PRODUCT INFORMATION PACKET

Model No: 810001.00 Catalog No: 810001.00

Encoder Motors, TEBC - Axial, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1160 RPM, 286TC Frame



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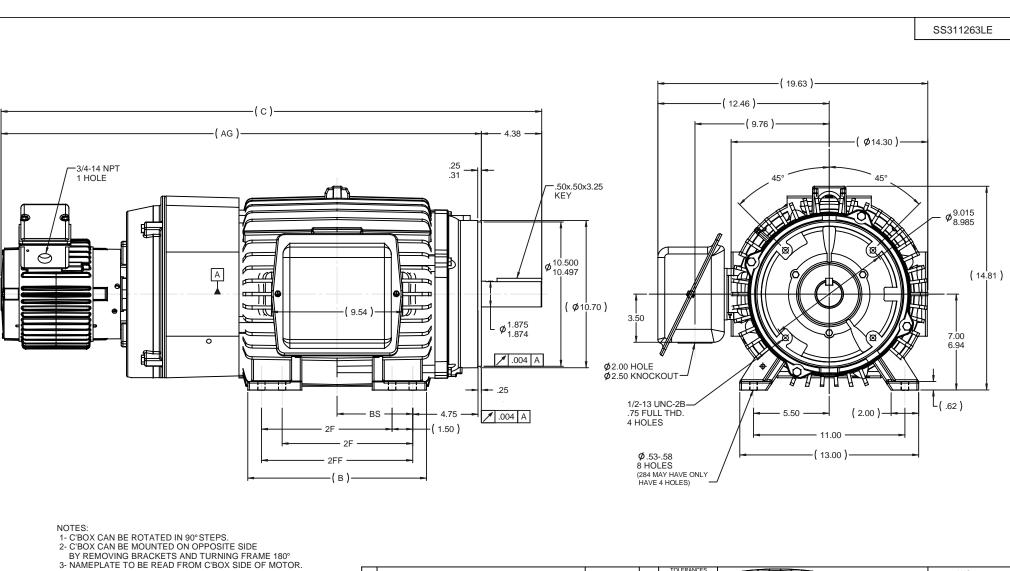
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	52.5/26.2 A	Speed	1160 rpm
Service Factor	1	Phase	3
Efficiency	87.5 %	Power Factor	82
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	F
Frame	286TC	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	Υ
CE	Υ	IP Code	43
Number of Speeds	1		
	Y 1	IP Code	43

Technical Specifications

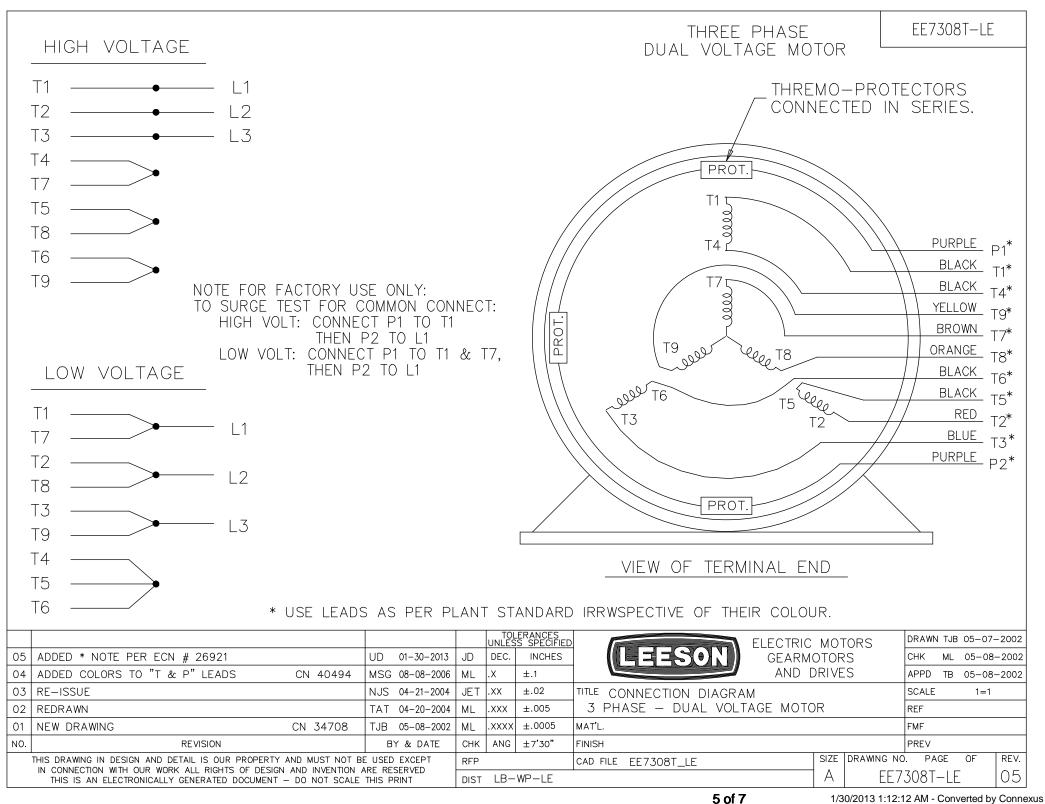
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	.58 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	39.31 in
Frame Length	14.25 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Outline Drawing	B-SS311263LE-1425	Connection Drawing	A-EE7308T-LE

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DASH	FRAME	С	AG	В	2F	2FF	BS
1275	284TC	37.81	33.43	11.50	9.50		4.75
1425	286TC	39.31	34.93	13.00	9.50	11.00	5.50

					LERANCES SS SPECIFIED INCHES ±.1	(LEESON)	ELECTRIC M GEARMOT AND DR	ORS	RS	СНК	NJS 05-16 ML 05-20-2 TB 05-20-2	2002
				.XX	±.03	TITLE OUTLINE - TFPA SERIES				SCALE	1:4.5	
2	REVISED MOUNTING HOLE QUANTITY CN 40694	DRS 10-25-2006	ML	XXX.	±.005	280TC FR TEBC				REF		
1	1 NEW DRAWING CN 35134 NJS 05-20-20			.xxxx	±.0005	MAT'L				FMF		
N	NO REVISION BY & DATE				±7'30"	FINISH				PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK, ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED.					CAD FILE SS311263LE S		SIZE	DRAWING	RAWING NO		REV
<u>l"</u>	THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE	DIST	LB	•	_	•	В	SS	311263	BLE	2	





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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7308T-LE CAT #: 810001.00

OUTLINE:	:	B-SS311263LE 256667		R6	6				CAI#:	810	001.00		
	1			T	YPICA	_ мото	R PERFO	RMAN	CE DATA	ı	1		ı
HP	KW	SYNC RE	PM	FL RPM		FI	RAME	ENCLOSURE		TYPE	KVA CO	DE	DESIGN
20	14.9	1200	1200 1160		286TC		TEBC		TBP	F		INF	
PH	HZ	VOLTS	3	AMP			RT TYPE		DUTY	S.F.	AMB	ELEV.	
3	60	230/460		52.5/26.2		INVER	TER ONLY	CONT		Н	1.15	3300	
	F.L. EFF	87.5		3/4 LD EFF	88.5		1/2 LD EFF	87.5	GTD EFF		ELECT. TY	'PE	
	F.L. PF	82.0		3/4 LD PF	78.0		1/2 LD PF	69.0	85.5		SQ CAGE INV		
F.L. TO	POLIE	LDA	MPS @	460 V		L.R. TORG	NIE		B.D. TORQ	IE .	F.L. RISE	(°C)	I
90.0	LB-FT	Ln A	140	460 V	150	LB-FT	167%	215	LB-FT	239%	88	(6)	
				ı								1	
PRESSU		POWER		ROTOR			OAD WK ²		TALL TIME	STAR	TS/HOUR	_	OR WGT
75	dBA	84 dB A	١	3.1	LB-FT ²	0	LB-FT ²	0	SEC.		0	525	LB.
					*** SI	JPPLEM	ENTAL INFO	RMATI	ON ***				
DE BRA				MOUNT	_	TOR	SEVERE	HAZARDOUS		DRIP	00055:::0		
C-FA		ODE BRACKET TYPE ENCODER		TYPE RIGID			NO NO		ONE	NO NO	SCREENS NONE	PAINT JE - LEESON (EN	
C-I-A	ICE	ENCODE	-n	NIGID	HONIZ	ONTAL	NO		NOINE	NO	NONE	pe - cee	SON (ENA
BEARI DE	NGS ODE	GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME	MATERIA
BALL 6311	BALL 6210	POLYREX	POLYREX EM T		NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON		
THERMO		PROTECT	ORS	WDG R			G RTD's		MISTORS		NTROL		PACE ATERS
TSTATS	S (N/C)	NOT		NON	E	N	IONE	N	IONE	F/	ALSE		NA
R1 (ohn	ns/ph)	R2 (ohms	ph)	X1 (ohm	s/ph)	X2 (c	hms/ph)	Xm (ohms/ph)	VIBRATI	ON (in/sec)	F	LOAT
0.38		0.339 1.3		1.34			24.85		0.150		ODE		
* N O T E								INV. HP SP		CONSTANT 200 1.5 X BASE SPI			
S									ST56	HOLLINGIAN			
*	DATE:	2/1/201	8						BRAKE: NO FT-LB:	ONE	NONE NA	NONE	PPR
							<u>-</u>		VOLTAGE:		ONE		HZ
								UL:	Y-(LEESON L	JL REC)			

