

PRODUCT INFORMATION PACKET



Model No: 449TTTS16577AA

Catalog No: 824569.00

..200HP..1200RPM.445T.TEAO.460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....COOLING TOWER.....

Cooling Tower



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REGAL

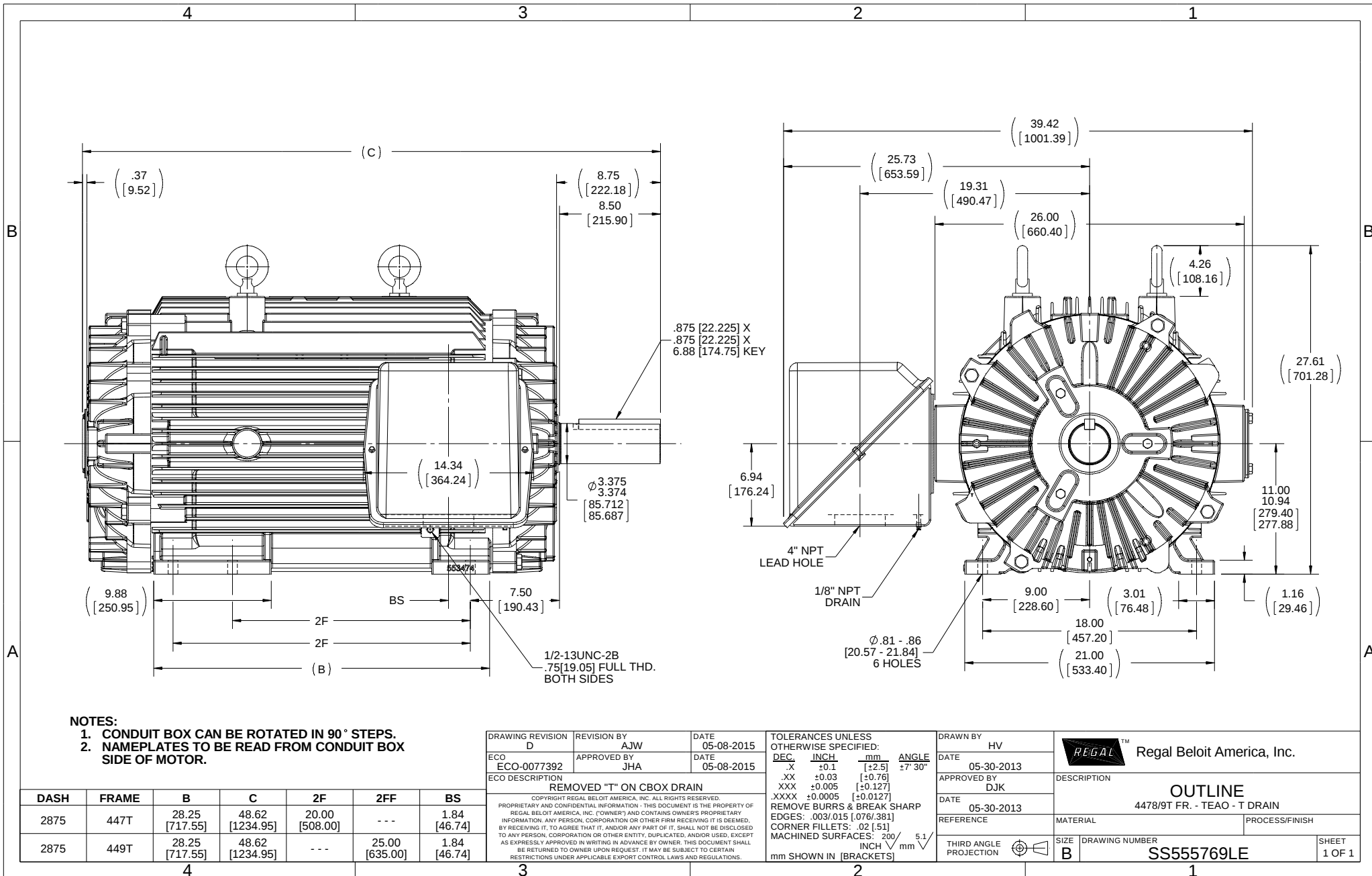


Nameplate Specifications

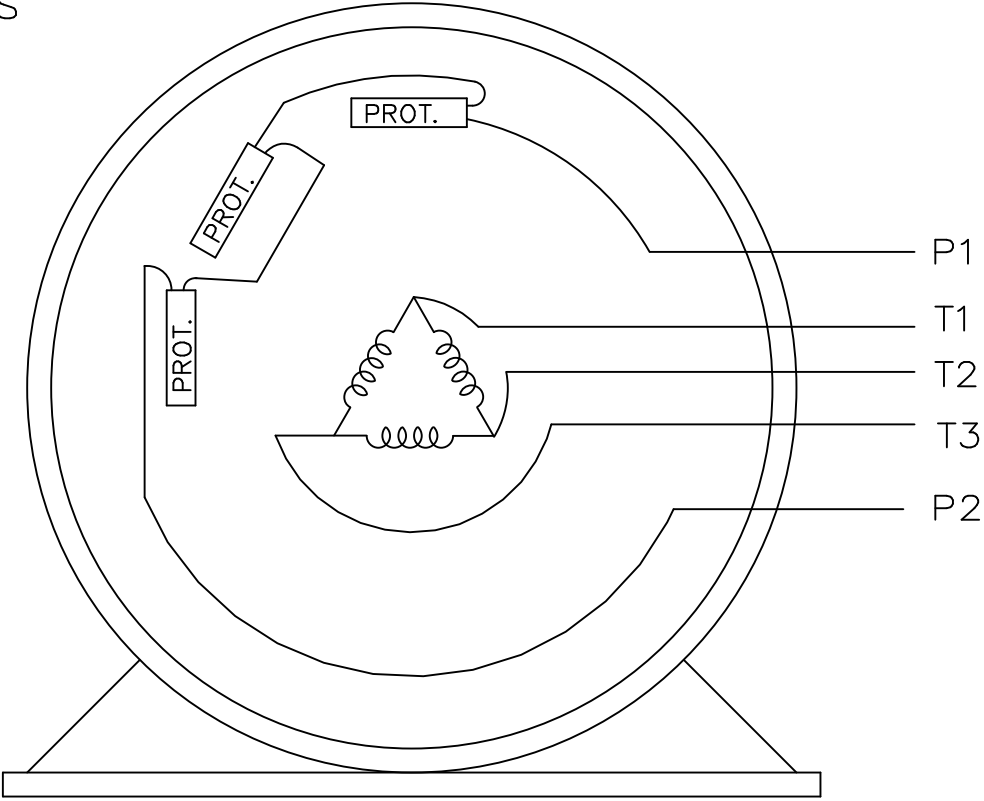
Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	460 V
Current	240.0 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	447/449TV
Enclosure	Totally Enclosed Air Over	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6319
Opp Drive End Bearing Size	6318	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	48.62 in	Frame Length	28.75 in
Shaft Diameter	3.375 in	Shaft Extension	8.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS555769LE-2875	Connection Diagram	A-EE7300S-LE

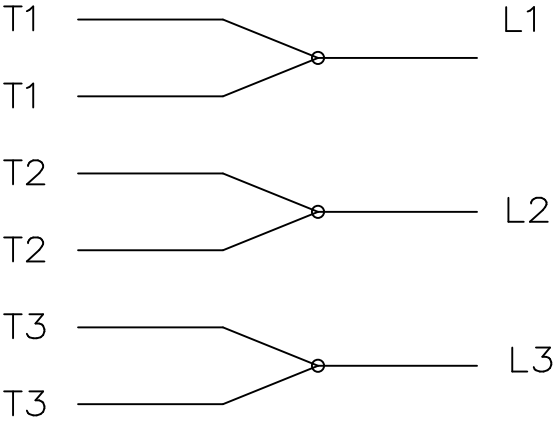


SINGLE VOLTAGE
THREE PHASE MOTOR
WITH 2 LEADS OUT FROM PROTECTORS
PROTECTORS CONNECTED IN SERIES



VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DRS 01-21-2003						
				DEC.	INCHES		CHK	ML 01-21-2003					
				.X	± -		APPD	TB 01-21-2003					
				.XX	± -		TITLE CONNECTION DIAGRAM 3ø - SINGLE VOLTAGE			SCALE	1=1		
				.XXX	± -					REF			
1	NEW DRAWING	CN 36098	DRS 01-21-2003	TB	.XXXX	± -	MAT'L.			FMF			
NO.	REVISION		BY & DATE	CHK	ANG	± -	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 EE7300S-			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST LB					A	EE7300S-LE			1



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EET300S-LE
OUTLINE: B-SS565769LE-2875
WINDING: T449627

R14 3

CAT #:

824569.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
200	149	1200	1190	447/449TV	TEAO	TTN	G	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60/50	460#380	240&220	LINE OR INVERTER	CONT	F	1.15	40	3300			
F.L. EFF		95.8	3/4 LD EFF	96.0	1/2 LD EFF	95.0	ELECT. TYPE					
F.L. PF		81.0	3/4 LD PF	78.0	1/2 LD PF	70.0	95.4	SQ CAGE INV RATED				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)				
883	LB-FT	1,450		1,325 LB-FT		150%		2,100 LB-FT		238%	0	
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT
999	dBA	1008	dBA	115	LB-FT²	2700	LB-FT²	25	SEC.	2		2750 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	ZONTAL OR UP OR DUM	SEVERE	NONE	NO	NONE	UE - LEESON (EPO)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
DE CODE								
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	
6319	6318							
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		
0.01	0.01	0.125	0.16	2.741	0.080	ODE		

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

ENCODER: NONE
NONE
NONE
NONE PPR

DATE: 2/1/2018

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

HZ:

Data Sheet

Date: 2/1/2018

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Data @ 460 V

Motor Load Data

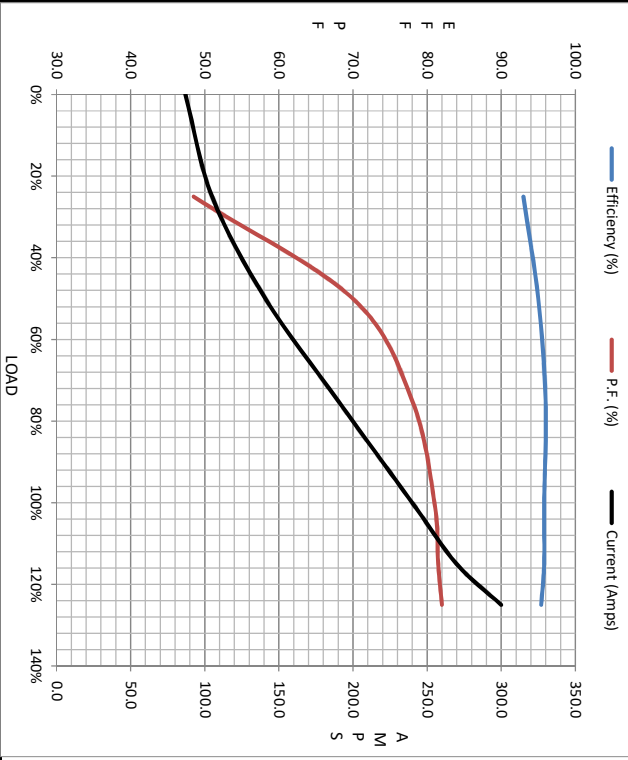
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	87.0	105	141	190	240	270	300	1,450
Torque (ft-lb)	0.00	219	440	661	883	995	1,107	1,325
RPM	1200	1196	1194	1192	1190	1,188	1,186	0
Efficiency (%)		93.0	95.0	96.0	95.8	95.8	95.4	
P.F. (%)	4.0	48.5	70.0	78.0	81.0	81.5	82.0	25.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1125	1190	1200
Current (Amps)	1,450	1,350	825	240	87.0
Torque (ft-lb)	1,325	1,300	2,100	883	0.00

Information Block

HP	200.0			
Sync. RPM	1200			
Frame	449			
Enclosure	TEAO			
Construction	TTN			
Voltage	460#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 wk²	115 Lb-Ft²			
Ref Wdg	T149627 R14			
Sound Pressure @ 1M	999 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS555769LE-2875			
Conn. Diag	A-EE7300S-1E			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0100	0.0100	0.1250	0.1600	2.7410



Speed -Torque Curve

