

National TAB

Project: JP Morgan Chase (Pittsboro,NC)

System/Unit: Heat Pump



Asset: DOAS-1

AREA:

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARND093DCR4
Serial Num	-	503UCSF00214
Type	-	DOAS
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	25X20X2

Test Data		
	Design	Actual
SA CFM	645	686
Motor Speed Setpt	-	47%
RL Voltage	208	213
RL Amperage	-	1.04
OA CFM	645	686

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.067"
Discharge ESP	-	0.090"
Total ESP	-	0.157"

Completed By: Jearod Ferrette on 11/24/2025

National TAB

Project:JP Morgan Chase (Pittsboro,NC)

Heat Pump



Diffuser Supply (GRD)

DOAS-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
D1-1	HP-2	DUCT	6	45	63	47	104.4
D1-2	HP-3	DUCT	6	25	77	23	92.0
D1-3	HP-1	DUCT	6	45	89	47	104.4
D1-4	102	K	8	145	278	155	106.9
D1-5	HP-4	DUCT	6	70	90	76	108.6
D1-6	HP-5	DUCT	8	160	301	173	108.1
D1-7	HP-6	DUCT	6	60	95	65	108.3
D1-8	HP-7	DUCT	6	95	120	100	105.3
Total				645	1113	686	106.36%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: AH-1

AREA:100

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	KNUJB121A
Serial Num	-	501HAUJ5E558
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	(1)16X16X2/ (1) 16X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Test Data		
	Design	Actual
SA CFM	370	377
Motor Speed Setpt	-	HIGH
RL Voltage	208	213
RL Amperage	-	0.63
RA CFM	370	377

Performance Data		
	Design	Actual
Suction ESP	-	-0.032"
Discharge ESP	-	0.022"
Total ESP	-	0.054"

Completed By: Jearod Ferrette on 11/20/2025

National TAB

Project:JP Morgan Chase (Pittsboro,NC)

Heat Pump



Diffuser Supply (GRD)

AH-1/100

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
A1-1	100	K	8	185			-
A1-2	100	K	8	185			-
Total				370	0	0	0%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-1

AREA:108

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU183MAA4
Serial Num	-	503HAFM03387
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

Test Data		
	Design	Actual
SA CFM	600	587
Motor Speed Setpt	-	HIGH
RL Voltage	208	213
RL Amperage	-	0.56
RA CFM	555	540
OA CFM	45	47

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.015"
Discharge ESP	-	0.32"
Total ESP	-	0.335"

Completed By: Jearod Ferrette on 11/19/2025

National TAB

Project:JP Morgan Chase (Pittsboro,NC)

Heat Pump



Diffuser Supply (GRD)

HP-1/108

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H1-1	108	L	8	300	115	289	96.3
H1-2	108	L	8	300	120	298	99.3
Total				600	235	587	97.83%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-2

AREA:105

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU243MAA4
Serial Num	-	502HAZX53141
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

Test Data		
	Design	Actual
SA CFM	810	749
Motor Speed Setpt	-	HIGH
RL Voltage	208	213
RL Amperage	-	0.91
RA CFM	765	702
OA CFM	45	47

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.09"
Discharge ESP	-	0.11"
Total ESP	-	0.20"

Completed By: Jearod Ferrette on 11/19/2025

Notes:

CABLE DAMPERS 2-3 AND 2-4 ARE INACCESSIBLE FROM THE HARD CEILING. MECHANICAL WASN'T TO ADJUST THE CABLE ANYMORE. UNIT IS SET TO TOTAL FLOW.

Written By: Jearod Ferrette on 11/19/2025

National TAB
 Project:JP Morgan Chase (Pittsboro,NC)
Heat Pump



Diffuser Supply (GRD)

HP-2/105

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H2-1	104	G	10	410	170	206	50.2
H2-2	105	N	8	100	145	109	109.0
H2-3	105	N	8	100	134	114	114.0
H2-4	105	N	8	100	170	229	229.0
H2-5	105	N	8	100	136	91	91.0
Total				810	755	749	92.47%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-3

AREA:103

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU093MAA4
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

Test Data		
	Design	Actual
SA CFM	315	321
Motor Speed Setpt	-	HIGH
RL Voltage	208	214
RL Amperage	-	0.35
RA CFM	290	298
OA CFM	25	23

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.15"
Discharge ESP	-	0.11"
Total ESP	-	0.26"

Completed By: Jearod Ferrette on 11/19/2025

National TAB

Project:JP Morgan Chase (Pittsboro,NC)

Heat Pump



Diffuser Supply (GRD)

HP-3/103

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H3-1	103	G	10	315	321	321	101.9
Total				315	321	321	101.9%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-4

AREA:119

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU183MAA4
Serial Num	-	503HABZ03389
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

Test Data		
	Design	Actual
SA CFM	600	587
Motor Speed Setpt	-	HIGH
RL Voltage	208	214
RL Amperage	-	0.60
RA CFM	530	514
OA CFM	70	76

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.048"
Discharge ESP	-	0.120"
Total ESP	-	0.168"

Completed By: Jearod Ferrette on 11/24/2025

National TAB
 Project:JP Morgan Chase (Pittsboro,NC)
Heat Pump



Diffuser Supply (GRD)

