TO CERTAIN	THIRD ANGLE PROJECTION	A 8442000676	-		



TerraMAX[™]



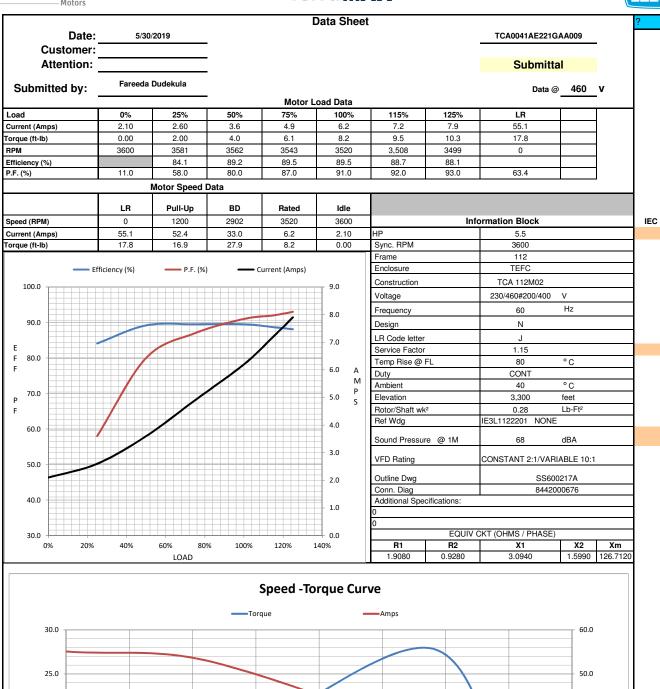
									P.O. BOX 8003				
									WAUSAU, WI 544	101-8003			
									PH. 715-675-331				
									FII. 713-073-331	'			
									DATA VOLTS:	460			
					CEI	RTIFICATION DATA SI	4EET						
					CLI	CIII IOAIION DAIA SI	ILL!						
CUSTOME				_				OMER P.O. #:					
ORDER #:							REFERENC	CE MODEL #:	TCA0041AE221G	AA009			
CONN. DIA	AGRAM:	8442000676						CAT #:	F	R224			
OUTLINE:		SS600217A					CUSTO	MER PART #:					
WINDING:		IE3L1122201	NONE	1				MOUNTING:	E3			•	
		ILSL 1122201	NONE	'				MODINTING.	13				
SPEED:		_		_									
				T	YPICAL	MOTOR PERFORMA	NCE DA	TA					
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENC	OSURE	TYPE	KVA CO	DDE	DESIGN	
5.5	4.0	3600	3	3520		112M	T	EFC	TCA 112MA02	J		N	
PH	HZ	VOLTS	Α	MPS		START TYPE	0	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	12 4/6	2&11.2/5.6		LINE OR INVERTER	C	ONT	F	1.15	40	3300	
_ <u> </u>	00/00	200/100//200/100	12. 170.	EG TT.E.O.O		THE OIL HAVE THE T		0.11		1.10		0000	
		I I											
	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. TOR	QUE	F.L. RISE	(° C)		
	LB-FT	55.1		17.8	LB-FT	217%	27.9	LB-FT	340%	80	1		
0.2	LD-I I	55.1		17.0	LD-I I	21770	21.0	LD-1 1	34070	00			
COLIND I	PRESSURE @ 3			1									
SOUND	FT.	SOUND POWER	BOT.	OR WK²		MAX. LOAD WK ²	CAEEC	TALL TIME	OT AD	rs/Hour	APROX.	MOTOR WGT	
				LB-FT ²	0.28	LB-FT ²			STAR				
68	dBA	77 dBA	0.28	LB-F1-	0.28	LB-F1	7	SEC.		2	55	KG.	
			`										
					*** SU	PPLEMENTAL INFORMA							
			MOUNT					RDOUS					
DE BR	ACKET TYPE	ODE BRACKET TYPE TYPE		TYPE MOTOR ORIENTA		TION SEVERE DUTY		ATION	DRIP COVER	SCREENS	PAINT		
FF-FLANGE-215 STANDARD			ROUND HORIZO		IZONTAL NO		NONE		NO	NONE	BLUE (E	ENAMEL)	
		'				-			•		,	,	
	EARINGS		I										
DE D.	ODE	GREASE	GREASE SHAFT		SHAFT TYPE SPECIAL DE		SPECIAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL		
BALL	BALL	POLYREX EM	STANDARD IEC NONE		NONE	NONE		1045 HOT ROLLED (C-204)		CAST	RON		
6306	6206					-				- (/	-	-	
											00405		
THE	RMOSTATS	PROTECTORS	l woo	3 RTD's		BRG RTD's	THER	MISTORS	COL	NTROL	SPACE	HEATERS	
	NONE	NOT		ONE		NONE		ONE		ALSE		NA .	
	HONE	1401		ONL		HONE		OIL		TLOL		W/ C	
D4	(-b/-b)	DO (above (ab)	V4 (-	h/b\		V2 (-b(-b)	V /-	h (l-)	VIDDAT	ON (:=/==)		OAT	
R1 (ohms/ph)		R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		hms/ph)	VIBRATION (in/sec) 0.150		FLOAT ODE		
	1.908	0.928] 3	.094		1.599	12	6.712	0	.150	0	DE	
*													
N								INV	ERTER TORQUE:	CONSTANT 2:1/VAF	RIABLE 10:1		
0							INV. HP SPEED RANGE: NONE						
T									OI ELD IVAROL.				
E								ENCODER:	NUNE				
s								NONE					
*								NONE			NONE	PPR	
1								BRAKE:	NONE				
1	DDEDADED SY										-		
1	PREPARED BY:								NONE	NON	L		
1	DATE:	11/10/2020						FT-LB:		NA			
1						<u> </u>	VOLTAGE: NONE HZ:						
FORM: 35	ORM: 3531 REV_4 2/27/06							UL: V - LI,ME-INS,CONST UL REC					

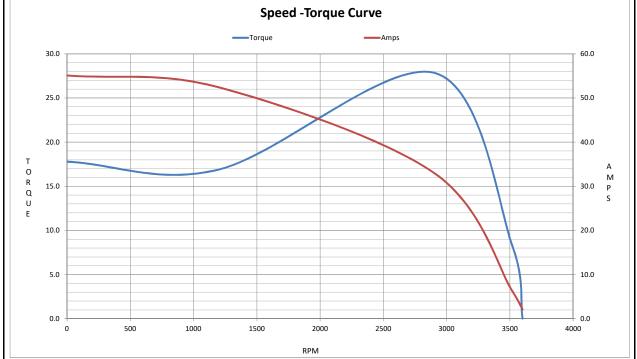














EC Declaration of Conformity

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: TCA0041AE221GAA009

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

Catalog No: R224 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:

J. cerse

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

C€ 22