PRODUCT INFORMATION PACKET



Model No: TCA18P3AE211GAA009 Catalog No: R341B

Cast Iron Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 200L Frame,

TEFC





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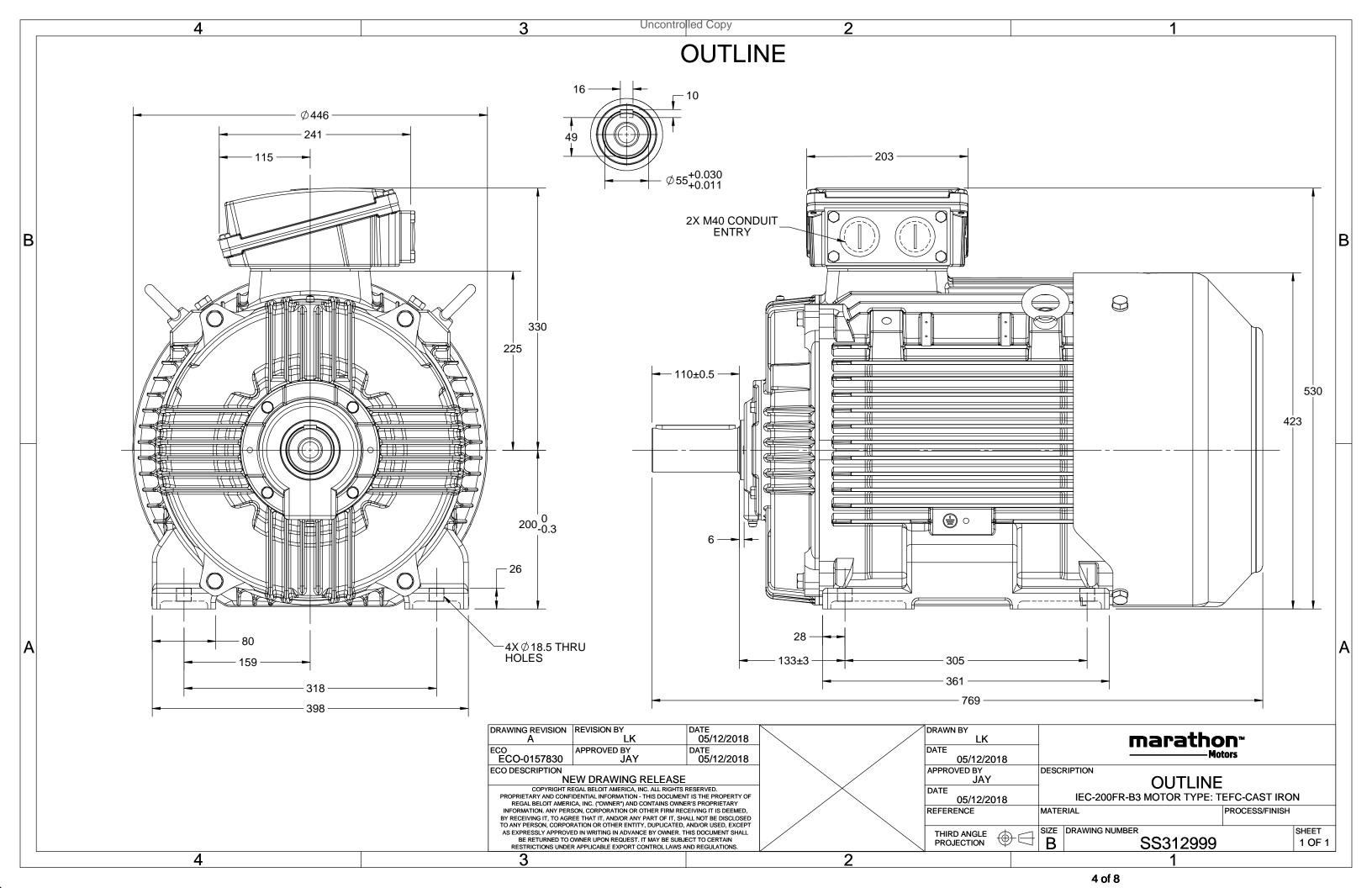
Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.5 & 15.0 kW	Voltage	230/460 & 200/400 V
Speed	1185 & 990 rpm	Service Factor	1.15 & 1.15
Frame	200L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 91.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	64/32 & 64/32 A	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	J
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212
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	Line Or Inverter		
Poles	6	Rotation	Reversible			
Resistance Main	.29 Ohms	Mounting	B3			
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	2.165 in			
Shaft Extension	4.33 in	Assembly/Box Mounting	F3			
Inverter Load	CONSTANT 2:1/VARIABLE 10:1					
Connection Drawing	8442000715	Outline Drawing	SS312999			

