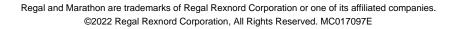
PRODUCT INFORMATION PACKET



Model No: TCA18P1AP211GAA009
Catalog No: R439
Cast Iron Motor, 25 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 160L Frame, TEFC









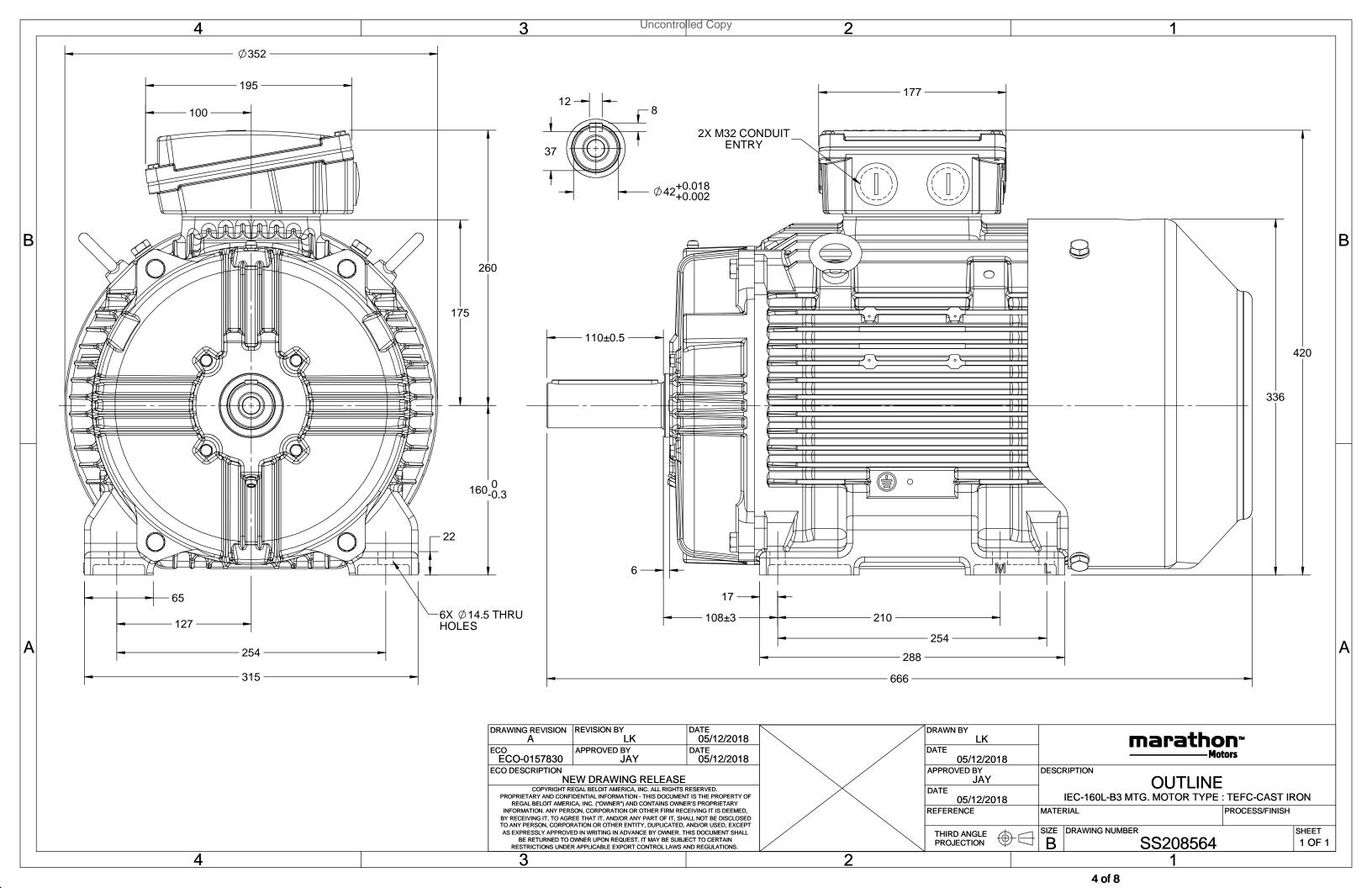
Nameplate Specifications

Output HP	25 Hp	Output KW	18.5 kW
Frequency	60 Hz	Voltage	575 V
Current	22.5 A	Speed	3550 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	Н
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

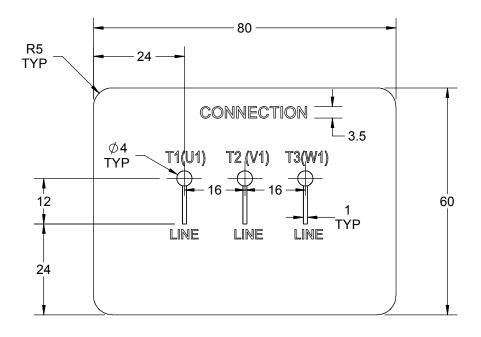
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	.5 Ohms	Mounting	В3		
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				
Outline Drawing	SS208564	Connection Drawing	8442000685		

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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		
INFORMATION, ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED.				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



