

PRODUCT INFORMATION PACKET



Model No: 324TTTS16579AN

Catalog No: 824560.00

..25HP..1200RPM.324T.TEAO.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....COOLING TOWER.....

Cooling Tower



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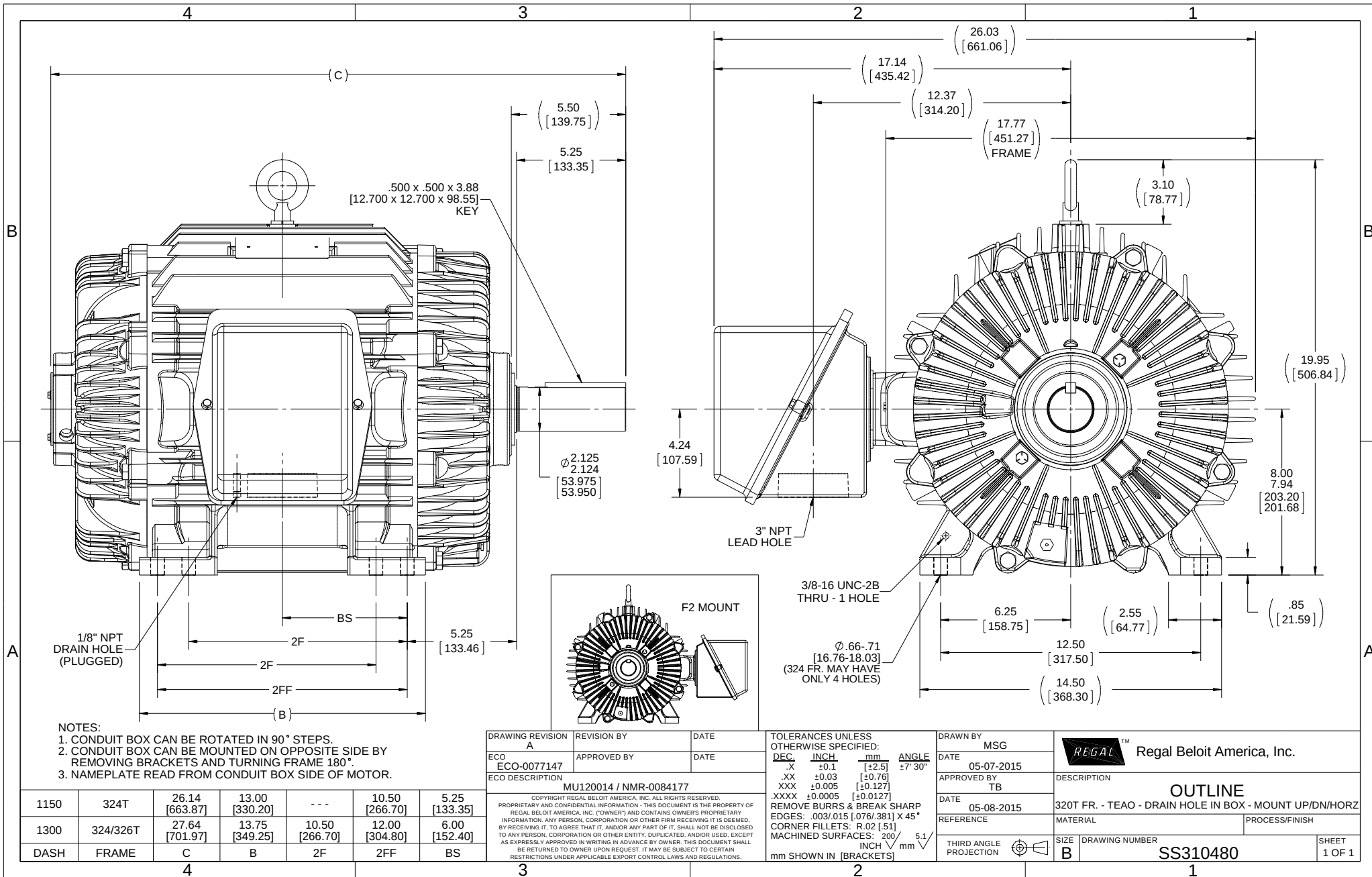


Nameplate Specifications

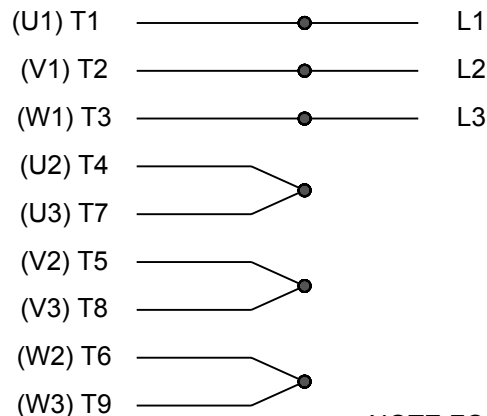
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	65.0/32.5 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	324T
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6311	UL	Recognized
CSA	Y	CE	Y
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	26.14 in	Frame Length	11.50 in
Shaft Diameter	2.125 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS310480-1150	Connection Diagram	A-EE7308T

