SHOP DRAWING REVIEW

One University Place
8801 J.M. Keynes Drive, Suite 240
Charlotte, North Carolina 28262
Phone 704-376-7072
www.cmta.com

PROJECT:	Cleveland County Schools – Kings Mountain HS MEP Reno
PROJECT NO:	221.013.05
SUBMITTAL:	230721-1.0 Unit Ventilators
DATE RECEIVED:	January 16, 2023

Engineer's review is for conformance with the general design concept and for general arrangement only. Review and approval shall not be construed to mean that the engineer accepts the detail calculations and dimensions shown in the submittal or any deviation from the requirements of the contract documents. Contractor is responsible for errors or omissions in the submittal; for meeting all requirements of the contract documents; for confirming and correlating job site dimensions; for information that pertains solely to fabrication processes or to techniques of construction; and for the coordination of his work with all other trades.

DISPOSITION LEGEND

EI **EXCEPTIONS INDICATED – RESUBMISSION NOT REQUIRED**
Fabrications may proceed as per notations. If Contractor cannot comply with notation, resubmit item. Otherwise, resubmission is not required. Changes to contract or contract sum are not authorized.

Reviewer: James Currie **Date: 3.7.2023**

ITEM - DISPOSITION; COMMENT(S):

1) Coordinate LH/RH in field for all pipe connections.
2) BAS contractor to review and provide valve selections for the units.
3) Provide extensions on new units to completely cover existing location on wall.

END OF SHOP DRAWING REVIEW

BEAM Construction Company, Inc.
601 East Main St
Cherryville, North Carolina 28021
P: (704) 435-3206

Project: 655 Kings Mountain HVAC Upgrades
500 Phifer Road
Kings Mountain, North Carolina 28086

Submittal #23 07 21-1.0 - Unit Ventilators
23 07 21 - Pre-Conditioning Units

BEAM CONSTRUCTION CO., INC.

- [x] **NO EXCEPTIONS TAKEN**
- [ ] **MAKE CORRECTIONS NOTED (Do not Resubmit)**
- [ ] **CORRECT AND RESUBMIT**
- [ ] **REJECTED**
- [ ] **FOR INFORMATION ONLY**

Reviewed only for conformancy with the design concept of the project and general compliance with the information given in the contract documents. Vendor is responsible for correctness of details, dimensions, sizes, quantities, and the like.

BY jboheler **DATE** 1/16/2023

Date	**January 11, 2023**
Hoffman & Hoffman Order #	**125.352.10316**
Branch Office	**Charlotte, NC**
Salesman	**Brian Milbourne**

PROJECT: **Kings Mountain High School - Unit Vent Replacement**
Kings Mountain, NC

CONTRACTOR: **Superior Mechanical**
Charlotte, NC

ENGINEER:

EQUIPMENT: **Unit Ventilators**

REVISION: **0**

SUBMITTAL

General Notes:

Above per the attached data and cut sheets

- Contractor to confirm handing & voltage
- Units provided WITHOUT controls - to be field installed by others

APPROVAL REQUIRED

HOFFMAN HOFFMAN, INC.

HVAC Manufacturers Representative

Website: **www.hoffman-hoffman.com**

Asheville, NC (828) 252-5782 | **Charleston, SC (843) 884-3201**
Charlotte, NC (704) 364-4700 | **Columbia, SC (803) 765-9360**
Raleigh, NC (919) 781-8011 | **Greenville, SC (864) 676-1888**
Wilmington, NC (910) 791-4775 | **Chesapeake, VA (757) 548-1700**
Chattanooga, TN (423) 693-2890 | **Richmond, VA (804) 272-1500**
Knoxville, TN (865) 450-9770 | **Roanoke, VA (540) 725-8701**
Corporate: Greensboro, NC (336) 292-8777

Unit									Chilled Water Cooling Coil							Hot Water Heating Coil								Dimensions			
TAG	Model	Electrical			Supply Fan				EAT		LAT		Rows	Total Capacity Btu/hr	Total Sensible Btu/hr	Entering Water Temp °F	Leaving Water Temp °F	Fluid Flow Rate gpm	WPD ft H_2O	EDB °F	LDB °F	Rows	Total Capacity Btu/hr	Entering Water Temp °F	Leaving Water Temp °F	Fluid Flow Rate gpm	Water Pressure Drop ft H_2O	Height (in.)	Depth (in.)	Length (in.)	Handing
		Voltage	MCA	MROPD	Air Flow CFM	ESP inH_2O	Motor Power	Motor Type	EDB °F	EWB °F	LDB °F	LWB °F																		
FCU-Copy Rm	FCHC203	115/60/1	4.4	7.9	376.8	0.00	1/4	Field Adjustable ECM	80.0	67.0	55.5	55.2	4	13883	10107	45.0	55.0	2.8	2.81	70.0	155.9	4	35399	180.0	149.7	2.3	1.64	14	25	47.6	L
FCU-Entry 1	FCVC104	115/60/1	4.4	7.9	413.2	0.00	1/4	Field Adjustable ECM	80.0	67.0	54.9	54.7	4	15721	11328	45.0	54.9	3.2	4.10	70.0	164.8	4	42856	180.0	149.8	2.8	2.39	25	10	46	R
FCU-Entry 2	FCVC104	115/60/1	4.4	7.9	413.2	0.00	1/4	Field Adjustable ECM	80.0	67.0	54.9	54.7	4	15721	11328	45.0	54.9	3.2	4.10	70.0	164.8	4	42856	180.0	149.8	2.8	2.39	25	10	46	R
FCU-Lower Hall	FCVC106	115/60/1	4.4	7.9	628.1	0.00	1/4	Field Adjustable ECM	80.0	67.0	55.4	54.3	4	24672	16896	45.0	55.0	4.9	11.01	70.0	155.2	4	58495	180.0	149.9	3.9	5.16	25	10	57	R
FCU-Officer Rm	FCVC106	115/60/1	4.4	7.9	628.1	0.00	1/4	Field Adjustable ECM	80.0	67.0	55.4	54.3	4	24672	16896	45.0	55.0	4.9	11.01	70.0	155.2	4	58495	180.0	149.9	3.9	5.16	25	10	57	R
FCU-Work Rm	FCVC106	115/60/1	4.4	7.9	628.1	0.00	1/4	Field Adjustable ECM	80.0	67.0	55.4	54.3	4	24672	16896	45.0	55.0	4.9	11.01	70.0	155.2	4	58495	180.0	149.9	3.9	5.16	25	10	57	R
FCU-Work Rm 15A	FCHC203	115/60/1	4.4	7.9	376.8	0.00	1/4	Field Adjustable ECM	80.0	67.0	55.5	55.2	4	13883	10107	45.0	55.0	2.8	2.81	70.0	155.9	4	35399	180.0	149.7	2.3	1.64	14	25	47.6	L
UV-Server Rm	UAHV9H07	115/60/1	6.30	15	750	0.00	0.333	ECM, 3-Speed	80.0	67.0	61.2	56.5	4	24500	15300	45.0	55.0	4.90	5.79	70.0	133.9	4	51988	180.0	128.0	2.00	0.73	16.62	64	36	L
UV-011	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	L
UV-012	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-013	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-014	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-015	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-016	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-020A	UAHV9H13	115/60/1	6.30	15	1250	0.00	0.333	ECM, 3-Speed	80.0	67.0	58.8	55.8	4	43295	28699	45.0	55.0	8.66	6.67	70.0	114.9	4	60881	180.0	119.1	2.00	0.35	16.62	88	36	L
UV-020B	UAHV9H13	115/60/1	6.30	15	1250	0.00	0.333	ECM, 3-Speed	80.0	67.0	58.8	55.8	4	43295	28699	45.0	55.0	8.66	6.67	70.0	114.9	4	60881	180.0	119.1	2.00	0.35	16.62	88	36	L
UV-021	UAHV9H15	115/60/1	12.00	15	1500	0.00	0.750	ECM, 3-Speed	80.0	67.0	57.2	54.6	4	56741	37112	45.0	55.0	11.35	8.61	70.0	107.7	4	61384	180.0	118.6	2.00	0.26	16.62	100	36	L
UV-102	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-103	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-104	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-105	UAHV9H10	115/60/1	6.30	15	1000	0.00	0.333	ECM, 3-Speed	80.0	67.0	58.5	55.4	4	35619	23309	45.0	55.0	7.12	6.27	70.0	124.2	4	58839	180.0	121.2	2.00	0.48	16.62	76	36	L
UV-106	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-107	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-108	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-109	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-110	UAHV9H10	115/60/1	6.30	15	1000	0.00	0.333	ECM, 3-Speed	80.0	67.0	58.5	55.4	4	35619	23309	45.0	55.0	7.12	6.27	70.0	124.2	4	58839	180.0	121.2	2.00	0.48	16.62	76	36	L
UV-111	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-112	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-113	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-114	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-115	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-116	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-117	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-118	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R
UV-119	UAVV9H15	115/60/1	6.30	15	1474	0.00	0.333	ECM, 3-Speed	80.0	67.0	57.1	54.5	4	56249	36662	45.0	55.0	11.25	8.61	70.0	107.8	4	60533	180.0	119.5	2.00	0.26	30.13	16.63	98	R

SUBMITTAL DATA

Job Name	Kings Mountain High School UV
For	
Sold To	
Prepared For	
Customer PO#	
Prepared By	Brian Milbourne
Date	1/11/2023

Table of Contents

Table of Contents

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Copy Rm

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCHC203	03	115/60/1	376.8	0.00	Horizontal

Unit

Model Number:	FCHC203
Type:	Fan Coil
Orientation:	Horizontal
Size:	03
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
25.0 in	47.6 in	14.00 in	94 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 10.75 in x 20.88 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	1.1 ft²	348.8 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
13883	10107	80.0	67.0	55.5	55.2

Fluid					
Temperature					
Entering °F	Leaving °F	Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
45.0	55.0	Water	2.8	2.81	Left Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	1.1 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
35399	70.0	155.9	180.0	149.7

Fluid

Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	2.3	1.64	Left Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
8.00 in	6.00 in	1

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
53	54	55	54	50	42	37

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Return Air Location:	Bottom
Disconnect Switch:	Disconnect Switch

Warranty

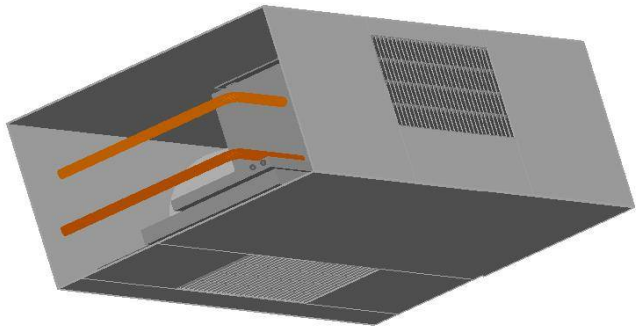
Warranty:	Standard

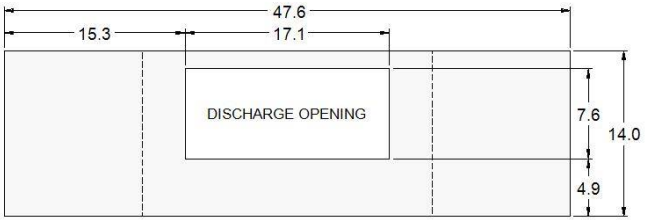
AHRI Certification

Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

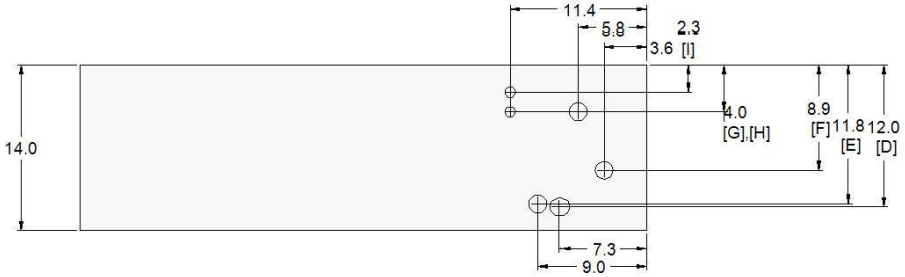
Notes

Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.

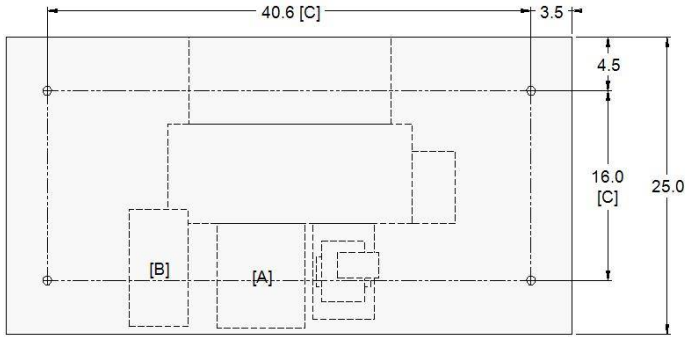




FRONT VIEW - LEFT HAND UNIT



BACK VIEW

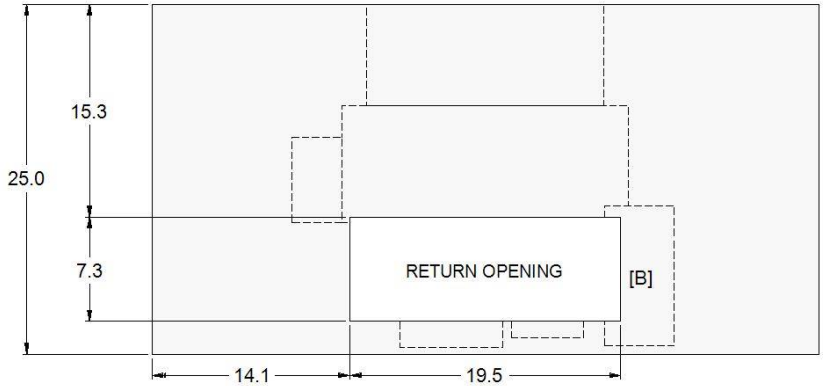


TOP VIEW

NOTES			
[A] - Fan Housing	[B] - Electrical Control Box	[C] - (4) Mounting Holes - 0.75 DIA	[D] - Drain Conc Knockout - 1.5 DIA
[E] - Drain Conc Knockout - 1.5 DIA	[F] - Primary Sup Knockout - 1.5 DIA	[G] - Elec Conc - 0.875 DIA	[H] - Primary Ret Knockout - 1.5 DIA
[I] - Elec Conc - 0.875 DIA			

Product Drawing	Unit Tag: FCU-Copy Rm			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCHC203	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

FCU-Copy Rm



BOTTOM VIEW

NOTES			
[A] - Fan Housing	[B] - Electrical Control Box		

Product Drawing	Unit Tag: FCU-Copy Rm			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCHC203	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Work Rm 15A

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCHC203	03	115/60/1	376.8	0.00	Horizontal

Unit

Model Number:	FCHC203
Type:	Fan Coil
Orientation:	Horizontal
Size:	03
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
25.0 in	47.6 in	14.00 in	94 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 10.75 in x 20.88 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	1.1 ft²	348.8 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
13883	10107	80.0	67.0	55.5	55.2

Fluid					
Temperature					
Entering °F	Leaving °F	Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
45.0	55.0	Water	2.8	2.81	Left Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	1.1 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
35399	70.0	155.9	180.0	149.7

Fluid			
Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	2.3	1.64	Left Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
8.00 in	6.00 in	1

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
53	54	55	54	50	42	37

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Return Air Location:	Bottom
Disconnect Switch:	Disconnect Switch

Warranty

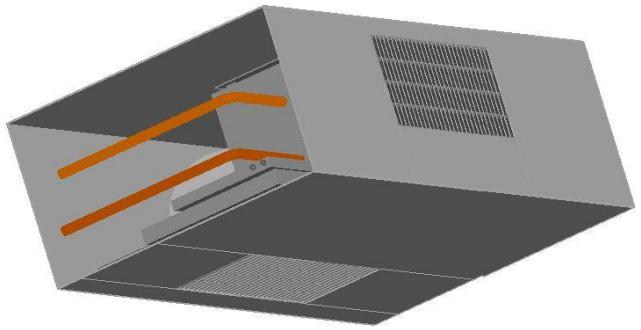
Warranty:	Standard

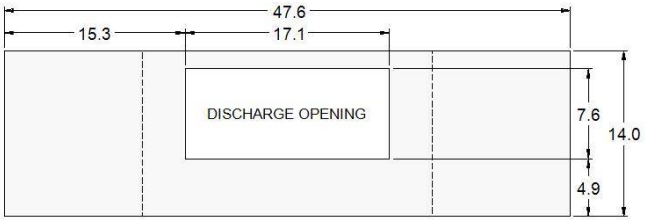
AHRI Certification

Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

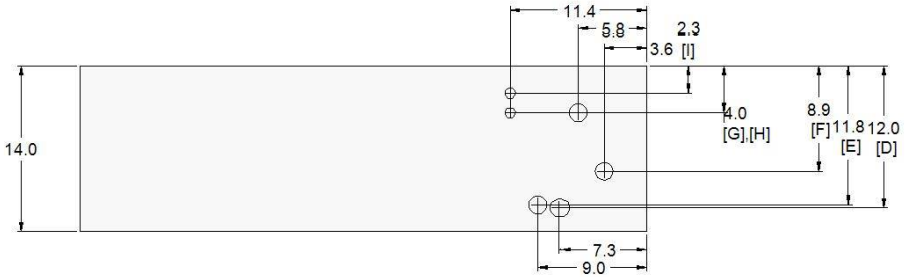
Notes

Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.

