PRODUCT INFORMATION PACKET



Model No: TCA0753AE211GAA009

Catalog No: R508A

Cast Iron Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 315S Frame,

TEFC





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Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp				
Output KW	75.0 & 55.0 kW	Voltage	230/460 & 200/400 V				
Speed	1190 & 995 rpm	Service Factor	1.15 & 1.15				
Frame	315S	Enclosure	Totally Enclosed Fan Cooled				
Thermal Protection	No Protection	Efficiency	95 & 94.1 %				
Ambient Temperature	40 °C	Frequency 60 & 50 Hz					
Current	246/123 & 220/110 A	Power Factor	81				
Duty	Continuous	Insulation Class	F				
Design Code	N (IEC)	KVA Code	G				
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6319				
UL	Recognized	CSA	N				
CE	Υ	IP Code	55				
Number of Speeds	1	Efficiency Class	IE3				

Technical Specifications

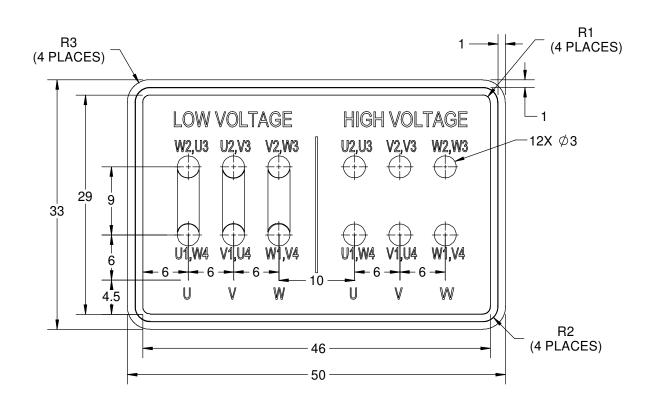
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter Reversible		
Poles	6	Rotation			
Resistance Main	.04 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	47.48 in		
Frame Length	28.70 in	Shaft Diameter	3.150 in		
Shaft Extension	6.69 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000715	Outline Drawing	SS557802		

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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						

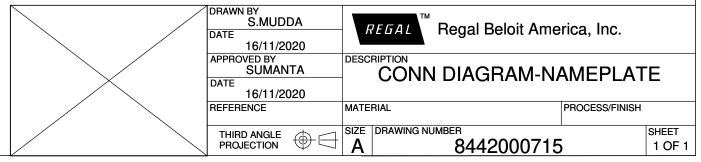
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



