

PRODUCT INFORMATION PACKET



Model No: 326TTTS16578AN

Catalog No: 824561.00

..30HP..1200RPM.326T.TEAO.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....COOLING TOWER.....

Cooling Tower



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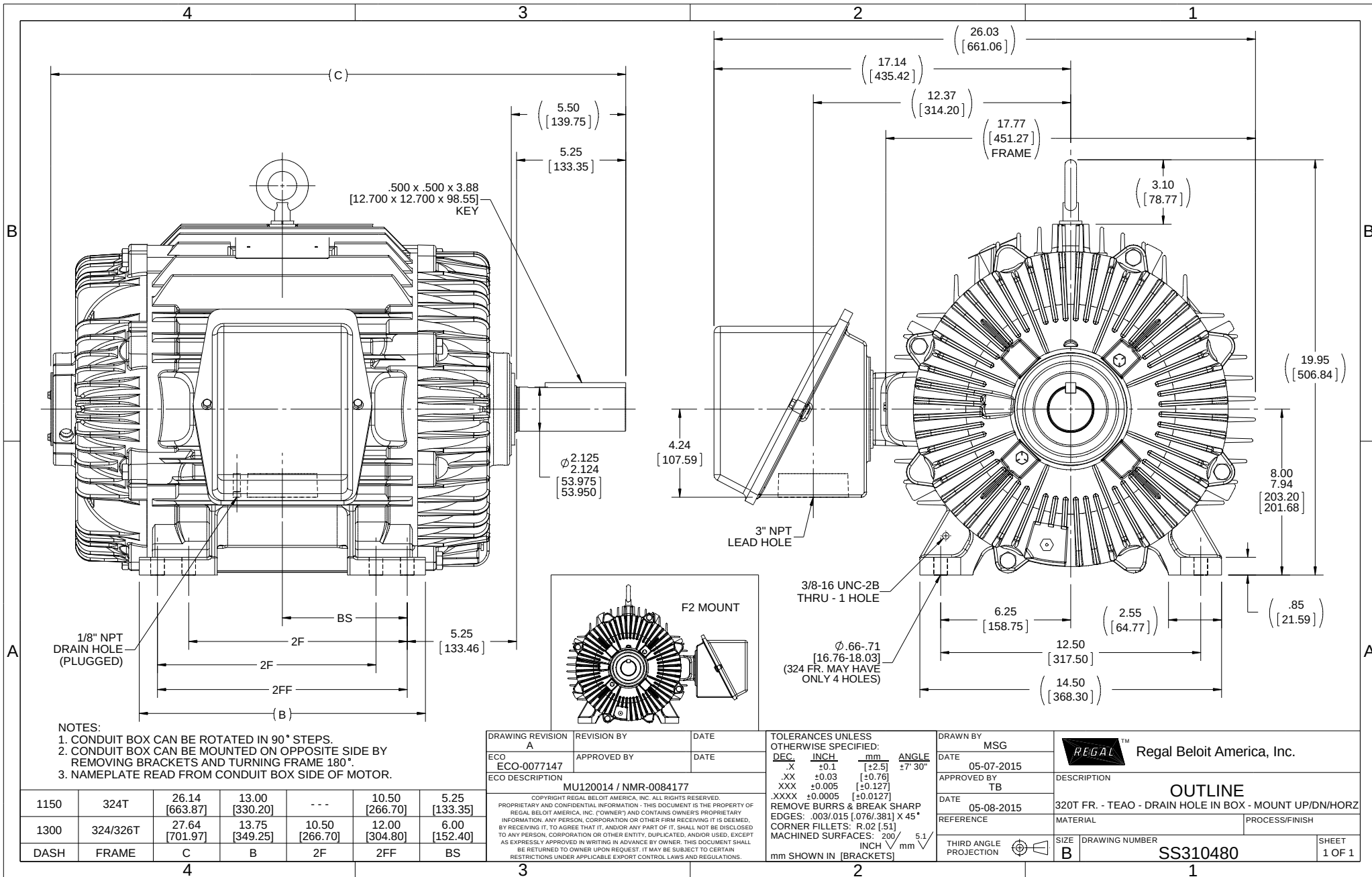


