PRODUCT INFORMATION PACKET

Model No: 810011.00 Catalog No: 810011.00 Encoder Motors, TEBC - Axial, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1765 RPM, 284TC Frame



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: 810011.00, Catalog No:810011.00 Encoder Motors, TEBC - Axial, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1765 RPM, 284TC Frame

Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	63.0/31.5 A	Speed	1765 rpm
Service Factor	1	Phase	3
Efficiency	91.7 %	Power Factor	82
Duty	Continuous	Insulation Class	н
Design Code	INV	KVA Code	G
Frame	284TC	Enclosure	Totally Enclosed Blower cooled - Axial
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.325 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	37.81 in
Frame Length	12.75 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Connection Drawing	A-EE7308T-LE	Outline Drawing	B-SS311263LE-1275

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:05/18/2022

SIZE

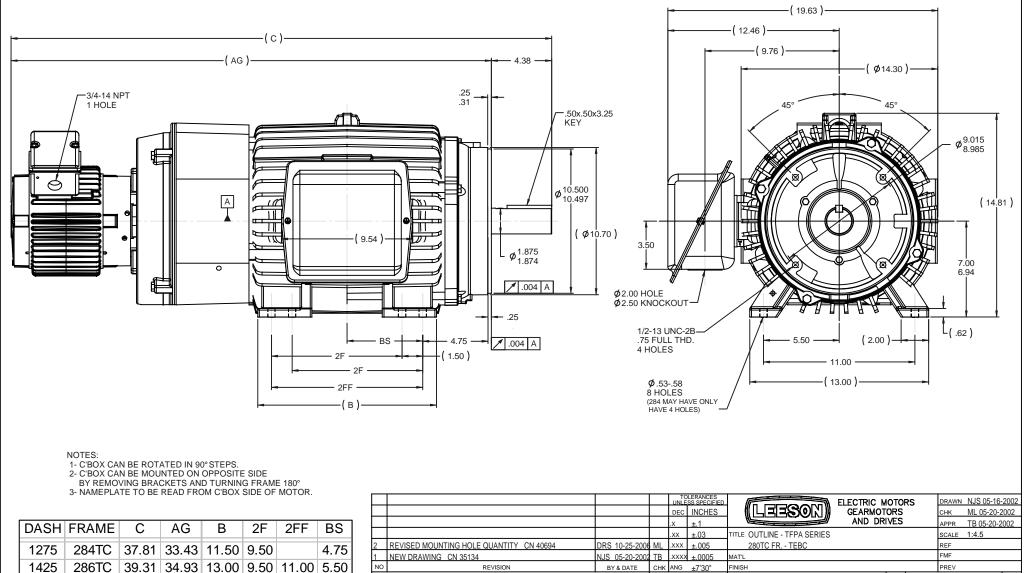
в

DRAWING NO

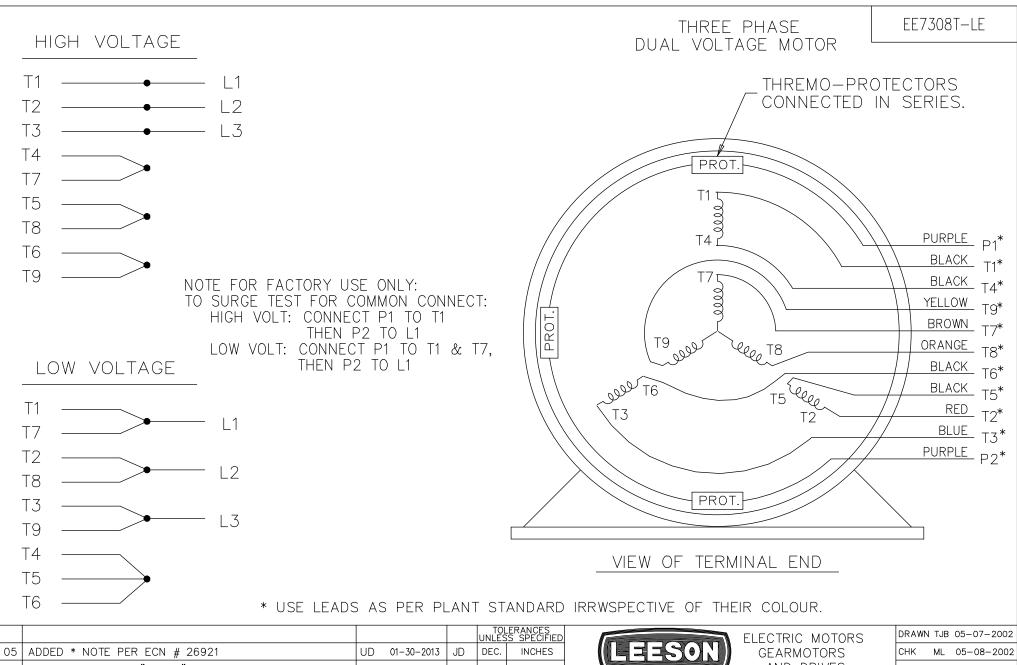
SS311263LE

REV

2



				(±.03	TILE OUTLINE - TEPA SERIES
	4.75	2	REVISED MOUNTING HOLE QUANTITY CN 40694	DRS 10-25-2006	ML	.xxx	±.005	280TC FR TEBC
	4.75	1	NEW DRAWING CN 35134	NJS 05-20-2002	ТВ	.xxxx	±.0005	MAT'L
1.00	5.50	NO	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH
			S DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT E CONNECTION WITH OUR WORK, ALL RIGHTS OF DESIGN AND INVENTION		RFP			CAD FILE SS311263LE
		INC	THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE		DIST	ID		



05	ADDED * NUTE PER ECN # 20921	00 01-30-2013	JD	DEC.	INCHES		CHK ML	05-06-2002
04	ADDED COLORS TO "T & P" LEADS CN 40494	MSG 08-08-2006	ML	.X	±.1	AND DRIVES	APPD TB	05-08-2002
03	RE-ISSUE	NJS 04-21-2004	JET	.xx	±.02	TITLE CONNECTION DIAGRAM	SCALE	1=1
02	REDRAWN	TAT 04-20-2004	ML	.xxx	±.005	3 PHASE – DUAL VOLTAGE MOTOR	REF	
01	NEW DRAWING CN 34708	TJB 05-08-2002	ML	.xxxx	±.0005	MAT'L.	FMF	
NO.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH	PREV	
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT B		RFP			CAD FILE EE7308T_LE SIZE DRAWING NO		
