PRODUCT INFORMATION PACKET



Model No: TCA5P53AE271GAA009

Catalog No: R629

Cast Iron Motor, 7.50 & 5.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM,

132M Frame, TEFC





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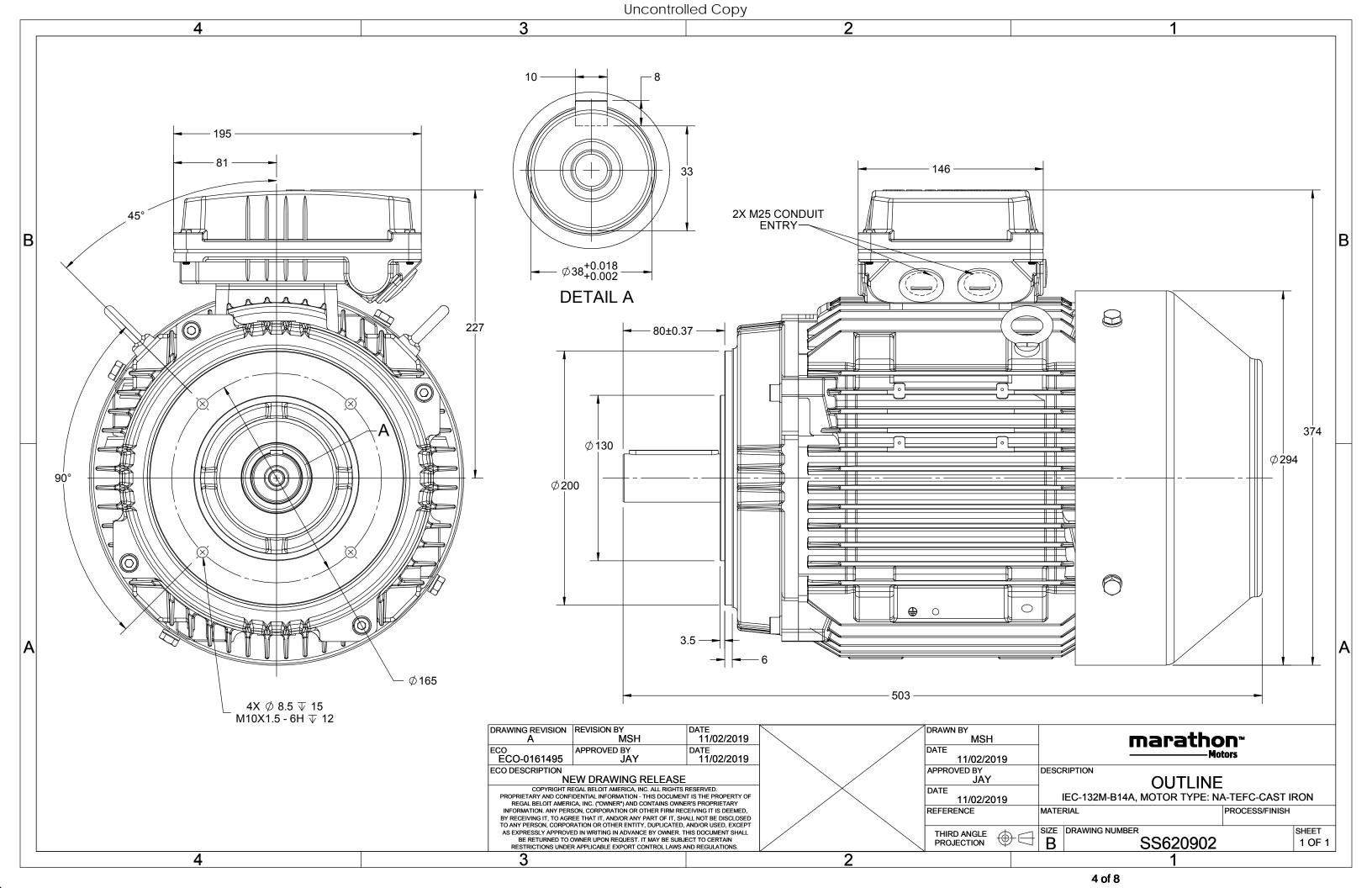
Nameplate Specifications

