PRODUCT INFORMATION PACKET

Model No: TCA0553AE231GAA009 Catalog No: R859 Cast Iron Motor, 75 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 280M Frame, TEFC



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: TCA0553AE231GAA009, Catalog No:R859 Cast Iron Motor, 75 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 280M Frame, TEFC

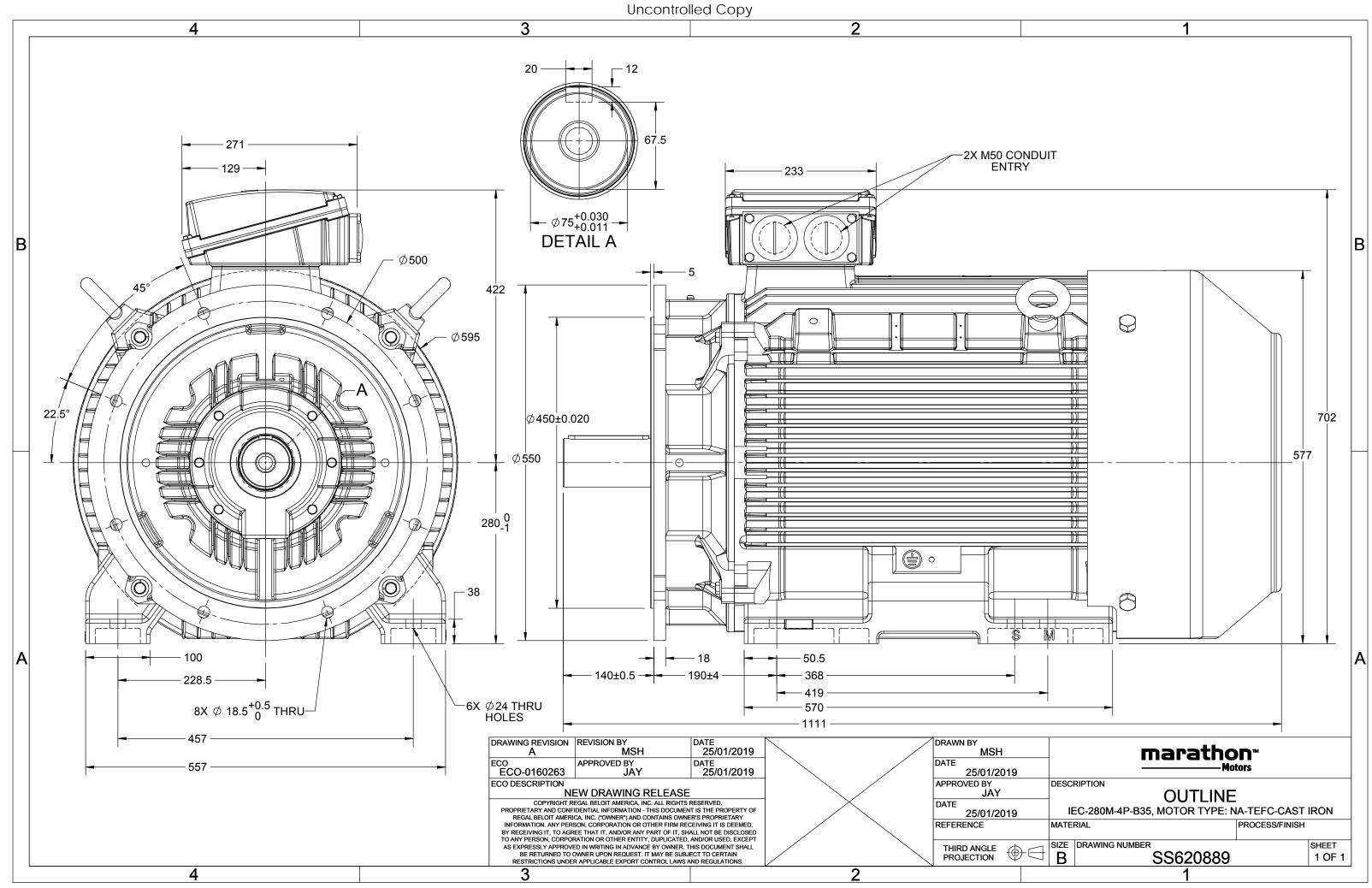
Nameplate Specifications

Output HP	75 Нр	Output KW	55.0 kW 230/460 V 1190 rpm			
Frequency	60 Hz	Voltage				
Current	174.0/87.0 A	Speed				
Service Factor	1.15	Phase	3			
Efficiency	94.5 %	Power Factor	84			
Duty	Continuous	Insulation Class	F			
Design Code	N (IEC)	KVA Code	G			
Frame	280M	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	6317	Opp Drive End Bearing Size	6317			
UL	Recognized	CSA	N			
CE	Y	IP Code	55			
Number of Speeds	1	Efficiency Class	IE3			

