PRODUCT INFORMATION PACKET



Model No: TCA0152AE211GAA009

Catalog No: R337B

TerraMAX® Cast Iron Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,

160L Frame, TEFC





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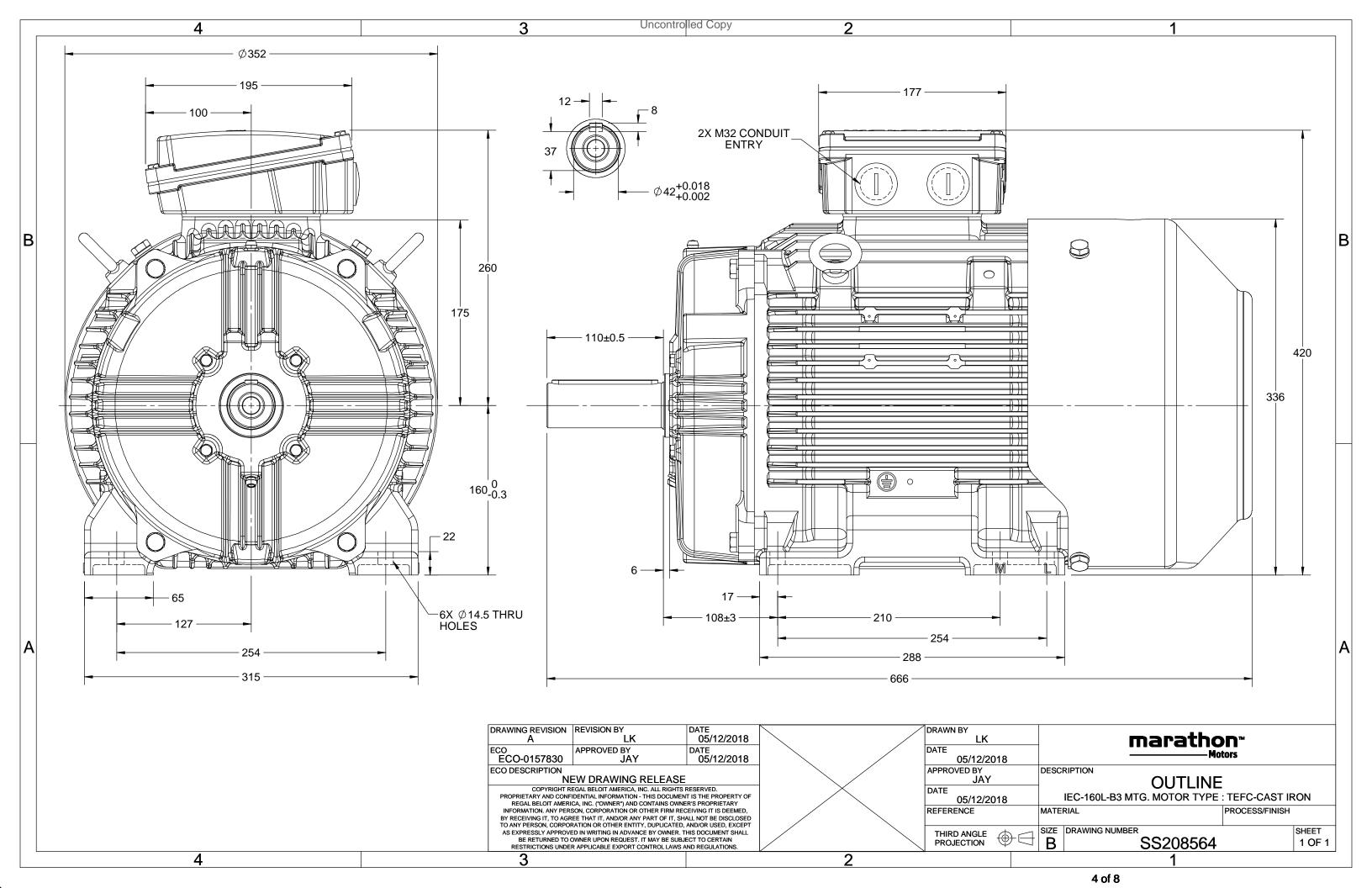
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp		
Output KW	15.0 & 11.0 kW	Voltage	230/460 & 200/400 V		
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15		
Frame	160L	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	93 & 91.4 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	50/25.1 & 45.5/22.8 A	Power Factor	81		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	J		
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	4	Rotation	Reversible		
Resistance Main	.49 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	26.22 in		
Frame Length	11.73 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	SS208564	Connection Drawing	8442000715		

