

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: FAN - Exhaust



Asset: EF-1

AREA:106

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-146
Serial Num	-	NL
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	100	91
RL Voltage	-	115
RL Amperage	-	0.313
Total ESP	0.14	0.09"

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NL
Horsepower	35W	15W
Motor Rpm	894	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.313
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:107

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-146
Serial Num	-	NL
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	100	108
RL Voltage	-	120
RL Amperage	-	0.313
Total ESP	0.14	0.12"

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NL
Horsepower	35W	15W
Motor Rpm	894	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.313
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:112

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-146
Serial Num	-	NL
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	100	110
RL Voltage	-	120
RL Amperage	-	0.313
Total ESP	0.14	0.09"

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NL
Horsepower	35W	15W
Motor Rpm	894	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.313
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

System/Unit: FAN - Exhaust



Asset: EF-4

AREA:110

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-146
Serial Num	-	NL
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	100	109
RL Voltage	-	120
RL Amperage	-	0.313
Total ESP	0.14	0.12"

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NL
Horsepower	35W	15W
Motor Rpm	894	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.313
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: FAN - Exhaust



Asset: EF-5

AREA:113

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GCC-542
Serial Num	-	NL
Type	CEILING/WALL	CEILING

Test Data		
	Design	Actual
CFM	300	357
RL Voltage	-	120
RL Amperage	-	0.99
Total ESP	0.15	0.17"

Motor Data		
	Design	Actual
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	102W	0.0625
Motor Rpm	1318	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.99
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 06/26/2025

Notes:  
2 SPEED MOTOR. ON LOW SPEED, CFM VALUE WAS 190 CFM. LEFT ON HIGH SPEED

Written By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: FAN - Exhaust



Asset: EF-6

AREA:114

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GCC-542
Serial Num	-	NL
Type	CEILING/WALL	CEILING

Test Data		
	Design	Actual
CFM	300	356
RL Voltage	-	120
RL Amperage	-	0.99
Total ESP	0.15	0.19"

Motor Data		
	Design	Actual
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	102W	0.0625
Motor Rpm	1318	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.99
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 06/26/2025

Notes:  
2 SPEED MOTOR. ON LOW SPEED, CFM VALUE WAS 190 CFM. LEFT ON HIGH SPEED

Written By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: AH-1

AREA:109,117

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	TWE12041BAA07B1
Serial Num	-	23303216BA
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	16X25X1

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	56HZ
Horsepower	2.00	2
Motor Rpm	799	1725
Phase	1	1
Voltage	208	208
Amperage	-	10.50

Test Data		
	Design	Actual
SF CFM	4000	3833
Motor Speed SetPt	-	60 Hz
RL Voltage	-	208
RL Amperage	-	10.50
RA CFM	3635	3464
OA CFM	365	369

Performance Data		
	Design	Actual
Suction ESP	-	-0.37"
Discharge ESP	-	0.16"
Total ESP	0.40	0.53"

Completed By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

AH-1/109,117

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	117	E	12	365	263	329	90.1
SGRD2	117	E	12	360	330	347	96.4
SGRD3	117	E	12	360	366	343	95.3
SGRD4	117	E	12	365	355	354	97.0
SGRD5	117	E	12	365	315	357	97.8
SGRD6	109	E	10	335	309	320	95.5
SGRD7	109	E	10	340	287	337	99.1
SGRD8	109	E	10	340	312	323	95.0
SGRD9	109	E	10	340	332	327	96.2
SGRD10	109	E	10	340	308	313	92.1
SGRD11	109	E	10	340	308	333	97.9
SGRD12	16	A	6	50	100	50	100.0
SGRD13	107	B	6	50	106	50	100.0
SGRD14	108	A	6	50	114	50	100.0
Total				4000	3805	3833	95.82%

### Diffuser Ret/Exh (GRD)

AH-1/109,117

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	16	910	1	745		936	102.9	
EGRD2	M	16	910	1	563		927	101.9	
EGRD3	M	16	1095	1	663	-	798	72.9	
EGRD4	M	16	1095	1	769	-	772	70.5	
Total			4010		2740	1432	3433	85.61%	

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: AH-2

AREA:121,125

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	TWE09041BAA07B1
Serial Num	-	24221805BA
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	16X25X1

