

PRODUCT INFORMATION PACKET

Model No: 811530.00

Catalog No: 811530.00

Encoder Motors, TEBC - Axial, 350 HP, 3 Ph, 60 Hz, 460 V, 1784 RPM, 447/449T Frame



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Nameplate Specifications

Output HP	350 Hp	Output KW	260.0 kW
Frequency	60 Hz	Voltage	460 V
Current	385.0 A	Speed	1784 rpm
Service Factor	1	Phase	3
Efficiency	95.4 %	Power Factor	90
Duty	Continuous	Insulation Class	H
Design Code	INV	KVA Code	H
Frame	447/449T	Enclosure	Totally Enclosed Blower cooled - Axial
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6318
UL	Recognized	CSA	Y
CE	N	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	.0085 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	64.34 in
Frame Length	28.75 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Outline Drawing	B-SS550101LE-2875	Connection Drawing	A-EE7300T-LE

THREE PHASE - SINGLE VOLTAGE MOTOR
CONDUIT BOX @ 'A'

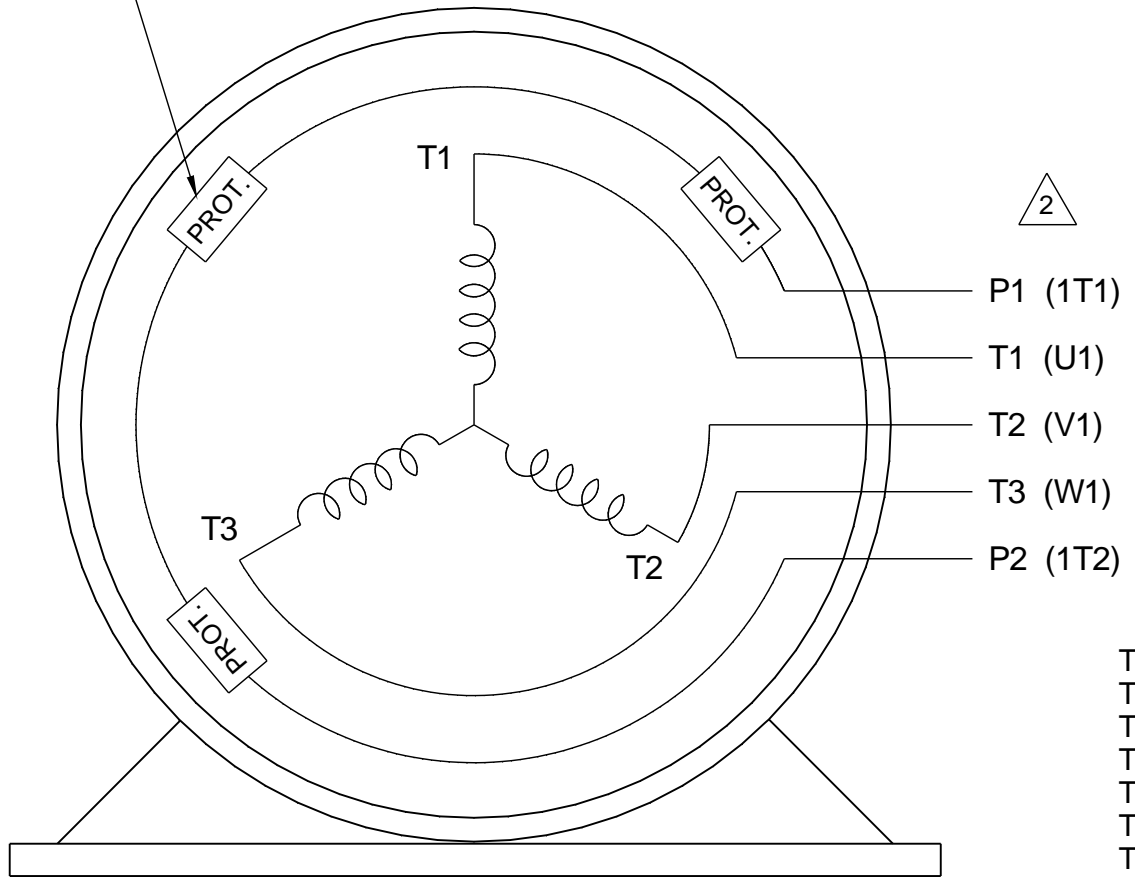
3 THERMO - PROTECTORS
CONNECTED IN SERIES

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

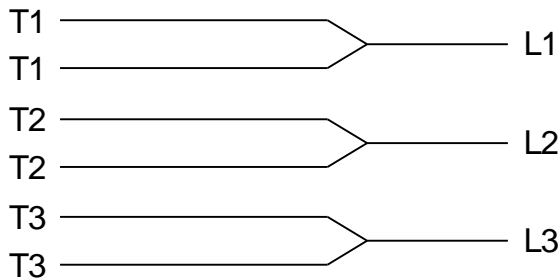
NOTE FOR FACTORY USE ONLY:

TO SURGE TEST:

FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1, THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1



