PRODUCT INFORMATION PACKET

Model No: TCA0032AE221GAA009 Catalog No: R252 Cast Iron Motor, 4 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 100L Frame, TEFC



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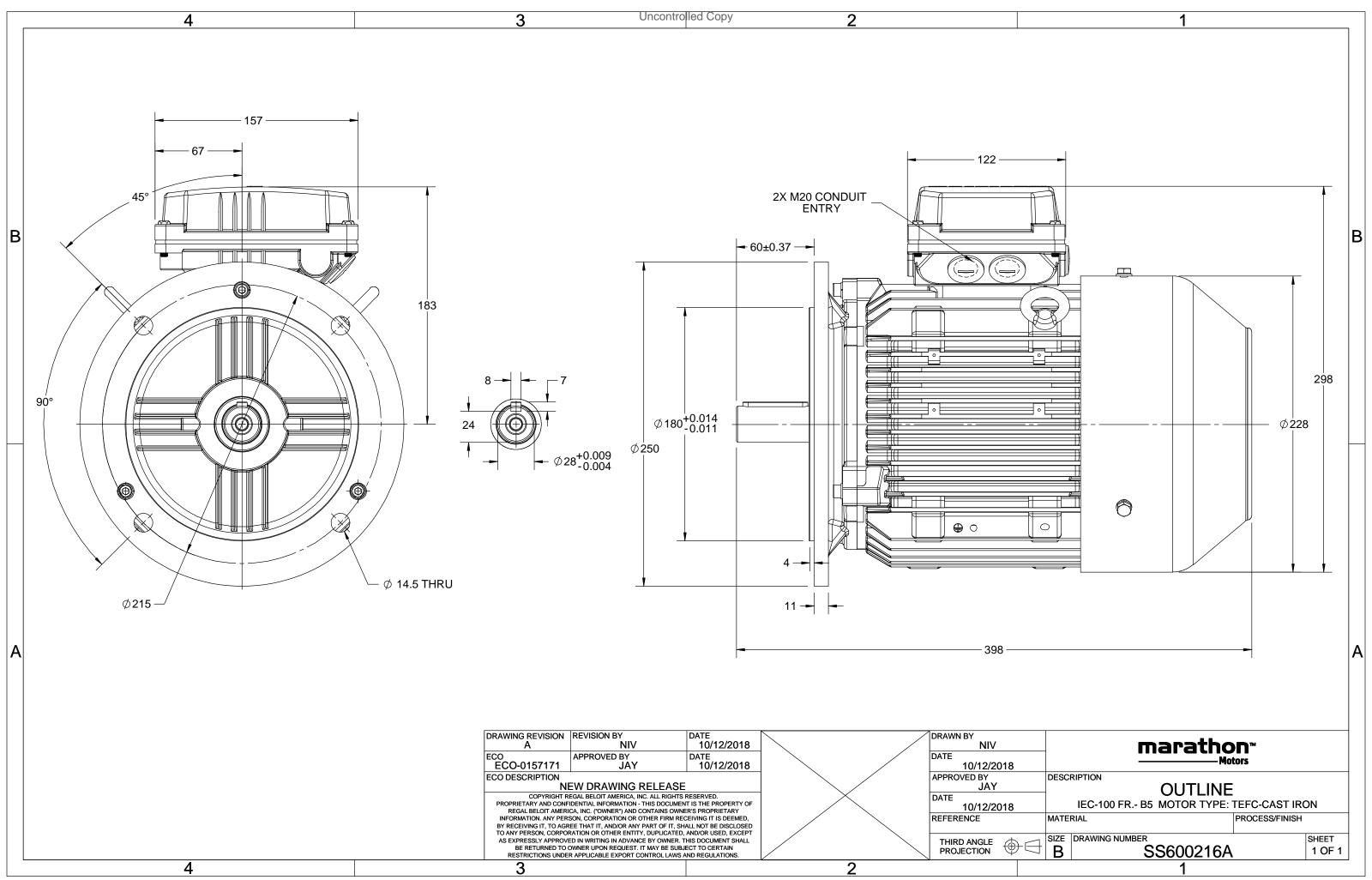
Nameplate Specifications

