PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: TCA7P53AE211GAA009, Catalog No:R332B Cast Iron Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 160M Frame, TEFC

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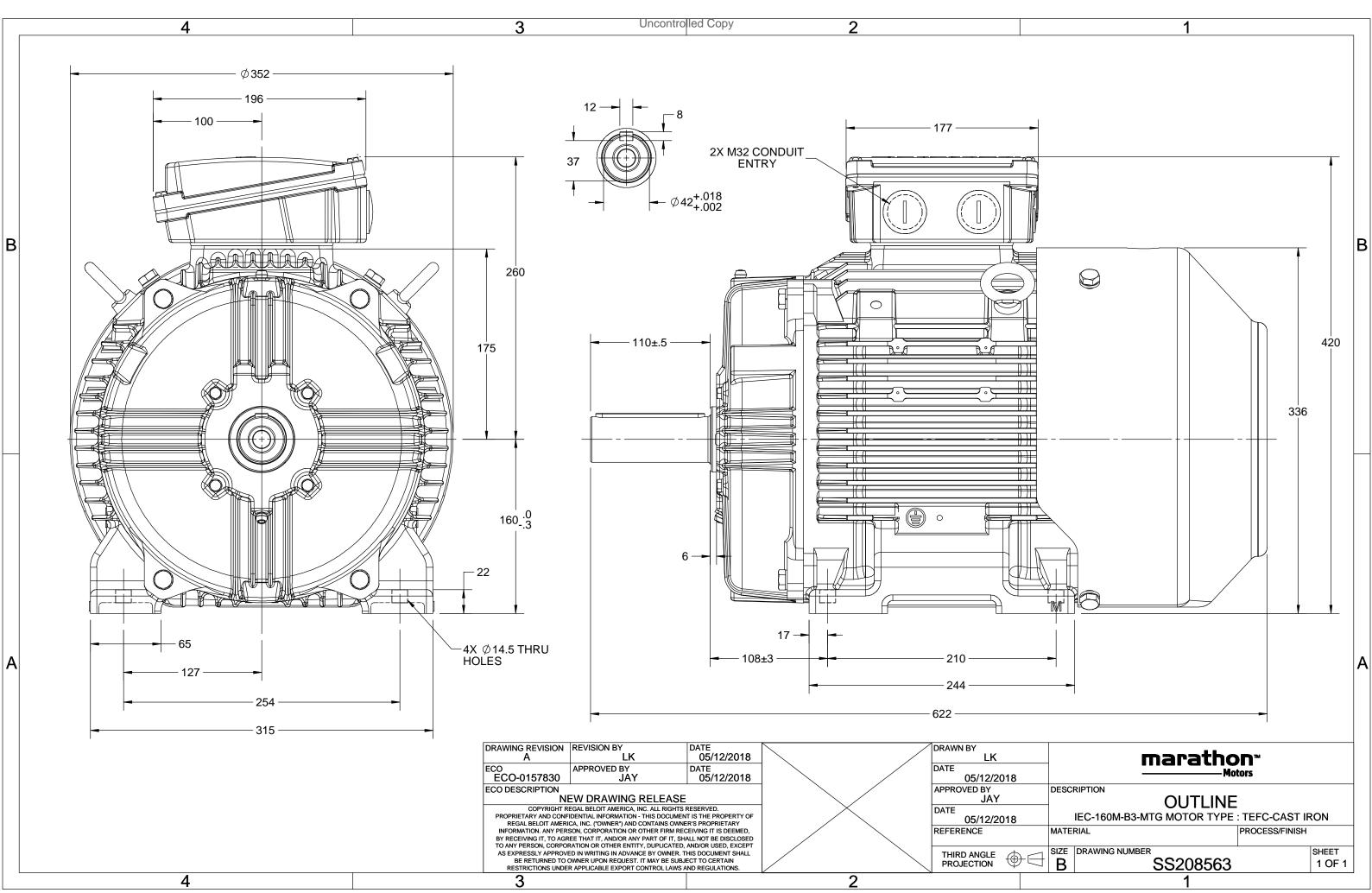
Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp		
Output KW	7.5 & 5.5 kW	Voltage	230/460 & 200/400 V		
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15		
Frame	160M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91 & 88 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	26.4/13.2 & 23.4/11.7 A	Power Factor	78		
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	Ν		
CE	Y	IP Code	55		
Number of Speeds	1	Efficiency Class	IE3		

