

# PRODUCT INFORMATION PACKET



Model No: 365TTTS14533AP

Catalog No: 824539.00

..75HP..1800RPM.365T.TEAO.230/460V.3PH.60HZ.TEAO.40C.1.15SF.RIGID BASE.....COOLING  
TOWER

Cooling Tower



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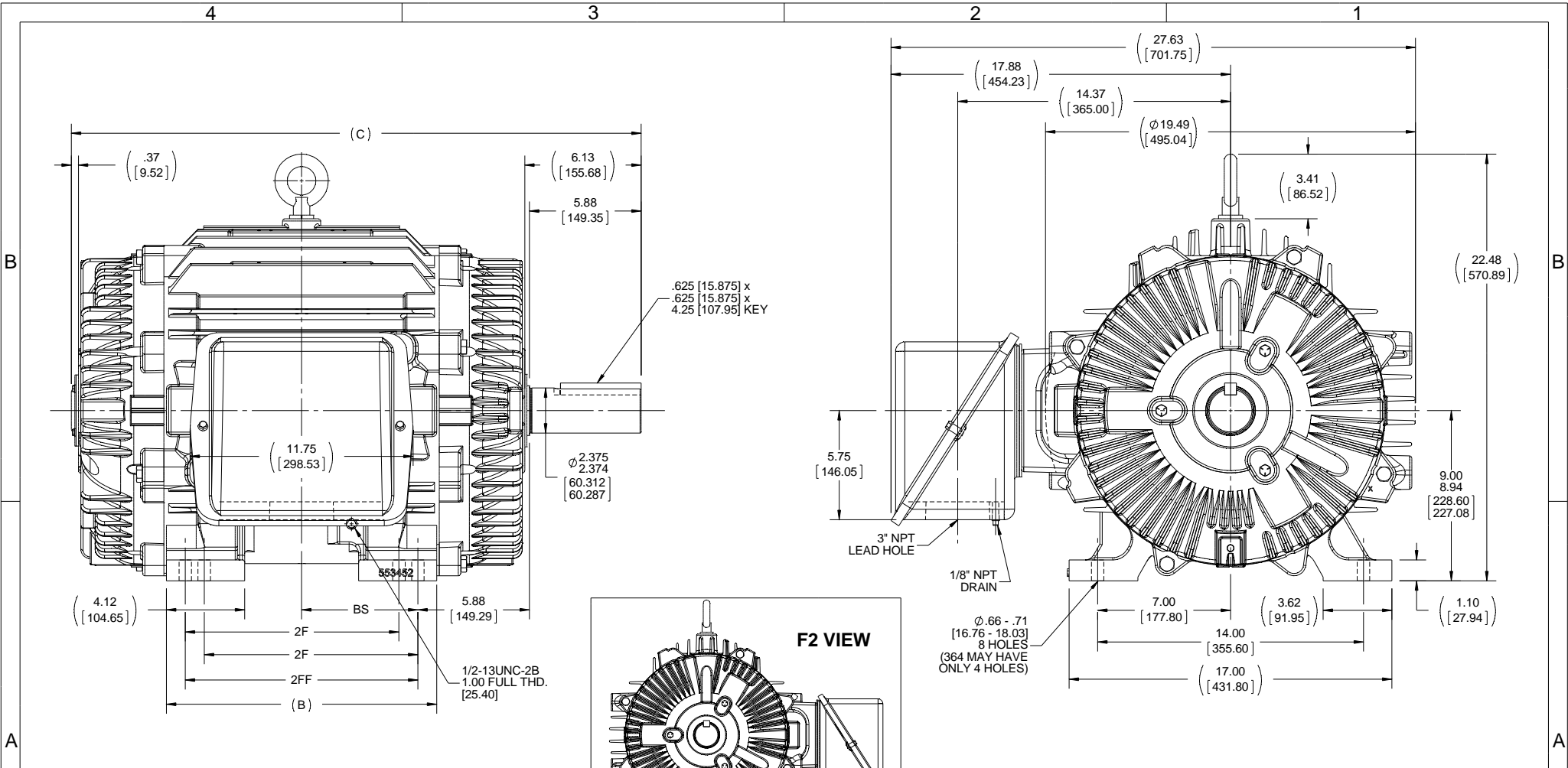


