PRODUCT INFORMATION PACKET



Model No: TCA0372AE231GAA009

Catalog No: R849

TerraMAX® Cast Iron Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,

225S Frame, TEFC





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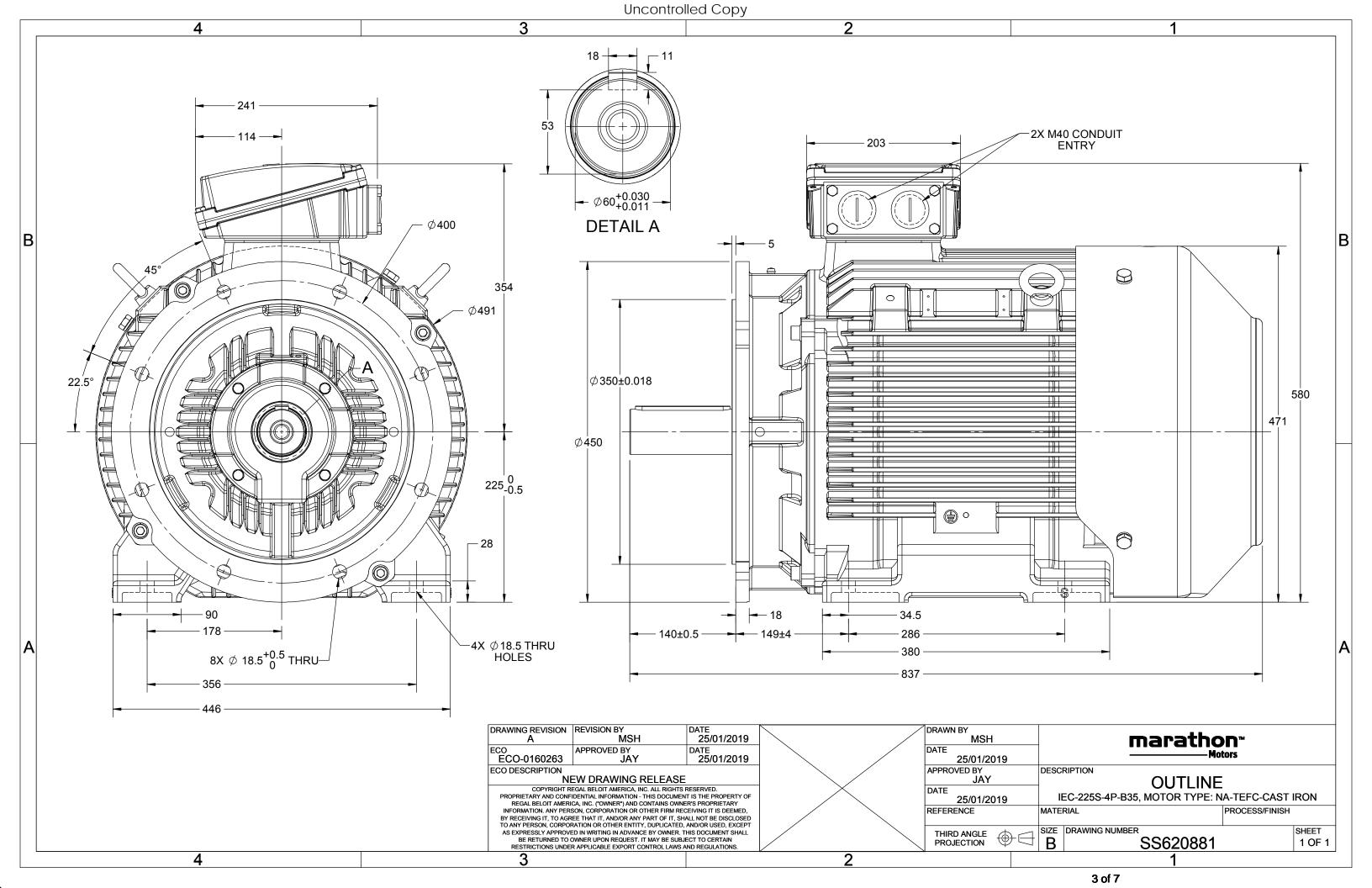
Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp		
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 200/400 V		
Speed	1785 & 1490 rpm	Service Factor	1.15 & 1.15		
Frame	225\$	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	94.5 & 93.6 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	118/59 & 112/56 A	Power Factor	84		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	J		
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	4	Rotation	Reversible			
Resistance Main	.13 Ohms	Mounting	В3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Shaft Diameter	60.000 in			
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing 8442000715		Outline Drawing	SS620881			

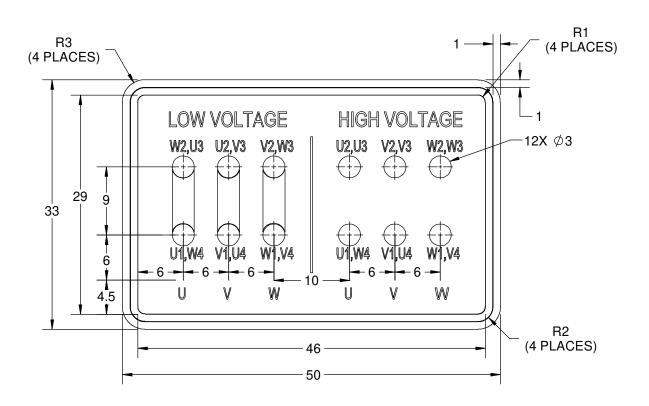
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

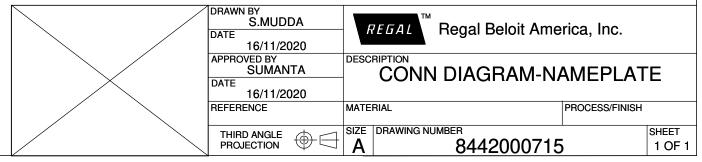
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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









					055	NTIFICATION DATA O			P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING: SPEED:	AGRAM:	8442000677 SS620881 IE3L2254201	NONE	1	CEF	RTIFICATION DATA SI	CUSTO REFERENCE CUSTOR	DMER P.O. #: CE MODEL #: CAT #: MER PART #: MOUNTING:	TCA0372AE231G	AA009 R849		
				Т	YPICAL	MOTOR PERFORMA	NCE DA	TA	T			
HP	KW	SYNC RPM	FL	RPM		FRAME	ENCL	OSURE	TYPE KVA CO		DDE	DESIGN
50	37	1800	1	785		2258	Т	EFC	TCA 225SA04	J		N
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	118/5	9&112/56	l l	INE OR INVERTER	С	ONT	F	1.15	40	3300
	F.L. EFF	94.5	3/4 LD EFF	94.5		1/2 LD EFF	93.9	GTD EFF		ELECT. T	VDE	
	F.L. PF		3/4 LD PF	79.0		1/2 LD PF			SQ CAGE INV RATED			
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TOR	RQUE F.L. RISE		(° C)	
147	LB-FT	454		346	LB-FT	235%	451	LB-FT	307% 80			
SOUND PRESSURE @ 3 FT. SOUND POWER			TOR WK ² MAX. LOAD WK ²			TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT		
69	dBA	78 dBA	17.3	LB-FT ²	17.3	LB-FT ²	15	SEC.		2	428	KG.
			•		*** 911	PPLEMENTAL INFORMA	TION ***					
MOUNT		SEVERE DUTY	HAZA	RDOUS	DRIP COVER SCREENS		PA	INT				
	LANGE-400	STANDARD	B3			NO	NONE		NO	NONE		ENAMEL)
										•		
	EARINGS	GREASE	SHAF	T TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
DE BALL	ODE BALL								+			
6313	6213	SG S5-V100	STANI	DARD IEC		NONE	N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
	RMOSTATS	PROTECTORS		RTD's		BRG RTD's		MISTORS	CONTROL		SPACE	HEATERS
	NONE	NOT	N	ONE		NONE	N	ONE	F.	ALSE		IA
R1	R1 (ohms/ph) R2 (ohms/ph)		X1 (o	ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
	0.085	0.034		.329	0.465 11.05			0.150		ODE		
N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
E S *								ENCODER: NONE NONE			NONE	PPR
PREPARED BY: DATE: 11/27/2020					BRAKE: NONE NONE FT-LB: NA							
	2						VOLTAGE: NONE HZ:					
FORM: 3531 REV_4 2/27/06				UL: V - LI,ME-INS,CONST UL REC								











REGAL

RPM



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: TCA0372AE231GAA009

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

Catalog No : R849

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

(€ 22