Phase	3	Output HP	4 & 3 Hp 230/460 & 200/400 V			
Output KW	3.0 & 2.2 kW	Voltage				
Speed	1765 & 1470 rpm	Service Factor	1.15 & 1.15			
Frame	100L	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	89.5 & 86.7 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	10.4/5.2 & 9.2/4.6 A	Power Factor	81			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	L			
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206			
UL	Recognized	CSA	N			
CE	Υ	IP Code	55			
Number of Speeds	1	Efficiency Class	IE3			

Technical Specifications

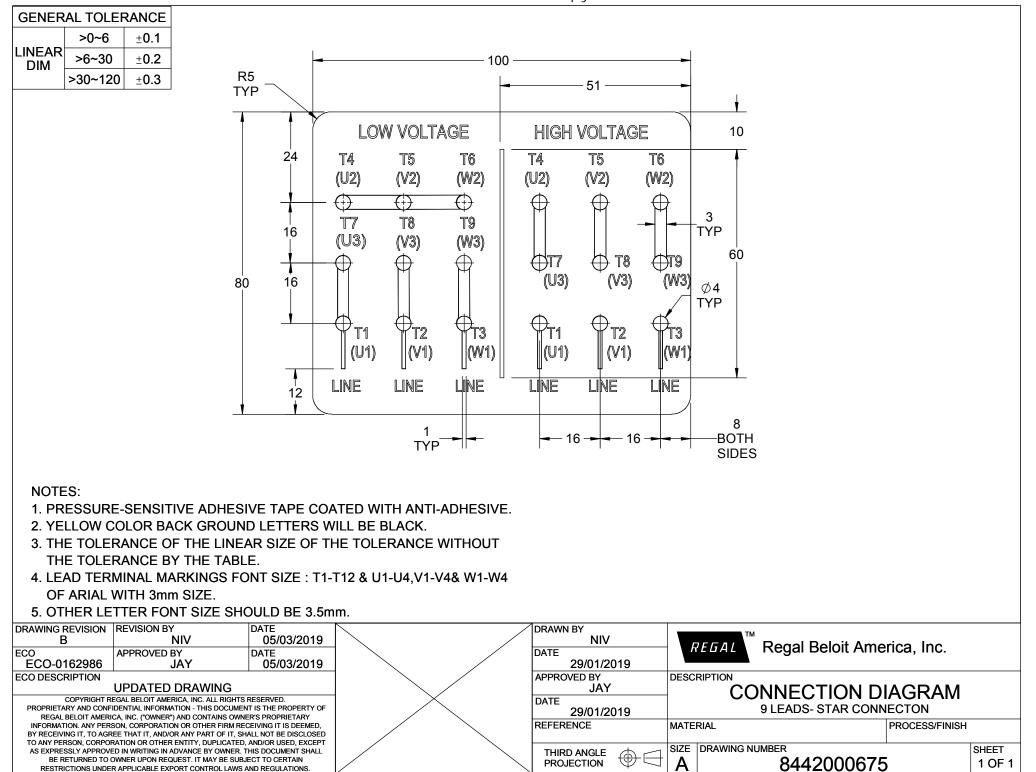
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	4	Rotation	Reversible		
Resistance Main	3.18 Ohms	Mounting	Round		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	IEC	Overall Length	15.67 in		
Frame Length	7.87 in	Shaft Diameter	1.102 in		
Shaft Extension	2.36 in	Assembly/Box Mounting	F3		
Inverter Load	CONSTANT 2:1/VARIABLE 10:1				
Connection Drawing	8442000675	Outline Drawing	SS600216A		