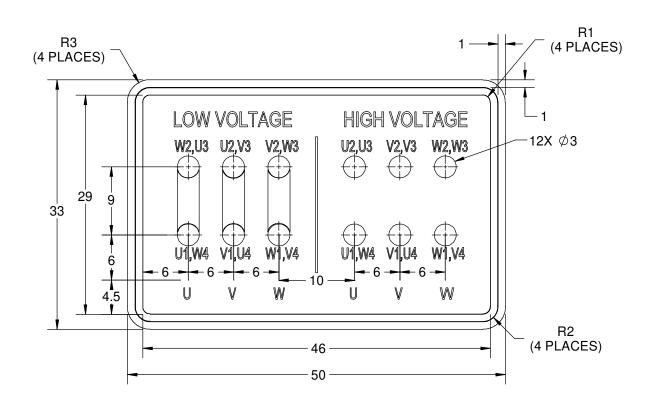
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

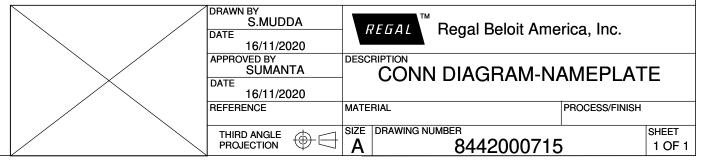
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



