

PRODUCT INFORMATION PACKET



Model No: 145THTN19081A

Catalog No: 811646.00

..1HP..1200.145T.TENV.460V.3PH.60HZ.CONT.40C.1.15 S.F..RIGID.....IEEE-841.....
IEEE 841



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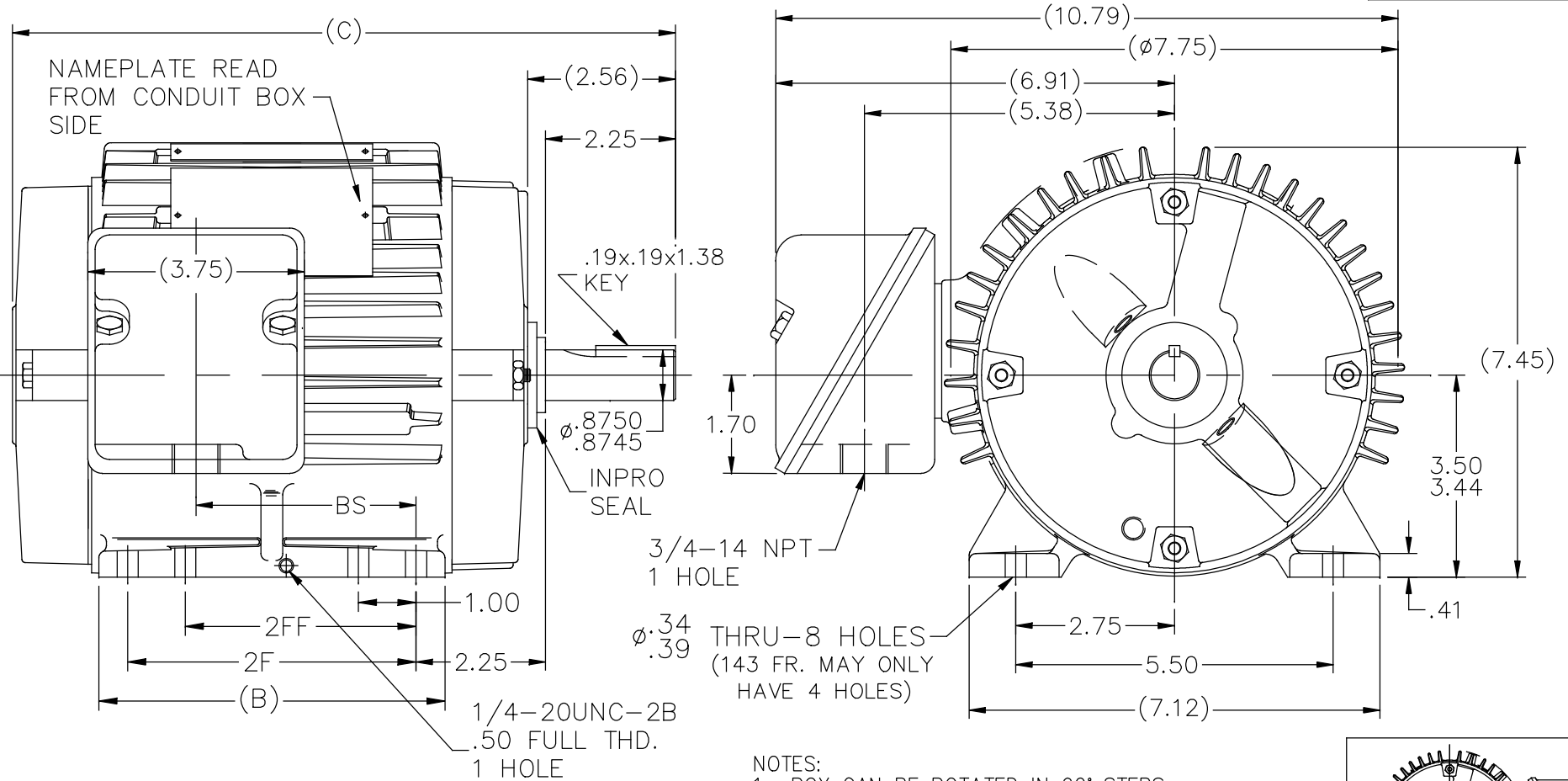
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	460 V
Current	1.7 A	Speed	1140 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	145T
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	56		

