PRODUCT INFORMATION PACKET

Model No: TCA0303AE211GAA009 Catalog No: R347B Cast Iron Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 225M Frame, TEFC



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Motors

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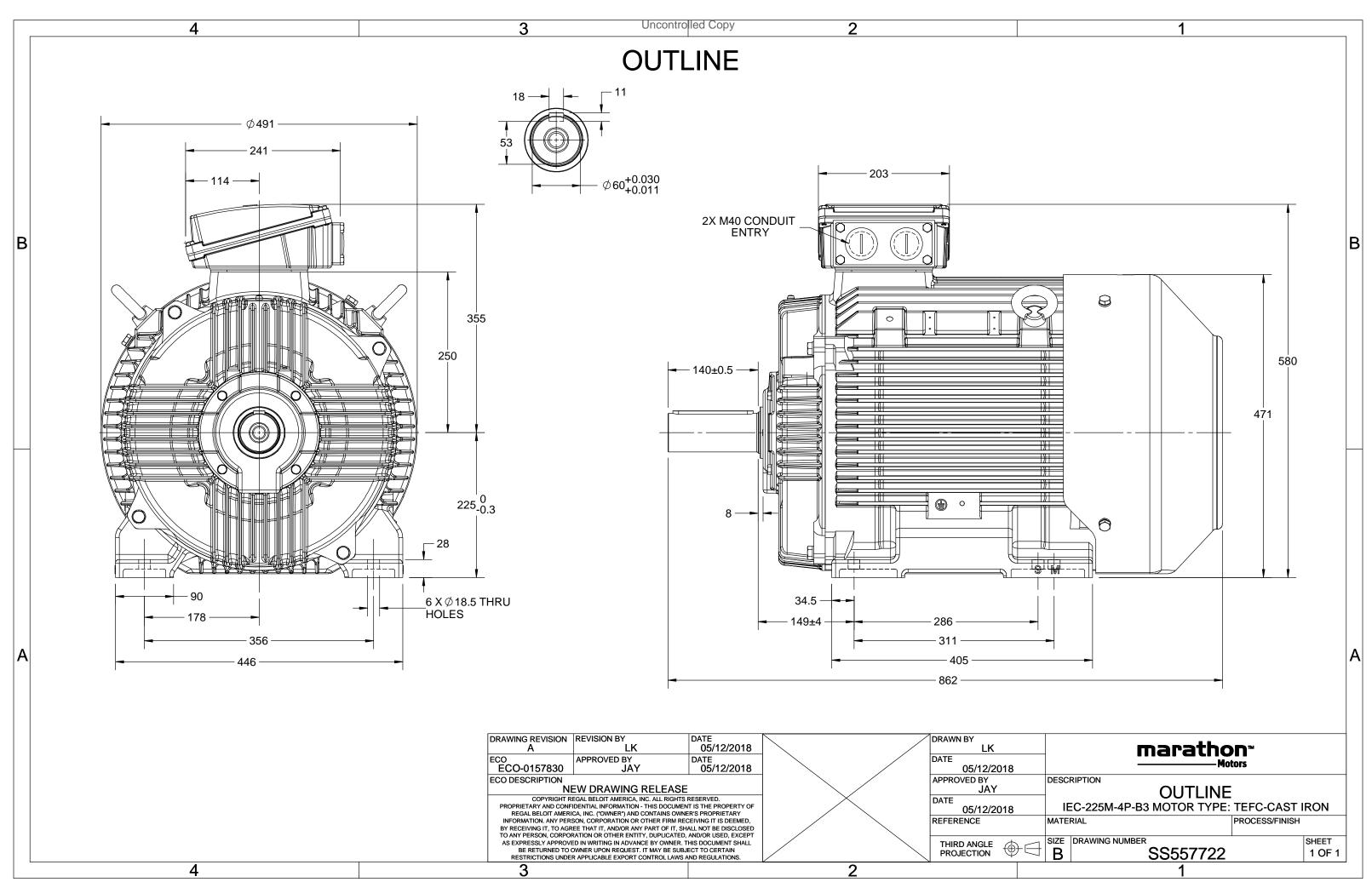
Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp			
Output KW	30.0 & 22.0 kW	Voltage	230/460 & 200/400 V			
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15			
Frame	225M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	94.1 & 92.2 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	100/50 & 90/45 A	Power Factor	80			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	К			
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6213			
UL	Recognized	CSA	N			
CE	Υ	IP Code	55			
Number of Speeds	1	Efficiency Class	IE3			

