PRODUCT INFORMATION PACKET

Model No: TCA0221AE211GAA009

Catalog No: R342B

22.0 kW General Purpose Low Voltage IEC Motor, 3 phase, 3600 RPM, 230/460 V, 180M Frame, TEFC



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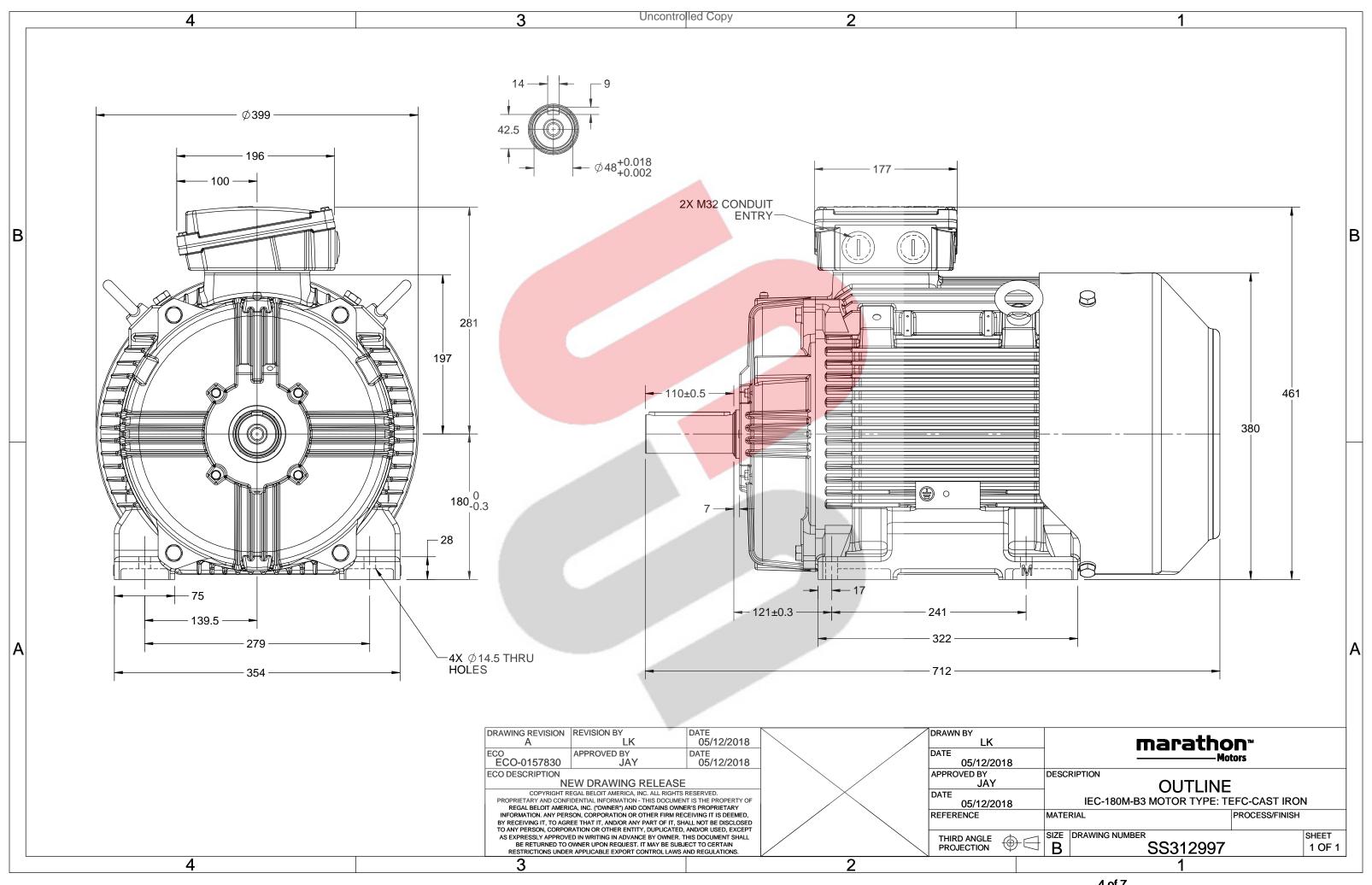
Nameplate Specifications

Output HP	30 Hp	Output KW	22.0 kW			
Frequency	60 Hz	Voltage	230/460 V			
Current	68.0/34.0 A	Speed	3550 rpm			
Service Factor	1.15	Phase	3			
Efficiency	91.7 %	Power Factor	88			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	F			
Frame	180 <mark>M</mark>	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No	Ambient Temperature	40 °C			
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

Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
2	Rotation	Reversible
.37 Ohms	Mounting	В3
Horizontal	Drive End Bearing	Ball
Ball	Frame Material	Cast Iron
IEC	Overall Length	28.03 in
12.91 in	Shaft Diameter	1.890 in
4.33 in	Assembly/Box Mounting	F3
CONSTANT 2:1/VARIABLE 10:1		
SS312997	Connection Drawing	8442000715
	2 .37 Ohms Horizontal Ball IEC 12.91 in 4.33 in CONSTANT 2:1/VARIABLE 10:1	2 Rotation .37 Ohms Mounting Horizontal Drive End Bearing Ball Frame Material IEC Overall Length 12.91 in Shaft Diameter 4.33 in Assembly/Box Mounting CONSTANT 2:1/VARIABLE 10:1



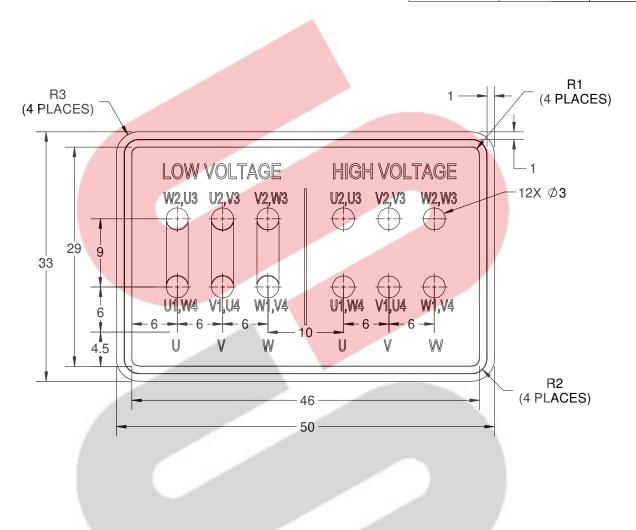


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DRAWING REVISION	REVISION BY	DATE
L A	S.MUDDA	16/11/2020
ECO	APPROVED BY	DATE
ECO-0194685	SUMANTA	16/11/2020
ECO DESCRIPTION		

NEW DRAWING

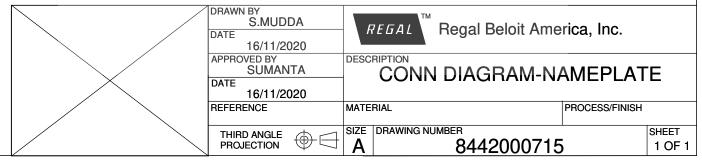
GEOMENTRIC TOLERANCE							
	>0~6	±0.1					
LINEAR DIM	>6~30	±0.2					
	>30~120	±0.3					



NOTES:

- 1. PRESSURE-SENSITIVE ADHESIVE COATED PAPER ON THE BACK OF SELF-ADHESIVE.
- 2.
- 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 3. BY THE TABLE.
- LEAD TERMINAL MARKINGS FONT SIZE: T1-T12 & U1-U4,V1-V4& W1-W4 OF ARIAL WITH 4. 3mm SIZE
- 5. OTHER LETTER FONT SIZE SHOULD BE 3.5mm.

8WD.442.2017





TerraMAX[™]