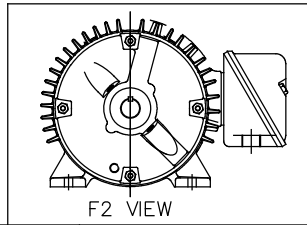
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	11.43 in	Frame Length	6.25 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	A-104326-625	Connection Diagram	EE7300-LE

104326



- NOTES:
- 1- BOX CAN BE ROTATED IN 90° STEPS.
 - 2- BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 - 3- FRONT GREASE HOLE LOCATIONS SHOWN WITH HIDDEN LINES.



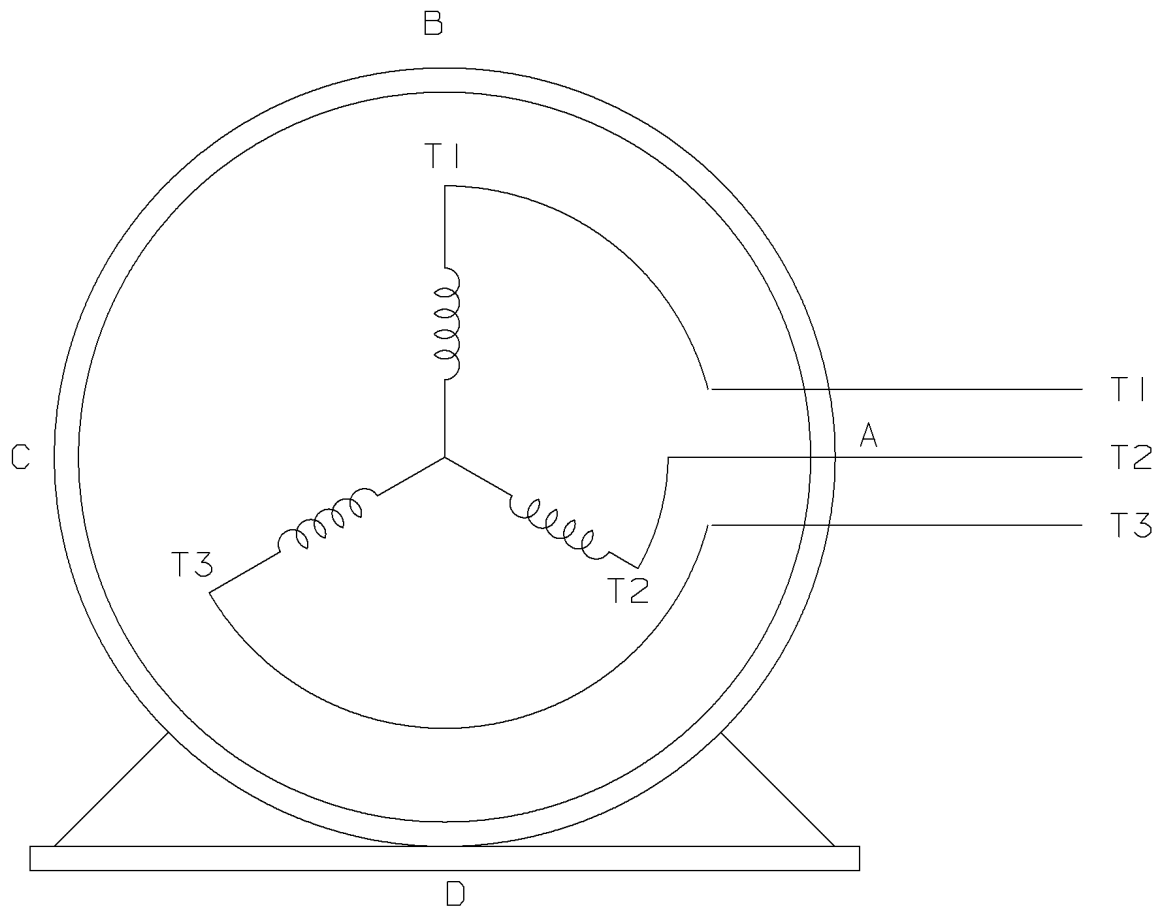
DASH	FR.	B	C	BS	2F	2FF
525	143T	5.00	10.43	2.81	4.00	-
625	145T	6.00	11.43	3.81	5.00	4.00