### Nameplate Specifications

Output HP	<b>75 Hp</b>	Output KW	<b>56.0 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>172.0/86.0 A</b>	Speed	<b>1780 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>95.4 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>365TV</b>
Enclosure	<b>Totally Enclosed Air Over</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6314</b>
Opp Drive End Bearing Size	<b>6312</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>56</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL OR UP OR DOWN</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Cast Iron</b>	Shaft Type	<b>T</b>
Overall Length	<b>30.01 in</b>	Frame Length	<b>14.50 in</b>
Shaft Diameter	<b>2.375 in</b>	Shaft Extension	<b>5.88 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>B-SS555794LE-1450</b>	Connection Diagram	<b>A-EE7308AD-LE</b>



- 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 REVISION BY AJW DATE 05-08-2015  
 ECO ECO-0077103 APPROVED BY JHA DATE 05-08-2015  
 ECO DESCRIPTION  
 REMOVED "T" FROM CBOX DRAIN CALLOUT  
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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/mm 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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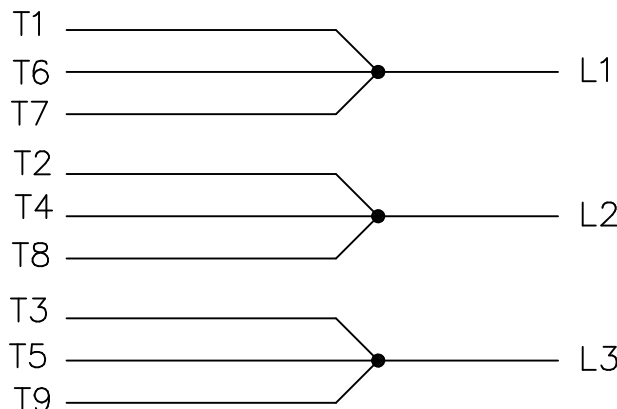
DESCRIPTION  
**OUTLINE**  
 360T FR. - TEAO/TENV - TAPPED LEAD HOLE - SHAFT COVER

MATERIAL PROCESS/FINISH

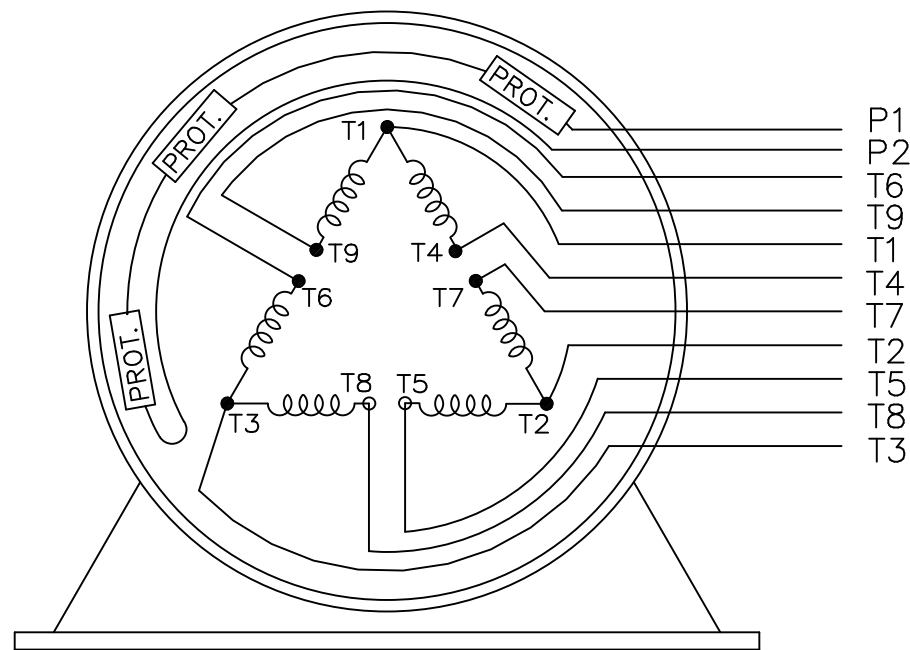
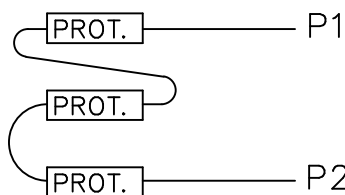
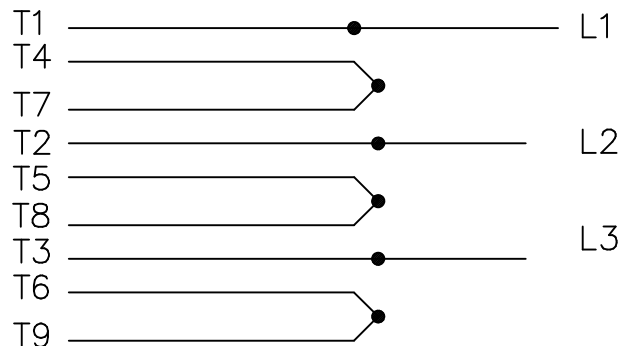
THIRD ANGLE PROJECTION

