

Audit Master Pro Training

Air Reports

This tutorial will act as a guide to create and input all data required for the selected air studies.

Go to Index



Audit Master Pro Air Report Training

Starting a Project	pag	e 03
Fan Engineered Test Report	page	e 26
Fan Engineered Array Report	page	e 73
Electric Coil AHU Mixed Air Report	page	e 97
Electric Coil Terminal Device Report	page	104
Static Pressure Report	page	113
Pitot Traverse Report	page	126
Pitot Fan Report	page	135
Outlet Master Report	page	141
VAV Test Report	page	151
CAV Test Report	page	163
FPB Test Report	page	173
Velgrid report	page	181
General Matrix Report	page	188
Rotating Vane Anemometer Report	page	194
Air Foil Report	page	201
Hot Wire Anemometer Report	page	207



Audit Master Pro Training

Starting a Project

This tutorial will act as a guide for project creation after which air studies can be created.







Audit Master PRO	John Vour Cor Doe Wheaton, United Sta	mpany Illinois ites (USA)							•
TESTING & BALANCING TECHNICIAN	ACTIVE PROJEC	TS							
ProjectsPersonal Documents								View Completed Projects	
 Test Equipment Team members 	Current Project								•
-	Туре	Project ID	Code	N	ame	Building	Created Date	7	
Emergency Support	<u></u>	956	PROJ-956-20230316	Te	est Project	Your Building	03/16/2023		
€ instantSSL			Search Search						
	Active project(s) wh	ich you have been part o	f before						
Audit Master PRO	Туре	Project ID		Code 🕶	Name	e	Building	Created Date	
VISIL OUT WEBSILE									
				Co	mpleted Pre	ojects are	e shown here		



ACTIVE	PROJECTS)								
										View Completed Projects
Current	Project									
	Туре	Project ID	Code		Name	Building	Created	d Date		
	<u></u>	956	PROJ-956-20230316		Test Project	Your Building	03/16/2	2023	→ □ □ ± ±	
			Search	Search					*	
Active p	roject(s) which y	you have been part of before								
Туре		Project ID		Code 🕶	Name	2	Building		C eated Date	
									•	

1st Icon: Go to Project



ACTIVE PROJEC	ſS						
							View Completed Projects
Current Project							
Туре	Project ID	Code	Name	Building	Created Date		
<u></u>	956	PROJ-956-20230316	Test Project	Your Building	03/16/2023	A A A A	
		Search	Search				
Active project(s) whic	ch you have been part of before	9					
Туре	Project ID		Code 🕶	Name	Building	Create Date	

2nd Icon: Project's Document Library



ACTIVE PROJECT	S						
Current Project							View Completed Projects
Туре	Project ID	Code	Name	Building	g Created Date	3	
<u></u>	956	PROJ-956-20230316	Test Proje	ct Your Bu	uilding 03/16/2023	Image: A state of the state	± ±
Active project(s) whicl	h you have been part of before	Search Sea	arch			$\overline{\mathbf{\Lambda}}$	
Туре	Project ID		Code 🗸	Name	Building	Created Date	

3rd Icon: Project's Picture Library



ACTIVE PROJEC	TS							
								View Completed Projects
Current Project								
Туре	Project ID	Code		Name	Building	Created Date	Offline mode. Download project. Coming soon	
<u>.</u>	956	PROJ-956-20230316		Test Project	Your Building	03/16/2023		
		Search	Search					
Active project(s) whic	ch you have been part of before	Э						
Туре	Project ID		Code 🕶	Name		Building	Created Date	
						1th 1	leon: Offling mode, Download	Draiget

4th Icon: Offline mode. Download Project. Coming Soon.



ACTIVE PROJ	ECTS								
								View Completed Projects	
Current Project									
Туре	Project ID	Code	Nar	ne	Building	Created Date	Offline mode. Uplo Coming so	oad project. oon	
<u></u>	956	PROJ-956-20230316	Tes	t Project	Your Building	03/16/2023	> 🖿 🖾 🕹		
		Search	Search						
Active project(s)) which you have been part of before								
Туре	Project ID		Code 🕶	Name	Build	ling	Created Date		
						5th Icon	Offline mode	LINIO2d Project	

5th Icon: Offline mode. Upload Project. Coming Soon.



John Doe Vour Company Wheaton, Illinois United States (USA)				4° ♀ △ ♣ ₽ ₽ ₽
PROJECT	HEADOUARTERS Address: 123 Main Street, Wheaton, Illinois, United States (USA)			
Automatically Generated Code	PROJ-956-20230316	\$ ② Here and the string Unit Cost Time Card Estimated Time		
Project Name	Test Project			
Created Date	03/16/2023			
Proposed Start Date	03/30/2023	Proposed Start Time 08:00:00 AM		
Actual Start Date	4/7/2023	Actual Start Time 08 : 00 AM		
Select Location	Your Building			
	Address: 123 Main Street, United States (USA), Illinois, Wheaton, Zip: 60187 Building Serial #: B-665-03162023			
Measurement System:	Imperial System	Main Pro	ject Page:	
Supplied Power Grid Frequency	60 Hz			
Total square feet (Sq/Ft) of audit area being tested:	100,000 ft ²		proiects will have	e standardized proiect
Total cubic feet (Cu/Ft) of audit area being tested:	1,000,000 ft ³	informati	on shown on this	s pade.
Parking area is part of this test	\bigcirc			
Project Description	Test and Balance Building			
Required Comprehensive Energy Test	Yes			
Contracted By	Building XYZ			
Purchase Order #	123456			
Contact Person	Jane Doe			
Contact Phone Number	(911) 911-9119			
Print Drawing(s) Available On-Site	Yes			









Daily Log:

The technician is required to click "Start Time" to begin working on any project.





Daily Lo	g					
	Start Time	Begin Break	End Break	Begin Lunch	End Lunch	End of Work Day
	D own Time	Project Meeting	Safety Meeting	5 Travel Time Leave	Constraints and the Arrive	ි Other
#	Log Type	Time	Comment		Date	
13	Start Time				2023-03	3-28 08:40:34 AM
12	Start - End of Work Day Time	16:43:42	Closed due to system logout		2023-03	3-28 08:28:49 AM
11	Start - End of Work Day Time	5:14:6	Closed due to system logout		2023-03	3-27 03:44:34 PM
10	Start - End of Work Day Time	1:27:25	Closed due to system logout		2023-03	3-27 10:24:41 AM
9	Start - End of Work Day Time	0:26:50	Closed due to system logout		2023-03	3-24 09:07:01 AM
8	Start - End of Work Day Time	0:1:0	Closed due to system logout		2023-03	3-24 08:15:50 AM
7	Start - End of Work Day Time	1:49:17	Closed due to system logout		2023-03	3-23 10:01:47 AM
6	Start - End of Work Day Time	0:45:12	Closed due to system logout		2023-03	3-22 03:55:16 PM
5	Start - End of Work Day Time	1:13:36	Closed due to system logout		2023-03	3-22 03:09:45 PM

The daily log allows the technician to document all time aspects of a work day.

Note: Time clock updates may also be accessed through the "AMP Auditors" app.

















All "Air Report" studies are shown in ORANGE





Continued "Air Report" studies are shown in "ORANGE"





Click "Engineered Fan Report" to create study



Create Study:
Every time you create a study you will be prompted to enter the quantity of the study you would like created.



Search Search	1		Clear		
	Delete 🔁 Du	uplicate			
Select All Reports			Grid View		
ENGINEERED FAN REPORT (FANR)	e				
PROJ-FANR-14970 Last modified date: 03/16/2023 4:07 PM	Status: New			\leftarrow	After a study is created it will be shown here.
Select	÷				





Any study created can be selected on the project page and be deleted or duplicated.





Deleting a report will generate this warning to confirm report deletion.





Duplicating a report will generate this warning to confirm report duplication.

Accept duplicate quantity desired.

Note: When duplicating a study, you have an option to duplicate all of the previously entered data.





Thumbnail View of Studies:

All generated reports will be shown on the project page.

Note: Projects may be dragged to reorganize via the move/drag icon on the top right of the thumbnail view.





Grid View of Studies:

You may switch to grid view by clicking the box shown.

Note: Projects may be organized via the title bar icons on top of the grid view.





Audit Master Pro Training

Engineered Fan Report

This tutorial will act as a guide to create and input all data required for the selected air study.





Example: An AHU is created through a "Engineered Fan Report" study, static pressures are also required for the equipment. A Sub-Study will be selected and "Static Pressure Report" will be chosen.





Enter the quantity of Sub-Studies you would like created and click "Accept."











ENGINEERED EQUIPMENT TEST REPORT | AHU 1 \$ Testing Unit Cost Private Notes Mem of Und C/W Orders Deficiencies \mathcal{O} Studies 1 Ħ Step 1 Step 2 Step 5 Step 3 Step 4 Step 6 E=mc² General information Additional components Report \leftrightarrow Project Name: Test Project Conversion AHU 1 System: Equipment location: 1st Floor 1st Floor Area served: Cancel Next Step \rightarrow

Enter General Information



Step 1 General Information	2 Step 2 Commissioning	Step 3 Nameplates Fan - Mocor	Step 4 Additional components	Step 5 Testing and report	G Step 6 Report	E-me ²
Commissioning - 1 Commissioning - 2						_
N Check box if actual CFM's are known a	at this point:					
Grilles, Registers & Diffusers C	CFM Design: 0.0			All CPM Not Available Not Available		Enter System Desig
System C	CFM Design: 0.0			Not Available		
Outside Air Ventilation Rate C	CFM Design: 0.0			Not Available		
Return Airflow C	CFM Design: 0.0			Not Available		
System Exhaust Airflow C	CFM Design: 0.0			Not Available		
Check box if this fan sysem is consta	ant volume:					









Click "Yes" to continue or click "No" and correct the entered data.



Dirty Filters No Issues Apparent Dirty Filters At Time Of Report Generation Dirty Filters But Some/All Removed At Time Of Report Generation Dirty Filters But Corrected At Time Of Report Generation Outside Air Bird Screen/Louver Dirty No Issues Apparent Dirty Screen / Louver At Time Of Report Generation Dirty Screen / Louver But Corrected At Time Of Report Generation Fan Cabinet internal Cleanliness Clean, no issues Fairly clean, recommend scheduling a cleaning soon Dirty, recommend immediate cleaning Filters Installation

No Issues Apparent
 End of installed filter(s) missing a blank-off(s) to prevent airflow filter bypass
 Filters butted seams not taped to prevent airflow filter bypass
 Filter thickness improper as compared to the filter track/slide rail dimension

MULTIPLE FAN SYSTEMS					
Number Of Fan Motors:	1				
		← Previous Step	Cancel	Next Step \rightarrow	

Enter Commissioning-2 Data

E=mc²

Convers

↔



Step 1 General information Cor	2 Step 2 nmissioning	3 Step 3 Nameplates Fan - Motor	Step 4 Additional components	5 Step 5 Testing and report	6 Step 6 Report	emat nversio
28 FnMt > #1						Enter Fan Nameplate Dat
Fan Iotor						
DESCRIPTION.						
Fan manufacturer:	Select Fan Manufac	turer		•		
Individual Fan Tag Identifier:	IE: North, South, Le	ft, Right, etc.				
Model number:	Model Number					
Serial number:	Serial Number					
Fan type:				~		
FAN/MOTOR DRIVE TYPE						
Direct drive fan system:						








AMP software does not use fractions.

An information icon will be shown on the right of the data entry field to assist with conversions.