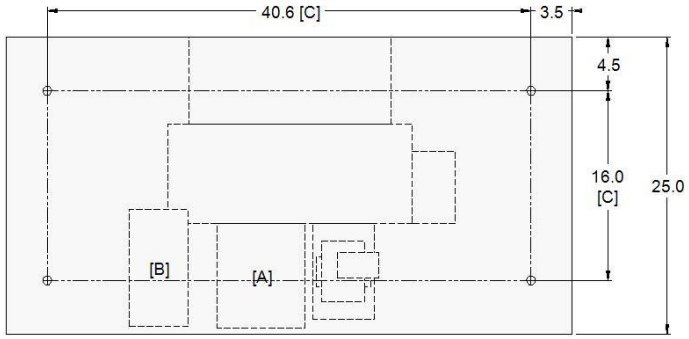




FRONT VIEW - LEFT HAND UNIT



BACK VIEW

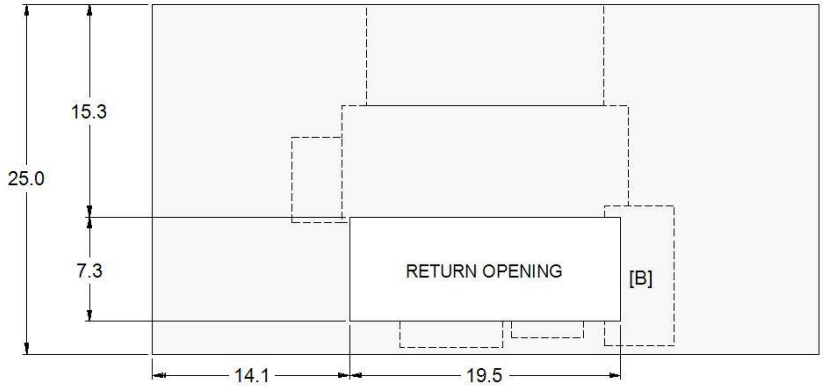


TOP VIEW

NOTES			
[A] - Fan Housing	[B] - Electrical Control Box	[C] - (4) Mounting Holes - 0.75 DIA	[D] - Drain Conc Knockout - 1.5 DIA
[E] - Drain Conc Knockout - 1.5 DIA	[F] - Primary Sup Knockout - 1.5 DIA	[G] - Elec Conc - 0.875 DIA	[H] - Primary Ret Knockout - 1.5 DIA
[I] - Elec Conc - 0.875 DIA			

Product Drawing	Unit Tag: FCU-Work Rm 15A			Sales Office: Hoffman & Hoffman, Inc.		
Product:	Project Name: Kings Mountain High			Sales Engineer:		
Model: FCHC203	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in

DAIKIN
13600 Industrial Park Blvd. Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 10.40



BOTTOM VIEW

NOTES			
[A] - Fan Housing	[B] - Electrical Control Box		

Product Drawing	Unit Tag: FCU-Work Rm 15A			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCHC203	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Entry 1

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCVC104	04	115/60/1	413.2	0.00	Vertical

Unit

Model Number:	FCVC104
Type:	Fan Coil
Orientation:	Vertical
Size:	04
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
10.0 in	46.0 in	25.00 in	108 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 27 in x 8.75 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	1.4 ft²	289.0 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
15721	11328	80.0	67.0	54.9	54.7

Fluid					
Temperature		Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Entering °F	Leaving °F				
45.0	54.9	Water	3.2	4.10	Right Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	1.4 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
42856	70.0	164.8	180.0	149.8

Fluid			
Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	2.8	2.39	Right Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
6.30 in	6.26 in	2

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
54	55	52	50	45	36	34

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Sub-base Height:	3.5" Subbase
Return Air Location:	Front
Disconnect Switch:	Disconnect Switch

Warranty

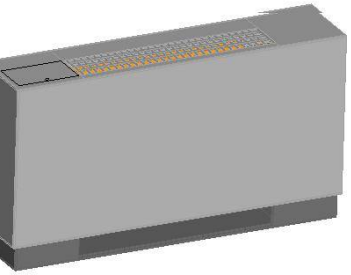
Warranty:	Standard

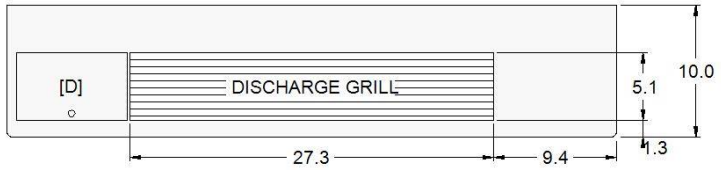
AHRI Certification

Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

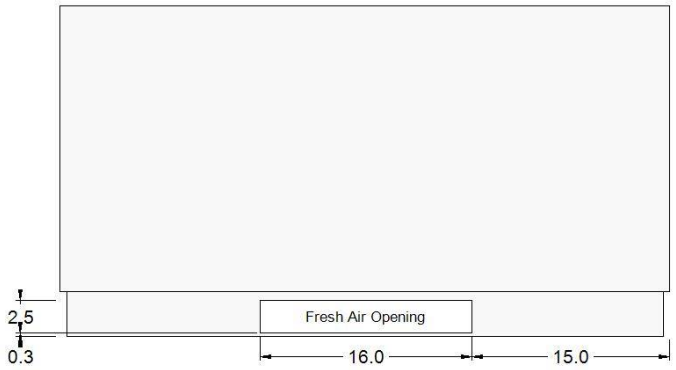
Notes

Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.
Total sound power level data based On units With 115/1/60 volt PSC motor at corresponding motor speed, 4 row coil, 1" throwaway filter, unit standard insulation, 0.0" external Static pressure And standard rated internal pressure losses.

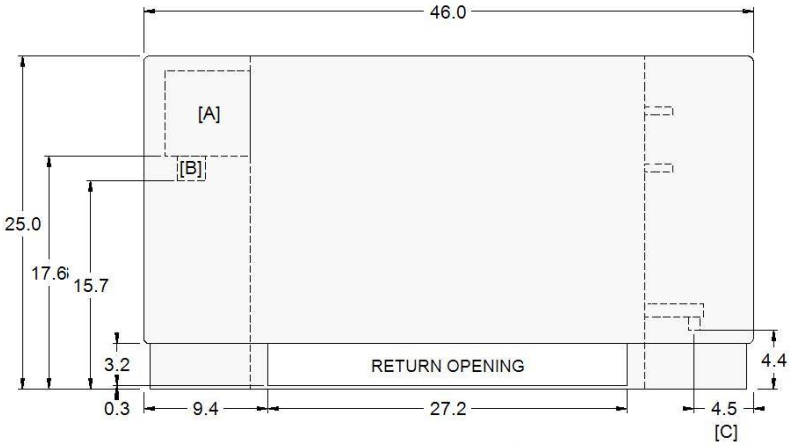




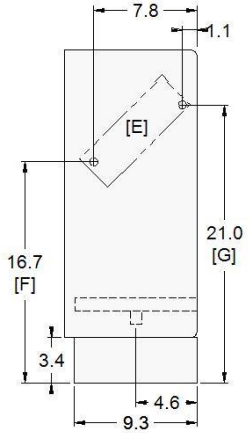
TOP VIEW



BACK VIEW



FRONT VIEW - RIGHT HAND UNIT



RIGHT VIEW

NOTES			
[A] - Electrical Control Box	[B] - Optional Disconnect Switch	[C] - Drain Pan Conn 0.75 OD	[D] - Electrical Ctrl Access Door
[E] - Primary Coil	[F] - Primary Coil Sup Conn 0.625 DIA	[G] - Primary Coil Ret Conn 0.625 DIA	

Product Drawing	Unit Tag: FCU-Entry 1			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCVC104	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Entry 2

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCVC104	04	115/60/1	413.2	0.00	Vertical

Unit

Model Number:	FCVC104
Type:	Fan Coil
Orientation:	Vertical
Size:	04
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
10.0 in	46.0 in	25.00 in	108 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 27 in x 8.75 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	1.4 ft²	289.0 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
15721	11328	80.0	67.0	54.9	54.7

Fluid					
Temperature		Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Entering °F	Leaving °F				
45.0	54.9	Water	3.2	4.10	Right Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	1.4 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
42856	70.0	164.8	180.0	149.8

Fluid			
Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	2.8	2.39	Right Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
6.30 in	6.26 in	2

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
54	55	52	50	45	36	34

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Sub-base Height:	3.5" Subbase
Return Air Location:	Front
Disconnect Switch:	Disconnect Switch

Warranty

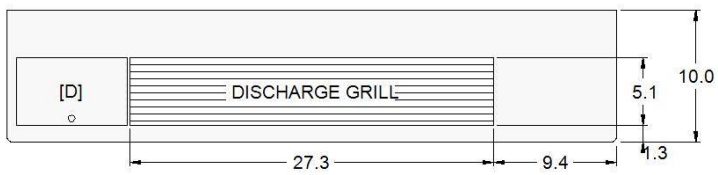
Warranty:	Standard

AHRI Certification

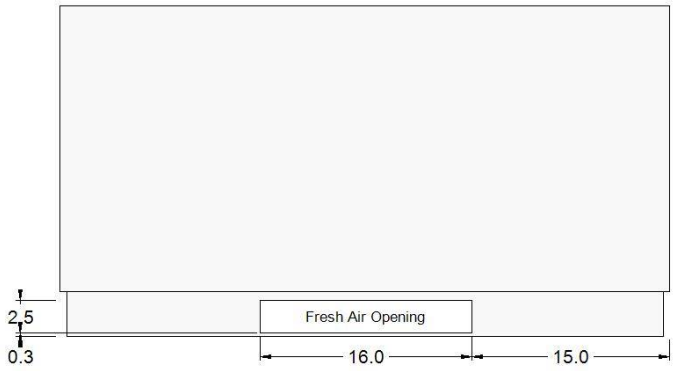
Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

Notes

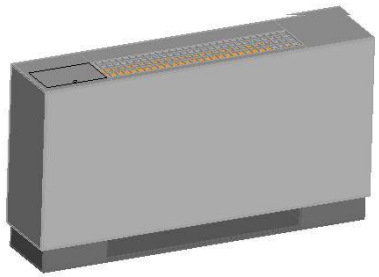
Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.
Total sound power level data based On units With 115/1/60 volt PSC motor at corresponding motor speed, 4 row coil, 1" throwaway filter, unit standard insulation, 0.0" external Static pressure And standard rated internal pressure losses.

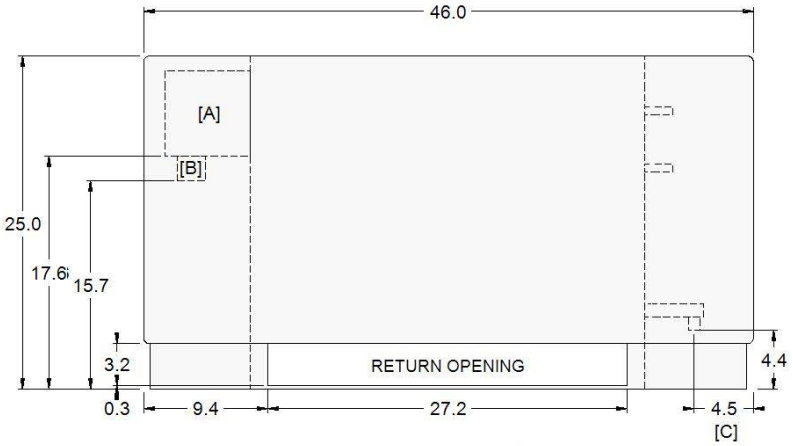


TOP VIEW

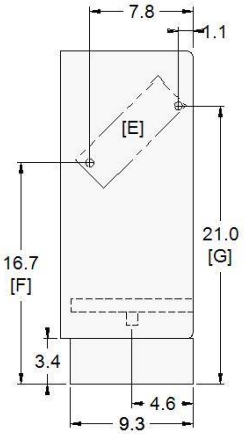


BACK VIEW





FRONT VIEW - RIGHT HAND UNIT



RIGHT VIEW

NOTES			
[A] - Electrical Control Box	[B] - Optional Disconnect Switch	[C] - Drain Pan Conn 0.75 OD	[D] - Electrical Ctrl Access Door
[E] - Primary Coil	[F] - Primary Coil Sup Conn 0.625 DIA	[G] - Primary Coil Ret Conn 0.625 DIA	

Product Drawing	Unit Tag: FCU-Entry 2			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCVC104	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Lower Hall

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCVC106	06	115/60/1	628.1	0.00	Vertical

Unit

Model Number:	FCVC106
Type:	Fan Coil
Orientation:	Vertical
Size:	06
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
10.0 in	57.0 in	25.00 in	131 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 38 in x 8.75 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	2.1 ft²	297.7 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
24672	16896	80.0	67.0	55.4	54.3

Fluid					
Temperature					
Entering °F	Leaving °F	Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
45.0	55.0	Water	4.9	11.01	Right Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	2.1 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
58495	70.0	155.2	180.0	149.9

Fluid			
Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	3.9	5.16	Right Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
6.30 in	7.95 in	2

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
57	59	60	59	55	48	42

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Sub-base Height:	3.5" Subbase
Return Air Location:	Front
Disconnect Switch:	Disconnect Switch

Warranty

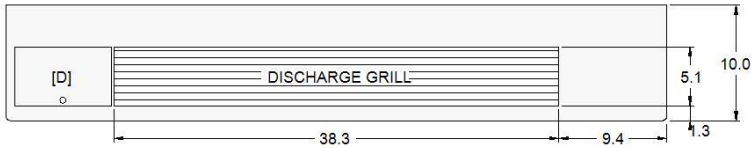
Warranty:	Standard

AHRI Certification

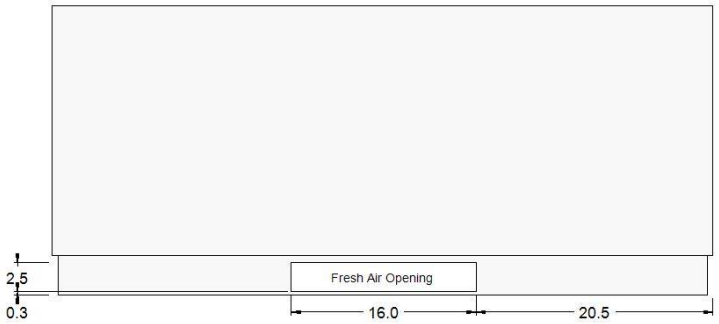
Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

Notes

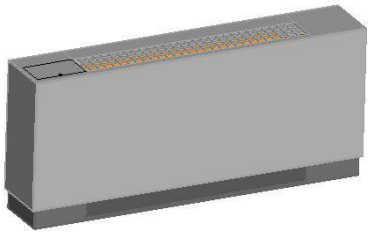
Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.
Total sound power level data based On units With 115/1/60 volt PSC motor at corresponding motor speed, 4 row coil, 1" throwaway filter, unit standard insulation, 0.0" external Static pressure And standard rated internal pressure losses.

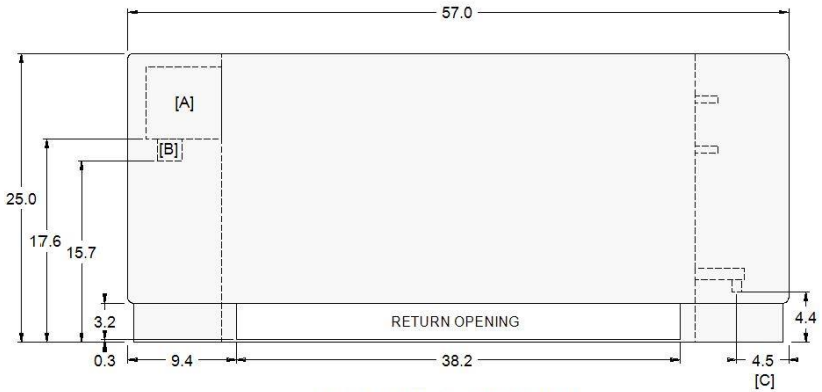


TOP VIEW

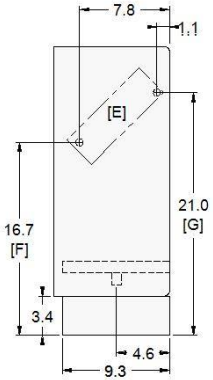


BACK VIEW





FRONT VIEW - RIGHT HAND UNIT



RIGHT VIEW

NOTES			
[A] - Electrical Control Box	[B] - Optional Disconnect Switch	[C] - Drain Pan Conn 0.75 OD	[D] - Electrical Ctrl Access Door
[E] - Primary Coil	[F] - Primary Coil Sup Conn 0.625 DIA	[G] - Primary Coil Ret Conn 0.625 DIA	

Product Drawing	Unit Tag: FCU-Lower Hall			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCVC106	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Officer Rm

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCVC106	06	115/60/1	628.1	0.00	Vertical

Unit

Model Number:	FCVC106
Type:	Fan Coil
Orientation:	Vertical
Size:	06
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
10.0 in	57.0 in	25.00 in	131 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 38 in x 8.75 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	2.1 ft²	297.7 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
24672	16896	80.0	67.0	55.4	54.3

Fluid					
Temperature					
Entering °F	Leaving °F	Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
45.0	55.0	Water	4.9	11.01	Right Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	2.1 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
58495	70.0	155.2	180.0	149.9

Fluid

Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	3.9	5.16	Right Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
6.30 in	7.95 in	2

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
57	59	60	59	55	48	42

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Sub-base Height:	3.5" Subbase
Return Air Location:	Front
Disconnect Switch:	Disconnect Switch

Warranty

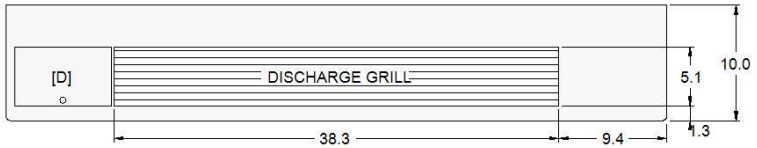
Warranty:	Standard

AHRI Certification

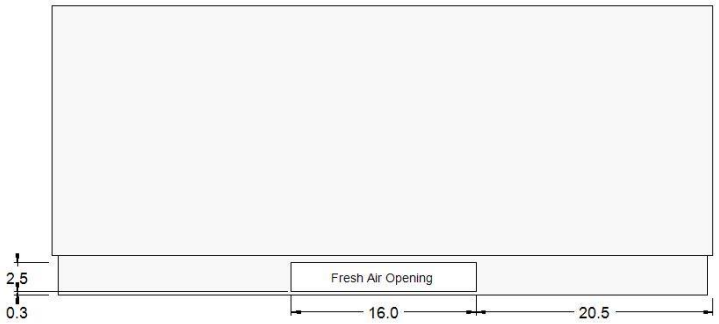
Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

Notes

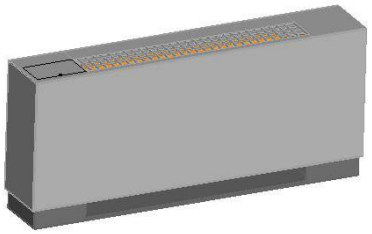
Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.
Total sound power level data based On units With 115/1/60 volt PSC motor at corresponding motor speed, 4 row coil, 1" throwaway filter, unit standard insulation, 0.0" external Static pressure And standard rated internal pressure losses.

