PRODUCT INFORMATION PACKET

Model No: 825083.00 Catalog No: 825083.00 Explosion Proof Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 324TC Frame, EPFC



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





Product Information Packet: Model No: 825083.00, Catalog No:825083.00 Explosion Proof Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 324TC Frame, EPFC

LEESON

Nameplate Specifications

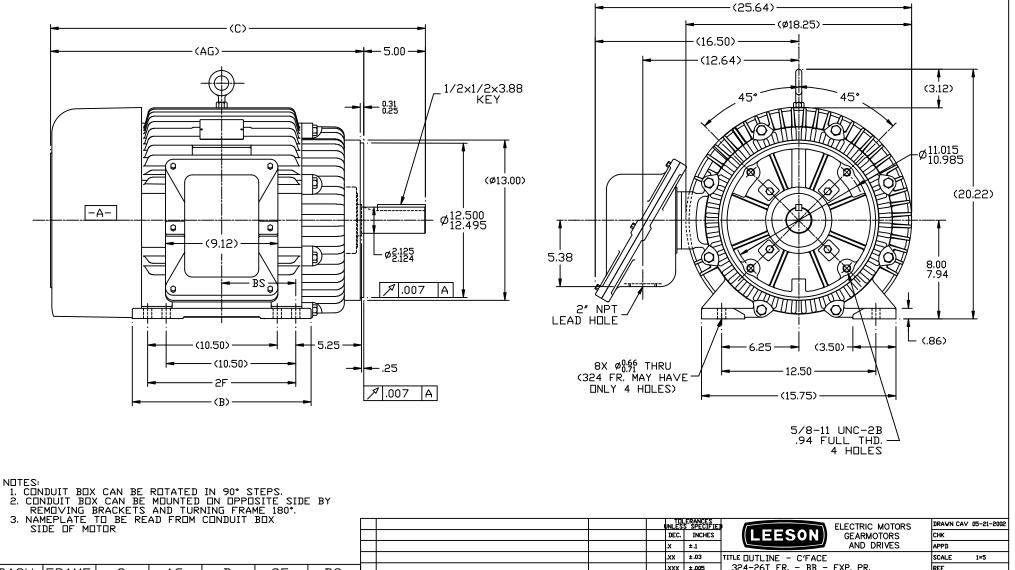
Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	324TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	94.1 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	95/47.5 & 87/43.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	UL Listed And CSA Certified	CSA	Y
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	.135 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	30.37 in
Frame Length	13.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308T-LE	Outline Drawing	SS28696LE-1300

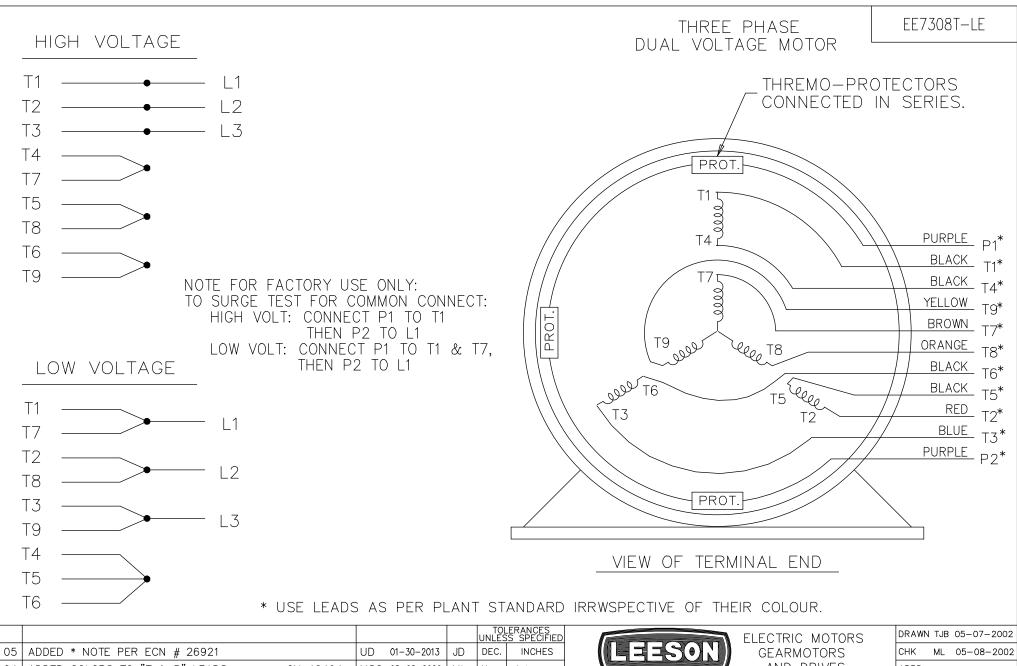
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023

SS58696LE



											.^^	1.03	UTILINE - CTACE		SCALE 1=:	3
DASH	FRAME		AG	B	25	BC					.xxx	±.005	324-26T FR BB - EXP. PR.		REF	
		C				13	1	NEW DRAWING MU41877	CAV		.xxxx	±.0005	MAT'L.		FMF	
1150	324T	28,87	23,87	13.00	10.50	5 25	ND.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH		PREV	
								IS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NOT		RFP			CAD FILE SS28696	SIZE DRAWING N		REV.
1300	324/6T	30.37	25.37	14.50	12.00	6.00		N CONNECTION WITH DUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE		DIST	LB			B SS2	28696LE	1

3 of 6



	"							
0	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.х	±.1	AND DRIVES	APPD TB 05-08-	-2002
0	03 RE-ISSUE	NJS 04-21-2004	JET	.xx	±.02	TITLE CONNECTION DIAGRAM	SCALE 1=1	
0	2 REDRAWN	TAT 04-20-2004	ML	.xxx	±.005	3 PHASE – DUAL VOLTAGE MOTOR	REF	
0	1 NEW DRAWING CN 34708	TJB 05-08-2002	ML	.xxxx	±.0005	MAT'L.	FMF	
N	0. REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH	PREV	
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE		RFP			CAD FILE EE7308T_LE SIZE DRAWING N		REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION AF THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE T		DIST	LB–	WP-LE	A EE7	7308T-LE	05

4 of 6

1/30/2013 1:12:12 AM - Converted by Connexus

Uncontrolled Copy



2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308T-LE

OUTLINE: B-SS28696LE-1300

CATALOG #: 825083.00

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	324TC	EPFC	G	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
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	F.L. TORQUE LOCKED R		LOCKED ROTOR AMPS		L.R. TORQ	ĮUE		B.D. TORC	QUE	F.L. RISE°C
1	18 LB	-FT	580 / 290	218	LB-FT	185 %	305	LB-FT	258 %	65

SOUND PRESSURE @ 3 FT.	SOUND	POWER	ROT	DR WK^2	мах	(. WK^2	SAFE ST	TALL TIME	STARTS / HOUR	АРР МОТО	ROX. R 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
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEAR	RINGS	CREACE				SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL		т	NONE	NONE		CAST IRON	
6312	2 6311 POLYREX EM		I	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	THE	RMO-PROTECT	ORS		тие	RMISTORS	CONTROL	SPACE HEATERS	
THERMOSTA	TS P	ROTECTORS	WDG RTDs	BRG RTDs		RMISTORS	CONTROL	SPACE	TEATERS
TSTATS (N/	C)	NOT	NONE	NONE		NONE	FALSE	NONE	VOLTS
*						R TORQUE: SPEED RANG		10:1	
Ν				Ī	ENCODE	R: NONE			
0					NONE NONE	NONE NONE	PPR		
т					BRAKE:	NONE	NONE		
_					NONE	P/N NON	IE		
E					NONE	NONE			
S					FT-LB	NONE	V NONE	Hz	

Uncontrolled Copy