FAN/MOTOR DRIVE TYPE		
Direct drive fan system:		
Fan sheave manufacturer:	Select Fan Sheave Manufacturer	
Fan sheave stamping (Full stamping):	Fan Sheave Stamping	(E*
Fan sheave stamping dimension Inches:	0.00	i
Half of the fan sheave dimension from outer edge of pulley to just the face of the fan shaft Inches:	0.00	
Fan Shaft Diameter Inches:	0.0000	i
Fan Blade Outer Edge to Fan Blade Inner Edge Length Inches:	0.0000 (For Fan Tip Speed Calculation)	i
Fan sheave dimension measured Inches:		
FAN SHEAVE TYPE AND BORE		
Fixed bore fan sheave:		
Fan bushing stamping:	Fan bushing stamping	

Enter Fan Data Continued



FAN SHEAVE TYPE AND BORE	
Fixed bore fan sheave:	Enter Fan and Commissioning Data
COMMISSIONING CONTINUED	Continued
Dirty Fan Blades: Fan Blades loose: Fan Blades Missing:	
Motor / Fan pulley Alignment No Issues Apparent Miss-Aligned At Time Of Report Generation Miss-Aligned But Corrected At Time Of Report Generation Belt(s) Looseness: No Issues Apparent Loose At Time Of Report Generation Loose But Corrected At Time of Report Generation	
Belt Tension O No Issues Apparent O overtightened At Time Of Report Generation O overtightened But Corrected At Time Of Report Generation	
Motor Frame Alignment O No Issues Apparent O Motor Pulley Is Slightly Out Of Plane (Cocked) With Regards To Fan Pulley, Which Is Still The Condition O Motor Pulley Is Slightly Out Of Plane (Cocked) With Regards To Fan Pulley, But Corrected At Time Of Report Generation	

Bolt(s) Securing Motor Frame



Bolt(s) Securing Motor Frame O No Issues Apparent O Bolt(s) Found Loose At Time Of Report Generation O Bolt(s) found Loose But Corrected At Time Of Report Generation Mechanical Equipment Heat 🗆 No Issues Apparent Motor Appears Excessively Hot Motor Bearing(s) Appears Excessively Hot Fan Bearing(s) Appears Excessively Hot Motor Bearing(s) Abnormal Noise Present Fan Bearing(s) Abnormal Noise Present Mechanical Equipment Vibration No Issues Apparent Motor Vibration May Be Present Fan Vibration May Be Present Fan Vibration Appears Excessive Mechanical Equipment Integrity O No Issues Apparent O Fan Guard Found Off At Time Of Report Generation O Fan Guard Found Off But Corrected At Time Of Report Generation

Create a bearing report?

Update ← Previous Step Cancel Next Tab →

Enter Fan Commissioning Data Continued



Create a bearing BEARING DATA	g report?								If the fan has bearings, cl the box to create a bearing report.
Add Bearing +									
Bearing ID Number	Location	Туре	Manufacturer	i Shaft Dimension Inches	Floating	Fixed	Greased	Recommend Replacement	t -
							~		
Comments:	Please briefly comment on w	hy the above bearing should be	replaced						





Fan sheave stamping (Full stamping):	2VP45			
Fan sheave stamping dimension Inches:	4.5000	i		
Half of the fan sheave dimension from outer edge of pulley to just the face of the fan shaft Inches:	1.4000		AMP software measurement sheave dimen	will internally verify sheave s and show a warning if the sions are out of tolerance.
Fan Shaft Diameter Inches:	0.8750	i		
Fan Blade Outer Edge to Fan Blade Inner Edge Length Inches:	0.0000 (For Fan Tip Speed Calculation)	i		
Fan sheave dimension measured Inches:	3.68		K	
WARNING Please review dimension entered Fan Sheave Dimension Measured	d. Difference in dimensions exceeds built-in tolerance. d value should be between 4.25 and 4.75 (In) regarding the actual Fan S	Sheave Stamping Dimension	value.	





Once sheave values are corrected to within tolerance, the warning will disappear.

FAN SHEAVE TYPE AND BORE



12 FnMt > #1		
Fan Motor		
MOTOR INFORMATION		
Nameplate motor manufacturer:	Select Motor Manufacturer	Enter Motor Information
Description:		
Model:		
Serial number:		
Nameplate HP:	✓ Nameplate HP unknown	
Nameplate RPM:	0.00	
Nameplate frame category:	NEMA Frames ~	
Nameplate frame:		



MOTOR INFORMATION

epiate motor manufacturer.	Select Motor Manufacturer	•
		-
Description:	A.O. Smith	
	ABB	
	ABB motors	
Model:	AEG FADRICA de Motores, S.A. 7 Latert S.p.A	
	Arcelik SA	
	Ralder	
Serial number:	Baldor Electric	
	Baldor Beliance	
Namoniate HP	Baldor IIK I td	
Nameplate Hr.	Bell & Gossett	
	BESELS A	
Nameplate RPM:	Brook Crompton	
	CEG S r L - Motori Elettrici	
	CELMA S.A.	
Nameplate frame category:	Century Electric	
	Crown Triton	
Namonlato framo	Data Missing	
Nameplate frame.	Davton	-

Select Motor Manufacturer





Enter mode of operation and nameplate data.



Nameplate service factor: Motor phase:	1 Three phase	○ 2 wire sing	le phase O Single	Not listed:	i	
Collect only 60 Hz Nameplate F	Rated Voltage and a	Amps				
ECM (Motor) System motor operates from a VFD/PWM device? Motor has electric discharge machining bearing protection installed?		i				If Power Factor and Efficiency are Unknown, check this box and it will show a default value that will be used in motor calculations.
Nameplate Rated Volts:	000.00 V	000.00 V	000.00 V			
Nameplate Rated Amps:	000.00 A	000.00 A	000.00 A			
Nameplate efficiency (Eff):		P	ower Factor and Effici	ency Unknown	i	



SHEAVE			
Motor sheave manufacturer:	Browning		
Motor sheave stamping (full stamping):	2VP64		
Motor sheave stamping dimension Inches:	6.4000	i	Enter Sheave Information
Half of the motor sheave dimension from outer edge of pulley to just the face of the motorshaft Inches:	2.9000		
Motor shaft diameter Inches:	.5	i	
Motor sheave dimension measured Inches:	6.30		



MOTOR SHEAVE TYPE AND BORE		
Motor sheave: Motor sheave bushing installed:	Fixed O Adjustable	
BELT		
Quantity of fan/motor belt(s) required:	0	
Belt type:	Select Belt Type -	
Belt size:	0.00	In
Center of motor shaft to center of fan shaft distance:	0.00	In

Enter Motor Information Continued



Belt size:	0.00		In	
Center of motor shaft to center of fan shaft distance:	0.00		In	
Motor base/frame adj in:	0.00	In		Enter Information
Motor base/frame adj out:	0.00		In	





BELT		
Quantity of fan/motor belt(s) required:	2	
Belt type:	AX -	
Belt size:	50.000	In
Center of motor shaft to center of fan shaft distance:	22.000	In
Motor base/frame adj in:	1.250 In	
Motor base/frame adj out:	2.500	In

Enter Belt Information

Update







Add Filter			×
Filter type:		•	n Select Filter type.
Length	Pre		-
Width	Post Final		
Thickness	Roll		
Quantity	Box		
	HEPA		Add Cancel
	Pleated		
	Cartridge Throw Away		
	Electrostatic		
	Carbon Charcoal		
	Water		
	Other		

Enter filter type from drop down and then continue with the remaining filter information.





This is how filter information will be shown.

Multiple sets of filters can be added to match the systems design.



ENGINEERED EQUIPMENT TE	EST REPORT					
		Studies Private Comments Deficiencies	Mem of C/W Orders Unit Cost			
1 Sten 1	2 Stan 2	3 Stan 3	4 Sten A	5 Stan 5		
General information	Commissioning	Nameplates Fan - Motor	Additional components	Testing and report	Report CC	Click to add coil information
Add Coil + # Coil Type	Length	Width D	epth Quantity	Fins Per In		Multiple sets of coils can be
		← Previous Step Cancel	Next Step →			systems design.



Add Coil		×	Audit Mas		
Coil type:	Select Type	Select Coil type.	Select "Coil Type" before completing the remaining		
Length:	Inches		coil information.		
Width:	Inches				
Fins per In	0.00				
Depth Quantity:	Quantity of Tubing Rows Depth	i ,			
		Add Cancel			











Response required to these questions before c	continuing					
System at steady state for this test	Yes 🗌 No					
System steady state will be monitored and maintained for this test	Yes 🗌 No					
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.						

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.





AWARNING

Ensure everybody is clear of any potential system moving parts, ie motors, fans, pulleys, belts, etc.

> ACCEPT Cancel

> > Cancel

A Danger: Arc Flash And Shock Hazard - Appropriate PPE X Required.

- Do not operate controls or open covers without appropriate Personal Protection Equipment (PPE). Failure to comply may result in Injury or Death.
- Refer to NFPA 70E for minimum PPE Requirements.
- · Warning NFPA code requirements may change, always check for current or updated code requirements
- · Request a qualified and licensed electrician to collect voltage and Current/Amperage data if not ARC Flash Trained

Warning: Above is understood and will be adhered to.

These are three of the most common safety warnings that will appear throughout AMPs software.

You will be required to acknowledge each warning individually in order to proceed.

Is the fan turning in the correct rotation/direction?



ACCEPT





Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
General information	Commissioning	Nameplates Fan - Motor	Additional components	Testing and report	Report
ALS					
Mt > #1					
	Ean Tag Identifier	44111			
	ran rag identifier.				
	Motor Actual RPM:	0.00			
	Motor sheave dimension measured:	6.30 In			
	Motor sheave:	Fixed			
Technicians calculated motors	sheave operating pitch diameter (In):				
	······································	0.00		1	
		testing	n may occur. Only certified field technicians	snould perform RPM/Speed	
	Fan Actual RPM:	0.00			
	Fan sheave dimension measured:	4.58 In			
Technicians calculated fan s	sheave operating pitch diameter (In):	0.00		i	
		WARNING: Rotating equipment, injury or death testing	n may occur. Only certified field technicians	should perform RPM/Speed	
	VFD Operating Hertz	0.00			
	VFD Operating % Speed	0.00			

1 If the screen only displays a single averaged Voltage and Current/Amperage, enter its value in each data input box.

If using a standard Volt/Amp meter not rated to read VFD or PWM voltage output, the meter won't work when recording VFD / PWM "Output Voltage". This meter will work when collecting Amperage(s). Collecting actual VFD / PWM "Output Voltage" can be done with the meters designed and available to do this task.

Enter Motor Actuals

Note: Only a certified technician can enter actual data.



Select Voltage that best represents Actual read:				Voltage Not Listed
Nameplate Volts:	2087	2300	460V	
Nameplate Amps:	22.12A	204	IOA	
WARNING 1. Single Phase and 3 Phase Voltages are recorded from Phase to Phase 2. Reading Actual Volts requires a handheld voltmeter rated for VFDs. A 3. Actual Voltage and Amperage associated with the VFD must be record	, not Phase to G typical RMS Volt ded on the leavin	round. meter will not provid ng side of the VFD to	le accurate readings the Motor.	
Volts read from VFD Screen			Volts read wi	ith a handheld voltmeter
	VFD/PWN	1 Only displays 1 Volt	age and 1 Amperage	e
	L1 -L2	L1 -L3	L2 -L3	
Motor Actual Volts:	0.00	0.00	0.00	
Motor Actual Amps:	0.00	0.00	0.00	
System Outside Air Read By:	Select System	Outside Air Read By	1	•
System SP set-point based on worst case flowing Terminal Box, which is a:	VAV	FPB	CAV	
Worst case Terminal Box Identifier / BAS Address:				
Terminal Box damper position open (BAS / Visual pneumatic) when operating at design system SP set-point:	00.00	% Open		ĩ
Final System SP set-point:				
			Update	
YSTEM SPACE PRESSURIZATION DATA				
d Space Pressurization 🛨				

Enter Actual Data Continued



VFD Operating % Speed

If VFD has a display screen - Collect Operating Voltage and Current/Amperage directly from this display if available. If the screen only displays a single averaged Voltage and Current/Amperage, enter its value in each data input box. If using a standard Volt/Amp meter not rated to read VFD or PWM voltage output, the meter won't work when recording VFD / PWM "Output Voltage". This meter will work when collecting Amperage(s). Collecting actual VFD /PWM "Output Voltage" can be done with the meters designed and available to do this task.

RECOMMENDATION: Use VFD/PWM display data to collect actual V	/olts and Amp	DS				
Select Voltage that best represents Actual read: Nameplate Volts: Nameplate Amps:	□ 208V 22.12A	□ 230V 20A	□ 460V 10A	Voltage Not Listed	←	Select the actual operating motor Volts and Amps.
WARNING 1. Single Phase and 3 Phase Voltages are rec	orded from P	hase to Phase	e, not Phase	to Ground.		

- 2. Reading Actual Volts requires a handheld voltmeter rated for VFDs. A typical RMS Voltmeter will not provide accurate readings.
- 3. Actual Voltage and Amperage associated with the VFD must be recorded on the leaving side of the VFD to the Motor.

Volts read from VFD Screen

Volts read with a handheld voltmeter

VFD/PWM Only displays 1 Voltage and 1 Amperage



Volts read from VFD Screen		Volts read with a handheld voltr	neter		
	VFD/PWM Only d	displays 1 Voltage and 1 Amperage			
Motor Actual Volts: Motor Actual Amps:	L1-L2 L	L1 -L3 L2 -L3			
System Outside Air Read By:	рр				Enter Actual Data Continued
System SP set-point based on worst case flowing Terminal Box, which is a:	VAV	FPB CAV			
Worst case Terminal Box Identifier / BAS Address:					
Terminal Box damper position open (BAS / Visual pneumatic) when operating at design system SP set-point:	% (Open		i	
Final System SP set-point:					
					-
SYSTEM SPACE PRESSURIZATION DATA					
Add Space Pressurization +					-
Space Pressurization (In/WC) Space Pressure	urization to	Sy	tem Pressurization Comment	-	

← Previous Step Cancel Next Step →



No Volts/Amps reference set selected

You must select a Voltage that best represents Actual Voltage being read.

×

Accept

This warning will appear if you have not selected actual volts and amps.



Triver Studies Studies Studies	Notes Comments Deficiencies Und Orders Unit Cost		Audit Master
Fan Tag Identifier:	AHU 1		
Motor Actual RPM:	1775]	
WARNING Please review RPMs and Pitch Diameters enter +-25.0 RPM.	ered. Data is inconsistent regarding actual Fan/Motor Pitch Diameter and Fan RPN	И. Range Warning is	Warnings will appear if entered data is not within tolerances.
Motor sheave dimension measured:	6.30 In To cald Diame	culate Motor Pitch eter go to E=mc^2	
Motor sheave:	Fixed	as Use Motor Pitch Diameter	
Technicians calculated motor sheave operating pitch diameter (In):	6.2 WARNING: Rotating equipment, injury or death may occur. Only certified field technicians should perform RPM/Speed testing] [
Fan Actual RPM:	2350]	
Fan sheave dimension measured:	4.58 In		
Technicians calculated fan sheave operating pitch diameter (In):	4.6 WARNING: Rotating equipment. iniury or death may occur. Only certified field] [









Complete Report/Study





Upload a picture of the building you are working on which will be displayed as the front page of the final report.

Tip: Enter the address into a search engine and copy the photo shown which best represents the building.






Audit Master Pro Training

Engineered Fan Array Report

This tutorial will act as a guide to create and input all data required for the selected air study.





When a report is finished it will show the "Status" as complete.



For Additional Report Sheets Scroll Down

Close



FREPORT				
St	Private Notes Comments Deficiencies	Mem of C/W Testing Unit Cost		
0	3	4	6	6
Step 2	Step 3	Step 4	Step 5	Step 6
Commissioning	Nameplates Fan - Motor	Additional components	Testing and report	Report
roject Name: Test Project				
System:				
ent location:				
Area served:				
	Cancel	lext Step \rightarrow		
	Image: state of the state o	REPORT	REPORT Image: Studies Image: Studies	Studies Studies Step 2 Step 2 Step 2 Step 3 Step 4 Step 5 Testing and report oject Name: Test Project System: Int location: Int location: Cancel Next Step -

Enter System Information



Step 1 General information Co	2 Step 2 mmissioning Nam	Step 3 epiates Fan - Motor Add	Step 4 Itilonal companents T	5 6 Step 5 Step 6 esting and report Report	
General Data Commissioning - 1 Commissioning - 2					
SYSTEM DESIGN					
Check box if actual CFM's are known at this point					
	Supply	Return	Exhaust		
Select Type Of Headsheet:	0	0	0		
	Supply	Return	Exhaust		
Actual Grilles, Registers & Diffusers CFM:	0.000	0.000	0.000	Manual entry	Enter Design Information
Actual System CFM:	0.000	0.000	0.000	Manual entry	
Actual Outside Air Ventilation Rate CFM:	0.0			Manual entry	
				All CFM Not Available	
Grilles, Registers & Diffusers CFM Design:	2,000.0			Not Available	
System CFM Design:	2,000.0			Not Available	
Outside Air Ventilation Rate CFM Design:	500.0			Not Available	
Return Airflow CFM Design:	2,000.0			Not Available	
System Exhaust Airflow CFM Design:	зф.о			Not Available	
Check box if this fan sysem is constant volume:					
		+- Previous Step Cancel Next Step>			



9 -----A Mem of CW Studies \$ Testing Unit Cost E+mc² Enter 2 1 Step 1 Step 2 Step 6 Step 3 Step 4 Step 5 Commissioning-1 Commissioning - 2 Information Water Coil Carryover Wet Insulation Drain Pan Clogged Missing/Damaged Insulation Microbial Growth Suspected Obvious Duct Leakage Canvas connection Needs Repair Dirty Coils End of coil missing a blank-off to prevent airflow bypass Door Seals Leak Restricted Airflow Coll Fin damage found, comb fins or repair recommended All Not Applicable All Not Accessible Visual Outside Air Damper Position 000 Not Applicable Not Accessible Visual Ret/Air Damper Position ~ 000 Not Applicable Not Accessible Visual Mix/Air Damper Position 000 -96 Not Applicable ~ Not Accessible Visual Relief/Exh Damper Position ~ 000 % Not Applicable Not Accessible - Previous Step

ENGINEERED EQUIPMENT TEST REPORT | AHU 1







Step 1 5 General Information	20 20 20 20 20 20 20 20 20 20	Step 4 Addition (Components	Step 5	Step 6 Report
Q R1	- #1	£	b R:1 > #2	
Fan Motor				
DESCRIPTION				
Fan manufacturer:	Select Fan Manufacturer			
Individual Fan Array Tag Identifier:	IE: North, South, Left, Right, etc.			
Model number:	Model Numiser			
Serial number:	Serial Number			
Fan type:		~		
Direct drive fan system:				
Direct drive fan system: Fan sheave manufacturer:	Select Fan Sheave Manufacturer]	
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (Full stamping):	Select Fan Sheave Manufacturer Fan Sheave Stamping			
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (Full stamping): Fan sheave stamping dimension Inches: Maif of the fan sheave dimension form outer adde of culleum but the fan of the fan sheat but	Select Fan Sheave Manufacturer Fan Sheave Stamping 10.00	•		
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (Full stamping): Fan sheave stamping dimension inches: Half of the fan sheave dimension from outer edge of pulley to just the face of the fan shalt inches:	Select Fan Sheave Manufacturer Fan Sheave Stamping 0.00	•		
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (Full stamping): Fan sheave stamping dimension Inches: Haif of the fan sheave dimension from outer edge of pulley to just the face of the fan shaft Inches: Fan Shaft Diameter Inches: Fan Shaft Diameter Inches:	Select fan Sheave Manufacturer Fan Sheave Stamping 0.00 0.00 0.000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000	•		
Direct drive fan system: Fan sheave manufacturer; Fan sheave stamping (Full stamping): Fan sheave stamping dimension Inches: Half of the fan sheave dimension from outer edge of pulley to just the face of the fan shalt Inches: Fan Shaft Diameter Inches: Fan Shaft Diameter Inches: Fan Shaft Diameter Inches:	Select Fan Sheave Manufacturer Fan Sheave Stamping 0.00 0.00 0.00 0.000 0.000 0.000 0.000 0.0000 0.0000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000 0.0000 0.0000 0.0000 0.000			
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (Full stamping): Fan sheave stamping dimension Inches: Half of the fan sheave dimension from outer edge of pulley to just the face of the fan shaft Inches: Fan Shaft Diameter Inches: Fan Shaft Diameter Inches: Fan Blade Outer Edge to Fan Blade Inner Edge Length Inches: Fan Blade Outer Edge to Fan Blade Inner Edge Length Inches:	Select Fan Sheave Manufacturer Fan Sheave Stamping 0.00 0.00 0.000 0.0000 0.0000 (For Fan Tip Speed Calculation)			
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (Full stamping): Fan sheave stamping dirension Inches: Half of the fan sheave dimension from outer edge of pulley to just the face of the fan shaft Inches: Fan Shaft Diameter Inches: Fan Blade Outer Edge to Fan Blade Inner Edge Length Inches: Fan Blade Outer Edge to Fan Blade Inner Edge Length Inches: Fan Sheave dimension measured Inches:	Select fan Sheave Manufacturer Fan Sheave Stamping 0.00 0.00 0.000 0.0000 0.0000 (For Fan Tip Speed Calculation)	×	1 1 1	
Direct drive fan system: Fan sheave manufacturer: Fan sheave stamping (full stamping): Fan sheave stamping dimension inches: Fan sheave stamping dimension from outer edge of pulley to just the face of the fan shaft inches: Fan Shaft Diameter inches: Fan Blade Outer Edge to Fan Blade Inner Edge Length inches: Fan Sheave dimension measured inches: Fan Sheave dimension measured inches: Fan Sheave dimension measured inches: Fan Sheave dimension measured inches:	Select Fan Sheave Manufacturer Fan Sheave Stamping 0.00 0.000 0.0000 0.0000 (for Fan Tip Speed Calculation)			

Enter Fan Data



COMMISSIONING CONTINUED			
Dirty Fan Blades:	Fan Blades loose:	Fan Blades Missing:	
Motor / Fan pulley Alignment O No Issues Apparent O Miss-Aligned At Time Of Report Generation O Miss-Aligned But Corrected At Time Of Report Generation			
Bell(s) Looseness: O No issues Apparent O Loose At Time Of Report Generation O Loose But Corrected At Time of Report Generation			Enter Fan
Belt Tension O No Issues Apparent O Overtightened At Time Of Report Generation O Overtightened But Corrected At Time Of Report Generation			Data
Motor Frame Alignment O No issues Apparent O Motor Pulley is Slightly Out Of Plane (Cocked) With Regards To Fan Pulley, Which is Still The Condition O Motor Pulley is Slightly Out Of Plane (Cocked) With Regards To Fan Pulley, But Corrected At Time Of Report Generation			
Bolt(s) Securing Motor Frame O No Issues Apparent O Bolt(s) Found Loose At Time Of Report Generation O Bolt(s) found Loose But Corrected At Time Of Report Generation			
Mechanical Equipment Heat No Issues Apparent Motor Bearing(3) Appears Excessively Hot Fan Bearing(3) Appears Factor			
Mechanical Equipment Vibration ON Issues Apparent No Issues Apparent Other Vibration May Be Present Fan Vibration May Be Present Fan Vibration Appares Excessive			
Mechanical Equipment Integrity O No Issues Apparent O Fan Guard Found Off At Time Of Report Generation O Fan Guard Found Off But Corrected At Time Of Report Generation			
Create a bearing report?			
	Update		
	← Previous Step Carcel	Next Tab →	





If the fan has bearings, you can create a bearing report and add data.



Step 1 General information Co	2 Step 2 Step 3 Marrieplates Fan - Motor	Step 4 Additional components	Step 5 Testing and report.	6 Step 6 Report
م	5#1		@ R:1 > #2	
Motor				
TOR INFORMATION				
Nameplate motor manufacture	: Select Motor Manufacturer			ආ
Description	:			Copy to Array
Mode	:			
Serial numbe				
Nameplate HP	~	Nameplate HP unknown		
Nameplate RPM	: 0.00			
Nameplate frame categor	: NEMA Frames		\sim	
Nameplate fram	4			
Nameplate service facto	:	Not listed:	i	
Motor phase	* Three phase O 2 wire single phase O Single phase			
WARNING FANARRAY Collect only 60 Hz Nameplate Rated Voltage and Amps				
ECM (Moto	I .			
System motor operates from a VFD/PWM device	•			
Motor has electric discharge machining bearing protection installed	·			
Nameplate Rated Volt	E 000.00 V 000.00 V			

Enter Motor Nameplate Data



Nameplate Rated Volts:	000.00 V 000.00 V 000.00 V	
Nameplate Rated Amps:	000.00 A 000.00 A 000.00 A .	
	Add Remove	
Nameplate efficiency (Eff):	Power Factor and Efficiency Unknown	
Nameplate power factor (PF):	1	Ent
Motor in airstream?		
		Dai
SHEAVE		
Motor sheave manufacturer:	Select Motor Sheave Manufacturer	
Mater these strengton full strengton		
annon anisoas senithers from senithers?		
Motor sheave stamping dimension inches:	0.000	
Half of the motor sheave dimension from outer edge of pulley to just the face of the motorshaft inches:	0.00	
Motor shaft diameter inches:	0.000 i	
Motor sheave dimension measured inches:		
MOTOR SHEAVE TYPE AND BORE		
Motor sheave:	● Fixed ○ Adjustable	
Motor sheave Motor sheave bushing installed:	Fixed O Adjustable	
Motor sheave Motor sheave bushing installed:	Adjustable	
Motor sheave Motor sheave bushing installed: BELT	Pixed O Adjustable	
Motor sheave Motor sheave bushing installed: BELT Quantity of fan/motor belit(s) required:		lf the
Motor sheave Motor sheave bushing installed: BELT Quantity of fan/motor belit(s) required: Belt toor:	•	If the
Motor sheave Motor sheave bushing installed: BELT Quantity of fan/motor belit(s) required: Belt type:	Adjustable Select Dett Type +	lf the iden
Motor sheave Motor sheave bushing installed: 	• Rixed • •	If the
Motor sheave Motor sheave bushing installed: EELT Quantity of fan/motor belt(s) required: Belt type: Belt size: Center of motor shaft to center of fan shaft distance:	Tree OAdjustable 0	If the iden copy
Motor sheave Motor sheave bushing installed: EELT Quantity of fan/motor belt(s) required: Belt type: Belt size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in:	Image: Control of the second	If the iden copy rema
Motor sheave Motor sheave bushing installed: RELT Quantity of fan/motor belt(s) required: Belt type: Bet size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in: Motor base/frame adj out:	Image: Constraint of the second of	If the iden copy rema
Motor sheave Motor sheave bushing installed: EELT Quantity of fan/motor belits) required: Belt type: Belt size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in: Motor base/frame adj in:	Image: Contract of the second of the seco	If the iden copy rema
Motor sheave Motor sheave bushing installed: GELT Quantity of fan/motor belt(s) required: Belt type: Belt size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in: Motor base/frame adj out		If the iden copy rema click icon
Motor sheave Motor sheave bushing installed: RELT Quantity of fan/motor beli(s) required: Belt spec Belt size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in: Motor base/frame adj out		If the iden copy rema click icon
Motor sheave Motor sheave bushing installed: RELT Quantity of fan/motor belt(s) required: Belt type: Belt size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in: Motor base/frame adj out		If the iden copy rema click icon
Motor sheave Motor sheave bushing installed: EELT Quantity of fan/motor belits) required: Belt type: Belt size: Center of motor shaft to center of fan shaft distance: Motor base/frame adj in: Motor base/frame adj out:		If the iden copy rema click icon

Enter Motor Nameplate Data Continued

f the fan array has multiple dentical motors you can copy the information to the remaining motors by clicking the "Copy to Array" con.



Important

This action will populate the current Fan data to all the remaining Fans in the Array.

Are you sure you want to continue?

Confirm that you want to copy all information to the remaining motor sheets.



×



Step 1 General Information	Step 2 Step 3 Cammisconing Nameskess Fan - Motor	Step 4 Additional Isonyanems	Step 5 Tessing and report	Step 6 Report	Audit Master PRC
	Q ₆ Sat		@ ℝ-1 > #2		
Fan Motor					
MOTOR INFORMATION					
Nameplate motor manufacti	Jiren: ABB		•	Copy to Array	
Descrip	tion: Fan Array Motor				
36	det 123				
Serial num	123				
Nameplate	HP: HP:10 KW7.457	Nameplate HP unknown			
realinguate n	T.//05.00		~		
Nameplate fra	ame: 213T				If the Eap Arrow has
Nameplate service fa	ctor: 1,15	Not listed:	i		II UNE FAIT AITAY HAS
Motor ph	asse: Three phase 2 wire single phase Single phase				multiple identical motors,
WARNING FANARRAY Collect only 60 Hz Nameplate Rated Voltage and Amps					you can copy the
ECM (M	ator) 🗸 İ				information to the
System motor operates from a VFD/PWM dev	vice?				remaining motors with the
Motor has electric discharge machining bearing protection instal	lied?				
Nameplate Rated V	Valts: 208.00 230.00 460.00				"Copy to Array" Icon.
Nameplate Rated A	mps: 40.00 40.00 20.00				
	Add Bernove				
Nameplate efficiency (Eff: 0.99_ Power Factor and Efficiency Unit	known -			
Nameplate power factor (PP: 0.503		1		
Motor in airstrea	im? 🖬				
	Upda	te			
	e 1				
	Copy to A	Array			
	- Previous Tab	el Next Fan			



		Studies Private Comments Defice	ndies Und Crw Jesung Und Orders Unit Cost		
Step 1 General information	2 Step 2 Commissioning	3 Step 3 Nameplates Fan - Motor	Step 4 Additional components	Step 5 Testing and report	5tep 6 Report
Coll Starter/Breaker Mfg					
Filter Typ		Braidour Stop	Quantity Length	Width	Thickness

Click to add Filter information



ENGINEERED EQUIPMENT TEST REPORT | AHU 1 Studies Private Commands Private Commands Deficiencies Und Crow Und Crow 2 1 4 Step 1 Step 2 Step 5 Step 6 Step 3 Step 4 Commissioning Nameplates Fan - Motor Additional components Coll Starter/Breaker Mfg Filter Add Coil 🕂 Length Width Depth Quantity Fins Per In **a** 48 In 24 In 4 8 ing

Click to add Coil information

Add Coil		×	Audit Mast
Coil type:	Select Type	Select Coil type.	Select "Coil Type" before completing the remaining
Length:	Inches		coil information.
Width:	Inches		
Fins per In	0.00		
Depth Quantity:	Quantity of Tubing Rows Depth	i	
		Add Cancel	

Response required to these questions before continuir	ng
System at steady state for this test Yes	No
System steady state will be monitored and maintained Yes for this test	No
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.	

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.

AWARNING

Ensure everybody is clear of any potential system moving parts, ie motors, fans, pulleys, belts, etc.

> ACCEPT Cancel

> > Cancel

A Danger: Arc Flash And Shock Hazard - Appropriate PPE X Required.

- Do not operate controls or open covers without appropriate Personal Protection Equipment (PPE). Failure to comply may result in Injury or Death.
- Refer to NFPA 70E for minimum PPE Requirements.
- · Warning NFPA code requirements may change, always check for current or updated code requirements
- · Request a qualified and licensed electrician to collect voltage and Current/Amperage data if not ARC Flash Trained

Warning: Above is understood and will be adhered to.

These are three of the most common safety warnings that will appear throughout AMPs software.

You will be required to acknowledge each warning individually in order to proceed.

Is the fan turning in the correct rotation/direction?

ACCEPT

Step 1. General information	Step 2 Commissioning		3 Step 3 Nømeplates Fan - Motor		4 Step 4 Additional components.	5 Step 5 Testing and report	Step 5 Report
							Conversion of the second se
@R(1>#) @R(1>#2							
	Individual Fan Array Tag Identifier:	1					
	Motor Actual RPM:	0.00					
		-		-			
	Select Voltage that best represents Actual read:	208V	230V	460V	[_] Voltage Not Listed		
	Nameplate Amps:	40A	40A	20A			
WARNING 1. Single Phase and 3 Phase Voltages are recorded from P	Phase to Phase, not Phase to Ground.						
		VFD/PWM On	nly displays 1 Voltage and 1 Amp	perage			
		L1-L2	L1 -L3	L2 -L3			
	Motor Actual Volts:	0.00	0.00	0.00			
	Motor Actual Amps:	0.00	0.00	0.00			
	System Outside Air Read By:	Select System Ou	itside Air Read By			•	
			22 ¹				
				Update			
SYSTEM SPACE PRESSURIZATION DATA							
Add Space Pressurization +							
Space Pressurization (In/WC)	Space Pressur	zation to			System Pressur	ization Comment	
4							•
				(Carlotted)			
			+ Previous Step	Cancel Ne	xt Step →		

Enter Actual Motor Data

ACTUALS		Concesto
@R11>#1 @811>#2		
Individual Fan Array Tag Identifier:	T CONTRACTOR OF CO	
Not a Importan	i 🖌 🖌 🚽	
It's uniters	tood that continuing forward without filling in the required data will result in an	
Select voltage that best represents A incomplets	e final Study.	
No her Do you wis	h tostill continue forward?	
WARMING	Yes No.	
1. Single Phase and 3 Phase Voltages are recorded from Phase to Phase, not Phase to Gro		
	VFD/PWM Only displays 1 pltage and 1 Amperage	
	L1-L2 L2-L2	
Notor Actual Velts:		
Metor Actual Amps:	0.00	
	WARNING Actu Arrps exceed referenced nameplate Ampirating in lines 1, 2 to 3	
System Outside Air Read By:	CO2 Method	
	Update	
	- Protous Step Cancel Next Step -	Enter all actuals values

Warnings will auto-populate if critical information is left blank.

Audit Master Pro Training

Electric Coil AHU Mixed Air Report

This tutorial will act as a guide to create and input all data required for the selected air study.

Close

		Studies Private Comments Deficient	ces Mann of Criv Und Cristians Unit Cest		
Step 1		2 Step 2 Coli data configuration	3 Step 3 Data capture and report	Step 4 Report	E-mot.
Project Name	Test Project				
System	AHU 1				
Room/Area Served	9th Floor				
Description				1.	
Automatically Fill Next Row & Item					
It is recommended the airflow flowing through w(s) that effect the coils was balanced with "kn	n the coil(s) listed below be balanced with l own flows/values" prior to performing det	nown flows available prior to recording heat transfer data. ailed Coil Heat Transfer Performance Recordings: Canc	el Yes Yes, but over 1 year ago No Unknown Not Part Of This Contract Was told Yes by others		

Enter System Information

Select which answer best reflects the airflow balancing statement shown.

ELECTRIC COIL AHU MIXED AIR REPORT				
Studies Private Notes Commands (Married Lind)				
1 Step 1 System configuration	2 Step 2 Coll data configuration	3 Step 3 Oata capture and report	Ernet Step 4 Report	
Electric Heat Transfer Performance Data		Add All		
Add DESIGN Coil BTU/H Sensible	Add ACTUAL Coil BTU/H Sensible			
Airflow Heat Transfer Performance Data		Add All		
Add DESIGN Airflow - ΔT *F DB Column (Sensible)	Add Actual Airflow - &T *F DB Column (Sensible)	Add DESIGN Airflow - Coil & SP In/WC Column	Add ACTUAL Airflow - Coil & SP In/WC Column	
Add DESIGN Airflow - % RH, WB, DP Column	Add ACTUAL Airflow - % RH, WB, DP Column	Add DESIGN Coil Airflow	Add ACTUAL Coil Airflow	
	When collecting Airflow Transfer Data use: O Relative Humidity	O Wet bulb F O Dew Point		
← Previous Step → Cancel Next Step →				

Select Coil Configuration

Response required to these questions before continuing				
System at steady state for this test	Yes 🗌 No			
System steady state will be monitored and maintained for this test	Yes 🗌 No			
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.				

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.

Enter Actual Coil Data

Audit Master Pro Training

Electric Coil Terminal Device Report

This tutorial will act as a guide to create and input all data required for the selected air study.

