PRODUCT INFORMATION PACKET

Model No: 825411.00 Catalog No: 825411.00 Explosion Proof Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 286T Frame, EPFC



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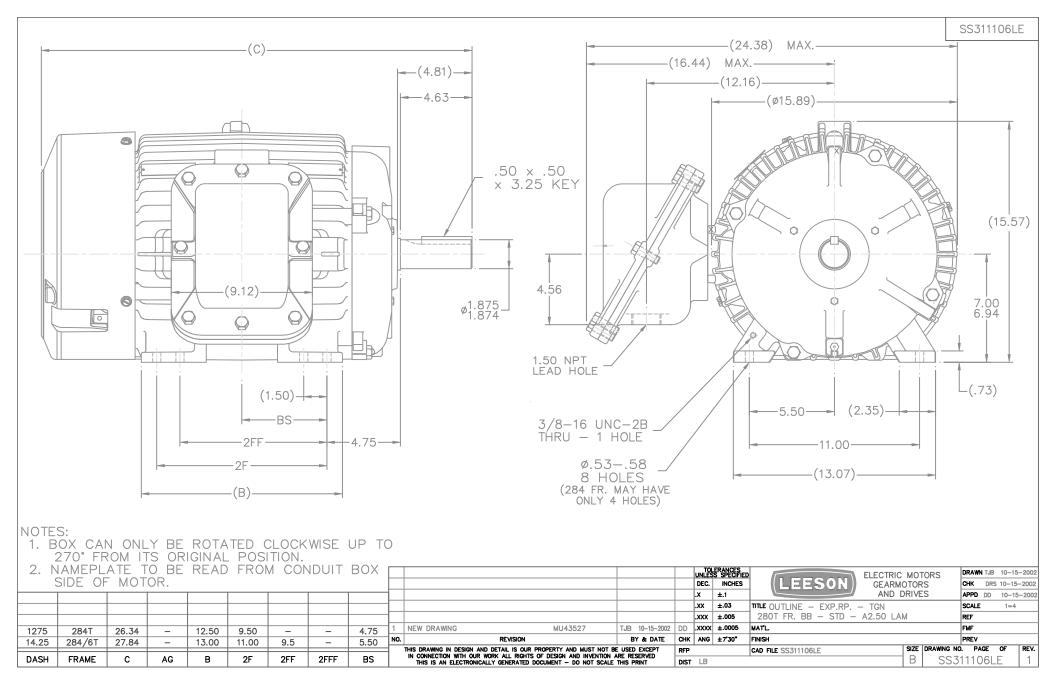
Nameplate Specifications

Output HP	20 Нр	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	53.5/26.8 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	286T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B	Number of Speeds	1

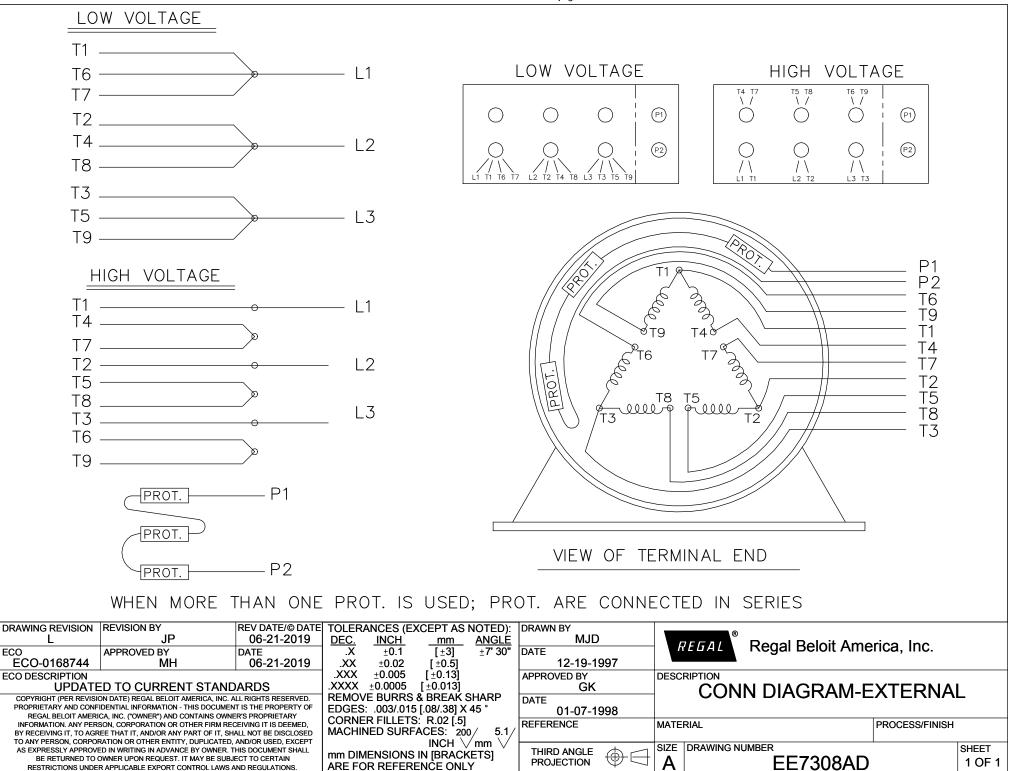
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.385 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	27.84 in
Frame Length	14.25 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS311106LE-1425	Connection Drawing	A-EE7308AD

