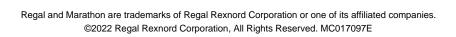
PRODUCT INFORMATION PACKET



Model No: TCA0223AP211GAA009 Catalog No: R444

Cast Iron Motor, 30 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 200L Frame, TEFC









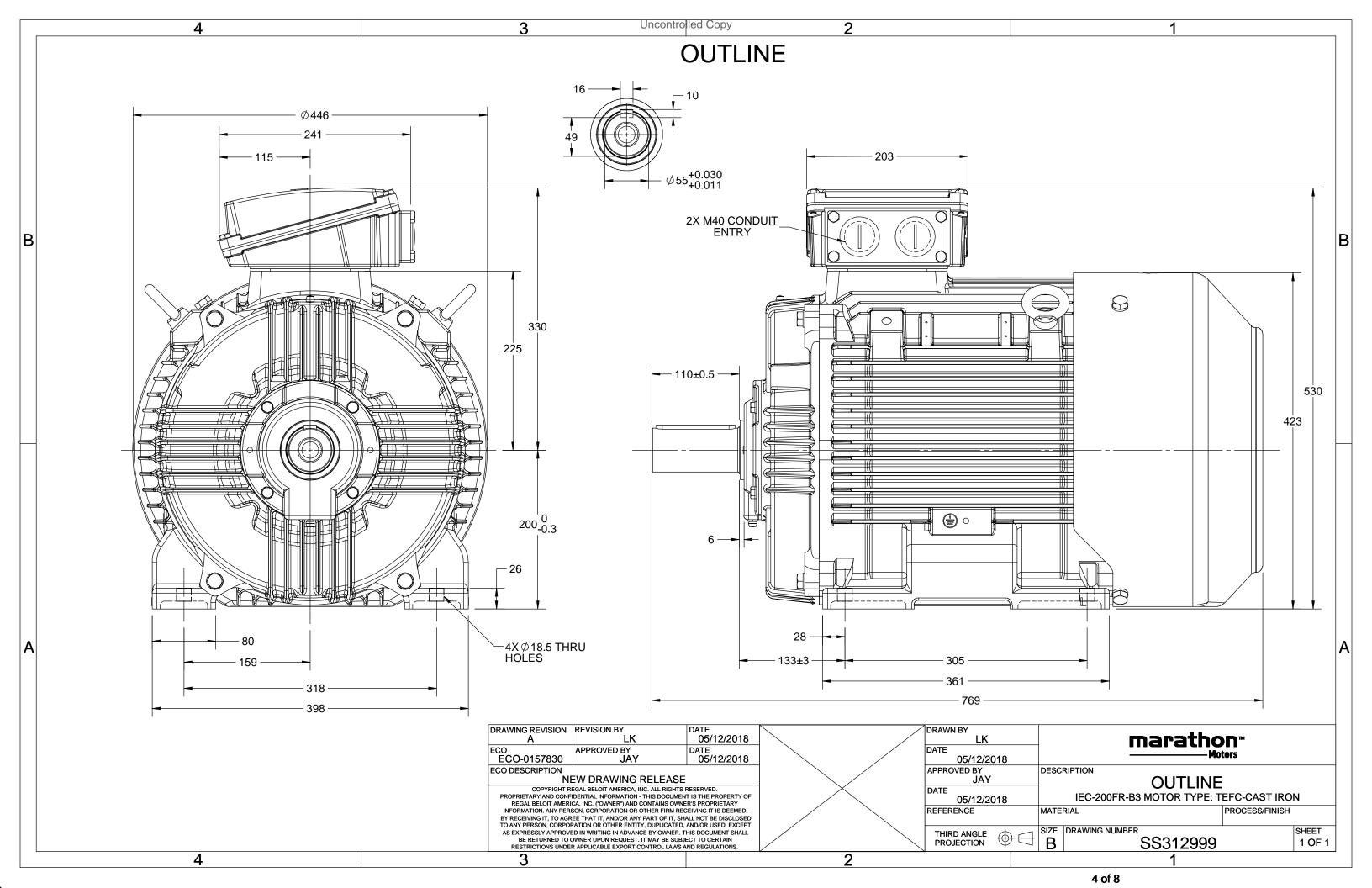
Nameplate Specifications

Output HP	30 Hp	Output KW	22.0 kW
Frequency	60 Hz	Voltage	575 V
Current	30.5 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	200L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	N
CE	Υ	IP Code	55
Number of Speeds	1	Efficiency Class	IE3

