PRODUCT INFORMATION PACKET

Model No: TCA0112AP211GAA009 Catalog No: R434 Cast Iron Motor, 15 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 160M Frame, TEFC



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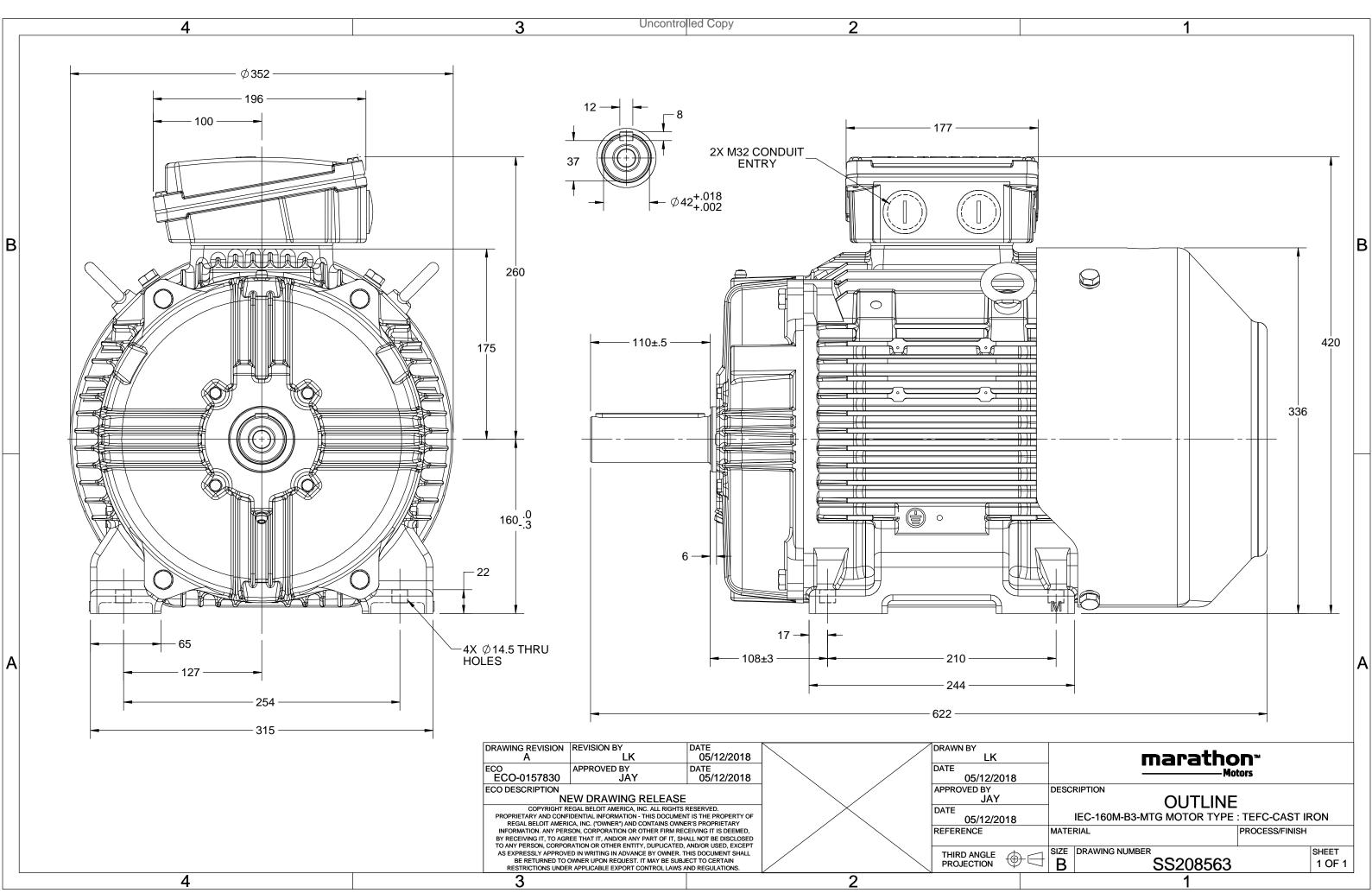
Nameplate Specifications

