

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: AH-1A 1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	4XR02912
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	MITSUBISHI ELECTRIC
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	208	208
Amperage	-	1.05

Test Data		
	Design	Actual
SF CFM	490	412
Motor Speed SetPt	-	HIGH
RL Voltage	208	208
RL Amperage	-	NA
RA CFM	-	361

Performance Data		
	Design	Actual
Suction ESP	-	-0.077"
Discharge ESP	-	0.116"
Total ESP	0.14-0.6"	0.193"

Completed By: Jearod Ferrette on 06/30/2025

# National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

## Split Sys Furnace



### Diffuser Supply (GRD)

AH-1A 1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CORRIDOR	A	8	145	147	124	85.5
SGRD1	CORRIDOR	A	8	145	149	122	84.1
SGRD2	STORAGE	A	6	50	55	43	86.0
SGRD3	WOMEN RR	A	6	150	82	120	80.0
Total				490	433	409	83.47%

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	243723W1JG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1740	1501
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	9.1
OA CFM	260	200

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	NA
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.09"
Discharge ESP	-	-0.18
Total ESP	0.5	0.27"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

## Split Sys Furnace



### Diffuser Supply (GRD)

GF-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	KITCHEN	A	14	660	417	599	90.8
SGRD2	KITCHEN	A	6	40	82	38	95.0
SGRD3	KITCHEN	A	6	40	70	38	95.0
SGRD4	KITCHEN	A	8	115	141	103	89.6
SGRD5	KITCHEN	A	8	115	147	104	90.4
SGRD6	KITCHEN	A	14	660	471	600	90.9
SGRD7	KITCHEN	A	6	50	103	49	98.0
SGRD8	KITCHEN	A	6	60	70	55	91.7
Total				1740	1501	1586	91.15%

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-2

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	243723WYJG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1750	1578
Motor Speed SetPt	-	COP 1.9/MAX
RL Voltage	120	120
RL Amperage	-	9.0
OA CFM	260	196

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.11"
Discharge ESP	-	-0.29"
Total ESP	0.5	0.4"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

## Split Sys Furnace



### Diffuser Supply (GRD)

GF-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1		A	12	350	298	309	88.3
SGRD2		A	12	350	291	300	85.7
SGRD3		A	12	350	308	310	88.6
SGRD4		A	12	350	323	332	94.9
SGRD5		A	12	350	329	327	93.4
Total				1750	1549	1578	90.17%

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-3

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	243717E5JG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1750	1482
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	9.2
OA CFM	260	198

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.13"
Discharge ESP	-	-0.30"
Total ESP	0.5	0.43"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

## Split Sys Furnace



### Diffuser Supply (GRD)

GF-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	ROOM	A	10	310	234	258	83.2
SGRD2	RESTROOM	A	6	40	76	34	85.0
SGRD3	MOP ROOM	A	10	310	248	259	83.5
SGRD4	ROOM	A	8	110	248	94	85.5
SGRD5	ROOM	A	10	310	249	263	84.8
SGRD6	HALL	A	10	300	202	247	82.3
SGRD7	RESTROOM	A	8	160	145	140	87.5
SGRD8	HALL	A	6	50	92	44	88.0
SGRD9	RESTROOM	A	8	160	144	143	89.4
Total				1750	1638	1482	84.69%

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-4

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	243723RFJG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1740	1587
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	9.1
OA CFM	260	192

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.14"
Discharge ESP	-	-0.26"
Total ESP	0.5	0.4"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

## Split Sys Furnace



### Diffuser Supply (GRD)

GF-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1		A	12	435	366	393	90.3
SGRD2		A	12	435	384	400	92.0
SGRD3		A	12	435	363	399	91.7
SGRD4		A	12	435	376	395	90.8
Total				1740	1489	1587	91.21%

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: Split Sys Furnace



Asset: GF-5

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	243717E2JG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20X22X1