Close

ELECTRIC COIL TERMINAL DEVICE RE	PORT				
		Studies Commerces Deficience	Men of CW Cristers Unit Cold		
1 Step 1 System configuration		Step 2 Coll data configuration	3 Step 3 Data capture and report	Step 4 Report	E-mc ²
Project Name	Test Project				
System					
Description				1.	
Add All Coil Airflows to VAV/CAV/FPB System Total	D .	Add All Coil Airflows to VAV/CAV/FPB Outlet Total	Add Total BTU/H to System Total		
Automatically Fill Next Row & Item					
Note: It is recommended the airflow flowing throug Airflow(s) that effect the coils was balanced with "kr	h the coil(s) listed b nown flows/values"	elow be balanced with known flows available prior to recording heat transfer data. prior to performing detailed Coil Heat Transfer Performance Recordings: Cance	Select Airflow Response -		

Enter System Information

ELECTRIC COIL TERMINAL DEVICE REPORT			
	Studies Private Comments Def	Kennoes Cov Cov Unit Cove	
Step 1 System configuration	2 Step 2 Coil data configuration	Step 3 Data capture and report	Step 4 Report
Electric Heat Transfer Performance Data		Add All	
Add DESIGN Coil BTU/H Sensible	Add Actual Coil BTU/H Sensible		
Airflow Heat Transfer Performance Data		Add All	
Add DESSA Airflow - ΔT *F DB Column (Sensible)	Add ACTUAL Airflow - ΔT °F DB Column (Sensible)	Add DESIGN Airflow - Coil & SP In/WC Column	Add Acruw. Airflow - Coil & SP In/WC Column
Add DESIGN Airflow - % RH, WB, DP Column	Add ACTUAL Airflow - % RH, WB, DP Column	Add DESIGN Coll Airflow	Add ACTUAL Coll Airflow
	← Previous Step	ancel Next Step →	

Enter Coil Configuration

Response required to these questions before continuing				
System at steady state for this test	Yes 🗌 No			
System steady state will be monitored and maintained for this test	Yes 🗌 No			
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.				

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.


	System	1 Step 1 configuration			2 Step 2 Coil data configuration		3 Step 3 Data capture and report			4 Step 4 Report	
Stack	ked Coil Configuration										E-mc ²
#	Room or Area Served	Rated Hz	Rated Phase	Actual Phase	Rated Volt	Rated Amp	Steps	Stages	5	Rated kW	Actual kv
1	5th Floor	60 ~	′ 3 Phase 🛛 🗸	3 Phase	460.00	12.00	2	3		10.00	
2	5th Floor	60 ~	′ 3 Phase 💊		460.00	12.00	1	1		10.00	
									Totals	20.00	0.00
			Device Mfg			Design Airflow - AT 'F I	(Plane/Print) Design Coll Air Ter	mperature AT °C DB			
			Device Model				(Plans/Print) Design Coll Air Ter	nperature ∆T °F DB			
De	esign Total Electric Coil BTU/H					Actual Airflow - AT 'F E	DB				
		(Plans/Print)) Design Coil BTU/H Total				Up Stream Coll Air Temp	erature Dry Bulb °F			
Ac	stual Total Electric Coil BTU/H							ΔT °F DB 0.00			
			Actual Total Coil BTU/H	0.00			Down Stream Coil Air Temp	erature Dry Bulb °F			
			% of Design	0.00			and the set of the set				
E	ectric Resistance Heating Device	(s)					(Plans/Print)	Design Airtiow CFM			
9	Indicate the nu	mber of Electric Res	sistance Heating Devices:	1				% Design 0,00			
				121				0.00			

Enter Actual Coil Data



Coil's Electric Resistance Heating Devices × You are about to decrease the number of Electric Resistance Heating Devices in this Coil. You will lose the data permanently. Are you certain you want to continue? Yes No

Confirm to continue





1 2

Item: 2		
Device Mfg Generic	Design Airflow - AT 'F DB	
Device Model 123	(Plans/Print) Design Coil Air Temperature ΔT °F DB	140.000
Design Total Electric Coil BTU/H	Actual Airflow - ΔT *F DB	
(Plans/Print) Design Coil BTU/H Total 18,000.000	Up Stream Coil Air Temperature Dry Bulb °F	55.000 E=mc ⁴
Actual Total Electric Coil BTU/H	ΔT °F DB	85.00 Conversion
Actual Total Coil BTU/H 7,864.65	Down Stream Coil Air Temperature Dry Bulb °F	140.000
% of Design 43.69%	(Plane/Print) Decision Airflow (CEA	500.000
Design Airflow Coil BTU/h Total		500,000
(Plans/Print) Design Total Coil 8TU/H 18,000.000	Actual Annow CEM	510,000
Electric Resistance Heating Device(s)	% Design	102,00%
Indicate the number of Electric Resistance Heating Devices:		
	Enter	Actual Coil Data
	Entor	
Bank 1		
Bank Not Operational/Not Used At Time of testing		
Bank Identifier: 5th Floor South		
Volts Amps		
Line 1: 234.000 9.850		
Update Bank		
	Update Cancel	
	← Previous Step Next Step →	







Audit Master Pro Training

Static Pressure Report

This tutorial will act as a guide to create and input all data required for the selected air study.



Х Select the type of report AIR REPORT TEMPLATES Engineered Fan Report Engineered Fan Array Report Electric Coil Terminal Device Report Electric Coil AHU Mixed Air Report Click "Static Pressure Report" Static Pressure Report Pitot Traverse Report Pitot Fan Report Outlet Master Report VAV Test Report CAV Test Report For Additional Report Sheets Scroll Down

Close



	Studies Notes Comments Deficiencies Und Orders Unit Cost	
1	2	3
Step 1	Step 2	Step 3
Test information	Components	Report
Project Name:	Test Project	
System:	AHU 1	
Equipment location:	1st Floor	
Area served:	1st Floor	
	Update Cancel	
	Next Step →	

Enter System Information



Response required to these questions before continuir	ng
System at steady state for this test Yes	No
System steady state will be monitored and maintained Yes for this test	No
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.	

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



STATIC Private Mem of Und C/W Orders \$ Testing Unit Cost ۶ Deficiencies р Comments Studies Ħ E=mc² 2 \leftrightarrow Conversio Step 1 Step 2 Step 3 Test information Components + Add Components Point Component **Fan Inlet & Pressure In/WC Total S.P. TP FTP FSP **Actual Fan Delete Id Pressure Discharge Designation Drop System CFM Total** Dimensions** Update Next Step \rightarrow ← Previous Step

Click "Add Components" to select the Category, Sub-Category and Components for the Static Pressure Test.



	Somportent		
C	Category:	Fans 🗸	
0	Sub category:	Outside Air Intake/Return Air Dampers Filters Heat Transfer Device	
0	Component:	Fans Specialty & Common Items Duct Fittings Miscellaneous	Accent

Select Category for Static Pressure Test.



Dimensi	ons**			
Select component				× ,
Category:	Fans	~		
Sub category:	Single	~		,
Component:		~		
	Inlet Discharge Fan Inlet (Rectangular) Fan Inlet (Round)		A	cept
OMPONENT	Fan Discharge (Rectangul Fan Discharge (Round) Supply	ar)	0.000	
OMPONENT	Return Exhaust Supply Array		0.000	0.000
OMPONENT	Return Array Exhaust Array Other		0.000	

Select the Component where Static Pressure is being taken.



Select component	ne de l'otterne		×	
Category: Sub category:	Fans Single	~		Click the box that best reflects why Static Pressures cannot be taken. A description box will
Component: Component Drop ca Component Drop ca Component Damage	Discharge In't be performed du In't be performed du	ue to Zero Tolerance S ue to Concerns of Drilli	pacing Between ing and Potential Accept	auto-populate.





Enter Actual Static Pressures



ompor	nents	Step 1 est information				2 Step 2 Components					3 Step 3 Report	
	Point	Component	**Fan Inlet & Discharge Dimensions**	Pressure	Designation	Pressure In/WC	Total S.P. Drop	TP	FTP	FSP	**Actual Fan System CFM Total**	Delete
	Upstream	FILTERS SINGLE FINAL		0+	ο.	0.850	0.160					
	Downstream	FILTERS SINGLE FINAL		0.	0	1.010						C
	Upstream	HEAT TRANSFER DEVICE SINGLE HOT WATER		0+	0	1.010	0.340					
	Downstream	HEAT TRANSFER DEVICE SINGLE HOT WATER		0+	0	1.350						0
	Upstream	HEAT TRANSFER DEVICE SINGLE CHILLED WATER		0+	0.	1.350	0.320					
	Downstream	HEAT TRANSFER DEVICE SINGLE CHILLED WATER		Ø+	0.	1.670						S
	Upstream	FANS SINGLE INLET		0+	0.	1.670	3.690					
	Downstream	FANS SINGLE DISCHARGE		0.	0.	2.020						ø

All readings will automatically calculate total pressure drop.



STATIC



Complete Report/Study





Upload a picture of the building you are working on which will be displayed as the front page of the final report.

Tip: Enter the address into a search engine and copy the photo shown which best represents the building.







Audit Master Pro Training

Pitot Traverse Report

This tutorial will act as a guide to create and input all data required for the selected air study.



Х Select the type of report AIR REPORT TEMPLATES Engineered Fan Report Engineered Fan Array Report Electric Coil AHU Mixed Air Report Electric Coil Terminal Device Report Static Pressure Report Pitot Traverse Report Click "Pitot Traverse Report" Pitot Fan Report Outlet Master Report VAV Test Report CAV Test Report For Additional Report Sheets Scroll Down Close



S Ptot co	tep 1 Nofiguration	Pits	Step 2 configuration		Step Create	3 report	E-m Conver	Audit Master Pl
Project Name	Test Project							
System	AHU 1							
Description					1.			-
Supply		Return 🔘	Exhaust 🔘	Outside Air				
	Part of System total	Part of Outle	total					Enter System Data
	Condition of Test Select Condition	of Test +						
Sy	ystem operated from a VFD?							
	Type of Duct Rectangular		Round		Oval			
	Method for Measurements AABC	Log Tchebycheff	Equal Area/TABB		NEBB	AMCA		-
OD Duct Dimension Hole Side ++	Dimension In	OD Duct Dimension Points Side : Dimension	In SQ/FT	internal in	ulation	In		
Desired Pitot hole "distance/location" from disturbance (ie.	bend, expansion, contraction)							n
Desired Down Stream Diameters	8,	Desired Up Stream Diameter	3	Total	"Ideal Straight" Duct Length		In	
Max. Straight Duct Available	in	% of Ideal	Dn-Stream Pitot Traverse Point Location	In Or	Up-Stream	In		-
	Total Heat	Ter	nperature Correction Required		Baro	ometric Correction Required	0	
		Required CF	4					
		Update	Cancel					



Supply O	Return 🔘	Exhaust 🔵	Outside Air 🔵	
Part of System total	P	art of Outlet total		
Condition of Test	Select Condition of Test 🗸			
System operated from a VFD?	NOC (Normal Operating Condition)		
Type of Duct	100 % Return Air	Round	Oval	
Method for Measurements	100 % Exhaust Air Minimum Outside Air	bycheff 📃 Equ	ial Area/TABB NEBB	AMCA
DD Duct Dimension Hole Side	Mixed Air n Other	Vinension In	SQ/FT Internal Insulation	In
Desired Pitot hole "distance/location" from distur	bance (ie. bend, expanyion, contraction	n)		
Desired Down Stream 8	Desired Up Stream	n Diameters 3	Total "Ideal Straight" Duct	In



System opera	ted from a VFD?		O	Hz	%		Other				HZ	43	71.67 %	
	Type of Duct	~	Rectangular			Round				Ov	al			
Method for	Measurements		AABC	🔽 Lo	g Tchebycheff		Equ	ual Area/TABB		NEE	B	- A	MCA	
OD Duct Dimension Hole Side \leftrightarrow	24	In	OD Duct Din	nension Points Side	24	In 3.67	4	SQ/FT	Inter	nal Insulation	.5	In		E=mc ²
Desired Pitot hole "distance/location	n" from disturbar	ice (ie.	bend, expans	sion, contraction)										Conversion
Desired Down Stream Diameters	8			Desired Up S	Stream Diameters	3			Total "Ideal	Straight" Duc	t Length	285.48	In	
Max. Straight Duct Available	176	In	61.65	% of Ideal	Pitot	Traverse Point	Location	Dn-Stream 128.00	In	Or	Up-Strean 48.00	n In		
	Total Heat	0	D		Temperature C	orrection Requ	ired	\mathbb{D}		Baro	metric Cori	rection Require	d 🔵	
					Required CFM	1								
					Update	Canc	el							
					Next	Step \rightarrow								

Enter Data



Response required to these questions before continuir	ng
System at steady state for this test Yes	No
System steady state will be monitored and maintained Yes for this test	No
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.	

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



	Studies Priva Note	te Comments Deficiencies	C/W resting Unit Cost	
1 Step 1 Pitot Configuration		2 Step 2 Pitot Test	3 Step Create R	3 eport E=mc ²
Project Name Test Project				Conversions
System Description				
Condition of Test	Select Condition of Test -			
Is system operated from a VFD?				
Type of Duct	Rectangular	Round	Oval	
Method for Measurements	AABC	Log Tchebycheff Equa	I Area/TABB NEBB	AMCA

Enter Data



OD Duct Dimension H	lole Side	24 In	OD	Duct Dimension Points Side	24	In 3.674	SQ/FT	Internal Insulati	on 0.5		In
Desired Pitot hole "distance/lo	cation" fro	om disturbance (ie. bend, expans	ion, contra	ction)							
Desired Down Stream	Diameters	8		Desired Up Stre	am Diameters	3		Total "Ideal Straight" Du	ict Length	285.48	
Max. Straight Duct /	Available	176 In 6	1.65	% of Ideal	Pito	ot Traverse Point Location	Dn-Stream 128.00	In Or	Up-Stream 48.00	ir	Eemc3
		Temperature Correction	Required	0			Barometric	Correction Required			Conversio
					Req	uired CFM					
Point Side	Hole Side	2.20		7.12		12.00		16.88			21.80
2.202		Ft/min		Ft/min		Ft/min		Ft/min		Ft/min	
7.124		Ft/min		Ft/min		Ft/min		Ft/min		Ft/min	
12		Ft/min		Ft/min		Ft/min		Ft/min		Ft/min	
16.876		Ft/min		Ft/min		Ft/min		Ft/min		Ft/min	
21.798		Ft/min		Ft/min		Ft/min		Ft/min		Ft/min	
Avg Velocity	0.00	Actual ACFM	0,00		% of Design	0.00	Sensib	le BTU/H			
Airflow Temperature Fo Cal	r Energy culation		DB*	Required							
					Update	Cancel					
				← Previous St	tep	Next Step	→				
						- 1A-2					

Enter Pitot Readings







Audit Master Pro Training

Pitot Fan Report

This tutorial will act as a guide to create and input all data required for the selected air study.







S Pitot co	1 tep 1 nfiguration		Pitot e	2 Step 2 antifiguration	<u>e</u>	-3 Step 3 reade report
						_
Project Name	Test Project					
System						Come
Description						h
	Condition of Test	Select Condition of Test 🕶				
S	ystem operated from a VFD?					
Type of Duct 🛛 Rectangular				Round	Oval	
	Method for Measurements 🛛 💆 AABC		Log Tchebycheff	Equal Area/TABB	NEBB	AMCA
OD Duct Dimension Hole Side			D Duct Dimension Points Side 1 Elimenation		Internal Insulation	in
Desired Pitot hole "distance/location" from disturbance (ie.	bend, expansion, contraction)				
Desired Down Stream Diameters	8		Desired Up Stream Diameters	3	Total "Ideal Straight" Duct Leng	gth In
Max. Straight Duct Available		In	% of ideal	Dn-Stream Pitot Traverse Point Location	Or Up-Stream	In
	Total Heat	Ð	Tem	perature Correction Required		Barometric Correction Required
			Required CFM Update Next S	Cancel Step →		

Enter System Data



Response required to these questions before c	continuing
System at steady state for this test	Yes 🗌 No
System steady state will be monitored and maintained for this test	Yes 🗌 No
"Steady State" Defined as a system that is maintaining constant f temperature based on the testing being performed.	flow and/or

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



		St Pitek.co	tep 1 nfguration				Step 2 Pittet configuration					Step Craste	9 3 3		Audit Maste
		Project Name	Test Project												
		System	AHU 1												
		Description										1,			
			Condition of Test	NOC (Normal Operating Condit	on) ,										
			Normal Operating Condition	Visual		Actual					12,223				
				-	9t O/A			₩ R/A	100		₩ M/A			% Exhaust	Entor Ditot Data
			Type of Duct	Rectangular			Round				Oval				Enter Filot Data
			Method for Measurements	AABC	Eog	Tchebycheff		Equal Area/T	ABB		NEBB		AMCA		
	OD D	uct Dimension Hole Side	36	In	OD Duct Dimensio	n Points Side 24	in 6.000		SQ/FT		Internal Insulation	a.	in		
Desired Pitot hol	le "distance/location" from d	isturbance (ie. bend, expan	sion, contraction)												
	Desires	i Down Stream Diameters	8			Desired Up Stream Dia	meters 3				Total "Ideal 5	traight" Duct Length	364.84		
	Ma	k, Straight Duct Available	125	In 32,89	% of Ideal		Pitot Trav	Dn-S erse Point Location 87	Stream	In	Or ^{Up-} 3:	Stream	In		
2				Temperature Correction Required	0					Barometric Correction	on Required				_
							Required CFM 2	000							
Point Side	Hole Side	3.00		9.00		15.00		21.00		27.00			33.00		
	3.00	Rimin		Pt/min		-Pi/min		Pulmin		Pt/min	1		Ft/mm		
-	9.00	Fl/min		Ft/min		Funcies		FUrnin		FUmin	5		FUmm		_
-	15.00	Pt/min Pt/min		Pt/min Pt/min		Pt/min Pt/min		Ft/min Ft/min		Pt/min Pt/min	1		Ft/min		
	21.00					1 Addition									
	Avg	elocity 0.00		Actual ACFM 0.00		% of E	esign 0.00			Sensible BTU/H					
	Airflow Temperatu	re For Energy Calculation		DB*	Required										
						Upda	te Cancel								







Audit Master Pro Training

Outlet Master Report

This tutorial will act as a guide to create and input all data required for the selected air study.







DIFFUSER, REGISTER & GRILLE TEST REPORT

Studies Private Comments Periodec Comments

	- 4000 110010000				0.			WEET1799		
Project	t Name Test Pr	oject								-
-	System AHU 1									
Desc	ription							1.		
	Supply 🔘		Return 🔘		Exhaust 🔵	Outside A	ir 🔿			
	Part of Sys	stem total		Part of Outlet to	otal					
Fill N	ext Item		Temperature Sensible Dr	y Bulb		Total Heat		Diffuser/Grille	Neck Size	
Minimum Outlet CFM R	ecorded		Diffuser / Grille	Model						
Room or Area Served	Diff / Grille Rect.	Diff / Grille Round	Grille Length / Diameter	Diff / Grille Width	Balance Damper Missing	AK Factor / SQ/FT	Meter / Device	Required CFM	Not Listed	
	0	0	In	In	0	1.000	Hood 🕶	1.000	0	8

Enter Outlet Information



Add Outlet information shown on prints. If no prints are available, click "Not Listed." Minimum Outlet CFM Recorded Diffuser / Grille Model E=mc² -Balance inversi Diff / Grille AK Factor / Diff / Grille Diff / Grille Grille Length Neck Neck Neck Damper Meter / Not **Required CFM** Listed Room or Area Served Rect. Round / Diameter Width Round Rect. Length Neck Width Missing SQ/FT Device 0 0 Diameter: Hood -1 1st Floor North 24 24 8 1.000 250.000 0 0 Diameter: 2 1st Floor South Hood -24 24 8 250.000 1.000 0 0 Diameter: Hood -3 1st Floor East 24 24 8 1.000 250.000 0 0 Diameter: Hood + 4 1st Floor West 24 24 8 1.000 250.000 + Warning: Make sure the AK Factor is correct for all Meter/Devices being used Next Step \rightarrow Cancel Meter/Device: Choose the equipment being used for this test.

Note: When creating an Outlet, you can select "delete" to remove any outlets or "duplicate" to copy outlets.


Response required to these questions before continuir	ng
System at steady state for this test Yes	No
System steady state will be monitored and maintained Yes for this test	No
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.	

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.





Click "Accept"





Enter Required Outlet Information



DIFFUSER, REGISTER & GRI	LLE TEST RE	PORT			
		Studies Co	Deficiencies	\$ Testing Unit Cost	
					E≓mc ²
s	1 tep 1		2 Step 2		3 Step 3 Conversions
Outlet i	nformation		Outlet readings		Report
Project Name	Test Project				ANF
System	AHU 1				
Description					1
Barometric Pressure					
Use S	Site Specific Default	0	"Actual" Barometric Press	ure In/Hg 29.150	
Missing / Extra		0	0	0	•
Number #		1	2	3	4
Room or Area Served		1st Floor North	1st Floor South	1st Floor East	1st Floor West

Enter Information

Enter actual outlet readings and information



Minimum CFM Required	Notes	comments Dendencies Und	Orders Unit Cost		
Minimum CFM Recorded					
Actual Minimum Velocity					
Final Corrected Airflow ACFM	241.00	265.00	255.00	246.56	
% of Design	96.40%	106.00%	102.00%	98.62%	
Min/Max Flows Allowable CFM	225.0 /	225.0 / 275.0	225.0 / 275.0	225.0 / 275.0	E
Key Outlet	0	0	0	0	E=mc ²
Number #		2	3	4	
Room or Area Served	1st Floor North	1st Floor South	1st Floor East	1st Floor West	AK F
Total Final Co Key Outlet / Most	rrected Actual Airflow ACFM 1,007.5 Total Required CFM 1000 Percentage 100.76% Restrictive and Wide Open • 1				

Note: A key outlet must be selected for every system.







Audit Master Pro Training

VAV Test Report

This tutorial will act as a guide to create and input all data required for the selected air study.



Х Select the type of report AIR REPORT TEMPLATES Engineered Fan Report Engineered Fan Array Report COEA COET Electric Coil Terminal Device Report Electric Coil AHU Mixed Air Report Click "VAV Test Report" Pitot Traverse Report Static Pressure Report Pitot Fan Report et Master Report VAV Test Report **CAV Test Report** FPBR For Additional Report Sheets Scroll Down

2

Close



VAV TEST REPORT \$ Testing Unit Cost Private Notes C/W Orders Mem of Und Соттепts Deficiencies Studies E=mc² 1 \leftrightarrow Step 1 Step 2 Step 3 Step 4 Conversions Controls Outlet readings & Parameters Select Control Type -Control Type: Select Control Type. Next Step \rightarrow Cancel Select Control Type



	Box	x Identifier:									
	В	ox Address									
	Ма	nufacturer:				Manufacturer N	lot Available				
	Mod	el Number:				Model Number	Not Available				
	Ser	ial Number				Serial Number	Not Available				E=mc ²
	Туре о	f Inlet Duct	Round	Rectangular							onversio
	Design Box Inle	t Diameter:	Inches								AK F
	Actual Box Inle	t Diameter:	Inches								
		SQ/FT:									
	Box Mfg. Listed/Label CFM S	Size/Range:	Go to Mfg's literatu	re							
#	Room or Area Served	Diff / Grille Rect	Diff / Grille Round	Length	Width	AK Factor	Meter / Device	Required CFM	Not Listed		
1		0	0	In	In	1	Hood -	1.000	0	۵	ዊ
4											Þ
											+
			War	ning: Make sure the	AK Factor is correct for all	Meter/Devices being used					
				← Previous Ste	P Cancel	Next Step \rightarrow					

Enter VAV Data



/AV TEST REPORT							
		Studies Private Con	Deficiencies Und	f C/W Testing Orders Unit Cost			
1 Step 1 Controls		2 Step 2 Control configuration		3 Step 3 Outlet readings & Parameters		Step 4 Report	E=mc ²
Project Name	Test Project						Conversions
System							AK F
Description						6	
Supply 🔘		Return 🔘	Exhaust 🔘	Outside A	Nir 🔘		
Part of	System total	P	art of Outlet total				
Fill Next Item	D T	emperature Sensible Dry Bulb		Total Heat	D	iffuser/Grille Neck Size	
Minimum Outlet CFM Recorded	\mathbb{D}	Diffuser / Grille Model					
							1
Coil Type Linked to	o this Device: Non	e			~		
В	Box Identifier:						
	Box Address						

Note: When creating a VAV, you can select "delete" to remove any VAVs or "duplicate" to copy VAVs.