Nameplate Specifications

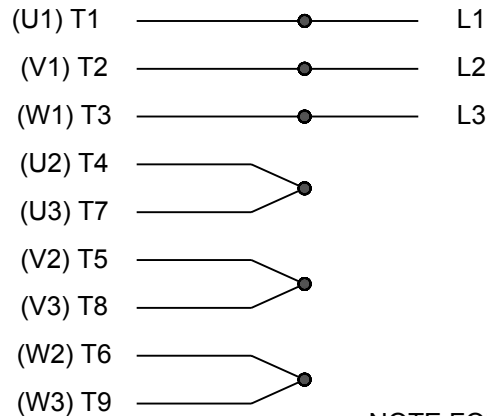
Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	77.0/38.5 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	326TV
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	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 OR UP OR DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	27.64 in	Frame Length	13.00 in
Shaft Diameter	2.125 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS310480-1300	Connection Diagram	A-EE7308T

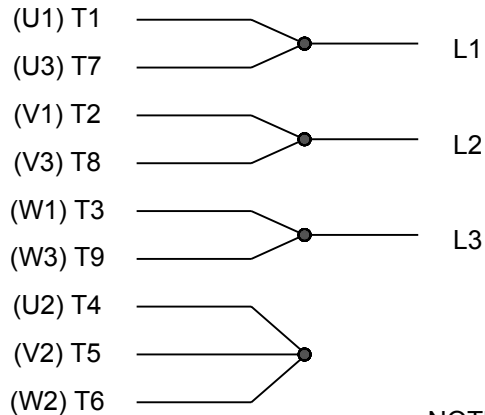


HIGH VOLTAGE

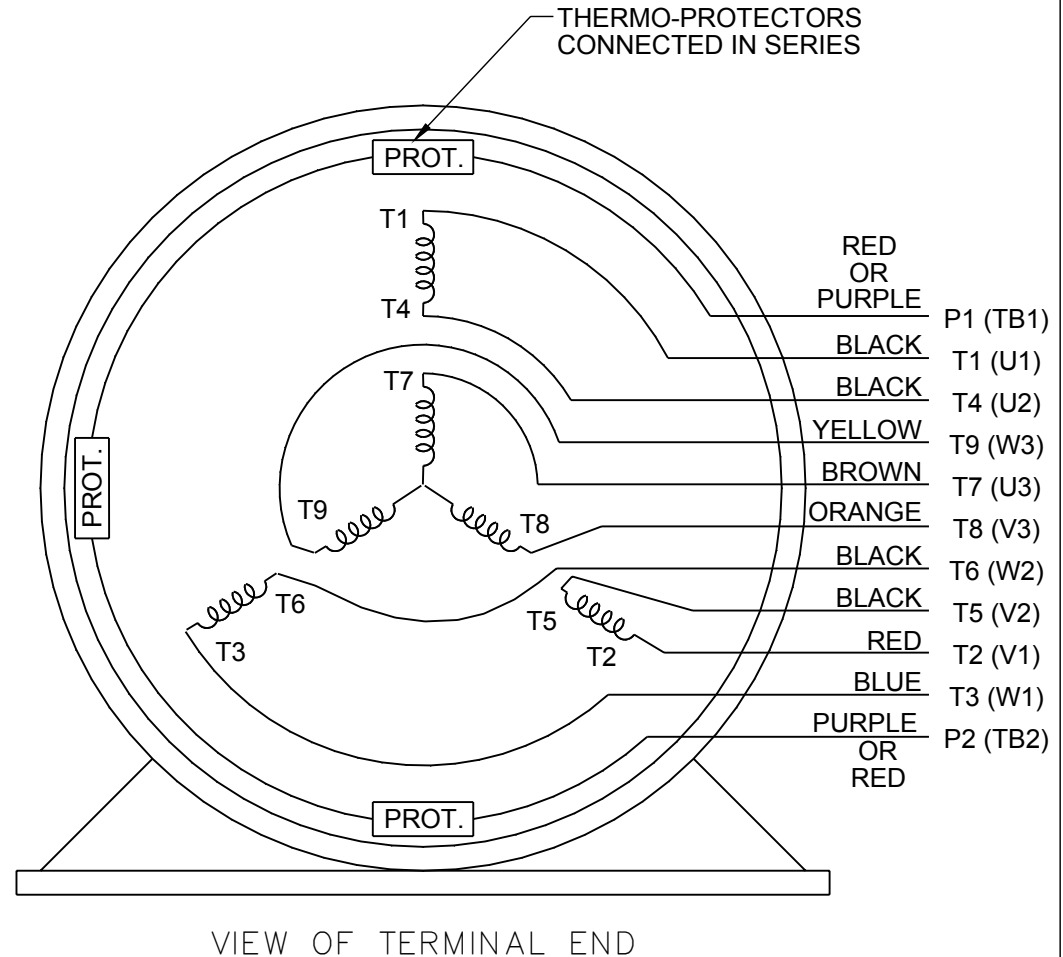


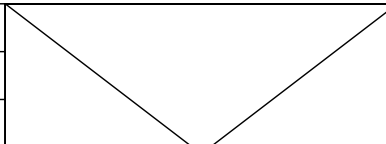
NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

