# PRODUCT INFORMATION PACKET



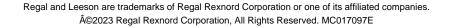
Model No: 825082.00

Catalog No: 825082.00

Explosion Proof Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,

286TC Frame, EPFC









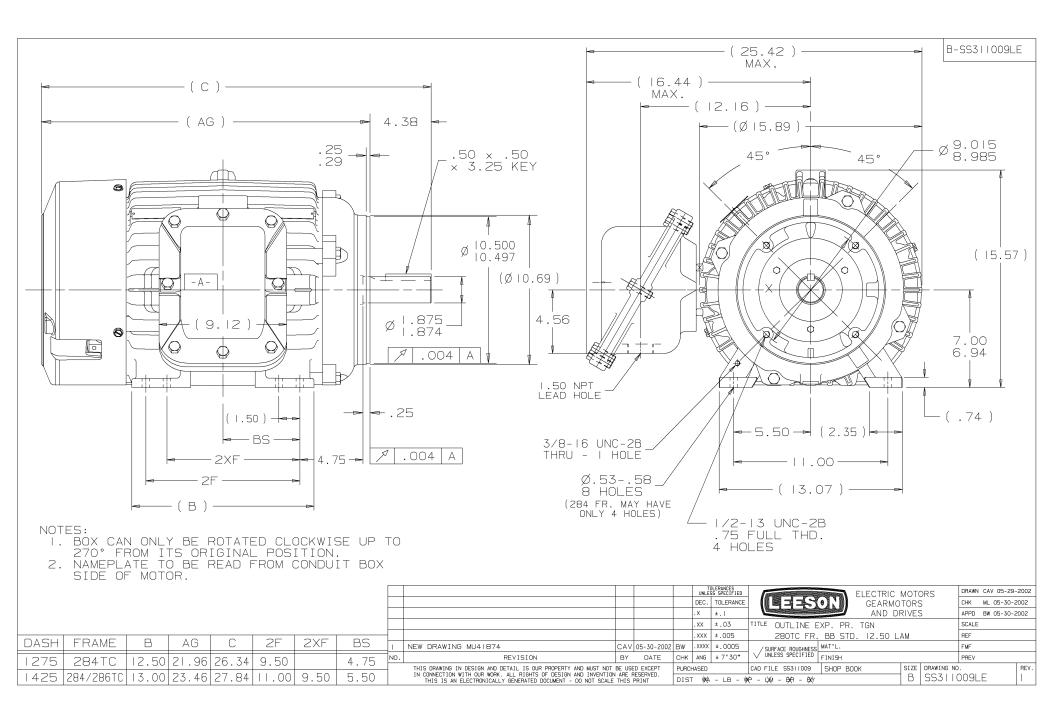
## Nameplate Specifications

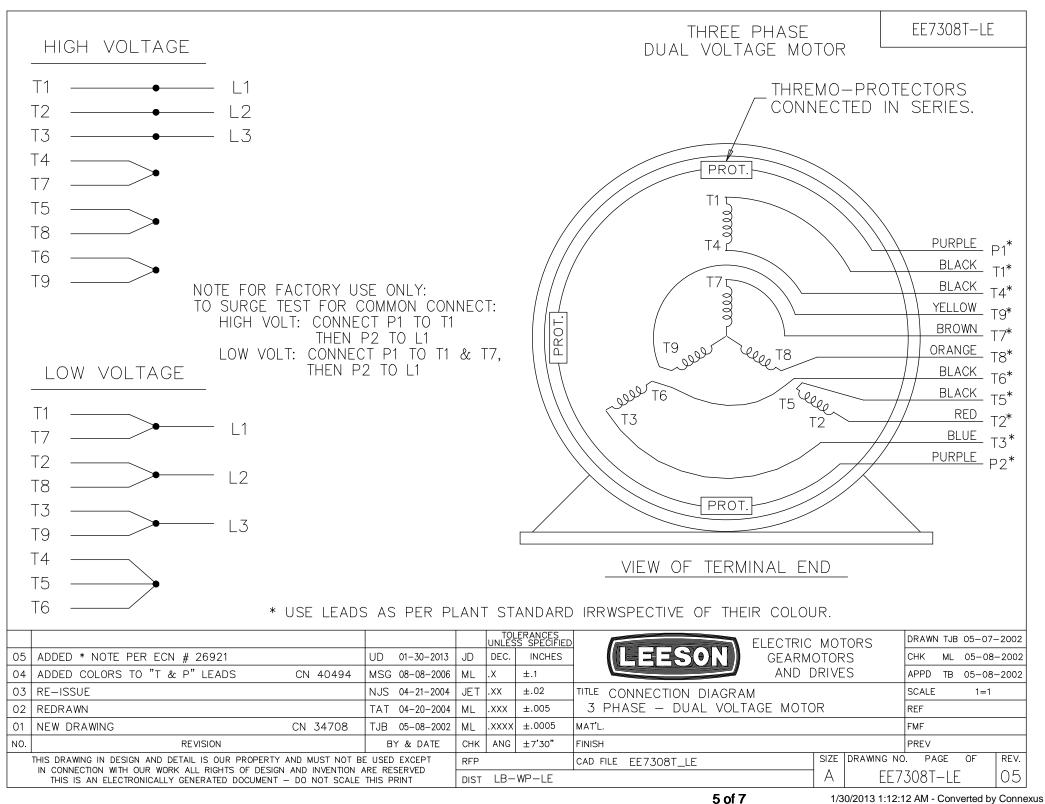
Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	230/460 & 190/380 V
Speed	1773 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	286TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	73/36.5 & 74/37 A	Power Factor	82
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	4	Rotation	Reversible	
Resistance Main	.205 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	SS311009LE-1425	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 #:** 825082.00

**OUTLINE:** B-SS311009LE-1425

MOUNTING: F1 ONLY

**WINDING #:** K2864159 6

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30&25	22.4&18.7	1800	1773&1475	286TC	EPFC	G	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	73/36.5&74/37	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	94.1&93.6	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	82&81.5	3/4 LOAD PF:	77	1/2 LOAD PF:	67.5	93.6	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
89 <b>LB-FT</b>	434 / 217	165 <b>LB-FT</b> 185 %	245 <b>LB-FT</b> 275 %	60

SOUND PRESSURE @ 3 FT.		SOUND	POWER	ROTO	DR WK^2	МАХ	. WK^2	SAFE ST	TALL TIME	STARTS / HOUR	APP MOTO	ROX. R WGT
65 <b>dBA</b>		75	dBA	4.6	LB-FT^2	225	LB-FT^2	25	SEC.	2	540	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	EARINGS GREASE		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFITYPE	SPECIAL DE	SPECIAL ODE	MATERIAL MATERIAL	
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT DOLLED (C 204)	CAST IRON
6311	6210	POLTREX EM		NONE	NONE	1045 HOT ROLLED (C-204)	CASTIRON

	THERMO-PROTECT	ORS		THERMISTORS	SDACE I	JEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	CONTROL SPACE HEA	
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

