

Report By:

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105 Stone Village Drive
Fort Mill, SC 29708



Report: Prelim

Function: Test, Adjust, & Balance

Date: 11/12/2025

Completed By: National TAB

PROJECT

JP Morgan Chase (Pittsboro,NC)

52 Harper Lane

Pittsboro, NC 27512

Client

Arnold Service Co.

820 Person St.

Fayetteville, NC 28301

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Project: JP Morgan Chase (Pittsboro,NC)

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National TAB

Project: JP Morgan Chase (Pittsboro, NC)

System/Unit: AHU/RTU



Asset: DOAS-1

AREA:104 - PCS 2

Unit Data		
	Design	Actual
MFG	LG	LG
Serial Num	-	
Model Num	NA	ARND093DCR4
Configuration	-	
Num PreFilter 1	-	2
PreFilter Size 1	-	25X20X2
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1@ 1.0	
Motor Rpm	-	
Phase	1	
Rated Voltage	208	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	645	
SF RPM	1085	
RA CFM	0	
OA CFM	645	
Relief CFM	-	
RL Voltage	208	
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	1.0	
Fan Total SP	1.1	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling 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)	-	

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Project:JP Morgan Chase (Pittsboro,NC)

AHU/RTU



Diffuser Supply (GRD)

DOAS-1/104 - PCS 2

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
D1-1	HP-2	DUCT	6	45			-
D1-2	HP-3	DUCT	6	25			-
D1-3	HP-1	DUCT	6	45			-
D1-4	102	K	8	145			-
D1-5	HP-4	DUCT	6	70			-
D1-6	HP-5	DUCT	8	160			-
D1-7	HP-6	DUCT	6	60			-
D1-8	HP-7	DUCT	6	95			-
Total				645	0	0	0%

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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	-	
Type	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.25	
Motor Rpm	1300	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	350	
Motor Frequency	-	
System SetPt	-	
RL Voltage	120	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.5	
Brake Horse Power	-	

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 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				-
E1-2	114	B	8	75				-
E1-3	116	B	8	150				-
E1-4	116A	C	6	50				-
Total				350		0	0	0%

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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	-	
Type	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	224W	
Motor Rpm	1050	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	500	
Motor Frequency	-	
System SetPt	-	
RL Voltage	120	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.1	
Brake Horse Power	-	

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	
Filter Size 1	-	

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

Test Data		
	Design	Actual
SA CFM	370	
SFAN RPM	-	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	370	
OA CFM	0	

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

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%

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

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

Test Data		
	Design	Actual
SA CFM	600	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	555	
OA CFM	45	

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

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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			-
H1-2	108	L	8	300			-
Total				600	0	0	0%

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

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

Test Data		
	Design	Actual
SA CFM	810	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	765	
OA CFM	45	

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

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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			-
H2-2	105	N	8	100			-
H2-3	105	N	8	100			-
H2-4	105	N	8	100			-
H2-5	105	N	8	100			-
Total				810	0	0	0%

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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
Serial Num	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

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

Test Data		
	Design	Actual
SA CFM	315	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	290	
OA CFM	25	

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

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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			-
Total				315	0	0	0%

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

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

Test Data		
	Design	Actual
SA CFM	600	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	530	
OA CFM	70	

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

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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			-
H4-2	118	J	8	85			-
H4-3	119	B	8	185			-
H4-4	118	J	8	85			-
H4-5	120	A	6	60			-
Total				600	0	0	0%

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	9.6875X23.9375X0.1875

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

Test Data		
	Design	Actual
SA CFM	1130	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	970	
OA CFM	160	

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

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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			-
H5-2	102	K	8	250			-
H5-3	102	K	8	250			-
H5-4	102	K	8	240			-
H5-5	110	K	8	250			-
Total				1130	0	0	0%

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

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

Test Data		
	Design	Actual
SA CFM	740	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	680	
OA CFM	60	

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

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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			-
H6-2	111	G	10	225			-
H6-3	109	G	10	225			-
Total				740	0	0	0%

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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	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	2
Filter Size 1	-	28X8.0625X0.1875

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

Test Data		
	Design	Actual
SA CFM	810	
SFAN RPM	2@	
Motor Speed Setpt	-	
Motor Frequency	-	
RL Voltage	208	
RL Amperage	-	
RA CFM	715	
OA CFM	95	

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

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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			-
H7-2	116	B	8	190			-
H7-3	121	B	8	190			-
H7-4	116	B	8	105			-
H7-5	113	A	6	60			-
H7-6	114	A	6	30			-
H7-7	115	A	6	45			-
Total				810	0	0	0%