

# National TAB

Project: 07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)



## System/Unit: AHU/RTU

Asset: RTU-1

AREA:KICHTEN

Unit Data		
	Design	Actual
MFG	CARRIER	TRANE
Serial Num	-	231511566L
Model Num	48LC_06	4WCY4060A3000CB
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	17x18x1
Num Final Filter 1	-	2
Final Filter Size 1	-	18x18x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	1.0
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	6.9

Drive Data		
	Design	Actual

Test Data		
	Design	Actual
SF CFM	2000	1964
SF RPM	-	DIRECT DRIVE
RA CFM	1500	1480
OA CFM	500	484
RL Voltage	-	208
RL Amperage	-	5.5
SF Rotation	-	CCW
RA Damper Position	-	59%
Min OA Damper Position	-	41%
Min OA Damper Type	-	OPPOSED BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.34"
Fan Suction SP	-	-0.51"
Fan Discharge SP	-	0.39"
Total ESP	0.80"	0.73"
Fan Total SP	-	0.90"

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	YES
Condensate Drain Installed	-	YES

Completed By: Wesley John on 07/07/2023

# National TAB

Project:07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)

## AHU/RTU



### Diffuser Supply (GRD)

#### RTU-1/KICHTEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	OFFICE	CD1	6"	100	1.0	115	-	104	104.0
SGRD2	BOH	CD1	8"	200	1.0	202	-	194	97.0
SGRD3	BOH	CD1	6"	100	1.0	44	-	98	98.0
SGRD4	BOH	CD1	8"	200	1.0	155	-	214	107.0
SGRD5	FOOD PREP	CD3	8"	200	1.0	168	-	187	93.5
SGRD6	FOOD PREP	CD1	8"	200	1.0	241	-	192	96.0
SGRD7	SERVICE LINE	CD2	6"	100	1.0	92	-	97	97.0
SGRD8	SERVICE LINE	CD2	6"	100	1.0	107	-	102	102.0
SGRD9	SERVICE LINE	CD2	6"	100	1.0	108	-	106	106.0
SGRD10	SERVICE LINE	CD2	6"	100	1.0	104	-	99	99.0
SGRD11	HOOD1	ACPSP	183"X6"	600	4.10	594	-	571	95.2
Total				2000		1930	0	1964	98.2%

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Project: 07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)



## System/Unit: AHU/RTU

Asset: RTU-2

AREA:DINING

Unit Data		
	Design	Actual
MFG	CARRIER	TRANE
Serial Num	-	212710378L
Model Num	48LC_09	WSC092H3R0A2507
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	25x38x1
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	EBM PAPST
Frame	-	NL
Horsepower	-	2300 W
Motor Rpm	-	1620
Phase	3	3
Rated Voltage	208	200
Rated Amperage	-	7.0

Drive Data		
	Design	Actual

Test Data		
	Design	Actual
SF CFM	3000	3073
SF RPM	-	976
RA CFM	2000	2051
OA CFM	1000	1022
RL Voltage	-	208/207/209
RL Amperage	-	2.1/2.1/2.1
SF Rotation	-	CCW
RA Damper Position	-	3"
Min OA Damper Position	-	1"
Min OA Damper Type	-	OPPOSED BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.58"
Fan Suction SP	-	-0.81"
Fan Discharge SP	-	0.43"
Total ESP	0.80"	1.01"
Fan Total SP	-	1.24"

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	YES
Condensate Drain Installed	-	YES

Completed By: Wesley John on 07/07/2023

Notes:  
FAN SPEED SET POINT 4.5 VDC.