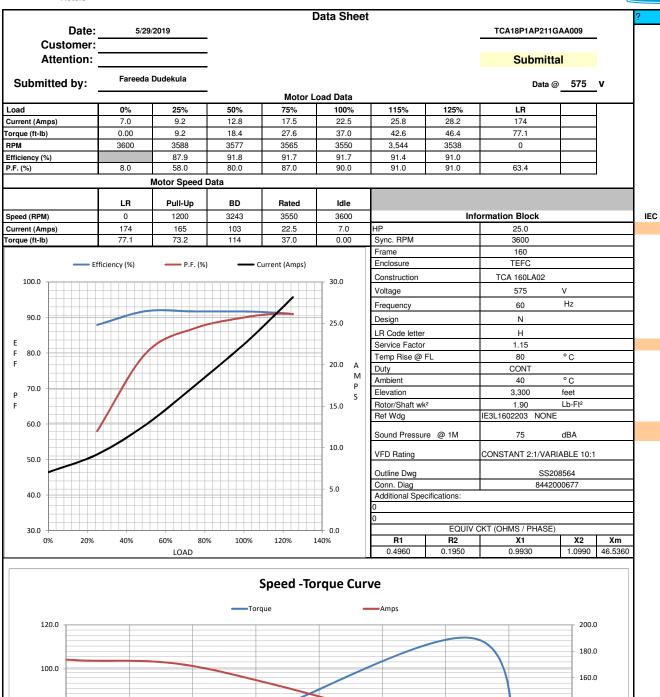
									P.O. BOX 8003 WAUSAU, WI 54 PH. 715-675-331 DATA VOLTS:			
	CERTIFICATION DATA SHEET											
CUSTOME	R:						CUSTO	OMER P.O. #:				
ORDER #:							REFERENC		TCA18P1AP211G			
CONN. DIA OUTLINE:	AGRAM:	8442000685 SS208564					CAT #: CUSTOMER PART #:					
WINDING:		IE3L1602203	NONE	3				MOUNTING:	F3			
SPEED:				_								
TYPICAL MOTOR PERFORMANCE DATA												
HP	KW	SYNC RPM	FL	RPM	FRAME		ENCLOSURE		TYPE	KVA CODE D		DESIGN
25	18.7	3600	3	550		160L	TI	EFC	TCA 160LA02	н		N
PH	HZ	VOLTS	Α	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60	575	2	22.5	L	INE OR INVERTER	C	ONT	F	1.15	40	3300
	F.L. EFF	91 7	3/4 LD EFF	91.7		1/2 LD EFF	91.8 GTD EFF		ELECT. TYPE		YPF	
	F.L. PF		3/4 LD PF	87.0	1/2 LD PF 80.0 90.5			SQ CAGE INV RATED				
F.L.	TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORQ		QUE F.L. RISE		(° C)	
37.0	LB-FT	174		77.1	LB-FT 208% 114 LB-FT		LB-FT	308% 80				
SOUND F	SOUND PRESSURE @ 3 FT. SOUND POWER ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT		
75	dBA	84 dBA	1.90	LB-FT ²	1.9	LB-FT ²	7 SEC.		2		166	KG.
			`		*** SUI	PPLEMENTAL INFORMA	TION ***					
MOUNT						HAZARDOUS LOCATION		DRIP COVER SCREENS				
	ACKET TYPE ANDARD	ODE BRACKET TYPE STANDARD	TYPE B3	MOTOR ORIENTATION SEVI		NO NO		ONE	NO NO	NONE	PAINT BLUE (ENAMEL)	
0.	, 110, 110	0174187418	50	HORES	*****			0.112		110.112	2502 (5	iro unee)
DE	ARINGS ODE	GREASE	SHAF	T TYPE	SPECIAL DE		SPEC	IAL ODE	SHAFT MATERIAL		FRAME MATERIAL	
6309	BALL 6209	POLYREX EM	STANE	DARD IEC	NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
											SPACE	HEATERS
THERMOSTATS PROTECTORS			VDG RTD's		BRG RTD's		MISTORS	CONTROL				
NONE NOT		N	NONE NONE		NONE	NONE		FALSE		NA		
R1 (ohms/ph) R2 (ohms/ph)		X1 (o	(ohms/ph)		X2 (ohms/ph)		hms/ph)	VIBRATION (in/sec)		FLOAT		
	0.775	0.305	1	.552	1.717 72.		2.713	C	1.150	O	DE	
* N O T									RTER TORQUE: SPEED RANGE:	CONSTANT 2:1/VAR NONE	IABLE 10:1	
E S *								ENCODER: NONE NONE	NONE		NONE	PPR
PREPARED BY:							BRAKE: NONE					
FORM: 3531 REV_4 2/27/06						UL: V-LI,ME-INS,CONST UL REC						

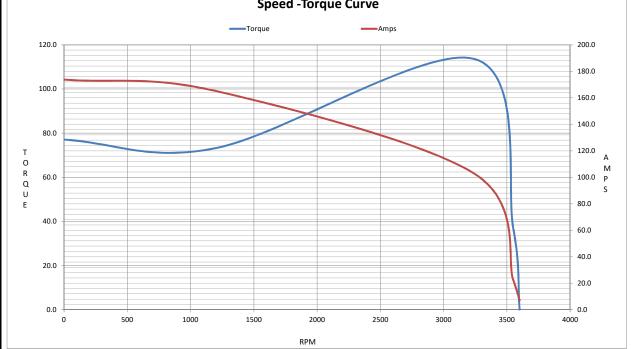














EC Declaration of Conformity

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: TCA18P1AP211GAA009

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

Catalog No: R439 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