

PRODUCT INFORMATION PACKET



Model No: 365TTTS16578AN

Catalog No: 824563.00

..50HP..1200RPM.365T.TEAO.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....COOLING TOWER.....

Cooling Tower



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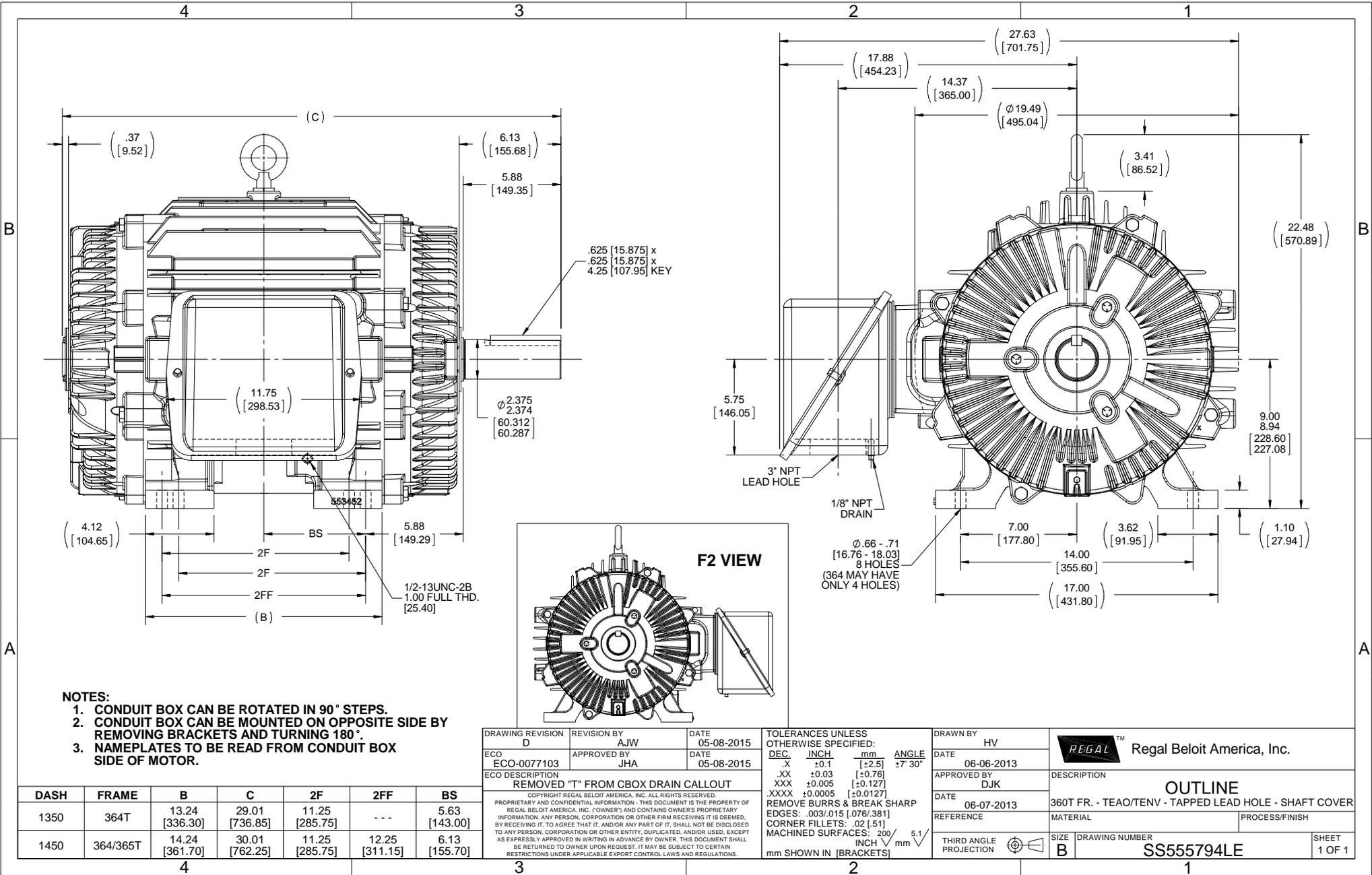


Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	123.0/61.5 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	365TV
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6314
Opp Drive End Bearing Size	6312	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	30.01 in	Frame Length	14.50 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS555794LE-1450	Connection Diagram	A-EE7308T



- NOTES:**
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	2FF	BS
1350	364T	13.24 [336.30]	29.01 [736.85]	11.25 [285.75]	---	5.63 [143.00]
1450	364/365T	14.24 [361.70]	30.01 [762.25]	11.25 [285.75]	12.25 [311.15]	6.13 [155.70]

DRAWING REVISION D
 ECO ECO-0077103
 ECO DESCRIPTION REMOVED "T" FROM CBOX DRAIN CALLOUT
 REVISION BY AJW
 APPROVED BY JHA
 DATE 05-08-2015
 DATE 05-08-2015
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC INCH mm ANGLE
 .X ±0.1 [+2.5] ±7 30°
 .XX ±0.03 [+0.76]
 .XXX ±0.005 [+0.127]
 .XXXX ±0.0005 [+0.0127]
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381]
 CORNER FILLETS: .02 [.51]
 MACHINED SURFACES: 200 INCH 5.1 mm SHOWN IN [BRACKETS]

DRAWN BY HV
 DATE 06-06-2013
 APPROVED BY DJK
 DATE 06-07-2013
 REFERENCE

REGAL™ Regal Beloit America, Inc.