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION , THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE		DIST	LB–	WP-LE	A EE7	<u>308T-LE</u>	E 05

5 of 7

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

Uncontrolled Copy



P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DI OUTLINE: WINDING:	:	A-EE7308T-I B-SS311263 K2564204		F	1				CAT #:	810	0011.00		
			,	Т	YPICAL	мото	R PERFO	RMAN	CE DATA	-			
HP	ĸw	SYNC	FL RI	РМ	FR	AME	ENC	LOSURE	TYPE	KVA CO	DE	DESIGN	
25	18.7	180	00	1765 284TC			TEBC	TBP	G		INF		
PH	HZ	VOL	TS	AMP	s	STAR	T TYPE	ſ	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/4	160	63/31	.5	INVERT	ER ONLY	(CONT	Н	1.15	40	3300
	F.L. EFF	91.7		3/4 LD EFF	92.4		1/2 LD EFF	91.0	GTD EFF	1	ELECT. TY	PE	
	F.L. PF	82.0		3/4 LD PF	75.5		1/2 LD PF	65.0	90.2		SQ CAGE INV		
												(0.0)	r
F.L. TO 74.4	RQUE LB-FT	LR	AMPS @ - 182	460 V	147	L.R. TORQ LB-FT	UE 198%	195	B.D. TORQ LB-FT	262%	F.L. RISE 65	(°C)	
/4.4	LD-FI		102		147		190 /0	195		202 /0	05		
PRESSU	RE @ 3	POW	ER	ROTOR	WK ²	MAX. L	OAD WK ²	SAFE S	STALL TIME	STAR	TS/HOUR	MOTOR WGT	
75	75 dBA 84 dBA		2.70	LB-FT ²	0	LB-FT ²	0	SEC.		0	500	LB.	
					*** SI		ENTAL INFO	RMATI	ON ***				
DE BRA	CKET			MOUNT		TOR	SEVERE		ARDOUS	DRIP			
TYF		ODE BRACH		TYPE	ORIENTATION		DUTY	LOCATION		COVER	SCREENS	PAINT	
C-FA	CE	ENCO	DER	RIGID	HORIZ	ONTAL	NO	1	NONE	NO	NONE	JE - LEE	SON (ENA
BEAR	INGS												
DE	ODE	GRE/	ASE	SHAFT	ТҮРЕ	SPEC	CIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAME MATERIA	
BALL	BALL	POLYRE	EX EM	т		N	ONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6311	6210						-				- ()		
												S	PACE
THERMO		PROTEC		WDG RTD's BRG RTD's				RMISTORS		CONTROL		HEATERS	
TSTATS	S (N/C)	NO	Т	NON	IE	N	ONE	١	NONE	F	ALSE		NA
R1 (ohn	ns/ph)	R2 (ohn	ns/ph)	X1 (ohm	is/ph)	X2 (ol	hms/ph)	Xm (ohms/ph)	VIBRAT	ION (in/sec)	F	LOAT
0.22	27	0.17	78	0.80	7	1.	.098	1	8.582	(0.150		ODE
*													
N									INVERT	ER TORQUE:	CONSTANT 20	00:1	
ο									INV. HP SP	EED RANGE:	1.5 X BASE SPI	EED	
т													
Е										NORTHSTAF	3		
S *									ST56 NONE			NONE	000
									BRAKE:	NONE		NUNE	FFN
										DNE	NONE		
	DATE:	1/19/2	2018						FT-LB:		NA		
									VOLTAGE:		IONE		HZ
								UL:	Y-(LEESON	JL REC)			

Uncontrolled Copy

	Date	: 1/19	/2018		Data S	neel			810011.0)		
Normet Annagi Normet Annagi <th co<="" th=""><th></th><th></th><th></th><th></th><th></th><th>SON</th><th></th><th></th><th>· · · · · ·</th><th></th><th>•</th></th>	<th></th> <th></th> <th></th> <th></th> <th></th> <th>SON</th> <th></th> <th></th> <th>· · · · · ·</th> <th></th> <th>•</th>						SON			· · · · · ·		•
ast 0% 20% 9% 10% 11% <th11%< th=""> <th11%< th=""> <th11%< th=""></th11%<></th11%<></th11%<>					Moto	r Load Data	®		Da	ta @ 460	v	
Space (Heb) 0.00 11.5 37.0 95.5 74.4 94.0 95.5 147.7 Theome (v) 0.00 11.5 37.0 95.5 74.4 94.0 95.5 147.7 Theome (v) 0.0 0.05 94.0 95.7 134.4 91.0 0 Theome (v) 0.0 0.05 94.0 95.7 134.4 91.0 0 Theome (v) 0.0 10.0 10.0 10.0 10.0 10.0 10.0 Speed (1PM) 0.1 Part (Heb) 0.0 Part (Heb) 0.0 Part (Heb) 0.0 10.0	bad	0%	25%	50%			115%	125%	LR			
PM 1700 1775 1775 1775 1785 1780 0 F.(%) 0.0 95.5 91.0 92.4 91.7 1785 1780 0 0 Motor Speed Date Unred (Date) 0 000 105 115 1000 Provide												
Titlenery (v) 8.5 91.0 92.4 91.7 91.4 91.0 95.5 Motor Speed Data motor Speed Data <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												
F. (h) 6.0 43.0 65.0 75.5 82.0 82.3 82.5 39.5 Moto Speed Date Information Block Information Block Information Block Information Block Information Block Information Block Image (Hbb) 14.0 158 7.4.4 0.00 Synt. FIPA 158.0 Information Block Image (Hbb) 14.0 14.0 198 7.4.4 0.00 Synt. FIPA 158.0 Image (Hbb) 14.7 14.0 198 Carrent (Anne) 45.0 11.5 11.		1800							0			
Motor Speed Data Image (RPM) UR Put-Up BD Reted Isio Imormation Block pred (RPM) 182 105 175 140 19 Pred (RPM) 1800 Pred (RPM)		6.0							39.5			
LR Pull-Up BD Reted Isle 000 1025 1775 1800 197 190 25.0 repert (He) 142 140 195 7.4.4 0.00 Byre. FIPM 1800 100.0	. ,										1	
Description 0 900 1265 1765 1800 Hormation Block regular (Hubp) 147 160 196 74.4 0.00 Sync. PPM 1900 100		1										
Immed (Mmp) IB2 115 115 116 115 115 140 187 1800 Frame 284 1000 Fille 147 140 195 774.4 0.00 Frame 284 1000 Fille Fille 0.00 Frame 284 Frame 284 1000 Fille Fille 0.00 Frame 284 Fille 0.00 Fille 0.00 Fille 0.00 Fille Fille 0.00 Fille Fille 0.00 Fille Fille 0.00 Fille Fille Fille Fille 0.00 Fille												
regue (h.b) 147 140 195 74.4 0.00 Sync. RPM 1900 100.0							uр		1			
Image: 1000 PA: (%) Current (amps) Parts Part												
1000 1000 1000 1000 1000 1000 900 000 000 000 000 000 000 900 000 000 000 000 000 000 000 900 000	4											
1000 450 Voltage 2300460 V 9000 400 400 400 400 400 9000 400 350 400 400 400 400 9000 400 400 350 400 400 500 400 400 500 400 400 500 400 400 600 400 600 400 600 400 600 400 600 400 600 400 600 400 600 400 600 400 400 600 400 400 600 40	E	Efficiency (%)	— P.F. (%)		Current (Amps)				TEBC			
Viewson 230460 V 900<	100.0					45.0	Construction		ТВР			
900 900 900 900 900 900 900 900							Voltage		230/460	V		
Being Flactor 1:15 Being						40.0	Frequency		60	Hz		
