PRODUCT INFORMATION PACKET





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marathon[®] Motors



Product Information Packet: Model No: TCA0041AE211GAA009, Catalog No:R324B Cast Iron Motor, 5.50 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 112M Frame, TEFC

marathon®

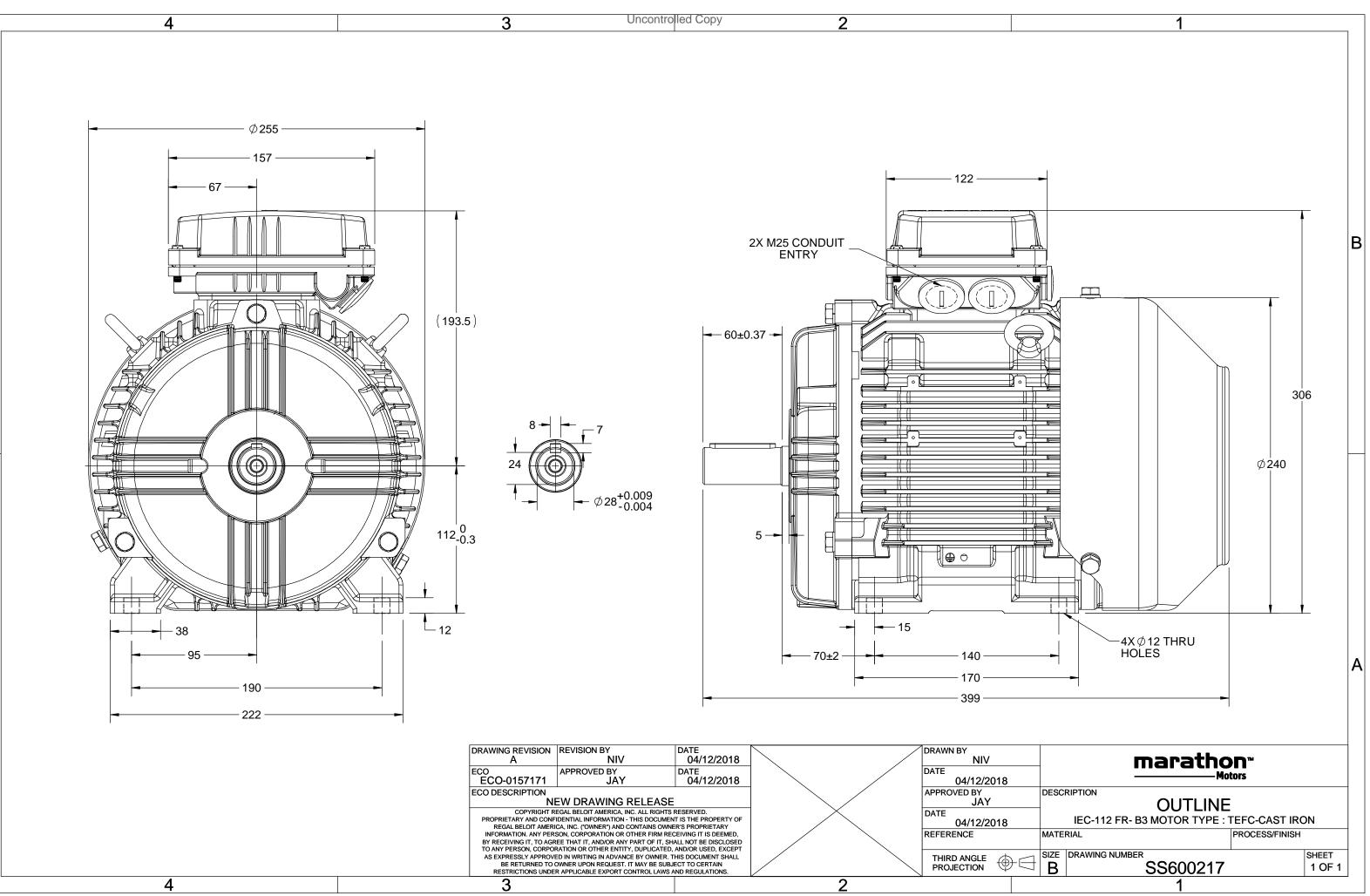
Nameplate Specifications

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	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	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	8442000730	Outline Drawing	SS600217		