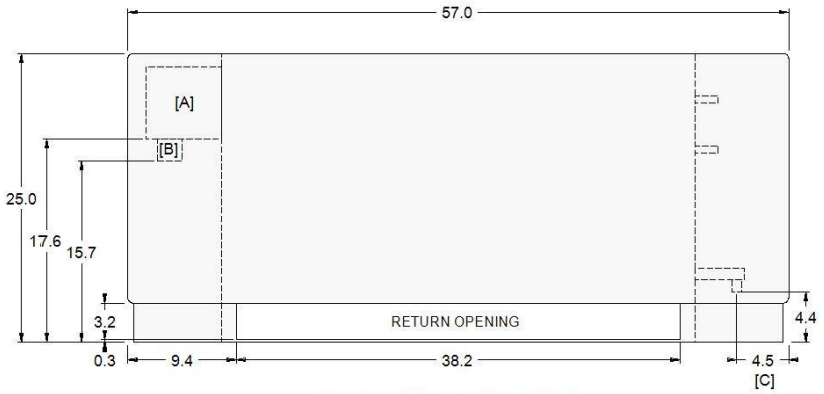


TOP VIEW

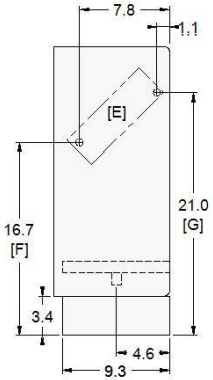


BACK VIEW





FRONT VIEW - RIGHT HAND UNIT



RIGHT VIEW

NOTES			
[A] - Electrical Control Box	[B] - Optional Disconnect Switch	[C] - Drain Pan Conn 0.75 OD	[D] - Electrical Ctrl Access Door
[E] - Primary Coil	[F] - Primary Coil Sup Conn 0.625 DIA	[G] - Primary Coil Ret Conn 0.625 DIA	

Product Drawing	Unit Tag: FCU-Officer Rm			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCVC106	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	10.40
Unit Tag	FCU-Work Rm

Unit Overview

Model Number	Unit Size	Voltage V/Hz/Phase	Air Flow CFM	External Static Pressure inH_2O	Unit Configuration
FCVC106	06	115/60/1	628.1	0.00	Vertical

Unit

Model Number:	FCVC106
Type:	Fan Coil
Orientation:	Vertical
Size:	06
Cabinet:	Flat Cabinet
Approval	ETL, CETL, AHRI

Physical

Unit

Depth	Width	Height	Shipping Weight
10.0 in	57.0 in	25.00 in	131 lb

Filters

Type	(Quantity) Height x Width
1" Throwaway MERV 8 Filter	(1) 38 in x 8.75 in

Electrical

Unit

Voltage	Fan Motor Amps	Unit MCA	Unit MROPD
115/60/1 V/Hz/Phase	3.5 A	4.4 A	15 A

Chilled Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Face Velocity	Connections
12	4	4	2.1 ft²	297.7 ft/min	5/8 inch

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
24672	16896	80.0	67.0	55.4	54.3

Fluid					
Temperature					
Entering °F	Leaving °F	Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
45.0	55.0	Water	4.9	11.01	Right Hand (Front of Face)

Hot Water Coil

Physical

Fins per Inch	Number of Rows	Coil Circuits	Face Area	Connections
12	4	4	2.1 ft²	5/8 inch

Performance

Total Capacity Btu/hr	Temperature			
	Air		Fluid	
	Entering °F	Leaving °F	Entering °F	Leaving °F
58495	70.0	155.2	180.0	149.9

Fluid			
Type	Flow rate gpm	Pressure Drop ft H_2O	Unit Handing
Water	3.9	5.16	Right Hand (Front of Face)

Supply Fan

Fan

Fan Height	Fan Width	Quantity
6.30 in	7.95 in	2

Motor

Type	Horsepower	Quantity
Field Adjustable ECM	1/4 hp	1

Sound

Casing Radiated Sound Power (db)

125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
57	59	60	59	55	48	42

Options

General	
Cabinet Style:	Standard
Cabinet Coating:	Premium
Cabinet Color:	Off White
Cabinet Plenum Insulation:	1/4 inch Closed Cell
Cabinet Gauge:	18 Gauge
Sub-base Height:	3.5" Subbase
Return Air Location:	Front
Disconnect Switch:	Disconnect Switch

Warranty

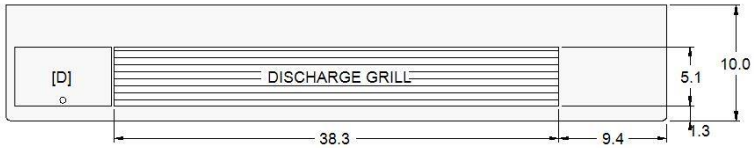
Warranty:	Standard

AHRI Certification

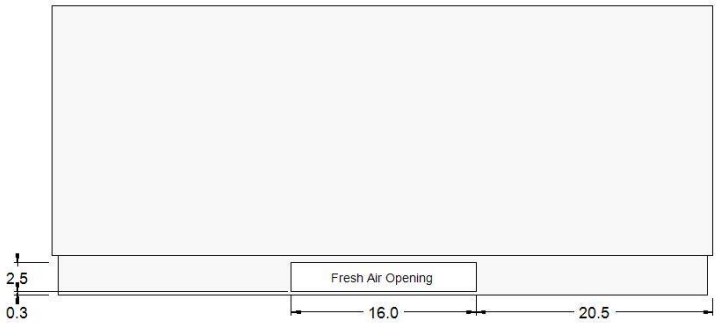
Certified in accordance with the AHRI 440 Certification Program, which is based on AHRI Standard 440. Certified units may be found in the AHRI Directory at wwww.ahridirectory.org..

Notes

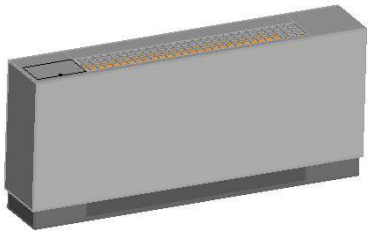
Sound Power (dB) measured in accordance with ANSI/AHRI Standard 260-2008.
Total sound power level data based On units With 115/1/60 volt PSC motor at corresponding motor speed, 4 row coil, 1" throwaway filter, unit standard insulation, 0.0" external Static pressure And standard rated internal pressure losses.

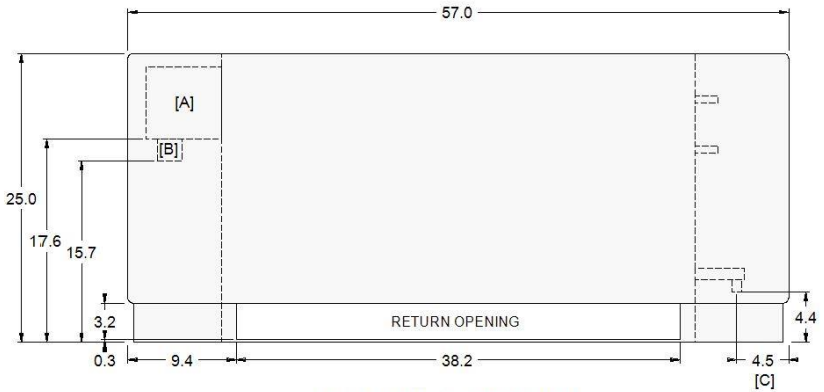


TOP VIEW

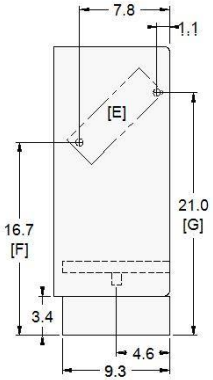


BACK VIEW





FRONT VIEW - RIGHT HAND UNIT



RIGHT VIEW

NOTES			
[A] - Electrical Control Box	[B] - Optional Disconnect Switch	[C] - Drain Pan Conn 0.75 OD	[D] - Electrical Ctrl Access Door
[E] - Primary Coil	[F] - Primary Coil Sup Conn 0.625 DIA	[G] - Primary Coil Ret Conn 0.625 DIA	

Product Drawing	Unit Tag: FCU-Work Rm			Sales Office: Hoffman & Hoffman, Inc.			DAIKIN
Product:	Project Name: Kings Mountain High			Sales Engineer:			13600 Industrial Park Blvd. Minneapolis, MN 55441
Model: FCVC106	Jan. 11, 2023	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in	www.DaikinApplied.com Software Version: 10.40

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-011

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-012

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-013

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-014

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-015

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-016

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-102

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-103

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-104

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-106

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-107

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-108

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-109

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-111

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-112

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-113

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-114

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-115

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-116

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-117

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-118

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-119

Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAVV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Vertical, Floor Mounted	Field Mounted Controls (By Others)	Right Hand Cooling	Right Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
98.00 in	16.63 in	30.13 in	570 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1474	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56249	36662	80.0	67.0	57.1	54.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.25	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60533	70.0	107.8	180.0	119.5

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type

Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

Notes

Accessories

Part Number	Description
106041193	1" End Pnl, Off-White, 16-5/8"D, Solid (AV AZ)

Certified Drawing	AVV-HC-025J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **Coil Connections** Date: **May 2018**

Daikin Classroom Floor Unit Ventilator Model AVV (J Vintage)

Model Nomenclature - Coil Connection Locations

Code Designation & Description: **U** **AVV** **6** **S10** **A** **U[1]** **65** **A**

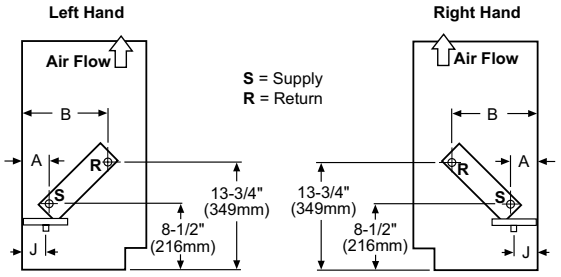
Code Item: **1** **2** **3** **4** **5** **6** **7** **8**

Category	Code Item	Code Option	Code Designation & Description			
Product Category	1	1	U	Unit Ventilators		
Model Type	2	2-4	AVV	Floor, Valve Control		
Design Series	3	5	9	Design J		
Motor Type	4	6	S	PSC Motor, 3-Speed	V	EC Motor, Variable Airflow
			H	EC Motor, 3-Speed		
Nominal Capacity		7-8	07	750 CFM	13	1250 CFM
			10	1000 CFM	15	1500 CFM
Voltage	5	9	A	115/60/1	D	208/60/3
			C	208/60/1	H	230/60/3
			G	230/60/1	K	460/60/3
			J	265-277/60/1		
Coil Options	6	10	U [1]	2 Row CW/HW 2 pipe	V [5]	2 Row CW
	Numerical codes [#] include optional stainless steel drain pan.		D [2]	3 Row CW/HW 2 pipe	S [6]	3 Row CW
			E [3]	4 Row CW/HW 2 pipe	W [7]	4 Row CW
			F [4]	5 Row CW/HW 2 pipe	Y [8]	5 Row CW
			G [9]	DX	Z	None
Heating Options	7	11-12	12	3 Element Low Cap. Electric Heat	68	Steam Low Cap.
			13	6 Element Low Cap. Electric Heat	69	Steam High Cap.
			65	1 Row HW	78	Opposite End Steam Low Cap.
			66	2 Row HW	79	Opposite End Steam High Cap.
			67	3 Row HW	00	None
Hand Orientation	8	13	A	Same Hand LH	E	LH Heating/RH Cooling
			B	Same Hand RH	F	RH Heating/LH Cooling
			D	RH Electric Heat Only	R	Single Coil Left Hand
			G	RH Electric Heat / LH Cool	S	Single Coil Right Hand

Coil Connection Locations- Heat/Cool

Chilled Water / Hot Water (2-pipe) Unit

☐ Coils U[1], D[2], E[3], F[4]

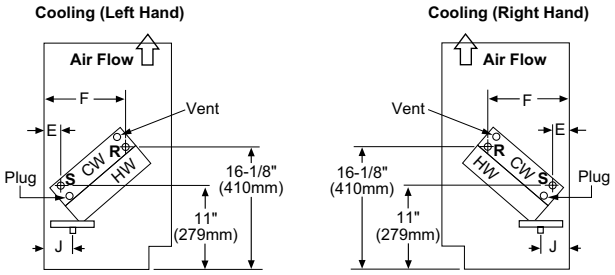


Notes:

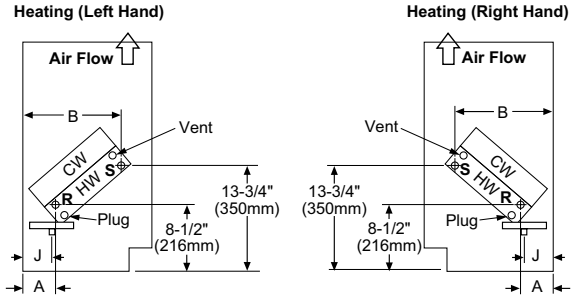
1. *For units with 5-row coil (F or Y) add .55" to return connection dimensions shown and .75" to the dimensions shown for supply connection.*
2. *Numerical codes [#] denote optional stainless steel drain pan (cooling coils).*
3. *All coils have same end supply and return connections.*
4. *Cooling condensate drain pan is shipped sloped down towards the cooling coil connections but is field reversible.*
5. *For limitations with coil combinations see Table 4 on page 4.*
6. *Coil connections are 7⁄8" I.D. (female) and terminate 9" (229mm) from the end of the unit.*
7. *All dimensions are approximated.*

Chilled Water and Hot Water Unit

☐ Cooling Coils V[5], S[6], W[7], Y[8]

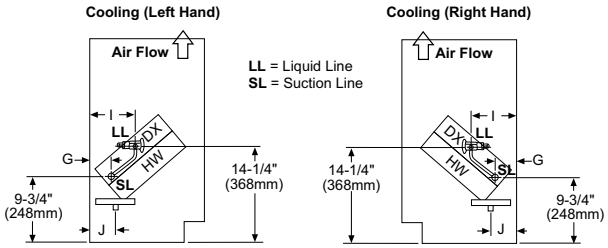


☐ Heating Coils 65, 66, 67

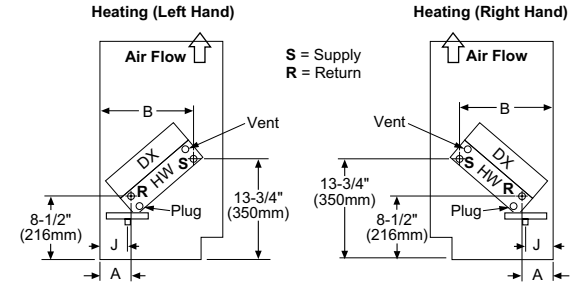


Direct Expansion and Hot Water Unit

☐ Cooling Coils G[9]

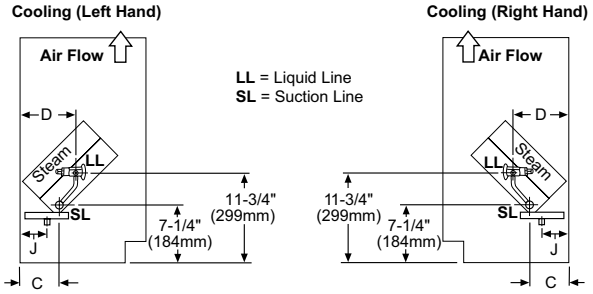


☐ Heating Coils 65, 66, 67

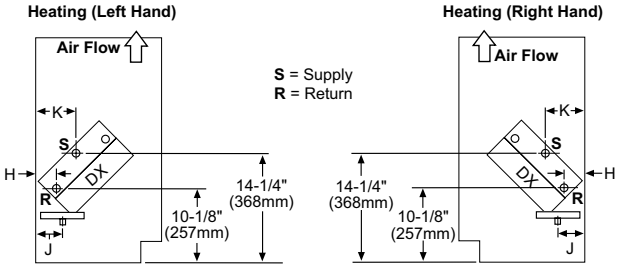


Direct Expansion and Steam Unit

☐ Cooling Coils G[9]



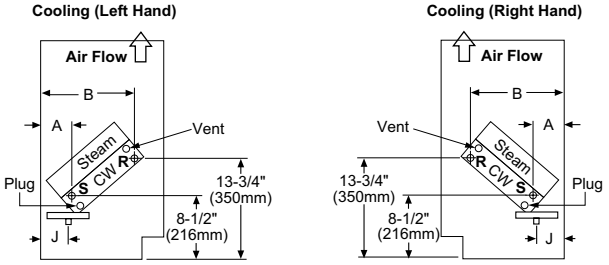
☐ Heating Coils 68, 69, 78, 79



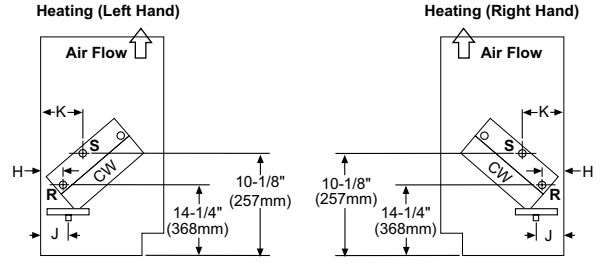
Note: *For opposite end drain steam coils (code 78, 79) Return (R) is 7¼" (184mm) from bottom of unit and (H) 2" (51mm) from the back of unit.* ***Unless otherwise noted, LH and RH connections are the same.***

Chilled Water and Steam Unit

☐ Cooling Coils V[5], S[6]



☐ Heating Coils 68, 69, 78, 79



Note: *For opposite end drain steam coils (code 78, 79) Return (R) is 7¼" (184mm) from bottom of unit and (H) 2" (51mm) from the back of unit.* ***Unless otherwise noted, LH and RH connections are the same.***

Notes: *1. For opposite end drain steam coils (code 78, 79) Return (R) is 7¼" (184mm) from bottom of unit and (H) 2" (51mm) from the back of unit.* ***Unless otherwise noted, LH and RH connections are the same.***

2. Steam coils have a factory installed pressure equalizing valve and a 24" (610mm) long pressure equalizing line which terminates in a ½" M.P.T. fitting.

3. Steam/hot water connections may be same end as cooling coil connections, but they are recommended to be opposite end to facilitate piping. (Must be opposite end when using MicroTech® controls.)