	Minimum Outlet CFM Recorded	SI	tudies Private Notes	Comments Deficiencie	s Mem or Und	C/W Lesting Orders Unit Cost	~				
(VAV 2.1										
	Coil Type Linked to this Device:	None					~				
	Box Identifier:	VAV 2.1									E=mc
	Box Address	VAV 2.1									
	Manufacturer:	Box				Manufacturer Not Avai	able				onvers
	Model Number:	1234				Model Number Not Ava	ilable				AK
	Serial Number	4321				Serial Number Not Ava	ilable				
	Type of Inlet Duct	Round [Rectangular								
	Design Box Inlet Diameter:	16									
	Actual Box Inlet Diameter:	16									
	SQ/FT:	1.396									
	Box Mfg. Listed/Label CFM Size/Range:	Go to Mfg's literature	9								
ŧ	Room or Area Served Diff / Grille Rect	Diff / Grille Round	Length	Width		AK Factor	Meter / Device	Required CFM	Not Listed		
1	2nd Floor North	0	24	24		1	Hood 🕶	250.000	0	•	41
2	2nd Floor South	0	24	24		1	Hood -	250.000	0		4

Initial VAV data is locked and protected when entering actual field data.



	Box Mfg. Listed/Label CFI	M Size/Range:	Go to Mfg's literatu	re						
#	Room or Area Served	Diff / Grille Rect	Diff / Grille Round	Length	Width	AK Factor	Meter / Device	Required CFM	Not Listed	
1	2nd Floor North	0	0	24	24	1	Hood -	1.000	0	a
2	2nd Floor South	0	0	24	24	1	Hood +	1.000	0	E=mc ²
3	2nd Floor East	0	0	24	24	1	Hood -	1.000	0	
4	2nd Floor West	0	0	24	24	1	Hood +	1.000	0	Conversion Conversion
								4.00		AK F
										÷.
	i CALCULATE	D CFM RANGE e Industry Calculate	d CFM Range for th	is VAV based on its {	8.00 In inlet neck size: [47	1.24] CFM Minimum and [7	785.40] CFM Maximu	m		+
			Warr	ing: Make sure the A ← Previous Step	AK Factor is correct for all	Meter/Devices being used Next Step →				

The stated neck size will automatically calculate a velocity range that the VAV can provide in terms of ideal CFM.



Response required to these questions before continuir	ng
System at steady state for this test Yes	No
System steady state will be monitored and maintained Yes for this test	No
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.	

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.





Parameters and Custom Parameters can be added based on project design requirements.



	Audit Master
Total Final Corrected Actual Airflow ACFM 991.00	
Total Required CFM 1,000.00	The next page
Total ACFM Percentage 99%	will explain the information icon.
Balancing a VAV, CAV or FPB System with a Designed Diversity:	ion
Identifying Optimum Fan System Operating Static Pressure (SP) Set- Point when finished balancing any VAV, CAV or FPB System:	F
Parameters	
Parameter Select Item - Default selected parameters to all boxes associated to this fan system Add	
Custom Parameters	
Name Value	
Update Cancel	
← Previous Step Next Step →	





Cling any vov,

Informational assistance icon







Audit Master Pro Training

CAV Test Report

This tutorial will act as a guide to create and input all data required for the selected air study.









A	∧ /P [™]
Audit	Master PRO

	0			2							0		
	Step 1 Controls			Step 2 Control configuration				Step 3 Ounes readings & Parameters			Step 4 Report		
	Project Name Te	est Project											
	System Al-	HU 1											
	Description										0/1		
	Fill Next Item	D		Temperature Sensible Dry Bul	b 💽			Total Heat			Diffuser/Grille	Neck Size	
Minin	um Outlet CFM Recorded	D		Diffuser / Grille Mod	el 🕥								
00													
	0	oil Type Linked to this Device:	Hydronic						\sim				
	Hydronic C	oll Type Linked to this Device:	Hydronic Hot Water						\sim				
		Box Identifier:	Generic 123										
		Box Address	Generic 123										
		Manufacturer:	123					Manufacturer Not Available					
		Model Number:	321					Model Number Not Available					
		Serial Number	123					Serial Number Not Available					
		Type of Inlet Duct	Round	Rectangular									
		Design Box Inlet Diameter:	12		1								
		Actual Box Inlet Diameter:	14]								
		SQ/FT:	1.069										
	Box Mfg.	Listed/Label CFM Size/Range:	So to Mitg's literature]								
ea Served	Diff / Grille Rect	Diff / Grille Round	Length	Width	Neck Round	Neck Rect,	Netk Length	Neck Width	AK Factor	Meter / Device	Required CFM	Not Listed	
	0	0	24	24	0	0	Diameter:	10	1	Hood +	2,000.000	0	E
											2.000.00		

Enter CAV Information



Response required to these questions before continuir	ng
System at steady state for this test Yes	No
System steady state will be monitored and maintained Yes for this test	No
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.	

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



CAV TEST REPORT Sucies Notes Comments Deficiencies Mem of Comments Und E=mc² 1 2 Step 1 Step 2 Step 3 Step 4 Outlet readings & Parameters AK F Project Name Test Project System AHU 1 Description Barometric Pressure Use Site Specific Default "Actual" Barometric Pressure (in Hg) Pb 16.9 Generic 123 Missing / Extra Number # 1 8th Floor Room or Area Served Rectangle Diffuser / Grille Type 24, 24 Diffuser / Grille Dimension(s) Round Neck Type 10 Neck Dimension(s) 1.00 AK Factor Hood -Meter/Device Correct for Barometric Correct for Temperature Diffuser Temperature DB °F Required Velocity FPM 0 Actual Velocity FPM 2,000.00 **Required CFM**

Enter Actual Data



Required CFM		2,000.00		
CFM Read				
Minimum CFM Recorded				
Actual Minimum Velocity				
Final Corrected Airflow ACFM				
% of Design				Emme ^a
Min/Max CFM		1,800.0 / 2,200.0		
Key Outlet		0		Conversions
Number #		1		AK F
Room or Area Served		8th Floor		
Total Final Corrected Actual Airflow ACFM	0.00			
Total Final Minimum ACFM Recorded	0.00			
Total Required CFM	2,000.00			
Total Required Minimum CFM				
Total ACFM Percentage	0			
Total Minimum ACFM Percentage	0			
Balancing a VAV, CAV or FPB System with a Designed Diversity:	á			
Identifying Optimum Fan System Operating Static Pressure (SP) Set-Point when finished balancing any VAV, CAV or FPB System:	i			
Parameters				
Parameter Select Item +			Default selected	parameters to all boxes associated to this fan system Add
Design GPM			0	
Custom Parameters				
Name	Value			•
	Update	Cancel		
	← Previous Step	Next Step →		

Enter Actual Data Continued

You are able to save the parameters on a CAV as the default.

This will be the default standard for all subsequent CAVs.



Balancing a VAV, CAV o	or FPB Syste	m with a Designed Diversity:		
Identifying Optimum Fan System Operating Static Pressure (SP) Set-Point when	finished ba	alancing any VAV, CAV or FPB i System:		
Parameters				
	Parameter	Select Item +		Default selected parameters to all boxes associated to this fan system Add
De	esign GPM	AK Factor Ak/K-Flow Factor	-	
Box Inlet S bio	c Pressure	Box Discharge Static Pressure Box Discharge Temperatures		
Custom Parameters		Box Inlet Static Pressure		
Name		Box Inlet Temperatures	-	Value
L				Update Cancel
			← Previ	vious Step → Next Step →

Select Parameters from the drop down menu.



Warning

 \times

Low Pressure Terminal/Duct Velocity is considered excessive for the following Neck Sizing, discuss with the design engineer if this is undersized for this installation.

Box Identifier	Room Area Served	Actual SqFt	Actual Velocity
Generic 123	8th Floor	0.5454154	4,028.12

Are you certain you want to move forward?



A warning will appear if the calculated velocity exceeds industry standards for the neck size that is stated to be installed.







Audit Master Pro Training

FPB Test Report

This tutorial will act as a guide to create and input all data required for the selected air study.



Select the type of report



Х

Close





FPB TEST REPORT										Audit Master PRO
					α \$. \$					
			Studies	Notes Comments Deficiencies Uno	Unders Unit Core					
	Step 1 Controls		2 Step 2 Control configuration		3 Step 3 Outles readings 6. Parameters			Step 4. Tieport		
	Project Name Test Project									
	System									
	Description						1			
	Fill Next Item		Temperature Sensible Dry Bulb		Total Heat			Diffuser/Grille Neck Size		
Minimu	m Outlet CFM Recorded		Diffuser / Grille Model							
00										Entor EDP Information
	Call Type Linked to this Device:	Gartrin				X				Enter FPD Information
	Box Identifier:					•				
	Box Address									
	Manufacturer:				Manufacturer Not Available					
	Model Number:				Model Number Not Available					
	Serlai Number				Serial Number Not Available					
	Type of Inlet Duct	Round	Rectangular							
	Design Box Inlet Diameter:	Inches								
	Actual Box Inlet Diameter:	inches								
	Box Mfg, Listed/Label CFM Size/Range:	Go to Mfg's literature								
# Room or Area Served	Diff / Grille Rect	Diff / Grille Round	Length	Width	AK Factor	Meter / Device	Required CFM	Not Listed		
1	0	0	in	In	1	Hood +	1.000	0	0 2	
4										
			Warning	: Make sure the AK Factor is correct for all Meter	Devices being used					
				- Previous Step Cancel Ne	xt Step →					



Response required to these questions before c	continuing
System at steady state for this test	Yes 🗌 No
System steady state will be monitored and maintained for this test	Yes 🗌 No
"Steady State" Defined as a system that is maintaining constant f temperature based on the testing being performed.	flow and/or

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



PB TEST REPORT				
		Studies Party Commanic Deficiencies (C)	Ş Teung Una Con	
Step.1		2 Step 2 Carant or dip contain	3 Step 3 Cultit readings A Parameters	Contraction of the second seco
		-(1.65.2%-*******	-100000 2010000 2010000 pp.3	
Project Name	Test Project			
System	ARU 1			
Description				1.
Barometric Pressure				
	Use Site Specific Default		"Actual" Barometric Pressure (in Hg) Pb 16.9	
Géneric				
Missing / Extra			0	
Number #			1	
Room or Area Served			10th Floor	
Diffuser / Grille Type			Rectangle	
Diffuser / Grille Dimension(s)			24, 24	
AK Factor			1.00	
Meter/Device			Hood +	
Correct for Barometric				
Correct for Temperature			Ő.	
Diffuser Temperature DB *F			<u>8</u>	
Required Velocity FPM				
Actual Velocity FPM			0	
Required CFM			2.000.00	
CFM Read				
Minimum CFM Recorded				
Actual Minimum Velocity				
Final Corrected Airflow ACFM				
% of Design				
Min/Max CFM			1.800.07.2,200.0	
Key Outlet				
Number #			1	
Room or Area Served			10th Floor	

Enter Actual Data



Required Velocity FPM						
Actual Velocity FPM				0		
Required CFM				2,000.00		
CFM Read						
Minimum CFM Recorded						
Actual Minimum Velocity						
Final Corrected Airflow ACFM						
% of Design						
Min/Max CFM				1,800.0 / 2,200.0		
Key Outlet						
Number #				1		
Room or Area Served				10th Floor		
Total Hinal Corrected Actual Airflow ACFM	0.00					
Total Final Minimum ACFM Recorded	0.00					
Tetal Required CFM	2,000,00					
Total Required Minimum CFM						
Total ACFM Percentage	0					
Total Minimum ACFM Percentage	0					
Balancing a VAV, CAV or FPB System with a Designed Diversity:	i					
Identifying Optimum Fan System Operating Static Pressure (SP) Set-Point when finished balancing any VAV, CAV or FPB System:	i					
Parameters						
Parameter Select Item +					Default selected parameters to all boxes associa	ted to this fan system Add
Parallel Flow FPB / Series Flow FPB Parallel Flow FPB		Series Flow FPB		_		
Design kWs				•		
Custom Parameters						6.5
Name		Valu	e			
		Update	Cancel			
		← Previous Step	Next Step \rightarrow	L. C.		

Enter Actual Data Continued






Velgrid Test Report

This tutorial will act as a guide to create and input all data required for the selected air study.







