

National TAB

Project: 16 Lots Brewing Company (Newport, KY)

System/Unit: AHU/RTU



Asset: RTU-2

AREA:105

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	NA
Model Num	NA	YCD211C4H1
Configuration	-	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	37"x23"
Num PreFilter 1	-	16
PreFilter Size 1	-	16"x20"x2"

Test Data		
	Design	Actual
SF CFM	14400	14386
SF RPM	-	3865
RA CFM	9980	11115
OA CFM	4420	3278
RL Voltage	480	487/489/484
RL Amperage	-	8.93/8.85/9.63
OA Damper Position	-	15%
Brake Horse Power	-	3.3

Motor Data		
	Design	Actual
Motor MFG	-	Magnetek
Frame	-	ST215T
Horsepower	-	10
Motor Rpm	-	1745
Phase	3	3
Rated Voltage	480	460
Rated Amperage	-	26.8
Service Factor	-	1.15

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.62"
Fan Suction SP	-	-1.01"
Fan Discharge SP	-	0.75"
Total ESP	-	1.63"
Fan Total SP	-	1.76"

Drive Data		
	Design	Actual
Motor Sheave Size	-	7.5"
Motor Bore Size	-	1.25"
Motor Sheave SetPt	-	0 TURNS OUT
Fan Sheave Size	-	19"
Fan Sheave Bore	-	1.25"
Belt CL Distance	-	35"
Num of Belts	-	1
Belt Size	-	BX108

Completed By: Jordan Best on 05/04/2023

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Project: 16 Lots Brewing Company (Newport, KY)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/105

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1	104	EX-SR		800	873	817	102.1
2-2	104	EX-SR		800	782	789	98.6
2-3	104	EX-SR		800	766	772	96.5
2-4	104	EX-SR		800	854	843	105.4
2-5	104	EX-SR		300	312	309	103.0
2-6	104	EX-SR		300	366	327	109.0
2-7	104	EX-SR		300	272	298	99.3
2-8	104	EX-SR		300	338	321	107.0
2-9	104	EX-SR		300	314	302	100.7
2-10	104	EX-SR		800	622	747	93.4
2-11	104	EX-SR		800	533	782	97.8
2-12	121	SR-2	12X6	300	302	338	112.7
2-13	121	SR-2	12X6	300	308	345	115.0
2-14	121	SR-2	12X6	300	315	332	110.7
2-15	102	CD-1	24X24	200	191	204	102.0
2-16	121	SR-2	12X6	300	322	334	111.3
2-17	121	SR-2	12X6	300	318	328	109.3
2-18	122	CD-1	24X24	100	109	118	118.0
2-19	106	SR-1	18X12	600	803	634	105.7
2-20	108	CD-1	24X24	200	225	217	108.5
2-21	109	CD-1	24X24	200	241	205	102.5
2-22	106	SR-1	18X12	800	129	483	60.4
2-23	105	EX-SR		800	970	823	102.9
2-24	107	EX-SR		800	1100	867	108.4
2-25	107	EX-SR		800	873	854	106.8
2-26	107	EX-SR		300	426	337	112.3
2-27	107	EX-SR		300	354	327	109.0
2-28	107	EX-SR		300	279	319	106.3
2-29	107	EX-SR		300	268	328	109.3
2-30	107	EX-SR		300	347	339	113.0
2-31	107	EX-SR		300	355	347	115.7
2-32	105	EX-SR		300	0	0	0.0
Total				14400	14267	14386	99.9%

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Project: 16 Lots Brewing Company (Newport, KY)

System/Unit: AHU/RTU



Asset: RTU-3

AREA:120

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	R39103338D
Model Num	NA	YCD211C4HABA
Configuration	-	VERTICAL
Num PreFilter 1	-	4
PreFilter Size 1	-	20"x20x2"

Motor Data		
	Design	Actual

Drive Data		
	Design	Actual
Motor Sheave Size	-	4"
Motor Bore Size	-	0.75"
Motor Sheave SetPt	-	0 TURNS OUT
Fan Sheave Size	-	16"
Fan Sheave Bore	-	1.18"
Belt CL Distance	-	22.5"
Num of Belts	-	1
Belt Size	-	BX75

Test Data		
	Design	Actual
SF CFM	5990	4766
SF RPM	-	875
RA CFM	0	4239
OA CFM	600	528
RL Voltage	480	488.8/485.7/490
RL Amperage	-	5.53/4.28/5.35
OA Damper Position	-	15%

Performance Data		
	Design	Actual
MA Plenum SP	-	1.03"
Fan Suction SP	-	1.25"
Fan Discharge SP	-	0.48"
Total ESP	-	2.28"
Fan Total SP	-	1.73"

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AHU/RTU



Diffuser Supply (GRD)

RTU-3/120

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	112	EX-SR		650	0	0	0.0
3-2	110	EX-CD		350	299	340	97.1
3-3	111	EX-CD		585	306	510	87.2
3-4	113	EX-CD		350	269	412	117.7
3-5	111	EX-CD		585	322	556	95.0
3-6	112	EX-CD		585	360	429	73.3
3-7	111	EX-CD		585	398	338	57.8
3-8	112	EX-CD		585	373	431	73.7
3-9	111	EX-CD		585	329	454	77.6
3-10	116	EX-CD		140	161	191	136.4
3-11	123	EX-CD		200	204	245	122.5
3-12	119	EX-CD		420	287	403	96.0
3-13	119	EX-CD		320	248	334	104.4
3-14	120	EX-SR		50	97	123	246.0
Total				5990	3653	4766	79.57%

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Project: 16 Lots Brewing Company (Newport, KY)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:120

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	150RH6B
Serial Num	-	
Type	-	CRE UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	3.5
Service Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Test Data		
	Design	Actual
CFM	780	
Fan RPM	1821	
RL Voltage	-	208
RL Amperage	-	3.5
Suction ESP	-	
Discharge ESP	-	
Total ESP	2.0	
Brake Horse Power	-	.628

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Project: 16 Lots Brewing Company (Newport, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-1/120

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E1-1	ER-2		150					-
E1-2	ER-1	12X12	75					-
E1-3	ER-1	12X12	75					-
E1-4	ER-1	12X12	75					-
E1-5	ER-1	12X12	75					-
E1-6	ER-1	12X12	75					-
E1-7	EX-EG		100					-
E1-8	EX ER		75					-
Total			700		0	0	0	0%

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Project: 16 Lots Brewing Company (Newport, KY)

System/Unit: FAN - Supply



Asset: SF-1

AREA:118

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	70SQN-B
Serial Num	-	108SK42977-00

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Horsepower	-	0.33
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	7.2
Service Factor	-	1.35

Drive Data		
	Design	Actual

Test Data		
	Design	Actual
CFM	270	403
RL Voltage	-	120
RL Amperage	-	7.2
Suction ESP	-	-0.11"
Discharge ESP	-	0.35"
Total ESP	1.0	0.46"
Brake Horse Power	-	0.21

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FAN - Supply



Diffuser Supply (GRD)

SF-1/118

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
S1-1	118	CD-2	24X24	270	420		-
Total				270	420	0	0%