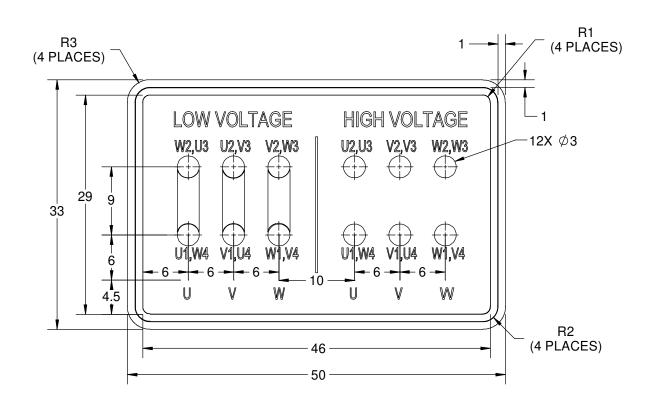
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

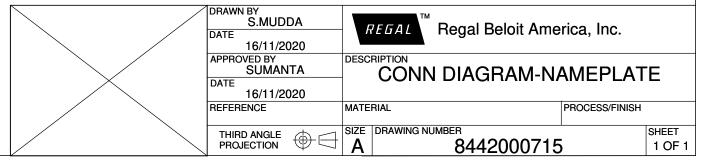
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



NOTES:

- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. 1.
- 2.
- THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE 3. BY THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 4. 3mm SIZE
- OTHER LETTER FONT SIZE SHOULD BE 3.5mm. 5.

8WD.442.2017





TerraMAX[™]