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DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIA OUTLINE: WINDING:	:	A-EE7308/ B-SS31110 286654		NONE	6				CAT #:	825	411.00		
				т	YPICA	∟ мото	R PERFO	RMAN	CE DATA				
HP	кw	SYN	SYNC RPM FL R		RPM FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN	
20	14.9	1200		1175		2	286T TEFC		TFN	G		В	
PH	HZ		VOLTS					DUTY		INSL	S.F.	AMB	ELEV.
3			53.5/2	6.8	LINE OR	INVERTER	(CONT	F	1.15	40	3300	
F				3/4 LD EFF	91.7	1	1/2 LD EFF	91.7	GTD EFF		ELECT. TY	PE	
	F.L. PF	76.0		3/4 LD PF	70.5		1/2 LD PF	59.5	91.0		SQ CAGE INV I	RATED	
F.L. TO				460 V		L.R. TORQ	-		B.D. TORQ	-	F.L. RISE	(°C)	
89.0	LB-FT		145		157	LB-FT	176%	238	LB-FT	267%	60		
PRESSU	BE @ 3	PO	WER	ROTOR	WK ²	MAX. L	OAD WK ²	SAFE S	STALL TIME	STAR	rs/Hour	мот	OR WGT
	dBA		dBA		LB-FT ²	350	LB-FT ²	20	SEC.	0.7.1	2	-	LB.
				`	*** 0					1			
	CKET			MOUNT			SEVERE			DRIP		r	
DE BRACKET TYPE ODE E		ODE BRA	СКЕТ ТҮРЕ	TYPE			DUTY	LOCATION		COVER	SCREENS	PAINT	
STAND	STANDARD STANDARD		NDARD	RIGID			DF CL I GR C&D CL II GF NO NONE		BLUE (EPOXY)				
						1				1			
BEARI DE		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIAL	
BALL	ODE BALL					NONE			1045 HOT ROLLED (C-204)		CAST IRON		
6311	6210	POLY	REX EM	Т				NONE					
										I			
											SPACE		
THERMOSTATS			ECTORS	WDG R				RMISTORS	CONTROL		HEATERS		
TSTATS	S (N/C)	N	IOT	NON	IE	N	ONE	1	NONE	F	ALSE		NA
R1 (ohm	ns/nh)	B2 (ol	hms/ph)	X1 (ohm	s/nh)	X2 (o	hms/ph)	Xm (ohms/ph)	VIBRAT	ON (in/sec)	F	OAT
0.234		•	247	1.25			.273		19.213		. ,		
	-	-		-						-			-
0.20													
*													
* N											CONSTANT 10:	1	
* N O										ER TORQUE: EED RANGE:		1	
* N O T									INV. HP SP	EED RANGE:		1	
* N O										EED RANGE:		1	
* N O T E									INV. HP SP	EED RANGE:		1 NONE	PPR
* N O T E									INV. HP SP ENCODER: NONE	EED RANGE:	NONE	NONE	PPR
* N O T E									INV. HP SP ENCODER: NONE NONE BRAKE: NO	NONE NONE NONE	NONE	NONE	PPR
* N O T E	DATE:	1/30)/2018						INV. HP SP ENCODER: NONE NONE BRAKE:	NONE NONE NONE NONE	NONE	NONE	PPR HZ

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