

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 04/18/2024

PROJECT
04-15-24 MOD PIZZA BRADNENTON, FL
(REVIVE)

13220 SR 64 EAST
BRADENTON, FL 34212

Client
MOD Pizza

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	CARRIER
Serial Num	-	1622C10410
Model Num	THC060	50GC-P06A2M5A6B4R0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.25X14
Num Final Filter 1	-	4
Final Filter Size 1	-	16X16X2

Test Data		
	Design	Actual
SF CFM	2000	1999
SF RPM	-	1720
RA CFM	1640	1614
OA CFM	360	385
RL Voltage	-	208
RL Amperage	-	4.0
SF Rotation	-	CCW
RA Damper Position	-	5.55
Min OA Damper Position	-	4.45
Min OA Damper Type	-	ECONOMIZER

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	1
Rated Voltage	208	208/230
Rated Amperage	-	8.6

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.30"
Fan Suction SP	-	-0.56"
Fan Discharge SP	-	0.47"
Total ESP	0.6"	0.77"
Fan Total SP	-	1.03"

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

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

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Notes:
FINAL FILTERS DIRTY. REPLACEMENTS RECOMMENDED.

Written By: Stephen Tassinaro on 04/17/2024

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)

System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	CARRIER
Serial Num	-	1622C10407
Model Num	THC060	50GC-P06A2M5A6B4R0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28X14
Num Final Filter 1	-	4
Final Filter Size 1	-	16X16X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	1
Rated Voltage	208	208/230
Rated Amperage	-	8.6

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

Test Data		
	Design	Actual
SF CFM	2000	1940
SF RPM	-	2308
RA CFM	1640	1600
OA CFM	360	340
RL Voltage	-	209
RL Amperage	-	8.6
SF Rotation	-	CCW
RA Damper Position	-	5.75V
Min OA Damper Position	-	4.25V
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.80"
Fan Suction SP	-	-1.12"
Fan Discharge SP	-	0.71"
Total ESP	0.5"	1.51"
Fan Total SP	-	1.83"

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

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Notes:

UNIT TESTED WITH FINAL FILTERS REMOVED. AIRFLOW INCREASED BY APPROXIMATELY 10% BY REMOVING THE DIRTY FINAL FILTERS.

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)

System/Unit: AHU/RTU



Asset: RTU3

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	TRANE
Serial Num	-	22192842PA
Model Num	50GC-P06A2M5-6 B4R0	EBC060A3E0B09
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22.75X11
Num Final Filter 1	-	4
Final Filter Size 1	-	16X16X2

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	NOT LEGIBLE
Horsepower	-	1.0
Motor Rpm	-	NOT LEGIBLE
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	5.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.25"
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	4.5 TURNS OUT
Fan Sheave Size	-	AK49
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	15.5"
Num of Belts	-	1
Belt Size	-	AX40
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	2000	1946
SF RPM	-	818
RA CFM	1640	1661
OA CFM	360	285
RL Voltage	-	209/208/207
RL Amperage	-	2.5/2.7/2.5
SF Rotation	-	CCW
RA Damper Position	-	OPEN
Min OA Damper Position	-	N/A
Min OA Damper Type	-	NONE*

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.04"
Fan Suction SP	-	-0.32"
Fan Discharge SP	-	0.32"
Total ESP	0.5"	0.36"
Fan Total SP	-	0.64"

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

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)



System/Unit: AHU/RTU

Asset: RTU4

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	TRANE
Serial Num	-	22192841PA
Model Num	50GC-P06A2M5-6 B4R0	EBC060A3E0B09
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	22.75x11
Num Final Filter 1	-	4
Final Filter Size 1	-	16x16x2

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	NL
Horsepower	-	1.0
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	5.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.25"
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	3.0 TURNS OUT
Fan Sheave Size	-	AK49
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	15.25"
Num of Belts	-	1
Belt Size	-	AX40
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	2000	1871
SF RPM	-	969
RA CFM	1640	972
OA CFM	360	361
RL Voltage	-	207/208/209
RL Amperage	-	2.8/2.8/3.0
SF Rotation	-	CORRECT
RA Damper Position	-	OPEN
Min OA Damper Position	-	N/A
Min OA Damper Type	-	NONE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.14"
Fan Suction SP	-	-0.42"
Fan Discharge SP	-	0.69"
Total ESP	0.5"	0.83"
Fan Total SP	-	1.11"

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

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	CASRE13BD	CASRE13BD
Serial Num	-	5420648
Type	UTILITY	UTILITY
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	900	900
Fan RPM	1149	1210
Fan Rotation	-	CCW
Motor RPM	-	1775
Suction ESP	-	INACCESSIBLE**
Discharge ESP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	HSSA
Frame	-	C56
Horsepower	0.5	0.5
Motor Rpm	-	1730
Phase	1	1
Voltage (rated)	115	115/208-230
Amperage (rated)	-	7.6/4.2-3.8
Service Factor	-	1.35

Drive Data		
	Design	Actual
Motor Sheave SetPt	-	2.0 TURNS OUT
Num of Belts	-	1
Belt Size	-	AX54

Notes:

**UNABLE TO TILT FAN BACK ON CURB TO RETRIEVE PRESSURE. NTi WAS PHYSICALLY UNABLE TO LIFT THE FAN. / FAN CFM UNKNOWN. CANNOT BE READ AT OVEN, CANNOT DRILL GREASE DUCT. FAN SUCTION PRESSURE NOT ATTAINABLE. RPM WITHIN 5% OF MANUFACTURER DESIGN.

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Project: 04-15-24 MOD PIZZA BRADNENTON, FL (REVIVE)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	COOK	GREENHECK
Model Num	GC-146	SP-B90-QD
Serial Num	-	150051872-0061
Type	DOWNBLAST	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	90	41
Fan RPM	700	DD
Fan Rotation	-	CORRECT
Motor RPM	-	DD
System SetPt	-	WIRED DIRECT

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	33.1W	NL
Motor Rpm	-	700
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.19
Service Factor	-	NL

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Notes:
FAN DIRTY RECOMMEND CLEANING

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System/Unit: FAN - Exhaust



Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	COOK	GREENHECK
Model Num	GC-146	SP-B90-QD
Serial Num	-	150051872-0047
Type	DOWNBLAS	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	90	75
Fan RPM	700	DD
Fan Rotation	-	CORRECT
Motor RPM	-	DD
System SetPt	-	WIRED DIRECT

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	33.1W	NL
Motor Rpm	-	700
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.19
Service Factor	-	NL

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