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56H
Horsepower	1.50	1.5
Motor Rpm	777	1725
Phase	1	1
Voltage	208	208
Amperage	-	7.50

Test Data		
	Design	Actual
SF CFM	3000	2984
Motor Speed SetPt	-	60 Hz
RL Voltage	-	208
RL Amperage	-	6.4
RA CFM	2650	2621
OA CFM	350	363

Performance Data		
	Design	Actual
Suction ESP	-	-0.51"
Discharge ESP	-	0.11"
Total ESP	0.40	0.62"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

AH-2/121,125

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	121	E	12	300	173	294	98.0
SGRD2	121	E	12	300	252	296	98.7
SGRD3	121	E	12	300	223	310	103.3
SGRD4	121	E	12	300	255	311	103.7
SGRD5	121	E	12	300	247	290	96.7
SGRD6	125	E	12	300	176	299	99.7
SGRD7	125	E	12	300	223	292	97.3
SGRD8	125	E	12	300	203	325	108.3
SGRD9	125	E	12	300	212	296	98.7
SGRD10	125	E	12	300	234	271	90.3
Total				3000	2198	2984	99.47%

### Diffuser Ret/Exh (GRD)

AH-2/121,125

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	16	800	1	598		654	81.8	
EGRD2	M	16	800	1	616		666	83.3	
EGRD3	M	16	800	1	459	-	650	81.3	
EGRD4	M	16	800	1	525	-	651	81.4	
Total			3200		2198	984	2621	81.91%	

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: AH-3

AREA:120,123

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	TWE09041BAA07B1
Serial Num	-	23302438BA
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	16X25X1

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56H
Horsepower	1.50	1.5
Motor Rpm	777	1725
Phase	1	1
Voltage	208	208
Amperage	-	7.5

Test Data		
	Design	Actual
SF CFM	3000	2970
Motor Speed SetPt	-	60 Hz
RL Voltage	-	208
RL Amperage	-	5.6
RA CFM	2650	2614
OA CFM	350	356

Performance Data		
	Design	Actual
Suction ESP	-	-0.43"
Discharge ESP	-	0.19"
Total ESP	0.40	0.62"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

AH-3/120,123

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	120	E	12	300	228	302	100.7
SGRD2	120	E	12	300	285	302	100.7
SGRD3	120	E	12	300	256	292	97.3
SGRD4	120	E	12	300	316	300	100.0
SGRD5	120	E	12	300	275	302	100.7
SGRD6	123	E	12	300	241	303	101.0
SGRD7	123	E	12	300	245	290	96.7
SGRD8	123	E	12	300	208	274	91.3
SGRD9	123	E	12	300	238	315	105.0
SGRD10	123	E	12	300	273	290	96.7
Total				3000	2565	2970	99%

### Diffuser Ret/Exh (GRD)

AH-3/120,123

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	16	800	1	541		666	83.3	
EGRD2	M	16	800	1	553		662	82.8	
EGRD3	M	16	800	1	444	-	621	77.6	
EGRD4	M	16	800	1	551	-	665	83.1	
Total			3200		2089	995	2614	81.69%	

Completed By: Antonio Flores-De La Cruz on 06/24/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: CF-1

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	S9X1D120U5PSBAB
Serial Num	-	24234MY7KG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	[1]

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1.0	1
Motor Rpm	1075	NA
Phase	1	1
Voltage	120	115
Amperage	-	14.1

Test Data		
	Design	Actual
SF CFM	2030	1905
Motor Speed SetPt	-	SPEED TAP 9
RL Voltage	-	120
RL Amperage	-	6.7
RA CFM	1890	1759
OA CFM	140	146

Performance Data		
	Design	Actual
Suction ESP	-	-0.18"
Discharge ESP	-	0.15"
Total ESP	0.50	0.33"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

Notes:

[1] NO FILTER WAS INSTALLED TO DOCUMENT

Written By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

CF-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CORR	B	6	100	85	91	91.0
SGRD2	102	D	10	180	173	173	96.1
SGRD3	105	E	12	280	252	261	93.2
SGRD4	102	D	10	180	163	173	96.1
SGRD5	104	B	6	50	50	51	102.0
SGRD6	103	B	6	50	50	51	102.0
SGRD7	102	D	10	180	156	174	96.7
SGRD8	100	D	10	185	156	172	93.0
SGRD9	101	D	10	260	235	242	93.1
SGRD10	100	D	10	185	162	173	93.5
SGRD11	100	D	10	190	161	172	90.5
SGRD12	100	D	10	190	161	172	90.5
Total				2030	1804	1905	93.84%

### Diffuser Ret/Exh (GRD)

CF-1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1		M	14	695	1	657	562	619	89.1
EGRD2		K	12	330	1	398	256	291	88.2
EGRD3		M	14	695	1	379	545	620	89.2
EGRD4		J	10	260	1	178	220	229	88.1
Total				1980		1612	1583	1759	88.84%

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: CF-2

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	S9V2B080U4PSBDA
Serial Num	-	23404LHTKG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	[1]

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	0.75	0.75
Motor Rpm	-	NA
Phase	1	1
Voltage	120	115
Amperage	-	12.6

Test Data		
	Design	Actual
SF CFM	1355	1361
Motor Speed SetPt	-	MED-HIGH
RL Voltage	-	120
RL Amperage	-	5.2
RA CFM	1255	1258
OA CFM	100	103

Performance Data		
	Design	Actual
Suction ESP	-	-0.16"
Discharge ESP	-	0.12"
Total ESP	0.50	0.28"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

Notes:

[1] NO FILTER WAS INSTALLED TO DOCUMENT

Written By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

CF-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	113	D	10	200	151	204	102.0
SGRD2	CORR A	D	10	160	181	162	101.3
SGRD3	CORR A	H	8	155	82	152	98.1
SGRD4	CORR A	D	10	160	176	158	98.8
SGRD5	114	D	10	200	195	204	102.0
SGRD6	CORR A	D	10	160	207	163	101.9
SGRD7	CORR A	D	10	160	228	162	101.3
SGRD8	CORR A	H	8	160	97	156	97.5
Total				1355	1317	1361	100.44%

### Diffuser Ret/Exh (GRD)

CF-2/

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	K	12	600	1	625	625	635	105.8	
EGRD2	K	12	600	1	548	-	623	103.8	
Total			1200		1173	1173	1258	104.83%	

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: CF-3

AREA:114

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	S9V2C100U5PSBDA
Serial Num	-	23332UFJKG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	[1]

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	0.75	0.75
Motor Rpm	-	NA
Phase	1	1
Voltage	115	115
Amperage	-	12.9

Test Data		
	Design	Actual
SF CFM	1600	1659
Motor Speed SetPt	-	MED-HIGH
RL Voltage	-	120
RL Amperage	-	5.6
RA CFM	1425	1497
OA CFM	175	162

Performance Data		
	Design	Actual
Suction ESP	-	-0.15"
Discharge ESP	-	0.13"
Total ESP	0.50	0.28"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

Notes:

[1] FILTER NOT INSTALLED. UNABLE TO DOCUMENT FILTER SIZE

Written By: Antonio Flores-De La Cruz on 06/24/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

CF-3/114

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	115	E	12	320	356	334	104.4
SGRD2	115	E	12	320	432	334	104.4
SGRD3	115	E	12	320	375	335	104.7
SGRD4	115	E	12	320	63	335	104.7
SGRD5	115	E	12	320	437	321	100.3
Total				1600	1663	1659	103.69%

### Diffuser Ret/Exh (GRD)

CF-3/114

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	14	800	1			742	92.8	
EGRD2	M	14	800	1		-	755	94.4	
Total			1600		0	0	1497	93.56%	

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: CF-4

AREA: CORR B & C

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	S9V2C100U4VSADA
Serial Num	-	23324KJ5KG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	[1]

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	1.00	1
Motor Rpm	-	NA
Phase	1	1
Voltage	120	115
Amperage	-	12.6

Test Data		
	Design	Actual
SF CFM	1380	1410
Motor Speed SetPt	-	MED
RL Voltage	-	120
RL Amperage	-	5.2
RA CFM	1280	1307
OA CFM	100	103

Performance Data		
	Design	Actual
Suction ESP	-	-0.15"
Discharge ESP	-	0.14"
Total ESP	0.50	0.29"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

Notes:

[1] NO FILTER WAS INSTALLED TO DOCUMENT

Written By: Antonio Flores-De La Cruz on 06/26/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

#### CF-4/CORR B & C

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	CORR B	C	8	175	190	170	97.1
SGRD2	CORR B	H	8	155	112	153	98.7
SGRD3	CORR B	C	8	175	147	178	101.7
SGRD4	CORR B	C	8	175	159	176	100.6
SGRD5	CORR C	C	8	175	160	181	103.4
SGRD6	CORR C	C	8	175	169	175	100.0
SGRD7	CORR C	C	8	175	146	188	107.4
SGRD8	CORR C	C	8	175	147	189	108.0
Total				1380	1230	1410	102.17%

### Diffuser Ret/Exh (GRD)

#### CF-4/CORR B & C

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	14	700	1	659	659	659	94.1	
EGRD2	M	14	700	1	610	-	648	92.6	
Total			1400		1269	1269	1307	93.36%	

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: CF-5

AREA:131 CLASS 9

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	S9V2C100U4VSADA
Serial Num	-	23324JXHKG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	[1]

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	0.75	0.75
Motor Rpm	-	NA
Phase	1	1
Voltage	120	120
Amperage	-	12.9

Test Data		
	Design	Actual
SF CFM	1600	1565
Motor Speed SetPt	-	MED-HIGH
RL Voltage	-	120
RL Amperage	-	5.6
RA CFM	1440	1401
OA CFM	160	164

Performance Data		
	Design	Actual
Suction ESP	-	-0.21"
Discharge ESP	-	0.08"
Total ESP	0.50	0.29"

Completed By: Antonio Flores-De La Cruz on 06/25/2025

Notes:

[1] NO FILTER WAS INSTALLED TO DOCUMENT

Written By: Antonio Flores-De La Cruz on 06/25/2025

# National TAB

Project: Palisades Episc School Classrooms (Charlotte, NC)

## Split Sys Furnace



### Diffuser Supply (GRD)

#### CF-5/131 CLASS 9

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	131	E	12	320	213	315	98.4
SGRD2	131	E	12	320	267	308	96.3
SGRD3	131	E	12	320	259	318	99.4
SGRD4	131	E	12	320	280	306	95.6
SGRD5	131	E	12	320	276	318	99.4
Total				1600	1295	1565	97.81%

### Diffuser Ret/Exh (GRD)

#### CF-5/131 CLASS 9

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	16	800	1	630		678	84.8	
EGRD2	M	16	800	1	698	-	723	90.4	
Total			1600		1328	698	1401	87.56%	

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Project: Palisades Episc School Classrooms (Charlotte, NC)

## System/Unit: Split Sys Furnace



Asset: CF-6

AREA:130 CLASS 8

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Model Num	S9V2C100U4VSA	S9V2C100U4VSADA
Serial Num	-	23302S1NKG
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	[1]

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	0.75	0.75
Motor Rpm	-	NA
Phase	1	1
Voltage	120	115
Amperage	-	12.9

Test Data		
	Design	Actual
SF CFM	1600	1620
Motor Speed SetPt	-	MED-HIGH
RL Voltage	-	120
RL Amperage	-	5.5
RA CFM	1440	1457
OA CFM	160	163

Performance Data		
	Design	Actual
Suction ESP	-	-0.19"
Discharge ESP	-	0.08"
Total ESP	0.50	0.27"

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Notes:

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## Split Sys Furnace



### Diffuser Supply (GRD)

#### CF-6/130 CLASS 8

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	130	E	12	320	211	323	100.9
SGRD2	130	E	12	320	276	331	103.4
SGRD3	130	E	12	320	258	314	98.1
SGRD4	130	E	12	320	292	326	101.9
SGRD5	130	E	12	320	298	326	101.9
Total				1600	1335	1620	101.25%

### Diffuser Ret/Exh (GRD)

#### CF-6/130 CLASS 8

Asset									
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design	Location
EGRD1	M	16	800	1	740		741	92.6	
EGRD2	M	16	800	1	630	-	716	89.5	
Total			1600		1370	630	1457	91.06%	