PRODUCT INFORMATION PACKET



Model No: TCA0113AE271GAA009

Catalog No: R635

Cast Iron Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 160L Frame,

TEFC





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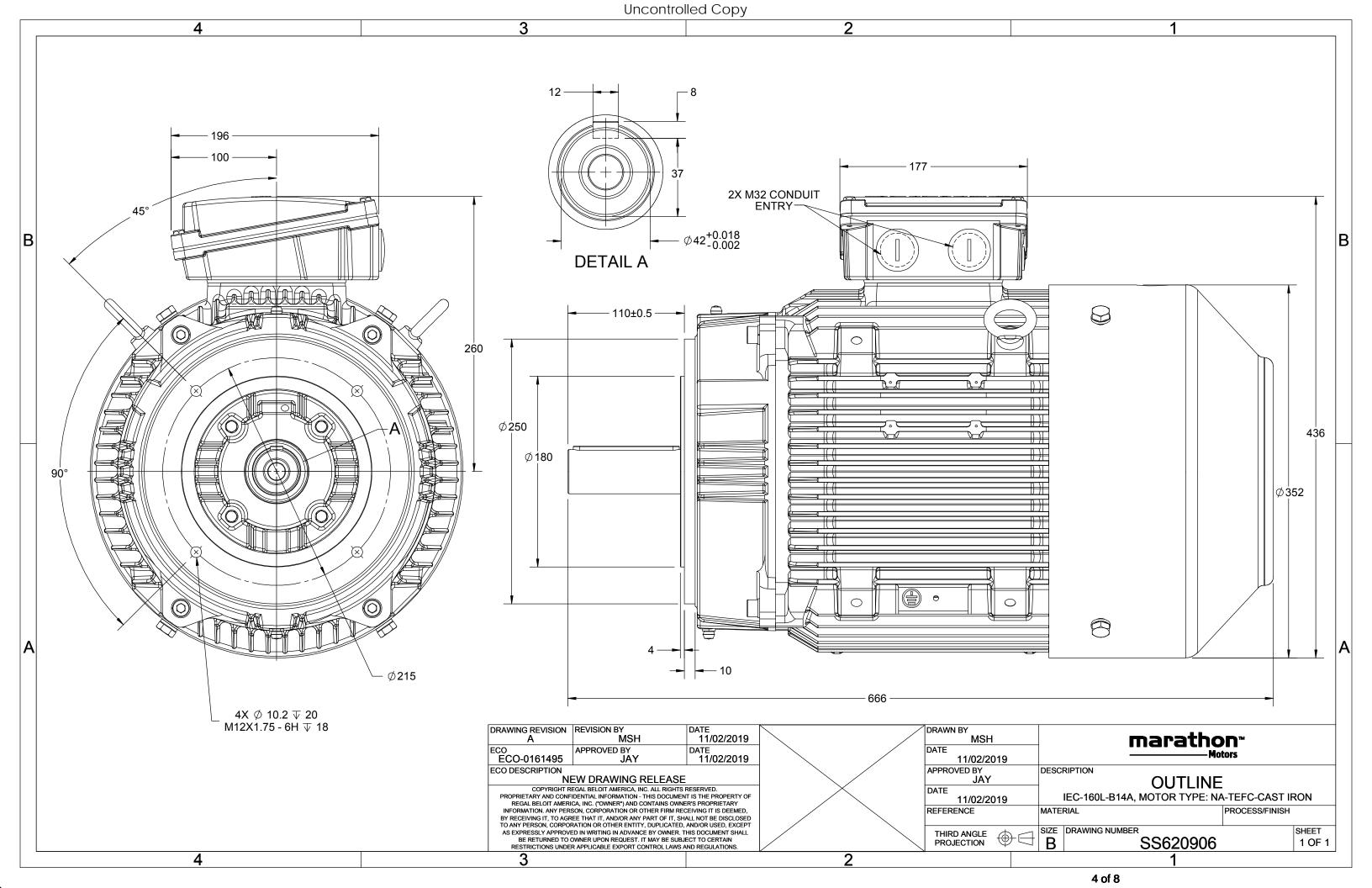
Nameplate Specifications

Phase	3	Output HP	15 & 10 Hp			
Output KW	11.0 & 7.5 kW	Voltage	230/460 & 200/400 V			
Speed	1180 & 985 rpm	Service Factor	1.15 & 1.15			
Frame	160L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91.7 & 89.1 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	38/19.1 & 33.5/16.8 A	Power Factor	79			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	н			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209			
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	.59 Ohms	Mounting	Round		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	26.22 in		
Frame Length	11.73 in	Shaft Diameter	1.654 in		
Shaft Extension	4.33 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Outline Drawing	SS620906	Connection Drawing	8442000715		

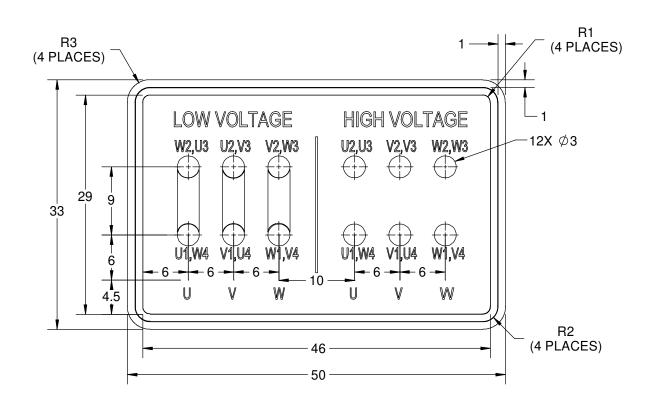
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DRAWING REVISION	REVISION BY	DATE				
Α	S.MUDDA	16/11/2020				
ECO	APPROVED BY	DATE				
ECO-0194685	SUMANTA	16/11/2020				
ECO DESCRIPTION						
NEW DRAWING						

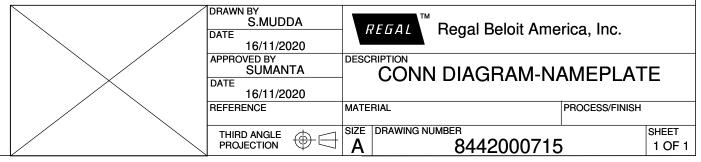
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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							
									PH. /10-0/0-331	1		
									DATA VOLTS:	460		
					CEI	RTIFICATION DATA SI	UEET					
					CEI	CHEICATION DATA 3	HEE					
CUSTOME				_				OMER P.O. #:				
ORDER #:							REFEREN	CE MODEL #:	TCA0113AE271G	AA009		
CONN. DIA	AGRAM:	8442000677		•				CAT #:	F	R635		
OUTLINE:		SS620906					CUSTO	MER PART #:				
WINDING:		IE3L1606202	NONE	1			000.0	MOUNTING:	E2			
		IE3L 1000202	NONE	'				WOUNTING.	гэ			
SPEED:												
				T'	YPICAL	MOTOR PERFORMA	NCE DA	ATA .				
HP	KW	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE KVA CO		DE DESIGN	
15	11.2	1200	1	1180		160L	T	EFC	TCA 160LB06	Н		N
PH	HZ	VOLTS	Α	MPS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	38/19 1	&33.5/16.8		INE OR INVERTER		ONT	F	1.15	40	3300
_ <u> </u>	00/00	200/100//200/100	00/10.1	400.0710.0		THE OIL HAVE THE CO				1.10		0000
		I a s = I		1					1			
	F.L. EFF		3/4 LD EFF	91.7		1/2 LD EFF	89.6	GTD EFF		ELECT. T		
	F.L. PF	79.0	3/4 LD PF	72.0		1/2 LD PF	62.0	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	121		141	LB-FT	211%	182	LB-FT	272%	80	1 -/	
00.0	LD-I I	121		141	LD-I I	21170	102	LD-1 1	21270	00		
COLIND I	PRESSURE @ 3			1					1			
SOUND	FT.	SOUND POWER	BOT.	OR WK ²		MAX. LOAD WK ²	CAEE	TALL TIME	OT AD	rs/Hour	APROX.	MOTOR WGT
				LB-FT ²	4.3	LB-FT ²			STAR			
68	dBA	77 dBA	4.3	LB-F1-	4.3	LB-F1	15	SEC.		2	174	KG.
			`									
					*** SU	PPLEMENTAL INFORMA						
			MOUNT					ARDOUS				
	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN		SEVERE DUTY		CATION	DRIP COVER	SCREENS		INT
FT-F	LANGE-215	STANDARD	ROUND	HORIZON	ITAL	NO	N	IONE	NO	NONE	BLUE (E	ENAMEL)
		•	•									·
BI	EARINGS											
DE .	ODE	GREASE	SHAFT TYPE			SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL	
BALL		-										
	BALL	POLYREX EM	STANI	DARD IEC		NONE	N	IONE	1045 HOT F	OLLED (C-204)	CAST	IRON .
6309	6209									. , ,		
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	l woo	3 RTD's		BRG RTD's	THER	MISTORS	co	NTROL	SPACE	HEATERS
	NONE	NOT		ONE		NONE		IONE		ALSE		NA .
				0.1.2		110112				1202		
B4	(ohms/ph)	R2 (ohms/ph)	V1 (a	hms/ph)		X2 (ohms/ph)	Vm /	ohms/ph)	VIDDAT	ION (in/sec)		OAT
KI												
	0.378	0.265	1	.154		1.740	2	8.535	L C	.150	0	DE
*												
N					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1							
0							SPEED RANGE:					
T									OI LLD IVAIOL.			
									NONE			
E								ENCODER:	NONE			
S								NONE				
*								NONE			NONE	PPR
								BRAKE:	NONE			
l	PREPARED BY:						NONE NONE					
1											-	
1	DATE:	11/10/2020						FT-LB:		NA		
1						<u> </u>		VOLTAGE:		ONE		HZ:
FORM: 35	PRM: 3531 REV_4 2/27/06					UL: V - LI,ME-INS,CONST UL REC						





80.0

40.0

20.0

0.0

0

200

400

600

RPM







40.0

20.0

0.0

1400

1000

1200

800



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: TCA0113AE271GAA009

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

Catalog No : R635

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. Cles

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer