PRODUCT INFORMATION PACKET



Model No: TCA0752AE211GAA009

Catalog No: R507A

Cast Iron Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 280S Frame,

TEFC





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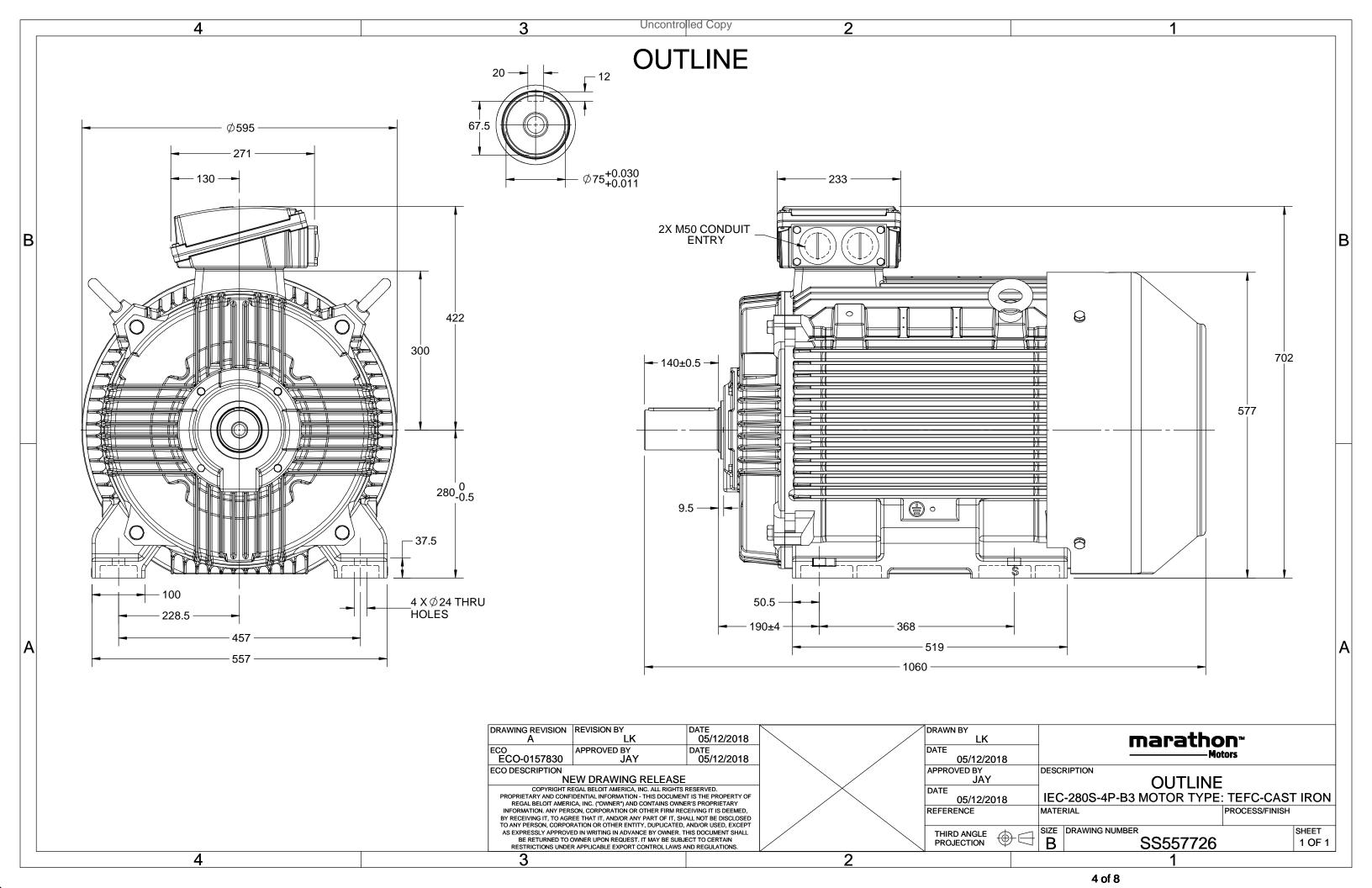
Nameplate Specifications

Phase	3	Output HP	100 & 75 Hp			
Output KW	75.0 & 55.0 kW	Voltage	230/460 & 200/400 V			
Speed	1790 & 1495 rpm	Service Factor	1.15 & 1.15			
Frame	280S	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	95.4 & 94.6 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	230/115 & 200/100 A	Power Factor	86			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	Н			
Drive End Bearing Size	6317	Opp Drive End Bearing Size	6317			
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	.05 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	41.73 in		
Frame Length	21.61 in	Shaft Diameter	2.559 in		
Shaft Extension	5.51 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000715	Outline Drawing	SS557726		

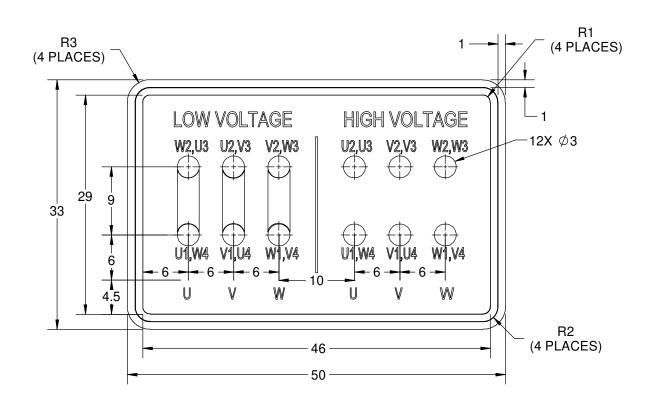
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