4. Electric heating coil power connections are right end only. Junction box has 1"(25mm) and 2" (51mm) (trade size) knockouts, 10-½" (267mm) from right end of the unit.

5. For limitations with coil combinations see Table 4 on page 4.

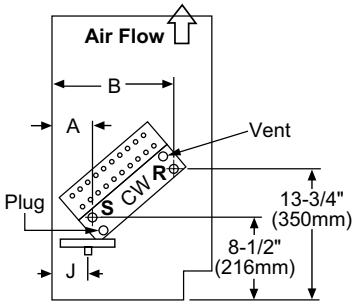
6. Steam coils are 1-⅛" female (sweat) connections and terminate 9" (229mm) from the end of the unit.

7. DX coils (G) have O.D. sweat connections Interconnecting tube by others. See table 3 for correct tubing size.

Chilled Water and Electric Heating Coils

☐ Chilled Water (1st Position) and Electric Heating (Cooling Coils V[5], S[6], W[7]), (Heating Coils 12, 13)

Cooling (Left Hand)



Direct Expansion and Electric Heating Coils

☐ Direct Expansion (1st Position) and Electric Heating (Cooling Coils G[9]), (Heating Coils 12, 13)

Cooling (Left Hand)

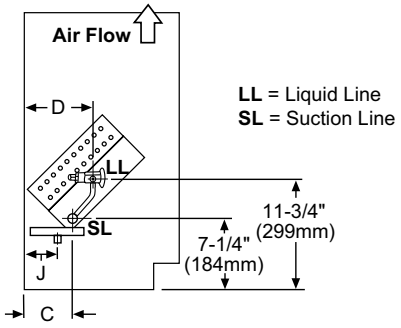


Table 1: Coil Water Capacities (Gallons/Liters)

Coil Rows	Unit Series				
	S07, H07, V07	S10, H10, V10	S13, H13, V13	S15, H15, V15	S20, H20, V20
	Gallons (Liters)				
1 Row Coil	0.25 (0.95)	0.31 (1.17)	0.38 (1.44)	0.44 (1.67)	0.44 (1.67)
2 Row Coil	0.45 (1.70)	0.57 (2.16)	0.69 (2.61)	0.82 (3.10)	0.82 (3.10)
3 Row Coil	0.64 (2.42)	0.82 (3.10)	1.01 (3.82)	1.19 (4.50)	1.19 (4.50)
4 Row Coil	0.83 (3.14)	1.08 (4.09)	1.32 (5.00)	1.57 (5.94)	1.57 (5.94)
5 Row Coil	1.03 (3.90)	1.34 (5.07)	1.64 (6.21)	1.95 (7.38)	1.95 (7.38)

Table 2: Coil Connection Dimensions For Lettered Values

Unit Depth		Dimensions										
		A	B	C	D	E	F	G	H	I	J	K
in.	16-5/8	3-3/4	12-1/4	4-7/8	7-3/4	1-5/8	10-1/8	2-3/4	2-7/8	5-5/8	3	5
mm	422	95	311	124	198	41	257	70	73	143	76	127
in.	21-7/8	9	17-1/2	10-1/8	13	6-7/8	15-3/8	8	8-1/8	10-7/8	8-1/4	10-1/4
mm	556	229	445	257	330	175	391	203	206	276	210	260

Table 3: Direct Expansion (DX) Coil G[9] Connection Tubing

Unit Series	S07, H07, V07		S10, H10, V10		S13, H13, V13		S15, H15, V15	
	in	mm	in	mm	in	mm	in	mm
Suction Line OD:	3/4	19	3/4	19	7/8	22	7/8	22
Liquid LIne OD:	1/4	6.35	1/4	6	3/8	10	3/8	10

Table 4: Heat/Cool Position/Combinations in Air Stream (one coil per position)

Heat/Cool		Model AVV – Valve Control	
First Position In Airstream	**Second Position In Airstream**	**Basic Valve Control**	**Electric Heat/Cool**
U, D, E, F, 1, 2, 3, 4	00	•	
65	V, S, W, Y, G, 5, 6, 7, 8, 9	•	
66	V, S, W, G, 5, 6, 7, 9	•	
67	V, S, G, 5, 6, 9	•	
V, S, G, 5, 6, 9	68, 69, 78, 79	•	
V, S, W, G, 5, 6, 7, 9	12, 13		•

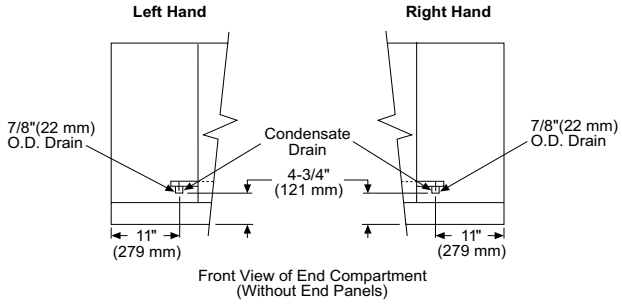
• = Available

Cooling Coils:
U or [1] = 2 Row CW/HW 2-Pipe Coil
D or [2] = 2 Row CW/HW 2-Pipe Coil
E or [3] = 4 Row CW/HW 2-Pipe Coil
F or [4] = 5 Row CW/HW 2-Pipe Coil
V or [5] = 2 Row CW Coil
S or [6] = 3 Row CW Coil
W or [7] = 4 Row CW Coil
Y or [8] = 5 Row CW Coil
G or [9] = Direct Expansion Coil

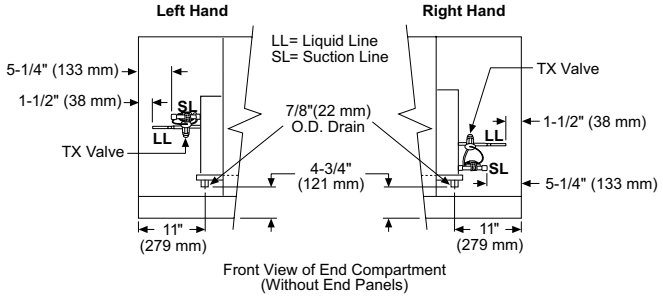
Heating Coils:
65 = 1 Row Hot Water Coil
66 = 2 Row Hot Water Coil
67 = 3 Row Hot Water Coil
68 = Low Capacity Steam Coil
69 = High Capacity Steam Coil
78 = Opposite End Drain Low Capacity Steam Coil
79 = Opposite End Drain High Capacity Steam Coil
12 = Low Electric Heat Coi
13 = High Electric Heat Coil
00 = None

Note: *Numerical codes [#] denote optional stainless steel drain pan (cooling coils).*

Condensate Drain Location



Condensate Drain and DX Coil Connections



Certified Drawing	AVV-024J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **Basic Unit Data** Date: **May 2018**

Daikin Classroom Floor Unit Ventilator Model AVV (J Vintage)

Standard Features

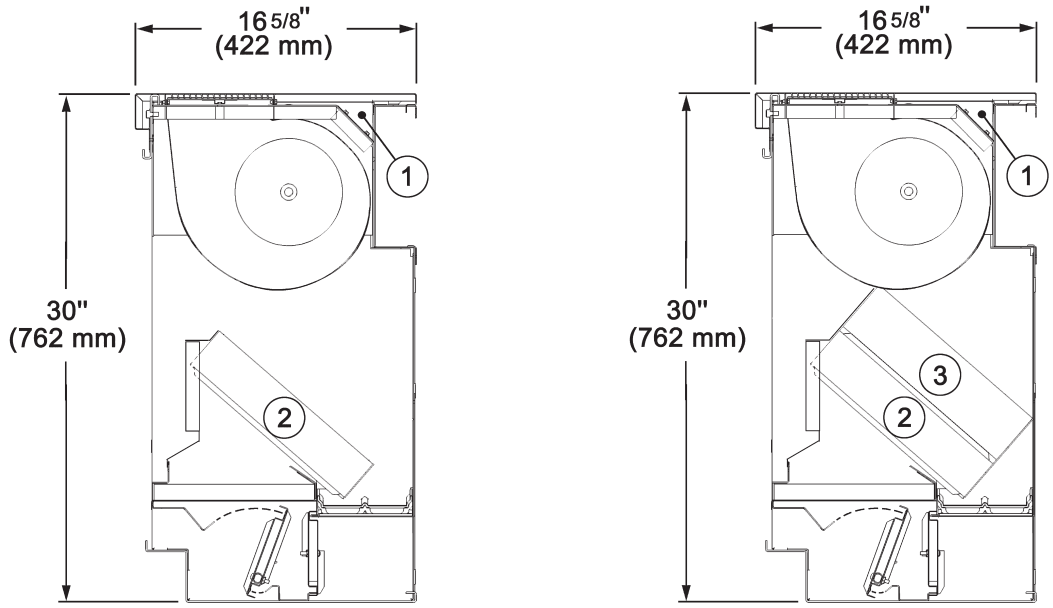
- UL/cUL listed.
- AHRI Certified chilled water performance. Unit ventilation rate certified and tested per Air Conditioning, Heating and Refrigeration Institute (AHRI) standard 840.
- Institutional quality cabinet with durable, textured, charcoal bronze paint finish on top surface. Oven baked powder paint on all other exterior panels.
- Welded chassis constructed from galvanized steel.
- Two, top hinged doors for access.
- Removable bar discharge grille.
- Three individual front access panels provided for ease of maintenance and service.
- All access panels have positive positioning threaded fasteners operated with 5/32" hex wrench.
- Insulated unit back.
- Built in pipe tunnel.
- Leveling legs.
- Rigid, double wall, insulated outdoor air damper made from welded galvanized steel, with mohair end and damper seals in turned over edges.
- Galvanized steel drain pan (optional stainless steel). Connection handing is field reversible and direction of slant can be field modified.
- Room air fan shaft have oilable sleeve bearings for quietness and long life.
- Low speed room air fan constructed of injection molded polypropylene for precise, smooth, quiet performance.
- Energy efficient 1⁄4 H.P. permanent split capacitor (PSC) plug-in room air fan motor fits all size units. Located out of air stream.
- Available 1/3 H.P. Electrically Commutated Motor (ECM) available for applications with External Static Pressures (ESP) up to 0.45 (112 Pa).
- UL listed individual fusing of fan motor and controls.
- PSC and EC motor speed controlled by multi-tap transformer, high-medium-low-off speeds. Optional variable speed ECM.
- MicroTech® Controls (Optional) – State of the art MicroTech unit controller is a stand alone microprocessor based DDC control device that is pre-engineered, pre-programmed, pre-tested and factory installed. It provides correct sequence of operations and the advantage of one source responsibility.
- Steam coils equipped with vacuum breaker.
- Manual air vent and drain plug on water coils.
- Throwaway filter(s) factory installed in unit.
- Heating only units can be adapted for future air conditioning.

Table 1: Physical Data

			S07 / H07 / V07	S10 / H10 / V10	S13 / H13 / V13	S15 / H15 / V15
Nominal Airflow CFM (L/s)			**750 (340)**	**1000 (472)**	**1250 (590)**	**1500 (708)**
Fan Data	**Number of Fans:**		2	3	4	4
	Size	**Diameter - in (mm)**	8.12 (206mm)	8.12 (206mm)	8.12 (206mm)	8.12 (206mm)
		Width- in (mm)	8.25 (210mm)	8.25 (210mm)	8.25 (210mm)	8.25 (210mm)
Filter Data	**Nominal Size**	**in**	10 x 36-1/2 x 1	10 x 48-1/2 x 1	10 x 60-1/2 x 1	10 x 36-1/2 x 1
		(mm)	254 x 927 x 25	254 x 1232 x 25	254 x 1537 x 25	254 x 927 x 25
	Area - Ft^2 (m^2)		2.54 (.24)	3.37 (.31)	4.2 (.39)	5.08 (.47)
	Quantity:		1	1	1	2
Shipping Weight	**16-5/8" Deep Units**		350 (168)	425 (193)	495 (225)	570 (259)
	21-7/8" Deep Units		370 (163)	445 (202)	525 (238)	600 (272)
Coil Water Volume Gallons (Liters)	**1 Row Coil**		0.25 (0.95)	0.31 (1.17)	0.38 (1.44)	0.44 (1.67)
	2 Row Coil		0.45 (1.70)	0.57 (2.16)	0.69 (2.61)	0.82 (3.10)
	3 Row Coil		0.64 (2.42)	0.82 (3.10)	1.01 (3.82)	1.19 (4.50)
	4 Row Coil		0.83 (3.14)	1.08 (4.09)	1.32 (5.00)	1.57 (5.94)
	5 Row Coil		1.03 (3.90)	1.34 (5.07)	1.64 (6.21)	1.95 (7.38)

Dimensional Data

AVV Unit Cross Sections
Valve Control

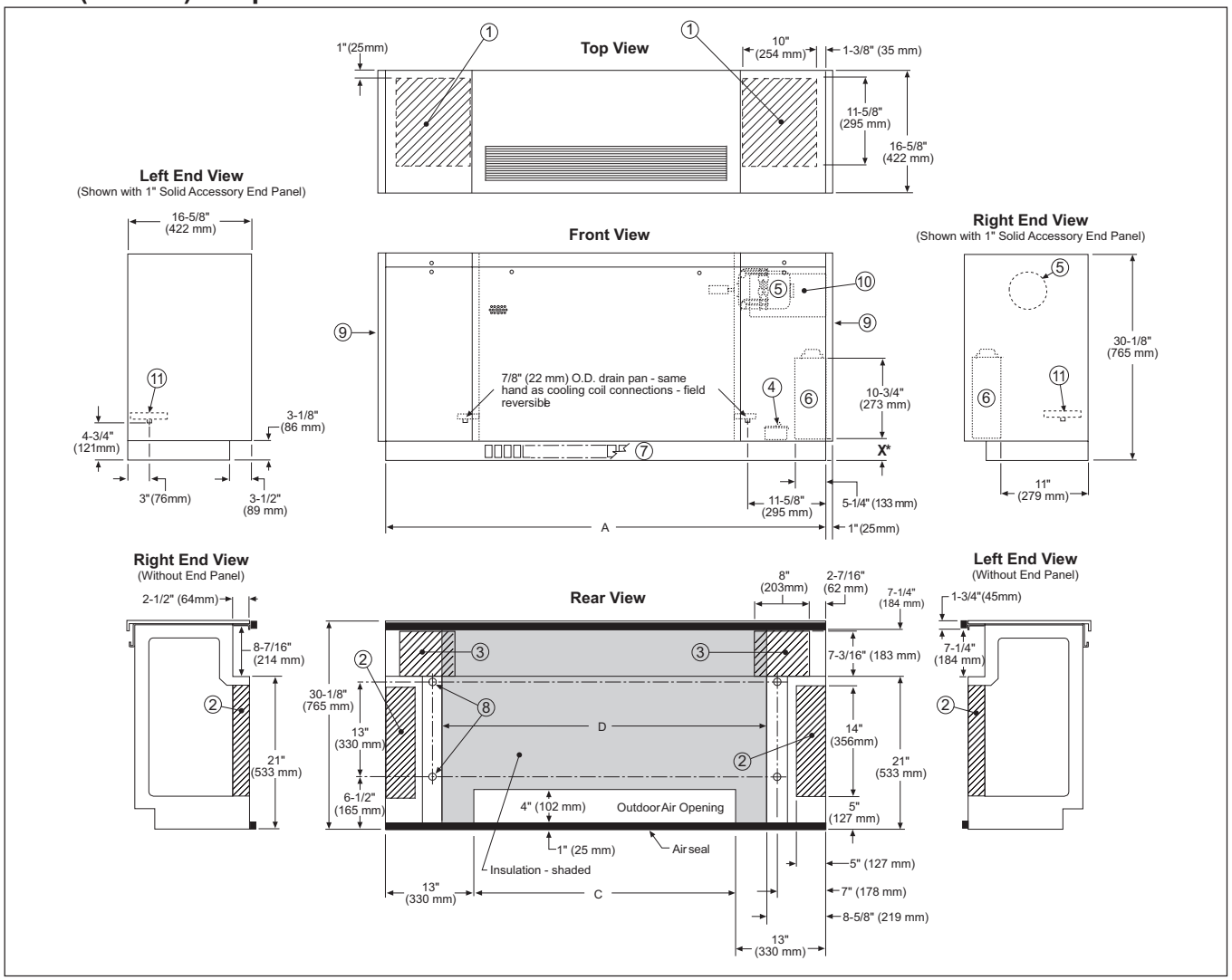


Single Coil Units	Two Coil Units	
1 Raceway for factory wiring 2 Hot Water, Steam, Chilled Water, CW/HW (2-pipe), Direct Expansion, Electric Heat	**Direct Expansion Units (DX)** 1 Raceway for factory wiring 2 Direct Expansion 3 Steam or Electric Heat 2 Hot Water 3 Direct Expansion	**Chilled Water Units** 1 Raceway for factory wiring 2 Hot Water 3 Chilled Water 2 Chilled Water 3 Electric Heat or Steam

Certified Drawing	AVV-026J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **Inlet Air Arrange.** Date: **May 2018**

Daikin Classroom Floor Unit Ventilator Model AVV (J Vintage) Arrangement AL – Open Pipe Tunnel

16⅝" (422mm) Deep Floor Unit – Dimensions

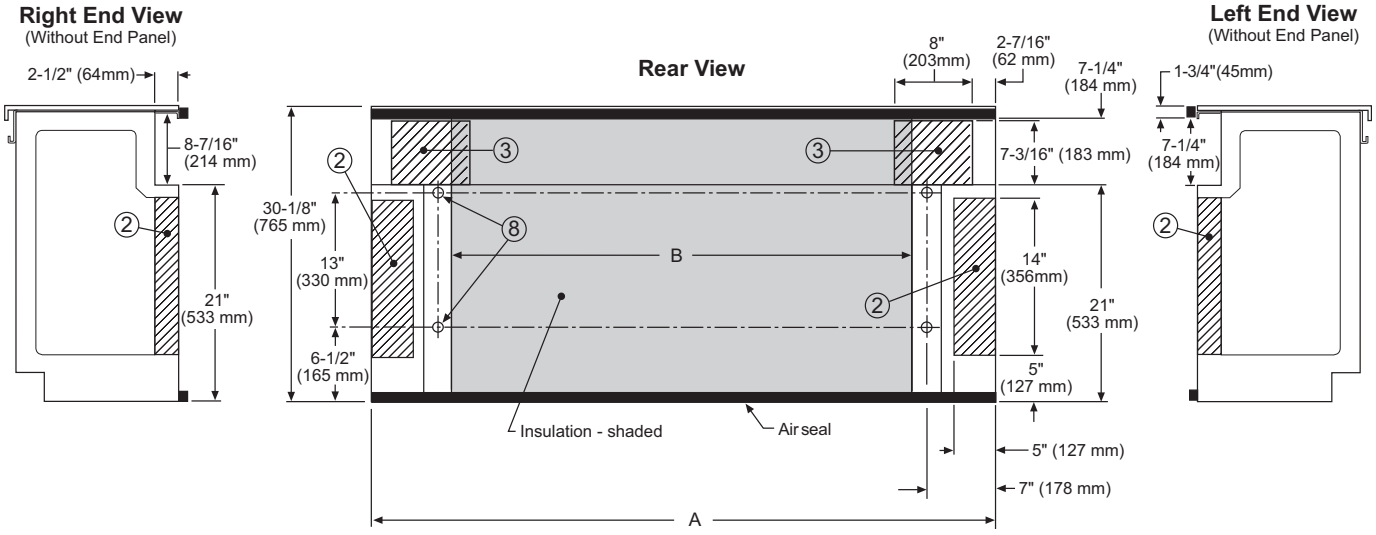


Unit Size	Dimensions in inches (mm)		
	A	B	C
S07, H07, V07	62 (1575)	43 (1092)	36 (914)
S10, H10, V10	74 (1880)	55 (1397)	48 (1219)
S13, H13, V13	86 (2184)	67 (1702)	60 (1524)
S15, H15, V15	98 (2489)	79 (2007)	72 (1829)

Drawing Notes (①, *, etc.)

