PRODUCT INFORMATION PACKET



Model No: TCA0111AE221GAA009

Catalog No: R233

Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 160M Frame,

TEFC





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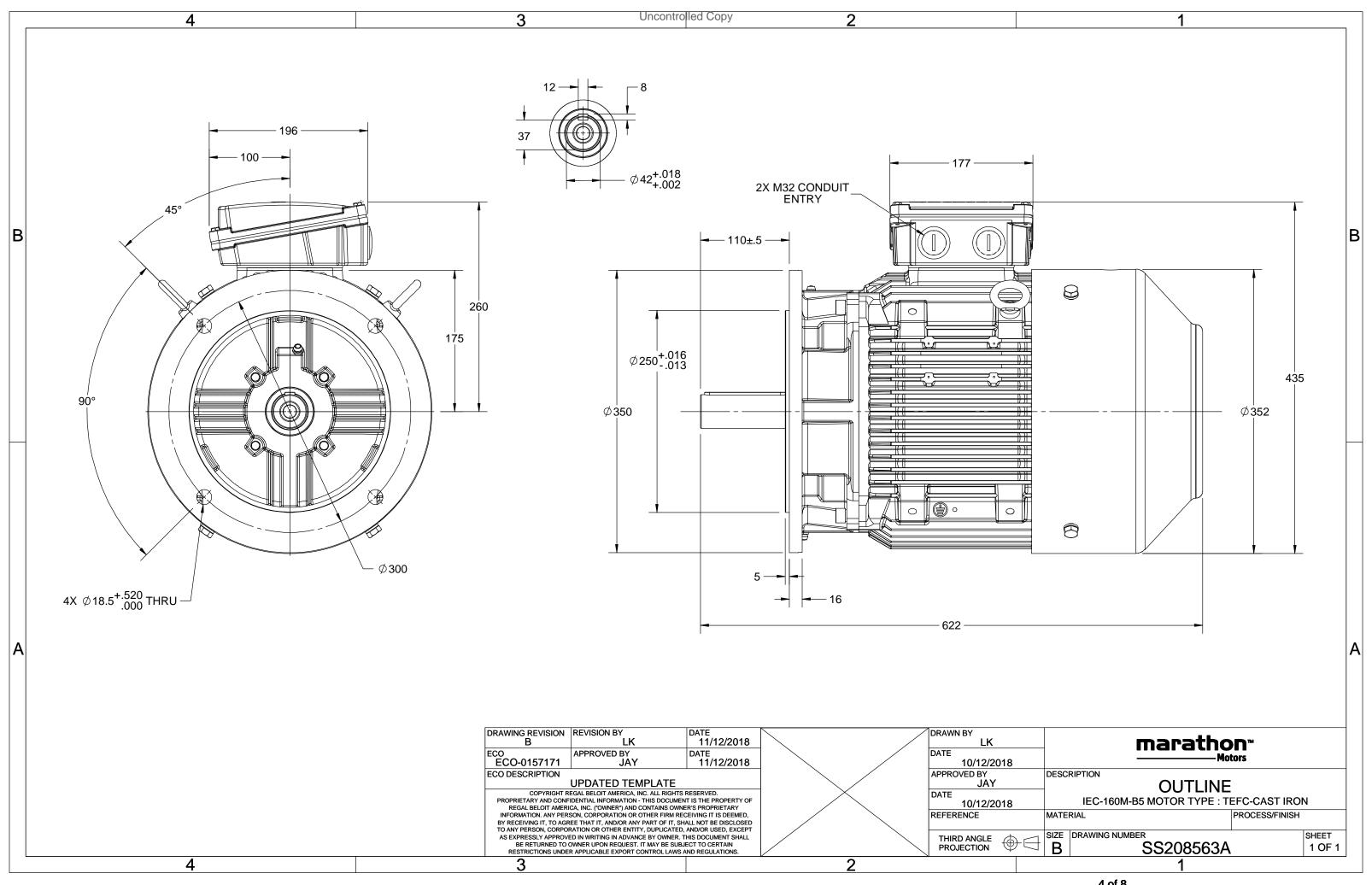
Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp			
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V			
Speed	3550 & 2965 rpm	Service Factor	1.15 & 1.15			
Frame	160M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91 & 90.1 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	34/16.9 & 27.8/13.9 A	Power Factor	90			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	G			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209			
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	.93 Ohms	Mounting	Round		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	20.55 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				
Connection Drawing	8442000715	Outline Drawing	SS208563A		

