

PRODUCT INFORMATION PACKET



Model No: 286TTTPA14531AA

Catalog No: 824535.00

..30HP..1800RPM.286T.TEAO.230/460V.3PH.60HZ.AIR OVER.40C.1.15SF.RIGID BASE.....COOLING
TOWER

Cooling Tower



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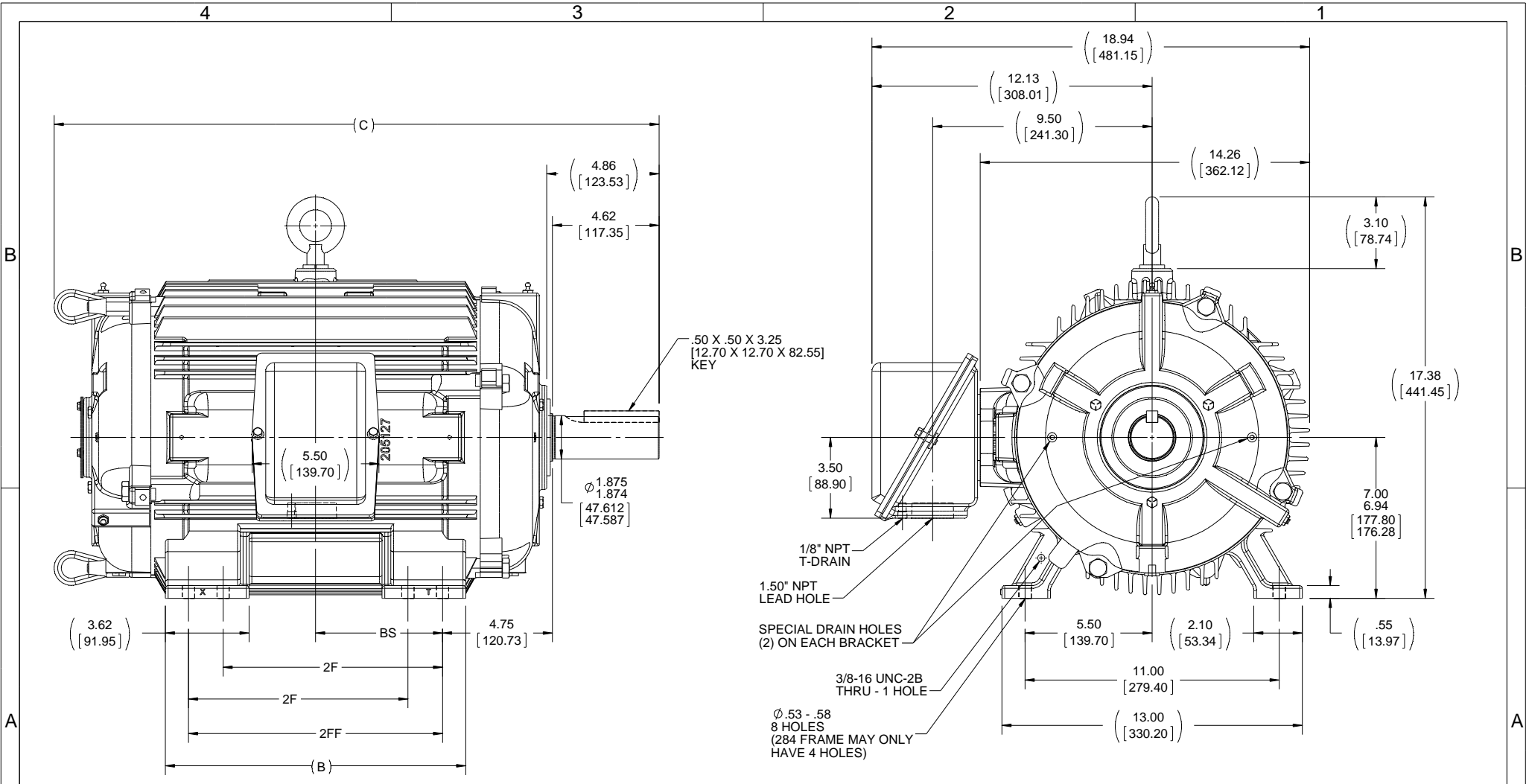


Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	74.0/37.0 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	286TV
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6210	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL OR UP OR DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	26.19 in	Frame Length	14.25 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS312693-1425	Connection Diagram	A-EE7308-LE



DASH	FRAME	B	C	2F	2FF	BS
1275	284T	11.50 [292.10]	24.69 [627.13]	9.50 [241.30]	-----	4.75 [120.65]
1425	286T	13.00 [330.20]	26.19 [665.23]	9.50 [241.30]	11.00 [279.40]	5.50 [139.70]

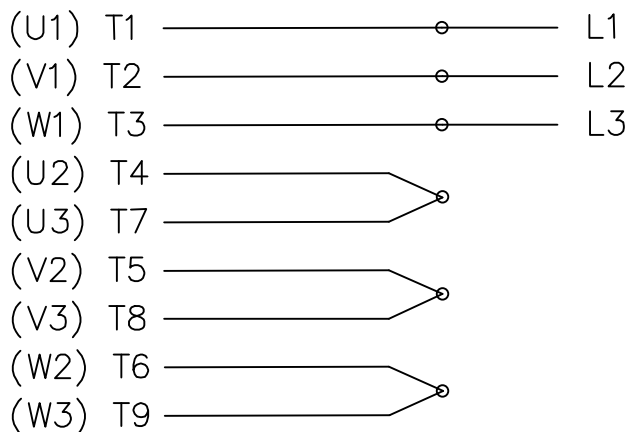
DRAWING REVISION A	REVISION BY W. JOERGER	DATE 03-21-2015
ECO-0052212	APPROVED BY E. HEIL	DATE 03-31-2015
ECO DESCRIPTION RELEASED FOR PRODUCTION		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC	INCH	mm	ANGLE
.X	+0.1	[+2.5]	±7 30°
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [5.1]			
MACHINED SURFACES: 200 INCH 5.1 / mm			
mm SHOWN IN [BRACKETS]			

