

Report By:

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



Report: Progress Report
Function: Test, Adjust, & Balance
Date: 02/06/2026
Completed By: National TAB

PROJECT

PPD Global Central Labs (Covington, KY)

155 WEST 38TH STREET

Covington, KY 41015

Client

TJ Dyer

National TAB

Project: PPD Global Central Labs (Covington, KY)

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National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-1

AREA:OFFICE

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05563
Model Num	CSAA025UA
Configuration	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	254T
Horsepower	15	15
Motor Rpm	-	1770
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	18.2
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11500	10488
SF RPM (Initial)	-	
SF RPM	1800	
RA CFM	10500	
OA CFM	1000	
Relief CFM	-	
RL Voltage	460	
RL Amperage	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	1.20" DUCT STATIC
OA Damper Position	-	
Brake Horse Power	14.872	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	3	
Fan Total SP	5.379	
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.	-	

Notes:
Not ready 1/12/26

Written By: Aaron Cosby on 01/12/2026

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Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



VAV - Single Duct

AHU-1/OFFICE

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV1-1	NA	NA	SINGLE DUCT	14	1500	1500	580	580	1150	1150	2976.4
VAV1-2	NA	NA	SINGLE DUCT	14	1300	1300	320	320	390	390	3042.2
VAV1-4	NA	NA	SINGLE DUCT	6	150	150	60	60	60	60	609.4
VAV1-5	NA	NA	SINGLE DUCT	8	500	500	105	100	150	150	985.5
VAV1-6	NA	NA	SINGLE DUCT	12	1250	1250	250	250	535	535	2233.90
VAV1-7	NA	NA	SINGLE DUCT	6	470	470	100	100	140	140	552.1
VAV1-8	NA	NA	SINGLE DUCT	8	300	300	105	105	105	105	963.0
VAV1-9	NA	NA	SINGLE DUCT	6	125	125	60	60	60	60	563.4
VAV1-10	NA	NA	SINGLE DUCT	6	150	150	105	105	150	150	549.8
VAV1-11	NA	NA	SINGLE DUCT	8	600	600	170	170	255	255	954.9
VAV1-12	NA	NA	SINGLE DUCT	10	1000	1000	230	230	930	930	1500.6
VAV1-13	NA	NA	SINGLE DUCT	6	275	275	60	60	75	75	525.4
VAV1-14	NA	NA	SINGLE DUCT	8	675	675	135	135	200	200	1005.5
VAV1-15	NA	NA	SINGLE DUCT	6	200	200	60	60	60	60	539.8

VAV-Fan Powered Box

AHU-1/OFFICE

Asset												
Asset Name	MFG	Model Num	Service	Type	Inlet Size	Design Max Cool CFM	Max Cool CFM	Design Min Heat CFM	Min Heat CFM	Design Fan CFM (Heat)	Fan CFM (Heat)	Ak (max)
FPVAV1-3	TRANE	VPWF1000 RN00000D E110EL		FAN-POWERED PARALLEL	10	650		0	0	1000		1228.6

Diffuser Supply (GRD)

FPVAV1-3/

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design	
1-3-1	LOBBY 101	SD-4	12	500	512	512	102.4	
1-3-2	LOBBY 101	SD-4	12	500	516	516	103.2	
Total				1000	1028	1028	102.8%	

VAV1-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1-1	BREAK ROOM 117	SD-3	12	450	462	462	102.7
1-1-2	BREAK ROOM 117	SD-3	12	450	451	451	100.2
1-1-3	BREAK ROOM 117	SD-3	12	455	444	444	97.6
1-1-4	BREAK ROOM 117	SD-3	12	455	456	456	100.2
1-1-5	BREAK ROOM 117	SD-3	12	455	455	455	100.0
Total				2265	2268	2268	100.13%

VAV1-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-2-1	CORR 118	SD-1	14	600	607	607	101.2
1-2-2	CORR 118	SD-1	14	600	601	601	100.2
Total				1200	1208	1208	100.67%

VAV1-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-4-1	HOT DESKS 103	SD-1	8	150	150	150	100.0
Total				150	150	150	100%

