PRODUCT INFORMATION PACKET



Model No: TCA5P52AE231GAA009

Catalog No: R828

TerraMAX® Cast Iron Motor, 7.50 & 5.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,

132S Frame, TEFC





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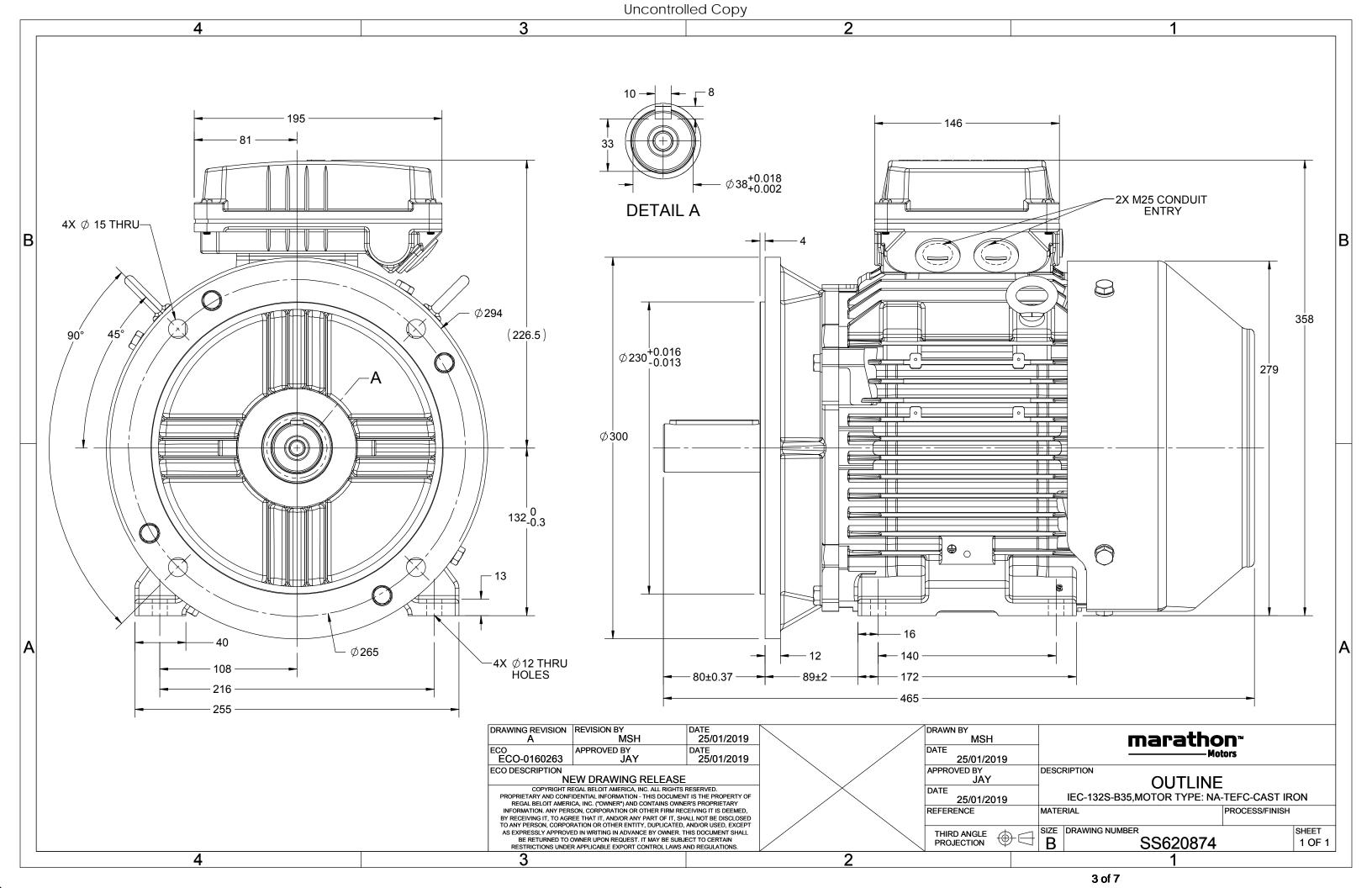
Nameplate Specifications

Phase	3	Output HP	7.50 & 5.50 Hp				
Output KW	5.5 & 4.0 kW	Voltage	230/460 & 200/400 V				
Speed	1775 & 1480 rpm	Service Factor	1.15 & 1.15				
Frame	132S	2S Enclosure Totally Enclosed Fan					
Thermal Protection	No Protection	Efficiency	91.7 & 88.6 %				
Ambient Temperature	40 °C	Frequency	60 & 50 Hz				
Current	19.6/9.8 & 17.6/8.8 A	Power Factor	77				
Duty	Continuous	Insulation Class	F				
Design Code	N (IEC)	KVA Code	J				
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	4	Rotation	Reversible			
Resistance Main	1.56 Ohms	Mounting	В3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Shaft Diameter	38.000 in			
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Outline Drawing	SS620874	Connection Drawing	8442000715			