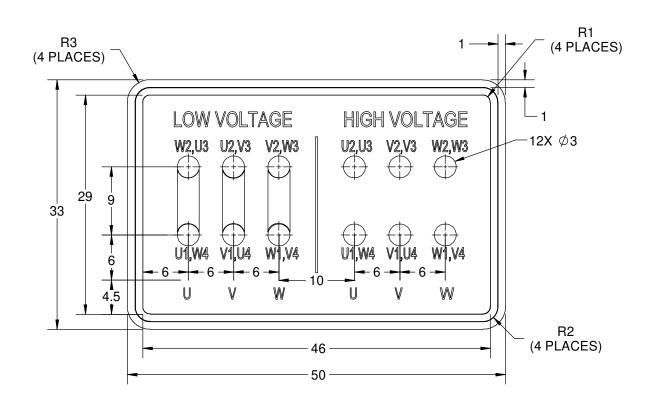
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

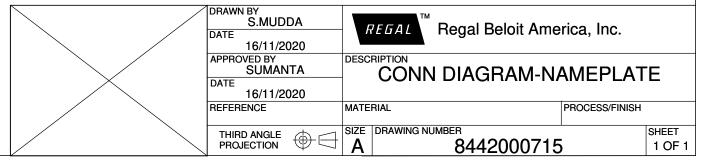
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



NOTES:

- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. 1.
- 2.
- THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE 3. BY THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 4. 3mm SIZE
- OTHER LETTER FONT SIZE SHOULD BE 3.5mm. 5.

8WD.442.2017





TerraMAX[™]



