PRODUCT INFORMATION PACKET



Model No: TCA0152AP211GAA009
Catalog No: R437
Cast Iron Motor, 20 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 160L Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





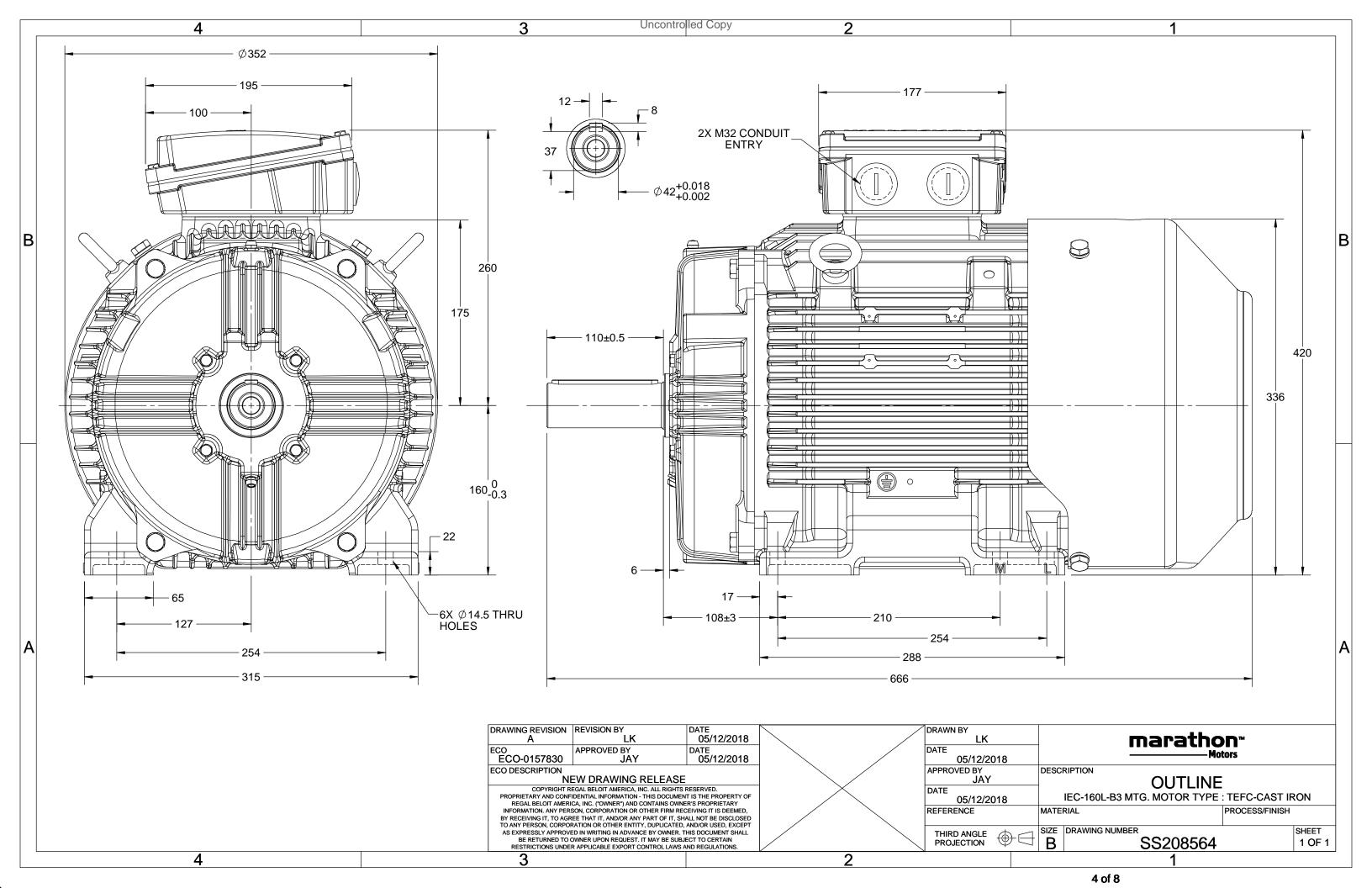
Nameplate Specifications

Output HP	20 Hp	Output KW	15.0 kW
Frequency	60 Hz	Voltage	575 V
Current	20.1 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Frame	160L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	N
CE	Υ	IP Code	55
Number of Speeds 1		Efficiency Class	IE3

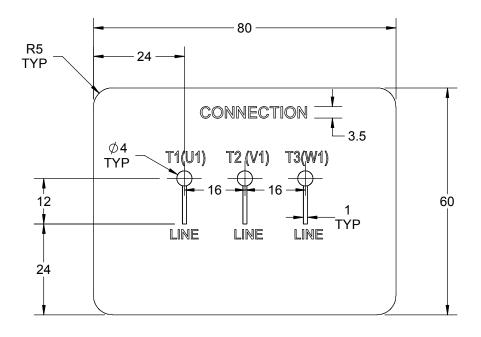
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.49 Ohms	Mounting	B3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	26.22 in
Frame Length	11.73 in	Shaft Diameter	1.654 in
Shaft Extension	4.33 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing	8442000685	Outline Drawing	SS208564

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:01/27/2023



GENER	RAL 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-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	,	. 🗸 .



