PRODUCT INFORMATION PACKET



Model No: TCA0113AE221GAA009

Catalog No: R235

Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 160L Frame,

TEFC





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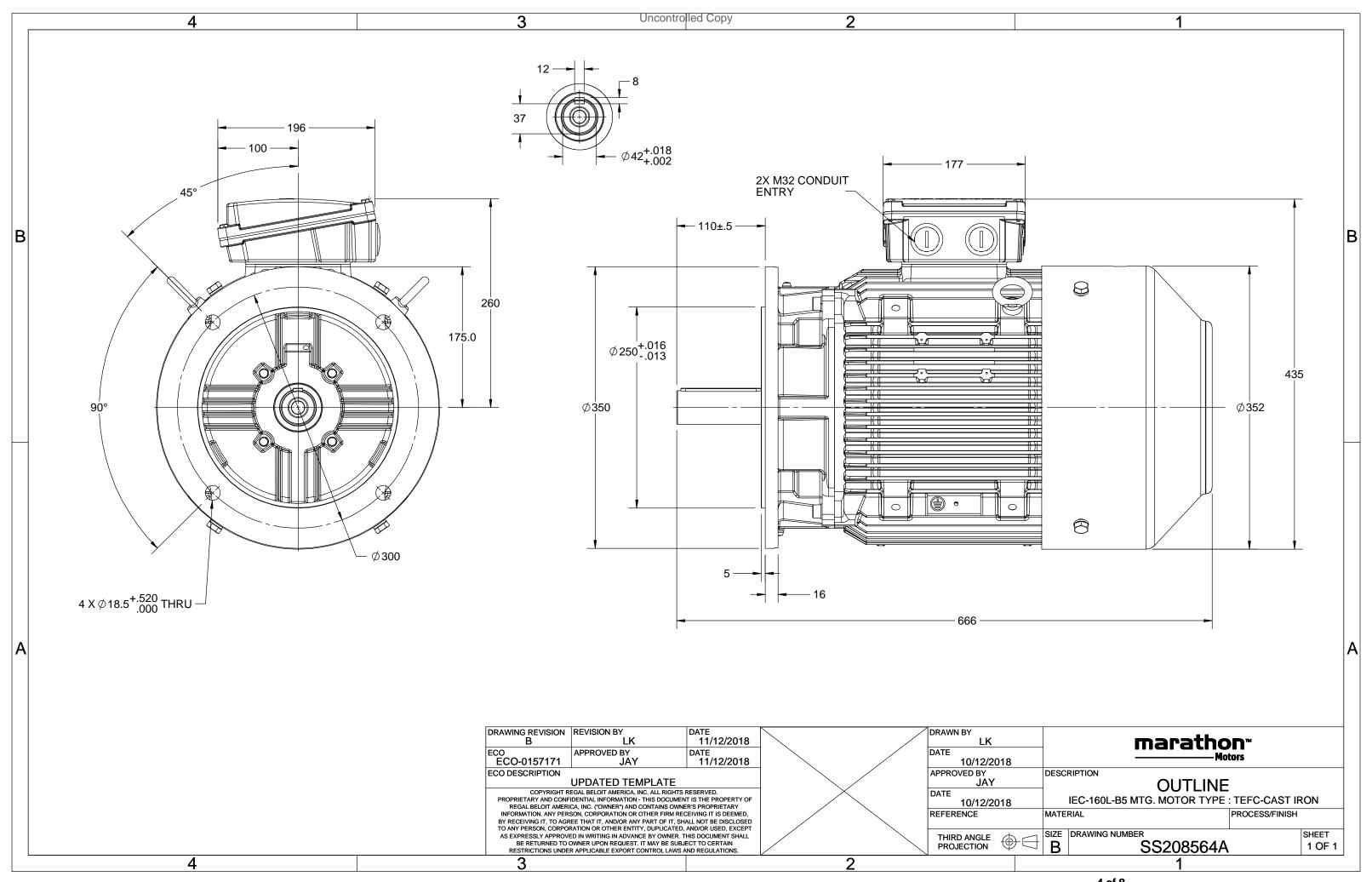
Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp			
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V			
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15			
Frame	160L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91.7 & 89.1 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	38/19.1 & 33.5/16.8 A	Power Factor	79			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	Н			
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	6	Rotation	Reversible		
Resistance Main	.59 Ohms	Mounting	Round		
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				
Connection Drawing	8442000715	Outline Drawing	SS208564A		

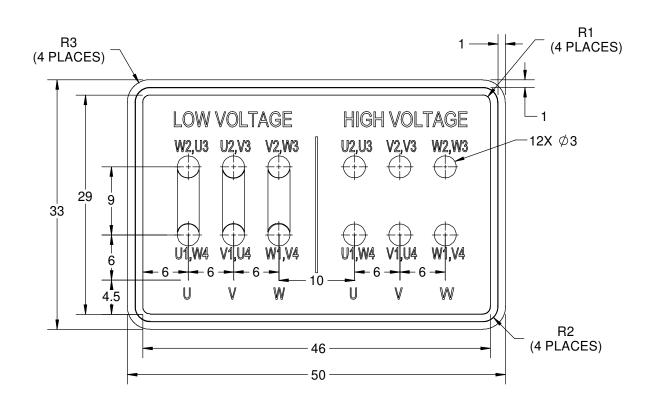
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

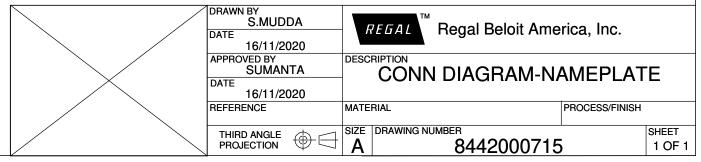
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



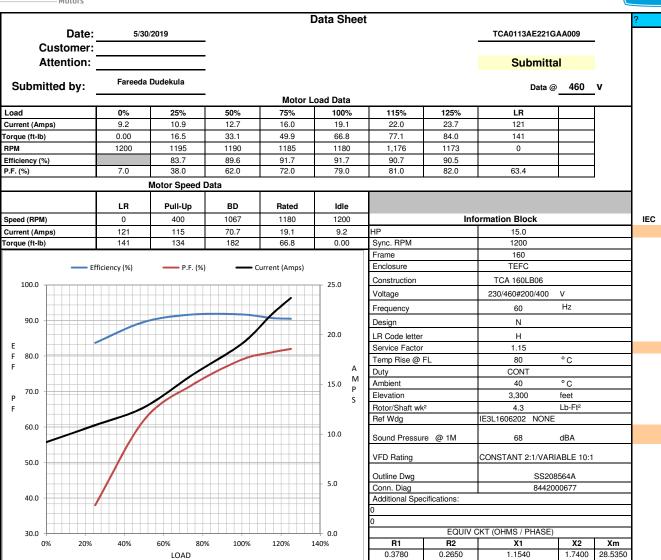
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
								PH. 715-675-331	1			
									DATA VOLTS:	460		
					CEF	RTIFICATION DATA S	HEET					
CUSTOME				-				OMER P.O. #:				
ORDER #:							REFERENCE MODEL #:					
CONN. DIA		8442000677					CAT #:			R235		
OUTLINE:		SS208564A					CUSTO	MER PART #:				
WINDING:		IE3L1606202	NONE	1				MOUNTING:	F3			
SPEED:				_								
		ı			YPICAL	MOTOR PERFORMA	NCE DA	IA	1			1
НР	кw	SYNC RPM	FL	. RPM		FRAME	FRAME ENCLOSURE		TYPE KVA C		DDE	DESIGN
										RVACODE		
15	11.2	1200	1	180		160L	T	EFC	TCA 160LB06	н		N
PH	HZ	VOLTS	Δ	MPS		START TYPE	n	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		&33.5/16.8	1	INE OR INVERTER		ONT	F	1.15	40	3300
	00/00	200/400#200/400	00/10.1	000.0/10.0		EINE OIL INVERTER		0111		1.10	40	3300
	F.L. EFF	91.7	3/4 LD EFF	91.7		1/2 LD EFF	89.6	GTD EFF		ELECT. T	YPE	
	F.L. PF		3/4 LD PF	72.0		1/2 LD PF	62.0	90.5		SQ CAGE IN\		
				-					1			
F.L	. TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TORG		QUE F.L. RISE		(° C)	
66.8	LB-FT	121		141 LB-FT 211%		182 LB-FT		272% 80				
SOUND F	PRESSURE @ 3											
	FT.	SOUND POWER		OR WK ² LB-FT ²	MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT
68	dBA	77 dBA	4.3	LB-F1	4.3	LB-FT ²	15	SEC.		2	175	KG.
					*** CII	PPLEMENTAL INFORMA	TION ***					
			MOUNT		30	FFEEMENTAL INFORMA		RDOUS				
DE BR	ACKET TYPE	ODE BRACKET TYPE	TYPE MOTOR ORIENTATION		NTATION	SEVERE DUTY			DRIP COVER SCREENS		PAINT	
FF-F	LANGE-300	STANDARD	ROUND	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (ENAMEL)	
	EARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
DE	ODE								0		TRAME MATERIAL	
BALL	BALL	POLYREX EM	STANI	DARD IEC		NONE	N	ONE	1045 HOT F	ROLLED (C-204)	CAST IRON	
6309	6209											
		1										
THE	RMOSTATS	PROTECTORS	wno	RTD's		BRG RTD's	THER	MISTORS	co	NTROL	SPACE	HEATERS
	NONE	NOT		ONE		NONE		ONE		ALSE		NΑ
	110.112			0.12		110112		0.1.2	•			
R1 (ohms/ph) R2 (ohms/ph)		X1 (o	X1 (ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
0.378 0.265		0.265	1	1.154 1.740		28	3.535	0.150		ODE		
		•				•			•		•	
*												
N										CONSTANT 2:1/VAF	RIABLE 10:1	
0						INV. HI	P SPEED RANGE:	NONE				
Т									NONE			
E								ENCODER:	NONE			
S				NONE								
								NONE	NONE		NONE	PPR
					BRAKE: NONE							
	PREPARED BY: DATE:							FT-LB:	NONE	NON NA	_	
	DATE:	11/10/2020						VOLTAGE:		IONE		HZ:
FORM: 35	31 REV 4	2/27/06					111 -		CONST UL REC	ONL		nz:
. Ortivi. 33	V . INL V_4	221100					UL:	,,,,,,	,			

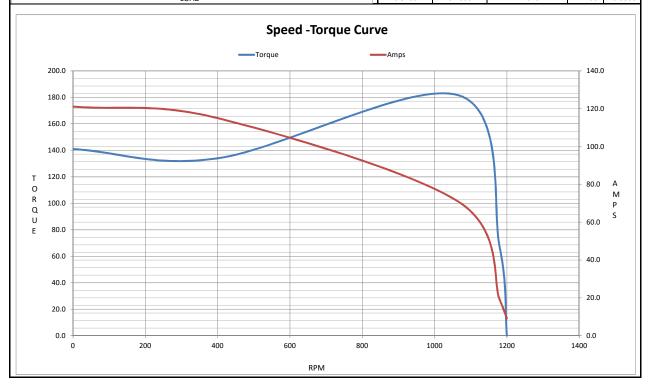
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EC Declaration of Conformity

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: TCA0113AE221GAA009

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

Catalog No : R235
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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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