VAV1-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-5-1	CONFERENCE 116	SD-1	8	250	252	252	100.8
1-5-2	CONFERENCE 116	SD-1	8	250	254	254	101.6
Total				500	506	506	101.2%

VAV1-6/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-6-1	HOT DESKS 103	SD-1	10	310	322	322	103.9
1-6-2	HOT DESKS 103	SD-1	10	310	312	312	100.6
1-6-3	HOT DESKS 103	SD-1	10	315	309	309	98.1
1-6-4	HOT DESKS 103	SD-1	10	315	331	331	105.1
Total				1250	1274	1274	101.92%

VAV1-7/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-7-1	OFFICE 106	SD-1	8	155	158	158	101.9
1-7-2	OFFICE 105	SD-1	8	155	155	155	100.0
1-7-3	OFFICE 104	SD-1	8	160	162	162	101.3
Total				470	475	475	101.06%

VAV1-8/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-8-1	TOTE 109	SD-1	6	100	105	105	105.0
1-8-2	HALLWAY	SD-1	8	150	156	156	104.0
1-8-3	COPY 108	SD-1	10	300	291	291	97.0
Total				550	552	552	100.36%

VAV1-9/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-9-1	PHONE 110	SD-1	8	125	132	132	105.6
Total				125	132	132	105.6%

VAV1-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-10-1	HUDDLE 107	SD-1	8	150	152	152	101.3
Total				150	152	152	101.33%

VAV1-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-11-1	OFFICE 111	SD-1	8	155	160	160	103.2
1-11-2	OFFICE 112	SD-1	8	155	154	154	99.4
1-11-3	IT 113	SD-1	10	290	287	287	99.0
Total				600	601	601	100.17%

VAV1-12/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-12-1	HOT DESKS 114	SD-1	12	500	505	505	101.0
1-12-2	HOT DESKS 114	SD-1	12	500	491	491	98.2
Total				1000	996	996	99.6%

VAV1-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-13-1	HUDDLE 115	SD-1	8	275	280	280	101.8
Total				275	280	280	101.82%

VAV1-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-14-1	VESTIBULE 123	SD-2	8	230	229	229	99.6
1-14-2	GOWNING 123A	SD-2	8	230	231	231	100.4
1-14-3	GOWNING 123A	SD-2	8	230	228	228	99.1
Total				690	688	688	99.71%

VAV1-15/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-15-1	WELL 119	SD-4	8	200	198	198	99.0
Total				200	198	198	99%

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Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-3

AREA: BIOREPOSITORY

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05570
Model Num	CSAA025UA
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12"X24"X2"
Num PreFilter 2	8
PreFilter Size 2	16"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	10	10
Motor Rpm	-	1180
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14.30
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11000	11338
SF RPM	1200	1416
RA CFM	11000	11338
OA CFM	0	0
RL Voltage	460	429 VFD
RL Amperage	-	11.70 VFD
SF Motor Freq(HZ)	-	72 HZ

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.71"
Fan Discharge SP	-	0.82"
Fan Total SP	4.177	2.53"

Completed By: Aaron Cosby on 02/05/2026

Notes:

- 3x12"X24"X2" pre filter
- 8x20"X20"X4" pre filter

Written By: Aaron Cosby on 01/05/2026

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Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



Diffuser Supply (GRD)

AHU-3/BIOREPOSITORY

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	BIOREPOSITORY	SD-2	14	610	565	639	104.8
3-2	BIOREPOSITORY	SD-2	14	610	570	652	106.9
3-3	BIOREPOSITORY	SD-2	14	610	0	644	105.6
3-4	BIOREPOSITORY	SD-2	14	610	225	638	104.6
3-5	BIOREPOSITORY	SD-2	14	610	392	586	96.1
3-6	BIOREPOSITORY	SD-2	14	610	566	569	93.3
3-7	BIOREPOSITORY	SD-2	14	610	520	612	100.3
3-8	BIOREPOSITORY	SD-2	14	610	592	622	102.0
3-9	BIOREPOSITORY	SD-2	14	610	296	643	105.4
3-10	BIOREPOSITORY	SD-2	14	610	516	621	101.8
3-11	BIOREPOSITORY	SD-2	14	610	608	636	104.3
3-12	BIOREPOSITORY	SD-2	14	610	654	665	109.0
3-13	BIOREPOSITORY	SD-2	14	610	470	629	103.1
3-14	BIOREPOSITORY	SD-2	14	610	705	618	101.3
3-15	BIOREPOSITORY	SD-2	14	610	676	644	105.6
3-16	BIOREPOSITORY	SD-2	14	610	668	654	107.2
3-17	BIOREPOSITORY	SD-2	14	610	674	623	102.1
3-18	BIOREPOSITORYBIOREPOSITORY	SD-2	14	610	760	643	105.4
Total				10980	9457	11338	103.26%

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Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-4

AREA: BIOREPOSITORY

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05576
Model Num	CSAA025UA
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12"X24"X2"
Num PreFilter 2	8
PreFilter Size 2	16"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	10	10
Motor Rpm	-	1180
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14.30
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11000	11448
SF RPM	1200	1435
RL Voltage	460	438 VFD
RL Amperage	-	13.6 VFD
SF Motor Freq(HZ)	-	73

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.84"
Fan Discharge SP	-	0.83"
Fan Total SP	4.177	2.67"

Completed By: Aaron Cosby on 02/05/2026

Notes:

- 3x12"X24"X2" pre filter
- 8x20"X20"X4" pre filter

Written By: Aaron Cosby on 01/05/2026

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Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



Diffuser Supply (GRD)

AHU-4/BIOREPOSITORY

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4-1	BIOREPOSITORY	SD-2	14	685	432	698	101.9
4-2	BIOREPOSITORY	SD-2	14	685	502	677	98.8
4-3	BIOREPOSITORY	SD-2	14	610	241	652	106.9
4-4	BIOREPOSITORY	SD-2	14	610	544	645	105.7
4-5	BIOREPOSITORY	SD-2	14	685	697	723	105.5
4-6	BIOREPOSITORY	SD-2	14	610	547	643	105.4
4-7	BIOREPOSITORY	SD-2	14	610	574	624	102.3
4-8	BIOREPOSITORY	SD-2	14	685	595	685	100.0
4-9	BIOREPOSITORY	SD-2	14	610	569	655	107.4
4-10	BIOREPOSITORY	SD-2	14	685	566	712	103.9
4-11	BIOREPOSITORY	SD-2	14	610	638	659	108.0
4-12	BIOREPOSITORY	SD-2	14	685	624	697	101.8
4-13	BIOREPOSITORY	SD-2	14	610	640	644	105.6
4-14	BIOREPOSITORY	SD-2	14	685	674	695	101.5
4-15	BIOREPOSITORY	SD-2	14	610	681	666	109.2
4-16	BIOREPOSITORY	SD-2	14	685	659	722	105.4
4-17	BIOREPOSITORY	SD-2	14	610	565	651	106.7
Total				10970	9748	11448	104.36%

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Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-5

AREA: BIOREPOSITORY

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05582
Model Num	CSAA025UA
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12"X24"X2"
Num PreFilter 2	8
PreFilter Size 2	16"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	10	10
Motor Rpm	-	1180
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14.3
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11000	10953
SF RPM	1200	2055 VFD
RL Voltage	460	469 VFD
RL Amperage	-	10.36 VFD
SF Motor Freq(HZ)	-	68.5 HZ

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.61"
Fan Discharge SP	-	0.76"
Fan Total SP	4.177	2.37"

Completed By: Aaron Cosby on 02/05/2026

Notes:

3x12"X24"X2" pre filter

8x20"X20"X4" pre filter

Bad disconnect 1/12/26

Written By: Aaron Cosby on 01/12/2026

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Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



Diffuser Supply (GRD)