IF MOTOR HAS MULTIPLE T'S PER LEAD
CONNECT TOGETHER LIKE T'S

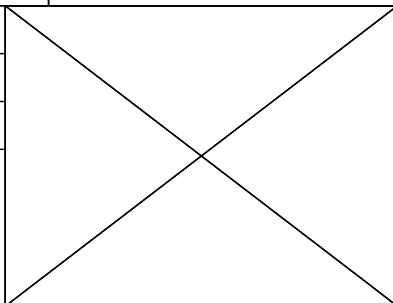


A-9806 DECAL


- T2BM
- T6AW
- T6AL
- T6Z
- T4EG
- T4BF
- T8A
- T6H
- T6A
- T4AX
- T4A
- T2A
- T2F

VIEW OF TERMINAL END

DRAWING REVISION E	REVISION BY MSG	DATE 10-19-2016
ECO ECO-0111093	APPROVED BY TB	DATE 10-19-2016
ECO DESCRIPTION REDRAWN - REVISED TEXT		
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DRAWN BY NJS
DATE 05-15-2002
APPROVED BY ML
DATE 05-20-2002
REFERENCE
THIRD ANGLE PROJECTION

 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DESCRIPTION	
		CONNECTION DIAGRAM 3 PHASE - SINGLE VOLT - MOTOR WITH PROTECTORS	
MATERIAL		PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300T-LE		SHEET 1 OF 1

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



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7300T-LE
 OUTLINE: B-SS550101LE-2875
 WINDING: T449462

CAT #: 811530.00

NONE 4

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
350	261	1800	1784	447/449T	TEBC	TBN	H	INF

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	460	385	INVERTER ONLY	CONT	H	1.15	40	3300

F.L. EFF	95.4	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	ELECT. TYPE
F.L. PF	90.0	3/4 LD PF	89.0	1/2 LD PF	84.0	94.5	SQ CAGE INV DUTY

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1,030 LB-FT	2,850	1,445 LB-FT 140%	2,925 LB-FT 284%	85

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
88 dBA	97 dBA	93.0 LB-FT²	0 LB-FT²	0 SEC.	0	3100 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	ENCODER	RIGID	HORIZONTAL	NO	NONE	NO	NONE	JE - LEESON (ENAM)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6319	6318						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.007	0.005	0.076	0.065	2.636	0.150	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED					
	ENCODER: NORTHSTAR ST56 NONE					
	NONE PPR					
	BRAKE: NONE NONE NONE					
	FT-LB: NA VOLTAGE: NONE HZ:					

DATE: 1/29/2018

UL: Y-(LEESON UL REC)

Data Sheet

Date: 1/29/2018

811530.00



Data @ 460 V

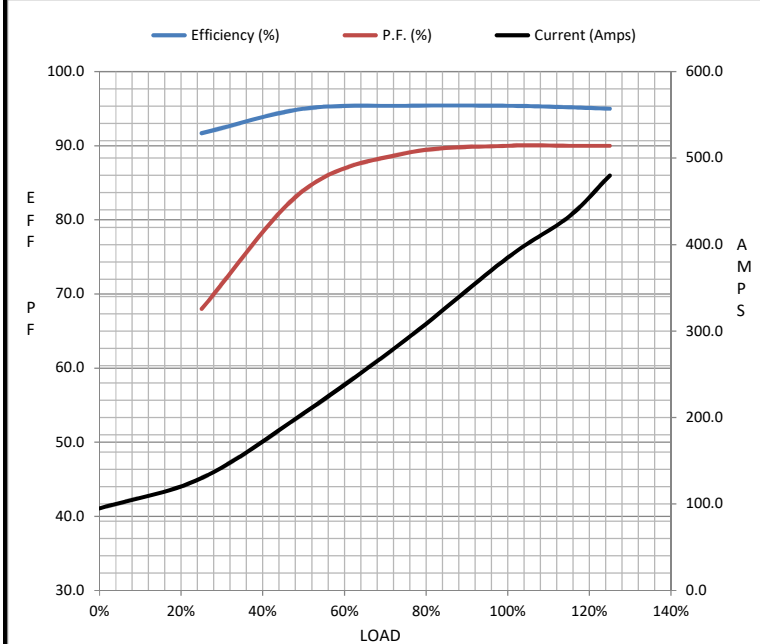
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	95.0	130	205	290	385	433	480	2,850
Torque (ft-lb)	0.00	256	512	770	1,030	1,160	1,290	1,445
RPM	1800	1796	1790	1788	1784	1,782	1778	0
Efficiency (%)		91.7	95.0	95.4	95.4	95.2	95.0	
P.F. (%)	7.5	68.0	84.0	89.0	90.0	90.0	90.0	25.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1784	1800
Current (Amps)	2,850	2,700	1,450	385	95.0
Torque (ft-lb)	1,445	1,300	2,925	1,030	0.00

Information Block				
HP	350.0			
Sync. RPM	1800			
Frame	449			
Enclosure	TEBC			
Construction	TBN			
Voltage	460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	85 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	93.0 Lb-Ft ²			
Ref Wdg	T449462 NONE			
Sound Pressure @ 1M	88 dBA			
VFD Rating	CONSTANT 2000:1			
Outline Dwg	B-SS550101LE-2875			
Conn. Diag	A-EE7300T-LE			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0070	0.0050	0.0760	0.0650	2.6360



Speed - Torque Curve

