

Report By:

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

NATIONAL

TAB

Comfort. Under control.

Report: TAB Report
Function: Test, Adjust, & Balance
Date: 04/10/2023

PROJECT

**Hanna House (Miami University - Oxford,
OH)**

219 E. SPRING ST.

OXFORD, OH 45056

Client

Triton Services, Inc.
8162 Duke Boulevard
Mason, OH 45040

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Project: Hanna House (Miami University - Oxford, OH)

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Project: Hanna House (Miami University - Oxford, OH)

System/Unit: Split Sys Furnace



Comfort. Under control.

Asset: HAN.AH.01

AREA:103

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Model Num	NA	FV4CNF005L00
Serial Num	-	3922F01421
Configuration	-	VERTICAL
Filter Size Size 1	-	16X20

Motor Data		
	Design	Actual
Horsepower	-	0.50
Phase	-	1
Voltage	-	208
Amperage	-	4.3

Test Data		
	Design	Actual
SF CFM	1465	1393
Motor Speed SetPt	-	HIGH COOLING
RL Voltage	-	208
RL Amperage	-	4.3
RA CFM	1330	1247
OA CFM	135	146

Performance Data		
	Design	Actual
Suction ESP	-	-0.28"
Discharge ESP	-	-0.55"
Total ESP	0.50	0.83"

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Project:Hanna House (Miami University - Oxford, OH)

Split Sys Furnace



Comfort. Under control.

Diffuser Supply (GRD)

HAN.AH.01/103

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	100	E	8	170	116	162	95.3
1-2	101	A	8	120	125	128	106.7
1-3	104	A	8	200	132	184	92.0
1-4	104	A	8	200	122	191	95.5
1-5	RR	C	6	50	76	51	102.0
1-6	RR	C	6	50	62	48	96.0
1-7	RR	C	6	50	85	54	108.0
1-8	104	A	8	200	155	181	90.5
1-9	104	A	8	200	148	187	93.5
1-10	103	A	8	225	131	207	92.0

Diffuser Ret/Exh (GRD)

HAN.AH.01/103

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
R1-1	B	24X12	110		185		117	106.4
R1-2	F	24X12	155		176		160	103.2
R1-3	B	24X12	720		623		754	104.7
R1-4	B	24X12	205		282		216	105.4

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Project: Hanna House (Miami University - Oxford, OH)

System/Unit: Split Sys Furnace



Comfort. Under control.

Asset: HAN.AH.02

AREA:001

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Model Num	NA	FV4CNF002L00
Serial Num	-	1322F20698
Configuration	-	VERTICAL
Filter Size Size 1	-	16x20x1

Motor Data		
	Design	Actual
Horsepower	-	0.50
Phase	-	1
Voltage	-	208
Amperage	-	4.3

Test Data		
	Design	Actual
SF CFM	800	822
Motor Speed SetPt	-	High Cool
RL Voltage	-	208
RL Amperage	-	3.8
RA CFM	675	693
OA CFM	125	129

Performance Data		
	Design	Actual
Suction ESP	-	-0.48"
Discharge ESP	-	0.26"
Total ESP	0.50	0.74"

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Project:Hanna House (Miami University - Oxford, OH)

Split Sys Furnace



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Diffuser Supply (GRD)

HAN.AH.02/001

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design	AK	CFM(2)
2-1	001A	A	8	125	114	119	95.2		
2-2	001B	A	8	80	108	77	96.3		
2-3	001	A	8	200	115	189	94.5		
2-4	001	A	8	200	155	195	97.5		
2-5	001	A	8	115	129	109	94.8		
2-6	001	A	8	80	113	82	102.5		
HAN.AH.02-SGRD7	001	G	6X6	50					

Diffuser Ret/Exh (GRD)

HAN.AH.02/001

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
R2-1	B	24X12	75		122		77	102.7
R2-2	B	24X12	75		88		81	108.0
R2-3	B	24X24	535		607		522	97.6

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Project: Hanna House (Miami University - Oxford, OH)

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:RR

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	Sq80VG1
Serial Num	-	21354097
Type	-	CRE

Test Data		
	Design	Actual
CFM	225	218
RL Voltage	-	121
RL Amperage	-	1.1
Total ESP	0.50	0.44

Motor Data		
	Design	Actual
Horsepower	-	0.10
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	1.4
Service Factor	-	1

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Project:Hanna House (Miami University - Oxford, OH)

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF1/RR

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E1-1	D	6	75		66		77	102.7
E1-2	D	6	75		81		72	96.0
E1-3	D	6	75		77		69	92.0

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