

National TAB

Project: 09-26 CAVA - NEW YORK, NY (708 THIRD STREET)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: ACG1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	TASK	TASK
Serial Num	-	NL
Model Num	TGU103-RH	TGU103-RH
Type	AC	AC
Configuration	HORIZONTAL	HORIZONTAL DISCHARGE
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	3	3
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	9.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VM50
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1.0 TURN OPEN
Fan Sheave Size	-	NA
Fan Sheave Bore	-	NA
Belt CL Distance	-	NA
Num of Belts	-	1
Belt Size	-	A53
Belt Alignment	-	CORRECT

Test Data		
	Design	Actual
SF CFM	4000	3760
SF RPM	-	NA
RA CFM	3650	3232
OA CFM	350	528
RL Voltage	-	204/205/205
RL Amperage	-	8.1/8.2/8.4
SF Rotation	-	CCW
RA Damper Position	-	N/A
Min OA Damper Position	-	OPEN
Min OA Damper Type	-	ACTUATOR

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.59"
Fan Suction SP	-	-0.87"
Fan Discharge SP	-	0.54"
Total ESP	-	1.13"
Fan Total SP	-	1.41"

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

Completed By: Wesley John

Notes:

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Project:09-26 CAVA - NEW YORK, NY (708 THIRD STREET)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

ACG1/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	OFFICE	A	10/10	322	1.0	641	709	308	95.7
SGRD3	KITCHEN	A	10/10	426	1.0	275	304	399	93.7
SGRD4	KITCHEN	B	10/10	553	1.0	353	381	509	92.0
SGRD5	KITCHEN	A	8/8	264	1.0	280	302	251	95.1
SGRD6	KITCHEN	B	10/10	553	1.0	347	390	501	90.6
SGRD7	KITCHEN	B	10/10	553	1.0	393	437	531	96.0
SGRD8	KITCHEN	B	10/10	553	1.0	342	372	517	93.5
SGRD9	HOOD 1	ACPSP	16X6	396	3.25	452	493	376	94.9
SGRD10	TENANT STORAGE B1	A	8/8	380	1.0	361	396	368	96.8

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System/Unit: AHU/RTU



Comfort. Under control.

Asset: ACG2

AREA: DINING

Unit Data		
	Design	Actual
MFG	TASK	TASK
Serial Num	-	NL
Model Num	TGU103	TGU103
Type	AC	AC
Configuration	HORIZONTAL	HORIZONTAL DISCHARGE
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	NA
Final Filter Size 1	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	3	3
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	9.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VM50
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	0.5 TURN OPEN
Fan Sheave Size	-	NA
Fan Sheave Bore	-	NA
Belt CL Distance	-	NA
Num of Belts	-	1
Belt Size	-	A53
Belt Alignment	-	CORRECT

Test Data		
	Design	Actual
SF CFM	4000	3818
SF RPM	-	NA
RA CFM	3550	3394
OA CFM	450	424
RL Voltage	-	204/205/204
RL Amperage	-	7.2/7.3/7.3
SF Rotation	-	CW
RA Damper Position	-	N/A
Min OA Damper Position	-	OPEN
Min OA Damper Type	-	ACTUATOR

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.64"
Fan Suction SP	-	-0.85"
Fan Discharge SP	-	0.57"
Total ESP	-	1.21"
Fan Total SP	-	1.42"

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

Completed By: Wesley John

Notes:

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AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

ACG2/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	B	20/12	960	1.0	1035	1130	918	95.6
SGRD2	DINING	B	20/12	760	1.0	722	799	719	94.6
SGRD3	DINING	B	20/12	760	1.0	768	841	704	92.6
SGRD4	DINING	B	20/12	760	1.0	480	523	729	95.9
SGRD5	DINING	B	20/12	760	1.0	493	549	748	98.4

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Project: 09-26 CAVA - NEW YORK, NY (708 THIRD STREET)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVE-AIRE
Model Num	KB14	KB14
Serial Num	-	5307178
Type	UPBLAST	CENTRIFUGAL
Configuration	HORIZONTAL	INLINE

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HC
Horsepower	2	2
Motor Rpm	-	3450
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	5.8
Service Factor	-	1.15

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VL40
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	1.0 TURN OPEN
Fan Sheave Size	-	AK66
Fan Sheave Bore	-	1 7/16"
Belt CL Distance	-	21 1/2"
Num of Belts	-	1
Belt Size	-	AX57

Test Data		
	Design	Actual
CFM	2062	2072
Fan RPM	1881	1393
Fan Rotation	-	CCW
Motor RPM	-	2551
RL Voltage	-	155
RL Amperage	-	4.2
Suction ESP	-	-0.96"
Discharge ESP	-	0.67"
Total ESP	1.500"	1.63"

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Notes:

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Project: 09-26 CAVA - NEW YORK, NY (708 THIRD STREET)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVE-AIRE
Model Num	CFA-D90-CA	CFA-D90-CA
Serial Num	-	5585535
Type	INLINE	CENTRIFUGAL
Configuration	HORIZONTAL	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	0.043	0.043
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.3
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	75	74
Fan RPM	688	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	MEDIUM
RL Voltage	-	121
RL Amperage	-	0.21
Total ESP	0.200"	0.14"
Fan Inlet SP	-	N/A
Fan Discharge SP	-	0.14"

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Project: 09-26 CAVA - NEW YORK, NY (708 THIRD STREET)

System/Unit: FAN - Supply



Comfort. Under control.

Asset: MAU1

AREA:COOKLINE

Unit Data		
	Design	Actual
MFG	NA	ECON-AIR
Model Num	NA	EA1-D.500-16Z
Serial Num	-	5307178
Type	-	MUA
Configuration	-	INLINE

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	2.5
Motor Rpm	-	NL
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	5.7
Service Factor	-	NL

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	N/A
Flame Status (pass/fail)	-	N/A
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0.29"

Test Data		
	Design	Actual
CFM	1528	1482
SF RPM	-	DIRECT DRIVE
Motor RPM	-	DIRECT DRIVE
SF System SetPt	-	62%
RL Voltage	-	205/207/205
RL Amperage	-	3.7/4.0/3.8
Total ESP	-	0.53"
Fan Discharge SP	-	0.53"

General		
	Design	Actual
Fan Rotation Correct	-	YES

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Project: 09-26 CAVA - NEW YORK, NY (708 THIRD STREET)

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ECON-AIR	ECON-AIR
Model Num	6012 ESX-2-ACPSP-F	6012 ESX-2-ACPSP-F
Job / Serial Num	-	5307178
Type	TYPE I LOW PROXIMITY	TYPE I LOW PROXIMITY
Hood length	99"	99
Hood Width	60"	60
Supply Plenum Type	-	ACPSP
Supply Plenum Width	14	14
Supply Plenum Length	160	160

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X20	16X20
Filter Qty 1	6	6
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	12.48	12.48
Filter1 FPM	-	160
Filter2 FPM	-	166
Filter3 FPM	-	188
Filter4 FPM	-	175
Filter5 FPM	-	155
Filter6 FPM	-	150
Filter Ave FPM(corr)	-	166
CFM	2062	2072

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

Test Data Supply		
	Design	Actual
Total AK Area	9.72	15.56
Kv factor (Vel)	0.89	0.89
Num of Readings	-	13
Reading1 FPM	-	78
Reading2 FPM	-	104
Reading3 FPM	-	114
Reading4 FPM	-	95
Reading5 FPM	-	105
Reading6 FPM	-	133
Reading7 FPM	-	136
Reading8 FPM	-	120
Reading9 FPM	-	96
Reading10 FPM	-	100
Reading11 FPM	-	104
Reading12 FPM	-	103
Reading13 FPM	-	104
Ave FPM(corr)	-	107
CFM	1528	1482

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System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ECON-AIR	ECON-AIR
Model Num	166 MISC-PSP	166 MISC-PSP
Supply Plenum Type	PSP	
Supply Plenum Width	16"	
Supply Plenum Length	60"	

Test Data Supply		
	Design	Actual
AK factor	6.7	
Kv factor (Vel)	0.92	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	600	

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Notes: