

National TAB

Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-4

AREA:EVENT SPACE

Unit Data	
	Actual
MFG	MITSIBISHI TRANE
Serial Num	53R0329430P914
Model Num	TPEFYP048MA144A
Configuration	HORIZONTAL
Num PreFilter 1	
PreFilter Size 1	
Num PreFilter 2	
PreFilter Size 2	

Motor Data	
	Actual
Motor MFG	MITSUBISHI
Horsepower	0.402
Motor Rpm	
Phase	1
Rated Voltage	208-230
Rated Amperage	3.09A

Test Data		
	Design	Actual
SF CFM	1370	
SF RPM	-	
RA CFM	1045	
OA CFM	325	
Relief CFM	-	
RL Voltage	208/230	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.14/0.2/0.28/0.4/0.6	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
Heating Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Unit Data - PHOTO LOG



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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-4/EVENT SPACE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4-1	709	PD 4W-5	10	275			-
4-2	709	PD 4W-5	10	275			-
4-3	703	PD 4W-3	6	40			-
4-4	708	PD 4W-1	5	40			-
4-5	701	PD 4W-3	6	110			-
4-6	704	PD 4W-1	5	40			-
4-7	706	PD 4W-1	5	40			-
4-8	709	PD 4W-5	10	275			-
4-9	709	PD 4W-5	10	275			-
Total				1370	0	0	0%

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-6

AREA:EVENT SPACE

Unit Data		
	Design	Actual
MFG	MITSIBISHI TRANE	MITSIBISHI TRANE
Serial Num	-	43W037357GEHB4
Model Num	NA	TPEFYP072MH140A
Configuration	-	HORIZONTAL
Num PreFilter 1	-	1
PreFilter Size 1	-	24"x24"x2"

Motor Data		
	Design	Actual
Horsepower	-	870W
Phase	-	1
Rated Voltage	-	208
Rated Amperage	-	7.7

Test Data		
	Design	Actual
SF CFM	2460	2519
RA CFM	2135	
OA CFM	325	
RL Voltage	208/230	212
RL Amperage	-	2.5
SF System SetPt	-	100PA
Brake Horse Power	-	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.2/0.4/1.6/0.8/1.0	

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-6/EVENT SPACE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
6-1	709	PD 4W-5	10	245	246	250	102.0
6-2	709	PD 4W-5	10	245	293	256	104.5
6-3	709	PD 4W-5	10	245	319	250	102.0
6-4	709	PD 4W-5	10	245	236	228	93.1
6-5	709	PD 4W-4	8	200	196	194	97.0
6-6	709	PD 4W-4	10	200	175	185	92.5
6-7	710	CD 1W-1	6	100	105	104	104.0
6-8	709	PD 4W-5	10	245	276	269	109.8
6-9	709	PD 4W-5	10	245	302	264	107.8
6-10	709	PD 4W-5	10	245	367	258	105.3
6-11	709	PD 4W-5	10	245	368	261	106.5
Total				2460	2883	2519	102.4%

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-1.5

AREA:EXERCISE/OFFICE

Unit Data	
	Actual
MFG	MITSUBISHI TRANE
Serial Num	55R0207230P30E
Model Num	TPEFYP018MA145A
Configuration	HORIZONTAL
Num PreFilter 1	2
PreFilter Size 1	14x20x2"

Motor Data	
	Actual
Horsepower	0.162hp
Phase	1
Rated Voltage	208-230
Rated Amperage	2.03A

Test Data		
	Design	Actual
SF CFM	600	632
SF RPM	-	133
RA CFM	490	499
OA CFM	110	
RL Voltage	208/230	213V
RL Amperage	-	0.67A
SF System SetPt	-	35Pa
OA Damper Position	-	MANUAL
Brake Horse Power	-	0.05hp

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.09"
Fan Suction SP	-	
Fan Discharge SP	-	0.10"
Total ESP	0.14/0.2/0.28/0.4/0.6	

Unit Data - PHOTO LOG



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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-1.5/EXERCISE/OFFICE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
15-1	724	PD 4W-5	10	360	388	386	107.2
15-2	728	PD 4W-4	8	150	259	154	102.7
15-3	729	PD 4W-1	6	90	85	92	102.2
Total				600	732	632	105.33%

Diffuser Ret/Exh (GRD)

AHU-1.5/EXERCISE/OFFICE

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R15-1	728	RG-1		150		233	258	172.0
R15-2	729	RG-1		90		166	180	200.0
R15-3	724	RG-1		360		67	61	16.9
Total				600		466	499	83.17%

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-2.5

AREA:PRIMARY RESIDENT

Unit Data	
	Actual
MFG	MITSUBISHI TRANE
Serial Num	55G0287932P804
Model Num	TPVFYP030AM141A
Configuration	VERTICAL
Num PreFilter 1	1
PreFilter Size 1	20x20"

Motor Data	
	Actual
Motor MFG	MITSUBISHI
Horsepower	
Motor Rpm	
Phase	1
Rated Voltage	208-230
Rated Amperage	3.3

Test Data		
	Design	Actual
SF CFM	935	
SF RPM	-	
RA CFM	-	
OA CFM	-	
Relief CFM	-	
RL Voltage	208/230	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.3/0.5/0.8	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Unit Data - PHOTO LOG



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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-2.5/PRIMARY RESIDENT

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
25-1	716	PD 4W-4	8	165			-
25-2	713	SR2W-3C	8X4	115			-
25-3	717	SR2W-2C	5	60			-
25-4	722	SR2W-1C	4	25			-
25-5	716	PD 4W-4	8	165			-
25-6	716	PD 4W-4	8	165			-
25-7	720	PD 4W-4	8	120			-
25-8	720	PD 4W-4	10	120			-
Total				935	0	0	0%

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-3/4

AREA:GUESTROOM

Unit Data	
	Actual
MFG	MITSUBISHI TRANE
Serial Num	55G0287932P804
Model Num	TPEFYP008MS140C
Configuration	HORIZONTAL
Num PreFilter 1	1
PreFilter Size 1	12x25x1"

Motor Data	
	Actual
Phase	1
Rated Voltage	208-230
Rated Amperage	3.3

Test Data		
	Design	Actual
SF CFM	255	245
RA CFM	255	245
OA CFM	0	0
RL Voltage	208/230	212
RL Amperage	-	0.2
SF System SetPt	-	35 PA

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.04"
Fan Discharge SP	-	0.11"
Total ESP	-	0.15"

Completed By: Gabe Merk on 12/18/2025

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-3/4/GUESTROOM

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
34-1	726	PD 4W-3	6	115	86	114	99.1
34-2	726	PD 4W-3	8	115	95	104	90.4
34-3	725	SR 2W-1C	4	25	64	24	96.0
Total				255	245	242	94.9%

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-4V 1

AREA:STORAGE

Unit Data	
	Actual
MFG	MITSUBISHI TRANE
Serial Num	53G0302932P806
Model Num	TPVFYP048AM141A
Configuration	VERTICAL
Num PreFilter 1	1
PreFilter Size 1	24x20"

Motor Data	
	Actual
Motor MFG	MITSUBISHI
Phase	1
Rated Voltage	208-230
Rated Amperage	4.5A

Test Data		
	Design	Actual
SF CFM	1590	1668
RA CFM	1350	
OA CFM	240	
RL Voltage	208/230	210
RL Amperage	-	1.3
SF System SetPt	-	LOW
OA Damper Position	-	MANUAL
Brake Horse Power	-	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.3/0.5/0.8	
Fan Total SP	-	
Pre-Filter P.D.	-	

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-4V 1/STORAGE

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4V-1	C-02	CD 4W-4		120	187	126	105.0
4V-2	743	CD 4W-1	4	30	62	32	106.7
4V-3	C-01	CD 4W-3		95	24	93	97.9
4V-4	742	CD 4W-1	4	30	27	31	103.3
4V-5	731	CD 4W-3	6	50	114	49	98.0
4V-6	C-01	CD 4W-3	6	95	102	87	91.6
4V-7	730	SR-4		350	480	355	101.4
4V-8	C-03	CD 4W-4	8	120	226	174	145.0
4V-9	730	SR-4		350	484	346	98.9
4V-10	730	SR-4		350	389	375	107.1
Total				1590	2095	1668	104.91%

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Project: Archdiocese of Cincinnati (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: AHU-A-1.5

AREA:SECONDARY RESIDENT

Unit Data	
	Actual
MFG	MITSUBISHI TRANE
Serial Num	54G0463432P802
Model Num	TPVFYP018AM141A
Configuration	VERTICAL
Num PreFilter 1	1
PreFilter Size 1	20x16"

Motor Data	
	Actual
Phase	1
Rated Voltage	208-230
Rated Amperage	2.4

Test Data		
	Design	Actual
SF CFM	605	590
RA CFM	-	590
RL Voltage	208/230	213.4V
RL Amperage	-	0.67A
SF System SetPt	-	75Pa

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.07"
Fan Discharge SP	-	0.16"
Total ESP	0.3/0.5/0.8	0.23"

Completed By: Noah Stafford on 12/18/2025

Unit Data - PHOTO LOG



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Project: Archdiocese of Cincinnati (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

AHU-A-1.5/SECONDARY RESIDENT

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A15-1	733	PD 4W-4	8	170	169	170	100.0
A15-2	736	SR2W-2C		75	67	69	92.0
A15-3	737	PD 4W-4	8	170	168	164	96.5
A15-4	738	PD 4W-4	8	165	153	163	98.8
A15-5	740	SR2W-1C		25	37	24	96.0
Total				605	594	590	97.52%