PRODUCT INFORMATION PACKET

Model No: TCA0042AP211GAA009 Catalog No: R425B Cast Iron Motor, 5.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 112M Frame, TEFC



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Motors





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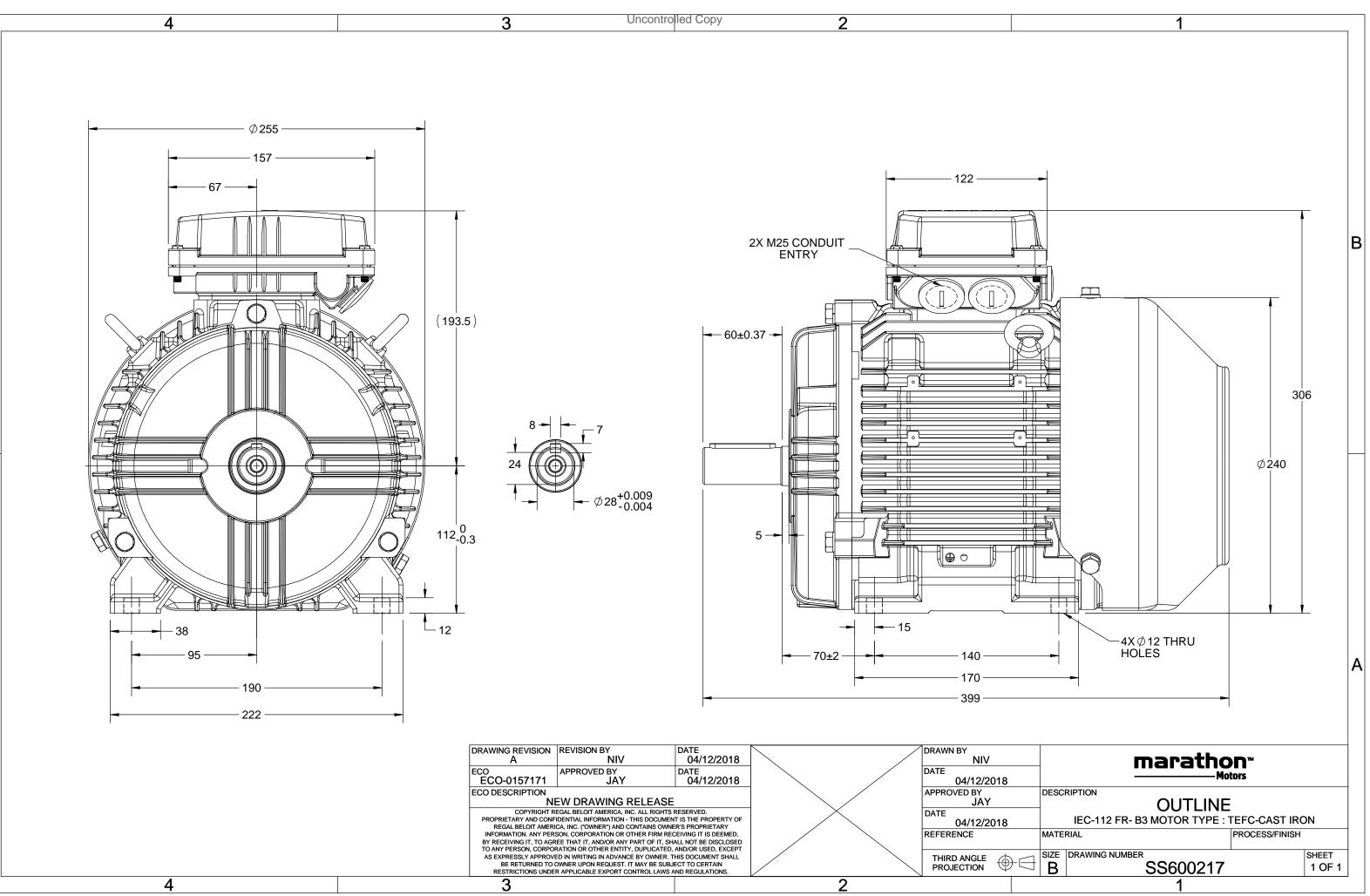
Nameplate Specifications

Output HP	5.50 Hp	Output KW	4.0 kW
Frequency	60 Hz	Voltage	575 V
Current	5.5 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	м
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	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	4	Rotation	Reversible
Resistance Main	2.33 Ohms	Mounting	B3
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		
Outline Drawing	SS600217	Connection Drawing	8442000685

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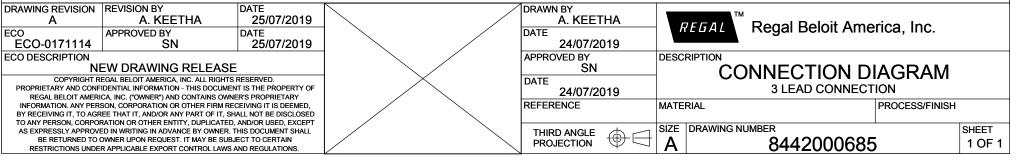
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GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
		Ī
	ϕ_4 τ_4 τ_6 h_4 τ_6 h_{41}	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	DUND LETTERS WILL BE BLACK.	
	INEAR SIZE OF THE TOLERANCE WITHOUT	
THE TOI FRANCE BY THE T		

- 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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									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-3311 DATA VOLTS:			
	_				CE	RTIFICATION DATA S						
CUSTOME				-				OMER P.O. #:				
ORDER #:				_			REFERENCE MODEL #: CAT #: CUSTOMER PART #:					
CONN. DIA OUTLINE:		8442000685 SS600217										
WINDING:		IE3L1124201	NONE	3			00310	MOUNTING:				
SPEED:		12021124201	NONE	. 0					10			
				г	YPICAL	MOTOR PERFORMA		TA				
HP	ĸw	SYNC RPM	FI	RPM		FRAME	ENC	LOSURE	TYPE	KVA CODE		DESIGN
5.5	4.1	1800		1765		112M		EFC	TCA 112MB04	м	MN	
5.5	4.1	1000		1705		112101			TCA TIZIVID04	IVI		IN IN
											I	
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL F	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		5.5		LINE OR INVERTER	(ONT	F	1.15	40	3300
	F.L. EFF	017	3/4 LD EFF	91.7		1/2 LD EFF	87.4	GTD EFF		ELECT. T	VDE	
	F.L. PF		3/4 LD PF			1/2 LD LT 1	61.0	90.5		SQ CAGE IN		
		00.0	0/12011	12.0			01.0	00.0			101120	
F.L.	TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TORO	DUE	F.L. RISE	E (° C)	
16.4	LB-FT	57.0		54.3	LB-FT	331%	64.1	LB-FT	391%	80	ľ í	
											•	
SOUND F	PRESSURE @ 3	0011110 0011/50		OR WK ²		MAX. LOAD WK ²						
62	FT. dBA	SOUND POWER 71 dBA	0.46	LB-FT ²	0.46	LB-FT ²	5AFE 5 7	SEC.	STAR	2	APROX. 57	MOTOR WGT KG.
62	dВА		0.46 、	LD-F1	0.46	LD-F1	/	SEC.		2	57	KG.
					*** SU	PPLEMENTAL INFORMA	TION ***					
MOUNT					HAZARDOUS							
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE		SEVERE DUTY		CATION	DRIP COVER	SCREENS	PAINT	
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (E	ENAMEL)
	EARINGS								1		1	
DE	ODE	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL
BALL	BALL						+					
6306	6206	POLYREX EM	STAN	DARD IEC		NONE	N	IONE	1045 HOT R	OLLED (C-204)	CAST IRON	
											SPACE	HEATERS
	RMOSTATS	PROTECTORS		G RTD's		BRG RTD's		MISTORS		NTROL		
	NONE	NOT	N	IONE		NONE	N	IONE	F/	ALSE	N	IA
D1	(ohmo/nh)	R2 (ohms/ph)	¥4.(a	ohms/ph)		X2 (ohms/ph)	Vm (hmo/nh)	VIDDATI	ON (in/sec)	EI (OAT
R1 (ohms/ph) 3.525		2.014		.673 7.933		Xm (ohms/ph) 176.020		0.150		ODE		
	0.020	2.014				1.000		0.020		.100		DL
*												
N O					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
т												
E								ENCODER:	NONE			
S								NONE				
*								NONE			NONE	PPR
								BRAKE:			_	
	PREPARED BY:	11/16/2020							IONE	NON	IE	
	DATE:	11/10/2020						FT-LB:		NA		
FORM: 35		2/27/06				·	110 -	VOLTAGE:	CONST UL REC	ONE		HZ:
1.01/101:32	JIREV_4	2121100					UL:	v - ∟ı,ıvı⊏-ııNƏ,	SONOT UL REG			

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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 : TCA0042AP211GAA009

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

Catalog No : R425B

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