Phase	3	Output HP	7.50 & 5.50 Hp			
Output KW	5.5 & 4.0 kW	Voltage	230/460 & 200/400 V			
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15			
Frame	132M	Enclosure Totally Enclosed Fan				
Thermal Protection	No Protection	Efficiency	91 & 86.8 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	20.8/10.4 & 19/9.5 A	Power Factor	73			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	К			
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208			
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	1.19 Ohms	Mounting	Round	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	IEC	Overall Length	19.80 in	
Frame Length	9.45 in	Shaft Diameter	1.496 in	
Shaft Extension	3.15 in	Assembly/Box Mounting	F3	
Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Outline Drawing	SS620902	Connection Drawing	8442000715	

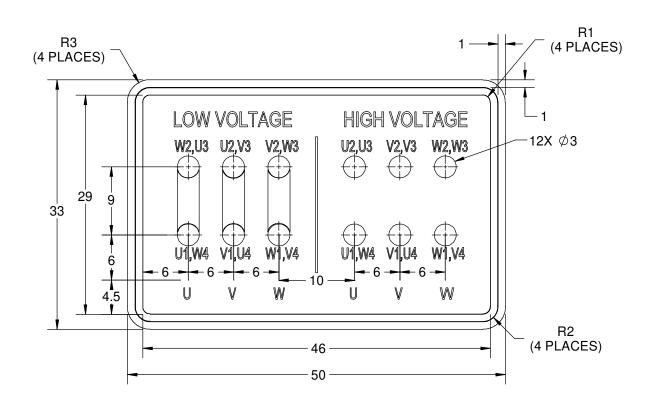
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

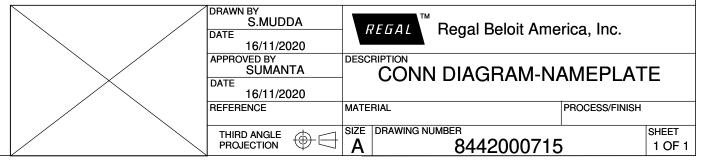
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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[™]



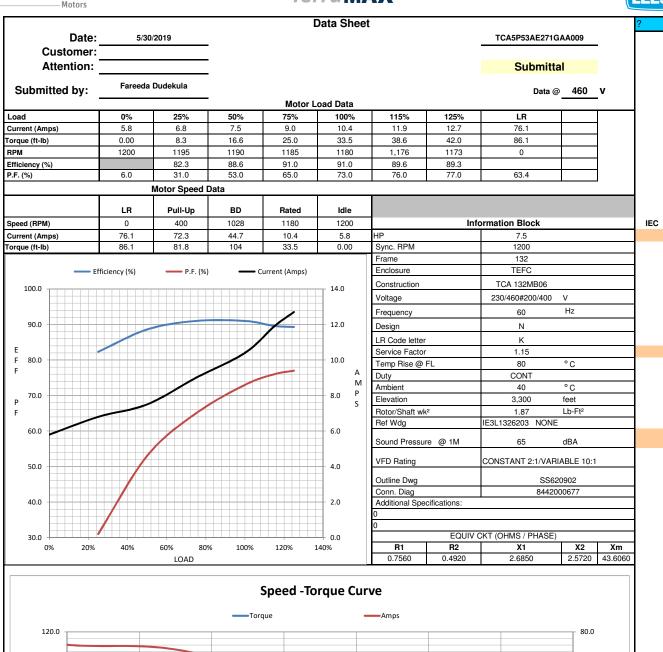
P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311 DATA VOLTS: 460												
	CERTIFICATION DATA SHEET											
CUSTOMER: ORDER #: CONN. DIAGRAM: 8442000677		8442000677				CUSTOMER P.O. #: REFERENCE MODEL #: CAT #:		TCA5P53AE271GAA009				
OUTLINE: WINDING:		SS620902 IE3L1326203	NONE	ONE 1			CUSTOMER PART #: MOUNTING: F3					
SPEED:				т	VDIC AI	MOTOR PERFORMA	NCE DA	тл				
НР	kw	SYNC RPM	FI	. RPM	ITIOAL	FRAME		LOSURE	TYPE	KVA CO)DE	DESIGN
7.5	5.6	1200		1180		132M		EFC	TCA 132MB06	К		N
7.5	0.0	1200		1100		102W	I IEFC		TOA TOZINDOO	1 "		
PH	HZ	VOLTS		MPS		START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	20.8/1	0.4&19/9.5	l l	LINE OR INVERTER	С	ONT	F	1.15	40	3300
	F.L. EFF		3/4 LD EFF	91.0		1/2 LD EFF	F 88.6 GTD EFF			ELECT. TYPE		
	F.L. PF	73.0	3/4 LD PF	65.0		1/2 LD PF	53.0	89.7	SQ CAGE INV RATED			
	TORQUE	LR AMPS @	460 V		L.R. TORQUE		B.D. TORG		QUE F.L. RISE		(° C)	
33.5	LB-FT	76.1		86.1 LB-FT 257%		104 LB-FT		310% 80				
SOUND PRESSURE @ 3 FT. SOUND POWER			DTOR WK ² MAX. LOAD WK ²		SAFE STALL TIME S		STAR	rs/Hour	APROX.	MOTOR WGT		
55	dBA	64 dBA	1.87	LB-FT ²	1.1	LB-FT ²	15	15 SEC .		2	101 KG .	
					*** SU	PPLEMENTAL INFORMA	TION ***					
DE BR	ACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE				RDOUS ATION	DRIP COVER SCREENS		PAINT		
FT-FLANGE-165 STANDARD		STANDARD	ROUND	HORIZONTAL NO		N	ONE	NO NONE		BLUE (ENAMEL)		
	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE BALL	ODE BALL	DOLVDEYEN	OTAN	24DD 150				ONE				
6308	6208	POLYREX EM	SIAN	NDARD IEC NONI		NONE	N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
											SPACE	HEATERS
THERMOSTATS PROTECTORS				WDG RTD's BRG RTD's				MISTORS	CONTROL FALSE			
	NONE	NOT	l N	NONE NONE		N	ONE	FALSE		r	NA	
		R2 (ohms/ph)		(ohms/ph) X2 (ohms/ph)			hms/ph)	VIBRATION (in/sec)		FLOAT ODE		
	0.756	0.492	2	.685		2.572	43	3.606	0	.150	0	DE
* N O T									ERTER TORQUE: P SPEED RANGE:	CONSTANT 2:1/VAR NONE	NABLE 10:1	
E S .						ENCODER: NONE NONE NONE NONE NONE PPR				PPR		
	1							BRAKE:				
PREPARED BY:				NONE NONE FT-LB: NA								
					VOLTAGE: NONE HZ:							
FORM: 3531 REV_4 2/27/06						UL: V - LI,ME-INS,CONST UL REC						

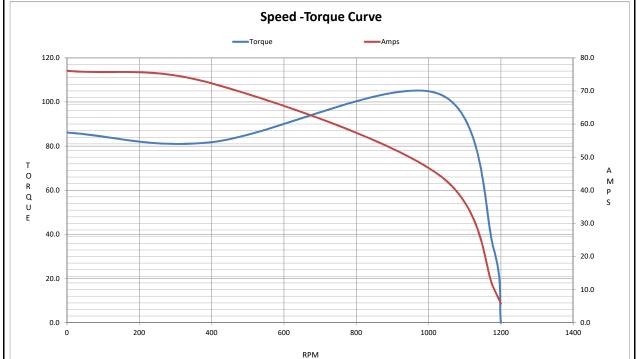














EC Declaration of Conformity

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: TCA5P53AE271GAA009

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

Catalog No : R629

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. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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