PRODUCT INFORMATION PACKET

Model No: TCA18P2AP211GAA009 Catalog No: R440 Cast Iron Motor, 25 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 180M Frame, TEFC



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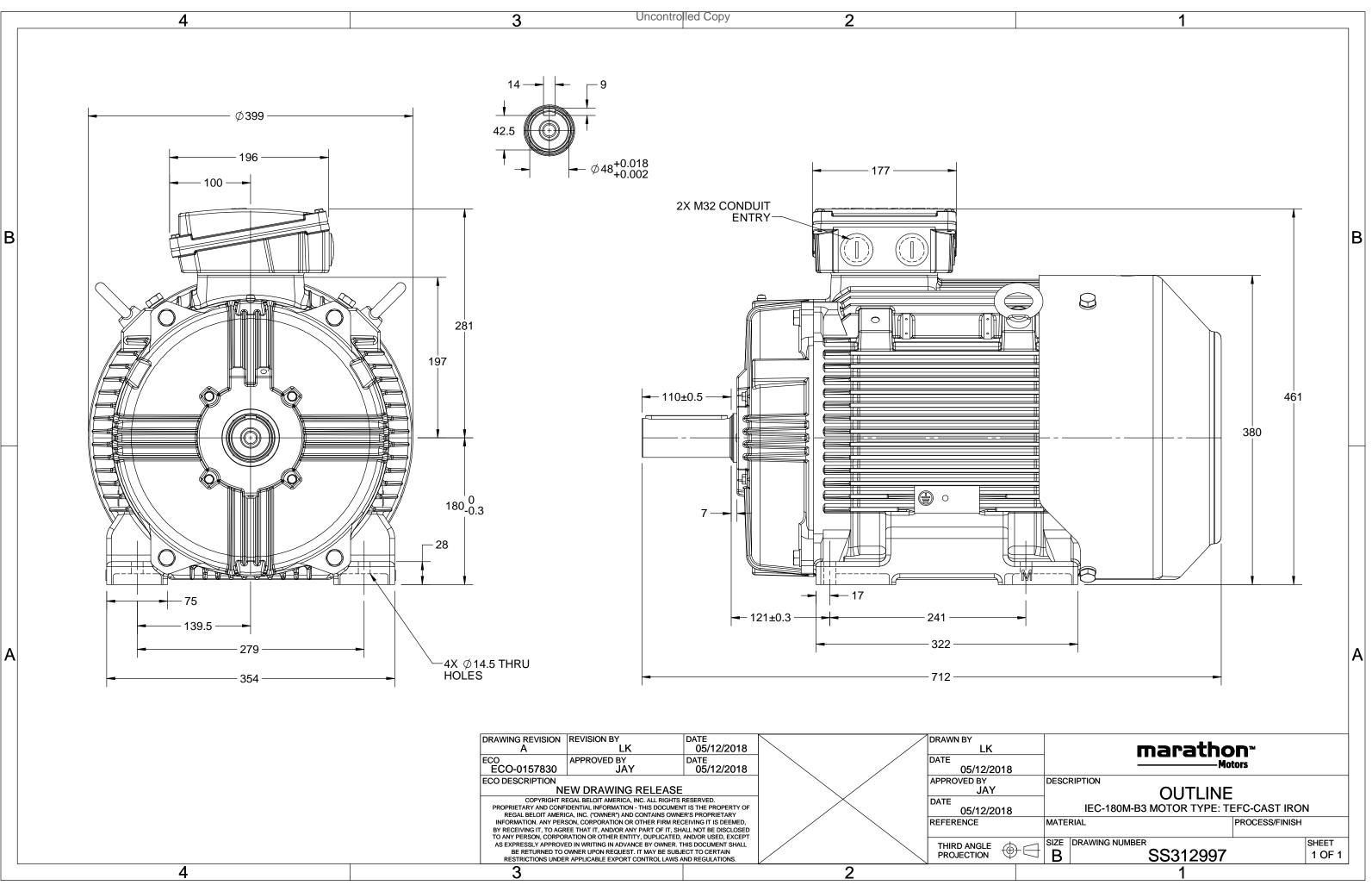
Nameplate Specifications

Output HP	25 Hp	Output KW	18.5 kW
Frequency	60 Hz	Voltage	575 V
Current	24.8 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	N (IEC)	KVA Code	L
Frame	180M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	N
CE	Y	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	.32 Ohms	Mounting	ВЗ
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	28.03 in
Frame Length	12.91 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	SS312997	Connection Drawing	8442000685

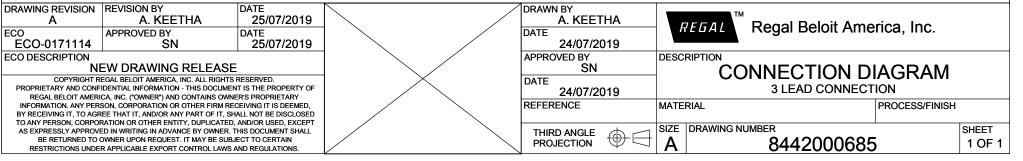
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GENERAL TOLERANCE		
DIM >6~30 ±0.2		
>30~120 ±0.3		
		Ī
	ϕ_4 τ_4 τ_6 h_4 τ_6 h_{41}	
	TYP = T1(U1) T2(V1) T3(W1)	
		60
	LINE LINE LINE	
	24	
		<u> </u>
NOTES:		
	ESIVE TAPE COATED WITH ANTI-ADHESIVE.	
	DUND LETTERS WILL BE BLACK.	
	INEAR SIZE OF THE TOLERANCE WITHOUT	
THE TOI FRANCE BY THE T		

- THE TOLERANCE BY THE TABLE.
- 4. LEAD TERMINAL MARKINGS FONT SIZE : T1-T2 T3 & U1-V1-W1 OF ARIAL WITH 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.



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									P.O. BOX 8003 WAUSAU, WI 544 PH. 715-675-331 DATA VOLTS:			
					CE	RTIFICATION DATA SI	HEET					
CUSTOMER: ORDER #: CONN. DIAGRAM: 8442000685						CUSTOMER P.O. #: REFERENCE MODEL #: CAT #:		TCA18P2AP211G				
OUTLINE: WINDING: SPEED:		8442000685 SS312997 IE3L1804201	NONE	3			сизто	MER PART #: MOUNTING:		3440		
					YPICAL	MOTOR PERFORMA						
НР 25	кw 18.7	5YNC RPM 1800		. RPM		180M		LOSURE	TYPE TCA 180MA04	KVA C	JDE	DESIGN
					1				1			
PH 3	HZ 60	VOLTS 575		MPS 24.8		START TYPE LINE OR INVERTER		ONT	INSL F	S.F. 1.15	AMB (° C) 40	ELEV.(Ft.) 3300
	F.L. EFF		3/4 LD EFF			1/2 LD EFF	92.9	GTD EFF	1	ELECT. 1		
	F.L. PF		3/4 LD PF			1/2 LD PF	63.0	92.6		SQ CAGE IN		
	TORQUE	LR AMPS @	460 V			TORQUE		B.D. TOR		F.L. RISE	: (° C)	
73.7	LB-FT	185		175	LB-FT	237%	242	LB-FT	328%	80		
SOUND F	PRESSURE @ 3 FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
68	dBA	77 dBA	5.2	LB-FT ²	5.2	LB-FT ²	12	SEC.		2	231	KG.
					*** SU	PPLEMENTAL INFORMA						
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIE	ENTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER	SCREENS	PAINT	
ST	ANDARD	STANDARD	B3	HORIZO	NTAL	NO	Ν	IONE	NO	NONE	BLUE (E	ENAMEL)
BE DE	EARINGS	GREASE	SHAP	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL
BALL 6311	BALL 6211	POLYREX EM	STAN	DARD IEC		NONE	Ν	IONE	1045 HOT ROLLED (C-204)		CAST IRON	
											SPACE	HEATERS
	NONE	PROTECTORS NOT		ONE		BRG RTD's NONE		MISTORS		NTROL ALSE		IA
R1	(ohms/ph) 0.470	R2 (ohms/ph) 0.250		hms/ph) .441		2.050 X2 (ohms/ph)		ohms/ph) 4.542		ION (in/sec) 0.150		DE
		0.200				2.000						
* N O T								INV. HE	P SPEED RANGE:	CONSTANT 2:1/VA	RIABLE 10:1	
ES*								ENCODER: NONE NONE			NONE	PPR
	PREPARED BY: DATE:	11/16/2020						FT-LB:	NONE	NON	IE	
FORM: 35	31 REV 4	2/27/06				-	UL·	VOLTAGE: V - LI,ME-INS,	CONST UL REC	IONE		HZ:
50	_:						v =.					



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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 : TCA18P2AP211GAA009

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

Catalog No : R440

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer