PRODUCT INFORMATION PACKET

Model No: 364TTTS14531AP

Catalog No: 824538.00

..60HP..1800RPM.364T.TEAO.230/460V.3PH.60HZ.AIR OVER.40C.1.15SF.RIGID BASE.....COOLING TOWER

Cooling Tower

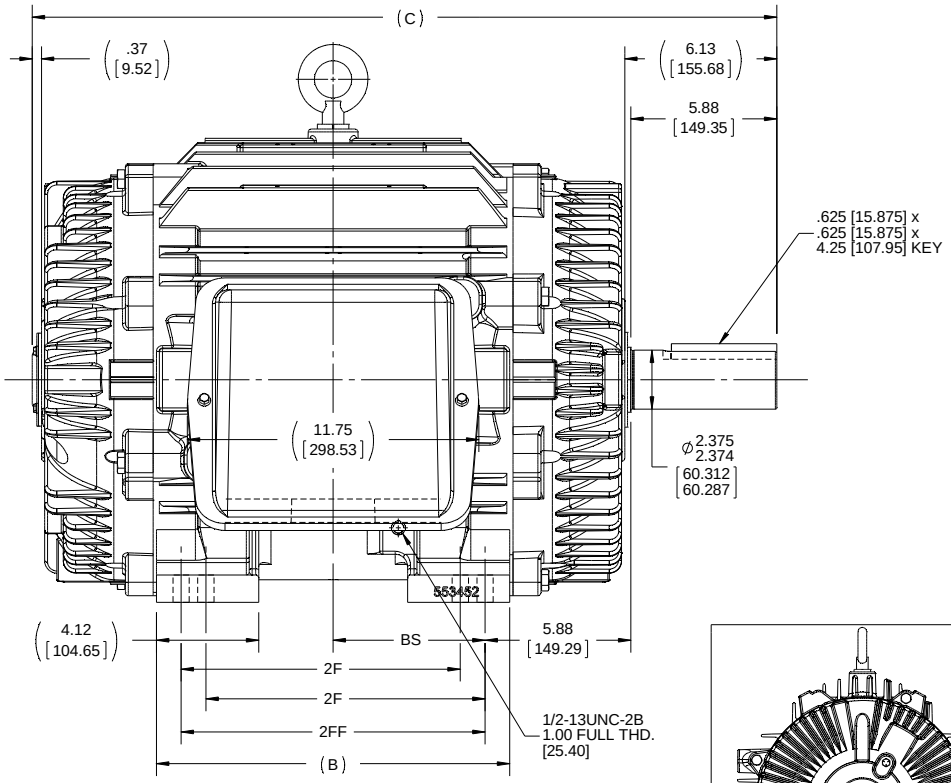
Product Information Packet: Model No: 364TTTS14531AP, Catalog No:824538.00
..60HP..1800RPM.364T.TEAO.230/460V.3PH.60HZ.AIR OVER.40C.1.15SF.RIGID BASE.....COOLING TOWER

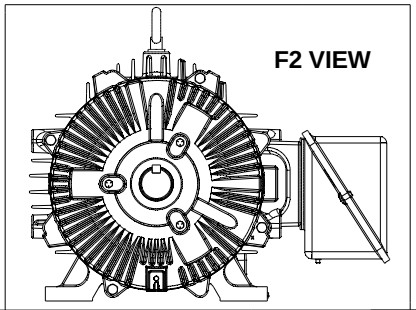
Nameplate Specifications

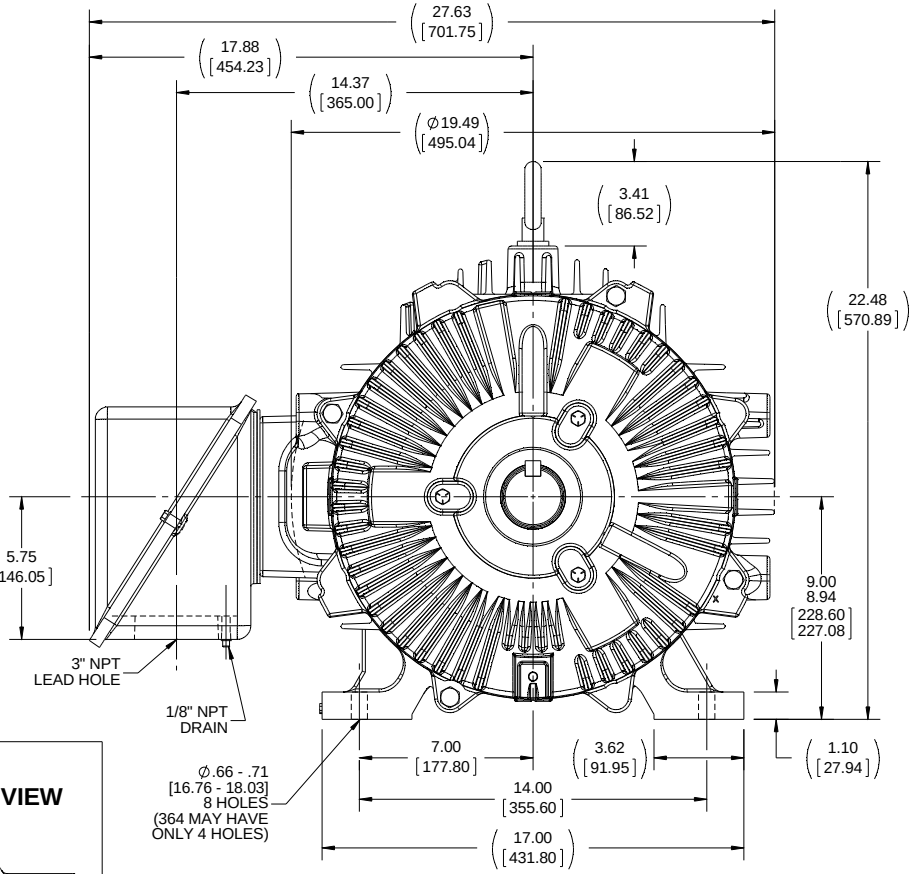
Output HP	**60 Hp**	Output KW	**45.0 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**144.0/72.0 A**	Speed	**1775 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**93.6 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Frame	**364TV**
Enclosure	**Totally Enclosed 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	**4**	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	**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-LE**







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	REVISION BY	DATE
D	AJW	05-08-2015
ECO	APPROVED BY	DATE
ECO-0077103	JHA	05-08-2015

ECO DESCRIPTION
REMOVED "T" FROM CBOX DRAIN CALLOUT

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
mm SHOWN IN [BRACKETS]

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

THIRD ANGLE PROJECTION

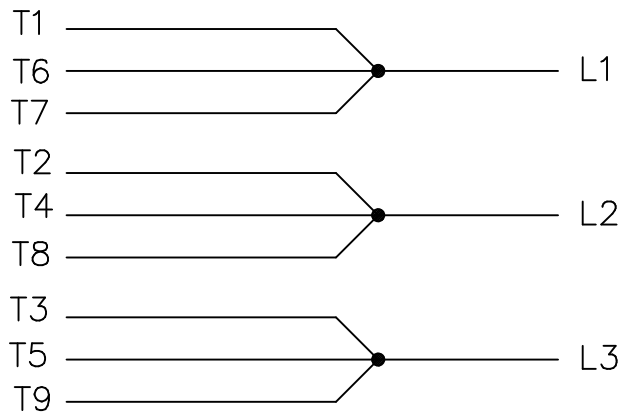
Regal Beloit America, Inc.

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

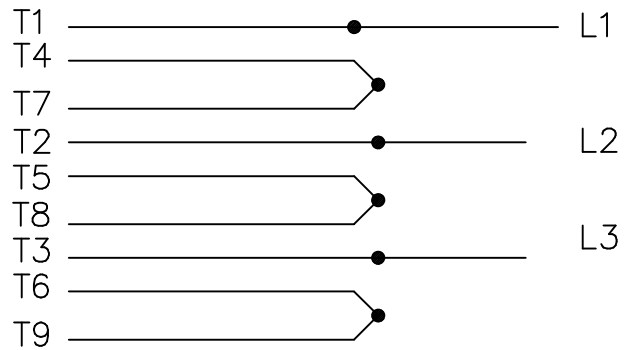
MATERIAL | PROCESS/FINISH

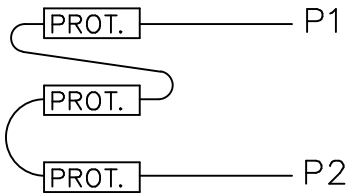
SIZE	DRAWING NUMBER	SHEET
B	SS555794LE	1 OF 1

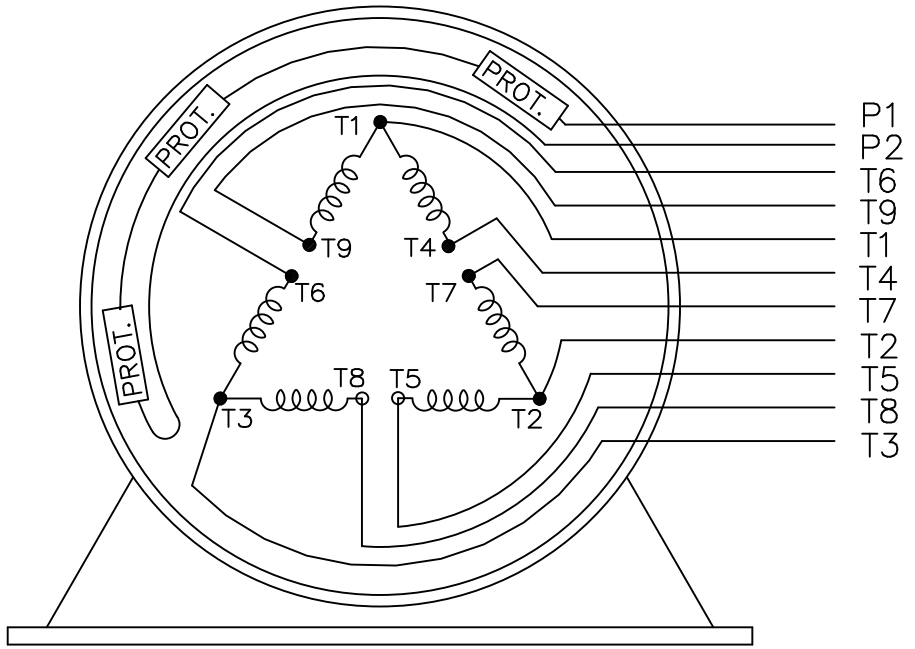
LOW VOLTAGE



HIGH VOLTAGE







VIEW OF TERMINAL END

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

NO.	REVISION	BY & DATE	CHK
2	HIGH VOLT. SCHEMATIC WAS L1, L3, & L3 CN 32724	DRS 06-12-2004	ML
1	NEW DRAWING CN 35132	NJS 05-20-2002	TB

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

LEESON — ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM
3Ø – WITH PROTECTORS

MAT'L.

FINISH

CAD FILE ee7308ad_le

RFP

DIST WA-LB

DRAWN	NJS 05-15-2002
CHK	ML 05-20-2002
APPD	TB 05-20-2002
SCALE	
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308AD-LE | PAGE OF | REV. 2

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Data Sheet

Date: 1/22/2018

824538.00

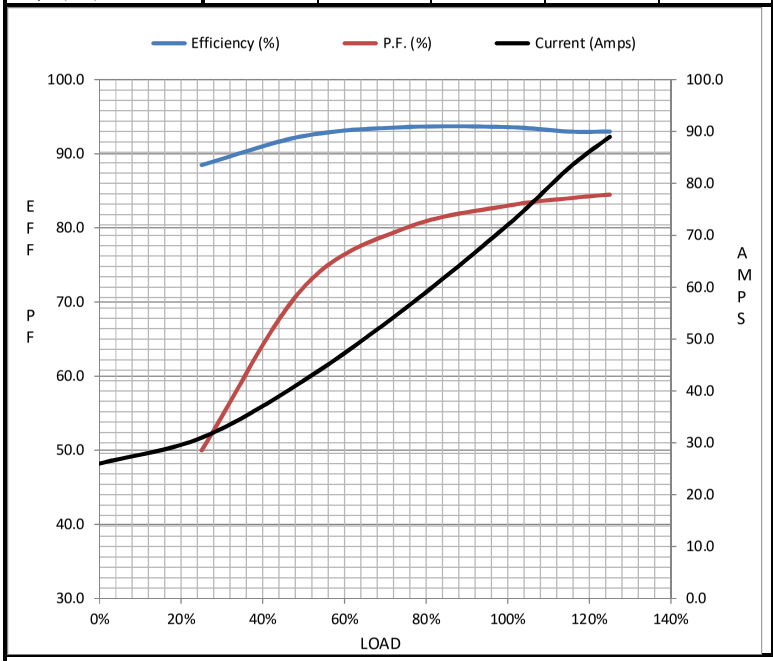
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	26.0	31.0	42.0	56.0	72.0	83.0	89.0	435	
Torque (ft-lb)	0.00	44.0	88.0	133	177	205	222	375	
RPM	1800	1795	1790	1785	1775	1,772	1770	0	
Efficiency (%)		88.5	92.4	93.6	93.6	93.0	93.0		
P.F. (%)	6.0	50.0	72.0	80.0	83.0	84.0	84.5	37.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1775	1800
Current (Amps)	435	350	250	72.0	26.0
Torque (ft-lb)	375	350	475	177	0.00



Information Block

HP	60.0	
Sync. RPM	1800	
Frame	364	
Enclosure	TEAO	
Construction	TTS	
Voltage	230/460	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	14.5	Lb-Ft²
Ref Wdg	T3644133 R6	
Sound Pressure @ 1M	999	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	B-SS555794LE-1350	
Conn. Diag	A-EE7308AD-LE	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0700	0.0470	0.3800	0.4820	9.6260

Speed -Torque Curve