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									P.O. BOX 8003			
					WAUSAU, WI 54401-8003 PH. 715-675-3311							
									DATA VOLTS:	460		
									2/1///02/01	100		
					CEI	RTIFICATION DATA SI	JEET					
					UEI	TIFICATION DATA 3						
CUSTOME	- D.						OUNT	OMER P.O. #:				
ORDER #:				-						4 4 000		
		8442000675		_			REFERENCE MODEL #: TCA0032AE221GAA009 CAT #: R252					
CONN. DI								CAT #:		R252		
OUTLINE:		SS600216A					CUSIO	MER PART #:				
WINDING:		IE3L1004202	NONE	1				MOUNTING:	F3			
SPEED:		_		_								
		T		1	YPICAL	MOTOR PERFORMA	NCE DA	TA				
нр	кw	SYNC RPM	-	DDM	FRAME				TYPE	10/4 0		DESIGN
пр	r.vv	STNC RPM	FL RPM			FRAME	ENCLOSURE		ITPE	KVA CODE		DESIGN
4	3.0	1800		1765		100L	т	EFC	TCA 100LB04	L		N
	0.0	1000				1002		2.0	10/11002201	-		
PH	HZ	VOLTS	A	MPS		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	10.4/5	.2&9.2/4.6		LINE OR INVERTER	C	ONT	F	1.15	40	3300
						•						
	F.L. EFF	89.5	3/4 LD EFF	89.5		1/2 LD EFF	86.3	GTD EFF		ELECT. 1	YPE	
	F.L. PF		3/4 LD PF			1/2 LD PF	64.0	87.9		SQ CAGE IN		
F.L	. TORQUE	LR AMPS @	460 V		L.R. TORQUE			B.D. TOR	QUE F.L. RISI		E (° C)	
11.9 LB-FT 48.9			35.4 LB-FT 297%		41.8 LB-FT		351% 80		1			
11.0	2011	10.0		00.1		20170	11.0		00170			
SOUND	PRESSURE @ 3								1			
	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
55	dBA	64 dBA	0.34	LB-FT ²	0.34	LB-FT ²	10	SEC.		2	49	KG.
			•									
					*** SU	PPLEMENTAL INFORMA	TION ***					
MOUNT					HAZARDOUS							
DE BRACKET TYPE		ODE BRACKET TYPE TYPE		MOTOR ORIENTATION SEVERE DUTY		LOCATION		DRIP COVER	SCREENS		PAINT	
FF-F	LANGE-215	STANDARD	ROUND	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (ENAMEL)	
B	EARINGS	GREASE	SUA	FT TYPE		SPECIAL DE	SDEC	IAL ODE	SHAFT	MATERIAL	EDAME	
DE	ODE	GREASE	JIA		SPECIAL DE		SPECIAL ODE		SHAFI MATERIAL		FRAME MATERIAL	
BALL	BALL	POLYREX EM	STAN	STANDARD IEC		NONE			1045 HOT ROLLED (C-204)			
6206	6206	FOLTREAEW	STAN	DARDIEC	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
											SPACE	HEATERS
THE	RMOSTATS	PROTECTORS	WD	G RTD's		BRG RTD's	THER	MISTORS	CO	NTROL	SFACE	HEATERS
	NONE	NOT	N	IONE		NONE	N	IONE	E.	ALSE	1	IA
											•	
R1 (ohms/ph) R2 (ohm		R2 (ohms/ph)	X1 (c	ohms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
1.986		1.135	3	5.744		10	8.708	C	.150	ODE		
*												
N							INV	ERTER TORQUE:	CONSTANT 2:1/VA	RIABLE 10:1		
0					INV. HP SPEED RANGE: NONE							
т												
Е								ENCODER:	NONE			
s								NONE				
*								NONE			NONE	PPR
								BRAKE:	NONE			
1	PREPARED BY:								NONE	NON		
1	DATE:	11/16/2020						FT-LB:		NA		
	DATE:	11/10/2020										
EODM: 05	FORM: 3531 REV_4 2/27/06				ŀ	VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC HZ: HZ:						
FURIVI: 35	SIREV_4	2/27/06					UL:	v - LI,IVI⊏-INS,	CONST UL REC			

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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 : TCA0032AE221GAA009

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

Catalog No : R252

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