

PRODUCT INFORMATION PACKET



Model No: 404TTTS16576AN

Catalog No: 824564.00

..60HP..1200RPM.404T.TEAO.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....COOLING TOWER.....

Cooling Tower



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REGAL

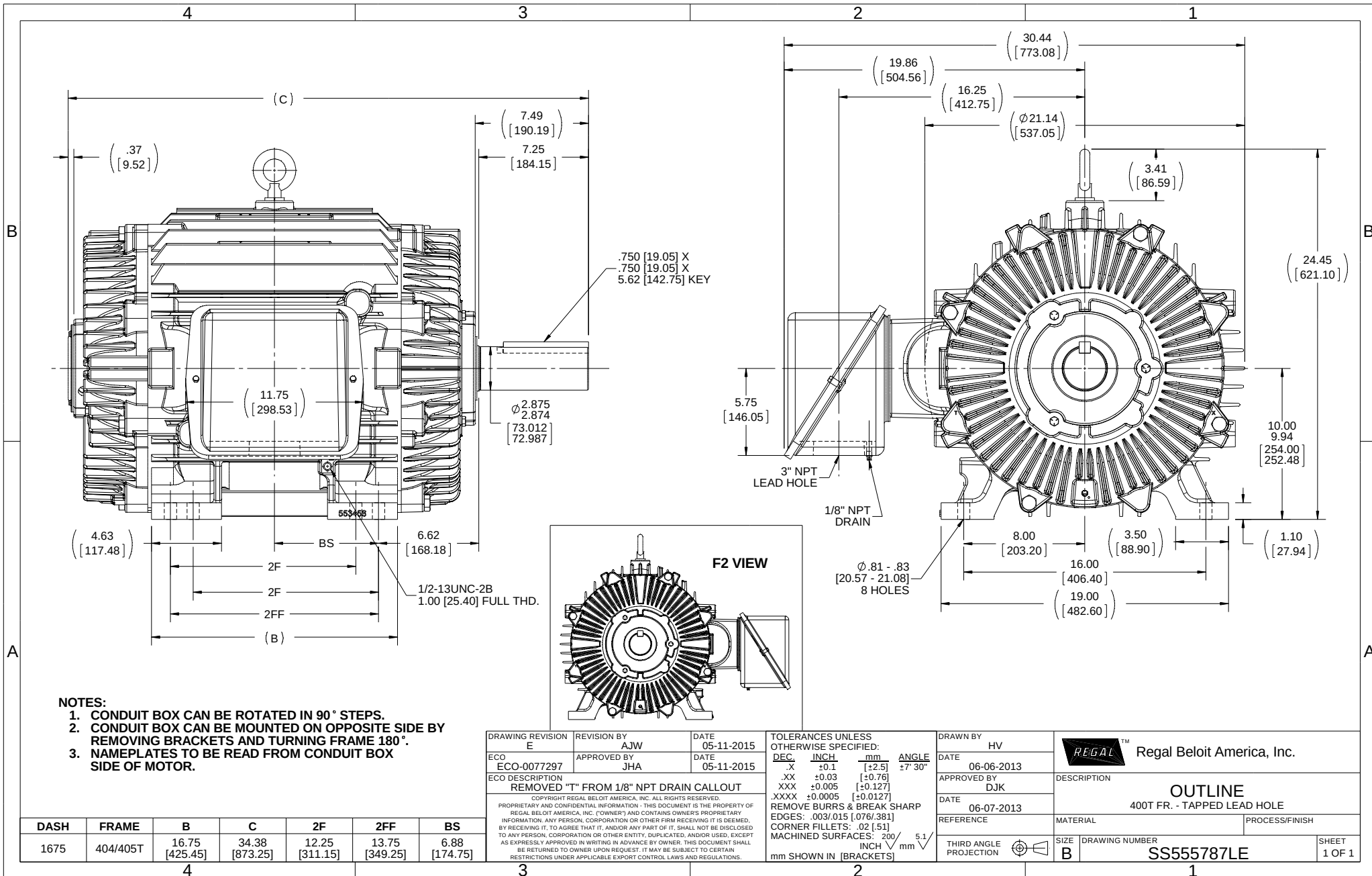


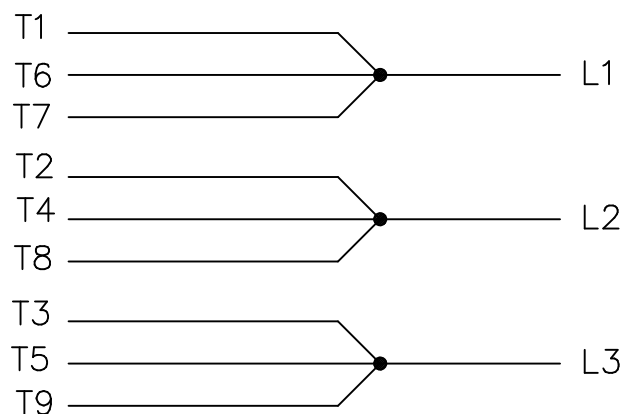
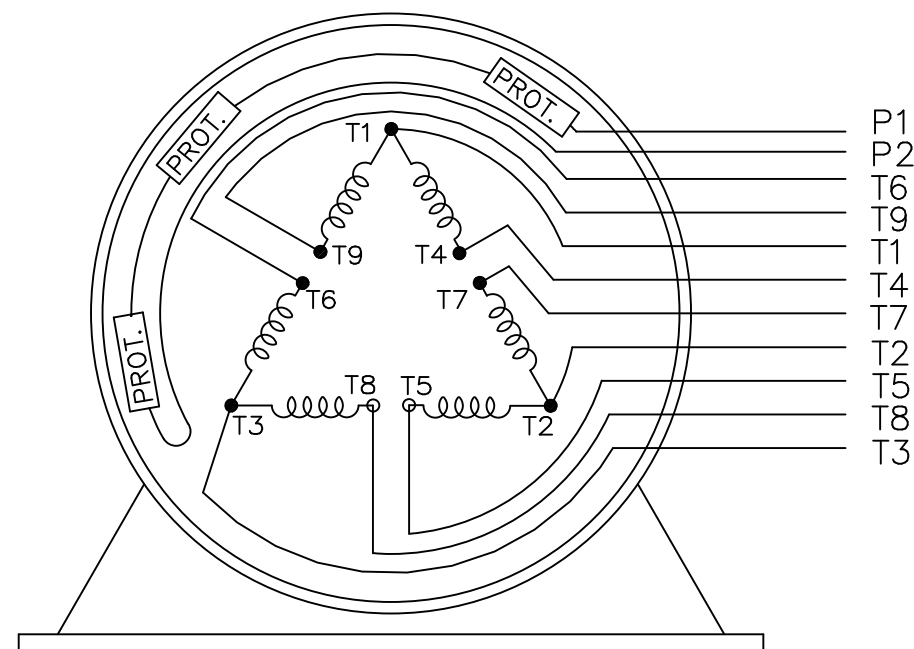
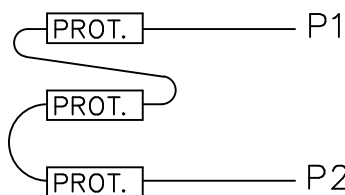
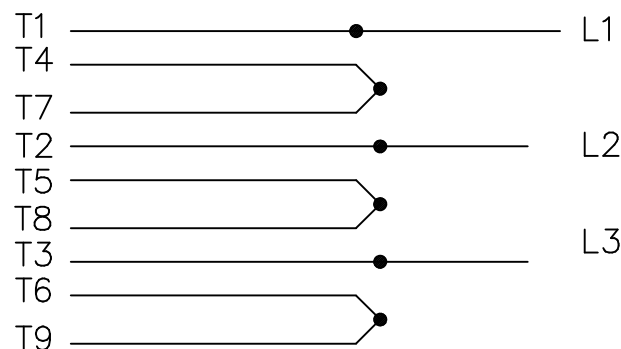
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	144.0/72.0 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	404T
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6316
Opp Drive End Bearing Size	6313	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