Enter Velgrid Information

Description								
Type of T	erminal Device being tested	Rectangular			Rour	nd		
	Rectangular Dimension	24	In By 24	In	4.00	SQ/FT		
	Number of readings	X axis ↔	Yaxis‡ By 2		Custom Matrix			
	Condition of Test	NOC (Normal Operating	Condition) 🗸					
1	Normal Operating Condition	Visual Damper Position		Actu		ual Damper Position		
			% O/A			% R/A		94
	Total Heat	0			Correct For Temperate	ure Compensation		

The number of readings needed will automatically populate.

If a different number of readings is needed, you may select "Custom Matrix" and enter the number of "X" and "Y" axis readings required.

Enter Velgrid readings and additional data



Supply O			0	Contraction Return				Outside Air 🔘	
Part of System total 🜌				Part of Outlet total					E-m
		Type of Terminal Device being tested	Rectangular			Round			Conver
		Rectangular Dimension	24	In By 24	In 4,00	SQ/FT			AK
		Condition of Tes	NOC (Normal Operation	ng Condition) +					
		Normal Operating Condition	Visual		Actual				
			0	% O/A	100	% R/A	100	96 M/A	% Exhaust
		Correct F	or Temperature Compensation	n ()			Correct Fo	or Barometric Compensation	
Y	X 1					2			
1	265.000					245.000			
2	278.000					234.000			
		Total Velocity 1,022.00		Avg Velocity	255.50	True Corrected A	verage Velocity	452.87	Actual ACFM 452.87
		Required CFM 1,000.000		AK Factor	1.00		% of Design	45.29%	
Air	flow Temperature For Energy	Calculation 71.23	D8*		Relative Humidity 64.00	O Relative H	umidity	O Wet bulb F	O Dew Point
		Total BTU/H 58,072.12			Sensible BTU/H 34	.915.63			
					Update	Cancel			
					← Previous Step	Next Step \rightarrow			

The "AK F" icon will load a calculator to create the factor.















General Matrix Report

This tutorial will act as a guide to create and input all data required for the selected air study.





Enter System Information



GENERAL MATRIX TEST REPORT					
		Studies Private Commen	s Defidencies Und Cow Unit Cos	ξ.	
S System 1	1 Step 1 configuration		Step 2 System configuration		Erence Step 3 Report
Project Name	Test Project				
System					
Description					li.
Type of Termi	nal/Duct Device being tested 🛛 🛃 Rectangular		Round		
Rectangular Dimension	24 In By 24	In 4.00	SQ/FT		
Number of readings	Xaxis↔ Yaxis‡ 4 By 4				
Condition of Test	NOC (Normal Operating Condition) -		-		
	Normal Operating Condition	Visual Dampe	Position	Actual Damper Position	
	96 D//		96 R/A	% M/A	% Exhaust
	Total Heat	c	orrect For Temperature Compensation		Correct For Barometric Compensation
		Upd	Cancel		
		I	Next Step \rightarrow		

You will be required to enter the desired number of readings for the "X" and "Y" axis. The velocity matrix does not automatically populate reading quantities.



Response required to these questions before continuing								
System at steady state for this test Yes	No							
System steady state will be monitored and maintained Yes for this test	No							
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.								

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



	Step 1 System configuration			2 Step 2 System config.	retion		Step 3 Report
	Project Name Test Project						
	System						
	Description						1.
	Type of Terminal Device	eing tested 🛛 Re	ectangular		Round		
	Rectangula	Dimension 24	In By 24	in 4.00		SQ/FT	
	Numbe	of readings	x y By a				
	Con	ition of Test NOC	(Normal Operating Condition) +				
	Normal Operati	g Condition 🔽 Vis	sual % O/A	Actual	96 R/A	95 N	MA M Exhaust
		Correct For Te	emperature Compensation			Correct For Barometric Compensation	
×	t		2		3		4
1	654		654		654		654
2	654		654		654		654
3	654		654		654		654
4	854		854		654		854
4							•
	Total Velocity 10.454.00		Avg Velocity	654.00	True Corr	ected Average Velocity 654.00	Actual ACPM 654
	Required CFM 2,000.000		AK Factor	1.00		% of Design 32.70%	
	Airflow Temperature For Energy Calculation	DB*					
	Sensible BTU/H 49,552.27						
				Update	Cancel		
				- Previous Step	Next Step \rightarrow		

Enter Actual Data







Rotating Vane Anemometer Report

This tutorial will act as a guide to create and input all data required for the selected air study.







ROTATING VANE ANEMOMETER				
			Studies Private Comments Deficiencies Conders Unit Cost	
System	1 step 1 configuration		Step 2 System configuration	3 Step 3 Report
Project Name	Test Project			
System				
Description				1
Type of Termi	nal/Duct Device being tested	Rectangular	Round	
Rectangular Dimension	Width	in By Height	In SQ/FT	
RVA Head Diameter (In)	Diameter			
Number of readings	X axis ↔ Left to Right	Y axis ‡ By Up and Down		
Condition of Test	Select Condition of Test -			
	Total Heat	6D	Correct For Temperature Compensation	Correct For Barometric Compensation
			Update Cancel	
			Next Step \rightarrow	

Enter System Information



System	1 Step 1 configuration	Step 2 System configuration			3 Step 3 Report
Project Name	Test Project				Erme
System	AHU 1				Conversio
Description	6th Floor				1.
Type of Term	inal/Duct Device being tested 🛛 🜌 Rectangular	Round			
Rectangular Dimension RVA Head Diameter (In) Number of readings	4.75 In By 4.75 4.25 X axis ↔ Y axis ‡ 1 By 1	In 0.16	SQ/FT		
Condition of Test	NOC (Normal Operating Condition) -				
	Normal Operating Condition 9 D/A	Visual Damper Position 96 R/A	M/A	I Damper Position	% Exhaust
	Total Heat	Correct For Temperature Update Cance	Compensation	C	orrect For Barometric Compensation
		Next Step →			

The Rotating Vane Anemometer (RVA) sheet will automatically calculate the required number of readings based on the entered opening and RVA head size.



Response required to these questions before continuing								
System at steady state for this test	Yes	No						
System steady state will be monitored and maintained for this test	Yes	No ,						
"Steady State" Defined as a system that is maintaining co temperature based on the testing being performed.	nstant flow and/o	or						

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is a critical to testing as it ensures that any readings or calibrations are repeatable.



ATING VANE ANEMOMETER					
		Studies Protection	Differences Constraints		
0			0		0
Step 1 System configuration		ş	Step 2 ystem configuration		Step 3 Report
Project Name Test Project					
System AHU 1					
Description 6th Floor					11
Type of Terminal Device being teste	Rectangular		Round		
Rectangular Dimension	n 4.75 in By 4,	25 in 0.16	SQ/FT		
Number of reading	s By t	У.			
Condition of Tes	NOC (Normal Operating Condition) +				
Normal Operating Condition	Visual	Actual			
		96 Q/A	96 R/A	95 M/A	100 % Schaust
Co	rrect For Temperature Compensation		1	Correct For Barometric Compensation	
Use Sweep method	Enter your total value for "Sweep Method" in	the first cell of the matrix, cells will auto populate.			
× 1					
1 753					
Total Velocity 753.00		Avg Velocity 753:00	True Corrected Average Velocity	y 753.00	Actual ACFM 97.89
Required CFM 100.000		AK Factor 0.13	% of Design	n 97.89%	
Airflow Temperature For Energy Calculation 69.10	DB*				
Sensible BTU/H 56.319.76					
		Update	Cancel		
		Drundou e Fran	blood Shop		

Enter Actual Data







Air Foil Test Report

This tutorial will act as a guide to create and input all data required for the selected air study.





Enter System Data



AIR FOIL			
		Studies Comments Comments	
	0	0	
S System	Step 1	Step 2 System configuration	Step 3 Conversi Report
Project Name	Test Project		
System			
Description			1.
	Type of Duct Rectangular	Round	
Rectangular Dimension	Width In By Height In	SQ/FT	
Number of readings	X axis ++ Y axis 1 Left (o Right By Up and Down		
Condition of Test	Select Condition of Test -		
	Total Heat	Correct For Temperature Compensation	Correct For Barometric Compensation
		Update Cancel	
		Next Step \rightarrow	

You will be required to enter the desired number of readings for the "X" and "Y" axis. The velocity matrix does not automatically populate reading quantities.



Response required to these questions before continuing								
System at steady state for this test Yes	No							
System steady state will be monitored and maintained Yes for this test	No							
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.								

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.



AIR F	DIL														
						Studie	S Provine Notes Comments	Deficiencies	Criters Core						
			Si System o	tep 1				2 Step 2 System configuration					Step 3 Report		
			Project Name	Test Project											
			System	AHU 1											
			Description										1.		
				Type of Duct	Rectangular			Round					U.C.		
				Rectangular Dimension	10	In By 16	In 1,78			SQ/FT					
				Number of readings	* 2	y By 2									
				Condition of Test	NOC (Normal Operating Cond	ition) +									
				Normal Operating Condition	Visual	36 O/A	Actual		96 R/A	100		96 M/A		% Exhaust	
				Corre	ect For Temperature Compensation					Con	rect For Barometric Compensation				
Y		× 1						2							
	1	456						89	8						
-		787						45	4						
<u>_</u>															P
			Total Velocity	2,995.00		Avg Velocity	648.75		True Correct	ted Average Velocity	648.75		Actual	ACFM 648.75	
			Required CFM	650.000		AK Factor	1.00			% of Design	99.81%				
		Airflow Tempe	erature For Energy Calculation 6	8.00 D	B*										
			Sensible BTU/H	47.750.08											
							Updat	te Cancel							
							- Previous Step		xt Sten						
							- render step	(C)							

Enter Actual Data







Hot Wire Anemometer Report

This tutorial will act as a guide to create and input all data required for the selected air study.







HOTW	IRE AN	EMOM	ETER
------	--------	------	------

		Studies Private Comments Defic	Mem of City Und City Unit Cast			
S System t	tep 1	System	Step 2 n configuration		S	3 tep 3 eport
Project Name	Test Project					Conversi
System	AHU 1					
Description					11	
Type of Termir Rectangular Dimension Number of readings	In By Yaxis 1 2 By 2	in 1.00	Round SQ/FT			
Condition of Test	NOC (Normal Operating Condition) -					
	Normal Operating Condition % O/A	Visual Damper Position		M/A Actual Dam	per Position	% Exhaust
	Total Heat	Correct Fo	Cancel		Correct	For Barometric Compensation
		Next	JUEP			

You will be required to enter the desired number of readings for the "X" and "Y" axis. The velocity matrix does not automatically populate reading quantities.



Response required to these questions before continuing					
System at steady state for this test	Yes 🗌 No				
System steady state will be monitored and maintained for this test	Yes 🗌 No				
"Steady State" Defined as a system that is maintaining constant flow and/or temperature based on the testing being performed.					

Throughout the AMP software you will be required to verify that the system being tested is at steady state.

Steady state is critical to testing as it ensures that any readings or calibrations are repeatable.

OT WIRE AND	EMOMETER									
				# Scuttes	Privater Nacias Comments Defici	Memor City City City City City City City City	S CONTRACTOR OF			
		0				0			-0	
		Step 1 System configuration			System	Step 2 configuration			Step 3 Report	
	Project	Name Test Project								
	S	ystem AHU 1								
	Desc	iption							1	
		Type of Terminal Device being tester	d Rectangular			Round				
		Rectangular Dimension	12	In By 12	In 1.00		SQ/FT			
		Number of reading	× 2	y By z						
		Condition of Tes	t NOC (Normal Operating Conc	lition) +						
		Normal Operating Condition	n 🔽 Visual	% 0/A	Actual	₩ R/A		96 M/A	H Exhaust	
		0	prrect For Temperature Compensation				Correct For Barometri	ic Compensation		
/	_ X 1					2				
1	Ft/min					FUrnin				
2	Filmin					Ft/min				
1										Þ
	Total V	elocity 0.00		Avg Velocity	0.00	्त	rue Corrected Average Velocity 0.00		Actual ACFM 0	
	Require	d CFM		AK Factor	1.00		% of Design 0.00			
	Airflow Temperature For Energy Calcula	don	DB* Required							
	Sensible	BTU/H 0.00								
					Undate	Cancel				
					openite	CONC.				
					← Previous Step	Next Step \rightarrow				

Enter Actual Data

Audit Master PRO



