PRODUCT INFORMATION PACKET



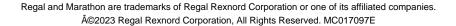
Model No: TCA2P22AE231GAA009

Catalog No: R822

TerraMAX® Cast Iron Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,

100L Frame, TEFC









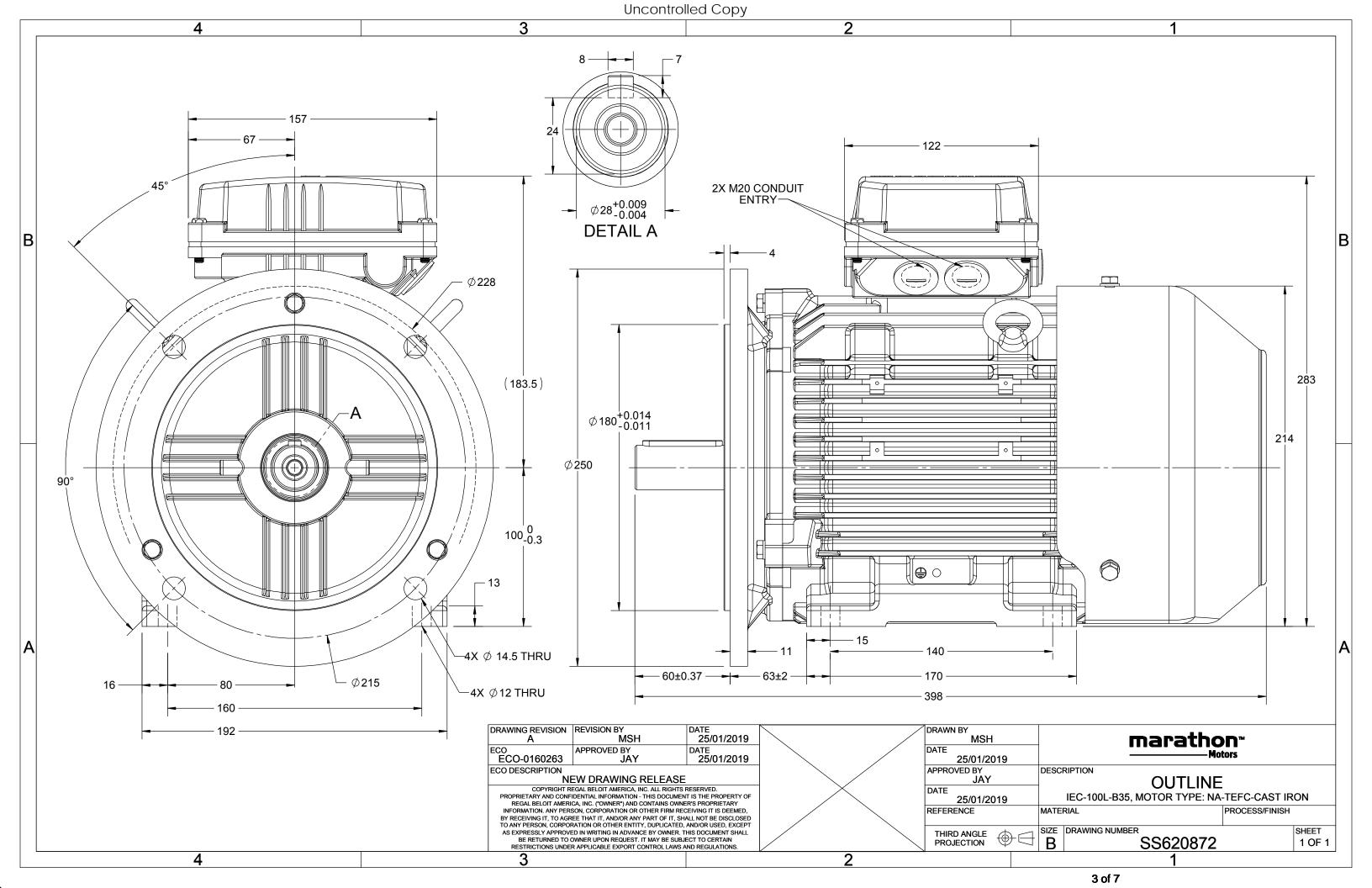
Nameplate Specifications

Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 200/400 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	100L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 85.3 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.8/3.9 & 7/3.5 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	М
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	N
CE	Υ	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

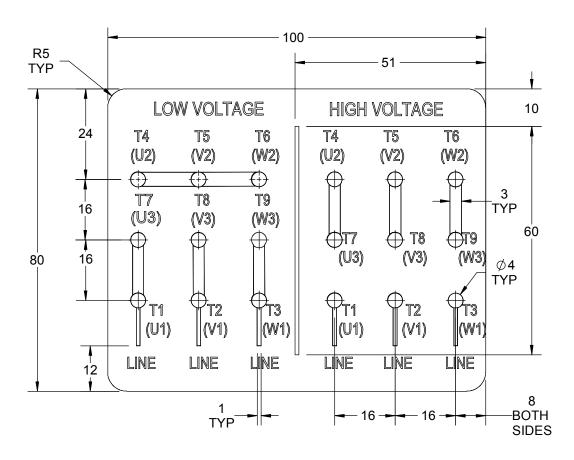
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	3.79 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Shaft Diameter	28.000 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	8442000675	Outline Drawing	SS620872

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



NOTES:

- 1. PRESSURE-SENSITIVE ADHESIVE TAPE COATED WITH ANTI-ADHESIVE.
- 2. YELLOW COLOR BACK GROUND LETTERS WILL BE BLACK.
- 3. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE BY THE TABLE.
- 4. LEAD TERMINAL MARKINGS FONT SIZE: T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 3mm SIZE.
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

DRAWING REVISION B	REVISION BY NIV	DATE 05/03/2019		DRAWN BY NIV	REGAL Regal Beloit Ame	orioo Ino			
ECO-0162986	APPROVED BY JAY	DATE 05/03/2019		DATE 29/01/2019	REGAL Regal Beloit Ame	erica, iric.			
ECO DESCRIPTION] \ /	APPROVED BY	DESCRIPTION				
UPDATED DRAWING				JAY	CONNECTION D	IAGRAM			
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REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY			29/01/2019	3 22/100 31/11/ 33/11					
INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED,			REFERENCE	MATERIAL	PROCESS/FINISH				
	EE THAT IT, AND/OR ANY PART OF IT, SH								
	ATION OR OTHER ENTITY, DUPLICATED O IN WRITING IN ADVANCE BY OWNER.			THIRD ANGLE	SIZE DRAWING NUMBER	SHEET			
BE RETURNED TO C	OWNER UPON REQUEST. IT MAY BE SUB	JECT TO CERTAIN		PROJECTION	A 8442000675				
RESTRICTIONS UNDER	R APPLICABLE EXPORT CONTROL LAWS	AND REGULATIONS.	V	V	<u> </u>	۱ ۵۰			



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 #:							REFERENC		TCA2P22AE231G			
CONN. DIA		8442000675						CAT #:	F	R822		
OUTLINE:		SS620872						MER PART #:				
WINDING:		IE3L1004201	NONE	1				MOUNTING:	F3			
SPEED:				-	VDIOAL	MOTOR REPEORMA	NOE D 4					
		ı		·	TPICAL	MOTOR PERFORMA	NCE DA	IA				
НР	кw	SYNC RPM	FL	. RPM	FRAME		ENCLOSURE		TYPE	KVA CO	DDE	DESIGN
							ZITOZOGOKZ				ATAGODE	
3	2.2	1800	1	770		100L	Т	EFC	TCA 100LA04	М		N
PH	HZ	VOLTS	Λ.	MPS		START TYPE	n	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400		.9&7/3.5		INE OR INVERTER		ONT	F	1.15	40	3300
	00/00	200/400#200/400	7.0/0	.50170.5		THE OIL HAVEIVIER	CONT			1.10	40	3300
	F.L. EFF	89.5	3/4 LD EFF	89.5		1/2 LD EFF	85.3	GTD EFF		ELECT. T	YPE	
	F.L. PF		3/4 LD PF	73.0		1/2 LD PF	62.0	87.9		SQ CAGE IN\		
F.L	. TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORG		QUE F.L. RISE		(° C)	
8.9	LB-FT	39.0		26.8 LB-FT		301%	33.7 LB-FT		379% 80			
SOUND F	PRESSURE @ 3											
	FT.	SOUND POWER		OR WK ² LB-FT ²		MAX. LOAD WK ² LB-FT ²		TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT
55	dBA	64 dBA	0.34	LB-F1	0.34	LB-F1"	10	SEC.		2	46	KG.
					*** CII	PPLEMENTAL INFORMA	TION ***					
			MOUNT		30	FFEEWENTAL INFORMA		RDOUS	1			
DE BR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIENTATIO		NTATION SEVERE DUTY		ATION	DRIP COVER	SCREENS	PAINT	
FF-F	LANGE-215	STANDARD	B3	HORIZONTAL NO		NO	NONE		NO	NONE BLUE (ENAMEL)
	EARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
DE	ODE				0.100.20		***************************************					
BALL	BALL	POLYREX EM	STANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6206	6206											
		1				1						
THE	RMOSTATS	PROTECTORS	wno	RTD's		BRG RTD's	THER	MISTORS	COL	NTROL	SPACE	HEATERS
	NONE	NOT	NONE		NONE		NONE		FALSE		NA	
	110.112			0.12	-	110112	.,,	0.12		LOL		
R1 (ohms/ph) R2 (ohms/ph)		R2 (ohms/ph)	X1 (o	X1 (ohms/ph)		X2 (ohms/ph)		hms/ph)	VIBRATION (in/sec)		FLOAT	
2.364 1.418		3	3.782 7.469		13	3.030	0.150		ODE			
		•			•	•			,		•	
*												
N O										CONSTANT 2:1/VAF	RIABLE 10:1	
								INV. HI	SPEED RANGE:	NONE		
Т									HONE			
E								ENCODER:	NONE			
S								NONE				
								NONE	NONE		NONE	PPR
PREPARED BY						BRAKE:			-			
PREPARED BY:					NONE NONE FT-LB: NA							
	DATE:	1112112020						VOLTAGE:		NA ONE		HZ:
FORM: 3531 REV 4 2/27/06					101 -		CONST UL REC	UNE		HZ:		
i Olvivi. 35	V 1 1\L V_4	2121100					UL:	LI,IVIL-IINO	SOME OF IVE			

REGAL









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: TCA2P22AE231GAA009

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

Catalog No : R822

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. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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