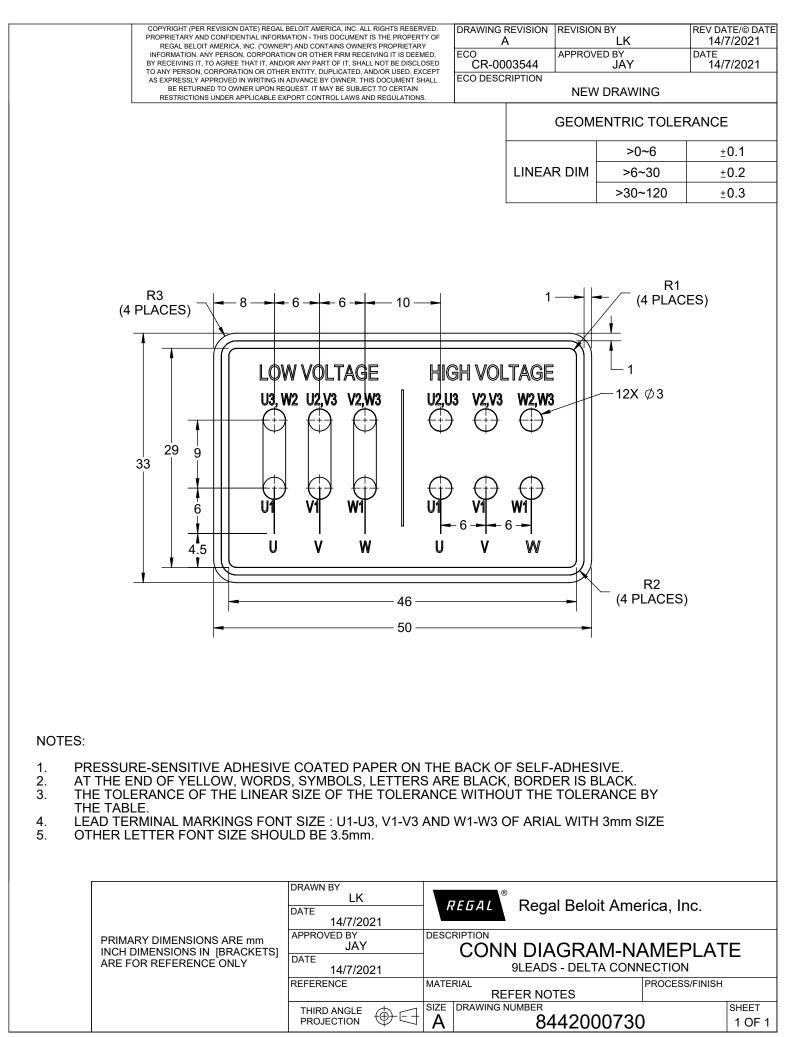
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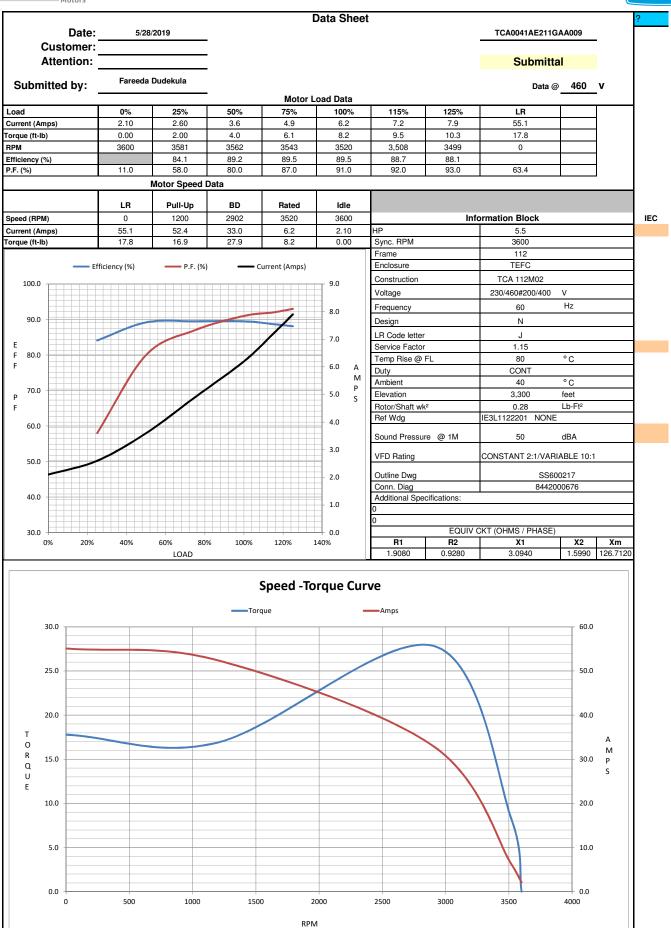
					P.O. BOX 8003							
							WAUSAU, WI 54401-8003					
									PH. 715-675-331	11		
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA SI	HEET					
сизтом								OMER P.O. #:				
ORDER #:						REFERENCE MODEL #: TCA0041AE211GAA009						
CONN. DI	IAGRAM:	8442000676					CAT #: R324B CUSTOMER PART #:					
OUTLINE	:	SS600217										
WINDING	:	IE3L1122201	NONE	1				MOUNTING:	F3			-
SPEED:												
		-		т	YPICAL	MOTOR PERFORMA	NCE DA	TA	1			
HP	кw	SYNC RPM	FL RPM			FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
5.5	4.1	3600		520		112M	7550		TCA 112MA02	J		N
5.5	4.1	3000		520		112M TEFC		TCA 112MA02 J		N		
		101 70			1							
PH	HZ	VOLTS		MPS	<u> </u>			DUTY	INSL F	S.F.	AMB (° C) 40	ELEV.(Ft.)
3	60/50	230/460#200/400	12.4/6.	2&11.2/5.6		LINE OR INVERTER	(CONT	F	1.15	40	3300
	F.L. EFF			00.5			00.0	070 555	1	51 50T -	2/25	
			3/4 LD EFF 3/4 LD PF	89.5		1/2 LD EFF	89.2	GTD EFF		ELECT.		
	F.L. PF	91.0	3/4 LD PF	87.0		1/2 LD PF	80.0	87.9		SQ CAGE IN	VRATED	
												1
		LR AMPS @	460 V	17.0	L.R. TORQUE B.D. TORC				(° C)			
8.2	LB-FT	55.1		17.8	LB-FT	217%	27.9	LB-FT	340%	80		
		I							1		1	
SOUND PRESSURE @ 3 FT. S		SOUND POWER	IND POWER ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX. MOTOR W	MOTOR WGT
68	dBA			LB-FT ²	0.28	LB-FT ²	7 SEC.		2		53	KG.
			``		*** 011							
		1	MOUNT		···· SU	PPLEMENTAL INFORMA		ARDOUS	1			