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	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR			
ECO DESCRIPTION REV'D IEC NOTATIONS PER IEC 60034-8				APPROVED BY TB				
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				DATE 05-13-1992				
							THIRD ANGLE PROJECTION	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET7308T
OUTLINE: B-SS310480-1300
WINDING: 3266102

CAT #: 824561.00

RT3 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
30	22.4	1200	1182	326TV	TEAO	TTN	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	77/38.5&77/38.5	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L.EFF		93.0	3/4 LD EFF	93.0	1/2 LD EFF	92.4	ELECT. TYPE		
F.L.PF		79.0	3/4 LD PF	75.0	1/2 LD PF	66.0	92.4	SQ CAGE INVERTED	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
134	LB-FT	217		200	LB-FT	149%	375	LB-FT	280%
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME	STARTS/HOUR
999	dBA	1008	dBA	9.4	LB-FT²	500	LB-FT²	20	SEC.
								2	
								700	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	ZONAL OR UP OR DOWN	SEVERE	NONE	NO	NONE	UE - LEESON (EPO)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
DE CODE								
BALL 6312	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON		
6312	6311							
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 ODE		
0.147	0.121	0.913	1.154	16.271	0.080			

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

ENCODER: NONE
BRAKE: NONE
FT-LB: NA
VOLTAGE: NONE
HZ: NONE

DATE: 1/22/2018

UL: Y-(LEESON UL REC)

Data Sheet

Date: 1/22/2018

824561.00



Data @ 460 V

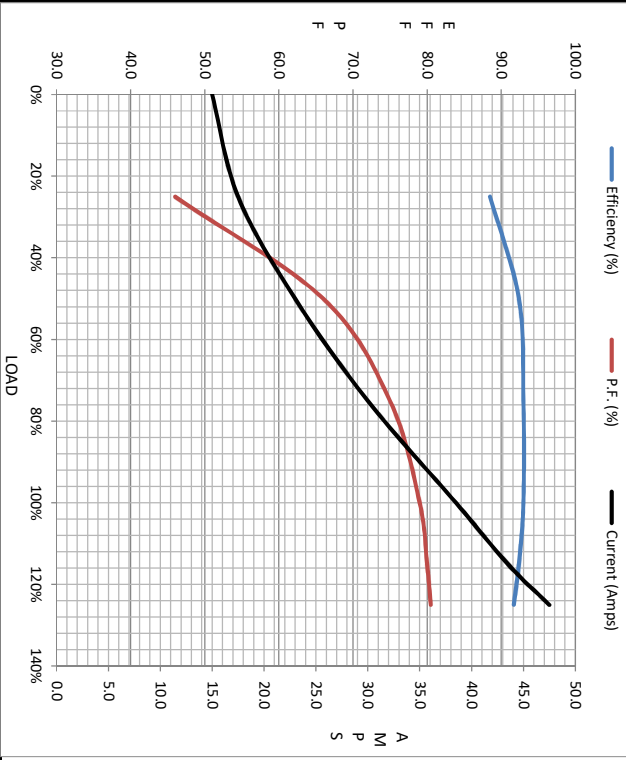
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	15.0	17.5	23.0	30.0	38.5	43.5	47.5	217
Torque (ft-lb)	0.00	33.0	66.0	100	134	154	168	200
RPM	1200	1195	1190	1185	1182	1,178	1175	0
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7	
P.F. (%)	5.0	46.0	66.0	75.0	79.0	80.0	80.5	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	217	200	140	38.5	15.0
Torque (ft-lb)	200	175	375	134	0.00

Information Block	
HP	30.0
Sync. RPM	1200



Enclosure	TEAO		
Construction	TTN		
Voltage	230/460#190/380	V	
Frequency	60	Hz	
Design	B		
LR Code letter	G		
Service Factor	1.15		
Temp Rise @ FL	0	° C	
Duty	CONT		
Ambient	40	° C	
Elevation	1,000	feet	
Rotor/Shaft wk²	9.4	Lb-Ft²	
Ret Wdg	3266102 R13		
Sound Pressure @ 1M	999	dBA	
VFD Rating	VARIABLE 10:1		
Outline Dwg	B-SS310480-1300		
Conn. Diag	A-E/E7308T		
Additional Specifications:			
0			
0			
EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	X2 Xm
0.1470	0.1210	0.9130	1.1540 16.2710

Speed -Torque Curve

