PRODUCT INFORMATION PACKET



Model No: TCA7P52AE271GAA009

Catalog No: R631

Cast Iron Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 132M Frame,

TEFC





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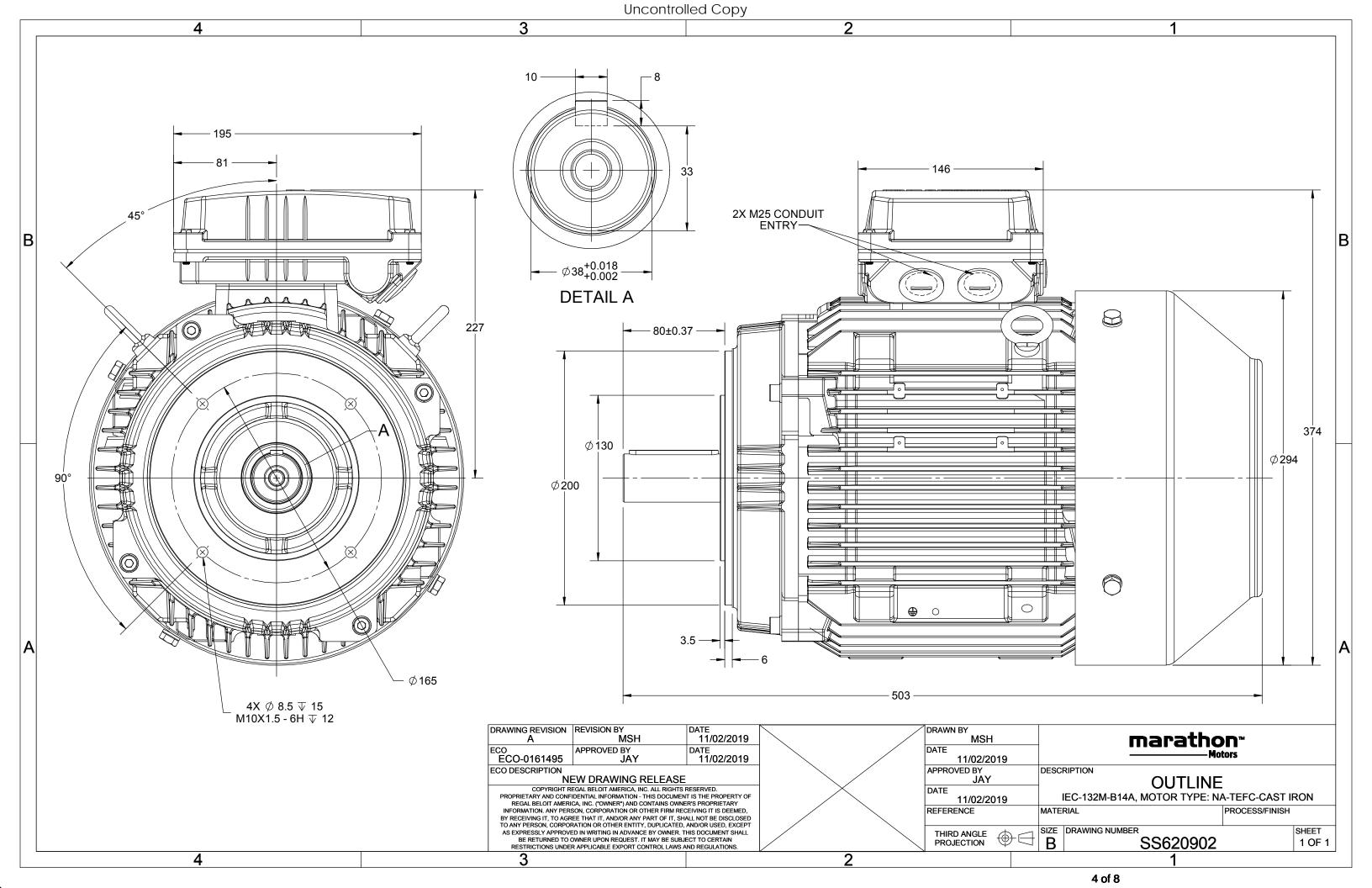
Nameplate Specifications

Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.5 kW	Voltage	230/460 & 200/400 V
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	132M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 89.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	25.4/12.7 & 22.6/11.3 A	Power Factor	81
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 Reversible		
Poles	4	Rotation			
Resistance Main	1.05 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		

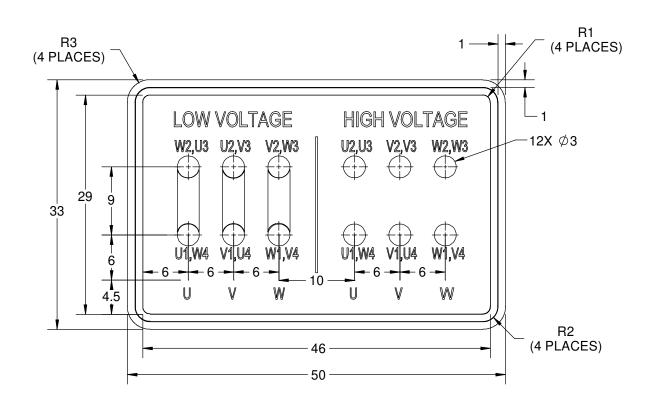
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

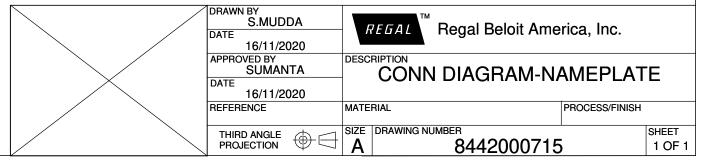
GEOMENTRIC TOLERANCE						
	>0~6	±0.1				
LINEAR DIM	>6~30	±0.2				
	>30~120	±0.3				



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[™]



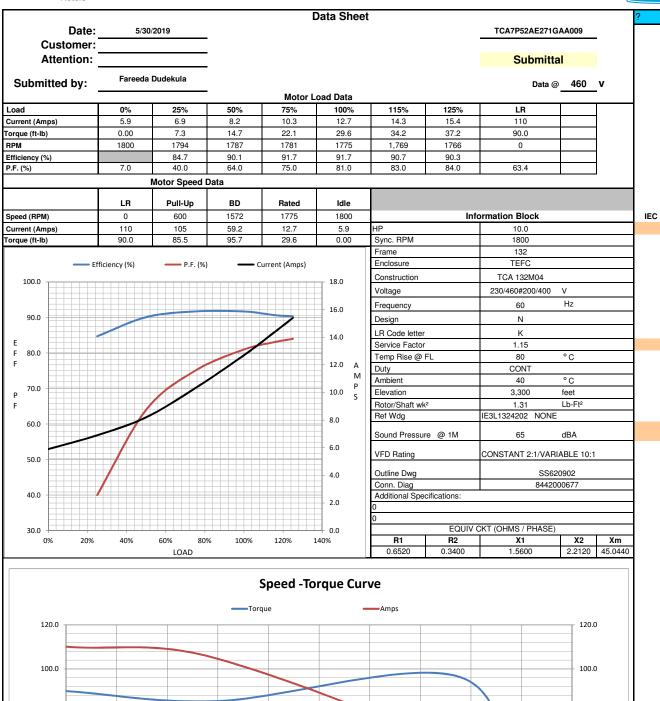
									P.O. BOX 8003			
					WAUSAU, WI 54401-8003							
								PH. 715-675-331				
									FII. 713-073-331	'		
									DATA VOLTS:	460		
					CEI	RTIFICATION DATA SI	HEET					
					CLI	THE ICATION DATA SI						
CUSTOME				_				OMER P.O. #:				
ORDER #:							REFERENCE MODEL #: CAT #:		TCA7P52AE271G	AA009		
CONN. DIA	AGRAM:	8442000677							F	R361		
OUTLINE:		SS620902					CUSTO	MER PART #:				
WINDING:		IE3L1324202	NONE	1				MOUNTING:				-
		ILJL 1324202	NONL	'				MODIVING.	13			
SPEED:		_		_								
				T	YPICAL	. MOTOR PERFORMA	NCE DA	ΛTA				
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENC	LOSURE	TYPE K\		DDE	DESIGN
10	7.5	1800	1	1775		132M	T	EFC	TCA 132MA04	K		N
PH	HZ	VOLTS	Α	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	25 4/12	7&22.6/11.3		LINE OR INVERTER		ONT	F	1.15	40	3300
_ <u> </u>	00/00	200/100//200/100	20.1712.	7 0.2.2.07 1 1.0		ENTE ON NAVENTEN				1.10		0000
		la. = I							1			
	F.L. EFF		3/4 LD EFF			1/2 LD EFF	90.1	GTD EFF		ELECT. T		
	F.L. PF	81.0	3/4 LD PF	75.0		1/2 LD PF	64.0	90.5		SQ CAGE INV	RATED	
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TOR	QUE	F.L. RISE	(° C)	
	LB-FT	110		90.0	LB-FT	304%	95.7	LB-FT	323%	80	1	
29.0	LD-1 1	110		30.0	LD-I I	304 //	33.1	LD-1 1	32370			
COLIND I	PRESSURE @ 3			1					1			
SOUND	FT.	SOUND POWER	BOT.	OR WK²		MAX. LOAD WK ²	CAEE	TALL TIME	OT AD	TS/HOUR	APROX.	MOTOR WGT
				LB-FT ²		LB-FT ²			STAR			
65	dBA	74 dBA	1.31	LB-F1-	1.31	LB-F1	10	SEC.		2	99	KG.
			•									
					*** SU	PPLEMENTAL INFORMA						
			MOUNT					ARDOUS				
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIE		SEVERE DUTY		CATION	DRIP COVER	SCREENS		MNT
FT-F	LANGE-130	STANDARD	ROUND	HORIZON	NTAL	NO	N	IONE	NO	NONE BLUE (ENAME		ENAMEL)
		•		•					•		•	·
BI	EARINGS											
DE .	ODE	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
BALL	BALL											
		POLYREX EM	STAN	DARD IEC		NONE	N	IONE	1045 HOT F	OLLED (C-204)	CAST	Γ IRON
6308	6208									. , ,		
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WDG	G RTD's		BRG RTD's	THER	MISTORS	co	NTROL	SPACE	HEATERS
	NONE	NOT		IONE		NONE		IONE		ALSE		NA
			<u> </u>			110112				LOL	· ·	
B4	(ohms/ph)	R2 (ohms/ph)	V4 (e	hms/ph)		X2 (ohms/ph)	Vm /	ohms/ph)	VIDDAT	ION (in/sec)		OAT
KI												
	0.652	0.340	1	.560		2.212	4:	5.044).150	0	DE
*												
N					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
0												
T							INV. HP SPEED RANGE: NONE					
									NONE			
E								ENCODER:	NONE			
s								NONE				
*								NONE			NONE	PPR
								BRAKE:	NONE			
l	PREPARED BY:								NONE	NON	_	
1											-	
1	DATE:	11/10/2020						FT-LB:		NA		
1						<u> </u>		VOLTAGE:		IONE		HZ:
FORM: 35	ORM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC						

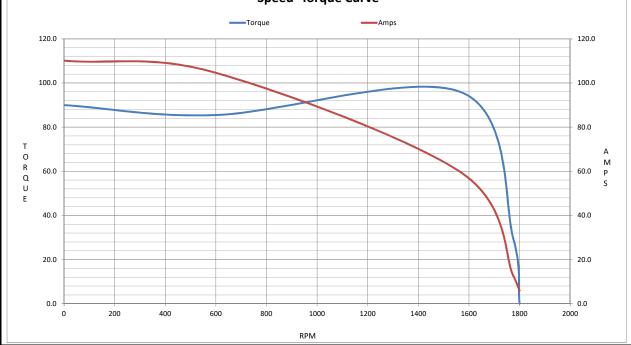














EC Declaration of Conformity

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: TCA7P52AE271GAA009

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

Catalog No : R631

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

(€ 22