PRODUCT INFORMATION PACKET



Model No: TCA0151AE211GAA009

Catalog No: R336B

Cast Iron Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 160M Frame,

TEFC





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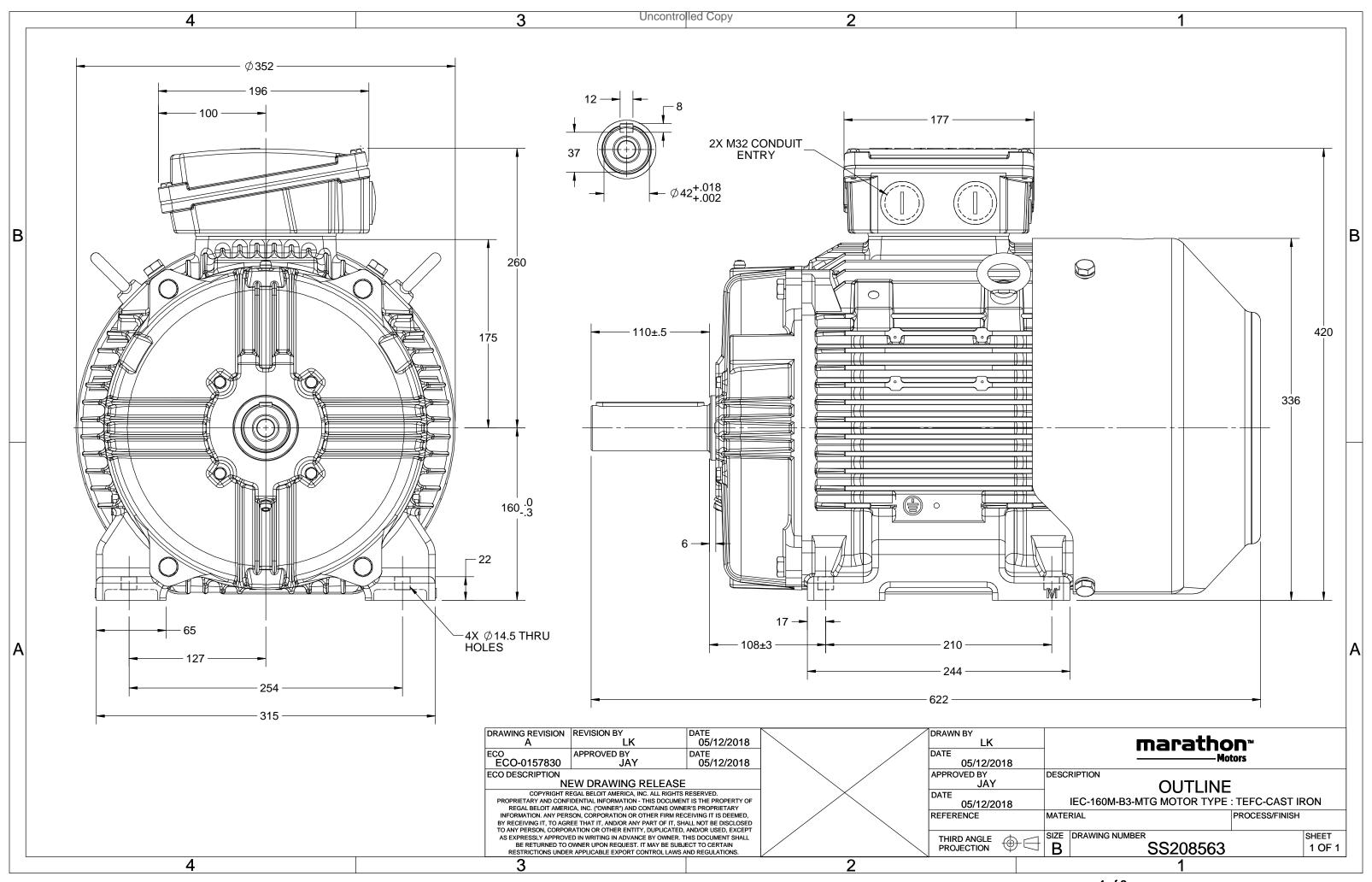
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp			
Output KW	15.0 & 11.0 kW	Voltage	230/460 & 200/400 V			
Speed	3540 & 2950 rpm	Service Factor	1.15 & 1.15			
Frame	160M	M Enclosure Totally Enclosed F				
Thermal Protection	No Protection	Efficiency	91 & 91.2 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	45.5/22.8 & 39/19.5 A	Power Factor	91			
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	.73 Ohms	Mounting	В3		
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				
Connection Drawing	8442000715	Outline Drawing	SS208563		

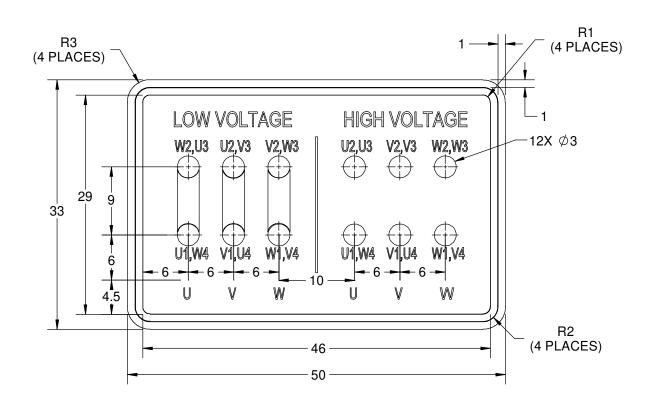
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

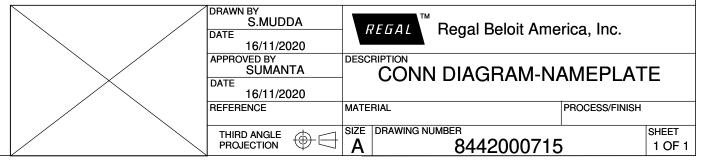
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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[™]