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN PGK 06-24-1997
					DEC.	INCHES		
8	UPDATED SHAFT EXTENSION	MVG 05/19/2017	PVR					CHK ML 06-27-1997
7	UPDATED F2 VIEW AND LOGO	SL 04/21/2016						APPD SAT 07-10-1997
6	ADDED F2 VIEW	UD 11/22/13		.X	±.1			SCALE 3=8
5	UPDATED PER ECO-0031264	PN 03-07-2013	ML	.XX	±.03		TITLE OUTLINE	REF
4	CHG'D TO HAVE 8 MTG. HOLES, WAS 4 CN 29200-3715	TAT 08-31-2004	ML	.XXX	±.005		140T FR. - BB - TS - TENV - INPRO SEAL	FMF
3	REDRAWN IN AUTOCAD	TAT 06-29-2004		.XXXX	±.0005		MAT'L.	PREV
			RFP				CAD FILE 104326	SIZE A
			DIST	WP				DRAWING NO. 104326
								PAGE OF 8
								REV. 8

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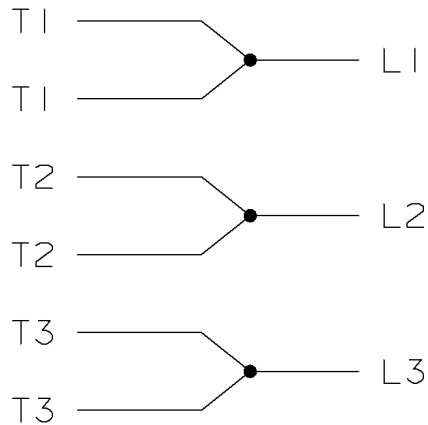
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS




VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MSG 05-22-2002			
				DEC.	TOLERANCE		CHK ML 05-22-2002			
				.X	± .1		APPD GK 05-22-2002			
				.XX	± .02		SCALE			
				.XXX	± .005		REF			
1	NEW DRAWING	MSG	05-22-2002	ML	.XXXX ± .0005	TITLE CONNECTION DIAGRAM SINGLE VOLT - 3Ø MOTOR	FMF			
NO.	REVISION	BY	DATE	CHK	ANG ± 7'30'		✓ SURFACE ROUGHNESS UNLESS SPECIFIED	PREV		
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				DIST WA - LB - WP - LM - BR - BY				A	EE7300-LE	I



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EET300-LE
OUTLINE: A-104326-625
WINDING: ZT691

CAT #: 811646.00

NONE 6

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN		
1	0.75	1200	1140	145T	TENV	TTN	J	B		
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.	
3	60	460	1.65	LINE OR INVERTER	CONT	F	1.15	40	3300	
F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	80.5	1/2 LD EFF	1/2 LD PF	77.0	GTD EFF	77.0	ELECT. TYPE
				80.5			43.5			SO CAGE INVERTED
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)						
4.6 LB-FT	9.0	10.8 LB-FT	235%	14.3 LB-FT	311%	85				
PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT				
60 DBA	69 DBA	0.10 LB-FT²	18 LB-FT²	20 SEC.	2	60 LB.				

