PRODUCT INFORMATION PACKET



Model No: 825101.00 Catalog No: 825101.00

Explosion Proof Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,

324T 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





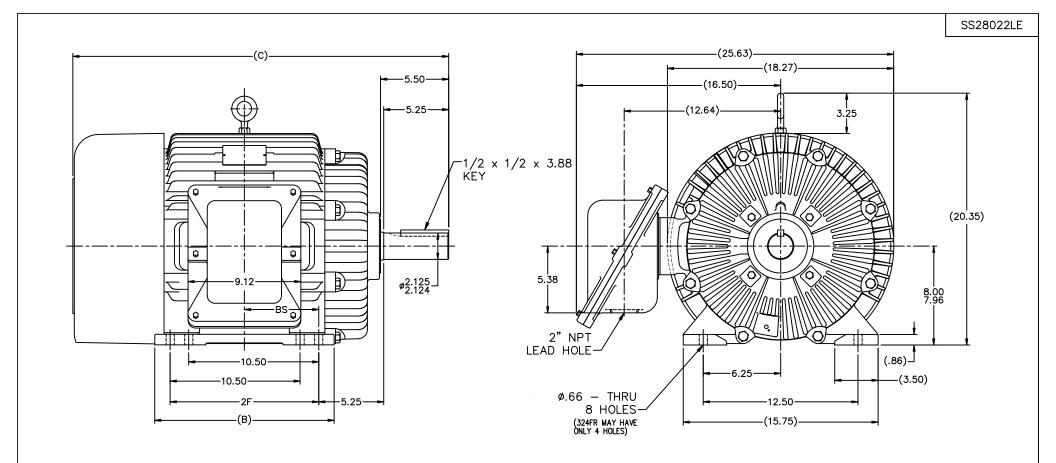
Nameplate Specifications

Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	324T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	94.1 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	95/47.5 & 87/43.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	312	Opp Drive End Bearing Size	311
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

Poles4RotationReversibleResistance Main.135 OhmsMountingRigid BaseMotor OrientationHorizontalDrive End BearingBallOpp Drive End BearingBallFrame MaterialCast IronShaft TypeTOverall Length30.37 in	
Motor Orientation Horizontal Drive End Bearing Ball Opp Drive End Bearing Ball Frame Material Cast Iron	
Opp Drive End Bearing Ball Frame Material Cast Iron	
Shaft Type T Overall Length 30.37 in	
Frame Length 13.00 in Shaft Diameter 2.125 in	
Shaft Extension 5.25 in Assembly/Box Mounting F1 ONLY	
Outline Drawing B-SS28022LE-1300 Connection Drawing A-EE7308T-LE	

