PRODUCT INFORMATION PACKET



Model No: TCA0222AE211GAA009

Catalog No: R343B

Cast Iron Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 180L Frame,

TEFC





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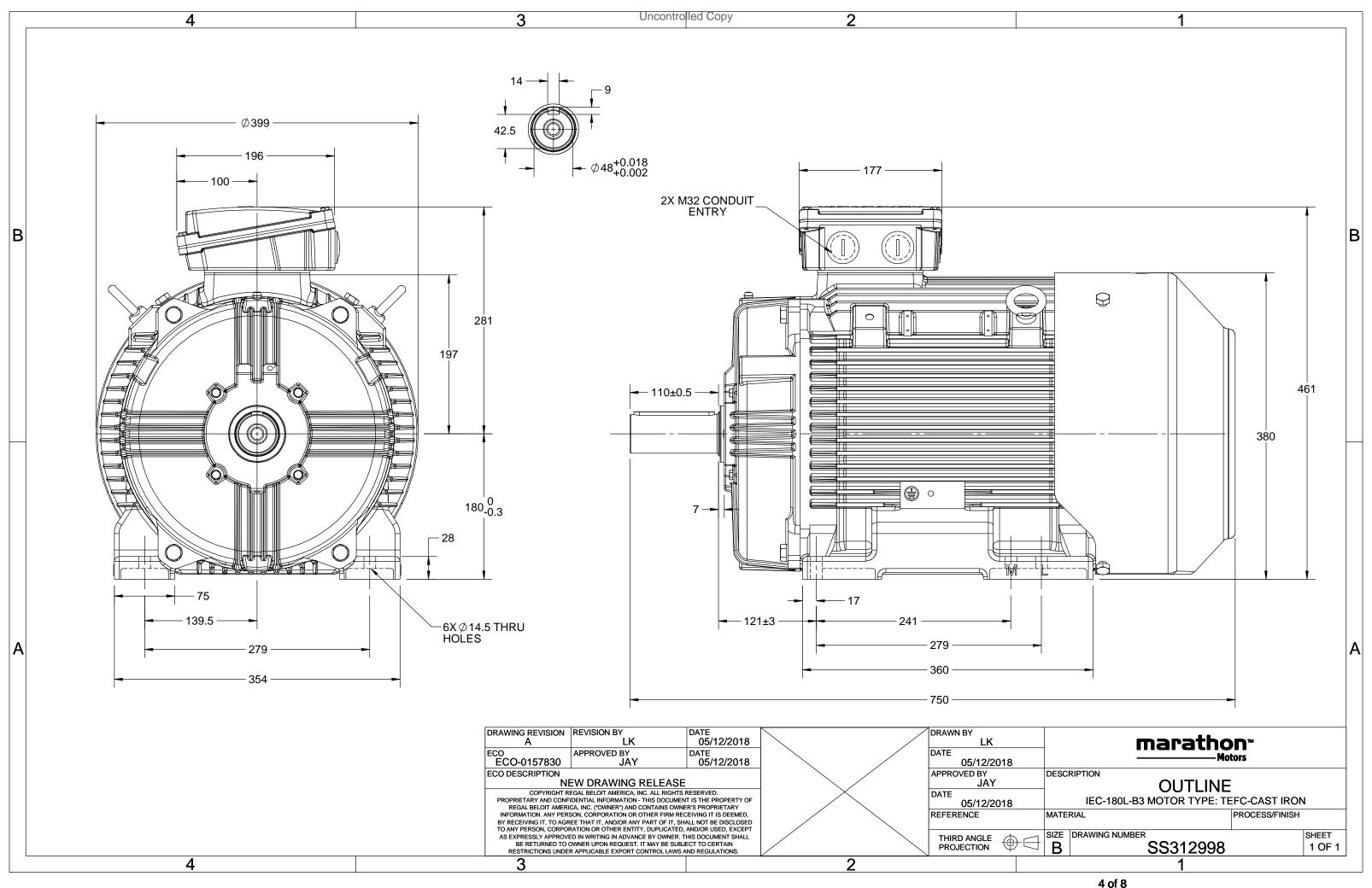
Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp			
Output KW	22.0 & 18.5 kW	Voltage	230/460 & 200/400 V			
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15			
Frame	180L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	93.6 & 92.6 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	72/36 & 70/35 A	Power Factor	83			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	Н			
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211			
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	.3 Ohms	Mounting	В3
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	29.53 in
Frame Length	14.41 in	Shaft Diameter	1.890 in
Shaft Extension	4.33 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS312998	Connection Drawing	8442000715

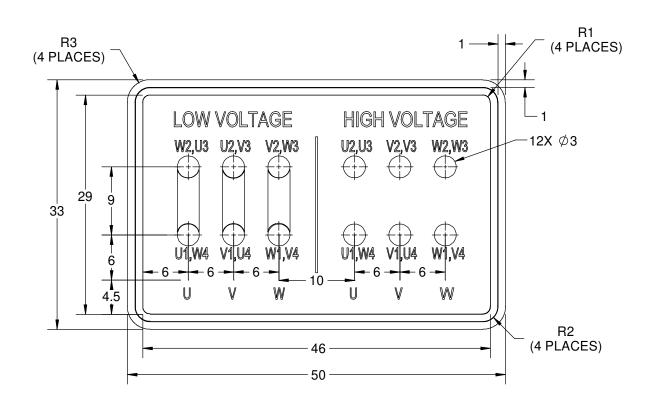
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DRAWING REVISION	REVISION BY	DATE					
Α	S.MUDDA	16/11/2020					
ECO	APPROVED BY	DATE					
ECO-0194685	SUMANTA	16/11/2020					
ECO DESCRIPTION							
NEW DRAWING							

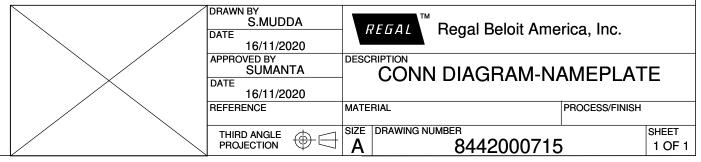
GEOMENTRIC TOLERANCE					
	>0~6	±0.1			
LINEAR DIM	>6~30	±0.2			
	>30~120	±0.3			



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[™]



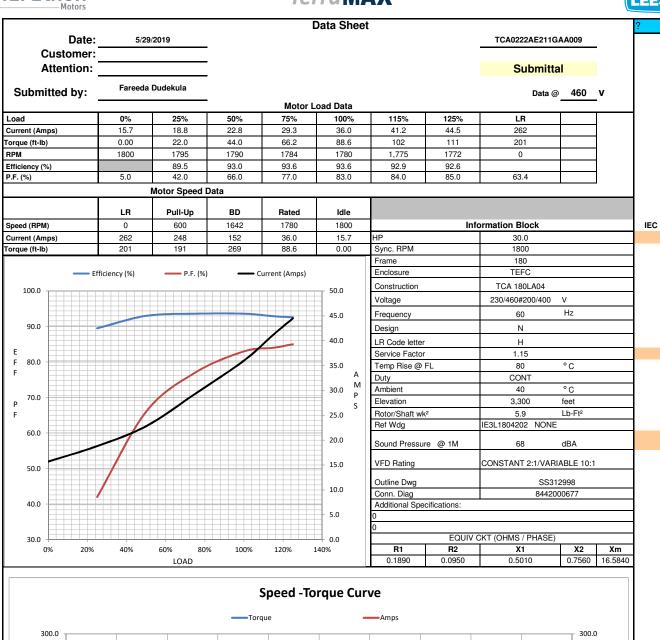
					CEF	RTIFICATION DATA S	HEET		P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331				
CUSTOME ORDER #: CONN. DIA OUTLINE: WINDING: SPEED:	AGRAM:	8442000677 SS312998 IE3L1804202	NONE				CUSTO	CAT #: MER PART #: MOUNTING:	TCA0222AE211G	AA009 343B			
НР	кw	SYNC RPM	-	. RPM	PICAL	MOTOR PERFORMA			TYPE	1014 00	NDE .	DESIGN	
		-					ENCLOSURE			KVA CODE			
30	22.4	1800	1 1	780		180L	TEFC		TCA 180LA04	Н	N		
PH 3	HZ 60/50	VOLTS 230/460#200/400		MPS 6&70/35	l	START TYPE .INE OR INVERTER		UTY ONT	INSL F	S.F. 1.15	AMB (° C)	ELEV.(Ft.) 3300	
	F.L. EFF F.L. PF			1/2 LD EFF 1/2 LD PF	93.0 66.0	GTD EFF 92.6	ELECT. TYPE SQ CAGE INV RATED						
F.L	TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TOR		RQUE F.L. RISE		(° C)		
· · · · · · · · · · · · · · · · · · ·		LB-FT	227%	269 LB-FT		304% 80							
	SOUND PRESSURE @ 3 FT. SOUND POWER ROTOR WK ²			MAX. LOAD WK ²	SAFE STALL TIME		STAR	rs/Hour	APROX.	MOTOR WGT			
68	dBA	77 dBA	5.9	LB-FT ²	5.9	LB-FT ²	12	SEC.		2	250	KG.	
					*** SU	PPLEMENTAL INFORMA							
		TYPE		MOTOR ORIENTATION SEVERE DUTY HORIZONTAL NO		HAZARDOUS LOCATION NONE		DRIP COVER	SCREENS	PAINT BLUE (ENAMEL)			
SI	ANDARD	STANDARD	B3	HORIZO	NIAL	NO	N	ONE	NO	NONE	BLUE (E	:NAMEL)	
DE BE	EARINGS ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	SHAFT MATERIAL		FRAME MATERIAL	
BALL 6311	BALL 6211	POLYREX EM	STANI	DARD IEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
	RMOSTATS NONE	PROTECTORS NOT		DG RTD'S BRG RTD'S THERMISTORS CONTROL NONE NONE NONE FALSE			SPACE HEATERS						
R1 (ohms/ph) R2 (ohms/ph)		X1 (o	nms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT				
	0.189	0.095		.501	0.756			5.584	0.150		ODE		
* N O T								INV. HI	SPEED RANGE:	CONSTANT 2:1/VAF	RIABLE 10:1		
E S *								ENCODER: NONE NONE			NONE	PPR	
	PREPARED BY: DATE:	11/16/2020					BRAKE: NONE NONE FT-LB: NA						
FORM: 3531 REV_4 2/27/06					VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC								

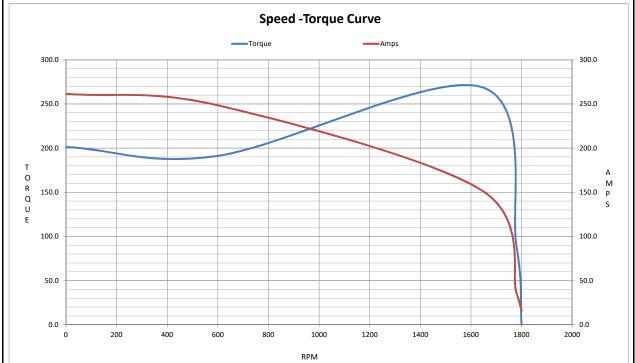














EC Declaration of Conformity

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: TCA0222AE211GAA009

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

Catalog No: R343B

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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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