PRODUCT INFORMATION PACKET



Model No: TCA0112AE231GAA009

Catalog No: R834

TerraMAX® Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,

160M Frame, TEFC





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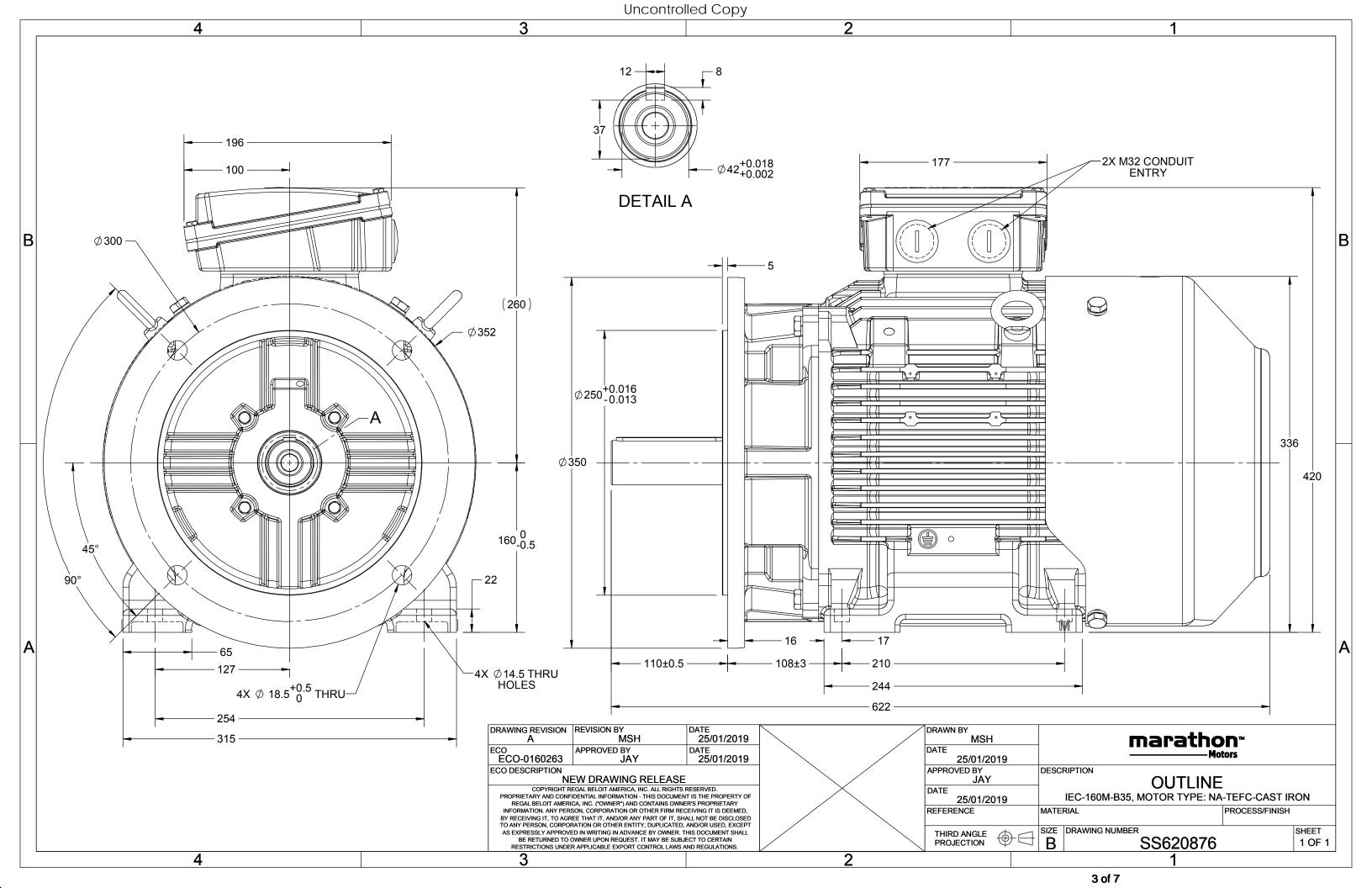
Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp		
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V		
Speed	1775 & 1485 rpm	Service Factor	1.15 & 1.15		
Frame	160M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	92.4 & 90.4 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	37.5/18.7 & 33/16.4 A	Power Factor	80		
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	.69 Ohms	Mounting	В3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Shaft Diameter	42.000 in			
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing	8442000715	Outline Drawing	SS620876			

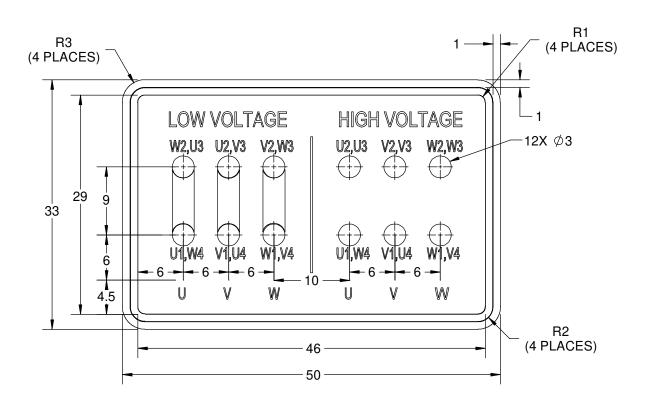
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

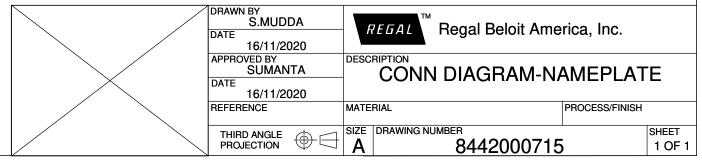
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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[™]



					CEF	RTIFICATION DATA S	HEET		P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:				
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING: SPEED:	AGRAM:	8442000677 SS620876 IE3L1604201	NONE	1			CUSTO	OMER P.O. #: CE MODEL #: CAT #: MER PART #: MOUNTING:	TCA0112AE231G	AA009 R834			
					YPICAL	MOTOR PERFORMA			I				
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
15	11.00	1800	1	775		160M	Т	EFC	TCA 160MB04	J		N	
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	37.5/18	.7&33/16.4	l	INE OR INVERTER	С	ONT	F	1.15	40	3300	
		I 00 4 I	0/4 L D EEE			40 LD EEE	04.0	OTD 555		E1 E0T T	VDE		
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	92.4 73.0		1/2 LD EFF 1/2 LD PF	91.6 61.0	91.3		SQ CAGE INV			
	F.L. FF	00.0	3/4 LD FF	73.0		1/2 LD FF	01.0	91.3		3Q CAGE IIV	KATED		
FI	TORQUE	LR AMPS @	460 V		IR.	TORQUE		B.D. TOR	RQUE F.L. RISE		(° C)		
	LB-FT	134	100 1	103	LB-FT	232%	142 LB-FT		320% 80		1		
SOUND PRESSURE @ 3 FT. SOUND POWER			TOR WK ² MAX. LOAD WK ²		SAFE S	TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT			
68	dBA	77 dBA	2.54	LB-FT ²	2.54	LB-FT ²	10	SEC.		2	155	KG.	
			`		*** SU	PPLEMENTAL INFORMA							
		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE			LOC	ARDOUS ATION	DRIP COVER SCREENS		PAINT BLUE (ENAMEL)		
FF-F	LANGE-300	STANDARD	B3	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (E	NAMEL)	
DE BI	EARINGS ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL	
BALL	BALL								-		 		
6309	6209	POLYREX EM	STANI	DARD IEC		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
	RMOSTATS NONE	PROTECTORS NOT		WDG RTD's NONE		BRG RTD's NONE		THERMISTORS NONE		CONTROL FALSE		SPACE HEATERS	
		R2 (ohms/ph)		ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT ODE			
	0.435	0.208	1	.002		1.229	28	3.214	1 0	.150	0	UE .	
* N O T									ERTER TORQUE: P SPEED RANGE:	CONSTANT 2:1/VAF	RIABLE 10:1		
E S *								ENCODER: NONE NONE			NONE	PPR	
PREPARED BY:													
FORM: 35	31 REV 4	2/27/06					VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC						











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: TCA0112AE231GAA009

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

Catalog No : R834

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

Created on 09/01/2022

Julian Clark Marketing Engineer

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