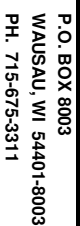
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	34.38 in	Frame Length	16.75 in
Shaft Diameter	2.875 in	Shaft Extension	7.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS555787LE-1675	Connection Diagram	A-EE7308AD-LE



LOW VOLTAGEHIGH VOLTAGEVIEW 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		SCALE			
2	HIGH VOLT. SCHEMATIC WAS L1, L3, & L3 CN 32724	DRS 06-12-2004	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – WITH PROTECTORS	REF			
1	NEW DRAWING CN 35132	NJS 05-20-2002	TB	.XXXX	±.0005		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



CERTIFICATION DATA SHEET

R8
1

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE
60	45	1200	1185	404T	TEAO	TTS
						KVA CODE
						G
						BC

*** SUPPLEMENTAL INFORMATION ***

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

BRAKE:	NONE	NONE
FT-LB:	NA	
VOLTAGE:	NONE	
UL:	Y-(LEESON UL REC)	

Data Sheet

Date: 1/22/2018

824564.00



Data @ 460 V

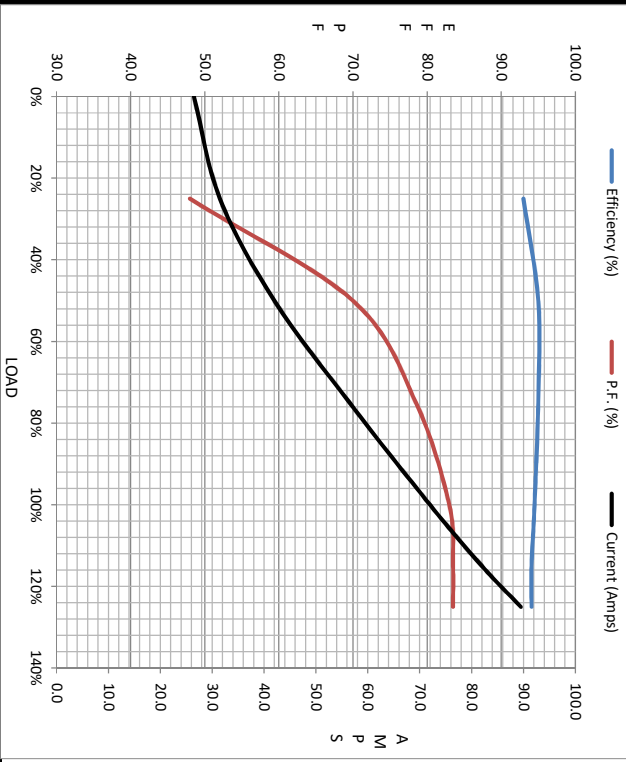
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	26.5	31.5	42.0	56.5	72.0	82.0	89.5	435
Torque (ft-lb)	0.00	65.5	132	199	266	306	333	535
RPM	1200	1196	1194	1188	1185	1,182	1180	0
Efficiency (%)						94.1	94.1	
P.F. (%)	4.5	48.0	70.0	78.5	83.0	83.5	83.5	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1050	1185	1200
Current (Amps)	435	390	240	72.0	26.5
Torque (ft-lb)	535	475	650	266	0.00

Information Block	
HP	60.0
Sync. RPM	1200
Frame	404
Enclosure	TEAO
Construction	TTS
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 wk ²	33.5 Lb-Ft ²
Ref Wdg	T404640 R8
Sound Pressure @ 1M	999 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	B-SS565787LE-1675
Conn. Diag	A-EET308AD-LE
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0710	0.0430
X1	X2
0.3940	0.5270
Xm	9.5450



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Speed -Torque Curve

