PRODUCT INFORMATION PACKET



Model No: TCA0553AE211GAA009

Catalog No: R505A

Cast Iron Motor, 75 & 60 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 280M Frame,

TEFC





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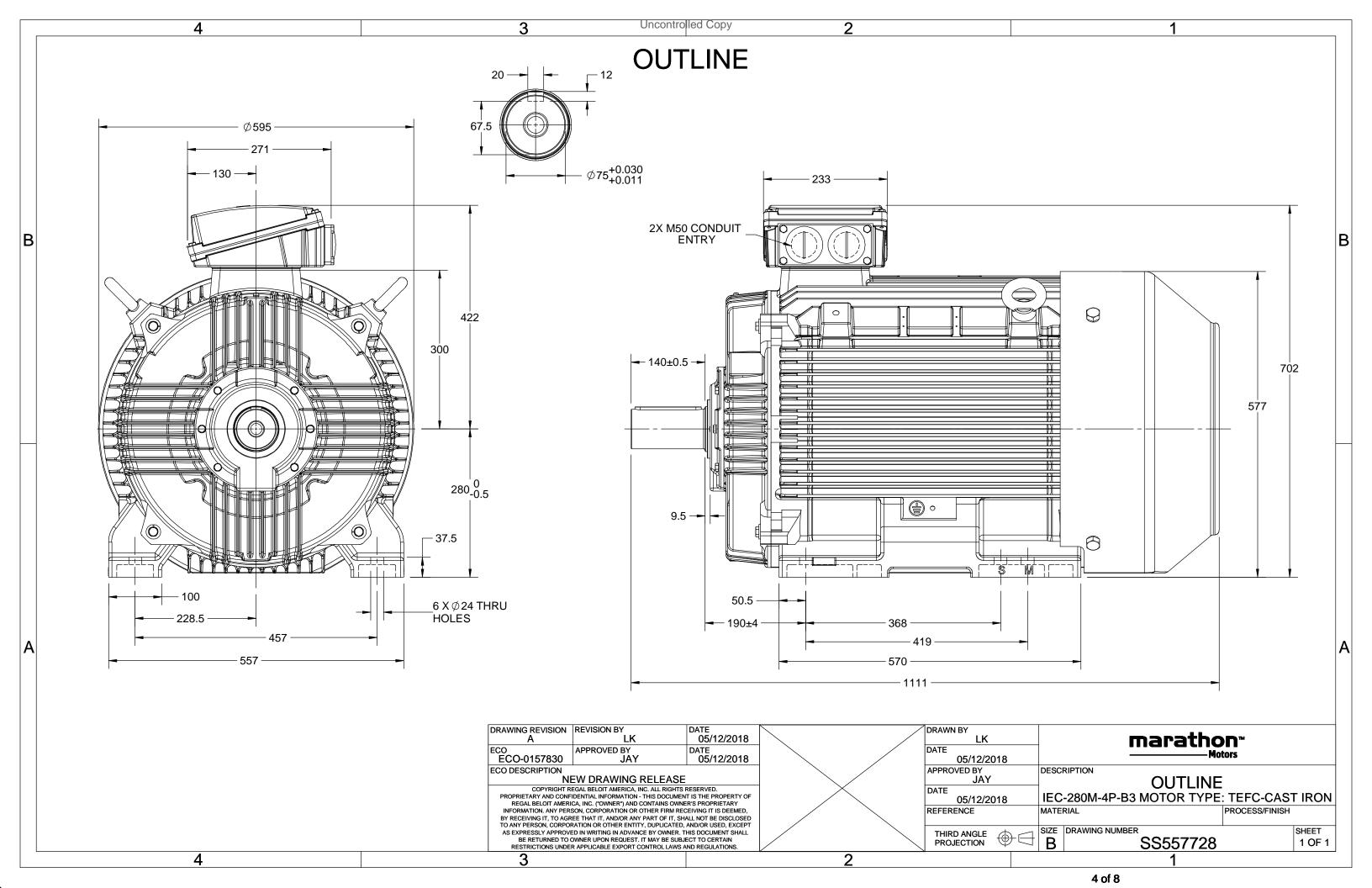
Nameplate Specifications

Phase	3	Output HP	75 & 60 Hp			
Output KW	55.0 & 45.0 kW	Voltage	230/460 & 200/400 V			
Speed	1190 & 990 rpm	Service Factor	1.15 & 1.15			
Frame	280M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	94.5 & 93.7 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	174/87 & 166/83 A	Power Factor	84			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	G			
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	6	Rotation	Reversible		
Resistance Main	.07 Ohms	Mounting	В3		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	43.74 in		
Frame Length	23.62 in	Shaft Diameter	2.953 in		
Shaft Extension	5.51 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000715	Outline Drawing	SS557728		

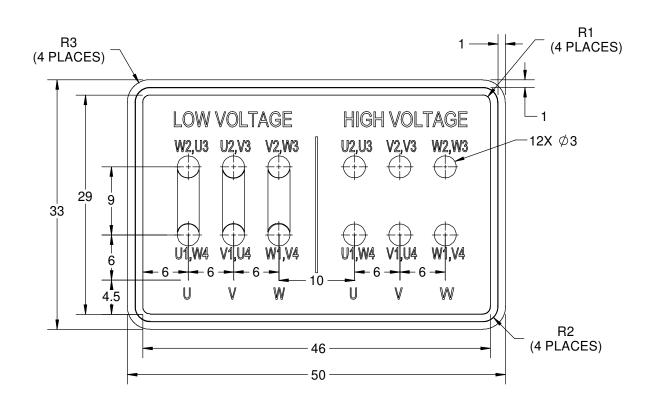
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

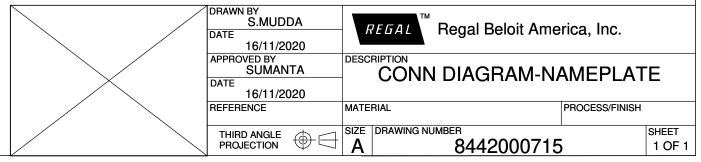
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



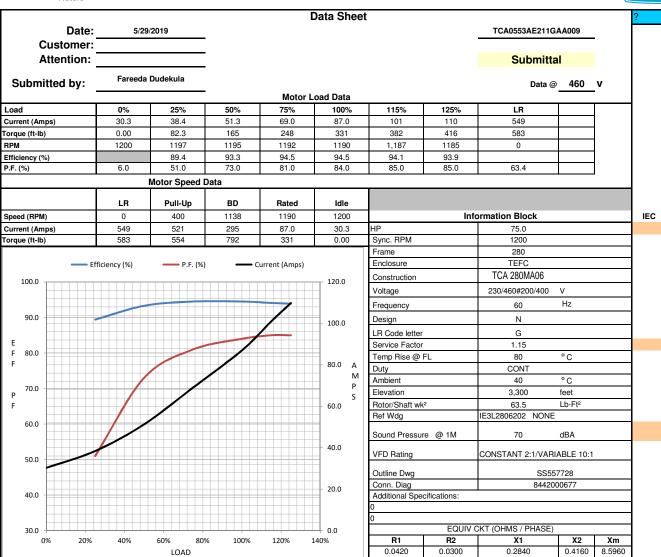
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
							PH. 715-675-3311					
									DATA VOLTS:	460		
					CEE	RTIFICATION DATA S	HEET					
					OL.	CIII IOAIION BAIA O						
CUSTOME	:p.						CUSTO	OMER P.O. #:				
ORDER #:									TCA0553AE211G	ΔΔΩΩΩ		
CONN. DIA		8442000677					IXEI EIXEIX	CAT #:		505B		-
OUTLINE:		SS557728					CUSTO	MER PART #:	11	.000B		
WINDING:		IE3L2806202	NONE	1				MOUNTING:	F3			
SPEED:		ILULZUUUZUZ	NONE					moon need	10			
0. LLD.		-		-	VDICAL	MOTOR PERFORMA	NCE DA	TΛ				
	1	1			IFICAL	WOTOK PERFORMA	NCEDA	IA.	1	1		1
HP	кw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
										- NACOBE		
75	56	1200	1	190		280M	T	EFC	TCA 280MA06	G		N
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	174/8	7&166/83	l	INE OR INVERTER	С	ONT	F	1.15	40	3300
		1 1										
	F.L. EFF		3/4 LD EFF	94.5		1/2 LD EFF	93.3	GTD EFF		ELECT. T		
	F.L. PF	84.0	3/4 LD PF	81.0		1/2 LD PF	73.0	93.7		SQ CAGE IN\	/ RATED	
		1										
	. TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORG				£(° C)	
331	LB-FT	549		583	LB-FT	176%	792	LB-FT	239%	80		
0011110	DESCUES O A	I							1		1	
SOUND	PRESSURE @ 3 FT.	SOUND POWER		OR WK²		MAX. LOAD WK ²	CAFEC	TALL TIME	CTAD:	TS/HOUR	APROX.	MOTOR WGT
68	dBA	77 dBA	63.5	LB-FT ²			SAFE STALL TIME 15 SEC.		2		679 KG.	
00	UDA	// UDA	, 03.3	LD-I I	03.3	EB-I I	10	SEC.			0/9	NG.
					*** 011	PPLEMENTAL INFORMA	TION ***					
		I	MOUNT	I	30	PPLEIMENTAL INFORMA		RDOUS	1	I	1	
DE BRACKET TYPE ODE BRACKET TYPE		TYPE			LOCATION		DRIP COVER	SCREENS P.		INT		
	ANDARD	STANDARD	B3	HORIZONTAL NO		NONE		NO	NONE	BLUE (ENAMEL)		
				ļ.					!		,	,
В	EARINGS	005405		T T/DE		0050111 05	0050					
DE	ODE	GREASE	SHA	T TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL	00.05.1400	OTANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)			
6314	6314	SG S5-V100	STANI	DARD IEC		NONE	N	ONE	1045 HOT R	(OLLED (C-204)	CAST IRON	
	·	•							•		•	
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WDG	RTD's		BRG RTD's	THER	MISTORS	COI	NTROL	SPACE	HEATERS
	NONE	NOT	N	ONE		NONE	N	ONE	F.	ALSE	1	۱A
		•				•			•		•	
R1 (ohms/ph) R2 (ohms/ph)		X1 (o	(ohms/ph) X2 (ohms/ph)		Xm (c	n (ohms/ph) VIBRATIO		ION (in/sec)	FLOAT			
	0.042	0.030	0	.284		0.416	8	.596	0).150	0	DE
*												
N								INV	ERTER TORQUE:	CONSTANT 2:1/VAF	RIABLE 10:1	
0					INV. HI	SPEED RANGE:	NONE					
T												
E								ENCODER:	NONE			
s					NONE							
*								NONE			NONE	PPR
					BRAKE: NONE							
1	PREPARED BY:							1	NONE	NON	E	
	DATE:	11/16/2020						FT-LB:		NA		
								VOLTAGE:		IONE		HZ:
FORM: 35	31 REV_4	2/27/06					UL:	V - LI,ME-INS	CONST UL REC			
					_		_					

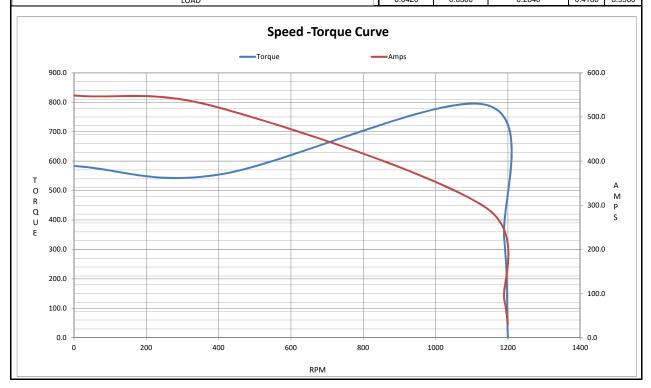














EC Declaration of Conformity

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: TCA0553AE211GAA009

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

Catalog No: R505A

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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