PRODUCT INFORMATION PACKET



Model No: 284TSTGCD6503 Catalog No: E546A

Hazardous Duty® Explosion Proof Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 284TS Frame, EPFC





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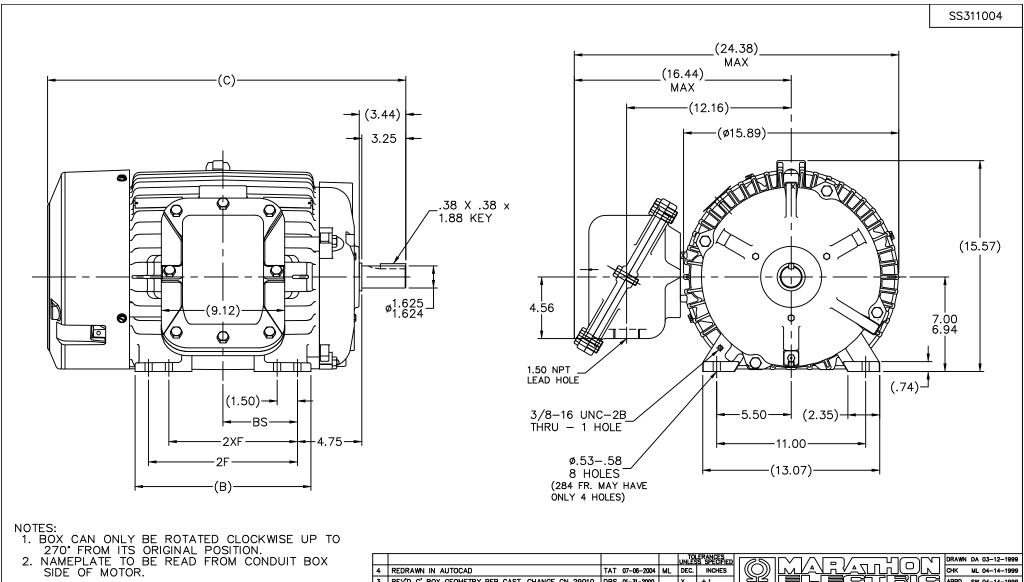
Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp		
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V		
Speed	3555 & 2955 rpm	Service Factor	1.15 & 1.15		
Frame	284TS	Enclosure	Explosion Proof Fan cooled		
Thermal Protection	Thermostat	Efficiency	91.7 & 91 %		
Ambient Temperature	40 °C	Frequency	60 & 50 Hz		
Current	60/30 & 58/29 A	Power Factor	86		
Duty	Continuous	Insulation Class	F		
Design Code	В	KVA Code	G		
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210		
UL	UL Listed And CSA Certified	CSA	Υ		
CE	N	IP Code	54		
Number of Speeds 1		Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B		

Technical Specifications

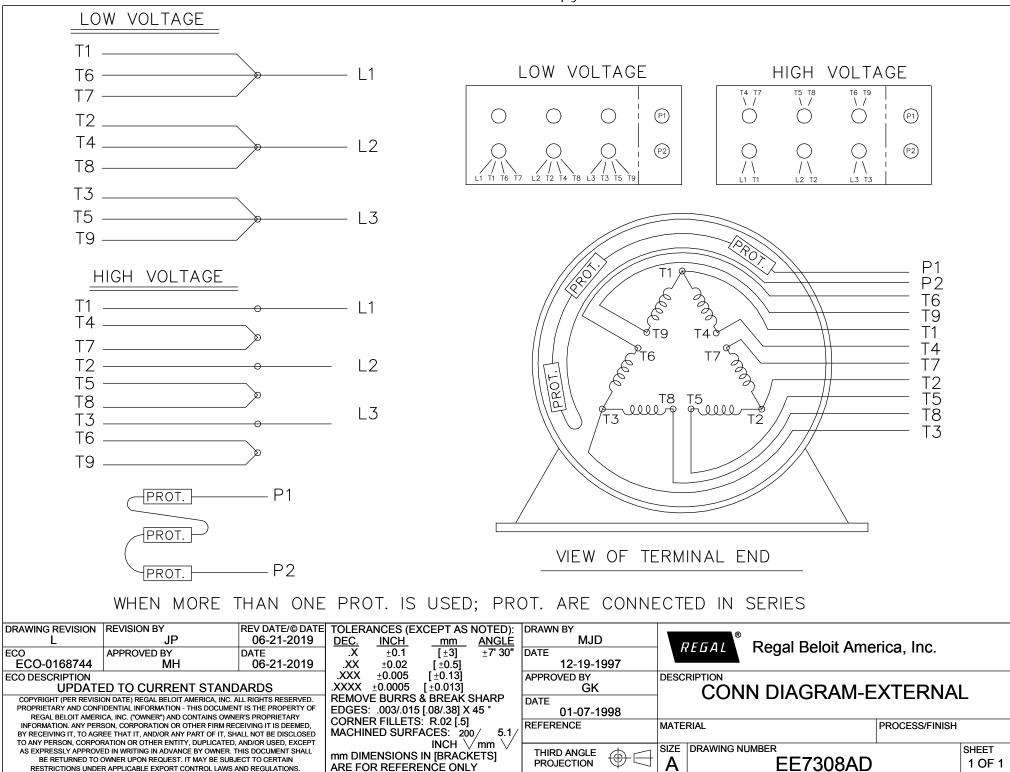
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.395 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1 ONLY	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Connection Drawing	EE7308AD	Outline Drawing	SS311004-1275

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DASH	FRAME	В	С	2F	2XF	BS
1275	284TS	12.50	24.97	9.50		4.75
1425	286TS	13.00	26.47	11.00	9.50	5.50