Test Data		
	Design	Actual
SF CFM	1750	1516
Motor Speed SetPt	-	COP 1.9/ MAX
RL Voltage	120	120
RL Amperage	-	8.9
OA CFM	260	195

Motor Data		
	Design	Actual
Motor MFG	-	AHRI
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	10

Performance Data		
	Design	Actual
Suction ESP	-	0.04"
Discharge ESP	-	-0.20"
Total ESP	0.5	0.24"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project:Oakland Presbyterian Church (Rock Hill, SC)

## Split Sys Furnace



### Diffuser Supply (GRD)

GF-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1		A	12	350	260	289	82.6
SGRD2		A	12	350	331	331	94.6
SGRD3		A	12	350	298	298	85.1
SGRD4		A	12	350	366	300	85.7
SGRD5		A	12	350	285	298	85.1
Total				1750	1540	1516	86.63%



# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Supply



Asset: KMUA-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	DGX-P115-H05-VFD
Serial Num	-	25973299
Type	GAS FIRED	GAS FIRED
Configuration	HORIZONTAL	HORIZONTAL
Num Filters Size 1	-	1
Filter Size 1	-	20X20X2

Test Data		
	Design	Actual
CFM	1620	1584
SF RPM	-	DD/ 47HZ
SF System SetPt	-	47HZ
RL Voltage	208	190VFD
RL Amperage	-	3.54VFD
Suction ESP	-	-0.23"
Discharge ESP	-	0.04"
Total ESP	0.75"	0.27"

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1.5	1.5
Motor Rpm	1725	1725
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	NA
Service Factor	-	1

Completed By: Jearod Ferrette on 07/28/2025

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

## System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	25610435
Type	CEILING	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	83W	1/3
Motor Rpm	885	1000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.56
Service Factor	-	1

Test Data		
	Design	Actual
CFM	200	195
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.53
Suction ESP	-	0.27"
Discharge ESP	-	ATMO
Total ESP	0.3	0.27"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

## System/Unit: FAN - Exhaust



Asset: EF-2

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	25610435
Type	CEILING	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	83W	1/3
Motor Rpm	885	1000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.56
Service Factor	-	1

Test Data		
	Design	Actual
CFM	200	193
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.52
Suction ESP	-	0.26"
Discharge ESP	-	ATMO
Total ESP	0.3	0.26"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

## System/Unit: FAN - Exhaust



Asset: EF-3

AREA:JAN 116

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	2616299
Type	CEILING	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	15W	15W
Motor Rpm	900	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.17
Service Factor	-	1

Test Data		
	Design	Actual
CFM	75	79
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.13
Suction ESP	-	0.261"
Discharge ESP	-	ATMO
Total ESP	0.283	0.261"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

## System/Unit: FAN - Exhaust



Asset: EF-4

AREA:TOILET 104

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	191411862-0012
Type	CEILING	CEILING

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	16W	16W
Motor Rpm	863	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.16
Service Factor	-	1

Test Data		
	Design	Actual
CFM	50	48
System SetPt	-	HIGH
RL Voltage	115	115
RL Amperage	-	0.15
Suction ESP	-	0.25"
Discharge ESP	-	ATMO
Total ESP	0.3	0.25"

Completed By: Jearod Ferrette on 07/01/2025

# National TAB

Project: Oakland Presbyterian Church (Rock Hill, SC)

System/Unit: FAN - Exhaust



Asset: KEF-1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	CUE-130-A
Serial Num	-	26232113
Type	CRE UPBLAST	CRE UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56
Horsepower	1.0	1
Motor Rpm	1725	1765
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	3.35
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	1800	1863
Motor Frequency	-	DD/ 49HZ
System SetPt	-	49HZ
RL Voltage	208	197.6 VFD
RL Amperage	4.6	3.03 VFD
Brake Horse Power	-	0.645

Completed By: Jearod Ferrette on 07/28/2025