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

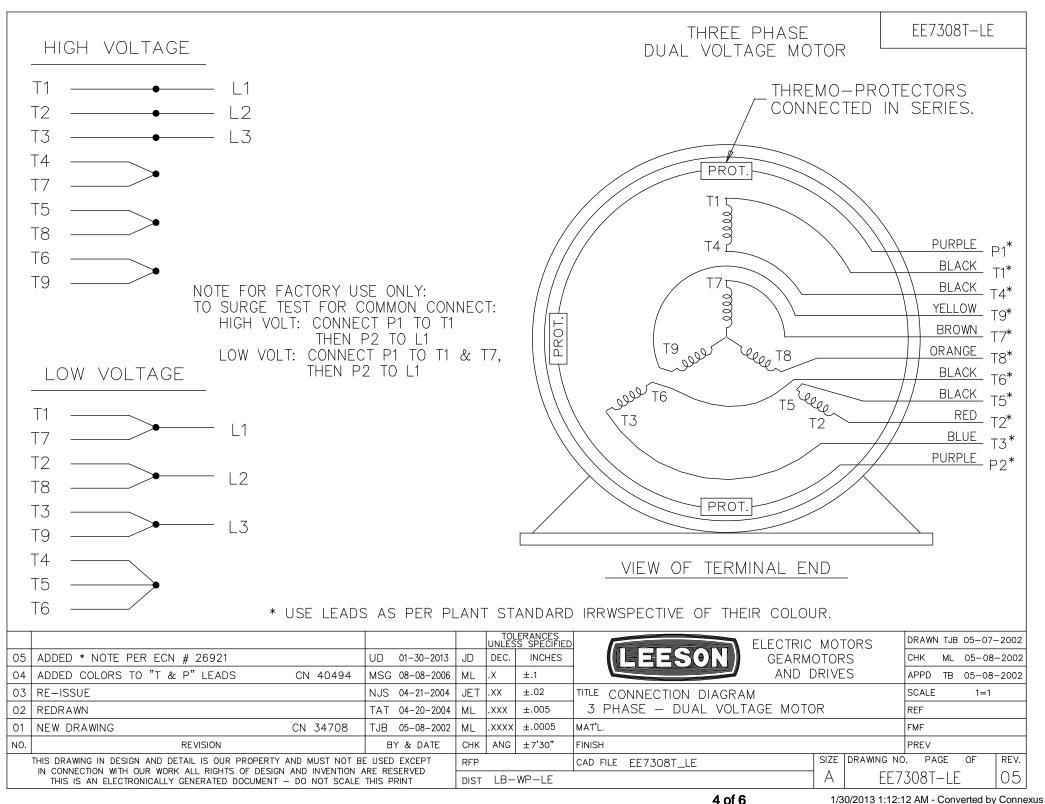


NOTES:

- 1. BOX CAN BE ROTATED IN 90° STEPS
- 2. NAMEPLATE TO BE READ FROM CONDUIT BOX PAD SIDE OF MOTOR

DASH	FR.	С	В	BS	2F
1150	324T	28.87	13.00	5.25	10.50
1300	324/326T	30.37	14.50	6.00	12.00

Γ					TOL	ERANCES S SPECIFIED	ELEOTRIC	LIOTODO	DRAWN	EDK 01-10	0-2011
t					DEC.	INCHES	LEESON GEARM	MOTORS OTORS	СНК	MH 01-10	
Γ					.x	±.1		DRIVES	APPD	MJS 01-10	0-2011
					.xx	±.03	TITLE OUTLINE		SCALE	1=5	,
Γ					.xxx	±.005	320T FR. — BB — TS — EXP. P	R.	REF		
					.XXXX ±.0005 MAT'L.				FMF	MU1001	145
	NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH		PREV		
Γ				RFP	01-	-10-2011	CAD FILE SS28022LE	SIZE DRAWING NO			REV.
		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT						1B SS2	802	2LE	





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

CATALOG #: 825101.00

CONN. DIAGRAM: A-EE7308T-LE

#:

OUTLINE: B-SS28022LE-1300

MOUNTING: F1 ONLY

WINDING #: K3244127 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30.0&22.4	1800	1780&1480	324T	EPFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	230/460&190/380	95/47.5&87/43.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

FULL LOAD EFF:	94.1&94.1	3/4 LOAD EFF:	94.5	1/2 LOAD EFF:	94.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83&82	3/4 LOAD PF:	79.5	1/2 LOAD PF:	71	93.6	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L _i R _i TORQ	B.D. TORQUE			F.L. RISE°C	
118 LB-FT	580 / 290	218 LB-FT	185 %	305	LB-FT	258 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	8.8 LB-FT^2	275 LB-FT^2	25 SEC.	2	700 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	CDECTAL DE	SPECIAL ODE	SHAFT	FRAME
DE	ODE	GREASE	SHAFI ITPE	YPE SPECIAL DE SPECIAL		MATERIAL	MATERIAL
BALL	BALL	DOLVDEY EM	T	NONE	NONE	1045 HOT BOLLED (C 204)	CACT IDON
312	311 POLYREX EM		'	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

	THERMO-PROTECT	THERMISTORS	CONTROL	SPACE HEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	INERMISIONS	CONTROL	SPACE REALERS	
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 NONE P/N NONE Ε NONE NONE

5 of 6 8/6/2018