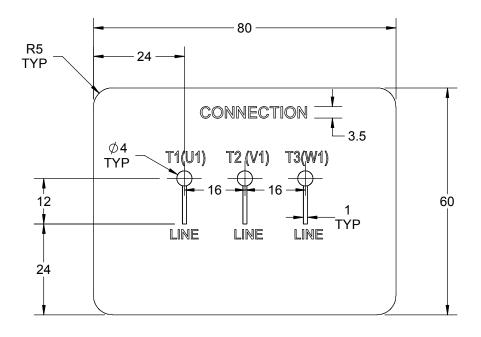
Technical Specifications

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	Overall Length	30.28 in
Frame Length	14.57 in	Shaft Diameter	2.170 in
Shaft Extension	4.33 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing	8442000685	Outline Drawing	SS312999

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GENER	RAL TOLERANCE						
	>0~6	±0.1					
LINEAR	>6~30	±0.2					
S IIVI	>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-T2 T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

0.011.2112									
DRAWING REVISION A	REVISION BY A. KEETHA	DATE 25/07/2019			DRAWN BY A. KEETHA		Regal Beloit Ame	rico Inc	
ECO ECO-0171114	APPROVED BY SN	DATE 25/07/2019			DATE 24/07/2019		Regal Beloit Ame	ilica, ilic.	
ECO DESCRIPTION			1		APPROVED BY	DESC	RIPTION		
NEW DRAWING RELEASE					SN		CONNECTION D	IAGRAM	
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.		1	X	DATE					
PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY				24/07/2019		3 LEAD CONNECT	ION		
	SON, CORPORATION OR OTHER FIRM				REFERENCE	MATE	RIAL	PROCESS/FINISH	
	REE THAT IT, AND/OR ANY PART OF IT,								
	RATION OR OTHER ENTITY, DUPLICAT				<u> </u>	1 SIZE	DRAWING NUMBER		OLIEET
	ED IN WRITING IN ADVANCE BY OWNE				THIRD ANGLE	1 3125			SHEET
	OWNER UPON REQUEST. IT MAY BE S		/		PROJECTION	⊺∣ Δ	8442000685	5	1 OF 1
RESTRICTIONS UNDE	R APPLICABLE EXPORT CONTROL LAV	VS AND REGULATIONS.	I /		J	· /	0 11 200000	,	. 🗸 .



FORM: 3531 REV_4 2/27/06
** Subject to change without notice.

