PRODUCT INFORMATION PACKET



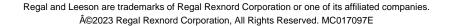
Model No: 825080.00

Catalog No: 825080.00

Explosion Proof Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,

284TSC Frame, EPFC









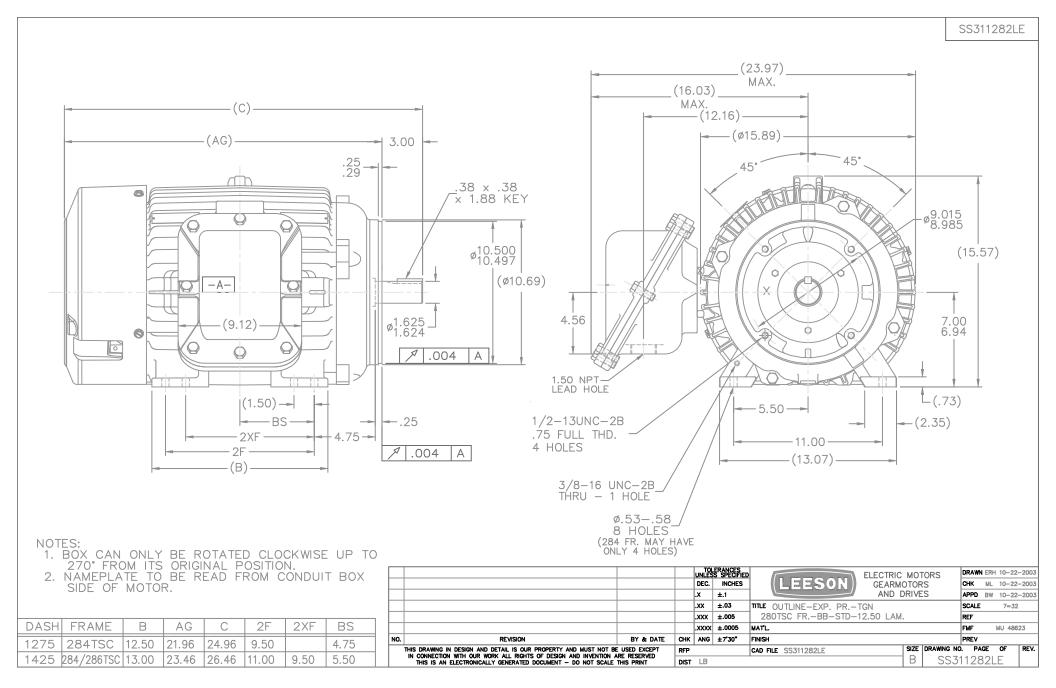
Nameplate Specifications

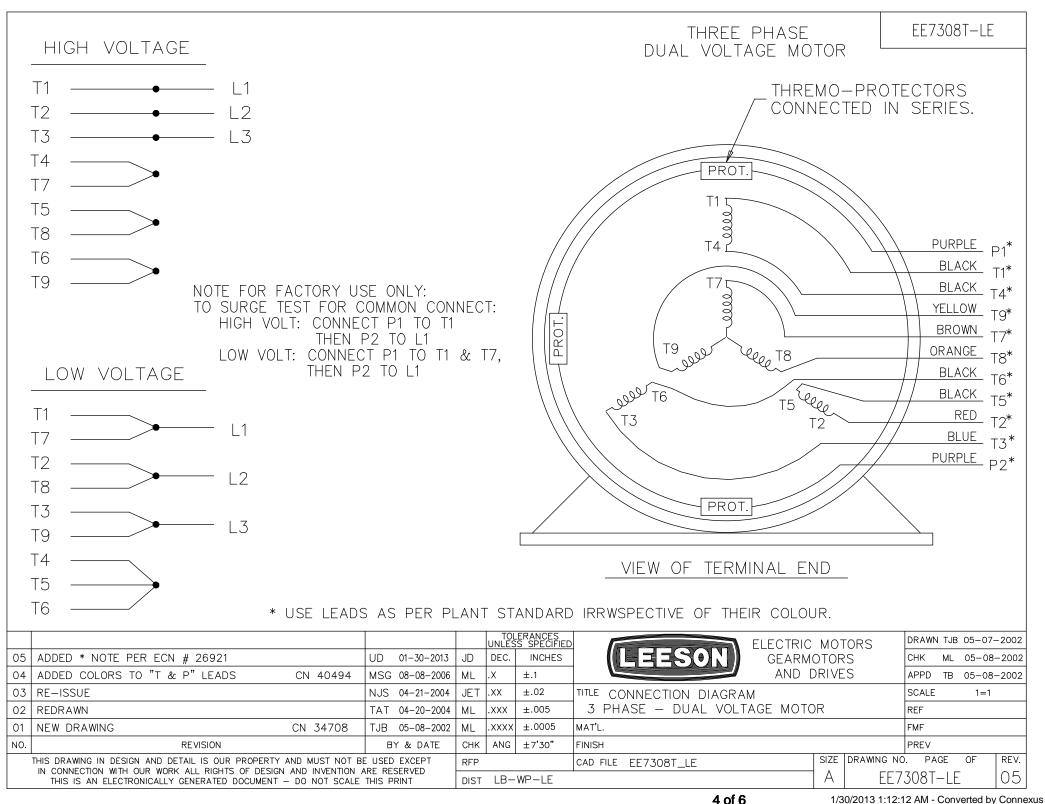
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	3558 & 2960 rpm	Service Factor	1.15 & 1.15
Frame	284TSC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	57.5/28.8 & 56/28 A	Power Factor	87.5
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	EXP PROOF CL I GR C&D CL II GR F&G T3B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0833 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	24.96 in
Frame Length	12.75 in	Shaft Diameter	1.625 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS311282LE-1275	Connection Drawing	EE7308T-LE

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CERTIFICATION DATA SHEET

1051 CHEYENNE AVE. GRAFTON, WI 53024 PH. 262-377-8810

CONN. DIAGRAM: A-EE7308T-LE CATALOG #: 825080.00

OUTLINE: B-SS311282LE-1275 MOUNTING: F1 ONLY

WINDING #: K284282 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	3600	3558&2960	284TSC	EPFC	G	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	57.5/28.8&56/28	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	93&92.4	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	87.5&88	3/4 LOAD PF:	84	1/2 LOAD PF:	76	92.4	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L,R,	TORQUE	B.D. TORQUE			F.L. RISE°C
37 LB-FT	364 / 182	50 LB -	- FT 135 %	103	LB-FT	278 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	2.3 LB-FT^2	32 LB-FT^2	20 SEC.	2	400 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEAR	ARINGS		INGS		CHAFT TYPE CRECTAL RE		SPECIAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL		
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT DOLLED (C 204)	CAST IRON		
6311	6210	POLTREX EM	15	NONE	NONE	1045 HOT ROLLED (C-204)	CASTIRON		

	THERMISTORS	CONTROL	SDACE I	JEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL SPACE HEATERS		TEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE Ν **ENCODER:** NONE NONE NONE 0 NONE PPR NONE Т BRAKE: NONE NONE P/N NONE NONE Ε NONE NONE FT-LB NONE V NONE HZ

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