PRODUCT INFORMATION PACKET



Model No: 825085.00 Catalog No: 825085.00

Explosion Proof Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,

182T Frame, EPFC



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





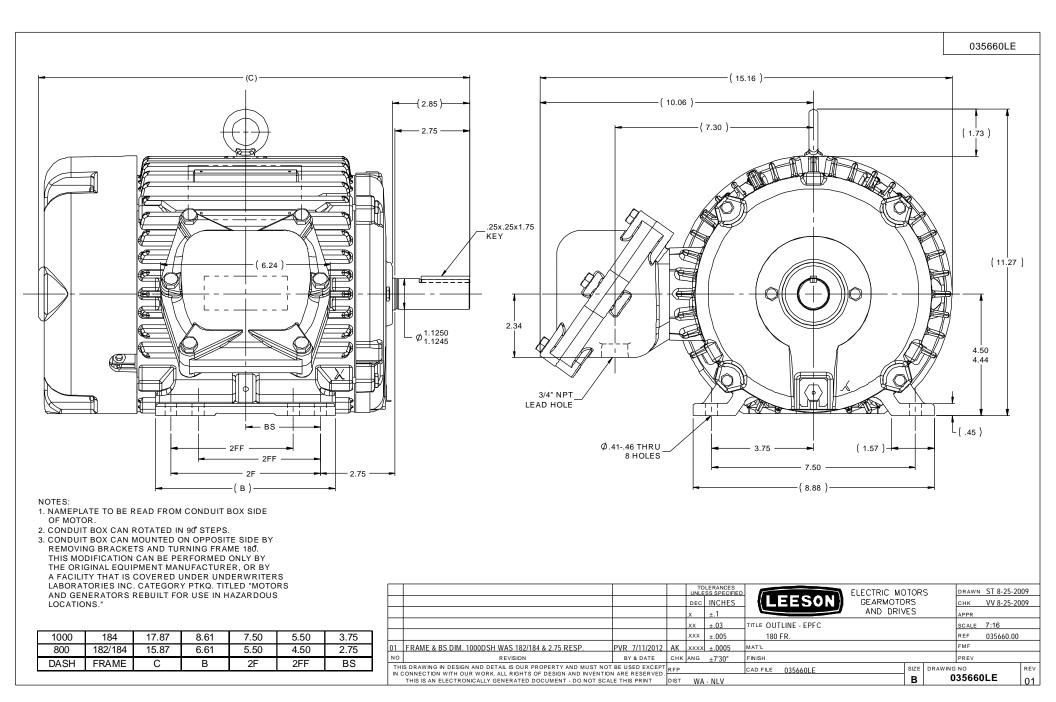
Nameplate Specifications

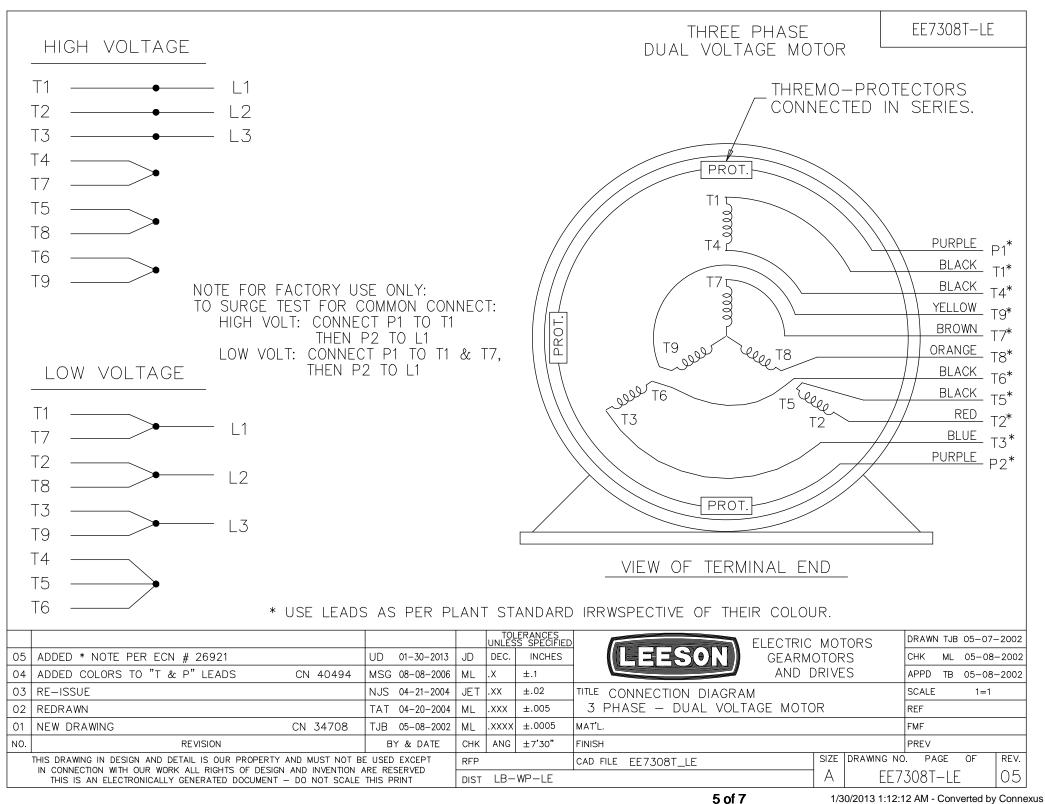
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	182T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	90.2 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	8/4 & 6.8/3.4 A	Power Factor	80
Duty	Continuous	Insulation Class	В
Design Code	В	KVA Code	κ
Drive End Bearing Size	206	Opp Drive End Bearing Size	206
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	4	Rotation	Reversible	
Resistance Main	3.76 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	15.87 in	
Frame Length	8.00 in	Shaft Diameter	1.125 in	
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 Only	
Inverter Load	CONSTANT 10:1			
Connection Drawing	A-EE7308T-LE	Outline Drawing	035660LE-800	

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023







CERTIFICATION DATA SHEET

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

CATALOG #:825085.00

CONN. DIAGRAM: A-EE7308T-LE

MOUNTING: F1 ONLY

OUTLINE: 035660LE-800

WINDING #: K1824116 R1 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&2	2.24&1.49	1800	1765&1470	182T	EPFC	K	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60/50	230/460&190/380	8/4&6.8/3.4	LINE OR INVERTER	CONTINUOUS	В3	1.15/1.15	40

FULL LOAD EFF:	90.2&88.5	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	89.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	80&76	3/4 LOAD PF:	75	1/2 LOAD PF:	63	89.5	SQ CAGE INV RATED

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	64 / 32	22.5 LB-FT 250 %	35 LB-FT 389 %	30

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX, WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.4 LB-FT^2	40 LB-FT^2	25 SEC.	2	95 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	SEVERE HAZARDOUS I DUTY LOCATION C		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	RINGS GREASE S		SHAFT TYPE	SPECIAL DE	CDECTAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON
206	206	POLIKEX EM	ı	NONE	NONE	1144 STRESSPROOF (C-223)	CASTIRON

	THERMISTORS	CONTROL	CDACE I	HEATERS			
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 NONE FT-LB NONE V NONE Hz