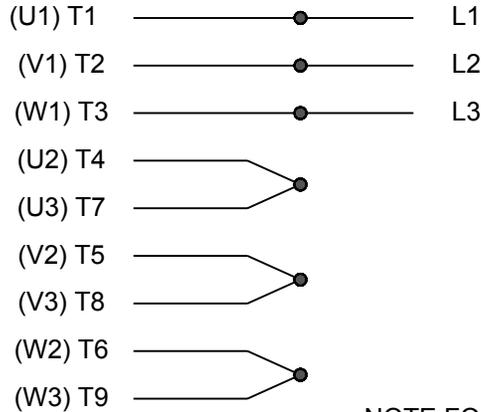
DESCRIPTION **OUTLINE**
 360T FR. - TEAO/TENV - TAPPED LEAD HOLE - SHAFT COVER

MATERIAL PROCESS/FINISH

THIRD ANGLE PROJECTION

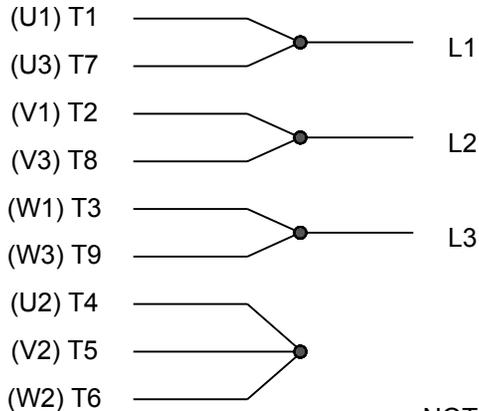
SIZE **B** DRAWING NUMBER **SS555794LE** SHEET 1 OF 1

HIGH VOLTAGE



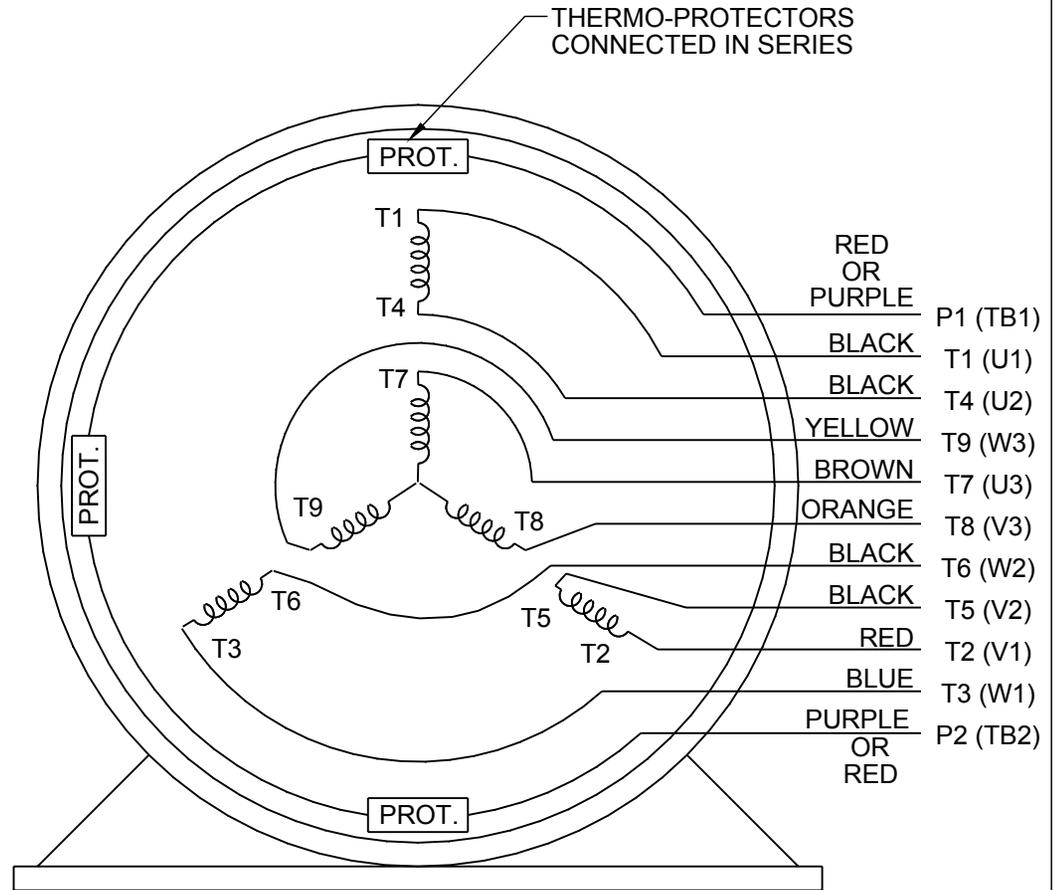
**NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1**

LOW VOLTAGE



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

THREE PHASE DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

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-EET7308T
OUTLINE: B-SS565794LE-1450
WINDING: T367601

CAT #: 824563.00

RS 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
50	37	1200	1182	365TV	TEAO	TTS	G	BC	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	123/61.5&121/60.5	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		
94.5	80.5	94.5	76.0	94.1	66.0	93.6	SQ CAGE INVERTED		
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (% C)					
222 LB-FT	362	445 LB-FT	200%	625 LB-FT	282%	0			
PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
999 DBA	1008 DBA	17.2 LB-FT²	0 LB-FT²	25 SEC.	0	1000 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	UE - LEESON (EPO)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL BALL 6314	POLYREX EM 6312	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON	
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		
0.079	0.071	0.414	0.675	9.991	0.080	ODE		

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

DATE:	1/30/2018	Hz:	
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