

Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 09/19/2023

PROJECT

**09-18-23 BARTACO - WEST HARTFORD, CT
(REVIVE)**

need

need, AK 11111

Client

BarTaco

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	YORK
Serial Num	-	N1B2593401
Model Num	48HCEE17D	ZS-15N40BTAAA1
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	184T
Horsepower	-	5
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	13

Drive Data		
	Design	Actual
Motor Sheave Size	-	6.5"
Motor Bore Size	-	1.125
Motor Sheave SetPt	-	2.5 OPEN
Fan Sheave Size	-	11"
Fan Sheave Bore	-	0.875"
Belt CL Distance	-	26"
Num of Belts	-	1
Belt Size	-	BX75
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	6000	5846
SF RPM	-	851
RA CFM	6000	
OA CFM	0	0
RL Voltage	-	208/209/210
RL Amperage	-	8.5/8.5/8.4
SF Rotation	-	CCW
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.13"
Fan Suction SP	-	-0.70"
Fan Discharge SP	-	0.31"
Total ESP	0.75	0.83"
Fan Total SP	-	1.01"

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	YORK
Serial Num	-	N1D2734993
Model Num	48HCEE17D	ZS-15N40BTAAA1B
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	-
Final Filter Size 1	-	-

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	184T
Horsepower	-	5
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	13

Drive Data		
	Design	Actual
Motor Sheave Size	-	6.5"
Motor Bore Size	-	1.125"
Motor Sheave SetPt	-	0.5 OPEN
Fan Sheave Size	-	11"
Fan Sheave Bore	-	0.875"
Belt CL Distance	-	26"
Num of Belts	-	1
Belt Size	-	BX75
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	6000	6088
SF RPM	-	915
RA CFM	6000	-
OA CFM	0	0
RL Voltage	-	208/210/211
RL Amperage	-	8.5/8.7/8.6
SF Rotation	-	CCW
RA Damper Position	-	100%
Min OA Damper Position	-	0%
Min OA Damper Type	-	NA
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.17"
Fan Suction SP	-	-0.90"
Fan Discharge SP	-	0.52"
Total ESP	0.75	-
Fan Total SP	-	-

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Notes:
BELT SLIGHTLY ABOVE FAN SHEAVE

Written By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: FAN - Exhaust



Asset: DWX1

AREA:DISHWASHER

Unit Data		
	Design	Actual
MFG	GREENHECK	FANTECK
Model Num	USGF-140HP-4	FKD 8XL
Serial Num	-	1004349717
Type	ROOF MNTD	INLINE
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NO ACCESS
Frame	-	NO ACCESS
Horsepower	1/4	NL
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	600	0
Fan RPM	-	1700
Fan Rotation	-	CCW
Motor RPM	-	1740
System SetPt	-	NOT DUNCTINAL
RL Voltage	-	0
RL Amperage	-	0
Total ESP	1.25"	0
Fan Inlet SP	-	0
Fan Discharge SP	-	0

Completed By: JOASH ALBIN on 09/19/2023

Notes:
UNIT DOES NOT FUNCTION

Written By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: FAN - Exhaust



Asset: KX1

AREA: KITCHEN HOOD

Unit Data		
	Design	Actual
MFG	GREENHECK	CAPTIVE AIRE
Model Num	SWB-215-20	NA16FA
Serial Num	-	1425202
Type	UTILITY	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	E56
Horsepower	2.0	2
Motor Rpm	-	1710
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	6.2
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	3597	3498
Fan RPM	-	1145
Fan Rotation	-	CCW
Motor RPM	-	1739
System SetPt	-	1 TURN OPEN
RL Voltage	-	208/209/210
RL Amperage	-	4.5/4.6/4.7
Total ESP	1.25"	1.38"
Fan Inlet SP	-	-1.38"
Fan Discharge SP	-	ATM

Completed By: JOASH ALBIN on 09/19/2023

Notes:
GREASE OVERFLOW, HEAVY GREASE INSIDE SHROWD,

MOTOR BORE RUBBING ON TOP OF LID

Written By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: FAN - Exhaust



Asset: KX2

AREA: KITCHEN HOOD

Unit Data		
	Design	Actual
MFG	GREENHECK	CAPTIVE-AIRE
Model Num	SWB-215-20	NA16FA
Serial Num	-	1425202
Type	UTILITY	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	E56
Horsepower	2.0	2
Motor Rpm	1725	1710
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	6.2
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	3117	4356
Fan RPM	-	1745
Fan Rotation	-	CCW
Motor RPM	-	1213
System SetPt	-	BELT 1 OPEN
RL Voltage	-	208/209/
RL Amperage	-	4.8/4.7/4.9
Total ESP	1.25"	1.40"
Fan Inlet SP	-	-1.40"
Fan Discharge SP	-	ATM

Completed By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: FAN - Exhaust



Asset: TX1

AREA:RR

Unit Data		
	Design	Actual
MFG	GREENHECK	DAYTON
Model Num	GB-091-4	4YY14
Serial Num	-	21760737
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	DAYTON
Frame	-	48YZ
Horsepower	1/4	1/3
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	6.6
Service Factor	-	1

