

National TAB

Project: 05-23 SWEETGREEN (HOU) - CYPRESS, TX (TAB + IAQ)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU1

AREA:SERVELINE

Unit Data		
	Design	Actual
MFG	EXISTING	NA
Serial Num	-	NA
Model Num	NA	NA
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num OA Filters 2	-	
OA Filter Size 2	-	
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA
Num Final Filter 2	-	NA
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	NA
Phase	3	1
Rated Voltage	208	120
Rated Amperage	-	NA
Service Factor	-	
Efficiency	-	
Power Factor	-	

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

Test Data		
	Design	Actual
SF CFM (Initial)	-	
SF CFM	1200	1101
SF RPM (Initial)	-	
SF RPM	-	DIRECT DRIVE
RA CFM	1050	963
OA CFM	150	138
RL Voltage	-	119
RL Amperage Initial	-	
RL Amperage	-	2.5
SF Rotation	-	CW
VFD Max SetPt	-	
VFD Min SetPt	-	
RA Damper Position	-	N/A
OA Damper Position	-	
OA Damper Type	-	MANUAL
Min OA Damper Position	-	OPEN
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.37"
Fan Suction SP	-	-0.51"
Fan Discharge SP	-	0.40"
Total ESP	-	0.77"
Fan Total SP	-	0.91"

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Unit Filters Clean	-	YES
Evap Coil Clean	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Condensate Drain Installed	-	YES

Completed By: Wesley John

Notes:UNIT PAINTED BLACK. CANNOT RETRIEVE DATA. FILTER/MOTOR DATA NOT ACCESSIBLE.



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AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

AHU1/SERVELINE

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM
SGRD1	WAREWASH	A		300	269	309	276
	% to design						
	92.0						
SGRD2	WAREWASH	A		300	238	268	271
	% to design						
	90.3						
SGRD3	HOT PREP	A		400	237	273	363
	% to design						
	90.8						
SGRD4	OFFICE	G	12X12	100	95	110	92
	% to design						
	92.0						
SGRD5	RESTROOM	C		50	60	68	51
	% to design						
	102.0						
SGRD6	RESTROOM	C		50	71	78	48
	% to design						
	96.0						

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Asset	Notes



National TAB

Project: 05-23 SWEETGREEN (HOU) - CYPRESS, TX (TAB + IAQ)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU2

AREA: TRASH

Unit Data		
	Design	Actual
MFG	NA	NA
Serial Num	-	NA
Model Num	FAS091LAAA0A0A	NA
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num OA Filters 2	-	
OA Filter Size 2	-	
Num Final Filter 1	-	2
Final Filter Size 1	-	20x24x2
Num Final Filter 2	-	N/A
Final Filter Size 2	-	N/A

Motor Data		
	Design	Actual
Motor MFG	-	PROTECH
Frame	-	NL
Horsepower	2.9	1.5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	480	460
Rated Amperage	-	2.2
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP42
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	CLOSED
Fan Sheave Size	-	AK104
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	15 1/4"
Num of Belts	-	1
Belt Size	-	AX52
Belt Alignment	-	CORRECT

Test Data		
	Design	Actual
SF CFM (Initial)	-	
SF CFM	3000	2794
SF RPM (Initial)	-	
SF RPM	-	908
RA CFM	2800	2610
OA CFM	200	184
RL Voltage	-	478/480/479
RL Amperage Initial	-	
RL Amperage	-	1.5/1.5/1.7
SF Rotation	-	CW
VFD Max SetPt	-	
VFD Min SetPt	-	
RA Damper Position	-	N/A
OA Damper Position	-	
OA Damper Type	-	MANUAL
Min OA Damper Position	-	75%
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.49"
Fan Suction SP	-	-0.63"
Fan Discharge SP	-	0.41"
Total ESP	0.5"	0.90"
Fan Total SP	-	1.04"

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Unit Filters Clean	-	YES
Evap Coil Clean	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Condensate Drain Installed	-	YES

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Notes: UNIT PAINTED BLACK. CANNOT RETRIEVE DATA.



National TAB

Project:05-23 SWEETGREEN (HOU) - CYPRESS, TX (TAB + IAQ)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

AHU2/TRASH

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM
SGRD1	SERVE LINE	G		400	283	-	366
	% to design						
	91.5						
SGRD2	SERVE LINE	G		400	414	-	389
	% to design						
	97.3						
SGRD3	DINING	F		450	402	-	409
	% to design						
	90.9						
SGRD4	DINING	F		450	498	-	432
	% to design						
	96.0						
SGRD5	DINING	F		450	384	-	411
	% to design						
	91.3						
SGRD6	DINING	F		450	516	-	417
	% to design						
	92.7						
SGRD7	DINING	F		400	344	-	370
	% to design						
	92.5						

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Asset	Notes



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Project: 05-23 SWEETGREEN (HOU) - CYPRESS, TX (TAB + IAQ)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU3

AREA:SERVELINE

Unit Data		
	Design	Actual
MFG	NA	RHEEM
Serial Num	-	F371500002
Model Num	FAS091LAAA0A0A	RHGL-090ZL
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num OA Filters 2	-	
OA Filter Size 2	-	
Num Final Filter 1	-	2
Final Filter Size 1	-	20x24x2
Num Final Filter 2	-	N/A
Final Filter Size 2	-	N/A

Motor Data		
	Design	Actual
Motor MFG	-	PROTECH
Frame	-	NL.
Horsepower	2.9	1.5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	480	460
Rated Amperage	-	2.2
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	VP62
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	2.0 TURNS OPEN
Fan Sheave Size	-	AK74
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	15 3/4"
Num of Belts	-	1
Belt Size	-	A47
Belt Alignment	-	CORRECT

Test Data		
	Design	Actual
SF CFM (Initial)	-	
SF CFM	3000	3092
SF RPM (Initial)	-	
SF RPM	-	1179
RA CFM	2800	2894
OA CFM	200	198
RL Voltage	-	478/480/480
RL Amperage Initial	-	
RL Amperage	-	2.2/2.2/2.1
SF Rotation	-	CW
VFD Max SetPt	-	
VFD Min SetPt	-	
RA Damper Position	-	N/A
OA Damper Position	-	
OA Damper Type	-	MANUAL
Min OA Damper Position	-	OPEN
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.47"
Fan Suction SP	-	-0.59"
Fan Discharge SP	-	0.46"
Total ESP	0.5"	0.93"
Fan Total SP	-	1.05"

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Unit Filters Clean	-	YES
Evap Coil Clean	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Condensate Drain Installed	-	YES

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Notes:UNIT AT 81% OF DESIGN AIR FLOW WITH FAN SPEED MAXIMIZED. PULLEY CHANGE ORDERED. GRILLES BALANCED PROPORTIONALLY LOW. RETURN TRIP COMPLETED 5/26 TO CHANGE MOTOR PULLEY. SUPPLY FAN MOTOR OPERATING AT FLA.



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AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

AHU3/SERVELINE

Asset	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM
SGRD1	SERVE LINE			400	311	332	431
	% to design						
	107.8						
SGRD2	SERVE LINE			400	327	337	436
	% to design						
	109.0						
SGRD3	SERVE LINE			400	382	391	438
	% to design						
	109.5						
SGRD4	OLO LINE	12X12		100	80	86	106
	% to design						
	106.0						
SGRD5	OLO LINE	12X12		100	72	79	104
	% to design						
	104.0						
SGRD6	OLO PICKUP			400	290	305	394
	% to design						
	98.5						
SGRD7	OLO PICKUP			400	274	285	380
	% to design						
	95.0						
SGRD8	OLO PICKUP			400	297	313	404
	% to design						
	101.0						
SGRD9	OLO PICKUP			400	280	305	399
	% to design						
	99.8						

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Asset	Notes
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National TAB

Project: 05-23 SWEETGREEN (HOU) - CYPRESS, TX (TAB + IAQ)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:OVEN

Unit Data		
	Design	Actual
MFG	COOK	GREENHECK
Model Num	70 ACEB	GB-097-3-1-19-X
Serial Num	-	20133206
Type	DOWNBLAST	CENTRIFUGAL
Series	-	
Configuration	HORIZONTAL	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56Z-65
Horsepower	1/6	1/3
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.6
Service Factor	-	1.15
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave MFG	-	
Motor Sheave Size	-	VP34
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	3.0 TURNS OPEN
Fan Sheave MFG	-	
Fan Sheave Size	-	AK64
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	6 1/4"
Num of Belts	-	1
Belt MFG	-	
Belt Size	-	4L300R
Belt Tension (deflection)	-	
Belt Alignment Verified	-	CORRECT

Test Data		
	Design	Actual
CFM	150	161
Fan RPM	790	750
Fan Rotation	-	CW
Motor RPM	-	1785
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	120
RL Amperage	-	6.6
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.05"	0.31"
Fan Inlet SP	-	-0.31"
Fan Discharge SP	-	ATM
Total Fan SP	-	
Brake Horse Power	-	

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Notes:



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FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF1/OVEN

Asset	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)
EGRD1	NA	RETURN	D		75	1.0	
	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design		
	58	89	89	80	106.7		
EGRD2	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)
	NA	RETURN	D		75	1.0	
	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design		
	52	78	78	81	108.0		

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Asset	Notes

