

Report By:

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



Report: 6-6-23 test  
Function: Test, Adjust, & Balance  
Date: 06/06/2023

# PROJECT

## 6-6-23 test

1 MAIN SUITE A

KANSAS CITY, MO 64116

### Client

6-6-23 test

123 testville

test, texas, TX 23456

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## VAV - Single Duct

### vav grid report test/

Asset									
Asset Name	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV1									
VAV2									
VAV3									
VAV4									
VAV5									
VAV6									
VAV7									
VAV8									
VAV9									
VAV10									

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## VAV-Fan Powered Box

vav grid report test/

Asset										
Asset Name	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Cool CFM	Min Cool CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPB1										
FPB2										
FPB3										
FPB4										
FPB5										

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## System/Unit: AHU-DUAL FAN



Asset: AH1

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	1	Carrier
Model Number	2	2
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	-	
No. Final Filters / Size (3)	-	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	
Model Number	-	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	-	
OA CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	1.2" w.c.
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	

Notes:  
test

Written By: Megan McKelvey on 05/31/2024

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## AHU-DUAL FAN



### Diffuser Supply (GRD)

AH1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU(DF)1-SGRD2	Back storage room	CD		100				50	50.0
AHU(DF)1-SGRD3	West Dining	CD		100				100	100.0
AHU(DF)1-SGRD4	East Dining	CD		100				300	300.0
AHU(DF)1-SGRD5	Restroom	CD		100				75	75.0
AHU-SGRD1	Office	CD		100				200	200.0
Total				500		0	0	725	145%

### Diffuser Ret/Exh (GRD)

AH1/

Asset							
Asset Name	Type	Size	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU(DF)1-EGRD2							
EGRD-3							
EGRD1							
Total				0	0	0	

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## System/Unit: AHU-DUAL FAN



Asset: AHU(DF)2

AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	1	1
Model Number	2	2
Serial Number	-	
No. Pre-Filters / Size (1)		
No. Pre-Filters / Size (2)		
No. Pre-Filters / Size (3)		
No. Final Filters / Size (1)		
No. Final Filters / Size (2)		
No. Final Filters / Size (3)		

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM		
OA CFM		
Fan RPM		
VFD Speed		
RL Voltage		
RL Amperage		
Motor B.H.P.		

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt		
Suction S.P.		
Discharge S.P.		
Total S.P.		
Reheat Coil P.D.		
DX Coil P.D.		
Condenser Coil P.D.		
Chilled Water Coil P.D.		
Pre Heat Coil P.D.		
Final Filters P.D.		
Heat Wheel P.D.		
Pre-Filters P.D.		
Air Blender P.D.		
Total ESP		

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer		
Model Number		
Serial Number	-	
No. Pre-Filters / Size (1)		
No. Pre-Filters / Size (2)		
No. Pre-Filters / Size (3)		
No. Pre-Filters / Size (4)		
No. Pre-Filters / Size (5)		
No. Pre-Filters / Size (6)		

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM		
Fan RPM		
VFD Speed		
RL Voltage		
RL Amperage		
Motor B.H.P.		

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt		
Suction S.P.		
Discharge S.P.		
Total S.P.		
Heat Wheel P.D.		
Pre-Filters P.D.		
Total ESP		