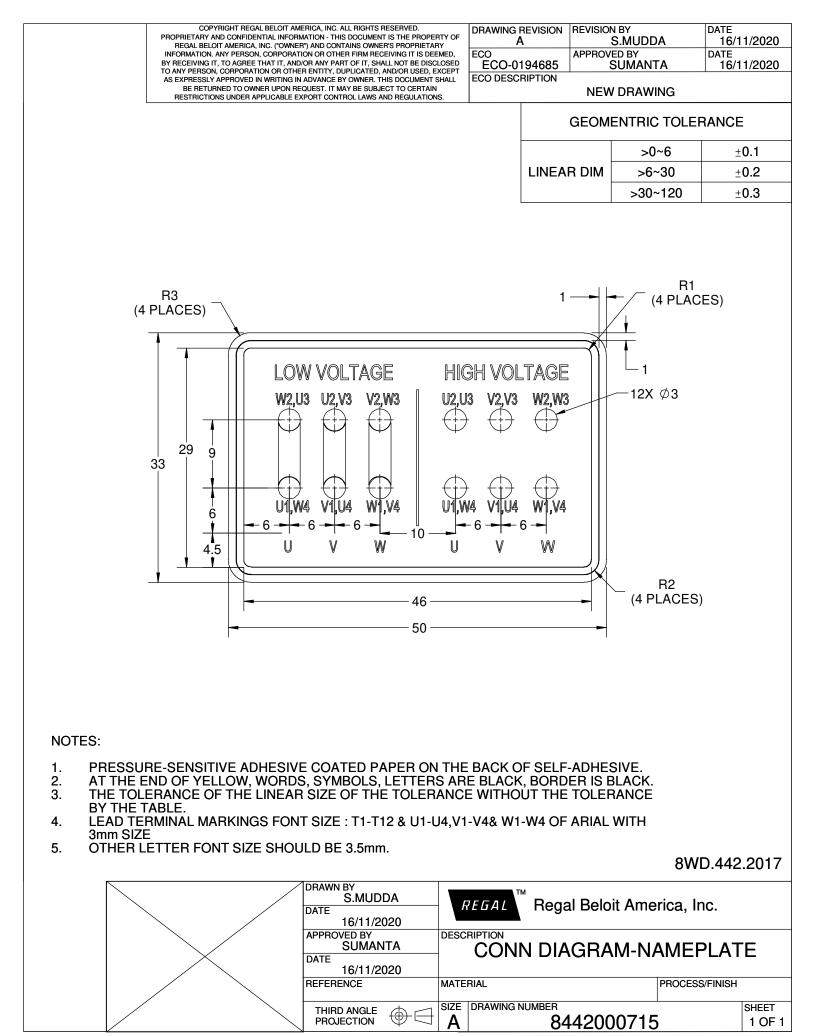
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	6	Rotation	Reversible			
Resistance Main	.17 Ohms	Mounting	B3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Overall Length	33.94 in			
Frame Length	16.73 in	Shaft Diameter	2.362 in			
Shaft Extension	5.51 in	Assembly/Box Mounting	F3			
Inverter Load	CONSTANT 2:1/VARIABLE 10:1					
Outline Drawing	SS557722	Connection Drawing	8442000715			

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									P.O. BOX 8003				
					WAUSAU, WI 54401-8003								
						PH. 715-675-3311							
									DATA VOLTS:	460			
									DATA VOLTS.	400			
					00	RTIFICATION DATA SI							
					UEI	CIFICATION DATA SI							
CUSTOME								OMER P.O. #:					
ORDER #:				-						#: TCA0303AE211GAA009			
CONN. DI		8442000677						CAT #:	ĸ	347B			
OUTLINE:		SS557722					CUSTO	MER PART #:					
WINDING:		IE3L2256201	NONE	1				MOUNTING:	F3				
SPEED:		-											
				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA					
НР		00000 0000			50.005		ENCLOSURE		7/05			DESIGN	
۳P	ĸw	SYNC RPM	FL	. RPM		FRAME	ENC	LUSURE	TYPE	KVA C	KVA CODE		
40	30	1200		1190		225M	т	EFC	TCA 225MA06	к		N	
10		1200				LEON		2. 0	TOTTEEOINTIOO				
PH	HZ	VOLTS	A	MPS		START TYPE	D	DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	100/5	50&90/45		INE OR INVERTER	C	ONT	F	1.15	40	3300	
								-					
	F.L. EFF	94.1	3/4 LD EFF	94.1		1/2 LD EFF	91.4	GTD EFF		ELECT. T	YPE		
	F.L. PF		3/4 LD PF			1/2 LD PF	62.0	93.2		SQ CAGE IN			
FI	TORQUE	LR AMPS @	460 V		L.R. TORQUE			B.D. TOR	DUE	F.L. RISE	(° C)		
	LB-FT	417	100 1	484	LB-FT	273%	610	LB-FT	345%	80	-()		
	20-11	417		404	20-11	21070	010	20-11	04070	00			
SOUND	PRESSURE @ 3												
	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	24.3	LB-FT ²	24.3	LB-FT ²	15	SEC.		2		KG.	
					*** SU	PPLEMENTAL INFORMA	TION ***						
			MOUNT					ARDOUS					
DE BR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE	INTATION	SEVERE DUTY	LOC	CATION	DRIP COVER	SCREENS	EENS PAINT		
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (E	ENAMEL)	
		•									•		
В	EARINGS	GREASE	CU AI	FT TYPE		SPECIAL DE	SDEC		CUATT	MATERIAL	ED AME A		
DE	ODE	GREASE	ЗПА	FI TIFE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL	BALL	SG S5-V100	STAN	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6313	6213	5G 55-V 100	STAN	JARD IEC		NONE	N	IONE	1045 HOT F	(OLLED (C-204)	CASI	IRON	
											•		
											SPACE	HEATERS	
THE	RMOSTATS	PROTECTORS	WDO	G RTD's		BRG RTD's	THER	MISTORS	со	NTROL	SPACE	HEATERS	
	NONE	NOT	N	ONE		NONE	N	IONE	E.	ALSE	1	1A	
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph) Xm (ohms/ph) VIBRATION (in/sec) FLOAT		OAT					
0.106 0.057 0.340		.340	0.511		10.977		0.150		ODE				
						ł							
*													
N					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1								
0						INV. HP SPEED RANGE: NONE							
т													
Е								ENCODER:	NONE				
s								NONE					
*								NONE			NONE	PPR	
								BRAKE:	NONE		NONE		
	PREPARED BY:								NONE	NON			
	DATE:	11/16/2020						FT-LB:		NA			
	DATE:	11/10/2020						VOLTAGE:		IONE		HZ:	
EORM: 25	31 REV 4	2/27/06				-			CONST UL REC			HZ:	
1 ORIVI. 30	31 KEV_4	2121100					UL:	v - LI,IVIL-INO,	SONOT DE NEC				

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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 : TCA0303AE211GAA009

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

Catalog No : R347B

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