AHU-5/BIOREPOSITORY

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
5-1	BIOREPOSITORY	SD-2	14	685		687	100.3
5-2	BIOREPOSITORY	SD-2	14	685	35	655	95.6
5-3	BIOREPOSITORY	SD-2	14	685	154	723	105.5
5-4	BIOREPOSITORY	SD-2	14	685	806	652	95.2
5-5	BIOREPOSITORY	SD-2	14	685	762	691	100.9
5-6	BIOREPOSITORY	SD-2	14	685	753	705	102.9
5-7	BIOREPOSITORY	SD-2	14	685	779	722	105.4
5-8	BIOREPOSITORY	SD-2	14	685	805	677	98.8
5-9	BIOREPOSITORY	SD-2	14	685	783	670	97.8
5-10	BIOREPOSITORY	SD-2	14	685	690	702	102.5
5-11	BIOREPOSITORY	SD-2	14	685	621	712	103.9
5-12	BIOREPOSITORY	SD-2	14	685	700	732	106.9
5-13	BIOREPOSITORY	SD-2	14	685	644	707	103.2
5-14	BIOREPOSITORY	SD-2	14	685	717	634	92.6
5-15	BIOREPOSITORY	SD-2	14	685	763	635	92.7
5-16	BIOREPOSITORY	SD-2	14	685	904	649	94.7
Total				10960	9916	10953	99.94%

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Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-6

AREA: BIOREPOSITORY

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05588
Model Num	CSAA025UA
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12"X24"X2"
Num PreFilter 2	8
PreFilter Size 2	16"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	10	10
Motor Rpm	-	1180
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14.3
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11000	11334
SF RPM	1200	1376
RL Voltage	460	411 VFD
RL Amperage	-	12.01 VFD
SF Motor Freq(HZ)	-	70

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.58"
Fan Discharge SP	-	0.79"
Fan Total SP	4.177	2.37"

Completed By: Aaron Cosby on 02/05/2026

Notes:

3x12"X24"X2" pre filter

8x20"X20"X4" pre filter

Written By: Aaron Cosby on 01/05/2026

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Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



Diffuser Supply (GRD)

AHU-6/BIOREPOSITORY

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
6-1	BIOREPOSITORY	SD-2	14	685	218	700	102.2
6-2	BIOREPOSITORY	SD-2	14	685	818	722	105.4
6-3	BIOREPOSITORY	SD-2	14	685	640	698	101.9
6-4	BIOREPOSITORY	SD-2	14	685	702	734	107.2
6-5	BIOREPOSITORY	SD-2	14	685	417	703	102.6
6-6	BIOREPOSITORY	SD-2	14	685	520	712	103.9
6-7	BIOREPOSITORY	SD-2	14	685	679	688	100.4
6-8	BIOREPOSITORY	SD-2	14	685	771	699	102.0
6-9	BIOREPOSITORY	SD-2	14	685	500	732	106.9
6-10	BIOREPOSITORY	SD-2	14	685	694	743	108.5
6-11	BIOREPOSITORY	SD-2	14	685	763	750	109.5
6-12	BIOREPOSITORY	SD-2	14	685	546	701	102.3
6-13	BIOREPOSITORY	SD-2	14	685	729	667	97.4
6-14	BIOREPOSITORY	SD-2	14	685	926	706	103.1
6-15	BIOREPOSITORY	SD-2	14	685	770	705	102.9
6-16	BIOREPOSITORY	SD-2	14	685	809	674	98.4
Total				10960	10502	11334	103.41%

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Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-7

AREA: BIOREPOSITORY

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05594
Model Num	CSAA025UA
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12"X24"X2"
Num PreFilter 2	8
PreFilter Size 2	16"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	10	10
Motor Rpm	-	1180
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14.3
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11000	11249
SF RPM	1200	1435
RL Voltage	460	476 VFD
RL Amperage	-	11.51 VFD
SF Motor Freq(HZ)	-	73

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.77"
Fan Discharge SP	-	0.88"
Fan Total SP	4.177	2.65"

Completed By: Aaron Cosby on 02/05/2026

Notes:

3x12"X24"X2" pre filter

8x20"X20"X4" pre filter

Written By: Aaron Cosby on 01/05/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



Diffuser Supply (GRD)