L						UNLES	S SPECIFIED		DRAWN	DA 03-12-	-1999
	4	REDRAWN IN AUTOCAD	TAT	07-06-2004	ML	DEC.	INCHES	(((()) <u> \ruk\allin\gamma\allinl@ r</u>	СНК	ML 04-14-	-1999
	3	REV'D C' BOX GEOMETRY PER CAST. CHANGE CN 29010	DRS	01-31-2000		.x	±.1		APPD	SW 04-14-	-1999
	2	REVISED 'C' DIMENSION FOR C.I. FAN GUARD	DA	07-12-1999		.xx	±.03	TITLE OUTLINE - EXP.PR TGN	SCALE	7=32	į
		REVISED CONDUIT BOX CN 2400-235				.xxx	±.005	280TS FR BB - STD - 12.50 LAM.	REF		
	1	NEW DRAWING - DES/DEV	DA	04-14-1999		.xxxx	±.0005	MAT'L.	FMF		
[NO.	REVISION	В	Y & DATE	СНК	ANG	±7'30"	FINISH	PREV		
		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE			RFP			CAD FILE SS311004 SIZE DRAWING			REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT					LB-	BR	B S:	53110	04	4



									P.O. BOX	9003			
										8003 WI 54401-8003			
				ma	Pa	athon®			PH. 715-6				
						Motors		DAT	A VOLTS:	460			
					CE	RTIFICATION DATA S	SHEET						
CUSTOM	ER:						CUSTO	OMER P.O. #:					
ORDER #	ŧ						REFERENC	E MODEL #:	284TSTGC	D6503		•	
CONN. D	IAGRAM:	EE7308AD		-				CAT #:		E546A		-	
OUTLINE		B-SS311004-1275					CUSTO	MER PART #:					
WINDING SPEED:	:	HA31802004	NONE	2				MOUNTING:	F1 ONLY				
		-		T	YPICAL	MOTOR PERFORM	ANCE D	ATA					
HP	кw	SYNC RPM	FL	. RPM		FRAME	ENC	LOSURE	TYPE	KVA CODE		DESIGN	
25	18.7	3600	3	3555		284TS		EPFC	TFC	G		В	
DU	117	VOLTE		MDC		CTART TYRE		NITY	INCI	0.5	AMP	FLEY	
PH	HZ	VOLTS		MPS		START TYPE		OUTY	INSL	S.F.	AMB	ELEV.	
3	60/50	230/460#190/380	60/3	0&58/29		LINE OR INVERTER	1 (CONT	F	1.15	40	3300	
	F.L. EFF	91.7 3/4 LD EF	F	91.7		1/2 LD EFF	91.0	GTD EFF		ELECT	TYPE		
	F.L. PF	86.0 3/4 LD PF		82.0		1/2 LD PF	73.5	91.0		SQ CAGE I			
F.I	TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TORQUE	:	F.L. RISE (° C)		
37.0	LB-FT	181		65.0	LB-FT	176%	94.0	LB-FT	254%	55			
SOUND	PRESSURE @ 3	acuus sours		00 144443		**** 0 * 5 ******		TALL TIME		074070#10110	APROX.	MOTORIMOT	
7.5	FT.	SOUND POWER		OR WK²	30	MAX. LOAD WK ² LB-FT ²	20	STALL TIME SEC.	STARTS/HOUR		460	MOTOR WGT	
75	dBA	84 dBA	2.90	LB-FT ²	30	LB-F1	20 SEC.		2		460	LB.	
					*** 91	IPPLEMENTAL INFORM	ΛΤΙΩΝ **	*					
			MOUNT		- 30	TELMENTAL IN OKM		ARDOUS	DRIP				
DE B	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN	ENTATION SEVERE DUTY		LOCATION		COVER	SCREENS		PAINT	
S	TANDARD	STANDARD	RIGID	HORIZON	ONTAL PREMIUM SEVERE DUTY		ROOF CL I GR C&D CL II		II NO NONE		BLUE - RAL 5003 (EPOXY)		
	EARINGS	GREASE	SHAI	FT TYPE		SPECIAL DE	SPE	CIAL ODE	SHA	AFT MATERIAL	FR	AME MATERIAL	
DE	ODE												
BALL	BALL	POLYREX EM		TS		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6311	6210												
											SPAC	CE HEATERS	
	ERMOSTATS PROTECTORS WDG RTI						THERMISTORS		CONTROL				
TS	TATS (N/C)	NOT	N	IONE		NONE	1	NONE		FALSE		NA	
D.	(ohms/ph)	R2 (ohms/ph)	V1 (a	hms/ph)		V2 (ohmo/ph)	Vm (ohmo/nh)		/IBRATION (in/sec)	Т	FLOAT	
K	0.261	0.113		nms/pn)).826	X2 (ohms/ph) 0.864		Xm (ohms/ph) 24.381		0.080		ODE		
	0.201	0.110				0.004			1	5.000		JUL	
*													
N							1	INVERTER	TORQUE:	CONSTANT 10:1			
0	0					ı	NV. HP SPEED						
Т													
E								ENCODER:	NONE				
s								NONE					
*								NONE			NONE	PPR	
								BRAKE:			·		
	PREPARED BY:						1	NON	1E	NONE			
	DATE:	8/30/2021						FT-LB:		NA			
							L	VOLTAGE:	ALL DE	NONE AND COA	SEDTIFIES S	HZ:	
FORM: 3	531 REV_4	2/27/06					UL:	NO LETTER	- ALL BRAN	IDS-UL LISTED AND CSA	ERTIFIED D	IV. 1 XP MOTORS	

