PRODUCT INFORMATION PACKET

Model No: TCA0551AE211GAA009 Catalog No: R503A Cast Iron Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 3600 & 3000 RPM, 250M Frame, TEFC



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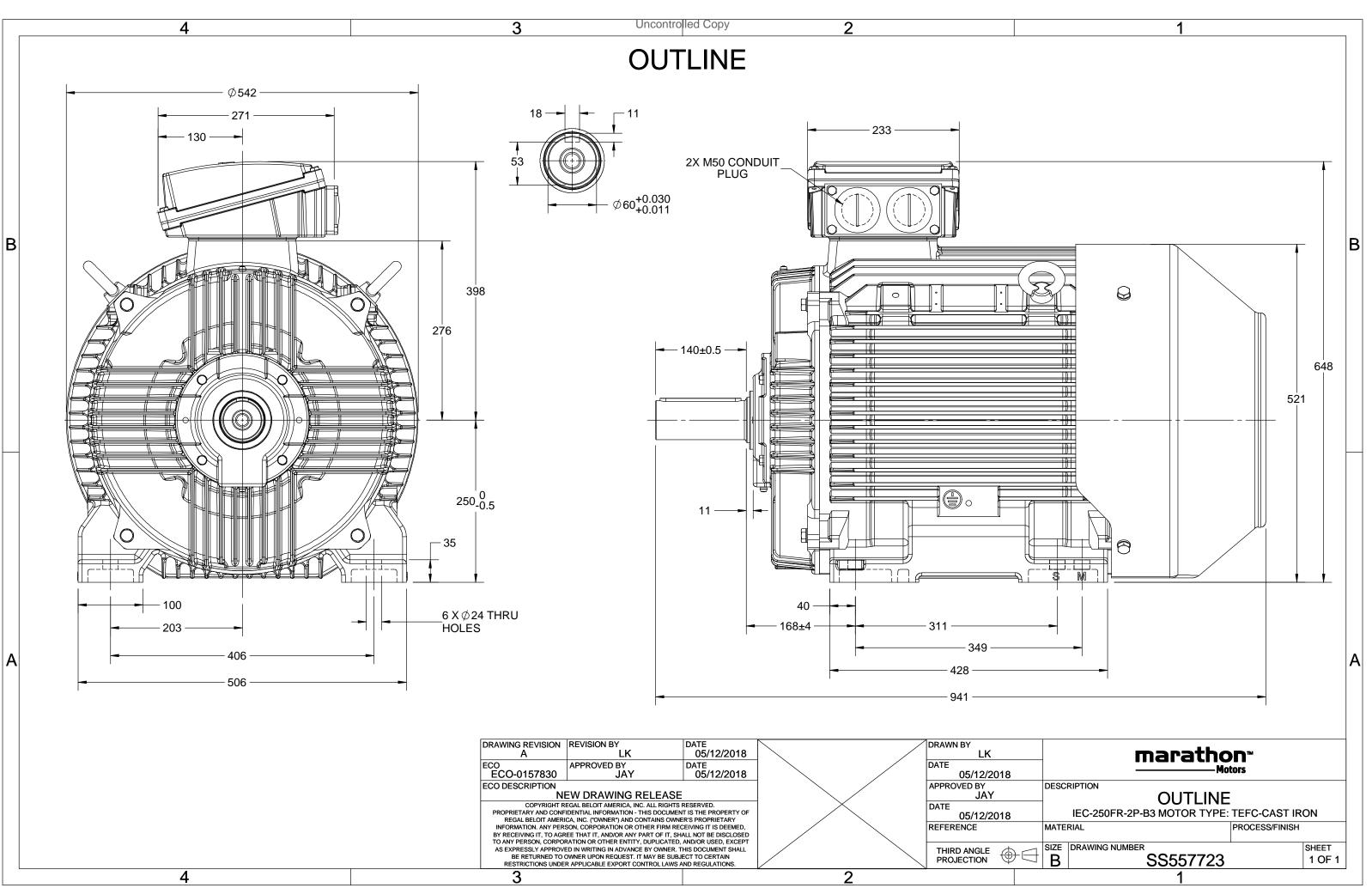
Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp			
Output KW	55.0 & 45.0 kW	Voltage	230/460 & 200/400 V			
Speed	3575 & 2980 rpm	Service Factor	1.15 & 1.15			
Frame	250M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	93.6 & 94 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	166/83 & 156/78 A	Power Factor	89			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	F			
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314			
UL	Recognized	CSA	Ν			
CE	Υ	IP Code	55			
Number of Speeds	1	Efficiency Class	IE3			