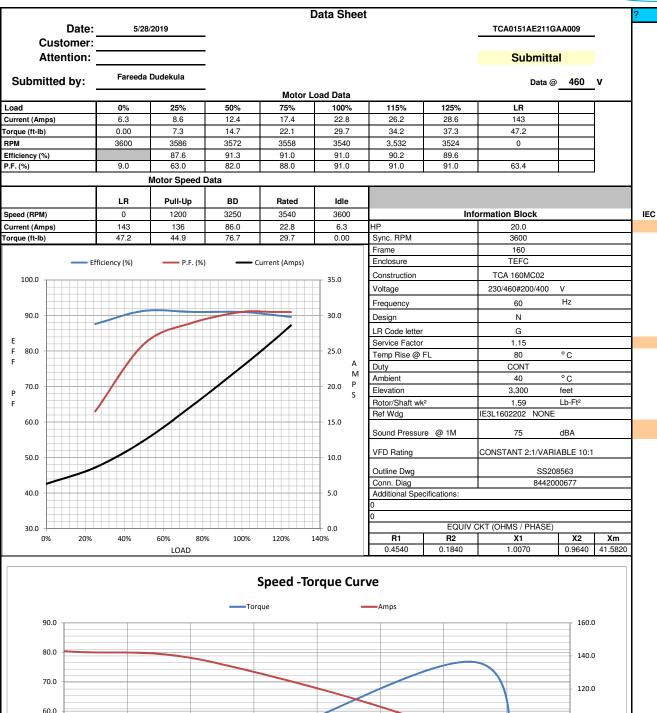
					CEF	RTIFICATION DATA SE			P.O. BOX 8003 WAUSAU, WI 54 PH. 715-675-331 DATA VOLTS:			
CUSTOME ORDER #:	CUSTOMER:							OMER P.O. #:		*******		
CONN. DI		8442000677					REFERENCE MODEL #: CAT #: CUSTOMER PART #:			336B		-
OUTLINE:		SS208563										
WINDING:		IE3L1602202	NONE	1				MOUNTING:	F3			
SPEED:				-	VDICAL	MOTOR PERFORMA	NCE DA	T.A.				
НР	kw	SYNC RPM	FL	. RPM	TPICAL	FRAME						DESIGN
20	14.9	3600	3	3540		160M	Т	EFC	TCA 160MC02	G		N
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	45.5/22	.8&39/19.5		LINE OR INVERTER	C	ONT	F	1.15	40	3300
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	91.3	GTD EFF	ELECT. TYPE			
	F.L. PF	91.0	3/4 LD PF	88.0		1/2 LD PF	82.0	89.7	SQ CAGE INV RATED		/ RATED	
<u>-</u>	TORQUE	LR AMPS @	400.1/	1		TORQUE	D D ====				(° C)	1
	LB-FT	143	460 V	47.2	LB-FT	159%	8.D. TORG 76.7 LB-FT		QUE F.L. RISE 258% 80		:(6)	
		SOUND POWER		OR WK ²		MAX. LOAD WK ²	SAFE STALL TIME		STAR	TS/HOUR	APROX.	MOTOR WGT
75	dBA	84 dBA	1.59	LB-FT ²	1.59 LB-FT ² 7 SEC.			2		146	KG.	
					*** SU	PPLEMENTAL INFORMA	TION ***					
				MOUNT TYPE MOTOR ORIENTATION SEVERE DUTY		HAZARDOUS		DDID COVED	SCREENS	DAINT		
	ACKET TYPE TANDARD	ODE BRACKET TYPE STANDARD	B3	HORIZO				NONE NO		NONE	PAINT BLUE (ENAMEL)	
	7.1.107.11.10	0174107410		1101120				.0.12			5202 (in unice)
	EARINGS	GREASE	SHAI	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
DE BALL	ODE BALL											
6309	6209	POLYREX EM	STANI	DARD IEC	D IEC NONE		N	IONE	1045 HOT F	ROLLED (C-204)	CAST IRON	
THERMOSTATS PROTECTORS			/DG RTD's BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS			
	NONE	PROTECTORS NOT				NONE	NONE		FALSE		NA	
									•		•	
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)			Xm (ohms/ph) 41.582		VIBRATION (in/sec) 0.150		FLOAT ODE	
	0.454	0.184	1	.007		0.964	4	1.582		0.150		DE
* N O T								INV. HP	SPEED RANGE:	CONSTANT 2:1/VAF NONE	RIABLE 10:1	
E S						ENCODER: NONE NONE				PPR		
PREPARED BY: DATE: 11/10/2020					BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ:							
FORM: 3531 REV_4 2/27/06						UL: V - LI,ME-INS,CONST UL REC						

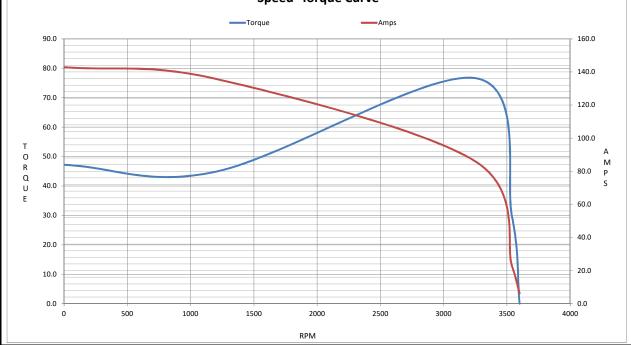














EC Declaration of Conformity

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: TCA0151AE211GAA009

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

Catalog No: R336B

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:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. Cers

Julian Clark Marketing Engineer

(€ 22