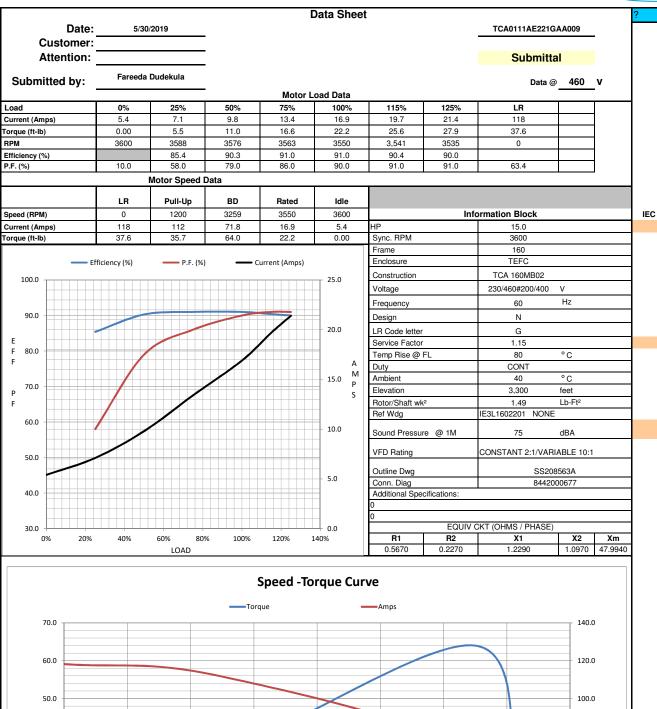
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
								PH. 715-675-331	1			
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA SI	HEET					
CUSTOME	R:			_				OMER P.O. #:				
ORDER #:							REFERENC	CE MODEL #:	TCA0111AE221G	AA009		
CONN. DIA	AGRAM:	8442000677		=				CAT #:	F	R233		
OUTLINE:		SS208563A					CUSTO	MER PART #:				
WINDING:		IE3L1602201	NONE	1				MOUNTING:	F3			
SPEED:												
				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
		0,410 0014				50.445	- N0	001105	T)/DE	1014 01		55000
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENCI	OSURE	TYPE	KVA CODE		DESIGN
15	11.2	3600	3	3550		160M	Т	EFC	TCA 160MB02	G		В
		!	•									
L												
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	34/16.9	&27.8/13.9	l l	INE OR INVERTER	С	ONT	F	1.15	40	3300
	F.L. EFF	1040	0/41 D EEE	01.0		40.15.55	00.0	070 555	1	EL EAT T	VDE	
			3/4 LD EFF	91.0		1/2 LD EFF	90.3	GTD EFF		ELECT. T		
	F.L. PF	90.0	3/4 LD PF	86.0		1/2 LD PF	79.0	89.7		SQ CAGE IN\	/ KATED	
	. TORQUE	LR AMPS @	460.1/	1		TORQUE		P.D. TOR	NIE .	F.L. RISE	(° C)	
	LB-FT	118	460 V	37.6	LB-FT	169%	8.D. TORO 64.0 LB-FT		288% 80		: (C)	
22.2	LB-F1	110		37.0	LD-F I	109%	04.0	LD-FI	20070	00		
SOUND	PRESSURE @ 3								l			
	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
75	dBA	84 dBA	1.49	LB-FT ²	1.49	LB-FT ²	10	SEC.		2	147	KG.
			*									
					*** SU	PPLEMENTAL INFORMA						
			MOUNT TYPE			CEVERE DUTY		RDOUS	DRIP COVER	SCREENS		
	ACKET TYPE LANGE-300	ODE BRACKET TYPE STANDARD	ROUND	MOTOR ORIENTATION SEVERE DUTY HORIZONTAL NO		LOCATION NONE		NO NO	NONE	PAINT BLUE (ENAMEL)		
FF-F	LANGE-300	STANDARD	ROUND	HURIZUI	NIAL	NO	IN.	ONE	NO	NONE	BLUE (E	ENAMEL)
	EARINGS								1		1	
DE .	ODE	GREASE	SHAI	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
BALL	BALL											
6309	6209	POLYREX EM	STANI	DARD IEC		NONE	N	ONE	1045 HOT R	ROLLED (C-204)	CAST	RON
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WDG	G RTD's		BRG RTD's	THER	MISTORS	COI	NTROL	SPACE	HEATERS
	NONE	NOT	N	ONE		NONE	N	ONE	F	ALSE	1	۱A
R1 (ohms/ph) R2 (ohms/ph)				X1 (ohms/ph) X2 (ohms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.567	0.227	1	.229		1.097	47	7.994	0).150	0	DE
										CONSTANT 2:10/AF	DIADI E 10:1	
N 0 T					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
						INV. HI	SPEED RANGE:	NONE				
									NONE			
E S								ENCODER: NONE	NONE			
, s								NONE			NONE	DDD
-								BRAKE:	NONE		NONE	FFR
	PREPARED BY:								NONE	NON	_	
	DATE:							FT-LB:		NA NON	_	
	DATE:	11/10/2020						VOLTAGE:		IONE		HZ:
FORM: 35	31 REV 4	2/27/06				ŀ	111 -		CONST UL REC	OITE		nZ:
. Ortivi. 33	V . INL V_4	221100					UL.					

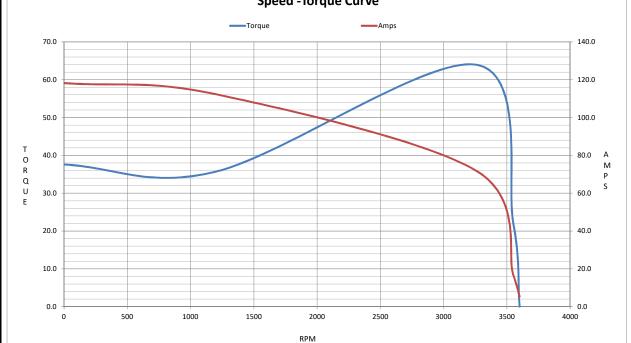














EC Declaration of Conformity

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: TCA0111AE221GAA009

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

Catalog No: R233 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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