

PRODUCT INFORMATION PACKET



Model No: 364TTTS16576AN

Catalog No: 824562.00

..40HP..1200RPM.364T.TEAO.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....COOLING TOWER.....

Cooling Tower



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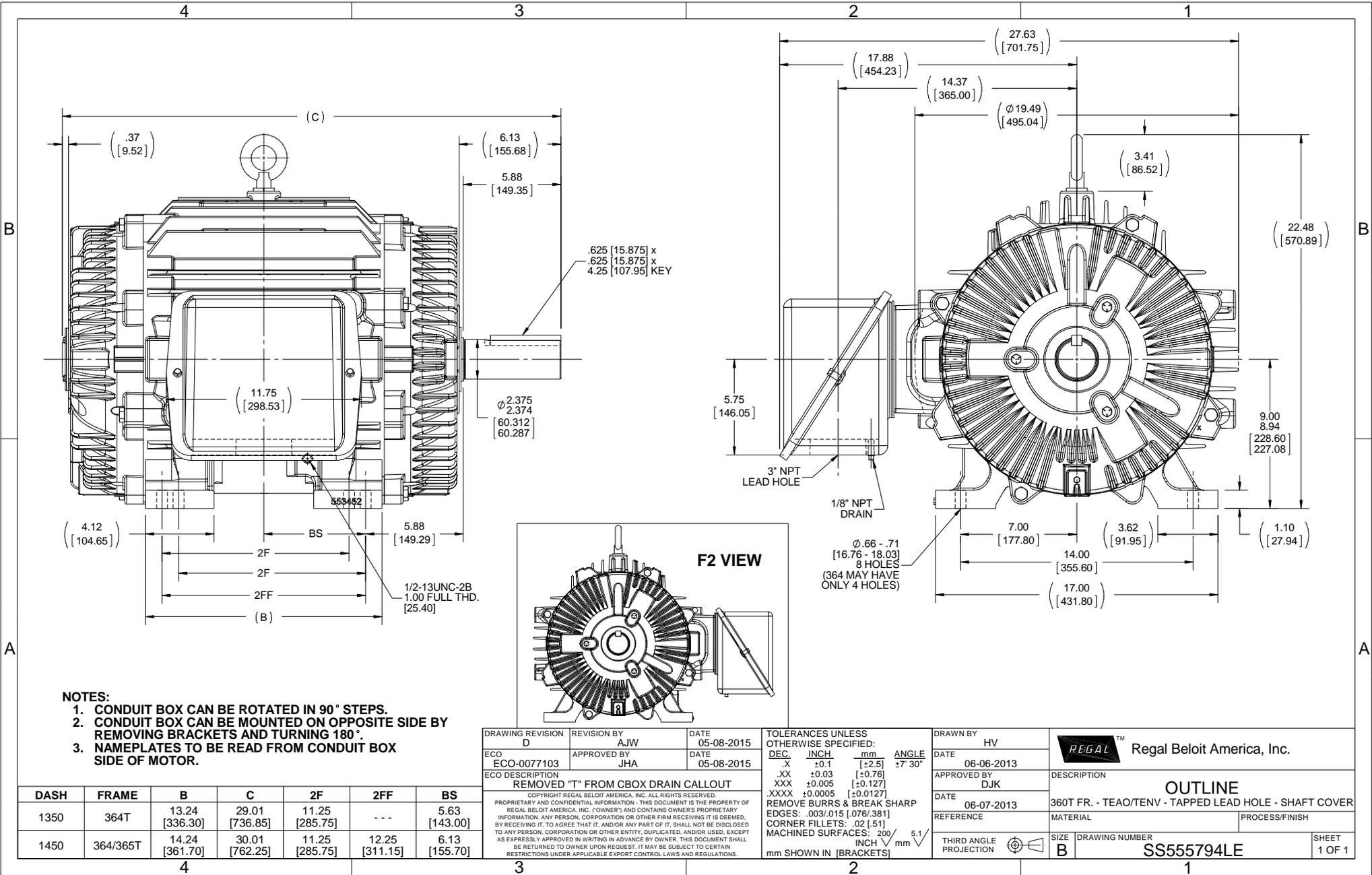


Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	100.0/50.0 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	364T
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
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	29.01 in	Frame Length	13.50 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS555794LE-1350	Connection Diagram	A-EE7308AD