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

LOW VOLTAGE




HIGH VOLTAGE



VIEW OF TERMINAL END

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

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN NJS 05-15-2002		
				DEC.	INCHES		CHK	ML 05-20-2002	
				.X	±.1		APPD	TB 05-20-2002	
				.XX	±.02	TITLE CONNECTION DIAGRAM	SCALE		
2	HIGH VOLT. SCHEMATIC WAS L1, L3, & L3	CN 32724	DRS 06-12-2004	ML	.XXX ±.005	3Ø - WITH PROTECTORS	REF		
1	NEW DRAWING	CN 35132	NJS 05-20-2002	TB	.XXXX ±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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 ee7308ad_le		SIZE	DRAWING NO. PAGE OF	REV.
				DIST	WA-LB	A	EE7308AD-LE	2	



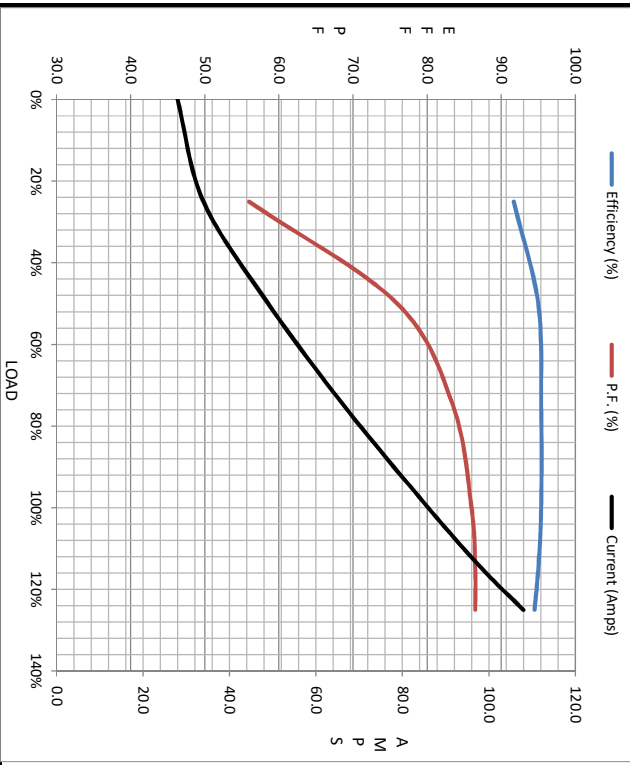
Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	28.0	34.0	49.0	66.5	86.0	98.5	108	542
Torque (ft-lb)	0.00	55.0	110	166	221	255	278	445
RPM	1800	1795	1790	1785	1780	1775	1772	0
Efficiency (%)		91.7	95.0	95.4	95.4	95.0	94.5	
P.F. (%)	4.5	56.0	76.0	83.5	86.0	86.5	86.5	35.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1780	1800
Current (Amps)	542	500	300	86.0	28.0
Torque (ft-lb)	445	375	575	221	0.00

Information Block

HP	75.0			
Sync. RPM	1800			
Frame	365			
Enclosure	TEAO			
Construction	TTS			
Voltage	230/460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	18.5 lb-Ft <sup>2</sup>			
Ref Wdg	T367/405 R19			
Sound Pressure @ 1M	999 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS55794LE-1450			
Conn. Diag	A-E-E7308AD-LE			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0380	0.0370	0.3200	0.3880	9.2420



Speed - Torque Curve

