PRODUCT INFORMATION PACKET



Model No: 825081.00 Catalog No: 825081.00

Explosion Proof Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,

284TC Frame, EPFC



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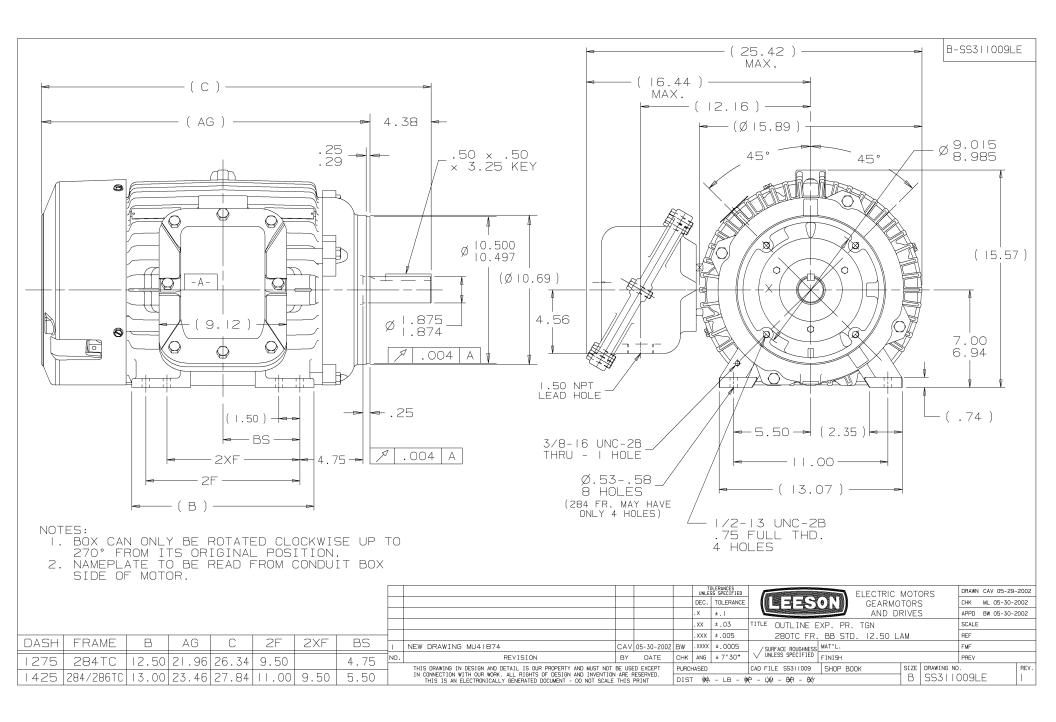
Nameplate Specifications

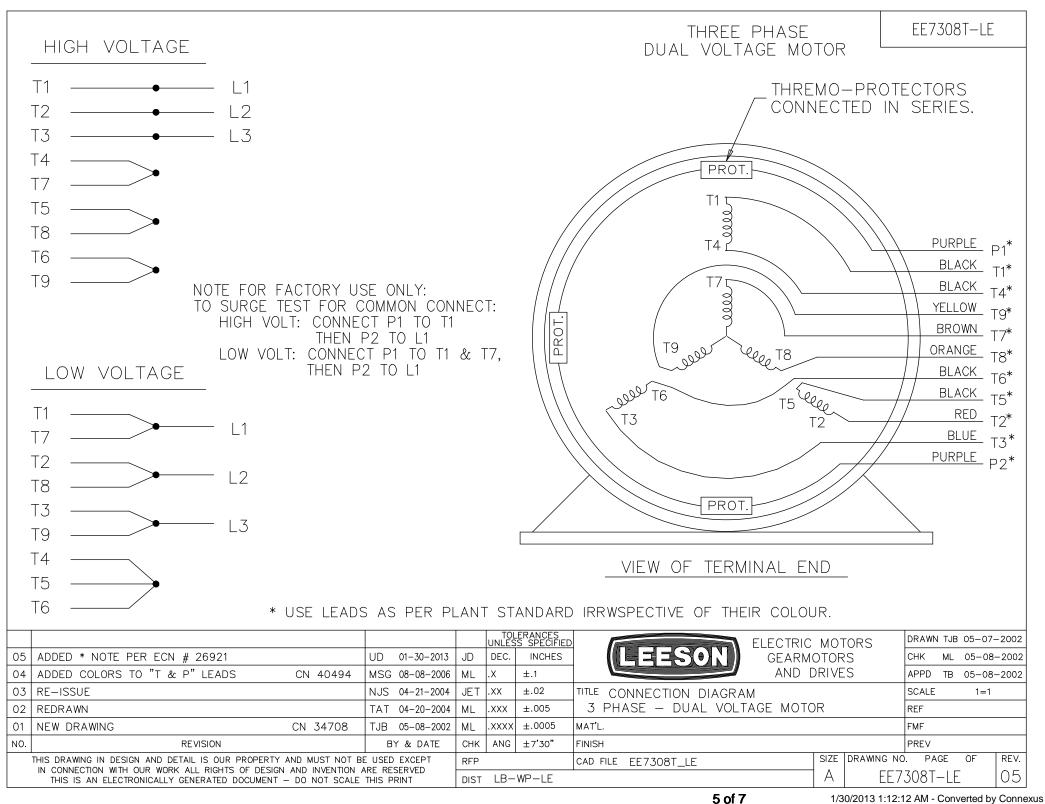
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	1774 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	284TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	93.6 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	62/31 & 60/30 A	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	311	Opp Drive End Bearing Size	210
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	.251 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	26.34 in	
Frame Length	12.75 in	Shaft Diameter	1.875 in	
Shaft Extension	4.62 in	Assembly/Box Mounting	F1 ONLY	
Inverter Load	CONSTANT 10:1			
Connection Drawing	EE7308T-LE	Outline Drawing	SS311009LE-1275	

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CERTIFICATION DATA SHEET

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

CATALOG #: 825081.00

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: B-SS311009LE-1275

MOUNTING: F1 ONLY

WINDING #: K2844120 6

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	1800	1774&1470	284TC	EPFC	G	В

TYPICAL MOTOR PERFORMANCE DATA

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	62/31&60/30	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	93.6&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	81&81	3/4 LOAD PF:	75	1/2 LOAD PF:	65	92.4	SQ CAGE INV RATED

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORG	F.L. RISE°C	
74 LB-FT	362 / 181	140	LB-FT	189 %	215	LB-FT	291 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	4.2 LB-FT^2	175 LB-FT^2	25 SEC.	2	475 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	BEARINGS GREASE		CHAFT TYPE	CDECTAL DE	CDECTAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL MATERIAL		
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	
311	210	POLIKEX EM	l	NONE	NONE	1045 HOT KOLLED (C-204)	CASTIRON	

	THERMO-PROTECTORS			THERMISTORS	CONTROL	CDACE I	HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE	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