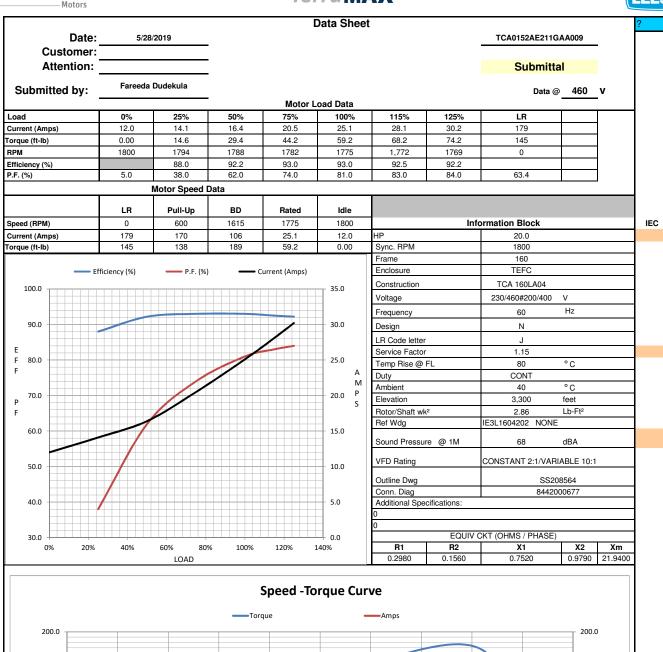
									P.O. BOX 8003				
					WAUSAU, WI 54401-8003								
							PH. 715-675-3311						
									DATA VOLTS:	460			
					CEF	RTIFICATION DATA S	HEET						
CUSTOME								OMER P.O. #:					
ORDER #:							REFERENCE MODEL #:						
CONN. DIA		8442000677						CAT #:		337B			
OUTLINE:		SS208564						MER PART #:					
WINDING: SPEED:		IE3L1604202	NONE	1				MOUNTING:	F3				
SPEED:				-	VDICAL	MOTOR PERFORMA	NCE DA	тл					
					TPICAL	WOUGH PERFORMA	NCE DA	II A		I		1	
HP	кw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
20	14.9	1800	1	775		160L	Т	EFC	TCA 160LA04	J		N	
PH	HZ	VOLTS	А	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	50/25.1	&45.5/22.8	ı	INE OR INVERTER		ONT	F	1.15	40	3300	
									•		•	•	
	F.L. EFF	93.0	3/4 LD EFF	93.0		1/2 LD EFF	92.2	GTD EFF		ELECT. T	YPE		
	F.L. PF	81.0	3/4 LD PF	74.0		1/2 LD PF	62.0	92.0		SQ CAGE INV	/RATED		
	TORQUE	LR AMPS @	460 V			TORQUE	B.D. TORQL				Ē (° C)		
59.2	LB-FT	179		145	LB-FT	245%	189	LB-FT	319%	80			
COLIND	PRESSURE @ 3				1				1				
JOUND	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT	
68	dBA	77 dBA		LB-FT ²	2.86	LB-FT ²	10	SEC.	2		163	KG.	
					*** SU	PPLEMENTAL INFORMA							
			MOUNT			SEVERE DUTY		RDOUS					
	ACKET TYPE ANDARD	ODE BRACKET TYPE STANDARD	TYPE B3		mo rott ortizitiziti			ONE	NO NO	RIP COVER SCREENS		PAINT BLUE (ENAMEL)	
51	ANDARD	STANDARD	ВЗ	HURIZU	NIAL	NO	IN	ONE	NO	NONE	BLUE (E	ENAMEL)	
BI	EARINGS												
DE D.	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL FRAM		MATERIAL	
BALL	BALL						NONE		1045 HOT ROLLED (C-204)		1		
6309	6209	POLYREX EM	STANL	DARD IEC		NONE	N	ONE	1045 HOT F	(OLLED (C-204)	CAST IRON		
											SPACE	HEATERS	
	RMOSTATS	PROTECTORS		RTD's		BRG RTD's		MISTORS		NTROL			
	NONE	NOT	N	ONE		NONE	N	ONE	F.	ALSE	1	NA .	
D4	(ohmo/nh)	P2 (ahma/nh)	V1 (a	hma/nh)		X2 (ohms/ph)	Vm (e	hms/ph)	VIDDAT	ION (in/oos)		OAT	
R1 (ohms/ph) R2 (ohms/ph) 0.298 0.156		0.156		(ohms/ph) X2 (ohms/ph) 0.752 0.979			1.940	VIBRATION (in/sec) 0.150		FLOAT ODE			
	0.230	0.100		.102		0.010		1.040				DL	
*													
N							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1						
0				INV. HP SPEED RANGE: NONE									
Т	Т												
E								ENCODER:	NONE				
S					NONE								
*								NONE	NONE		NONE	PPR	
				BRAKE: NONE									
PREPARED BY:				NONE NONE FT-LB: NA									
	DATE:	11/10/2020						VOLTAGE:		NA IONE		HZ:	
FORM: 35	31 REV 4	2/27/06					III ·		CONST UL REC	IO14L		nz.	
	=	.					V	,					

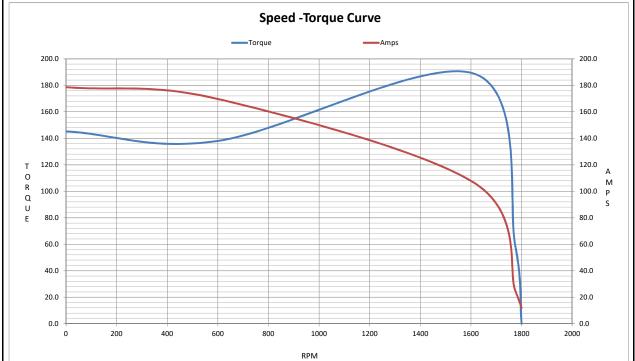
REGAL













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: TCA0152AE211GAA009

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

Catalog No: R337B

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:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Julian Clark
Marketing Engineer

Created on 09/01/2022

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