HP-4/119

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H4-1	119	B	8	185	132	173	93.5
H4-2	118	J	8	85	134	90	105.9
H4-3	119	B	8	185	121	174	94.1
H4-4	118	J	8	85	120	92	108.2
H4-5	120	A	6	60	72	58	96.7
Total				600	579	587	97.83%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-5

AREA:102

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU363M2A4
Serial Num	-	503KIAW01560
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	9.6875X23.9375X0.1875

Test Data		
	Design	Actual
SA CFM	1130	1149
Motor Speed Setpt	-	HIGH
RL Voltage	208	213
RL Amperage	-	0.73
RA CFM	970	981
OA CFM	160	173

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.041
Discharge ESP	-	0.20"
Total ESP	-	0.241"

Completed By: Jearod Ferrette on 11/20/2025

National TAB
 Project:JP Morgan Chase (Pittsboro,NC)
Heat Pump



Diffuser Supply (GRD)

HP-5/102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H5-1	102	K	8	140	180	150	107.1
H5-2	102	K	8	250	130	230	92.0
H5-3	102	K	8	250	30	261	104.4
H5-4	102	K	8	240	390	238	99.2
H5-5	110	K	8	250	411	270	108.0
Total				1130	1141	1149	101.68%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-6

AREA:112

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU243MAA4
Serial Num	-	502HASP53142
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

Test Data		
	Design	Actual
SA CFM	740	717
Motor Speed Setpt	-	HIGH
RL Voltage	208	213
RL Amperage	-	0.69
RA CFM	680	655
OA CFM	60	65

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.081"
Discharge ESP	-	0.100"
Total ESP	-	0.181"

Completed By: Jearod Ferrette on 11/24/2025

National TAB
 Project:JP Morgan Chase (Pittsboro,NC)
Heat Pump



Diffuser Supply (GRD)

HP-6/112

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H6-1	112	C	10	290	258	274	94.5
H6-2	111	G	10	225	291	213	94.7
H6-3	109	G	10	225	160	230	102.2
Total				740	709	717	96.89%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: Heat Pump



Asset: HP-7

AREA:116

Unit Data		
	Design	Actual
Unit MFG	LG	LG
Model Num	NA	ARNU243MAA4
Serial Num	-	502HALW53144
Type	-	HEAT PUMP
Configuration	-	HORIZONTAL
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

Test Data		
	Design	Actual
SA CFM	810	786
Motor Speed Setpt	-	HIGH
RL Voltage	208	213
RL Amperage	-	.56
RA CFM	715	686
OA CFM	95	100

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	-	1
Voltage	-	208
Amperage	-	NL
Service Factor	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.064"
Discharge ESP	-	0.165"
Total ESP	-	0.229"

Completed By: Alex Bauer on 11/24/2025

National TAB

Project:JP Morgan Chase (Pittsboro,NC)

Heat Pump



Diffuser Supply (GRD)

HP-7/116

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
H7-1	116	B	8	190	145	187	98.4
H7-2	116	B	8	190	135	175	92.1
H7-3	121	B	8	190	137	186	97.9
H7-4	116	B	8	105	94	100	95.2
H7-5	113	A	6	60	56	61	101.7
H7-6	114	A	6	30	67	32	106.7
H7-7	115	A	6	45	37	45	100.0
Total				810	671	786	97.04%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: FAN - Exhaust



Asset: EF-1

AREA:BUILDING EXHAUST

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	301461
Type	-	UPBLAST

Test Data		
	Design	Actual
CFM	350	578
System SetPt	-	HIGH
RL Voltage	120	120
RL Amperage	-	1.29
Suction ESP	-	-0.21"
Discharge ESP	-	ATM
Total ESP	-	0.21"

Motor Data		
	Design	Actual
Motor MFG	-	McMillan electric
Frame	-	NA
Horsepower	-	0.06
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	1.2
Service Factor	-	1

Completed By: Alex Bauer on 11/24/2025

Notes:
EF1 no speed controller installed. Electrician did not have one in supply.

Written By: Alex Bauer on 11/24/2025

National TAB

Project:JP Morgan Chase (Pittsboro,NC)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-1/BUILDING EXHAUST

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
E1-1	115	B	8	75	1	150	162	216.0
E1-2	114	B	8	75	1	119	163	217.3
E1-3	116	B	8	150	1	200	199	132.7
E1-4	116A	C	6	50	0.18	54	54	108.0
Total				350		523	578	165.14%

National TAB

Project: JP Morgan Chase (Pittsboro,NC)
System/Unit: FAN - Exhaust



Asset: EF-2

AREA:DATA ROOM

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	27553932
Type	-	CEILING

Test Data		
	Design	Actual
CFM	500	407
System SetPt	-	HIGH
RL Voltage	120	120
RL Amperage	-	3.42
Suction ESP	-	-0.16"
Total ESP	-	0.16"

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	224W
Motor Rpm	-	1049
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	NL
Service Factor	-	NL

Completed By: Alex Bauer on 11/24/2025

Notes:
EF2 no speed controller installed. The fan is controlled using a thermostat dial set at one speed.

Written By: Alex Bauer on 11/24/2025