

Report By:

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

NATIONAL

TAB

Comfort. Under control.

**Report: TEST FORMAT REPORTING
Function: Test, Adjust, & Balance
Date: 6/1/2022**

**PROJECT
TEST NEW REPORT FORMAT ISSUES**

1111 MAIN STREET

KANSAS CITY, MO 64116

Client

HBT INDUSTRIES, INC



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	9
FAN - Supply	12
Kitchen Hood Type I	13



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU1

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YCD120	YCD120
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
OA Damper Position	-	
Brake Horse Power	-	

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

Completed By: Dan Hertenstein

Notes:



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

AHU1/

Asset	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
AHU1-SGRD1							
	FINAL CFM	% to design					
AHU1-SGRD2							
	FINAL CFM	% to design					
AHU1-SGRD3							
	FINAL CFM	% to design					
AHU1-SGRD4							
	FINAL CFM	% to design					
AHU1-SGRD5							
	FINAL CFM	% to design					
AHU1-SGRD6							
	FINAL CFM	% to design					
AHU1-SGRD7							
	FINAL CFM	% to design					
AHU1-SGRD8							
	FINAL CFM	% to design					
AHU1-SGRD9							
	FINAL CFM	% to design					
AHU1-SGRD10							
	FINAL CFM	% to design					

Completed By: Dan Hertenstein on



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU2

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YCD120	YCD120
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Test Data		
	Design	Actual
SF CFM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
OA Damper Position	-	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

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

Completed By: Dan Hertenstein

Notes:



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

AHU2/

Asset	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)
AHU2-SGRD1							
	FINAL CFM	% to design					
AHU2-SGRD2							
	FINAL CFM	% to design					
AHU2-SGRD3							
	FINAL CFM	% to design					
AHU2-SGRD4							
	FINAL CFM	% to design					
AHU2-SGRD5							
	FINAL CFM	% to design					
AHU2-SGRD6							
	FINAL CFM	% to design					
AHU2-SGRD7							
	FINAL CFM	% to design					
AHU2-SGRD8							
	FINAL CFM	% to design					

Diffuser Ret/Exh (GRD)

AHU2/

Asset	Type	Size	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
AHU2-EGRD1							
AHU2-EGRD2							



Asset	Notes
--------------	--------------

National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU3

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YCD120	YCD120
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Test Data		
	Design	Actual
SF CFM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
OA Damper Position	-	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

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

Completed By: Dan Hertenstein

Notes:

Asset	Notes
--------------	--------------



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: AHU/RTU



Comfort. Under control.

Asset: AHU4

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YCD120	YCD120
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Test Data		
	Design	Actual
SF CFM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
OA Damper Position	-	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

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

Completed By: Dan Hertenstein

Notes:

Asset	Notes



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	NSAU	NSAU
Serial Num	-	

Test Data		
	Design	Actual
CFM	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Completed By: Dan Hertenstein

Notes:

Asset	Notes



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	NSAU	NSAU
Serial Num	-	

Test Data		
	Design	Actual
CFM	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Completed By: Dan Hertenstein

Notes:

Asset	Notes



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	NSAU	NSAU
Serial Num	-	

Test Data		
	Design	Actual
CFM	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Completed By: Dan Hertenstein

Notes:

Asset	Notes



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: FAN - Supply



Comfort. Under control.

Asset: SF1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	NHMUA	NHMUA
Serial Num	-	
Type	-	
Configuration	-	

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

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

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

Test Data		
	Design	Actual
CFM	-	
SF RPM	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	

Completed By: Dan Hertenstein

Notes:

Asset	Notes



National TAB

Project: TEST NEW REPORT FORMAT ISSUES

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	ND2-5424	ND2-5424
Job / Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	
Supply Plenum Type	-	
Supply Plenum Width	-	
Supply Plenum Length	-	

Test Data Exhaust		
	Design	Actual
Filter Type	-	
Filter Size 1	-	
Filter Size 2	-	
Filter Qty 1	-	
Filter Qty 2	-	
Filter AK factor size 1	-	
Filters AK factor size 2	-	
Filter Total AK Area	-	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	-	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	Actual
Total AK Area	-	
Kv factor (Vel)	-	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	-	

Performance Data		
	Design	Actual
Exh-Supply Net CFM	-	
Smoke Generation Type	-	
Cooking Equip Heat On	-	
Hood Capture %	-	
End Panels Installed (Y/N)	-	
Space Offset Temp Riser 1	-	
Space Offset Temp Riser 2	-	
Riser Temp F (idle) Riser 1	-	
Riser Temp F (idle) Riser 2	-	
Ambient Room Temp	-	

General		
	Design	Actual
Third Party Witness	-	
Third Party Company	-	
Tech Witness	-	

Completed By: Dan Hertenstein

Notes:

Asset	Notes