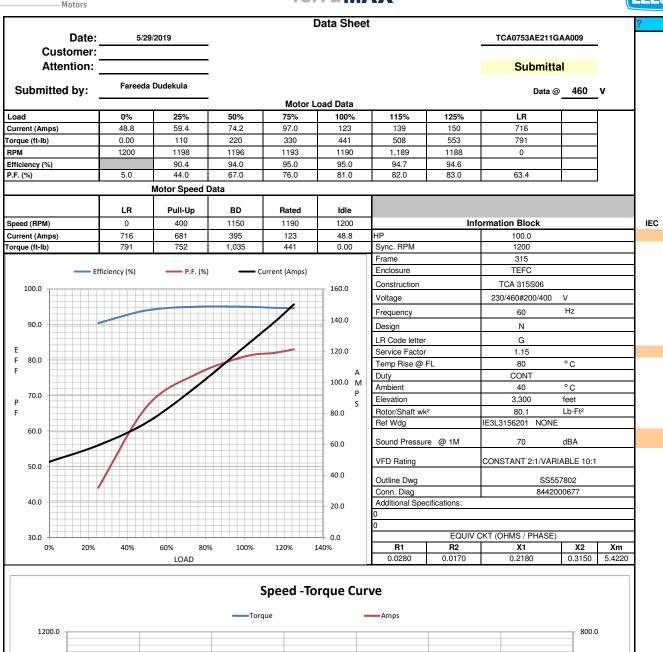
									P.O. BOX 8003				
					WAUSAU, WI 54401-8003								
							PH. 715-675-3311						
									DATA VOLTS:	460			
					CEF	RTIFICATION DATA SI	HEET						
CUSTOME				-				OMER P.O. #:					
ORDER #:							REFERENCE MODEL #: CAT #:						
CONN. DIA		8442000677							R	508A			
OUTLINE:		SS557802					CUSTOMER PART #:						
WINDING:		IE3L3156201	NONE	1				MOUNTING:	F3				
SPEED:				-	VDIOAL	MOTOR REPEORMA	NOE D 4						
				!	YPICAL	MOTOR PERFORMA	NCE DA	IA					
НР	кw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
		21112111111					LINGEGOOKE				RVACOBL		
100	75	1200	1	190		315S	Т	EFC	TCA 315SA06	G		N	
PH	HZ	VOLTS	_	MPS		START TYPE	n	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400		3&220/110	1	INE OR INVERTER		ONT	F	1.15	40	3300	
٣	00/00	200/400#200/400	270/12	JULE 20/110		O.U.IIVEITIEIT		····	'	1.10	70	3300	
	F.L. EFF	95.0	3/4 LD EFF	95.0		1/2 LD EFF	94.0	GTD EFF		ELECT. T	YPE		
	F.L. PF		3/4 LD PF	76.0		1/2 LD PF	67.0	94.3		SQ CAGE INV			
F.L	TORQUE	LR AMPS @	460 V	L.R. TORQUE		B.D. TORG		QUE F.L. RISE		(° C)			
441	LB-FT	716		791 LB-FT 179%		1,035 LB-FT		235% 80					
SOUND F	PRESSURE @ 3												
	FT.	SOUND POWER			MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT	
70	dBA	79 dBA	80.1	LB-FT ²	80.1	LB-FT ²	15	SEC.		2	821	KG.	
					*** CII	PPLEMENTAL INFORMA	TION ***						
			MOUNT		30	FFEEWIENTAL INFORMA		RDOUS	1				
DE BR	ACKET TYPE	ODE BRACKET TYPE	TYPE MOTOR ORIENT		NTATION SEVERE DUTY		LOCATION		DRIP COVER	DRIP COVER SCREENS		PAINT	
ST	ANDARD	STANDARD	B3	HORIZO	HORIZONTAL NO		NONE		NO	NONE BLUE (I		ENAMEL)	
	EARINGS	GREASE	SHAI	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL	
DE	ODE				0.100.101		***************************************				TIVAME MATERIAL		
BALL	BALL	SG S5-V100	STANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6319	6319												
THE	RMOSTATS	PROTECTORS	wn	RTD's		BRG RTD's	THER	MISTORS	COL	NTROL	SPACE	HEATERS	
	NONE	NOT				NONE	NONE		FALSE		NA		
				0.12		HOHE	.,,	0.12		LOL			
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph)	Xm (c	hms/ph)	VIBRAT	ION (in/sec)	FL	OAT	
	0.028	0.017	0	.218		0.315	5	.422	0).150	0	DE	
						•			,		•		
*													
N										CONSTANT 2:1/VAF	RIABLE 10:1		
0						INV. HI	SPEED RANGE:	NONE					
T								HONE					
E								ENCODER:	NONE				
S					NONE								
								NONE	NONE		NONE	PPR	
POEDADED DV					BRAKE:		Non	-					
	PREPARED BY: DATE:	11/16/2020					NONE NONE FT-LB: NA						
	DATE:	11/10/2020						VOLTAGE:		NA IONE		HZ:	
FORM: 35	31 REV 4	2/27/06				}	101 -		CONST UL REC	IONE		HZ:	
i Olvivi. 35	U : I\LV_4	2121100					UL:	LI,IVIL-IINO	SONOT DE INEC				

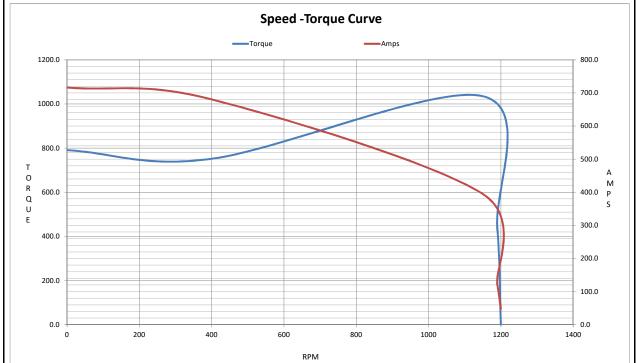
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EC Declaration of Conformity

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: TCA0753AE211GAA009

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

Catalog No: R508A

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

Julian Clark Marketing Engineer

Created on 09/01/2022

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