TerraMAX[™]



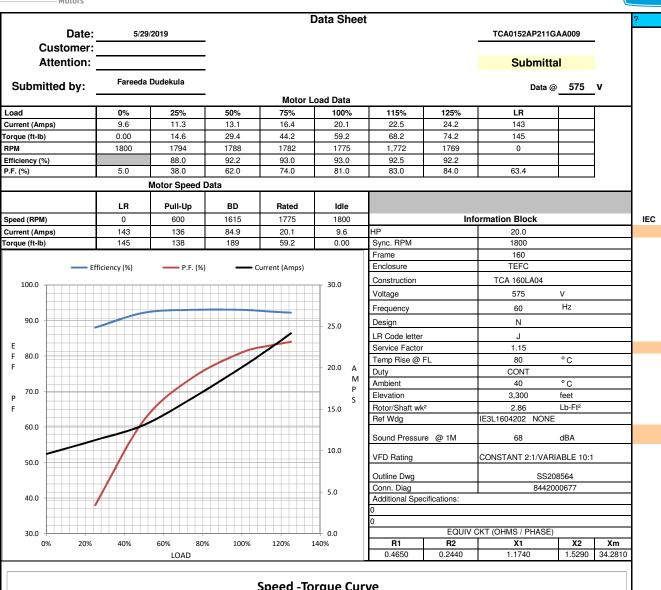
					CEI	PTIEICATION DATA S	HEET		P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
CUSTOMER: ORDER #: CONN. DIAGRAM: 8442000685 OUTLINE: SS208564 WINDING: IE3L10 SPEED:			NONE	REF C NONE 3				CAT #: MER PART #: MOUNTING:	#: TCA0152AP211GAA009 #: R437 #:			
НР	кw	SYNC RPM	-	. RPM	YPICAL	MOTOR PERFORMA			TYPE	10/4 00	NDF.	DESIGN
		-				FRAME ENCLOSURE			KVA CODE			
20	14.9	1800	1	775	<u> </u>	160L	TEFC		TCA 160LA04	J	N	
PH 3	HZ 60	VOLTS 575		MPS 20.1	l	START TYPE .INE OR INVERTER		UTY ONT	INSL F	S.F. 1.15	AMB (° C) 40	ELEV.(Ft.) 3300
	F.L. EFF		3/4 LD EFF	93.0		1/2 LD EFF	92.2 GTD EFF			ELECT. T		
	F.L. PF	81.0	3/4 LD PF	74.0	1/2 LD PF 62.0 92.0				SQ CAGE INV RATED			
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TOR		QUE F.L. RISE		(° C)	
59.2	LB-FT	143		145	LB-FT 245% 189 LB-FT			LB-FT	319% 80			
	PRESSURE @ 3 FT.	SOUND POWER			MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT
68	dBA	77 dBA	2.86	2.86 LB-FT ² 2.86 LB-FT ²			10	SEC.		2	163	KG.
					*** SU	PPLEMENTAL INFORMA						
	ACKET TYPE					HAZARDOUS LOCATION NONE		DRIP COVER	SCREENS	PAINT BLUE (ENAMEL)		
SI	ANDARD	STANDARD	B3	HORIZO	NIAL	NO	N	ONE	NO	NONE	BLUE (E	:NAMEL)
DE BE	EARINGS ODE	GREASE	SHAF	SHAFT TYPE SPECIAL DE SP		SPEC	IAL ODE	SHAFT MATERIAL		FRAME MATERIAL		
BALL 6309	BALL 6209	POLYREX EM	STANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
	RMOSTATS NONE	PROTECTORS NOT		G RTD's ONE	BRG RTD's NONE		THERMISTORS NONE		CONTROL FALSE		SPACE HEATERS	
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.727	0.381		.834	2.389			53.564 0.150			ODE	
* N O T								INV. H	P SPEED RANGE:	CONSTANT 2:1/VAR	RIABLE 10:1	
E S *								ENCODER: NONE NONE			NONE	PPR
PREPARED BY:							BRAKE: NONE NONE NONE FT-LB: NA					
FORM: 35	FORM: 3531 REV_4 2/27/06						VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC					

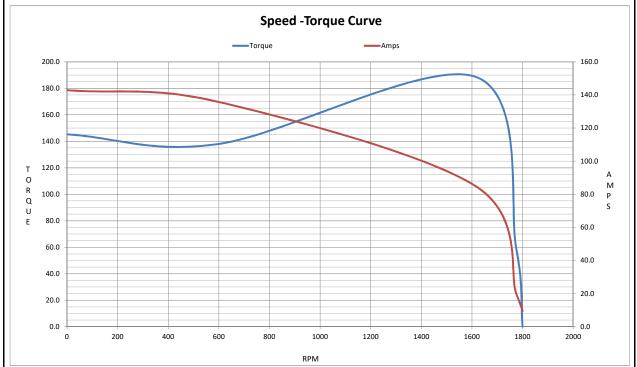














EC Declaration of Conformity

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: TCA0152AP211GAA009

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

Catalog No : R437
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:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer