

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 07/03/2024

PROJECT

07-01-24 Pet Supplies Plus, Marion OH

1609 Marion-Mt Gilead Rd

Marion , OH 43302

Client

Hartland Mechanical Services

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	9

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	BRYANT	CARRIER
Serial Num	-	1224C07170
Model Num	580FPV072115	48FCM07A2A5A0A0A0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	5.5

Test Data		
	Design	Actual
SF CFM	2100	
SF RPM	-	
RA CFM	1715	
OA CFM	385	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
SF System SetPt	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	

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

National TAB

Project:07-01-24 Pet Supplies Plus, Marion OH

AHU/RTU



Diffuser Supply (GRD)

RTU1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	GROOMING	B	8"	140					-
SGRD2	GROOMING	B	8"	140					-
SGRD3	BATHING	B	8"	175					-
SGRD4	BATHING	B	8"	170					-
SGRD5	WASH	B	8"	250					-
SGRD6	WASH	B	8"	280					-
SGRD7	RESTROOM	B	8"	120					-
SGRD8	RESTROOM	EX	8"	45					-
SGRD9	RESTROOM	EX	NA	275					-
SGRD10	RESTROOM	B	8"	130					-
SGRD11	RESTROOM	B	6"	45					-
SGRD12	OFFICE	B	8"	200					-
SGRD13	CORRIDOR	B	8"	130					-
Total				2100		0	0	0	0%

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

System/Unit: AHU/RTU



Asset: RTU2

AREA:SALES

Unit Data		
	Design	Actual
MFG	BRYANT	BRYANT
Serial Num	-	0207G40615
Model Num	580FPV151250AA	580FPV151250AA
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	0
OA Filter Size 1	-	
Num Final Filter 1	-	4
Final Filter Size 1	-	20"x20"x2"
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	208	208-230/460
Rated Amperage	-	10.3/5.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	5.25"
Motor Bore Size	-	0.75"
Motor Sheave SetPt	-	
Fan Sheave Size	-	8"
Fan Sheave Bore	-	1"
Belt CL Distance	-	
Num of Belts	-	1
Belt Size	-	A35
Belt Alignment	-	

Test Data		
	Design	Actual
SF CFM	5000	
SF RPM	-	
RA CFM	3800	
OA CFM	1200	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
SF System SetPt	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	NA	
Fan Total SP	-	

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

National TAB

Project:07-01-24 Pet Supplies Plus, Marion OH

AHU/RTU



Diffuser Supply (GRD)

RTU2/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES	EX	NA	330					-
SGRD2	SALES	EX	NA	330					-
SGRD3	SALES	D	NA	330					-
SGRD4	SALES	EX	NA	330					-
SGRD5	SALES	EX	NA	330					-
SGRD6	SALES	D	NA	355					-
SGRD7	SALES	EX	NA	330					-
SGRD8	SALES	D	NA	355					-
SGRD9	SALES	D	NA	330					-
SGRD10	SALES	EX	NA	355					-
SGRD11	SALES	D	NA	330					-
SGRD12	SALES	D	NA	330					-
SGRD13	SALES	D	NA	330					-
SGRD14	SALES	D	NA	330					-
SGRD15	SALES	EX	NA	330					-
Total				5025		0	0	0	0%

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

System/Unit: AHU/RTU



Asset: RTU3

AREA:SALES

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	1324P68765
Model Num	48TJE012	48FCEM12A2A50A0A0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	6.4

Test Data		
	Design	Actual
SF CFM	4000	
SF RPM	-	
RA CFM	3050	
OA CFM	950	
RL Voltage	-	
RL Amperage	-	8.0/4.9/8.21
SF Rotation	-	
SF System SetPt	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	NA	
Fan Total SP	-	

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

National TAB

Project:07-01-24 Pet Supplies Plus, Marion OH

AHU/RTU



Diffuser Supply (GRD)

RTU3/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES	EX	NA	320					-
SGRD2	SALES	EX	NA	320					-
SGRD3	SALES	EX	NA	320					-
SGRD4	SALES	EX	NA	320					-
SGRD5	SALES	EX	NA	320					-
SGRD6	SALES	EX	NA	320					-
SGRD7	SALES	EX	NA	320					-
SGRD8	SALES	EX	NA	320					-
SGRD9	SALES	D	NA	320					-
SGRD10	SALES	D	NA	320					-
Total				3200		0	0	0	0%

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Type	NA	
Configuration	NA	

Test Data		
	Design	Actual
CFM	70	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

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

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Type	NA	
Configuration	NA	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

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

Test Data		
	Design	Actual
CFM	70	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project: 07-01-24 Pet Supplies Plus, Marion OH

System/Unit: FAN - Exhaust



Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	YORK	COOK
Model Num	EVD16R	120C10D 120 ACE
Serial Num	-	240PK85613 00/0002702
Type	NA	DOWNBLAST
Configuration	NA	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	48Y
Horsepower	-	1/6
Motor Rpm	-	1100
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.2
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	1220	695
Fan RPM	1725	1075
Fan Rotation	-	CCW
Motor RPM	-	1100
System SetPt	-	SINGLE SPEED
RL Voltage	-	NA
RL Amperage	-	1.45
Total ESP	0.35"	0.35"
Fan Inlet SP	-	-0.35
Fan Discharge SP	-	ATM

Completed By: Cody Collett on 07/01/2024

National TAB

Project:07-01-24 Pet Supplies Plus, Marion OH

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF3/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	GROOMING	G	12"	500		240		240	48.0
EGRD2	HOLDING	G	12"	400		255		255	63.8
EGRD3	WASH	F	6"	100		76		76	76.0
EGRD4	BACKROOM	F	6"	100		77		77	77.0
EGRD5	BACKROOM	F	6"	120		47		47	39.2
Total				1220		695	0	695	56.97%

Completed By: Cody Collett on 07/01/2024