DATA VOLTS: 575

CERTIFICATION DATA SHEET

REFERENCE MODEL #: TCA0223AP211GAA009

								REFERENC	E MODEL #:	TCA0223AP21	1GAA009			
CONN. DI		844200067	7						CAT #:	R	444		_	
OUTLINE:		SS312999												
WINDING:		IE:	3L2006202	NONE	3				MOUNTING:	F3				
						TYPIC	AL MOTOR PERFORM	ANCE D	ATA					
НР	кw	SYNC	RPM	FLR	PM		FRAME	ENCLOSURE		TYPE	KVA C	ODE	DESIGN	
30	22.0	12	00	118	25		200L	TEFC TFN		TFN	J		N	
30	22.0	12	00	110	55		200L		EFC	IFIN	J	'	IN IN	
PH	HZ	VOI	LTS	AM	PS		START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV. (Ft)	
3	60	57	75	30	.5		LINE OR INVERTER	CONT		F	1.15	40	3300	
	F.L. EFF	93.0		3/4 LD EFF	93.0	1	1/2 LD EFF	91.9	GTD EFF		EL EC:	T. TYPE		
	F.L. PF			3/4 LD PF	72.0		1/2 LD PF		92.0			INV RATED		
	ORQUE		LR AMPS				R. TORQUE		B.D. TORQ		F.L. RIS	E (° C)		
133	LB-FT		218		327	LB-FT	246%	372	LB-FT	280%	80			
SOUND F	PRESSURE	SOL	JND	ROTO	R WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	APROX.	MOTOR	
65	dBA	74	dBA	14.8	LB-FT ²	14.8	LB-FT ²	15	SEC.		2	300	KG.	
				•			SUPPLEMENTAL INFORM							
DE DD40	WET TWO				HAZARDOUS LOCATION DRIP COVER SCREENS PAINT									
DE BRACKET TYPE STANDARD		STAN				TATION SEVERE DUTY ZONTAL NO		LOCATION NONE		NO NO			(ENAMEL)	
0174	4D/111D	01744	DATE	_ B0	TIOTAL	LOITINE	NO	· ·	IONE	110	HOHE	DEGE	(LIV WILL)	
	RINGS	GRE	ASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME	FRAME MATERIAL	
DE	ODE													
6311	6211	POLYR	EX EM	STANDA	RD IEC		NONE	١	IONE	1045 HOT ROLLED (C-204)		CAST IRON		
0011	0211													
												SPACE	HEATERS	
	IOSTATS	PROTE		WDG I			BRG RTD's	THERMISTORS		CONTROL FALSE				
NO	ONE	NO)	NO	NE		NONE	r	IONE	I FA	ILSE		NA	
R1 (ol	R1 (ohms/ph) R2 (ohms/ph)		X1 (ohr	X1 (ohms/ph)		X2 (ohms/ph)	Xm (ohms/ph)		VIBRATION (in/sec)					
0.3	6875	0.207	8125	1.36	25		2.3546875	3	5.525	0.	.150			
*								le laccadas	I- NONE		for further inforn			
N								III inverter			CONSTANT 2:1		:1	
Ö								i		EED RANGE:				
т														
E									ENCODER:	NONE				
s									NONE					
_ *									NONE	NONE		NONE	PPR	
PRES	PARED BY:								BRAKE:	ONE	NO	NE		
""	DATE:	9/22/	2021					1	FT-LB:		NA NA			
									VOLTAGE:		ONE		HZ:	
FORM: 35	531 REV 4	2/27/06												



50.0

0.0

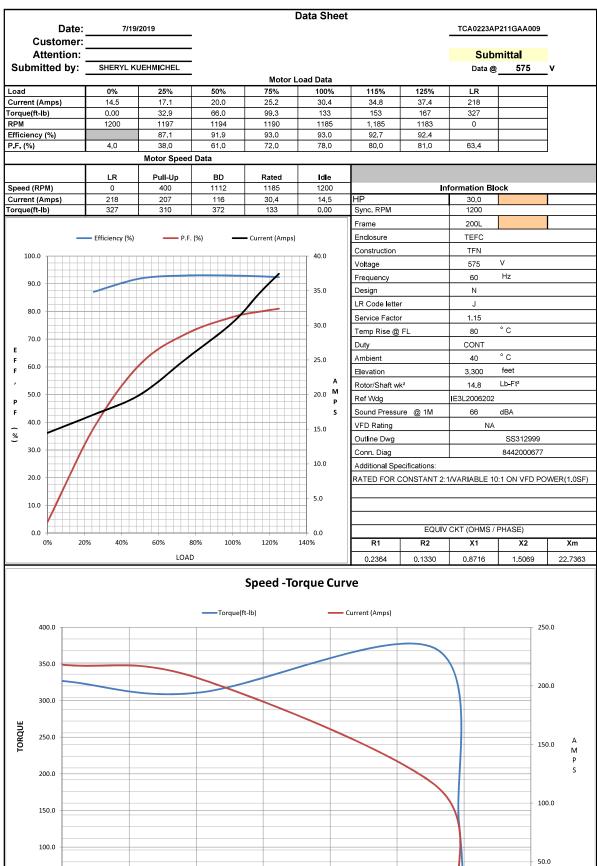
200

400

RPM







1200

1000

0.0

1400



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: TCA0223AP211GAA009

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

Catalog No: R444 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

C€ 22