PRODUCT INFORMATION PACKET



Model No: TCA2P22AE211GAA009

Catalog No: R322B

Cast Iron Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 100L Frame, TEFC





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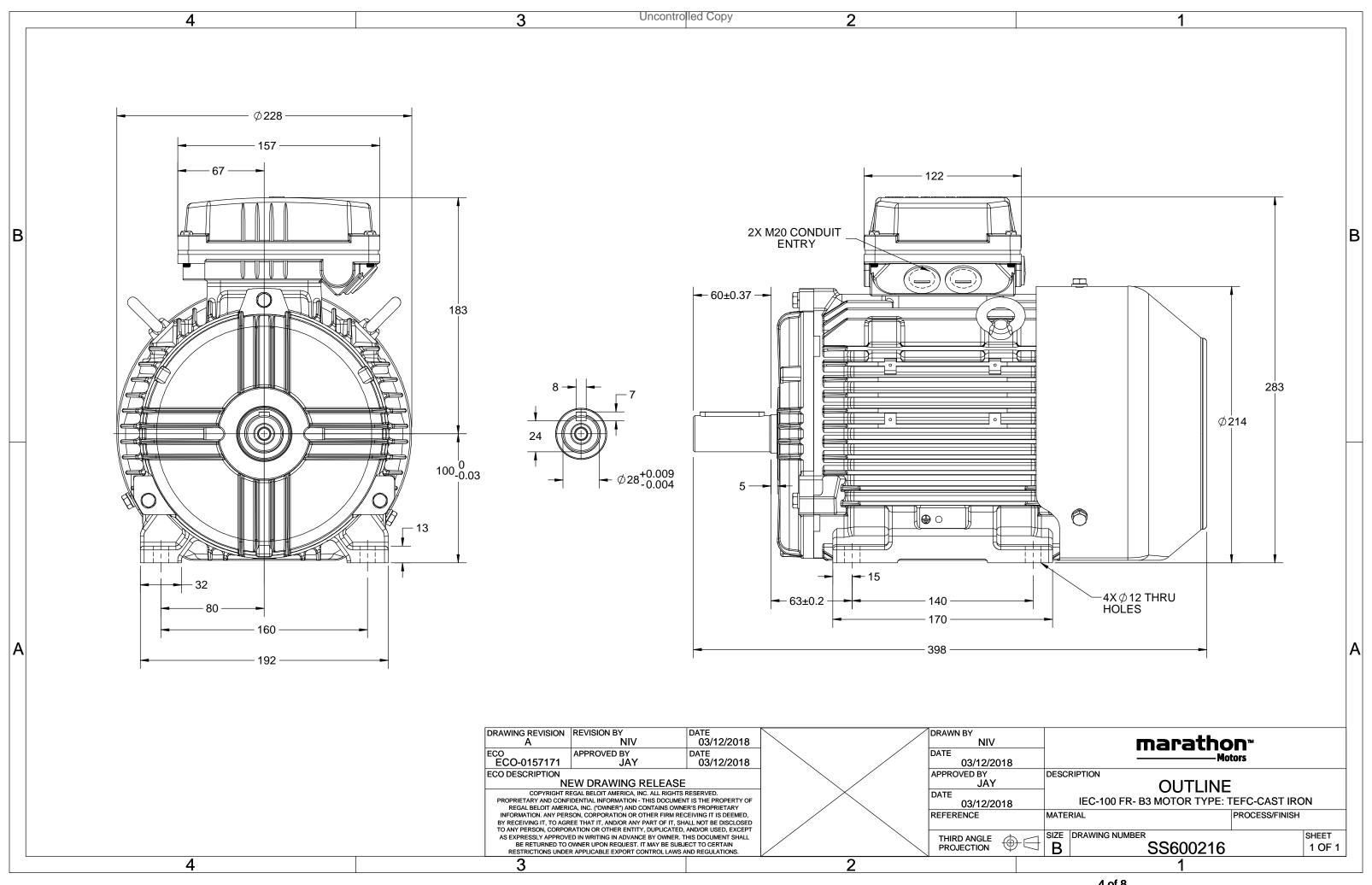
Nameplate Specifications

