PRODUCT INFORMATION PACKET



Model No: TCA0223AE231GAA009

Catalog No: R844

TerraMAX® Cast Iron Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM,

200L Frame, TEFC





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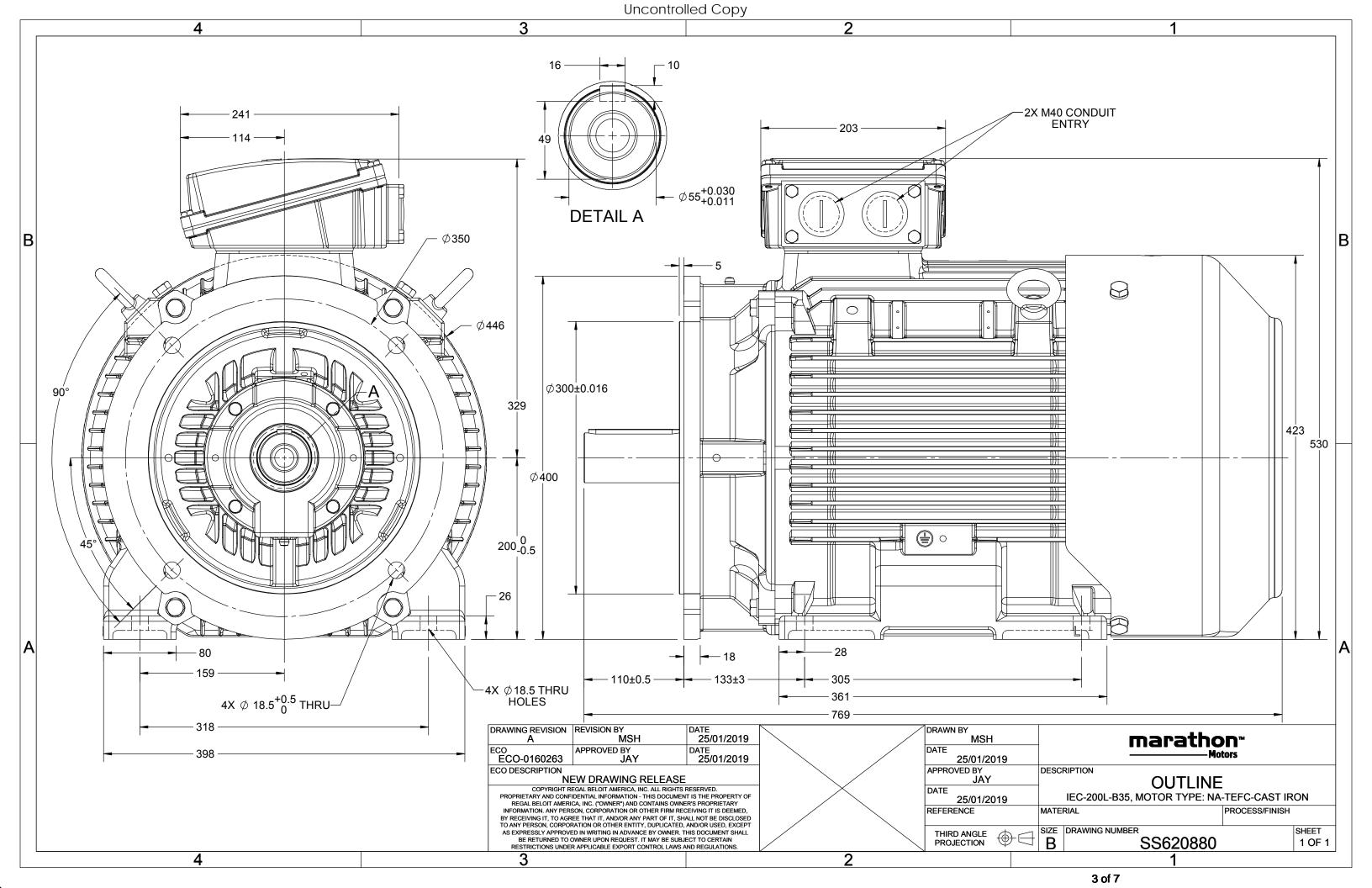
Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp			
Output KW	22.0 & 18.5 kW	Voltage	230/460 & 200/400 V			
Speed	1185 & 990 rpm	Service Factor	1.15 & 1.15			
Frame	200L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	93 & 91.7 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	76/38 & 76/38 A	Power Factor	78			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	J			
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212			
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	.24 Ohms	Mounting	В3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Shaft Diameter	55.000 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	8442000715	Outline Drawing	SS620880