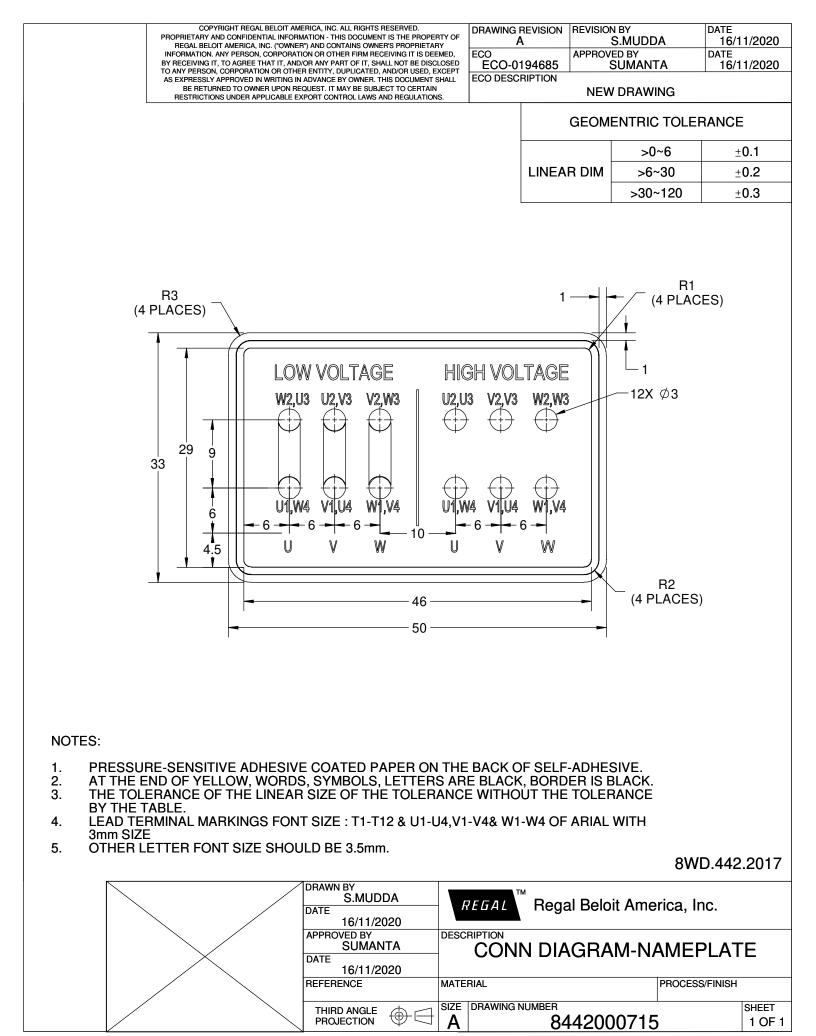
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.19 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		
Connection Drawing	8442000715	Outline Drawing	SS208563

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									P.O. BOX 8003			
					WAUSAU, WI 54401-8003 PH. 715-675-3311							
									PR. /15-6/5-331	•		
									DATA VOLTS:	460		
					CE	RTIFICATION DATA S	HEET					
CUSTOME	- P -						CUST	OMER P.O. #:				
ORDER #:							REFERENCE MODEL #:			A A 0.00		
		8442000677					CAT #:					
									332B			
OUTLINE:		SS208563					CUSTOMER PART #:					
WINDING:		IE3L1606201	NONE	1				MOUNTING:	F3			
SPEED:												
				٦	TYPICAL	. MOTOR PERFORMA	NCE DA	ATA				
HP	KW	SYNC RPM	FI	RPM	FRAME		ENC	LOSURE	TYPE	KVA C	ODE	DESIGN
10	7.5	1200		1180		160M	1	EFC	TCA 160MA06	G		N
	r	1							1		-	
PH	HZ	VOLTS		MPS		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	26.4/13.	2&23.4/11.7		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	90.0	GTD EFF		ELECT.	TYPE	
	F.L. PF		3/4 LD PF	72.0		1/2 LD PF	61.0	89.7		SQ CAGE IN	VRATED	
E I	TORQUE	LR AMPS @	460.1/		I P	TOPOUE		B.D. TOR		F.L. RIS	E (° C)	
			460 V	L.R. TORQUE						E(C)		
44.5	LB-FT	77.8		94.1	LB-FT	211%	114	LB-FT	256%	80		
									1		-	
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER		OR WK ²		MAX. LOAD WK ²		TALL TIME	STAR	rs/hour	APROX.	MOTOR WGT
56	dBA	65 dBA	3.2	LB-FT ²	3.2	LB-FT ²	15	SEC.		2	143	KG.
					*** SU	IPPLEMENTAL INFORMA						
			MOUNT				HAZARDOUS					
DE BRACKET TYPE		ODE BRACKET TYPE TYPE		MOTOR ORIENTATION SEVERE DUTY		SEVERE DUTY	LOCATION		DRIP COVER SCREENS		PAINT	
ST	ANDARD	STANDARD	B3	HORIZC	NTAL	NO	N	IONE	NO	NONE	BLUE (B	ENAMEL)
B	EARINGS	005405				0050141.05	0.005					
DE	ODE	GREASE	SHA	SHAFT TYPE		SPECIAL DE		SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL	BALL											
6309	6209	POLYREX EM	STAN	DARD IEC	NONE		N	IONE	1045 HOT F	ROLLED (C-204) CAST IRO		RON
0303	0203											
		1	1		1				1			
											SPACE	HEATERS
		PROTECTORS	WDG RTD's		BRG RTD's			MISTORS		NTROL		
	NONE	NOT	N	IONE		NONE	N	IONE	E.	ALSE	N	IA
		1										
R1 (ohms/ph)		R2 (ohms/ph)		nms/ph) X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		FLOAT		
0.709		0.369 1.872		2.553		41.867		0.150		ODE		
*												
N						INV	ERTER TORQUE:	CONSTANT 2:1/VA	RIABLE 10:1			
0					INV. HP SPEED RANGE: NONE							
т												
								ENCODER:	NONE			
E									NONE			
S				NONE NONE DO								
*								NONE			NONE	PPR
						BRAKE:	NONE					
	PREPARED BY:							1	NONE	NO	NE	
	DATE:	11/16/2020						FT-LB:		NA		
								HZ:				
FORM: 3531 REV 4 2/27/06					UL: V-LI,ME-INS,CONST UL REC							
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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 : TCA7P53AE211GAA009

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

Catalog No : R332B

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