PRODUCT INFORMATION PACKET



Model No: 825086.00 Catalog No: 825086.00

Explosion Proof Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,

184T Frame, EPFC



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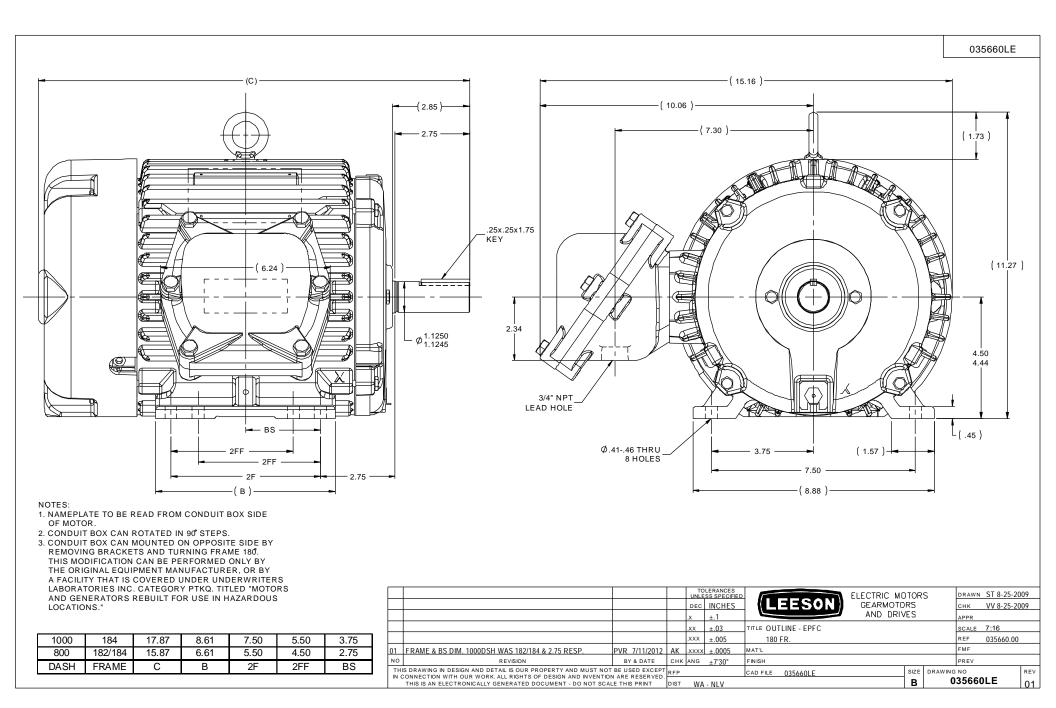
Nameplate Specifications

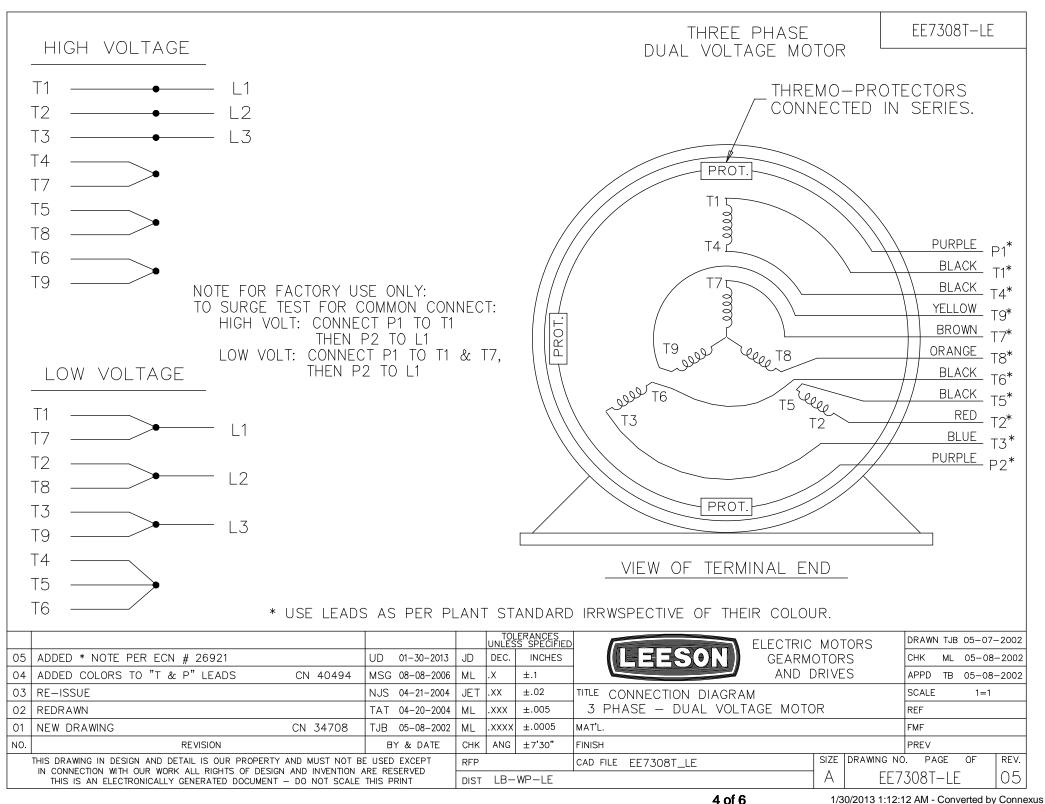
Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	3505 & 2930 rpm	Service Factor	1.15 & 1.15
Frame	184T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	88.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	11.8/5.9 & 9.4/4.7 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	J
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6206
UL	UL Listed; also, UL Certified for Canada	CSA	N
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	2.32 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	17.87 in
Frame Length	10.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035660LE-1000	Connection Drawing	A-EE7308T-LE

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

CATALOG #: 825086.00

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: 035660LE-1000 MOUNTING: F1 ONLY

WINDING #: 1842180 FN 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.70&2.24	3600	3505&2910	184T	EPFC	J	В

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	230/460&190/380	11.8/5.9&9.4/4.7	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	88.5&88.5	3/4 LOAD EFF:	89	1/2 LOAD EFF:	88.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	88.5&86	3/4 LOAD PF:	85.5	1/2 LOAD PF:	77.5	86.5	SQ CAGE INV RATED

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORQUE		
7.5 LB-FT	90 / 45	15.7	LB-FT	209 %	24.2	LB-FT	323 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.3 LB-FT^2	5 LB-FT^2	15 SEC.	2	125 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEAR	INGS	GREASE	SHAFT TYPE	CDECTAL DE	CIAL DE SPECIAL ODE SHAFT		FRAME
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	DOLVDEV EM	LYREX EM T NON		NONE	1144 STRESSPROOF (C-223)	CAST IRON
6206	6206	POLTREX EM			NONE	1144 31RE33PROOF (C-223)	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 BRAKE: NONE NONE Т P/N NONE NONE Е NONE NONE NONE FT-LB NONE V NONE HZ

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