1 Bottom entry within 10" x 11-5/8" (254 mm x 295 mm) area
2 Rear entry area 14" x 5" (356 mm x 127 mm).
3 Opening between pipe tunnel & end compartment.
4 Disconnect Switch for main power wiring.
5 Fan motor.
6 Electrical connection box.
7 Slotted kickplate for return air arrangements; partially open kickplate for draftstop arrangements.
8 (4) - 7/8" (22 mm) diameter holes in back for anchoring unit to wall.
9 Accessory panels not included with unit, order separately as an accessory.
10 Controls location (MicroTech® units only).
11 Galvanized drain pan (optional stainless steel).
X = 3.88" for units with MicroTech controls. X = 14.43" for all other control options.

Open Pipe Tunnel, Recirculation Room Air – No Outside Air Damper (OA/RA Code 24)



Unit Size	Dimensions in inches (mm)	Drawing Notes (②, *, etc.)
	A	2 Rear entry area 14" x 5" (356 mm x 127 mm). 3 Opening between pipe tunnel & end compartment. 8 (4) - 7/8" (22 mm) diameter holes in back for anchoring unit to wall.
S07, H07, V07	62 (1575)	
S10, H10, V10	74 (1880)	
S13, H13, V13	86 (2184)	
S15, H15, V15	98 (2489)	

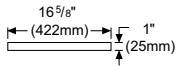
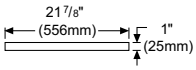
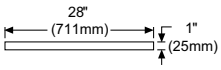
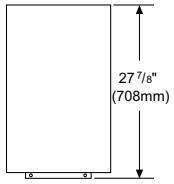
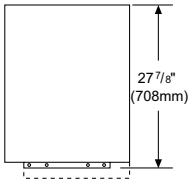
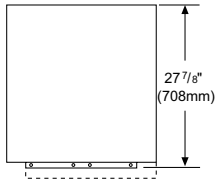
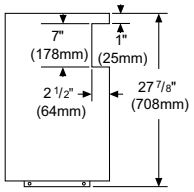
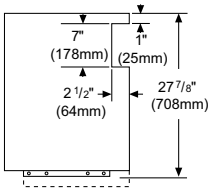
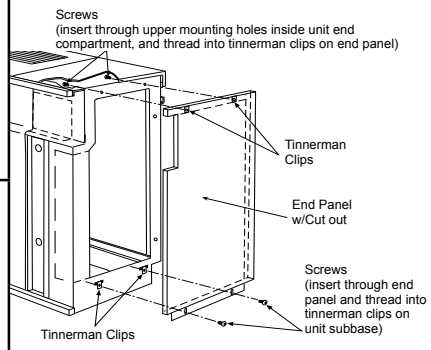
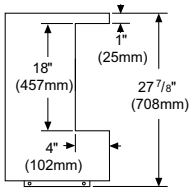
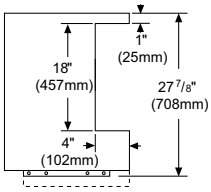
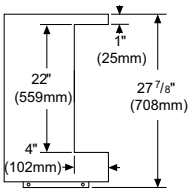
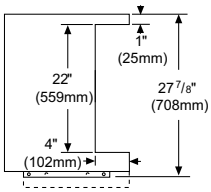
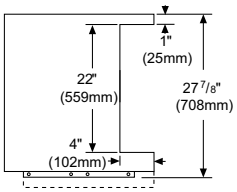
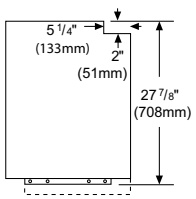
Certified Drawing	AVS-V-R-B-1in-051
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **End Panel Dimen.** Date: **May 2018**

Daikin Classroom Floor Unit Ventilator 1" End Panel & Enclosure Application Models AVS, AVV, AVR & AVB

Available in: (Check one that applies)

☐ Antique Ivory ☐ Putty Beige ☐ Cupola White
☐ Off White ☐ Soft Gray

Table 1: 1" (25 mm) End Panel Dimensions (Check one that applies)

	16-5/8" (422mm) Deep End Panel	21-7/8" (556mm) Deep End Panel	28" (711mm) Deep End Panel
Top View			
End View With No Cut-out			
End View With 2-1/2" x 7" (64mm x 178mm) Cut-out			
End View With 4" x 18" (102mm x 457mm) Cut-out			
End View With 4" x 22" (102mm x 559mm) Cut-out			
End View With 2" x 5-1/4" (51mm x 133mm) Step Down			

DAIKIN

Certified Drawing	AVV-024J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **Basic Unit Data** Date: **May 2018**

Daikin Classroom Floor Unit Ventilator Model AVV (J Vintage)

Standard Features

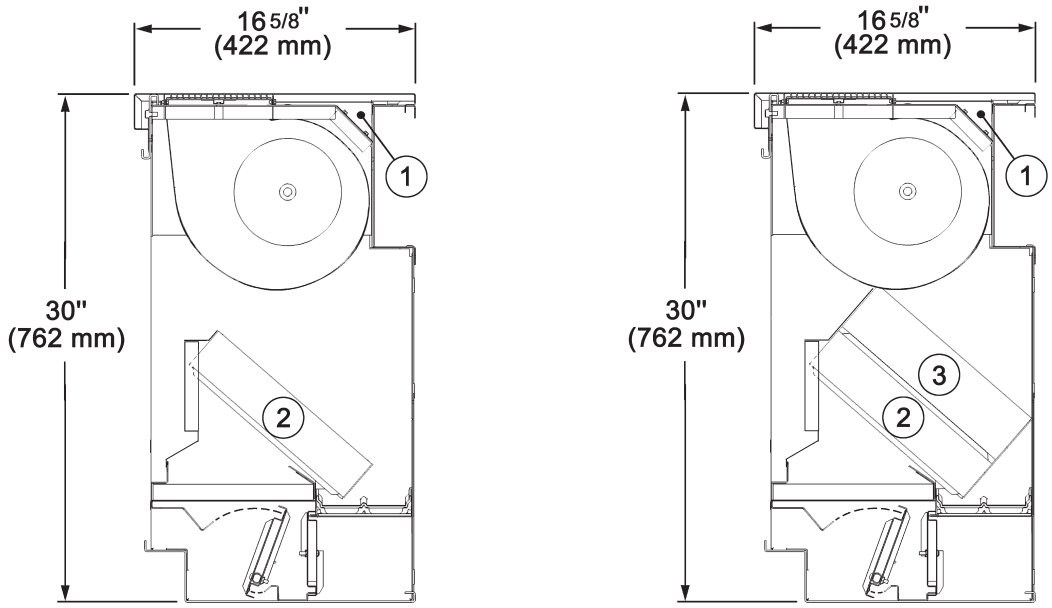
- UL/cUL listed.
- AHRI Certified chilled water performance. Unit ventilation rate certified and tested per Air Conditioning, Heating and Refrigeration Institute (AHRI) standard 840.
- Institutional quality cabinet with durable, textured, charcoal bronze paint finish on top surface. Oven baked powder paint on all other exterior panels.
- Welded chassis constructed from galvanized steel.
- Two, top hinged doors for access.
- Removable bar discharge grille.
- Three individual front access panels provided for ease of maintenance and service.
- All access panels have positive positioning threaded fasteners operated with 5/32" hex wrench.
- Insulated unit back.
- Built in pipe tunnel.
- Leveling legs.
- Rigid, double wall, insulated outdoor air damper made from welded galvanized steel, with mohair end and damper seals in turned over edges.
- Galvanized steel drain pan (optional stainless steel). Connection handing is field reversible and direction of slant can be field modified.
- Room air fan shaft have oilable sleeve bearings for quietness and long life.
- Low speed room air fan constructed of injection molded polypropylene for precise, smooth, quiet performance.
- Energy efficient 1⁄4 H.P. permanent split capacitor (PSC) plug-in room air fan motor fits all size units. Located out of air stream.
- Available 1/3 H.P. Electrically Commutated Motor (ECM) available for applications with External Static Pressures (ESP) up to 0.45 (112 Pa).
- UL listed individual fusing of fan motor and controls.
- PSC and EC motor speed controlled by multi-tap transformer, high-medium-low-off speeds. Optional variable speed ECM.
- MicroTech® Controls (Optional) – State of the art MicroTech unit controller is a stand alone microprocessor based DDC control device that is pre-engineered, pre-programmed, pre-tested and factory installed. It provides correct sequence of operations and the advantage of one source responsibility.
- Steam coils equipped with vacuum breaker.
- Manual air vent and drain plug on water coils.
- Throwaway filter(s) factory installed in unit.
- Heating only units can be adapted for future air conditioning.

Table 1: Physical Data

			S07 / H07 / V07	S10 / H10 / V10	S13 / H13 / V13	S15 / H15 / V15
Nominal Airflow CFM (L/s)			**750 (340)**	**1000 (472)**	**1250 (590)**	**1500 (708)**
Fan Data	**Number of Fans:**		2	3	4	4
	Size	**Diameter - in (mm)**	8.12 (206mm)	8.12 (206mm)	8.12 (206mm)	8.12 (206mm)
		Width- in (mm)	8.25 (210mm)	8.25 (210mm)	8.25 (210mm)	8.25 (210mm)
Filter Data	**Nominal Size**	**in**	10 x 36-1/2 x 1	10 x 48-1/2 x 1	10 x 60-1/2 x 1	10 x 36-1/2 x 1
		(mm)	254 x 927 x 25	254 x 1232 x 25	254 x 1537 x 25	254 x 927 x 25
	Area - Ft^2 (m^2)		2.54 (.24)	3.37 (.31)	4.2 (.39)	5.08 (.47)
	Quantity:		1	1	1	2
Shipping Weight	**16-5/8" Deep Units**		350 (168)	425 (193)	495 (225)	570 (259)
	21-7/8" Deep Units		370 (163)	445 (202)	525 (238)	600 (272)
Coil Water Volume Gallons (Liters)	**1 Row Coil**		0.25 (0.95)	0.31 (1.17)	0.38 (1.44)	0.44 (1.67)
	2 Row Coil		0.45 (1.70)	0.57 (2.16)	0.69 (2.61)	0.82 (3.10)
	3 Row Coil		0.64 (2.42)	0.82 (3.10)	1.01 (3.82)	1.19 (4.50)
	4 Row Coil		0.83 (3.14)	1.08 (4.09)	1.32 (5.00)	1.57 (5.94)
	5 Row Coil		1.03 (3.90)	1.34 (5.07)	1.64 (6.21)	1.95 (7.38)

Dimensional Data

AVV Unit Cross Sections
Valve Control

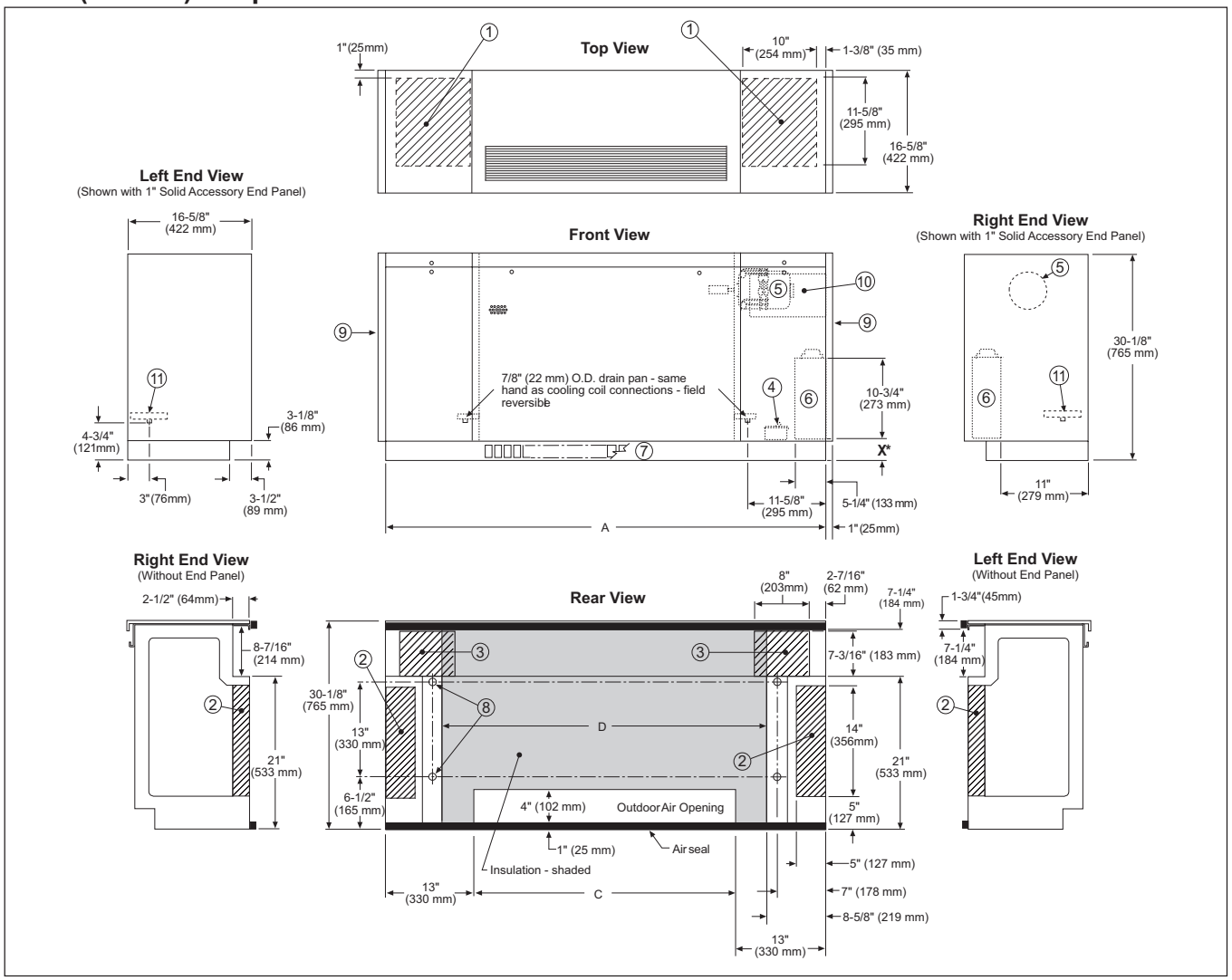


Single Coil Units	Two Coil Units	
1 Raceway for factory wiring 2 Hot Water, Steam, Chilled Water, CW/HW (2-pipe), Direct Expansion, Electric Heat	**Direct Expansion Units (DX)** 1 Raceway for factory wiring 2 Direct Expansion 3 Steam or Electric Heat 2 Hot Water 3 Direct Expansion	**Chilled Water Units** 1 Raceway for factory wiring 2 Hot Water 3 Chilled Water 2 Chilled Water 3 Electric Heat or Steam

Certified Drawing	AVV-026J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator**
	Type: **Inlet Air Arrange.**
	Date: **May 2018**

Daikin Classroom Floor Unit Ventilator Model AVV (J Vintage) Arrangement AL – Open Pipe Tunnel

16⅝" (422mm) Deep Floor Unit – Dimensions

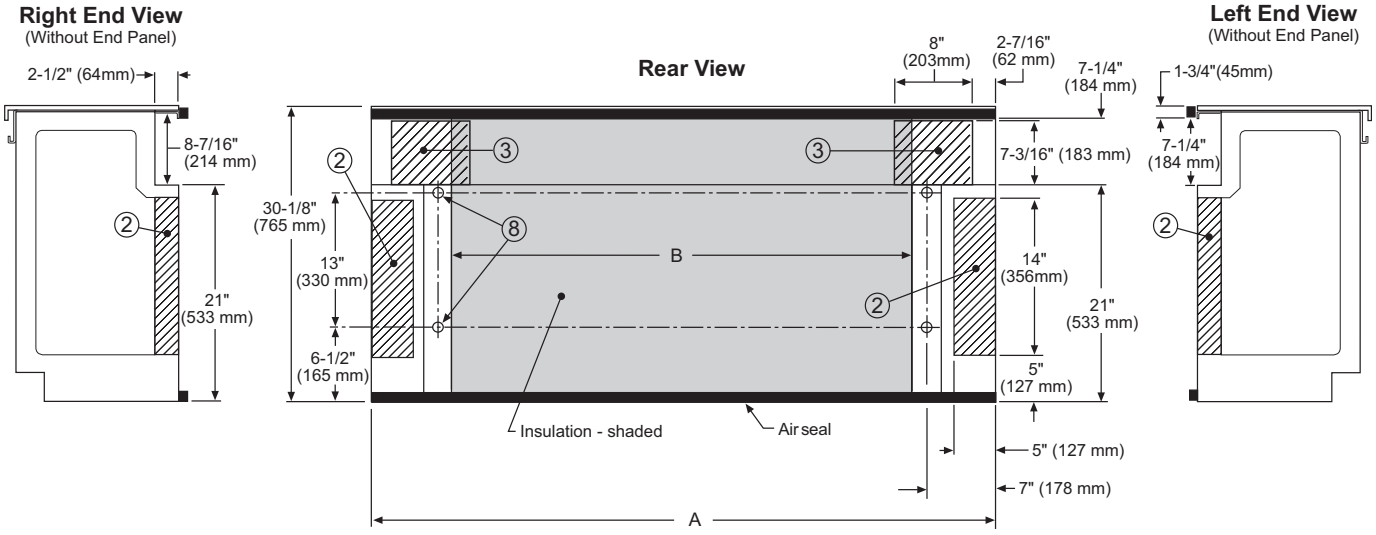


Unit Size	Dimensions in inches (mm)		
	A	B	C
S07, H07, V07	62 (1575)	43 (1092)	36 (914)
S10, H10, V10	74 (1880)	55 (1397)	48 (1219)
S13, H13, V13	86 (2184)	67 (1702)	60 (1524)
S15, H15, V15	98 (2489)	79 (2007)	72 (1829)

Drawing Notes (①, *, etc.)

1 Bottom entry within 10" x 11-5/8" (254 mm x 295 mm) area
2 Rear entry area 14" x 5" (356 mm x 127 mm).
3 Opening between pipe tunnel & end compartment.
4 Disconnect Switch for main power wiring.
5 Fan motor.
6 Electrical connection box.
7 Slotted kickplate for return air arrangements; partially open kickplate for draftstop arrangements.
8 (4) - 7/8" (22 mm) diameter holes in back for anchoring unit to wall.
9 Accessory panels not included with unit, order separately as an accessory.
10 Controls location (MicroTech® units only).
11 Galvanized drain pan (optional stainless steel).
X = 3.88" for units with MicroTech controls. X = 14.43" for all other control options.

Open Pipe Tunnel, Recirculation Room Air – No Outside Air Damper (OA/RA Code 24)



Unit Size	Dimensions in inches (mm)	Drawing Notes (②, *, etc.)
	A	2 Rear entry area 14" x 5" (356 mm x 127 mm). 3 Opening between pipe tunnel & end compartment. 8 (4) - 7/8" (22 mm) diameter holes in back for anchoring unit to wall.
S07, H07, V07	62 (1575)	
S10, H10, V10	74 (1880)	
S13, H13, V13	86 (2184)	
S15, H15, V15	98 (2489)	

Certified Drawing	AVS-V-R-B-1in-051
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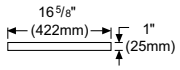
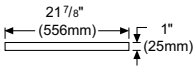
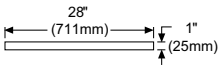
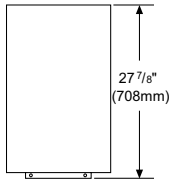
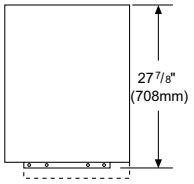
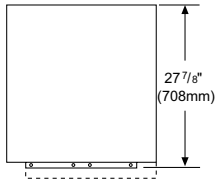
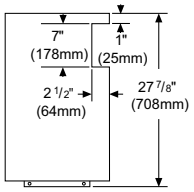
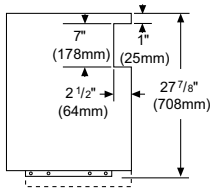
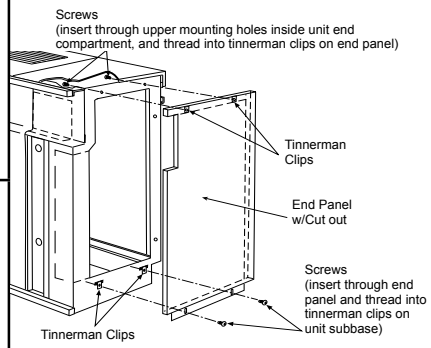
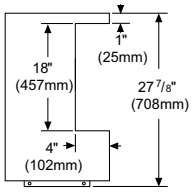
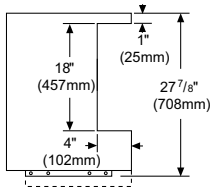
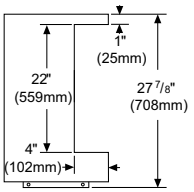
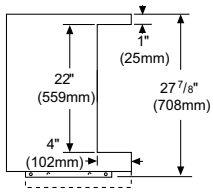
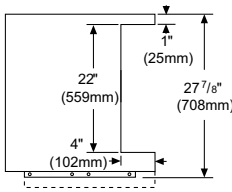
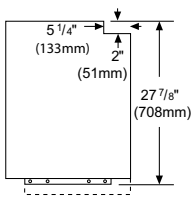
Daikin Classroom Floor Unit Ventilator 1" End Panel & Enclosure Application Models AVS, AVV, AVR & AVB

Available in: (Check one that applies)

☐ Antique Ivory ☐ Putty Beige ☐ Cupola White
☐ Off White ☐ Soft Gray

Table 1: 1" (25 mm) End Panel Dimensions (Check one that applies)

	16-5/8" (422mm) Deep End Panel	21-7/8" (556mm) Deep End Panel	28" (711mm) Deep End Panel
Top View			
End View With No Cut-out			
End View With 2-1/2" x 7" (64mm x 178mm) Cut-out			
End View With 4" x 18" (102mm x 457mm) Cut-out			
End View With 4" x 22" (102mm x 559mm) Cut-out			
End View With 2" x 5-1/4" (51mm x 133mm) Step Down			

Certified Drawing	AVV-HC-025J
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Daikin Classroom Floor Unit Ventilator Model AVV (J Vintage)

Model Nomenclature - Coil Connection Locations

Code Designation & Description: **U** **AVV** **6** **S10** **A** **U[1]** **65** **A**

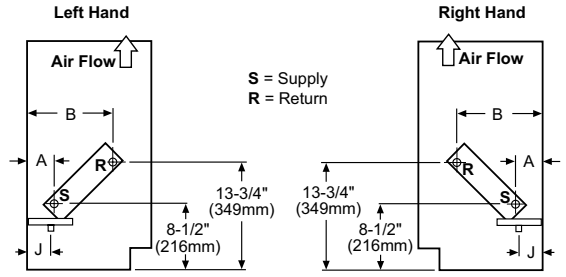
Code Item: **1** **2** **3** **4** **5** **6** **7** **8**

Category	Code Item	Code Option	Code Designation & Description			
Product Category	1	1	U	Unit Ventilators		
Model Type	2	2-4	AVV	Floor, Valve Control		
Design Series	3	5	9	Design J		
Motor Type	4	6	S	PSC Motor, 3-Speed	V	EC Motor, Variable Airflow
			H	EC Motor, 3-Speed		
Nominal Capacity		7-8	07	750 CFM	13	1250 CFM
			10	1000 CFM	15	1500 CFM
Voltage	5	9	A	115/60/1	D	208/60/3
			C	208/60/1	H	230/60/3
			G	230/60/1	K	460/60/3
			J	265-277/60/1		
Coil Options	6	10	U [1]	2 Row CW/HW 2 pipe	V [5]	2 Row CW
	Numerical codes [#] include optional stainless steel drain pan.		D [2]	3 Row CW/HW 2 pipe	S [6]	3 Row CW
			E [3]	4 Row CW/HW 2 pipe	W [7]	4 Row CW
			F [4]	5 Row CW/HW 2 pipe	Y [8]	5 Row CW
			G [9]	DX	Z	None
Heating Options	7	11-12	12	3 Element Low Cap. Electric Heat	68	Steam Low Cap.
			13	6 Element Low Cap. Electric Heat	69	Steam High Cap.
			65	1 Row HW	78	Opposite End Steam Low Cap.
			66	2 Row HW	79	Opposite End Steam High Cap.
			67	3 Row HW	00	None
Hand Orientation	8	13	A	Same Hand LH	E	LH Heating/RH Cooling
			B	Same Hand RH	F	RH Heating/LH Cooling
			D	RH Electric Heat Only	R	Single Coil Left Hand
			G	RH Electric Heat / LH Cool	S	Single Coil Right Hand

Coil Connection Locations- Heat/Cool

Chilled Water / Hot Water (2-pipe) Unit

☐ Coils U[1], D[2], E[3], F[4]

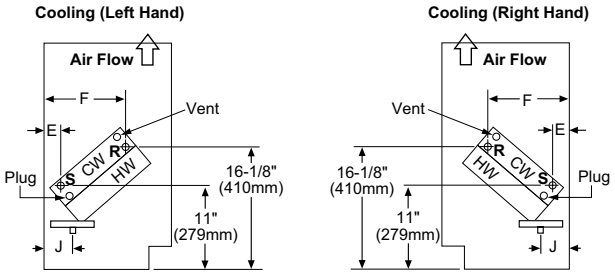


Notes:

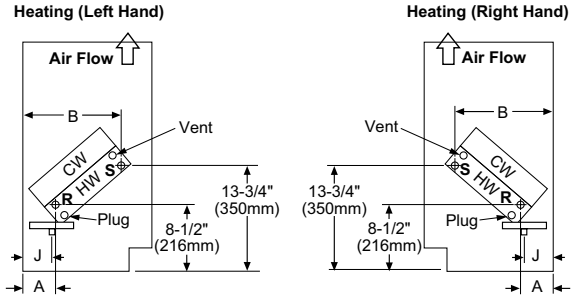
1. *For units with 5-row coil (F or Y) add .55" to return connection dimensions shown and .75" to the dimensions shown for supply connection.*
2. *Numerical codes [#] denote optional stainless steel drain pan (cooling coils).*
3. *All coils have same end supply and return connections.*
4. *Cooling condensate drain pan is shipped sloped down towards the cooling coil connections but is field reversible.*
5. *For limitations with coil combinations see Table 4 on page 4.*
6. *Coil connections are 7⁄8" I.D. (female) and terminate 9" (229mm) from the end of the unit.*
7. *All dimensions are approximated.*

Chilled Water and Hot Water Unit

☐ Cooling Coils V[5], S[6], W[7], Y[8]

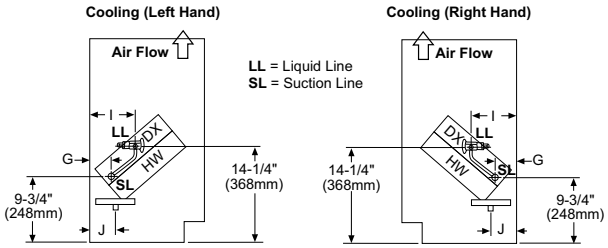


☐ Heating Coils 65, 66, 67

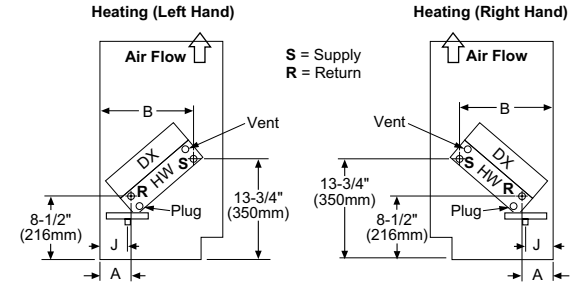


Direct Expansion and Hot Water Unit

☐ Cooling Coils G[9]

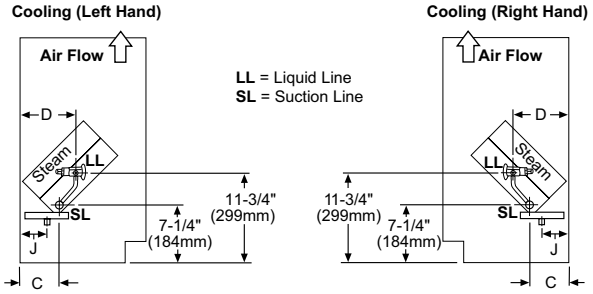


☐ Heating Coils 65, 66, 67

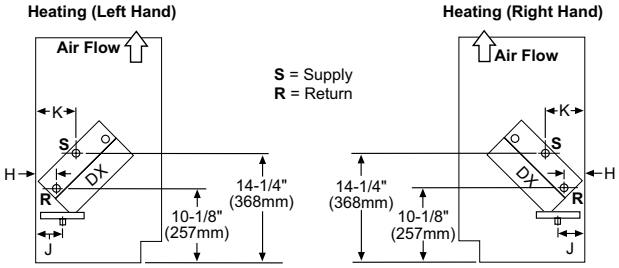


Direct Expansion and Steam Unit

☐ Cooling Coils G[9]



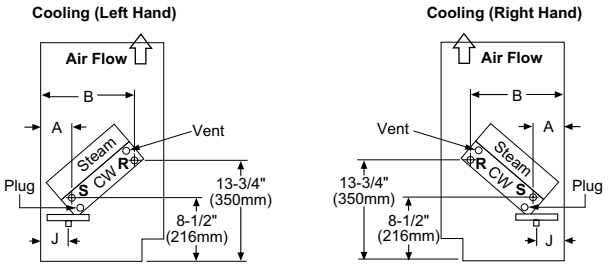
☐ Heating Coils 68, 69, 78, 79



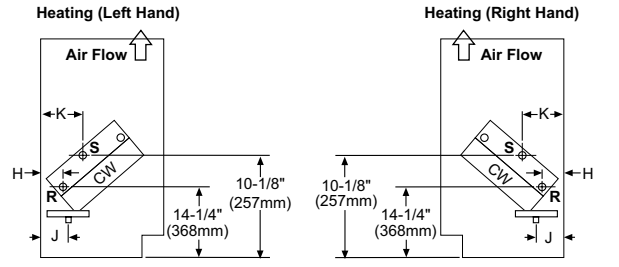
Note: *For opposite end drain steam coils (code 78, 79) Return (R) is 7¼" (184mm) from bottom of unit and (H) 2" (51mm) from the back of unit.* ***Unless otherwise noted, LH and RH connections are the same.***

Chilled Water and Steam Unit

☐ Cooling Coils V[5], S[6]



☐ Heating Coils 68, 69, 78, 79



Note: *For opposite end drain steam coils (code 78, 79) Return (R) is 7¼" (184mm) from bottom of unit and (H) 2" (51mm) from the back of unit.* ***Unless otherwise noted, LH and RH connections are the same.***

Notes: *1. For opposite end drain steam coils (code 78, 79) Return (R) is 7¼" (184mm) from bottom of unit and (H) 2" (51mm) from the back of unit.* ***Unless otherwise noted, LH and RH connections are the same.***

2. Steam coils have a factory installed pressure equalizing valve and a 24" (610mm) long pressure equalizing line which terminates in a ½" M.P.T. fitting.

3. Steam/hot water connections may be same end as cooling coil connections, but they are recommended to be opposite end to facilitate piping. (Must be opposite end when using MicroTech® controls.)

4. Electric heating coil power connections are right end only. Junction box has 1"(25mm) and 2" (51mm) (trade size) knockouts, 10-½" (267mm) from right end of the unit.

5. For limitations with coil combinations see Table 4 on page 4.

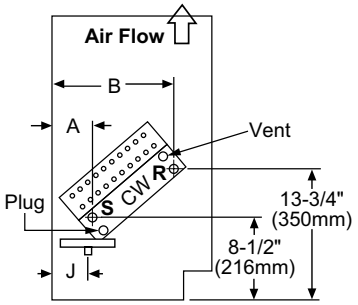
6. Steam coils are 1-⅛" female (sweat) connections and terminate 9" (229mm) from the end of the unit.

7. DX coils (G) have O.D. sweat connections Interconnecting tube by others. See table 3 for correct tubing size.

Chilled Water and Electric Heating Coils

☐ Chilled Water (1st Position) and Electric Heating (Cooling Coils V[5], S[6], W[7]), (Heating Coils 12, 13)

Cooling (Left Hand)



Direct Expansion and Electric Heating Coils

☐ Direct Expansion (1st Position) and Electric Heating (Cooling Coils G[9]), (Heating Coils 12, 13)

Cooling (Left Hand)

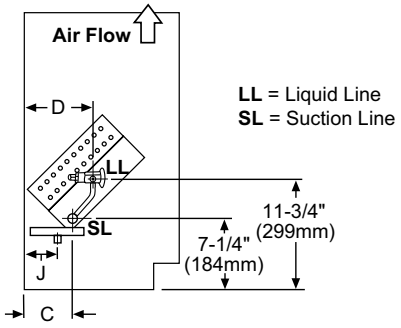


Table 1: Coil Water Capacities (Gallons/Liters)

Coil Rows	Unit Series				
	S07, H07, V07	S10, H10, V10	S13, H13, V13	S15, H15, V15	S20, H20, V20
	Gallons (Liters)				
1 Row Coil	0.25 (0.95)	0.31 (1.17)	0.38 (1.44)	0.44 (1.67)	0.44 (1.67)
2 Row Coil	0.45 (1.70)	0.57 (2.16)	0.69 (2.61)	0.82 (3.10)	0.82 (3.10)
3 Row Coil	0.64 (2.42)	0.82 (3.10)	1.01 (3.82)	1.19 (4.50)	1.19 (4.50)
4 Row Coil	0.83 (3.14)	1.08 (4.09)	1.32 (5.00)	1.57 (5.94)	1.57 (5.94)
5 Row Coil	1.03 (3.90)	1.34 (5.07)	1.64 (6.21)	1.95 (7.38)	1.95 (7.38)

Table 2: Coil Connection Dimensions For Lettered Values

Unit Depth		Dimensions										
		A	B	C	D	E	F	G	H	I	J	K
in.	16-5/8	3-3/4	12-1/4	4-7/8	7-3/4	1-5/8	10-1/8	2-3/4	2-7/8	5-5/8	3	5
mm	422	95	311	124	198	41	257	70	73	143	76	127
in.	21-7/8	9	17-1/2	10-1/8	13	6-7/8	15-3/8	8	8-1/8	10-7/8	8-1/4	10-1/4
mm	556	229	445	257	330	175	391	203	206	276	210	260

Table 3: Direct Expansion (DX) Coil G[9] Connection Tubing

Unit Series	S07, H07, V07		S10, H10, V10		S13, H13, V13		S15, H15, V15	
	in	mm	in	mm	in	mm	in	mm
Suction Line OD:	3/4	19	3/4	19	7/8	22	7/8	22
Liquid LIne OD:	1/4	6.35	1/4	6	3/8	10	3/8	10