Technical Specifications

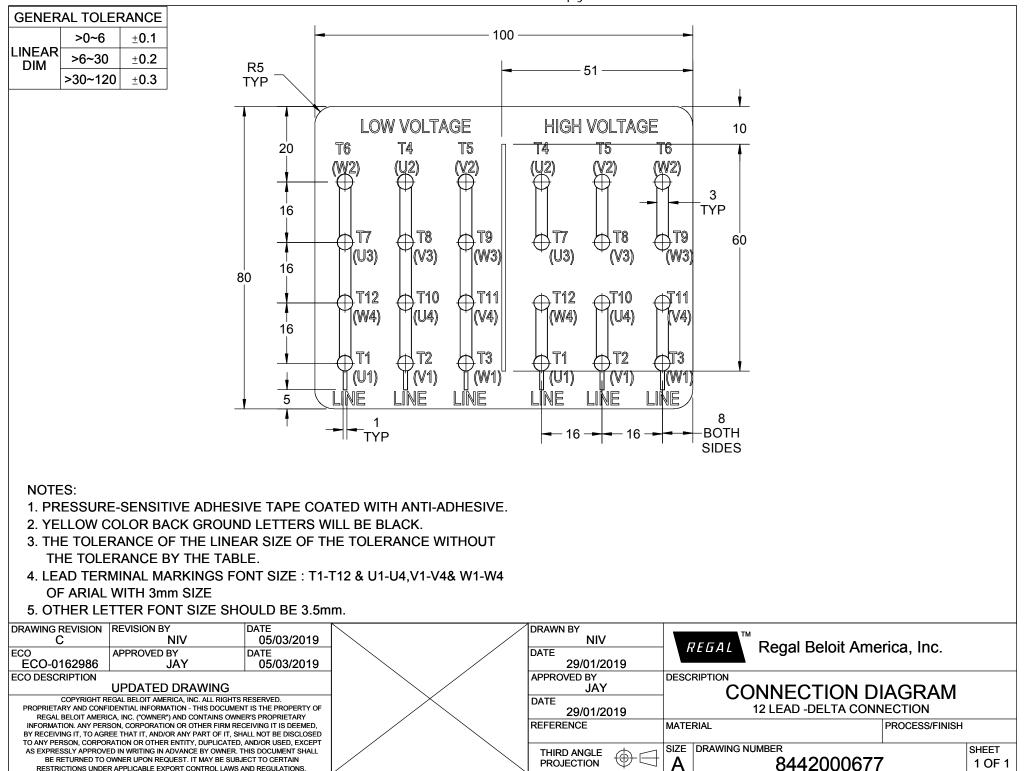
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	6	Rotation	Reversible			
Resistance Main	.07 Ohms	Mounting	B3			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	IEC	Shaft Diameter	75.000 in			
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Outline Drawing	outline Drawing SS620889		8442000677			

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:08/24/2022



3 of 6

Uncontrolled Copy



PROJECTION

RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

1 OF 1

Α

Uncontrolled Copy



Г





									P.O. BOX 8003			
				WAUSAU, WI 54401-8003								
									PH. 715-675-331			
										•		
									DATA VOLTS:	460		
					CE	RTIFICATION DATA S	HEET					
					02							
CUSTOME				_				OMER P.O. #:				
ORDER #:							REFERENCE MODEL #:					
CONN. DI		8442000677						CAT #:		859		
OUTLINE:		SS620889					CUSTO	MER PART #:				
WINDING:		IE3L280620	2 NONE	1				MOUNTING:	F3			
SPEED:				_		. MOTOR PERFORMA		T 4				
HP	KW	SYNC RPM	FL RPM			FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
75	55.00	1200		1190		280M	т	EFC	TCA 280MA06	G	i	Ν
PH	HZ	VOLTS		MPS		START TYPE	0	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft.)
3	60/50	230/460#200/400	174/8	7&166/83		LINE OR INVERTER	C	ONT	F	1.15	40	3300
	F.L. EFF	94.5	3/4 LD EFF	94.5		1/2 LD EFF	93.3	GTD EFF		ELECT.	TYPE	
	F.L. PF	84.0	3/4 LD PF			1/2 LD PF	73.0	93.7		SQ CAGE IN	V RATED	
F.L	TORQUE	LR AMPS @	2 460 V		L.R. TORQUE B.D.		B.D. TOR	RQUE F.L. RIS		E (°C)		
331 LB-FT 549 583		583	LB-FT 176% 792 LE		LB-FT	239% 80						
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER		OR WK ²		MAX. LOAD WK ²		TALL TIME	STAR	TS/HOUR	APROX.	MOTOR WGT
68	dBA	77 dBA	63.5	LB-FT ²	63.5	LB-FT ²	15	SEC.		2	699	KG.
					*** SL	IPPLEMENTAL INFORMA	TION ***					
			MOUNT					ARDOUS				
DE BR	ACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORI	ENTATION	SEVERE DUTY		CATION	DRIP COVER	SCREENS	PA	INT
FF-F	LANGE-500	STANDARD	B3	HORIZO	NTAL	NO	N	IONE	NO	NONE	BLUE (E	NAMEL)
											•	
B	EARINGS	GREASE	SHA	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL		
DE	ODE	OREADE		SFECIAL DE		SPECIAL ODE		SHALL		FRAME MATERIAL		
BALL	BALL	SG S5-V100	STANDARD IEC		NONE		N 1	IONE	1045 HOT F	OLLED (C-204)	CAST IRON	
6314	6314	00 00-1100	UTAN	BARBIEG		NONE			104011011	(0-204)	0/101	
											SPACE	HEATERS
	RMOSTATS	PROTECTORS		G RTD's		BRG RTD's		MISTORS		NTROL	-	-
	NONE	NOT	1	IONE		NONE	N	IONE	F	ALSE	N	IA
			1		1							
R1 (ohms/ph)		R2 (ohms/ph)		ohms/ph)				ohms/ph)	VIBRATION (in/sec) 0.150		FLOAT ODE	
	0.042	0.030		0.284		0.416	5	8.596	(0.150	0	DE
N										CONSTANT 2.10/A		
N O						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1						
т						INV. HP SPEED RANGE: NONE						
									NONE			
E							-	ENCODER:	NONE			
s *								NONE				
•								NONE	NONE		NONE	PPR
						BRAKE:						
1	PREPARED BY:								NONE	NO	NE	
	DATE:	11/27/2020						FT-LB:		NA		
								VOLTAGE:		IONE		HZ:
+ORM: 35	531 REV_4	2/27/06					UL:	v - LI,ME-INS,	CONST UL REC			

REGAL

Uncontrolled Copy