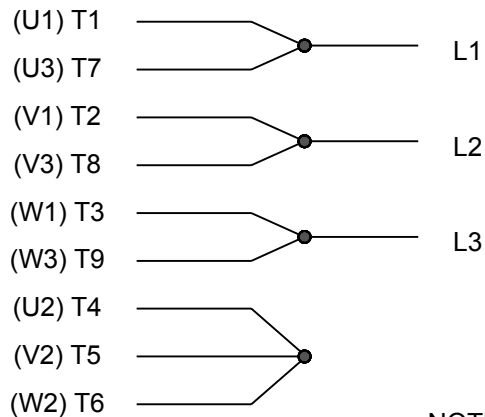


HIGH VOLTAGE

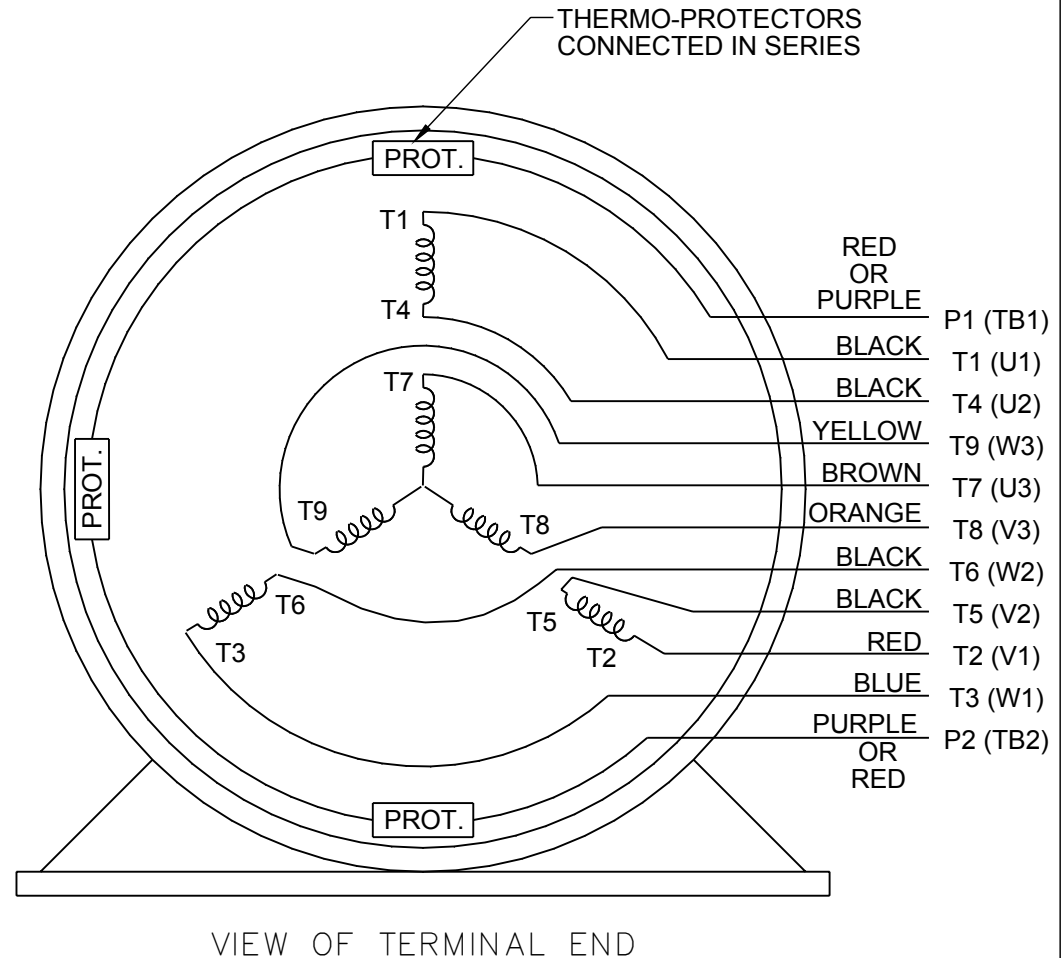


NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE



NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

THREE PHASE
DUAL VOLTAGE MOTOR

DRAWING REVISION R	REVISION BY AJW	DATE 07-17-2015		DRAWN BY SMC	 Regal Beloit America, Inc.			
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015		DATE 05-13-1992				
ECO DESCRIPTION REV'D IEC NOTATIONS PER IEC 60034-8				APPROVED BY TB	DESCRIPTION CONN DIAGRAM-INTERNAL			
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				REFERENCE EE7308/EE7300	MATERIAL		PROCESS/FINISH	
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308T	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET308T
OUTLINE: B-SS310480-1150
WINDING: 324679