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

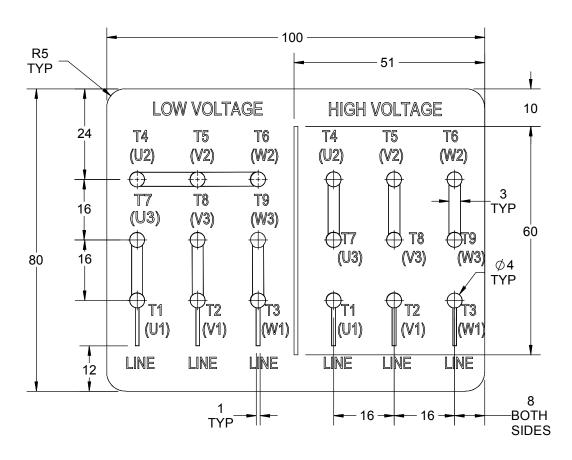
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	4	Rotation	Reversible		
Resistance Main	3.79 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	15.67 in		
Frame Length	7.87 in	Shaft Diameter	1.102 in		
Shaft Extension	2.36 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Outline Drawing	SS600216	Connection Drawing	8442000675		

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GENER	AL 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[™]



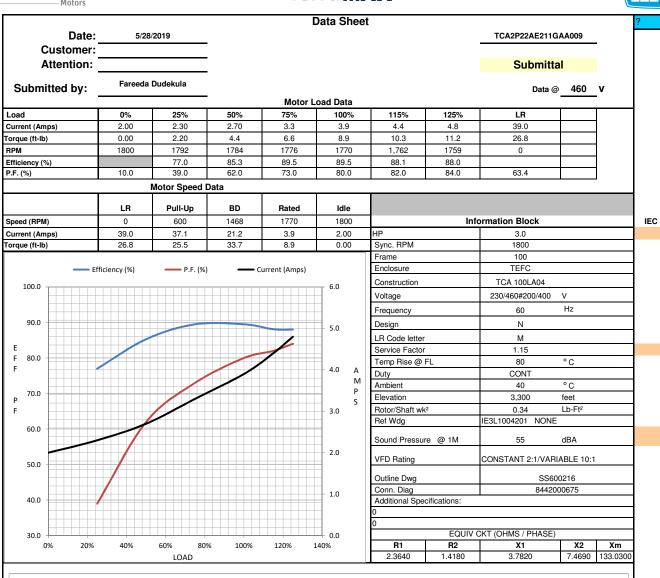
									P.O. BOX 8003				
					WAUSAU, WI 54401-8003								
								PH. 715-675-331	1				
									D474 VOLTO	100			
									DATA VOLTS:	460			
CERTIFICATION DATA SHEET													
CUSTOME	R:						CUST	OMER P.O. #:					
ORDER #:							REFEREN	CE MODEL #:	TCA2P22AE211G	AA009		-	
CONN. DIA	AGRAM:	8442000675		•				CAT #:	R	322B		•	
OUTLINE:		SS600216					CUSTOMER PART #						
WINDING:		IE3L1004201	I NONE	1				MOUNTING:					
SPEED:		1202100120											
0. LLD.		-		т,	VDIC AI	MOTOR PERFORMA	NCE DA	т.					
	I	T	1	<u>'</u>	IFICAL	MOTOR PERFORMA	NCE DE	NIA .	1			I	
HP	кw	SYNC RPM	FI	. RPM	FRAME		FNC	LOSURE	TYPE	KVA CO	DDF	DESIGN	
	1000	OTHO ICI		. 131 181		TRANE	Litto	LOGGIKE		INTO	, D.L.	DEGIGIT	
3	2.2	1800	1	1770		100L	1	EFC	TCA 100LA04	М		N	
						•			1				
PH	HZ	VOLTS	Α	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400	7.8/3	.9&7/3.5		LINE OR INVERTER	C	ONT	F	1.15	40	3300	
									1		•		
	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 INV			
		00.0	0.122	10.0			02.0	07.0	-	04 0/102 1111	101125		
	TORQUE	LR AMPS @	460.1/	l		TOPOUE	B.D. TORQUE F.L. RISE (°				(° C)	l	
			460 V	L.R. TORQUE		B.D. TORQUE				()			
8.9	LB-FT	39.0		26.8	LB-FT	301%	33.7	LB-FT	379%	80			
COLIND	PRESSURE @ 3	1							1				
200ND I	FT.	SOUND POWER	POT	OR WK²		MAX. LOAD WK ²	CAEE	TALL TIME	CTAD-	rs/Hour	APROX.	MOTOR WGT	
55	dBA	64 dBA	0.34	LB-FT ²	0.34	LB-FT ²			STAN	2	44		
55	UBA	04 UBA	0.34	LD-F1	0.34	LD-F I	10	SEC.		2	44	KG.	
					*** 011	DDI 54511741 INFORMA	TION ***						
		I	MOUNT		^^^ SU	PPLEMENTAL INFORMA		NDDOUIC .	1				
DE BD	ACKET TYPE	ODE BRACKET TYPE	TYPE			SEVERE DUTY	HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT		
	ANDARD	STANDARD	B3	HORIZONTAL NO			IONE	NO NONE		BLUE (ENAMEL)			
- 51	ANDAND	STANDARD	1 55	HONZON	NIAL.	140		IONE	INO	NONE	DLUL (L	INAMEL)	
	EARINGS	I	1						1		1		
		GREASE	GREASE SHAFT TYPE		AFT TYPE SPECIAL DE		SPECIAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL		
DE	ODE												
BALL	BALL	POLYREX EM	STANI	IDARD IEC NONE		N	IONE	1045 HOT ROLLED (C-204)		CAST IRON			
6206	6206												
		1							T		1		
l			1	I							SPACE	HEATERS	
THERMOSTATS PROTECTORS					BRG RTD's THERMISTORS			CONTROL					
NONE NOT		l N	NONE NONE		N	IONE	FALSE		NA				
R1 (ohms/ph) R2 (ohms/ph)			(ohms/ph) X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		FLOAT				
2.364 1.418 3.782		.782	7.469		13	3.030	0	.150	0	DE			
*													
N						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
0	0						INV. HP SPEED RANGE: NONE						
Т													
E								ENCODER:	NONE				
s								NONE					
						NONE NONE PP				PPR			
							BRAKE:	NONE		NONE			
PPER 1979 DV									Non	-			
PREPARED BY:						NONE NONE							
1	DATE: 11/16/2020						FT-LB: NA						
EOD::	ORM: 3531 REV 4 2/27/06						VOLTAGE: NONE HZ UL: V - LI,ME-INS,CONST UL REC				HZ:		
FUKM: 35	oiKEV_4	2/27/06					UL:	v - LI,IVIE-INS	OUND I UL KEC				

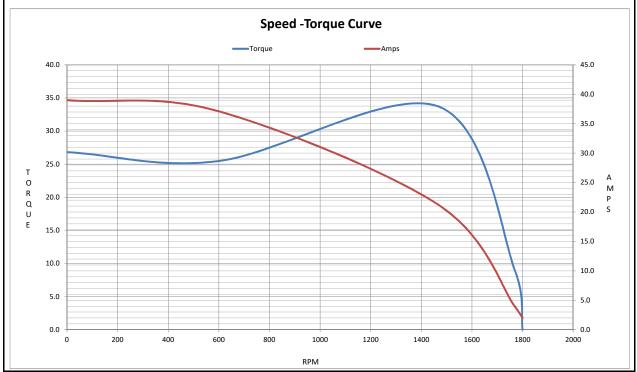














EC Declaration of Conformity

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: TCA2P22AE211GAA009

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

Catalog No: R322B

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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