E 800 900 1.15 Tem Prise@ FL 65 9° 000 400 °C 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 000 400 60 1000 60 <td< td=""><td>90.0</td><td></td><td></td><td></td><td>7</td><td>-0.0</td><td>Design</td><td></td><td>В</td><td></td><td></td></td<>	90.0				7	-0.0	Design		В			
Bood of the second se						35.0	LR Code letter		G			
Outring has given in the second seco												
Production of the second secon						30.0 4		FL		°C		
2 700 1.000 feet 600 0 270 1.000 feet 600 0 270 1.000 feet 600 0 270 1.000 feet 600 0 1.000 feet factor.Shatt wik ² R2564204 F Sound Pressure @ 1M 75 dBA WED Rating CONSTANT 2000.1 Outline Dug B-SS3112B3LE-1275 0 0 0 0 B-SS3112B3LE-1275 Constant 200.1 Outline Dug A-EE700F1LE B 0 0 0 0 B-SS3112B3LE-1275 Constant 200.1 Constant 200.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>80</td> <td></td>										80		
60.0 0 2.70 Lb-FP 60.0 0 15.0 15.0 15.0 90.0 0 0 0 0 0 90.0 0 0 0 0 0 0 90.0 0 0 0 0 0 0 0 90.0 0 <t< td=""><td>70.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></t<>	70.0									-		
600 0 100 150 90 0 0 150 90 0 0 0 0 90 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 90 0 0 0 0 0 0 90 0 0 0 0 0 0 0 1000 0 0 0 0 0 0 0 0 1000 0 0 0 0 0 0 0 0 0 1000 0 0 0 0 0						25.0 S		2				
Sund Presure @ 1M 75 dBA VPD Paing CONSTANT 2000.1 Outlie Dwg BSS11128JE-1275 AEE730BT_LE 0 0 0 0 0 0 0 0 0 0 0 0 0						20.0				2011		
Super- state	60.0					20.0	0 10	0.00	76	15.4		
Support VPD Raing CONSTANT 200:1 40.0 0 0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 30.0 0 0 0 0 0 0 1000 0 0 0 0 0 0 1000 0 0 0 0 0 0 1000 0 0 0 0 0 0 0 0 0 0 0 0 0 1000 0 0 0 0 0 0 0 0 0 0 0 0 0 1000 0 0 0 0 0 0 <t< td=""><td></td><td>\square</td><td></td><td></td><td></td><td>15.0</td><td>Sound Pressur</td><td>re @ 1M</td><td>/5</td><td>dBA</td><td></td></t<>		\square				15.0	Sound Pressur	re @ 1M	/5	dBA		
Outline Dug B-SS311263LE-1275 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00 000 00 00 00	50.0					15.0	VFD Rating		CONSTANT 2	000:1		
40.0 30.0 30.0 30.0 30.5 30.5 30.0 30.5						10.0	Outline Dwg		B-SS3112	631 E-1275		
30.0 0% 20% 40% 60% 80% 100% 120% 140% 0.0 10AD CONCENTION CONCENTICON CONCENTION CONCENTION CONCENTICON CONCENTION CONCENTION CON						10.0						
200 00 201 401 00 00 100 100 100 100 100 100 100	40.0					5.0	Additional Spe	cifications:	*			
						5.0	0					
	30.0					0.0	0	EQU	IV CKT (OHMS / PHASE)			
Speed -Torque Curve		40%	60% 80%	× 100%	120%		R1				X	
			LOAD				0.2270	0.1780	0.8070	1.0980	18.5	
	250.0					Torque C				200.0		
200.0 T 150.0 R U E 100.0 50.0 0.0 100.												
200.0 T 150.0 R U E 100.0 50.0 0.0 100.										180.0		
	200.0									160.0		
										140.0		
R Q U E 100.0										120.0	А	
											М	
										100.0		
	U										S	
	E 100.0									80.0		
				_						60.0		
	E0.0											
0.0	50.0									40.0		
0.0										20.0		
										20.0		
0 200 400 600 800 1000 1200 1400 1600 1800 2000		200	400	600	800	1000	1200	1400	1600 1800			