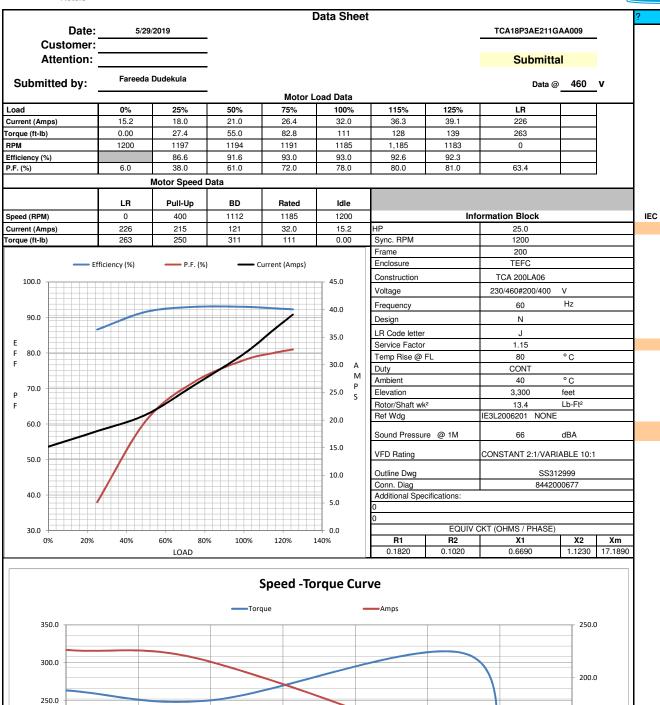
P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311 DATA VOLTS: 460													
	CERTIFICATION DATA SHEET												
		8442000677 SS312999				CUSTOMER P.O. #: REFERENCE MODEL #: CAT #: CUSTOMER PART #:		TCA18P3AE211GAA009 R341B			 - 		
WINDING: SPEED:	WINDING: IE3L2006201 NONE 1 MOUNTING: F3												
					YPICAL	MOTOR PERFORMA							
HP	KW	SYNC RPM		. RPM		FRAME	ENCLOSURE		TYPE		A CODE DESIGN		
25	18.7	1200		1185		200L TEFC		TCA 200LA06	LA06 J		N		
PH 3	HZ 60/50	VOLTS 230/460#200/400		MPS 2&64/32		START TYPE LINE OR INVERTER		OUTY	INSL F	S.F.	AMB (° C)	ELEV.(Ft.) 3300	
3	•				'				F			3300	
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	93.0 72.0		1/2 LD EFF 1/2 LD PF			ELECT. TYPE SQ CAGE INV RATED				
	. TORQUE	LR AMPS @	460 V			TORQUE	B.D. TORG		QUE F.L. RISE		(° C)		
111	LB-FT	226		263 LB-FT 237% 311 LB-FT		LB-FT	280% 80						
SOUND PRESSURE @ 3 FT. SOUND POWER				ROTOR WK ² MAX. LOAD WK ²			SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT	
65	dBA	74 dBA	13.4	LB-FT ²	13.4	LB-FT ²	15	SEC.		2	285	KG.	
					*** SU	PPLEMENTAL INFORMA	TION ***						
	ACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION SEVERE DUTY		LOC	ARDOUS CATION	DRIP COVER	SCREENS	PAINT			
ST	ANDARD	STANDARD	В3	HORIZOI	NTAL	NO	NONE NO NONE BLUE (ENAMEL)						
DE BI	EARINGS ODE	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL FRAME MATERIA		MATERIAL	
6312	BALL 6212	SG S5-V100	STAN	DARD IEC		NONE	N	IONE	1045 HOT R	1045 HOT ROLLED (C-204)		CAST IRON	
THE	RMOSTATS	PROTECTORS	WDG	WDG RTD's		BRG RTD's		MISTORS	CONTROL		SPACE	HEATERS	
	NONE	NOT	N	NONE NONE		N	IONE	FALSE		NA			
R1 (ohms/ph) R2 (oh		R2 (ohms/ph)		I (ohms/ph) X2 (ohms/ph)			ohms/ph)	VIBRATION (in/sec)		FLOAT			
	0.182	0.102	C	.669		1.123	1	7.189	0	.150	0	DE	
* N O T								INV. HF	SPEED RANGE:	CONSTANT 2:1/VAR NONE	NABLE 10:1		
E S S						ENCODER: NONE NONE				PPR			
PREPARED BY:					BRAKE: NONE NONE NONE								
DATE: 11/16/2020 FORM: 3531 REV 4 2/27/06					FT-LB: NA VOLTAGE: NONE HZ: UL: V-LI.ME-INS,CONST UL REC								
i Olvivi. 33	KWI: 3531 REV_4 2/2/1/06 UE: V - LI,ME-ING, CONSTITUTE												

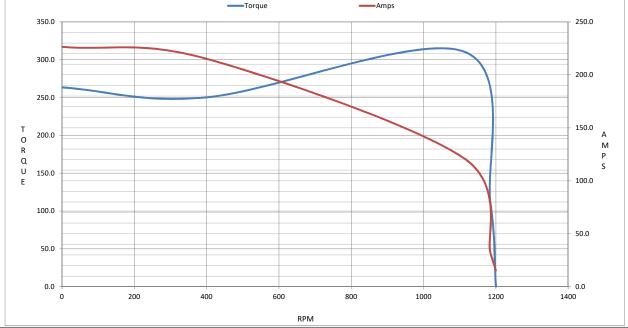
REGAL













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: TCA18P3AE211GAA009

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

Catalog No : R341B

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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