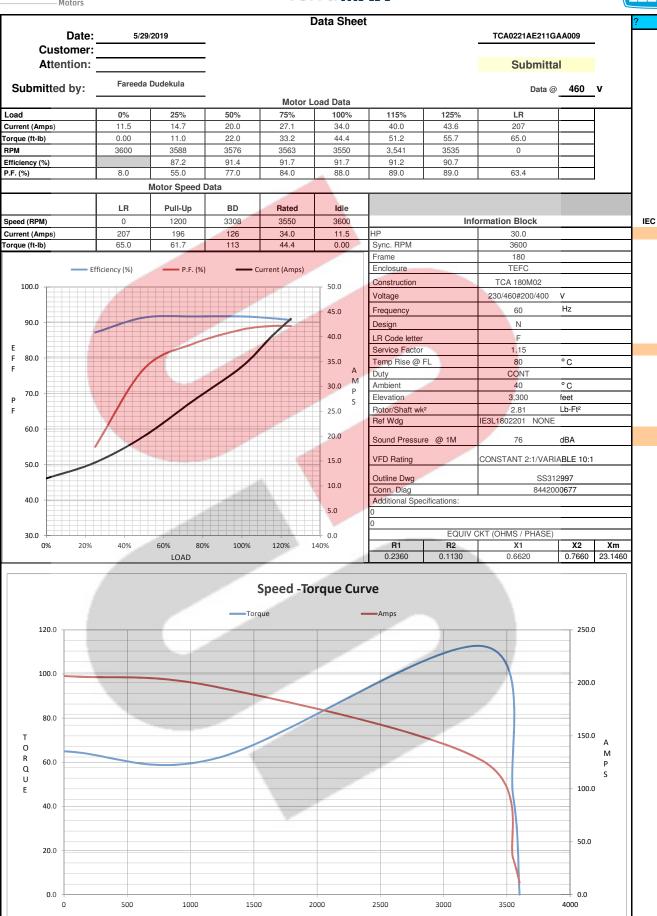
										P.O. BOX 8003				
					WAUSAU, WI 54401-8003									
					PH. 715-675-3311									
										111. 710-070-001				
										DATA VOLTS:	460			
						CE	RTIFICATION DATA S	HEET						
						OLI	TIII IOATION BATA O							
	_													
CUSTOME									OMER P.O. #:					
ORDER #:								REFEREN	CE MODEL #:	TCA0221AE211G				
CONN. DIA	AGRAM:	8442000677	,					CAT #: R342B						
OUTLINE:		SS312997						CUSTOMER PART #:						
WINDING:			IE3L1802201	NONE	1				MOUNTING:	F3				
SPEED:														
loi EED.		-			-	VDICAL	MOTOR PERFORMA	NCE DA	T A					
						TPICAL	WOTOR PERFORMA	NCE DA	IA					
НР	кw	0)4	IC RPM		. RPM		FRAME	ENCLOSURE		TYPE	Ι.	KVA COI	-	DESIGN
пР	NVV	511	IC RPIVI	FL	. RPIVI		FRANE	ENC	LUSUKE	ITPE		NVA CUI	DE	DESIGN
30	22.4		3600		3550		180M	,	EFC	TCA 180MA02		F		N
30	22.4		3000		3330	l	180W	- 1	EFC	TCA TOUIVIAUZ		F		IN
						1								
PH	HZ		OLTS		MPS		START TYPE		UTY	INSL	S.F.		AMB (° C)	ELEV.(Ft.)
3	60/50	230/46	0#200/400	68/3	4&68/34		LINE OR INVERTER	C	ONT	F	1.15		40	3300
	F.L. EFF	91.7		3/4 LD EFF	91.7		1/2 LD EFF	91.4	GTD EFF		EL	ECT. TY	PE	
	F.L. PF			3/4 LD PF	84.0		1/2 LD PF	77.0	90.5		SQ CA	GE INV I	RATED	
			_											
	TOROUE		1 D 414D0 O	400.17			TOROUE		D.D. TOD	0115	-	DIOE /	9.0	
	TORQUE		LR AMPS @	460 V			TORQUE		B.D. TOR			L. RISE (iE (' C)	
44.4	LB-FT		207		65.0	LB-FT	146%	113	LB-FT	255%	80			
										100				
SOUND F	PRESSURE @ 3													
	FT.	SOUND	POWER		OR WK ²	MAX. LOAD WK ²		SAFE STALL TIME	STARTS/HOUR		APROX.		MOTOR WGT	
76	dBA	85 dBA		2.81	LB-FT ²	2.81	LB-FT ²	15	SEC.	1	2		199	KG.
				,										
						*** SU	PPLEMENTAL INFORMA	TION ***						
				MOUNT					RDOUS					
DE BR	ACKET TYPE	ODE BRA	CKET TYPE			ENTATION SEVERE DUTY		LOCATION DRIP COVER		SCREENS		PAINT		
	ANDARD		NDARD	B3 HORIZO					ONE	NO	NONE	NONE BLUE (E		
	7111071110	0.,,	11071110		1101120		110		0.112		HOILE			
L		1									_			
	ARINGS	GF	REASE	SHA	IAFT TYPE SPECIAL DE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		.	FRAME MATERIAL	
	DE ODE			77										
BALL BALL POLYREX EM		/REY EM	STANI	DARD IEC	ARD IEC NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST IRON			
6311	6211	102	TILK LIVI	O I A I I	JARD IEC NONE		NONE	NONE 1043 HOT ROLLE		OLLLD (O-20	LED (C-204) CAST IKON			
							ALC: V		1					
TUE	DMOSTATS	PPOT	ECTORS	WD	G RTD's		BRG RTD's	THER	MISTORS	co	NTROL		SPACE	HEATERS
THERMOSTATS		NOT			NONE NONE				FALSE			NA NA		
	NONE		NOT	I N	UNE		NONE	IN.	ONE	F.	ALSE			IA
							W2 () () ()							
R1	(ohms/ph)		hms/ph)	X1 (ohms/ph)		X2 (ohms/ph)			hms/ph)	VIBRATION (in/sec)			FLOAT	
0.236		().113	0.662 0.766			23	3.146	0.150 ODE				DE	
			- 4											
*			- 40							73				
N			400				P		INV	ERTER TORQUE:	CONSTANT 2	2:1/VARI	ABLE 10:1	
0					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE									
Ιτ						114 V. 111	SPEED NAME.							
E					400	ENCODER: NONE								
s						NONE								
*				100		1000	principal and the second		NONE				NONE	PPR
						- 1			BRAKE:	NONE				
PREPARED BY:									NONE		NONE			
1		11/	10/2020								NIA	INOINE		
1	DATE:	11/	10/2020						FT-LB:		NA			
1									VOLTAGE:	N N	ONE			HZ:
FORM: 35	31 REV 4	2/27/06						UL:	V - LI, ME-INS	CONST UL REC				

REGAL









RPM