DE BF	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE	ENTATION SEVERE DUTY		LOCATION		DRIP COVER	SCREENS	PAINT	
	TANDARD	STANDARD	B3	HORIZO			NONE		NO	NONE	BLUE (ENAMEL)	
									1			,
В	BEARINGS	GREASE	01147	T TYPE		SPECIAL DE	005		011457			
DE	ODE	GREASE	SHAP	TITPE	SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIAL	
BALL	BALL		OTAN		NONE		NONE					
6306	6206	POLYREX EM	STAN	DARD IEC		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
		1	1		1				1		1	
THERMOSTATS PROTECTORS		PROTECTORS	WDC	DG RTD's BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS		
1116	NONE	NOT		ONE	NONE		NONE		FALSE		NA	
-	NONE	NOT	I IN	ONE		NONE		NONE	F F	ALGE	1	NA
R1 (ohms/ph) R2 (ohms/ph)		X1 (0	hms/ph) X2 (ohms/ph)		Ym (ohms/ph)	VIRDAT	ION (in/soc)	FLOAT			
R1 (ohms/ph) 1.908		0.928		.094	1.599			26.712	VIBRATION (in/sec) 0.150		ODE	
-	1.900	0.928	3	.094		1.599	14	20.712		J.150	1 0	DE
*												
N										CONSTANT 2.1//A	RIARI E 10-1	
Ö							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
-							INV. HP	SPEED RANGE:	NONE			
т							NONE					
E							ENCODER: NONE					
S					NONE							
*						NONE			NONE	PPR		
					BRAKE:							
	PREPARED BY:				NONE NONE							
1	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							

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www.regalbeloit.com

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 : TCA0041AE211GAA009

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

Catalog No : R324B

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