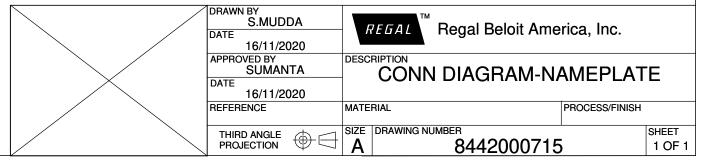
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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[™]



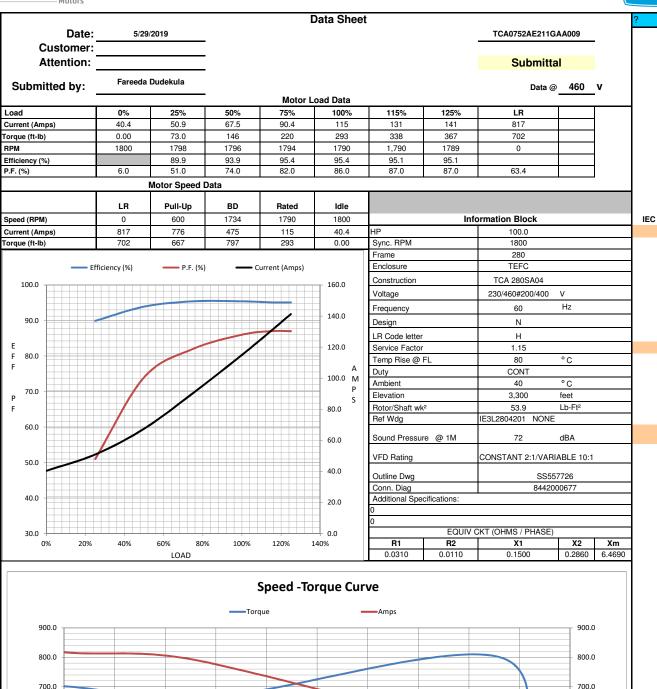
P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311 DATA VOLTS: 460												
	CERTIFICATION DATA SHEET											
CUSTOMER: ORDER #: CONN. DIAGRAM: 8442000677 OUTLINE: \$\$557726 WINDING: IE3L2804201		NONE				CUSTOMER P.O. #: REFERENCE MODEL #: CAT #: CUSTOMER PART #: MOUNTING: F3 TCA0752AE211GAA009 R507B F53						
SPEED:				т	YPICAL	MOTOR PERFORMA	NCE DA	TA				
НР	kw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
100	75	1800		790		280S	Т	EFC	TCA 280SA04			N
PH 3	HZ 60/50	VOLTS 230/460#200/400		MPS 5&200/100	l	START TYPE LINE OR INVERTER		ONT	INSL F	S.F. 1.15	AMB (° C) 40	3300
	F.L. EFF	95.4	3/4 LD EFF	95.4		1/2 LD EFF				ELECT. TYPE		
	F.L. PF		3/4 LD PF		1/2 LD FF 93.9 GTD EFF 1/2 LD PF 74.0 94.7		SQ CAGE INV RATED					
	TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORG	RQUE F.L. RIS		(° C)		
293	LB-FT	817		702 LB-FT 240%		797 LB-FT		272% 80				
SOUND PRESSURE @ 3 FT. SOUND POWER		ROT	ROTOR WK ² MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT		
72	dBA	81 dBA	53.9	LB-FT ²	53.9	LB-FT ²	15 SEC.		2		757	KG.
					*** SU	PPLEMENTAL INFORMA	TION ***					
DE BRACKET TYPE ODE BRACKET TYPE		MOUNT TYPE				RDOUS ATION	DRIP COVER SCREENS		PAINT			
S1	TANDARD	STANDARD	B3	HORIZONTAL NO		N	ONE	NO NONE		BLUE (ENAMEL)		
DE B	EARINGS ODE	GREASE	SHA	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT MATERIAL FR		FRAME N	MATERIAL
BALL 6317	BALL 6317	SG S5-V100	STANI	DARD IEC	NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
THE	RMOSTATS	PROTECTORS		WDG RTD's		BRG RTD's		MISTORS	CONTROL		SPACE	HEATERS
	NONE	NOT	N	NONE NONE		N	ONE	FALSE		P	NA NA	
R1 (ohms/ph) R2 (ohms/ph) 0.031 0.011			(ohms/ph) X2 (ohms/ph) 0.150 0.286			hms/ph) .469	VIBRATION (in/sec) 0.150		FLOAT ODE			
* N O T E									SPEED RANGE:	CONSTANT 2:1/VAR NONE	NABLE 10:1	
s .					NONE NONE PPR				PPR			
PREPARED BY: DATE: 11/16/2020					BRAKE: NONE NONE NONE NONE NONE NONE NONE							
FORM: 3531 REV_4 2/27/06					VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC							

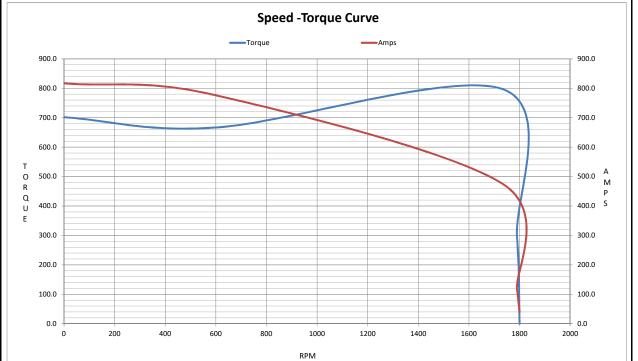
REGAL













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: TCA0752AE211GAA009

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

Catalog No: R507A

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

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