Table 4: Heat/Cool Position/Combinations in Air Stream (one coil per position)

Heat/Cool		Model AVV – Valve Control	
First Position In Airstream	**Second Position In Airstream**	**Basic Valve Control**	**Electric Heat/Cool**
U, D, E, F, 1, 2, 3, 4	00	•	
65	V, S, W, Y, G, 5, 6, 7, 8, 9	•	
66	V, S, W, G, 5, 6, 7, 9	•	
67	V, S, G, 5, 6, 9	•	
V, S, G, 5, 6, 9	68, 69, 78, 79	•	
V, S, W, G, 5, 6, 7, 9	12, 13		•

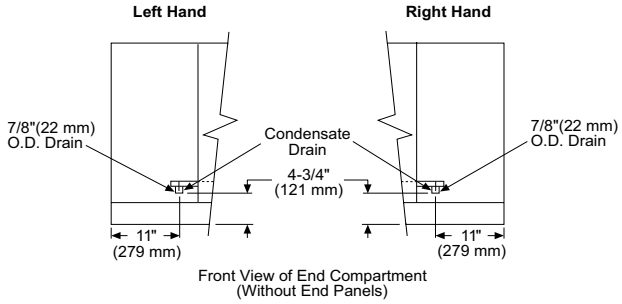
• = Available

Cooling Coils:
U or [1] = 2 Row CW/HW 2-Pipe Coil
D or [2] = 2 Row CW/HW 2-Pipe Coil
E or [3] = 4 Row CW/HW 2-Pipe Coil
F or [4] = 5 Row CW/HW 2-Pipe Coil
V or [5] = 2 Row CW Coil
S or [6] = 3 Row CW Coil
W or [7] = 4 Row CW Coil
Y or [8] = 5 Row CW Coil
G or [9] = Direct Expansion Coil

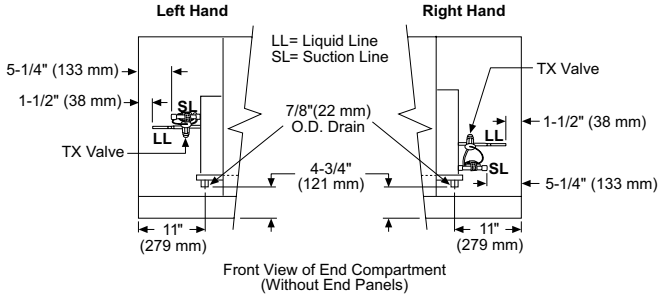
Heating Coils:
65 = 1 Row Hot Water Coil
66 = 2 Row Hot Water Coil
67 = 3 Row Hot Water Coil
68 = Low Capacity Steam Coil
69 = High Capacity Steam Coil
78 = Opposite End Drain Low Capacity Steam Coil
79 = Opposite End Drain High Capacity Steam Coil
12 = Low Electric Heat Coi
13 = High Electric Heat Coil
00 = None

Note: *Numerical codes [#] denote optional stainless steel drain pan (cooling coils).*

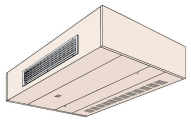
Condensate Drain Location



Condensate Drain and DX Coil Connections



Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-Server Rm



Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAHV9H07	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Horizontal, Ceiling Mounted, Front Discharge, Double Deflection Grille, Bottom Grille Return Air, Top Duct Collar OA	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
36.00 in	64.00 in	16.62 in	385 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	750	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
24500	15300	80.0	67.0	61.2	56.5

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	4.90	5.79

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
51988	70.0	133.9	180.0	128.0

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.73

Filter

Type

Quantity and Dimensions:	(1) 10 in x 36 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

AHRI Certification

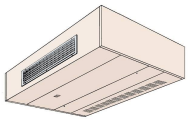
Certified in accordance with the AHRI Unit Ventilator Certification Program, which is based on AHRI Standard 840/841. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

Accessories

Part Number	Description
GCA302048	Flanges for 36" Length Unit (w/Plenum) H07

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-020A



Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAHV9H13	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Horizontal, Ceiling Mounted, Front Discharge, Double Deflection Grille, Bottom Grille Return Air, Top Duct Collar OA	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
36.00 in	88.00 in	16.62 in	540 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1250	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
43295	28699	80.0	67.0	58.8	55.8

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	8.66	6.67

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance				
Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60881	70.0	114.9	180.0	119.1

Fluid		
Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.35

Filter

Type	
Quantity and Dimensions:	(1) 10 in x 60 in x 1 in

Warranty

Type	
Warranty:	Standard 1 year parts warranty.

AHRI Certification

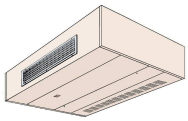
Certified in accordance with the AHRI Unit Ventilator Certification Program, which is based on AHRI Standard 840/841. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

Accessories

Part Number	Description
GCA502048	Flanges for 36" Length Unit (w/Plenum) H/S13

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-020B



Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAHV9H13	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Horizontal, Ceiling Mounted, Front Discharge, Double Deflection Grille, Bottom Grille Return Air, Top Duct Collar OA	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
36.00 in	88.00 in	16.62 in	540 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1250	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
43295	28699	80.0	67.0	58.8	55.8

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	8.66	6.67

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance				
Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
60881	70.0	114.9	180.0	119.1

Fluid		
Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.35

Filter

Type	
Quantity and Dimensions:	(1) 10 in x 60 in x 1 in

Warranty

Type	
Warranty:	Standard 1 year parts warranty.

AHRI Certification

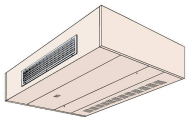
Certified in accordance with the AHRI Unit Ventilator Certification Program, which is based on AHRI Standard 840/841. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

Accessories

Part Number	Description
GCA502048	Flanges for 36" Length Unit (w/Plenum) H/S13

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-021



Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAHV9H15	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Horizontal, Ceiling Mounted, Front Discharge, Double Deflection Grille, Bottom Grille Return Air, Top Duct Collar OA	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
36.00 in	100.00 in	16.62 in	620 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	12.0 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1500	0.00	0.750	9.60

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
56741	37112	80.0	67.0	57.2	54.6

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	11.35	8.61

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance				
Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
61384	70.0	107.7	180.0	118.6

Fluid		
Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.26

Filter

Type	
Quantity and Dimensions:	(2) 10 in x 36 in x 1 in

Warranty

Type	
Warranty:	Standard 1 year parts warranty.

AHRI Certification

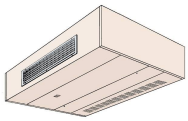
Certified in accordance with the AHRI Unit Ventilator Certification Program, which is based on AHRI Standard 840/841. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

Accessories

Part Number	Description
GCA602048	Flanges for 36" Length Unit (w/Plenum) H/S15/20

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-105



Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAHV9H10	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Horizontal, Ceiling Mounted, Front Discharge, Double Deflection Grille, Bottom Grille Return Air, Top Duct Collar OA	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
36.00 in	76.00 in	16.62 in	465 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1000	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
35619	23309	80.0	67.0	58.5	55.4

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	7.12	6.27

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance				
Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
58839	70.0	124.2	180.0	121.2

Fluid		
Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.48

Filter

Type	
Quantity and Dimensions:	(1) 10 in x 48 in x 1 in

Warranty

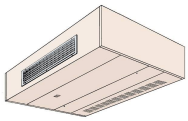
Type	
Warranty:	Standard 1 year parts warranty.

AHRI Certification

Certified in accordance with the AHRI Unit Ventilator Certification Program, which is based on AHRI Standard 840/841. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

Job Information	*Technical Data Sheet*
Job Name	Kings Mountain High School UV
Date	1/11/2023
Submitted By	Brian Milbourne
Software Version	08.50
Unit Tag	UV-110



Unit Overview

Model Number	Model Type	Cooling Coil Type	Heating Coil Type
UAHV9H10	Valve Control	2-Pipe CW / HW	2-Pipe CW / HW
Arrangement	**Control Type**	**Cooling Coil Hand**	**Heating Coil Hand**
Horizontal, Ceiling Mounted, Front Discharge, Double Deflection Grille, Bottom Grille Return Air, Top Duct Collar OA	Field Mounted Controls (By Others)	Left Hand Cooling	Left Hand Heating

Physical

Unit Length	Unit Depth	Unit Height	Weight
36.00 in	76.00 in	16.62 in	465 lb

Electrical

Voltage	Minimum Voltage	Maximum Voltage	Total Unit MCA	Maximum Fuse Size
115/60/1 V/Hz/Phase	104 V	126 V	6.3 A	15 A

Fan

Performance

Fan Motor	Speed	Air Volume CFM	External Static Pressure inH_2O	Motor Power HP	Fan Full Load Current A
ECM, 3-Speed	High	1000	0.00	0.333	5.00

Chilled Water Coil

Performance

Capacity		Air Temperature			
		Entering		Leaving	
Total Btu/hr	Sensible Btu/hr	Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F
35619	23309	80.0	67.0	58.5	55.4

Number of Rows	Fluid				
	Temperature		Type	Flow Rate gpm	Pressure Drop ft H_2O
	Entering °F	Leaving °F			
4	45.0	55.0	Water	7.12	6.27

Fluid Connections

Supply	Return	Condensate
7/8 inch	7/8 inch	7/8 inch

Hot Water Coil

Performance

Total Capacity Btu/hr	Air Temperature Dry Bulb		Fluid Temperature	
	Entering °F	Leaving °F	Entering °F	Leaving °F
58839	70.0	124.2	180.0	121.2

Fluid

Type	Flow Rate gpm	Pressure Drop ft H_2O
Water	2.00	0.48

Filter

Type

Quantity and Dimensions:	(1) 10 in x 48 in x 1 in

Warranty

Type

Warranty:	Standard 1 year parts warranty.

AHRI Certification

Certified in accordance with the AHRI Unit Ventilator Certification Program, which is based on AHRI Standard 840/841. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

Notes

Accessories

Part Number	Description
GCA402048	Flanges for 36" Length Unit (w/Plenum) H/S10

Certified Drawing	AHV-36-152J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator**
	Type: **Basic Unit Data**
	Date: **May 2018**

Daikin Classroom Model AHV 36" Deep Ceiling Unit Ventilator – Arrangements AT & AH – Front Discharge, Series H07, H10, H13, H15, V07, V10, V13, V15

Standard Features

- UL/cUL listed
- AHRI Certified chilled water performance. Unit ventilation rate certified and tested per Air Conditioning, Heating and Refrigeration Institute (AHRI) standard 840..
- Institutional quality cabinet with durable, baked alkyd enamel paint finish on exterior panels and discharge grille. (Double deflection grilles have clear anodized aluminum finish).
- Welded chassis constructed from galvanized steel
- Three bottom panels, two of which are hinged, for ease of service access and handling. Single panel access to filter and controls.
- Removable bar discharge grille (AT & FG - arrangement).
- All access panels have positive positioning threaded fasteners operated with 5/32" hex wrench
- Anti blow through room air damper.
- Rigid, double wall, insulated outdoor air damper made from welded galvanized steel, with mohair end and damper seals in turned over edges.
- Standard galvanized or optional stainless steel drain pan. Drain pan connections C/L located 4"(10mm) above unit bottom. Hand of connection and direction of slope is field selectable.
- Room air fan shaft have oilable sleeve bearings for quietness and long life.
- Low speed room air fan constructed of injection molded polypropylene for precise, smooth, quiet performance.
- Electrically Commutated Motor (ECM) available for applications with External Static Pressures (ESP) up to 0.45 (112 Pa).
- UL/cUL listed individual fusing of fan motor and controls.
- EC motor controlled for 3 speeds, high-medium-low and off. Optional variable speed motor available.
- MicroTech® controls (optional) state of the art "MicroTech" unit controller is a stand alone microprocessor based DDC control device that is pre-engineered, pre-programmed, pre-tested and factory installed. It provides correct sequence of operations and the advantage of one source responsibility.
- Steam coils equipped with vacuum breaker.
- Manual air vent and drain plug on water coils.
- Throwaway filter(s) factory installed in unit.
- Heating only units can be adapted for future air conditioning.

Physical Data

Unit Series				H07 / V07	H10 / V10	H13 / V13	H15 / V15
Nominal Airflow - cfm (L/s)				750 (354)	1000 (472)	1250 (590)	1500 (708)
Fan Data	Number of Fans			2	3	4	4
	Size	Dia. in. (mm)		8.12 (206)	8.12 (206)	8.12 (206)	8.12 (206)
		Width - in. (mm)		8.25 (210)	8.25 (210)	8.25 (210)	8.25 (210)
Filter Data	(Qty) Size	in. (Nominal)		(1) 10 x 36½ x 1	(1) 10 x 48½ x 1	(1) 10 x 60½ x 1	(2) 10 x 36½ x 1
		(mm)		254 x 927 x 25	254 x 1232 x 25	254 x 1537 x 25	254 x 927 x 25
	Area	Ft.^{2} (m^2)		2.54 .24)	3.37 (.31)	4.2 (.39)	5.08 (.47)
*Approx. Shipping Weight lb. (kg)	Discharge Air Arrangement		AT, AH	385 (179)	465 (211)	540 (245)	620 (281)
Coil Water Volume Gal. (Ltrs)	1-Row Coil			.25 (0.95)	.31 (1.17)	.38 (1.44)	.44 (1.67)
	2-Row Coil			.45 (1.70)	.57 (2.16)	.69 (2.61)	.82 (3.10)
	3-Row Coil			.64 (2.42)	.82 (3.10)	1.01 (3.82)	1.19 (4.50)
	4-Row Coil			.83 (3.14)	1.08 (4.09)	1.32 (5.00)	1.57 (5.94)
	5-Row Coil			1.03 (3.90)	1.34 (3.90)	1.64 (6.21)	1.95 (7.38)

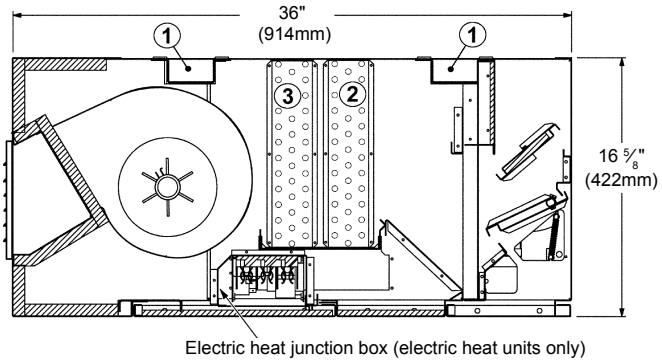
* Approximate weights based on Face & Bypass damper controlled unit with 4-row cooling coil, 2-row hot water coil and MicroTech® Controls.

DAIKIN

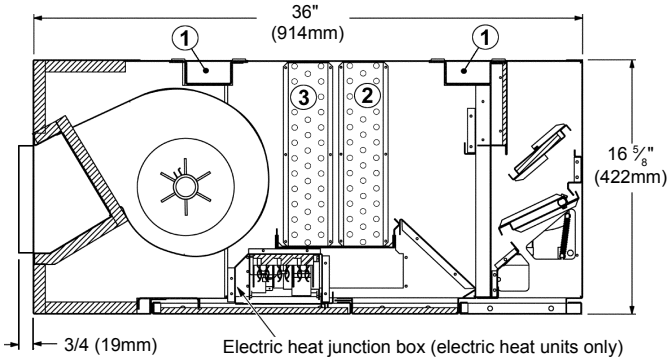
Daikin Classroom Model AHV 36" Deep Ceiling Unit Ventilator – Arrangements AT & AH – Front Discharge, Series H07, H10, H13, H15, V07, V10, V13, V15

Unit Cross Sections

Arrangement AT - Double Deflection Grille



Arrangement AH - Duct Collar



Valve Control

Single Coil Unit

(1) Raceway for factory wiring (Single & two coil unit)
(2) Hot Water, Chilled water or CW/HW (2-pipe), None
(3) None, Steam

Two Coil Units

(2) Hot water
(3) Chilled water or Direct expansion

(2) Chilled water or Direct expansion
(3) Electric or Steam

Duct System Considerations

Duct Design for Noise and Vibration Control

Proper acoustics is often a design requirement for schools. Most of the problems that are associated with HVAC generated sound can be avoided by properly selecting and locating the components of the system. There are some general do's and don'ts:

The following suggestions are required to reduce the amount of sound and noise due to vibration that reaches the occupied room:

- Use flexible duct connections.
- Make the discharge duct the same size as the unit discharge opening for the first five feet.
- Line the first 5 feet of the supply duct.
- Make two 90-degree turns in the supply and return ducts.
- Keep duct velocity low and follow good duct design procedures.
- Mount and support the ductwork independent of the unit.
- Line the first five feet of the return duct.
- Locate the return air intake away from the unit discharge.
- Provide multiple discharges.
- Restrict use of high pressure drop flexible ducting.
- Size the outdoor air and return air ducts to handle 100% of the total cfm to accommodate economizer or morning warm-up operation.

NOTICE

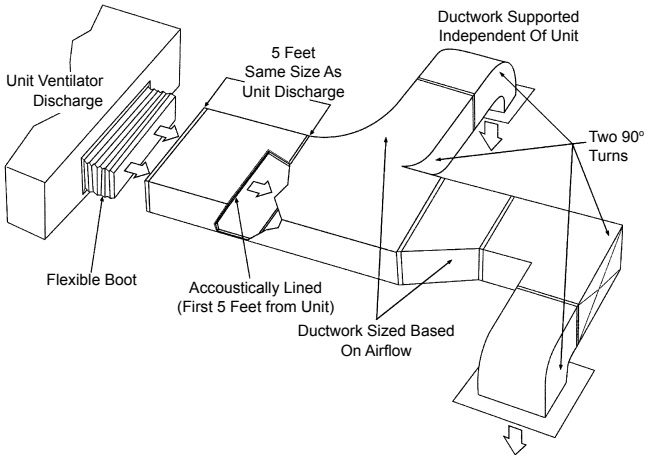
If a supply air duct with improper duct work is placed too close to the unit discharge, it will result in substantial noise. Avoid such forms of connections when designing ductwork where sound attenuation is critical. The following illustrations show suggested duct considerations per SMACNA and ASHRAE.

Sound control applies to the return side of the duct design as well as the supply side. The bottom-right illustration suggests installation of a intake/return-air duct. Note the return air opening, the sizing and changes in direction of the ductwork. The outdoor air intake and insulated duct work illustration on the next page suggests installation of outside air ducting.