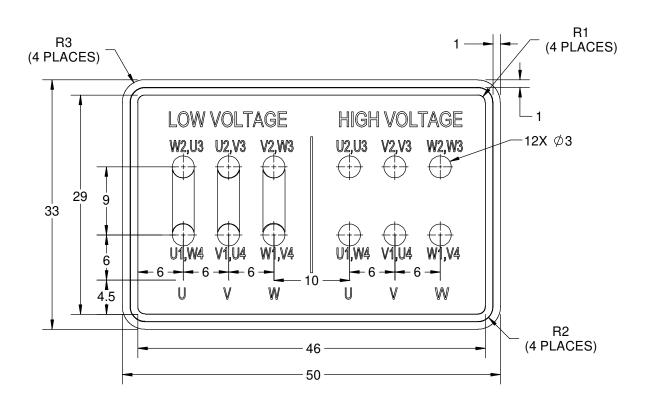
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

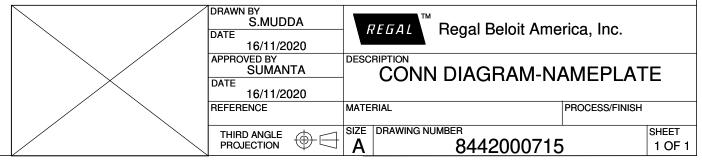
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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 544 PH. 715-675-331 DATA VOLTS:			
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING: SPEED:	AGRAM:	8442000677 \$\$620880 IE3L2006202	NONE	1	CEF	RTIFICATION DATA SI	CUSTO REFERENC CUSTON	OMER P.O. #: CE MODEL #: CAT #: MER PART #: MOUNTING:	TCA0223AE231G	AA009 8844		
OI EED.				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
HP	кw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
30	22.00	1200	1	185		200L	Т	EFC	TCA 200LB06	J		N
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	76/3	8&76/38	l	INE OR INVERTER	С	ONT	F	1.15	40	3300
		00.0	0/4 L D EEE			1/2 LD EFF	04.0	OTD 555		E1 E0T T	VDE	
F.L. EFF 93.0 3/4 LD EFF 93.0 F.L. PF 78.0 3/4 LD PF 72.0			1/2 LD PF			ELECT. TYPE SQ CAGE INV RATED						
	TORQUE	LR AMPS @	460 V		I P	TORQUE		B.D. TOR	RQUE F.L. RISE		(° C)	
	LB-FT	273	400 V	327 LB-FT 246%		372 LB-FT		280% 80		i (o,		
SOUND PRESSURE @ 3 FT. SOUND POWER			TOR WK ² MAX. LOAD WK ²			TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT		
65	dBA	74 dBA	14.8	LB-FT ²	14.8	LB-FT ²	15	SEC.		2	312	KG.
			•		*** 911	DDI EMENTAL INEODMA	TION ***					
MOUNT			*** SUPPLEMENTAL INFORMATION *** HAZARDOUS ITATION SEVERE DUTY LOCATION		DRIP COVER	SCREENS	PAINT					
	LANGE-350	STANDARD	B3	HORIZONTAL		NO	NONE		NO	NONE	BLUE (ENAMEL)	
									•		,	ĺ
DE BI	ARINGS ODE	GREASE	SHAF	T TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL				+				+			
6312	6212	SG S5-V100	STANI	STANDARD IEC		NONE		ONE	1045 HOT R	ROLLED (C-204) CAST		IRON
	RMOSTATS NONE	PROTECTORS NOT	WDG RTD's NONE			BRG RTD's NONE				NTROL ALSE	SPACE HEATERS	
						.70112			'			
		R2 (ohms/ph)		hms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.151	0.085	0	.558	0.964		14	1.551	0.150		ODE	
* N O T									ERTER TORQUE: P SPEED RANGE:	CONSTANT 2:1/VAF	RIABLE 10:1	
E S *								ENCODER: NONE NONE			NONE	PPR
PREPARED BY:					BRAKE: NONE NONE NONE FT-LB: NA							
FORM: 3531 REV_4 2/27/06				VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC								
		· · · · · ·					U	,				











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: TCA0223AE231GAA009

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

Catalog No : R844

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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