Drive Data		
	Design	Actual
Motor Sheave Size	-	3
Motor Bore Size	-	3/8
Motor Sheave SetPt	-	FULL CLOSED
Fan Sheave Size	-	3.5"
Fan Sheave Bore	-	5/8
Belt CL Distance	-	5"
Num of Belts	-	1
Belt Size	-	4L200

Test Data		
	Design	Actual
CFM	375	228
Fan RPM	-	1735
Fan Rotation	-	CCW
Motor RPM	-	1705
RL Voltage	-	120
RL Amperage	-	5.8
Suction ESP	-	-0.34"
Discharge ESP	-	ATM
Total ESP	0.5"	0.34"

Completed By: JOASH ALBIN on 09/19/2023

Notes:
DISH EXHAUST ASSUMING DISH EXHAUST

Written By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: FAN - Supply



Asset: MUA1

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVE AIRE
Model Num	NA	A2-G15
Serial Num	-	1425202
Type	MUA	MUA
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	E56
Horsepower	-	3
Motor Rpm	-	1730
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	8.7
Service Factor	-	1.0

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	-	60
Discharge Air Temp SetPt	-	70
Air Flow Switch SP Actual	-	0.23"

Test Data		
	Design	Actual
CFM	5372	2576
SF RPM	-	1761
Motor RPM	-	904
SF System SetPt	-	BELT
RL Voltage	-	208/209/209
RL Amperage	-	5.4/4.8/5.1
Total ESP	-	NA
Fan Discharge SP	-	NA

General		
	Design	Actual
Fan Rotation Correct	-	YES

Completed By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)



System/Unit: Kitchen Hood Type I

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVE AIRE
Model Num	NA	FRONT
Job / Serial Num	-	1425202
Type	-	PSP
Hood length	-	200
Hood Width	-	60
Supply Plenum Type	-	PSP
Supply Plenum Width	-	16
Supply Plenum Length	-	200

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	16X18
Filter Size 2	-	16X16
Filter Qty 1	-	8
Filter Qty 2	-	6
Filter AK factor size 1	-	2.08
Filters AK factor size 2	-	1.63
Filter Total AK Area	-	19.88
Filter1 FPM	-	135
Filter2 FPM	-	150
Filter3 FPM	-	188
Filter4 FPM	-	225
Filter5 FPM	-	256
Filter6 FPM	-	215
Filter7 FPM	-	178
Filter8 FPM	-	145
Filter9 FPM	-	142
Filter10 FPM	-	129
Filter Ave FPM(corr)	-	176
CFM	-	3498

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE
Item 2	-	FRYER
Item 3	-	GRIDDLE
Item 4	-	FRYER

Test Data Supply		
	Design	Actual
Total AK Area	-	200X16
Kv factor (Vel)	-	22.2
Num of Readings	-	12
Reading1 FPM	-	70
Reading2 FPM	-	77
Reading3 FPM	-	73
Reading4 FPM	-	71
Reading5 FPM	-	14
Reading6 FPM	-	70
Reading7 FPM	-	25
Reading8 FPM	-	76
Reading9 FPM	-	79
Reading10 FPM	-	70
Reading11 FPM	-	70
Reading12 FPM	-	72
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	52
CFM	-	1155

Completed By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)



System/Unit: Kitchen Hood Type I

Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVE AIRE
Model Num	NA	NA16FA
Job / Serial Num	-	1425202
Type	-	UPBLAST
Hood length	-	200
Hood Width	-	60
Supply Plenum Type	-	PSP
Supply Plenum Width	-	16
Supply Plenum Length	-	200

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	16X18
Filter Size 2	-	16X16
Filter Qty 1	-	8
Filter Qty 2	-	2
Filter AK factor size 1	-	2.08
Filters AK factor size 2	-	1.62
Filter Total AK Area	-	19.88
Filter1 FPM	-	150
Filter2 FPM	-	202
Filter3 FPM	-	245
Filter4 FPM	-	300
Filter5 FPM	-	305
Filter6 FPM	-	281
Filter7 FPM	-	225
Filter8 FPM	-	176
Filter9 FPM	-	154
Filter10 FPM	-	125
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	220
CFM	-	4356

Cooking Equipment		
	Design	Actual
Item 1	-	OVEN
Item 2	-	RANGE
Item 3	-	FRYER
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	Actual
Total AK Area	-	200X16
Kv factor (Vel)	-	0.90
Num of Readings	-	12
Reading1 FPM	-	71
Reading2 FPM	-	70
Reading3 FPM	-	54
Reading4 FPM	-	57
Reading5 FPM	-	75
Reading6 FPM	-	71
Reading7 FPM	-	73
Reading8 FPM	-	70
Reading9 FPM	-	70
Reading10 FPM	-	70
Reading11 FPM	-	72
Reading12 FPM	-	79
Reading14 FPM	-	
Ave FPM(corr)	-	64
CFM	-	1422

Completed By: JOASH ALBIN on 09/19/2023

National TAB

Project: 09-18-23 BARTACO - WEST HARTFORD, CT (REVIVE)

System/Unit: Kitchen Hood Type II



Asset: HD(Type2)1

AREA:

Unit Data		
	Design	Actual
MFG	NA	DISH EXHAUST
Model Num	NA	KITCHEN
Serial Num	-	NL
Type	-	DISH
Hood length	-	54
Hood Width	-	54

Test Data		
	Design	Actual
Exhaust CFM	-	278