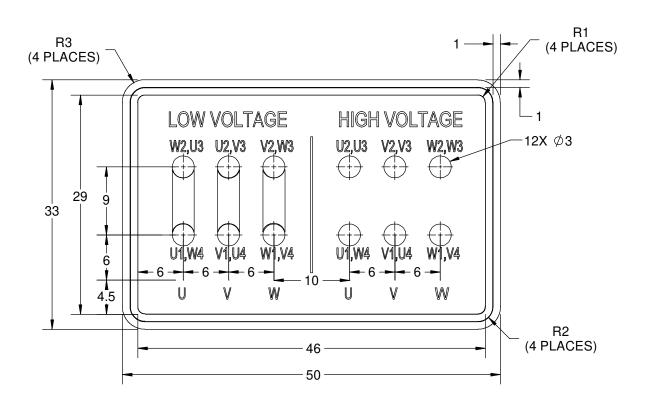
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

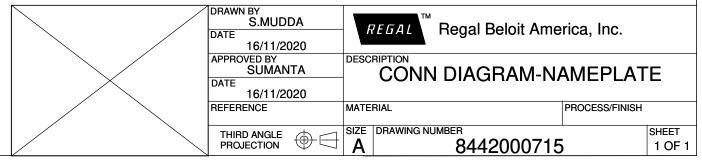
GEOMENTRIC TOLERANCE						
LINEAR DIM	>0~6	±0.1				
	>6~30	±0.2				
	>30~120	±0.3				



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[™]



					CEF	RTIFICATION DATA S	HEET		P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:				
CUSTOMER: ORDER #: CONN. DIAGRAM:		8442000677				CUSTOMER P.O. #: REFERENCE MODEL #: CAT #:							
OUTLINE: WINDING: SPEED:		SS620874 IE3L1324201	NONE					MER PART #: MOUNTING:	F3				
		l			YPICAL	MOTOR PERFORMA			T				
HP	KW	SYNC RPM		. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
7.5	5.50	1800	1	775		132S	TEFC		TCA 132SA04	J		N	
PH	HZ	VOLTS	A	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)	
3	60/50	230/460#200/400		8&17.6/8.8	ı	INE OR INVERTER		ONT	F	1.15	40	3300	
	F.L. EFF	04.7	3/4 LD EFF	91.7		1/2 LD EFF	00.0	OTD FFF	1	FI FOT T	VDE		
	F.L. EFF		3/4 LD PF	69.0		1/2 LD EFF			ELECT. TYPE SQ CAGE INV RATED				
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TOR	RQUE F.L. RISE		(° C)		
22.2	LB-FT	73.4		54.2	LB-FT 244% 71.3 LB-FT		321% 75						
SOUND PRESSURE @ 3 FT. SOUND POWER				TOR WK ² MAX. LOAD WK ²			TALL TIME	STAR	rs/Hour	APROX.	MOTOR WGT		
65	dBA	74 dBA	1.10	LB-FT ²	1.1	LB-FT ²	10	SEC.	2		95	KG.	
					*** SU	PPLEMENTAL INFORMA	TION ***						
		ODE BRACKET TYPE	MOUNT TYPE		DRIENTATION SEVERE DUTY		HAZA LOC	RDOUS ATION	DRIP COVER	SCREENS	PAINT BLUE (ENAMEL)		
FF-F	LANGE-265	STANDARD	B3	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (E	ENAMEL)	
DE BI	EARINGS ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	T MATERIAL FRA		MATERIAL	
BALL 6308	BALL 6208	POLYREX EM	STANI	DARD IEC	NONE		NONE 104		1045 HOT R	1045 HOT ROLLED (C-204)		CAST IRON	
		I				1			1		I		
THERMOSTATS PROTECTORS NONE NOT			OG RTD'S BRG RTD'S NONE NONE		THERMISTORS NONE		CONTROL FALSE		SPACE HEATERS NA				
	NONE			0.112		HONE	.,	0.112	•				
R1 (ohms/ph)		R2 (ohms/ph)		hms/ph)			Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT ODE		
	0.908	0.454	2	.004		2.572	49	9.242	0	.150	0	DE	
* N O T								INV. HI	SPEED RANGE:	CONSTANT 2:1/VAF NONE	RIABLE 10:1		
E S *								ENCODER: NONE NONE	NONE		NONE	PPR	
	PREPARED BY: DATE:	11/27/2020					BRAKE: NONE NONE NONE FT-LB: NA						
							VOLTAGE: NONE HZ:						
FORM: 3531 REV_4 2/27/06					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: TCA5P52AE231GAA009

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

Catalog No : R828

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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