- 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

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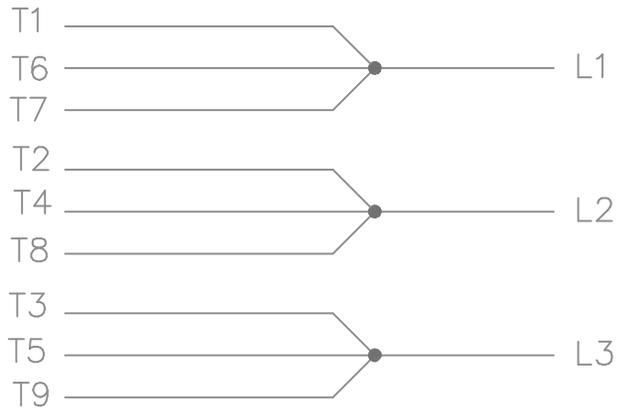
DESCRIPTION **OUTLINE**
 360T FR. - TEAO/TENV - TAPPED LEAD HOLE - SHAFT COVER

MATERIAL PROCESS/FINISH

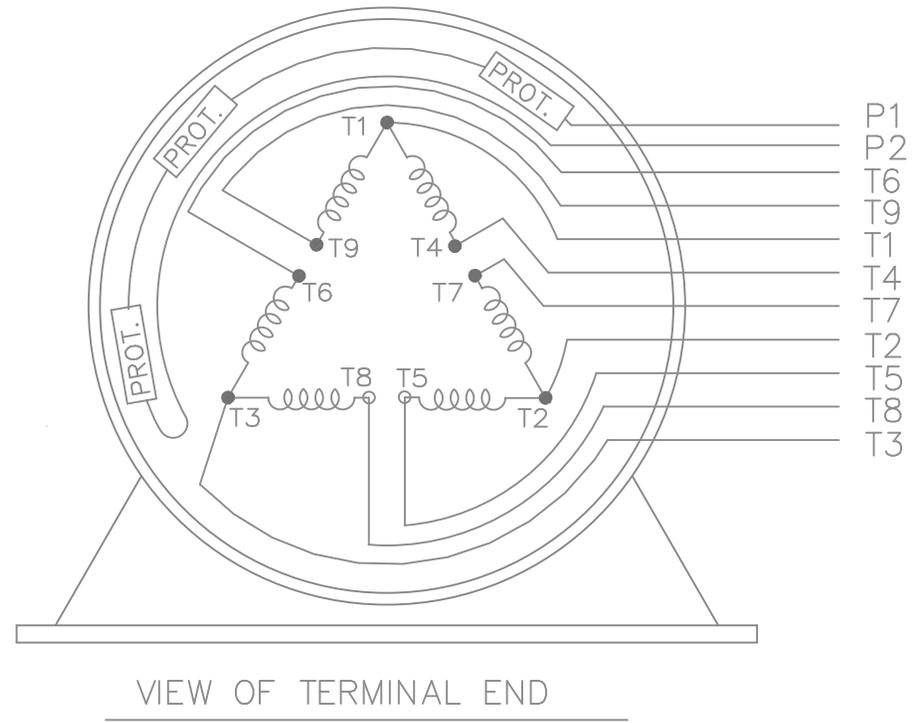
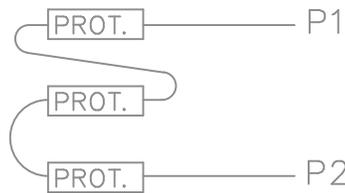
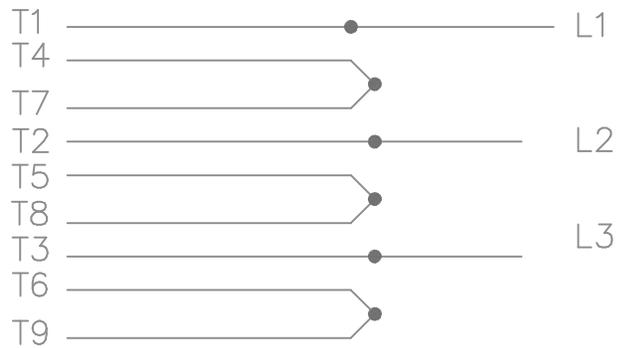
THIRD ANGLE PROJECTION

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

LOW VOLTAGE



HIGH VOLTAGE



WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

				TOLERANCES UNLESS SPECIFIED			DRAWN MJD 12-19-1997				
				DEC.	INCHES		CHK ML 01-07-1998				
				.X	±.1	TITLE CONNECTION DIAGRAM 3φ - WITH PROTECTORS	APPD GK 01-07-1998				
				.XX	±.02		SCALE				
8	HIGH VOLT. SCHEMATIC WAS L1, L3 & L3	CN 32724	DRS 06-12-2004	ML	.XXX ±.005	MAT'L.	REF				
7	REDRAWN ON CADD		MJD 01-07-1998		.XXXX ±.0005		FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV				
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				DIST	WA-LB		A	EE7308AD			8



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET7308AD
OUTLINE: B-SS565794LE-1350
WINDING: T365671

CAT #: 824562.00

R6 5

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
40	30	1200	1185	364T	TEAO	TTS	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	100/50893/46.5	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	94.1	3/4 LD EFF	94.1	1/2 LD EFF	93.6	GTD EFF	93.0	ELECT. TYPE	
F.L. PF	80.0	3/4 LD PF	75.0	1/2 LD PF	64.0	SQ CAGE INVERTED			
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	350 LB-FT	198%	450 LB-FT	B.D. TORQUE	254%	F.L. RISE (°C)	0
177 LB-FT	290								
PRESSURE @3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
999 DBA	1008 DBA	15.0 LB-FT²	0 LB-FT²	25 SEC.	0	850 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 (EPO)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
BALL ODE 6314	POLYREX EM	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		
0.113	0.079	0.518	0.81	12.124	0.080	ODE		

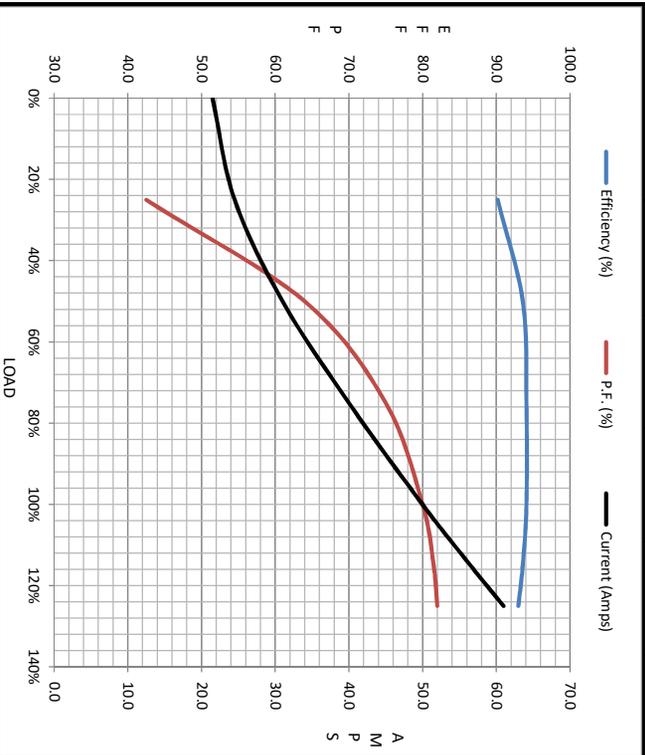
* N O T E S *		INVERTER TORQUE: VARIABLE 10:1	
		INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NONE	
		VOLTAGE: NA	
		NONE PPR	

DATE: 2/1/2018	UL: Y-(LEESON UL REC)	HZ:
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Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	21.5	24.5	31.0	40.0	50.0	290
Torque (ft-lb)	0.00	44.0	88.0	133	177	223
RPM	1200	1195	1192	1188	1185	0
Efficiency (%)		90.2	93.6	94.1	94.1	93.6
P.F. (%)	4.0	42.5	64.0	75.0	80.0	81.5
						82.0

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	1100	1185	1200		40.0	1200	364	TEAO	TTS	230/460#190/380	60	B	G	1.15	0	CONT	40 °C	1,000	15.0	LB-Fr ^e	999	VARIABLE 10:1	B-SS55794LE-1350	A-EE7308AD		
Current (Amps)	290	250	175	50.0	21.5																						
Torque (ft-lb)	350	325	450	177	0.00																						



R1	R2	X1	X2	Xm
0.1130	0.0790	0.3180	0.8100	12.1240

EQUIV CKT (OHMS / PHASE)