AHU-7/BIOREPOSITORY

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
7-1	BIOREPOSITORY	SD-2	14	685	510	667	97.4
7-2	BIOREPOSITORY	SD-2	14	685	707	698	101.9
7-3	BIOREPOSITORY	SD-2	14	685	517	708	103.4
7-4	BIOREPOSITORY	SD-2	14	685	646	712	103.9
7-5	BIOREPOSITORY	SD-2	14	685	629	744	108.6
7-6	BIOREPOSITORY	SD-2	14	685	546	678	99.0
7-7	BIOREPOSITORY	SD-2	14	685	706	701	102.3
7-8	BIOREPOSITORY	SD-2	14	685	734	714	104.2
7-9	BIOREPOSITORY	SD-2	14	685	629	689	100.6
7-10	BIOREPOSITORY	SD-2	14	685	663	734	107.2
7-11	BIOREPOSITORY	SD-2	14	685	703	705	102.9
7-12	BIOREPOSITORY	SD-2	14	685	670	686	100.1
7-13	BIOREPOSITORY	SD-2	14	685	711	689	100.6
7-14	BIOREPOSITORY	SD-2	14	685	773	693	101.2
7-15	BIOREPOSITORY	SD-2	14	685	741	705	102.9
7-16	BIOREPOSITORY	SD-2	14	685	759	726	106.0
Total				10960	10644	11249	102.64%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU/RTU



Asset: AHU-8

AREA: BIOREPOSITORY

Unit Data	
	Actual
MFG	TRANE
Serial Num	H25A05600
Model Num	CSAA025UA
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12"X24"X2"
Num PreFilter 2	8
PreFilter Size 2	16"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	256T
Horsepower	10	10
Motor Rpm	-	1180
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	14.3
Service Factor	-	1.15

Test Data		
	Design	Actual
SF CFM	11000	10668
SF RPM	1200	1435
RL Voltage	460	475 VFD
RL Amperage	-	11.48 VFD
SF Motor Freq(HZ)	-	73

Performance Data		
	Design	Actual
Fan Suction SP	-	-1.86"
Fan Discharge SP	-	0.71"
Fan Total SP	4.177	2.57"

Completed By: Aaron Cosby on 02/05/2026

Notes:

- 3x12"X24"X2" pre filter
- 8x20"X20"X4" pre filter

Written By: Aaron Cosby on 01/12/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

AHU/RTU



Diffuser Supply (GRD)

AHU-8/BIOREPOSITORY

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
8-1	BIOREPOSITORY	SD-2	14	685	461	743	108.5
8-2	BIOREPOSITORY	SD-2	14	685	490	712	103.9
8-3	BIOREPOSITORY	SD-2	14	685	135	711	103.8
8-4	BIOREPOSITORY	SD-2	14	685	703	679	99.1
8-5	BIOREPOSITORY	SD-2	14	685	724	720	105.1
8-6	BIOREPOSITORY	SD-2	14	685	355	699	102.0
8-7	BIOREPOSITORY	SD-2	14	685	762	681	99.4
8-8	BIOREPOSITORY	SD-2	14	685	633	703	102.6
8-9	BIOREPOSITORY	SD-2	14	685	754	714	104.2
8-10	BIOREPOSITORY	SD-2	14	685	753	710	103.6
8-11	BIOREPOSITORY	SD-2	14	685	771	690	100.7
8-12	BIOREPOSITORY	SD-2	14	685	779	694	101.3
8-13	BIOREPOSITORY	SD-2	14	685	773	729	106.4
8-14	BIOREPOSITORY	SD-2	14	685	868	751	109.6
8-15	BIOREPOSITORY	SD-2	14	685	811	732	106.9
Total				10275	9772	10668	103.82%



National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: AHU-DUAL FAN

Asset: AHU(DF)-2

AREA:MECH/PLUMBING 144

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	TRANE
Model Number	NA	CAH126/126X198E
Serial Number	-	30200
No. Pre-Filters / Size (1)	-	35/24"X24"X2"
No. Pre-Filters / Size (2)	-	5/12"X24"X2"
No. Pre-Filters / Size (3)	-	35/22"X22"X12"
No. Final Filters / Size (1)	-	24/22"X40"X1"

MOTOR DATA - SUPPLY	
	Actual
Motor MFG / Frame	
Horsepower / RPM	20/1775
Rated Volts / Phase	460/3
Rated Amperage / SF	24/NA

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

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	72000	74692
Fan RPM	1841	
VFD Speed	-	62.3 HZ
RL Voltage	460	
RL Amperage	-	18.6
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	1.9"
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	6.28	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	2.5	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	CLIMATECRAFT, INC.
Model Number	-	24MTX100
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	

MOTOR DATA - EXHAUST/RETURN	
	Actual
Motor MFG / FRAME	BALDOR/254T
Horsepower / RPM	15/1765
Rated Volts / Phase	460/3
Rated Amperage / SF	18.10/1.00

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

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	75615	
Relief CFM	-	
Fan RPM	1845	
VFD Speed	-	
RL Voltage	460	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.61	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	2	

Notes:
 6 supply motors
 6 Return fans
 5x10"X22"X12" supply pre filters

National TAB

Flow Station Testing

	AHU Speed	Damper Position	Device Airflow Reading (CFM)	Measured Airflow Reading (CFM)	Complete (Y/N)
SACD-1	70%	100%	7300	8400	YES
SACD-2	70%	100%	8350	8750	YES
SACD-3	70%	100%	8260	7920	YES
SACD-4	70%	100%	8000	8800	YES
SACD-5	70%	100%	9700	8850	YES
SACD-6	70%	100%	10000	8916	YES
SACD-7	70%	100%	3850	4000	YES
SACD-8	70%	100%	6880	8080	YES
SACD-9	70%	100%	5120	5870	YES
GECD-1-1	63%	100%	780	808	YES
GECD-1-2	63%	100%	818	982	YES
GECD-1-3	63%	100%	1610	1506	YES
GECD-1-4	63%	100%	652	660	YES
GECD-2-1	63%	100%	1485	1367	YES
GECD-2-2	63%	100%	714	709	YES
GECD-2-3	63%	100%	1120	1095	YES
GECD-2-4	63%	100%	670	698	YES
GECD-3-1	63%	100%	987	922	YES
GECD-3-2	63%	100%	719	733	YES
GECD-3-3	63%	100%	716	714	YES
GECD-3-4	63%	100%	1552	1468	YES
GECD-4-1	63%	100%	970	882	YES
GECD-4-2	63%	100%	765	651	YES
GECD-4-3	63%	100%	1689	938	YES
GECD-4-4	63%	100%	985	1023	YES
GECD-4-5	63%	100%	550	553	YES
GECD-4-6	63%	100%	1061	778	YES
GECD-5-1	63%	100%	1013	1046	YES
GECD-5-2	63%	100%	985	1030	YES
GECD-5-3	63%	100%	1588	1520	YES
GECD-5-4	63%	100%	620	679	YES
GECD-5-5	63%	100%	850	986	YES
GECD-6-1	63%	100%	1072	1066	YES
GECD-6-2	63%	100%	881	881	YES
GECD-6-3	63%	100%	1062	618	YES
GECD-6-4	63%	100%	802	831	YES
GECD-7	63%	100%	2960	3460	YES
GECD-8	63%	100%	7050	7200	YES
GECD-9	63%	100%	3310	3170	YES
LECD-1-1	63%	100%	452	439	YES
LECD-1-2	63%	100%	770	834	YES
LECD-1-3	63%	100%	800	855	YES
LECD-2-1	63%	100%	798	826	YES
LECD-2-2	63%	100%	823	828	YES
LECD-2-3	63%	100%	475	504	YES
LECD-2-4	63%	100%	460	560	YES
LECD-3-1	63%	100%	507	524	YES
LECD-3-2	63%	100%	553	531	YES
LECD-3-3	63%	100%	890	998	YES
LECD-4-1	63%	100%	990	1085	YES
LECD-4-2	63%	100%	436	1881	YES
LECD-5-1	63%	100%	572	589	YES
LECD-5-2	63%	100%	624	643	YES
LECD-5-3	63%	100%	970	1017	YES
LECD-5-4	63%	100%	1440	1129	YES
LECD-6-1	63%	100%	1009	1785	YES
LECD-6-2	63%	100%	1067	3301	YES
LECD-6-3	63%	100%	503	946	YES
LECD-6-4	63%	100%	601	701	YES

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-1

AREA:VENDOR VEST

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	BCHE036GBA0A 3FC4A000000B0AJ00J0000 A
Serial Num	-	R25B02806
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	2.5

Test Data		
	Design	Actual
SFAN CFM	1400	1392
Motor Speed SetPt	-	90%
RL Voltage	460	NA
RL Amperage	-	0.5

Performance Data		
	Design	Actual
Suction ESP	-	-0.04"
Discharge ESP	-	0.01"
Total ESP	1	0.05"

Completed By: Aaron Cosby on 01/15/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-1/VENDOR VEST

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F1-1	VENDOR 135	SD-2	10	350	426	345	98.6
F1-2	VENDOR 135	SD-2	10	350	418	352	100.6
F1-3	VENDOR 135	SD-2	10	350	191	361	103.1
F1-4	VENDOR 135	SD-2	10	350	339	334	95.4
Total				1400	1374	1392	99.43%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-2

AREA:WASTE VEST

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	BCHE036GBA0A3FC4A0000 00B0AJ00J0000A
Serial Num	-	R2B02807
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	2.5

Test Data		
	Design	Actual
SFAN CFM	1000	1008
Motor Speed SetPt	-	71%
RL Voltage	460	NA
RL Amperage	-	0.5

Performance Data		
	Design	Actual
Suction ESP	-	-0.06"
Discharge ESP	-	0.21"
Total ESP	1	0.27"

Completed By: Aaron Cosby on 01/15/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-2/WASTE VEST

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F2-1	WASTE 136	SD-2	8	250	326	262	104.8
F2-2	WASTE 136	SD-2	8	250	317	243	97.2
F2-3	WASTE 136	SD-2	8	250	211	252	100.8
F2-4	WASTE 136	SD-2	8	250	186	251	100.4
Total				1000	1040	1008	100.8%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-3

AREA:RECEIVING VEST

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	BCHE090GBA0A3FC5A0000 00B0AJ00J0000A
Serial Num	-	R25B02808
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	3.3

Test Data		
	Design	Actual
SFAN CFM	2200	2198
Motor Speed SetPt	-	78%
RL Voltage	460	NA
RL Amperage	-	0.5

Performance Data		
	Design	Actual
Suction ESP	-	NA
Discharge ESP	-	0.35"
Total ESP	1	NA

Completed By: Aaron Cosby on 01/15/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-3/RECEIVING VEST

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	RECEIVING 137	SD-2	10	370		336	90.8
3-2	RECEIVING 137	SD-2	10	370		365	98.6
3-3	RECEIVING 137	SD-2	10	365		378	103.6
3-4	RECEIVING 137	SD-2	10	365		377	103.3
3-5	RECEIVING 137	SD-2	10	365		352	96.4
3-6	RECEIVING 137	SD-2	10	365		390	106.8
Total				2200	0	2198	99.91%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-4

AREA:SHIPPING VEST

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	BCHE090GBA0A3FC5A0000 00B0AJ00J0000A
Serial Num	-	R25B02809
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Horsepower	-	1.5
Motor Rpm	-	962
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	3.3

Test Data		
	Design	Actual
SFAN CFM	1800	
SFAN RPM	962	
Motor Speed SetPt	-	
RL Voltage	460	
RL Amperage	-	
RA CFM	1800	
OA CFM	0	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	1	

Notes:

Board receiving speed command but not changing speed. Locked at max speed 1/16/25. Proportionally balanced for now

Written By: Aaron Cosby on 01/16/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-4/SHIPPING VEST

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F4-1	SHIPPING 138	SD-2	10	300	454		-
F4-2	SHIPPING 138	SD-2	10	300	474		-
F4-3	SHIPPING 138	SD-2	10	300	466		-
F4-4	SHIPPING 138	SD-2	10	300	452		-
F4-5	SHIPPING 138	SD-2	10	300	467		-
F4-6	SHIPPING 138	SD-2	10	300	482		-
Total				1800	2795	0	0%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-5

AREA:TR 139

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	FCCB1001CAYF0A00BJ4M0 000D1000H 000B
Serial Num	-	H25B12557
Type	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	3.3