Written By: Wesley John on 07/07/2023

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Project:07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)



## AHU/RTU

### Diffuser Supply (GRD)

#### RTU-2/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	SR1	12"	400	1.0	699	526	422	105.5
SGRD2	DINING	SR1	12"	500	1.0	791	606	511	102.2
SGRD3	DINING	SR1	12"	500	1.0	745	572	546	109.2
SGRD4	DINING	SR1	12"	600	1.0	829	630	585	97.5
SGRD5	DINING	SR2	18"X6"	500	1.0	445	336	526	105.2
SGRD6	DINING	SR2	18"X6"	500	1.0	612	462	483	96.6
Total				3000		4121	3132	3073	102.43%

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Project: 07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)

## System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
<b>MFG</b>	CAPTIVE-AIRE	CAPTIVE-AIRE
<b>Model Num</b>	DU180HFA	DU180HFA
<b>Serial Num</b>	-	5674225
<b>Type</b>	CENTRIFUGAL	CENTRIFUGAL
<b>Configuration</b>	UPBLAST	UPBLAST

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	TECO
<b>Frame</b>	-	182T
<b>Horsepower</b>	3.0	3.0
<b>Motor Rpm</b>	-	1755
<b>Phase</b>	3	3
<b>Voltage (rated)</b>	208	208
<b>Amperage (rated)</b>	-	9.51
<b>Service Factor</b>	-	1.15

Test Data		
	Design	Actual
<b>CFM</b>	1900	1916
<b>Fan RPM</b>	-	878
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	878
<b>System SetPt</b>	-	30.0 Hz
<b>RL Voltage</b>	-	60
<b>RL Amperage</b>	-	4.9
<b>Total ESP</b>	1.20"	0.89"
<b>Fan Inlet SP</b>	-	-0.89"
<b>Fan Discharge SP</b>	-	ATM

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Project: 07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)



## System/Unit: FAN - Exhaust

Asset: EF-2

AREA:RR

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	5674225
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	NL
Horsepower	0.25	0.25
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	150	149
Fan RPM	-	861
Fan Rotation	-	CCW
Motor RPM	-	861
System SetPt	-	48%
RL Voltage	-	122
RL Amperage	-	0.31
Total ESP	0.60"	0.24"
Fan Inlet SP	-	-0.24"
Fan Discharge SP	-	ATM

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Project:07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

#### EF-2/RR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	RR	ER1	6"X6"	75	1.0	106	72	72	96.0
EGRD2	RR	ER1	6"X6"	75	1.0	112	77	77	102.7
Total				150		218	149	149	99.33%

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Project: 07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)



## System/Unit: FAN - Supply

Asset: MUA-1

AREA:HD-1 - COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	A1-E.101-15D	A1-E.101-15D
Serial Num	-	5674225
Type	MUA	MUA
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56
Horsepower	2	0.50
Motor Rpm	-	1765
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	1.90
Service Factor	-	1.25

Drive Data		
	Design	Actual

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	[1]
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60

Test Data		
	Design	Actual
CFM	650	688
SF RPM	-	853
Motor RPM	-	853
RL Voltage	-	66
RL Amperage	-	1.0
Total ESP	-	0.37"
Fan Discharge SP	-	0.37"

General		
	Design	Actual
Fan Rotation Correct	-	YES

Completed By: Wesley John on 07/07/2023

Notes:  
 [1] UNIT EQUIPPED WITH ELECTRIC HEAT.  
 FAN SPEED SET POINT 29.0 Hz.

Written By: Wesley John on 07/07/2023

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Project: 07-03-23 CHIPOTLE #46-4527 INTERBAY, WA (SEATTLE)



## System/Unit: Kitchen Hood Type I

Asset: HD-1

AREA: COOK LINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	5674225
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	114"	114"
Hood Width	54"	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	6"	6"
Supply Plenum Length	126"	126"

Test Data Supply		
	Design	Actual
Total AK Area	5.25	5.25
Kv factor (Vel)	0.78	0.78
Num of Readings	-	7
Reading1 FPM	-	159
Reading2 FPM	-	185
Reading3 FPM	-	174
Reading4 FPM	-	166
Reading5 FPM	-	167
Reading6 FPM	-	173
Reading7 FPM	-	152
Ave FPM(corr)	-	168
CFM	650	688

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16x16	16x16
Filter Qty 1	7	7
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	11.34	11.34
Filter1 FPM	-	159
Filter2 FPM	-	161
Filter3 FPM	-	172
Filter4 FPM	-	201
Filter5 FPM	-	165
Filter6 FPM	-	174
Filter7 FPM	-	147
Filter Ave FPM(corr)	-	169
CFM	1900	1916

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE
Item 2	-	RANGE
Item 3	-	FRYER

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