CAT #: 824560.00

R1 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
25	18.7	1200	1182	324T	TEAO	TTN	G	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60/50	230/460#190/380	65/32.5/63/31.5	LINE OR INVERTER	CONT	F	1.15	40	3300				
F.L.EFF		93.0	3/4 LD EFF	93.0	1/2 LD EFF	91.7	GTD EFF	ELECT. TYPE					
F.L.PF		78.0	3/4 LD PF	73.0	1/2 LD PF	62.0	92.4	SQ CAGE INVERTED					
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
112	LB-FT	182		165		LB-FT	147%	270	LB-FT	241%	0		
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT	
999	dBA	1008		dBA	8.5	LB-FT²	425	LB-FT²	20	SEC.	2	625	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	NONE	NO	NONE	UE - LEESON (EPOX
BEARINGS		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL
DE	ODE	GREASE						FRAME MATERIAL
BALL	BALL	POLYREX EM		T		NONE		1045 HOT ROLLED (C-204)
6312	6311							CAST IRON
THERMOSTATS		PROTECTORS		WDG RTD's		BRG RTD's		THERMISTORS
TSTATS (N/C)		NOT		NONE		NONE		CONTROL
								SPACE HEATERS
								NA
R1 (ohms/ph)		R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)
0.176		0.136		1.046		1.305		18.115
								VIBRATION (in/sec)
								0.080
								FLOAT
								ODE

INVERTER TORQUE: VARIABLE 10:1								
INV. HP SPEED RANGE: NONE								
ENCODER: NONE					NONE PPR			
NONE								
NONE								
NONE								
NONE								

BRAKE: NONE					NONE			
NONE								
FT-LB: NA					NONE			
VOLTAGE: NONE								
UL: Y(LEESON UL REC)					HZ:			

DATE: 2/22/2018

Data Sheet

Date: 1/29/2018

824560.00



Data @ 460 V

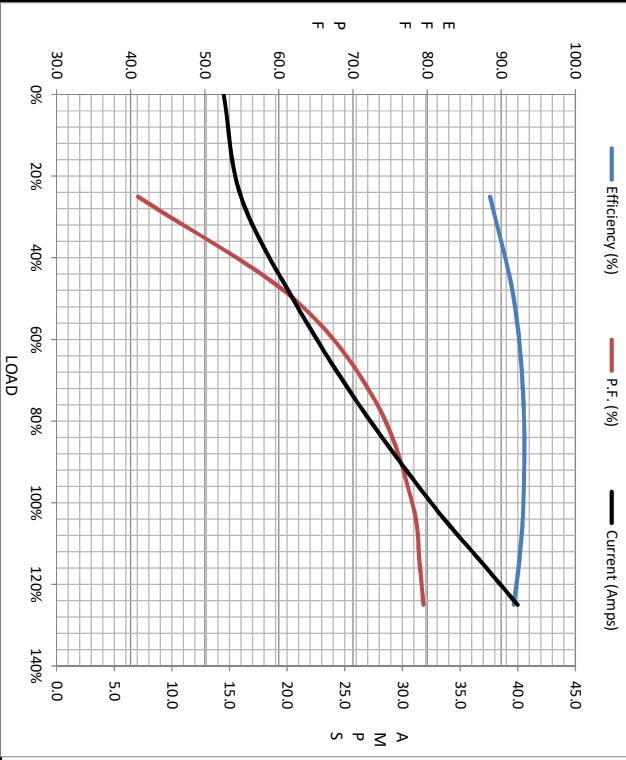
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	14.5	16.0	20.5	26.0	32.5	37.0	40.0	182
Torque (ft-lb)	0.00	27.5	55.0	83.5	112	128	140	165
RPM	1200	1195	1190	1188	1182	1,178	1175	0
Efficiency (%)		88.5	91.7	93.0	93.0	92.4	91.7	
P.F. (%)	4.5	41.0	62.0	73.0	78.0	79.0	79.5	28.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	182	168	110	32.5	14.5
Torque (ft-lb)	165	190	270	112	0.00

Information Block	
HP	25.0
Sync. RPM	1200



Speed -Torque Curve