Test Data		
	Design	Actual
SFAN CFM	1000	1053
Motor Speed SetPt	-	50%
RL Voltage	460	INACCESSIBLE
RL Amperage	-	INACCESSIBLE

Performance Data		
	Design	Actual
Suction ESP	-	-0.012"
Discharge ESP	-	0.020"
Total ESP	0.5	0.032"

Completed By: Corey Dick on 02/05/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-5/TR 139

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F5-1	TR 139	SD-2	12	500	661	548	109.6
F5-2	TR 139	SD-2	12	500	610	505	101.0
Total				1000	1271	1053	105.3%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-6

AREA:MECHANICAL

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	BCHE090GBA0A3FC5A0000 00B0AJ00J0000A
Serial Num	-	INACCESSIBLE
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	NA

Test Data		
	Design	Actual
SFAN CFM	2750	2666
Motor Speed SetPt	-	100%
RL Voltage	460	NA
RL Amperage	-	NA

Performance Data		
	Design	Actual
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	1	NA

Completed By: Aaron Cosby on 01/15/2026

Notes:

Unit inaccessible with lift and ladder

Written By: Aaron Cosby on 01/15/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-6/MECHANICAL

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F6-1	MECH/PLUMBING 144	SR-1	16X10	750	511	657	87.6
F6-2	MECH/PLUMBING 144	SR-1	16X10	750	522	682	90.9
F6-3	MECH/PLUMBING 144	SR-1	16X10	750	504	668	89.1
F6-4	MECH/PLUMBING 144	SR-1	16X10	750	519	659	87.9
Total				3000	2056	2666	88.87%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-7

AREA:ELEC

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	BCHE120GBA0A3FC5A0000 00B0AJ00J0000A
Serial Num	-	R25802005
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	3.3

Test Data		
	Design	Actual
SFAN CFM	2000	2084
Motor Speed SetPt	-	60%
RL Voltage	460	INACCESSIBLE
RL Amperage	-	0.8

Performance Data		
	Design	Actual
Suction ESP	-	-0.29"
Discharge ESP	-	0.24"
Total ESP	1	0.53"

Completed By: Aaron Cosby on 01/16/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-7/ELEC

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F7-1	ELEC 140	SR-1	16X10	500		514	102.8
F7-2	ELEC 140	SR-1	16X10	500		522	104.4
F7-3	ELEC 140	SR-1	16X10	500		513	102.6
F7-4	ELEC 140	SR-1	16X10	500		535	107.0
Total				2000	0	2084	104.2%

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-8

AREA:BRANCH ELEC

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	FCDB1001CAYD0B10AJ4M0 000D1000H 000B
Serial Num	-	INACCESSIBLE
Type	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
SFAN CFM	800	821
Motor Speed SetPt	-	62%
RL Voltage	460	INACCESSIBLE
RL Amperage	-	INACCESSIBLE

Motor Data		
	Design	Actual
Phase	3	1
Voltage (rated)	460	120
Amperage (rated)	-	3.1

Completed By: Corey Dick on 02/05/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

System/Unit: Fan Coil



Asset: FCU-9

AREA:TR

Unit Data		
	Design	Actual
MFG	NA	TRANE
Model Num	NA	FCCB1001CAYF0A00BJ4M0 000D1000H 000B
Serial Num	-	H25B12559
Type	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	NA
Filter Size 1	-	NA

Motor Data		
	Design	Actual
Phase	3	3
Voltage (rated)	460	460
Amperage (rated)	-	NL

Test Data		
	Design	Actual
SFAN CFM	1000	1039
Motor Speed SetPt	-	60%
RL Voltage	460	NA
RL Amperage	-	NA

Performance Data		
	Design	Actual
Suction ESP	-	0.11"
Discharge ESP	-	-0.03"
Total ESP	0.5	0.14"

Completed By: Aaron Cosby on 01/15/2026

National TAB

Project: PPD Global Central Labs (Covington, KY)

Fan Coil



Diffuser Supply (GRD)

FCU-9/TR

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
F9-1	TR 129A	SD-1	12	500	667	527	105.4
F9-2	TR 129A	SD-1	12	500	632	512	102.4
Total				1000	1299	1039	103.9%