PRODUCT INFORMATION PACKET



Model No: TCA0043AE221GAA009

Catalog No: R226

Cast Iron Motor, 5.50 & 4 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 132M Frame,

TEFC





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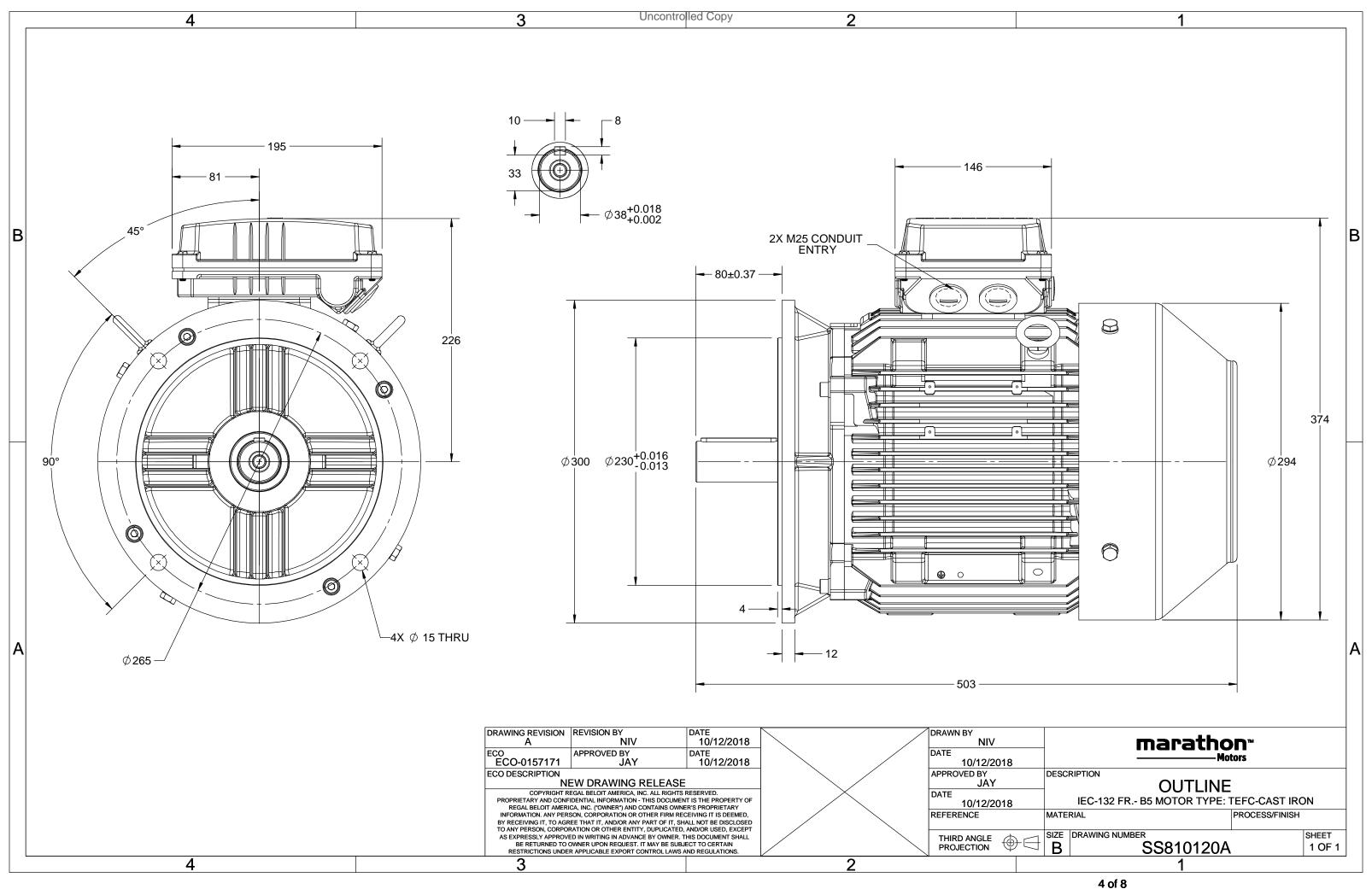
Nameplate Specifications

Phase	3	Output HP	5.50 & 4 Hp		
Output KW	4.0 & 3.0 kW	Voltage	230/460 & 200/400 V		
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15		
Frame	132M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Efficiency	91 & 85.6 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	16.2/8.1 & 16.2/8.1 A	Power Factor	68		
Duty	Continuous	Insulation Class	F		
Design Code	N (IEC)	KVA Code	L		
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	1.61 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	2.36 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Outline Drawing	SS810120A	Connection Drawing	8442000730		

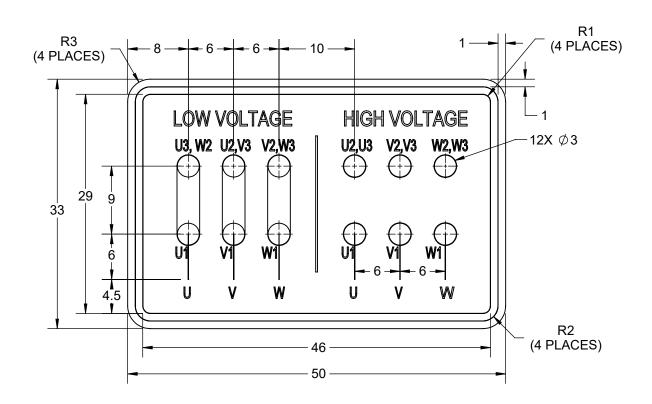
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DRAWING REVISION	REVISION BY	REV DATE/© DATE					
A	LK LK	14/7/2021					
ECO	APPROVED BY	DATE					
CR-0003544	JAY	14/7/2021					
ECO DESCRIPTION							
NEW DRAWING							

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



NOTES:

- 1.
- 2.
- PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE. AT THE END OF YELLOW, WORDS, SYMBOLS, LETTERS ARE BLACK, BORDER IS BLACK. THE TOLERANCE OF THE LINEAR SIZE OF THE TOLERANCE WITHOUT THE TOLERANCE BY 3. THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: U1-U3, V1-V3 AND W1-W3 OF ARIAL WITH 3mm SIZE 4.
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

PRIMARY DIMENSIONS ARE mm INCH DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY LK DATE 14/7/2021	REGAL® Regal Beloit America, Inc.				
	APPROVED BY JAY DATE 14/7/2021	CONN DIAGRAM-NAMEPLATE 9LEADS - DELTA CONNECTION				
	REFERENCE	MATERIAL REFER NOTES PROCESS/FINISH				
	THIRD ANGLE PROJECTION	A B442000730	SHEET 1 OF 1			



TerraMAX[™]



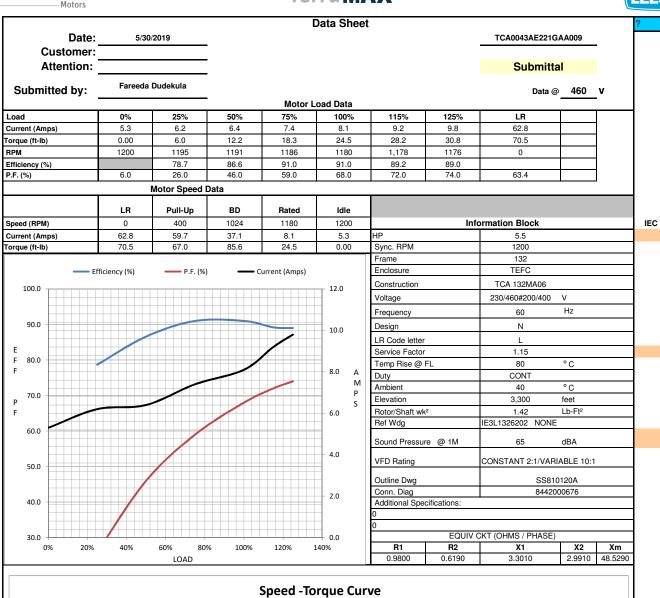
					CEF	RTIFICATION DATA S	HEET		P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331			
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING: SPEED:	AGRAM:	8442000676 SS810120A IE3L1326202	NONE				CUSTO	CAT #: MER PART #: MOUNTING:	TCA0043AE221G	AA009 R226		
					YPICAL	MOTOR PERFORMA						
HP	KW	SYNC RPM		. RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
5.5	4.1	1200	1	180		132M	Т	EFC	TCA 132MA06	L		N
							_					
PH 3	HZ 60/50	VOLTS 230/460#200/400		MPS 1&16.2/8.1	—	START TYPE LINE OR INVERTER		ONT	INSL F	S.F. 1.15	AMB (° C) 40	3300
3	00/30	230/400#200/400	10.2/0.	10.2/0.1		LINE OR INVERTER		ONI	Г	1.15	40	3300
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	86.6	GTD EFF		ELECT. T	YPE	
	F.L. PF	68.0	3/4 LD PF	59.0		1/2 LD PF				SQ CAGE INV RATED		
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TORG		RQUE F.L. RISE		(° C)	
24.5	LB-FT	62.8		70.5	LB-FT	288%	85.6	LB-FT	349% 80			
	PRESSURE @ 3 FT.	SOUND POWER	R ROTOR WK ²		MAX. LOAD WK ²					rs/Hour	APROX.	MOTOR WGT
65	dBA	74 dBA	1.42	LB-FT ²	1.42	LB-FT ²	15	SEC.		2	89	KG.
			•		*** SU	PPLEMENTAL INFORMA						
		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE			HAZARDOUS LOCATION NONE		DRIP COVER	SCREENS	PAINT	
FF-F	LANGE-265	STANDARD	ROUND	HORIZO	NTAL	NO	N	ONE	NO	NONE	BLUE (ENAMEL)	
DE BI	EARINGS ODE	GREASE	SHAI	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL											
6308	6208	POLYREX EM	STANI	DARD IEC	RD IEC NONE			ONE	1045 HOT R	OLLED (C-204)	LLED (C-204) CAST IRON	
	RMOSTATS	PROTECTORS		G RTD's				MISTORS	CONTROL		SPACE HEATERS	
NONE NOT		L N	NONE NONE		NONE		FALSE		NA			
R1 (ohms/ph) R2		R2 (ohms/ph)	X1 (o	hms/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
	0.980	0.619	3	.301	2.991		48	0.150		ODE		
N 0 T							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE					
E S *							ENCODER: NONE NONE			NONE	PPR	
PREPARED BY:							BRAKE: NONE NONE FT-LB: NA					
EODM: 25	FORM: 3531 REV_4 2/27/06						VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC					
FURIVI: 35	JIKEV_4	2/27/06					UL:	v - LI,IVIE-INS	CONST UL REC			

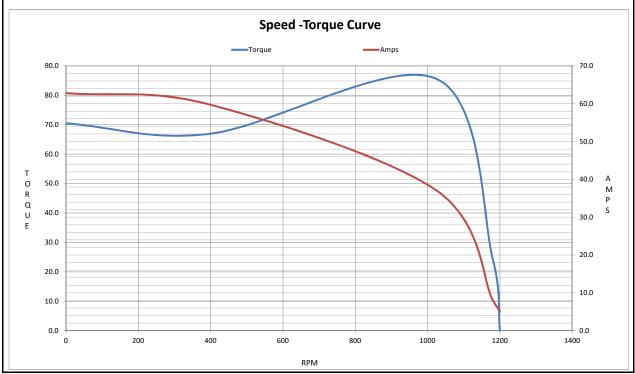














EC Declaration of Conformity

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: TCA0043AE221GAA009

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

Catalog No : R226
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:

J. Cluse

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology Julian Clark Marketing Engineer

Created on 09/01/2022

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