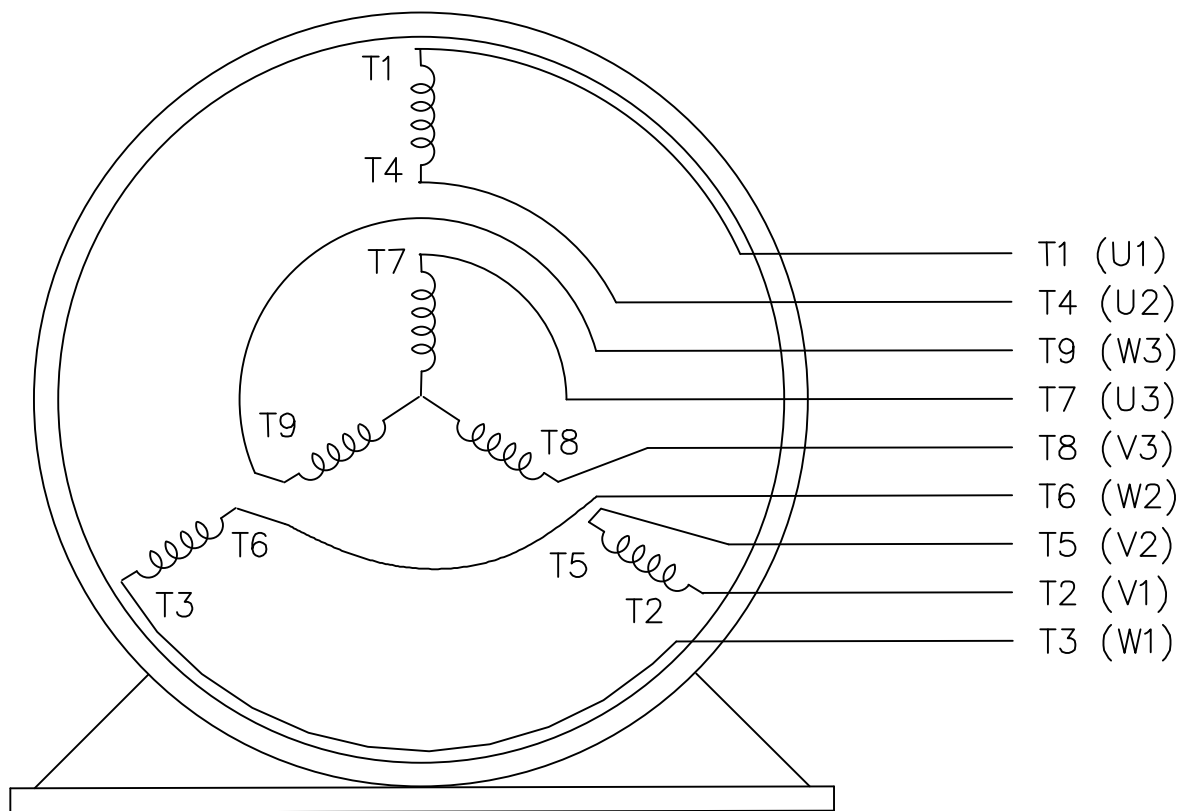
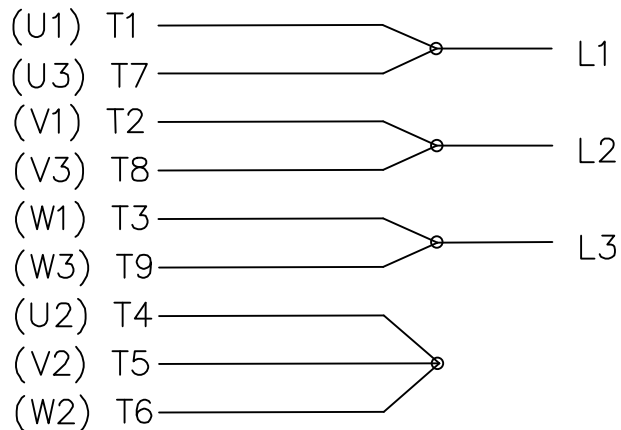
DRAWN BY W. JOERGER	REGAL™ Regal Beloit America, Inc.	
DATE 03-31-2015	DESCRIPTION OUTLINE	
APPROVED BY E. HEIL	TEAO - HORIZ OR SHAFT UP/DOWN - 280T FR - 11.00 LAM	
DATE 03-31-2015	MATERIAL	PROCESS/FINISH
REFERENCE		
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS312693
		SHEET 1 OF 1

THREE PHASE DUAL VOLTAGE MOTOR

HIGH VOLTAGE




LOW VOLTAGE



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 04-29-2002			
				DEC.	INCHES			CHK	ML	05-03-2002	
				.X	±.1			APPD	GK	05-03-2002	
				.XX	±.01	TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR		SCALE	1=1		
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP 01-11-2012	DR	.XXX	±.005			REF			
1	NEW DRAWING	HLB 05-03-2002	ML	.XXXX	±.0005	MAT'L.		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE EE7308-LE		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB-WP	A	EE7308-LE			2	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET7308-LE
OUTLINE: B-SS312693-1425
WINDING: K2564247

CAT #: 824535.00

R4 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
30	22.4	1800	1768	286TV	TEAO	TTP	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	74/37	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	1/2 LD EFF	1/2 LD PF	GTD EFF	ELECT. TYPE		
92.4	82.0	93.0	77.0	92.4	67.0	91.0	SQ CAGE INVERTED		
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (% C)					
89.0 LB-FT	217	175 LB-FT	197%	225 LB-FT	253%	0			
PRESSURE @ 3	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
999 DBA	1008 DBA	3.3 LB-FT ²	0 LB-FT ²	20 SEC.	2	490 LB.			

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	ZONIAL OR UP OR DWN	SEVERE	NONE	NO	NONE	BLUE (EPOXY)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL 6311	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		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		
0.199	0.137	0.672	0.933	15.512	0.080	ODE		

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

DATE: 2/1/2018	UL: Y-(LEESON UL REC)	HZ:
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