Output HP	15 Hp	Output KW	11.0 kW
Frequency	60 Hz	Voltage	575 V
Current	15.0 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	160M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
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	.69 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	24.49 in
Frame Length	10.00 in	Shaft Diameter	1.654 in
Shaft Extension	4.33 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS208563	Connection Drawing	8442000685

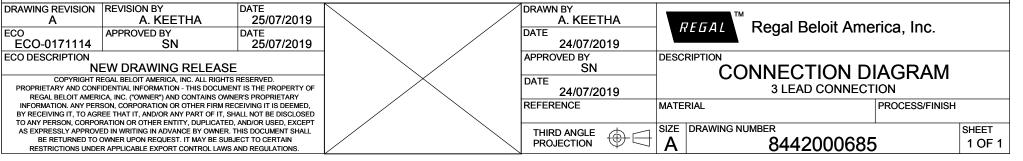
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GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
		Ī
	ϕ_4 τ_4 τ_6 h_4 τ_6 h_{41}	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	DUND LETTERS WILL BE BLACK.	
	INEAR SIZE OF THE 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:			
					CEF	RTIFICATION DATA SI	HEET					
CUSTOME	R:						CUST	OMER P.O. #:				
ORDER #:									TCA0112AP211G	AA009		-
CONN. DIA		8442000685						CAT #:	F	434		-
OUTLINE:		SS208563					CUSTO	MER PART #:				
WINDING:		IE3L1604201	NONE	3				MOUNTING:	F3			
SPEED:				т	YPICAL	MOTOR PERFORMA		ТА				
НР	ĸw	SYNC RPM	FL	RPM		FRAME		LOSURE	TYPE	KVA C	ODE	DESIGN
15	11.2	1800	1	775		160M	1	EFC	TCA 160MB04			N
						4						
PH	HZ	VOLTS	A	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575		15	1	LINE OR INVERTER		ONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF	92.4		1/2 LD EFF	91.6	GTD EFF		ELECT. 1		
	F.L. PF	80.0	3/4 LD PF	73.0		1/2 LD PF	61.0	91.3		SQ CAGE IN	/ RATED	
											- (0, -)	1
F.L 44.4	. TORQUE	LR AMPS @ 107	460 V	103	L.R.	232%	142	B.D. TOR	320%	F.L. RISE 80	<u>= (* C)</u>	
44.4	LD-FI	107		103	LD-FI	232 %	142	LD-FI	320%	80	4	
SOUND F	PRESSURE @ 3								1		T	
	FT.	SOUND POWER		OR WK ²		MAX. LOAD WK ²		TALL TIME	STAR	rs/hour	APROX.	MOTOR WGT
68	dBA	77 dBA	2.54	LB-FT ²	2.54	LB-FT ²	10	SEC.		2	148	KG.
					*** 611	PPLEMENTAL INFORMA						
			MOUNT		30			ARDOUS			T	
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE		SEVERE DUTY		CATION	DRIP COVER	SCREENS		INT
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (F	ENAMEL)
	EARINGS								1			
DE	ODE	GREASE	SHAP	T TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME	IATERIAL
BALL	BALL											
6309	6209	POLYREX EM	STAN	DARD IEC		NONE	N	IONE	1045 HOT R	OLLED (C-204)	CAST IRON	
									1			
TUE	RMOSTATS	PROTECTORS	WDC	GRTD's		BRG RTD's	TUED	MISTORS		NTROL	SPACE	HEATERS
	NONE	NOT		ONE		NONE		IONE		ALSE	1	IA
	HOILE			0.112		Hone					·	
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph)	Xm (e	ohms/ph)	VIBRATI	ON (in/sec)	FL	OAT
	1.063	0.508	2	.447		3.002	6	8.881	0	.150	0	DE
*												
N O T									ERTER TORQUE: PSPEED RANGE:	CONSTANT 2:1/VAI NONE	RIABLE 10:1	
E S								ENCODER: NONE NONE	NONE		NONE	PPR
								BRAKE:	NONE		,	
	PREPARED BY:								NONE	NON	1E	
	DATE:	11/16/2020						FT-LB:		NA		
FORM: 05		2/27/06				-		VOLTAGE:	CONST UL REC	ONE		HZ:
FURM: 35	31 REV_4	212/100					UL:	v - LI,IVIE-IINS,	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 : TCA0112AP211GAA009

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

Catalog No : R434

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