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	DIVISION 2 T2B	NO	NONE	N - LEESON WATTS
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL BALL 6205	POLYREX EM 6203	T	NONE	NONE	1144 STRESSPROOF (C-223)		CAST IRON	
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	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		
10.025	7.64	16.756	17.807	232.312	0.080	ODE		

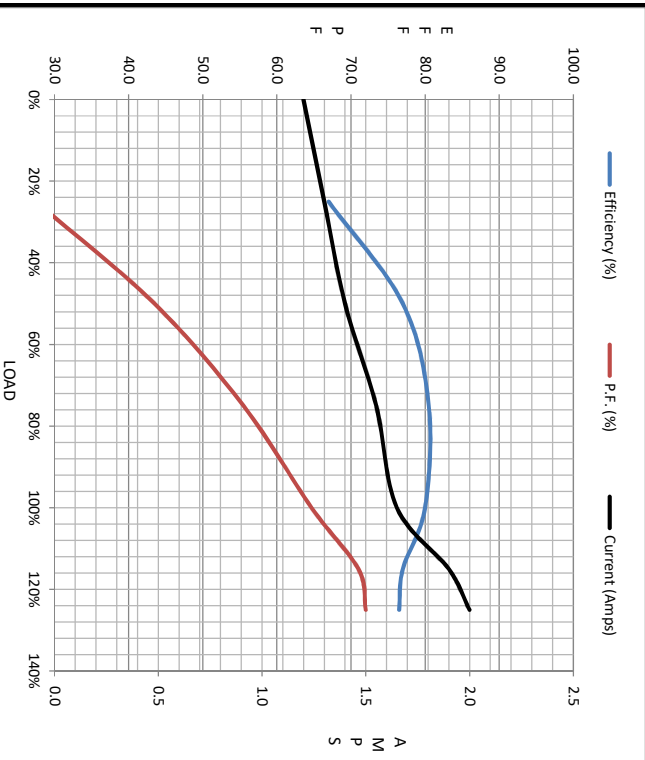
* N O T E S		INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NONE	
		VOLTAGE: NA	
		NONE PPR	

DATE: 1/29/2018	UL: Y-(LEESON UL REC)	Hz:
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Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.20	1.30	1.40	1.55	1.65	9.0
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.6	10.8
RPM	1200	1190	1177	1165	1140	0
Efficiency (%)		67.0	77.0	80.5	80.0	
P.F. (%)	8.0	27.5	43.5	55.5	64.7	63.5

Motor Speed Data						Information Block																						
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:		
0	600	1050	1140	1200		1.0	1200	145	TENV	TTN	460	60	B	J	1.15	85	CONT	40 °C	1,000	0.10	NONE	Z1691	60	dB(A)	CONSTANT 10:1	A-104326-625	EE7300-LE	
Current (Amps)	9.0	8.1	7.0	1.65	1.20																							
Torque (ft-lb)	10.8	9.7	14.3	4.6	0.00																							



R1	R2	X1	X2	Xm
10.0250	7.6400	16.7560	17.8070	232.3120
EQUIV CKT (OHMS / PHASE)				
0				
Additional Specifications:				
0				
Conn. Diag				
EE7300-LE				
Outline Dwg				
A-104326-625				
VFD Rating				
CONSTANT 10:1				
Sound Pressure @ 1M				
60 dB(A)				
Ref Wdg				
Z1691 NONE				
Elevation				
1,000 feet				
Rotor/Shaft wk ²				
0.10				
Ambient				
40 °C				
Duty				
CONT				
Temp Rise @ FL				
85 °C				
Service Factor				
1.15				
LR Code letter				
J				
Design				
B				
Frequency				
60 Hz				
Voltage				
460 V				
Construction				
TTN				
Enclosure				
TENV				
Frame				
145				
Sync. RPM				
1200				
HP				
1.0				