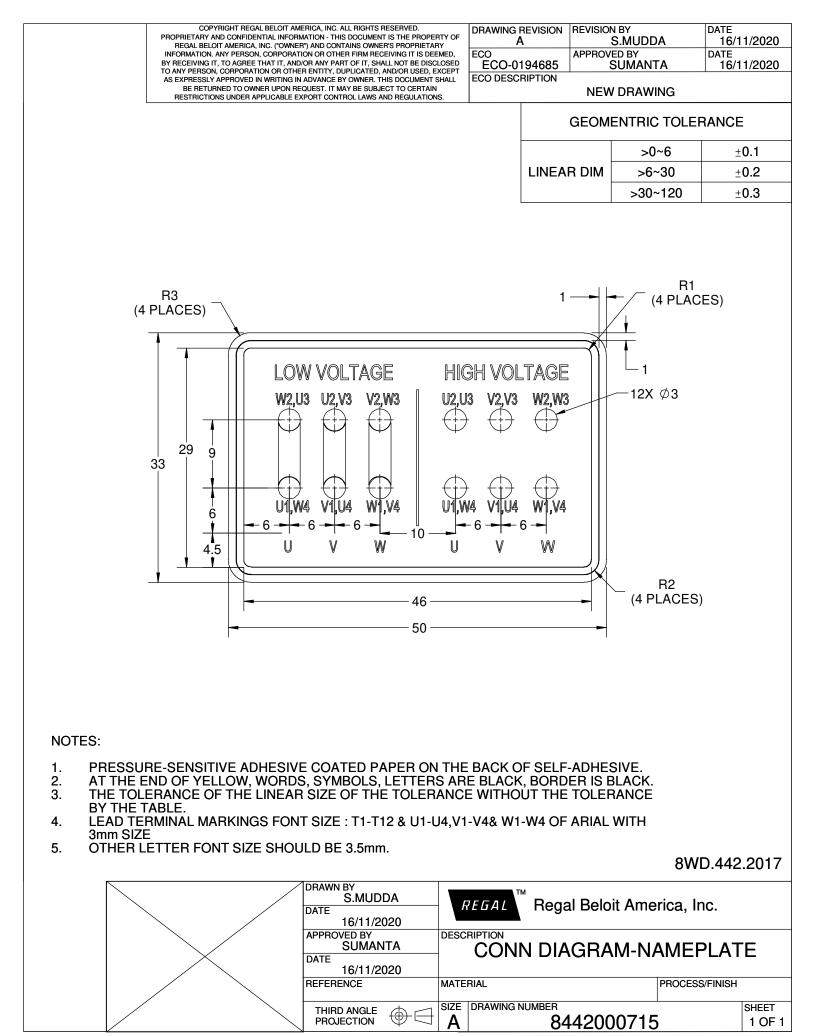
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.11 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	37.05 in
Frame Length	18.11 in	Shaft Diameter	2.559 in
Shaft Extension	5.51 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing	8442000715	Outline Drawing	SS557723

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									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
					PH. 715-675-3311							
									DATA VOLTS:	460		
									DATA VOLTO.	400		
					00	RTIFICATION DATA SI						
					UE	RIFICATION DATA SI	TEET					
	-						01107					
CUSTOME				-				OMER P.O. #:				
ORDER #:				_			REFEREN		TCA0551AE211G			
CONN. DIA		8442000677					CAT #:					
OUTLINE:		SS557723					CUSTO	MER PART #:				
WINDING:		IE3L2502201	NONE	1				MOUNTING:	F3			
SPEED:		-		_								
				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
HP	ĸw	SYNC RPM	-			50.005	ENCLOSURE		туре куа с			5501011
H۲	r.vv	STNC RPM	FI	RPM		FRAME	ENCLOSURE		ITPE	KVA CODE		DESIGN
75	56	3600		3575		250M	т	EFC	TCA 250MA02	F		N
		0000				20011		2.0	10/120010/02			
PH	HZ	VOLTS	4	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	166/8	3&156/78		LINE OR INVERTER	C	ONT	F	1.15	40	3300
	F.L. EFF	93.6	3/4 LD EFF	93.6		1/2 LD EFF	92.9	GTD EFF		ELECT. T	YPE	
	F.L. PF		3/4 LD PF	87.0		1/2 LD PF	81.0	92.6		SQ CAGE IN	/ RATED	
		• •										
F.L	. TORQUE	LR AMPS @	460 V		L.R. TORQUE			B.D. TOR	QUE	F.L. RISE	(°C)	
	LB-FT	522		155 LB-FT 141%		287 LB-FT		261%	80	Ѓ́		
SOUND F	PRESSURE @ 3											
	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
79	dBA	88 dBA	14.8	LB-FT ²	14.8	LB-FT ²	15	SEC.		2	515	KG.
			•									
					*** SU	PPLEMENTAL INFORMA	TION ***					
MOUNT			HAZARDOUS									
DE BRACKET TYPE		ODE BRACKET TYPE	TYPE	MOTOR ORIE			LOCATION		DRIP COVER	SCREENS	PAINT	
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	N	IONE	NO	NONE	NONE BLUE (ENAMEL)	
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	IATERIAL
DE	ODE											
BALL	BALL	SG S5-V100	STAN	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6314	6314									(*)		
											SPACE	HEATERS
THERMOSTATS PROTECTORS		WDG RTD's				MISTORS	CONTROL					
	NONE	NOT	N	IONE		NONE	N	IONE	E.	ALSE	1	IA
											1	
R1 (ohms/ph)		R2 (ohms/ph)		ohms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.068	0.023	().295		0.284	1	0.919	0	.150	0	DE
*												
N						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1						
0							INV. HP SPEED RANGE: NONE					
т												
E						ENCODER: NONE						
S				NONE								
*								NONE			NONE	PPR
						BRAKE:						
	PREPARED BY:								NONE	NON	E	
	DATE:	11/10/2020						FT-LB:		NA		
							VOLTAGE: NONE 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 : TCA0551AE211GAA009

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

Catalog No : R503A

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