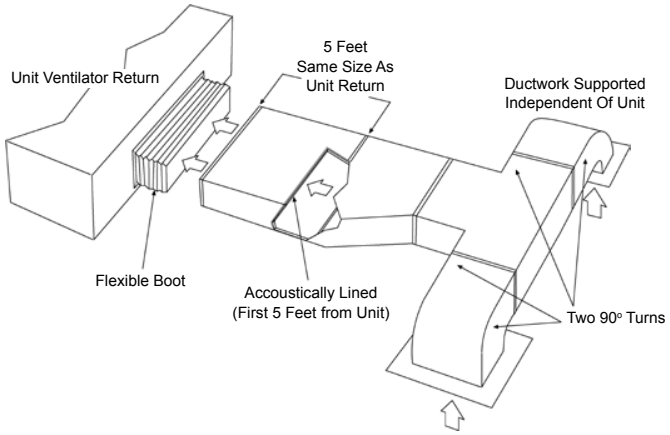
NOTICE

These are general suggestions and offered only to stress their importance; however, there are additional important factors that must be considered. Assistance in the design of ductwork can be found in the ASHRAE Handbook and SMACNA publications, as well as other recognized authorities.

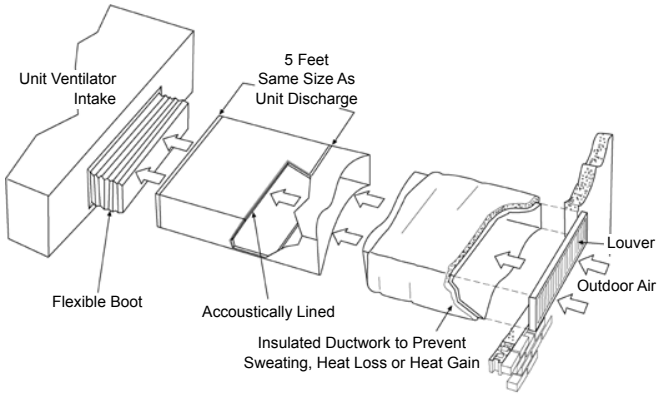
Discharge Air Duct Work



Intake/Return Air Duct Work



Outdoor Air Intake and Insulated Duct Work



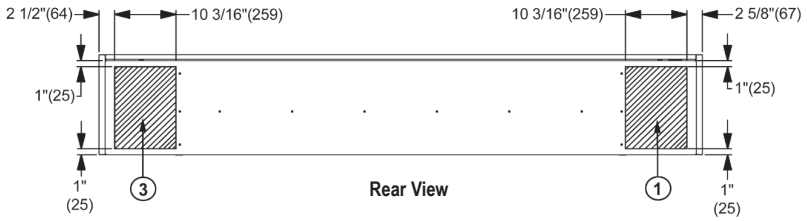
Certified Drawing	AHV-AT36-109J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator**
	Type: **Inlet Air Arrangement**
	Date: **May 2018**

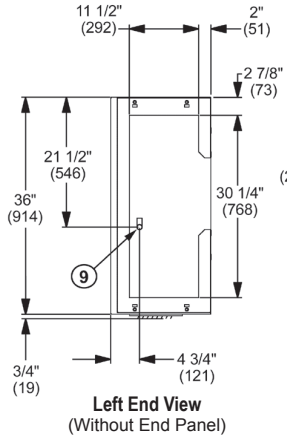
Daikin Classroom Ceiling Unit Ventilator

Model AHV – Air Arrangement AT – 36" Deep Unit Front Discharge With Double-Deflection Grille

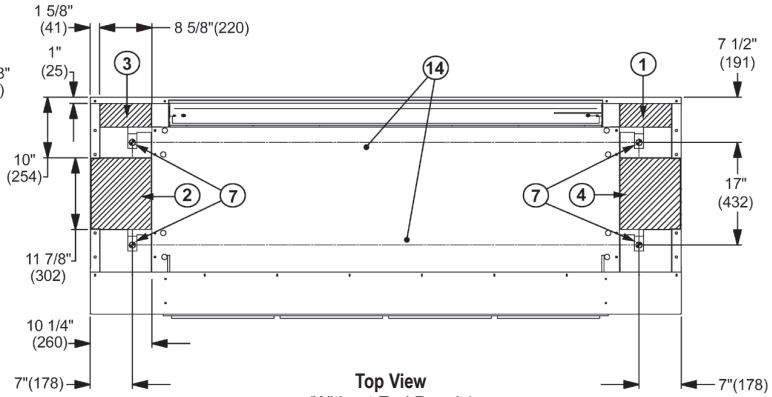
Note:
Dimensions are approximate.

Unit left or right hand determined by viewing unit facing discharge air.

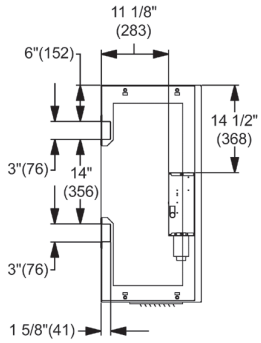




Left End View
(Without End Panel)



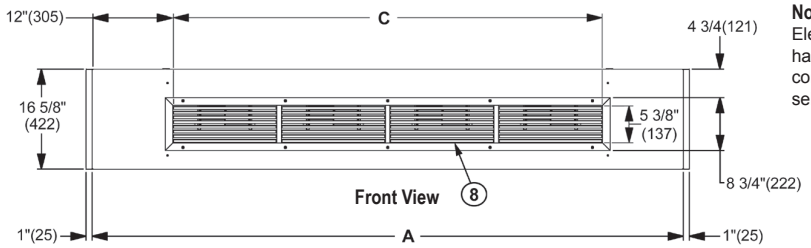
Top View
(Without End Panels)

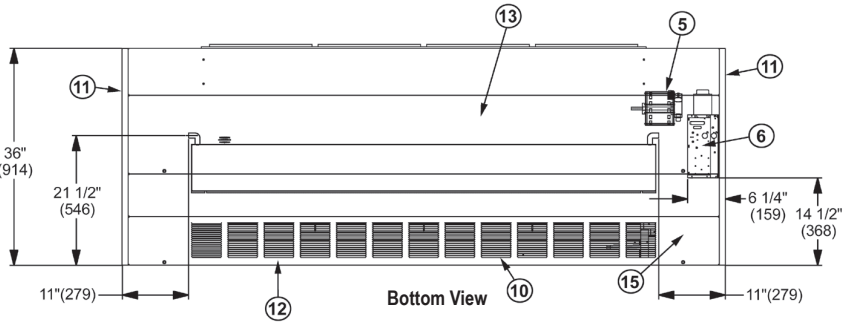


Right End View
(Without End Panel)

Component Description

1 Rear Entry Area – RH
2 Top Entry Area – LH
3 Rear Entry Area – LH
4 Top Entry Area – RH
5 Fan Motor
6 Electrical Connection Box
7 7/8" (22mm) Diameter Ceiling Mounting Holes
8 Duct Collar
9 Condensate Drain (Same end as cooling coil)
10 Return Air Grille (Optional)
11 End Panels
12 Bottom Hinged Access Panel (Filter & Controls)
13 Bottom Hinged Access Panel (Motor & End Bearing)
14 Wire Raceways
15 MicroTech® Controller (UVC)





Note:
Electrical box location in right hand end will vary based on control and motor options selected.

Piping

Piping Entry – Left Hand Coil 1 or 2
Piping Entry – Right Hand Coil 3 or 4

Electrical – Main Power Wiring

Wiring Entry 3 or 4
Wiring Connection (Non-Electric Heat) - 6

Dimensions

Unit Size	Dim. "A"	MM	Dim. "C"	MM
H07 / V07	62	1575	36	914
H10 / V10	74	1880	48	1219
H13 / V13	86	2184	60	1524
H15 / V15	98	2489	72	1829

Duct System Considerations

Duct Design for Noise and Vibration Control

Proper acoustics is often a design requirement for schools. Most of the problems that are associated with HVAC generated sound can be avoided by properly selecting and locating the components of the system. There are some general do's and don'ts:

The following suggestions are required to reduce the amount of sound and noise due to vibration that reaches the occupied room:

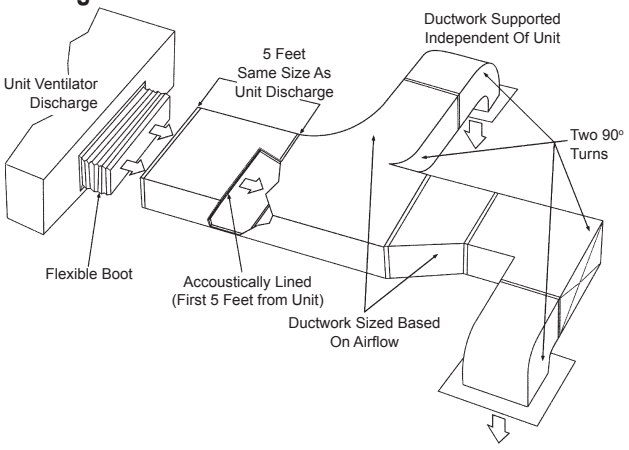
- Use flexible duct connections.
- Make the discharge duct the same size as the unit discharge opening for the first five feet.
- Line the first 5 feet of the supply duct.
- Make two 90-degree turns in the supply and return ducts.
- Keep duct velocity low and follow good duct design procedures.
- Mount and support the ductwork independent of the unit.
- Line the first five feet of the return duct.
- Locate the return air intake away from the unit discharge.
- Provide multiple discharges.
- Restrict use of high pressure drop flexible ducting.
- Size the outdoor air and return air ducts to handle 100% of the total cfm to accommodate economizer or morning warm-up operation.

NOTICE

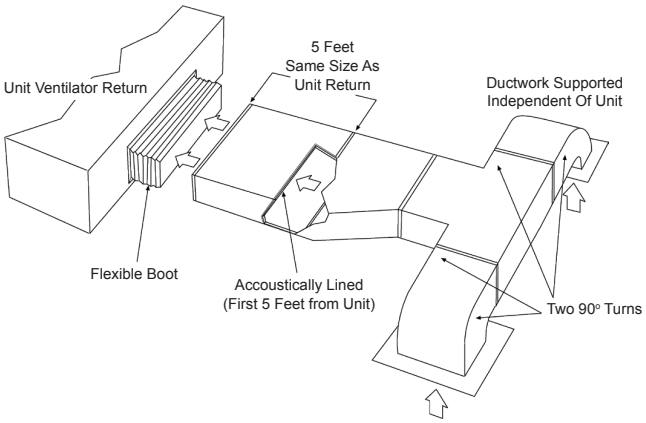
If a supply air duct with improper duct work is placed too close to the unit discharge, it will result in substantial noise. Avoid such forms of connections when designing ductwork where sound attenuation is critical. The following illustrations show suggested duct considerations per SMACNA and ASHRAE.

Sound control applies to the return side of the duct design as well as the supply side. The top-right illustration suggests installation of a intake/return-air duct. Note the return air opening, the sizing and changes in direction of the ductwork. The outdoor air intake and insulated duct work illustration at the lower-right suggests installation of outside air ducting.

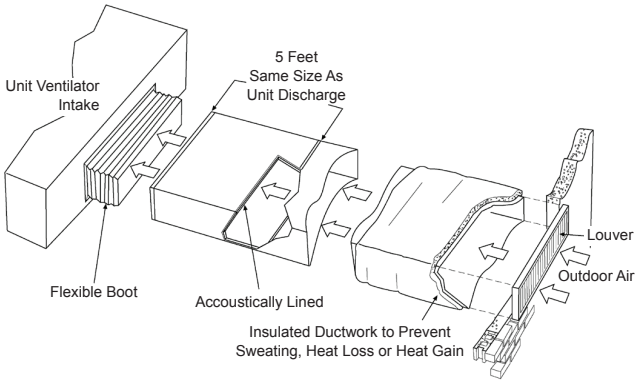
Discharge Air Duct Work



Intake/Return Air Duct Work



Outdoor Air Intake and Insulated Duct Work



NOTICE

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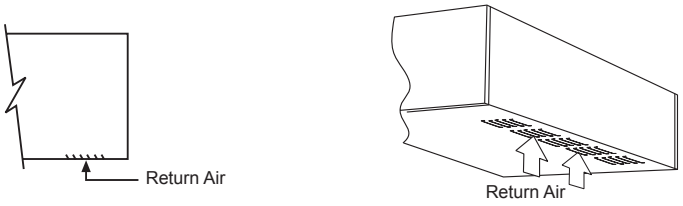
Certified Drawing	AHF-V-R-B-133J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **Basic Unit Data** Date: **July 2018**

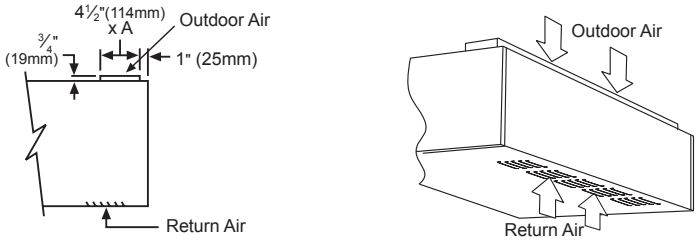
Daikin Classroom Ceiling Unit Ventilator
Model AHF, AHV, AHR and AHB

Inlet Air Arrangements (Check Arrangement That Applies)

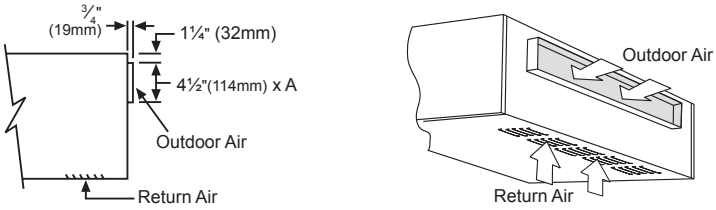
☐ **Arrangement 25**
Recirculating Room Air
(No Room Air/Outside Air Dampers)



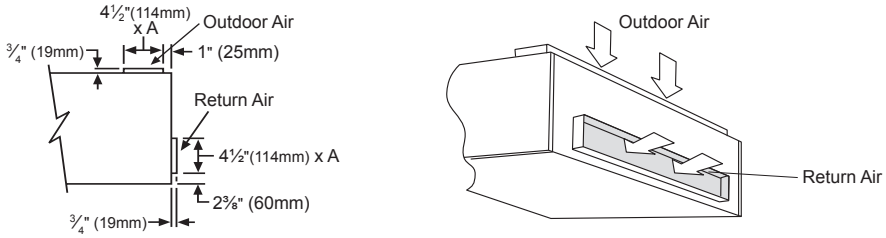
☐ **Arrangement 26**
Return Air Bottom Grille/Outdoor Air
Top Duct Collar



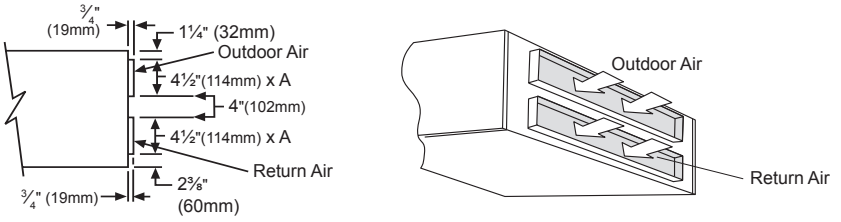
☐ **Arrangement 27**
Return Air Bottom Grille/Outdoor Air
Rear Duct Collar



☐ **Arrangment 28**
Return Air Rear Duct Collar/Outdoor Air
Top Duct Collar



☐ **Arrangement 29**
Return Air Rear Duct Collar/Outdoor Air
Rear Duct Collar



Dimensions

Unit Series		07	10	13	15	20
A	inches	36	48	60	72	72
	mm	914	1219	1524	1829	1829

Notes:
1. For all recessed applications (full or partial) it is necessary to carefully examine both the inlet air and the discharge air physical locations. This must be done for each location individually and in combination with each other to ensure they are compatible with the specific installation.
2. Duct collars shipped loose for field installation not by Daikin Applied.
3. It is important also to verify there is sufficient clearance to open and remove the bottom access panels and end panels for routine maintenance.
4. All dimensions approximated.

Duct System Considerations

Duct Design for Noise and Vibration Control

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- Mount and support the ductwork independent of the unit.
- Line the first five feet of the return duct.
- Locate the return air intake away from the unit discharge.
- Provide multiple discharges.
- Restrict use of high pressure drop flexible ducting.
- Size the outdoor air and return air ducts to handle 100% of the total cfm to accommodate economizer or morning warm-up operation.

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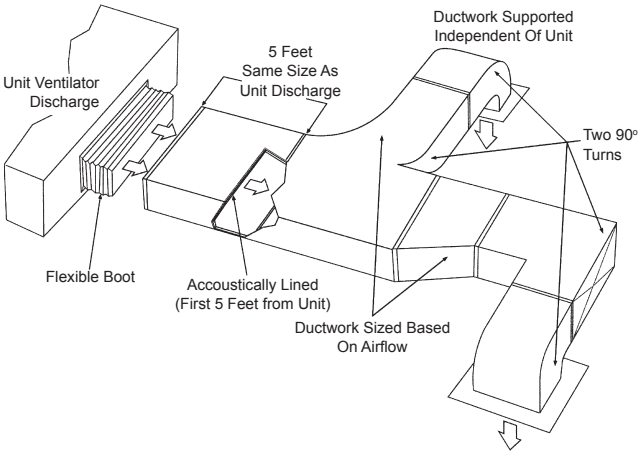
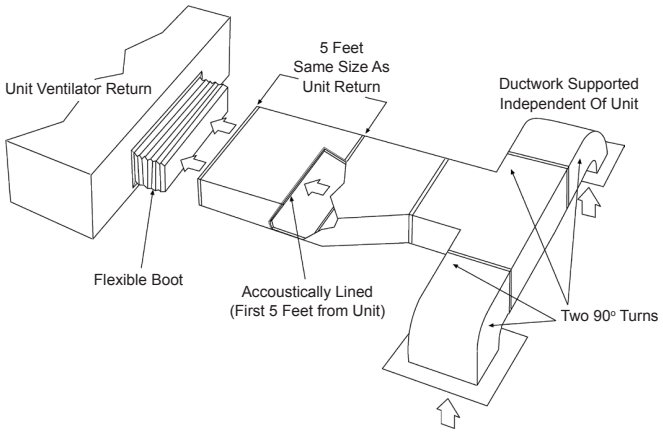
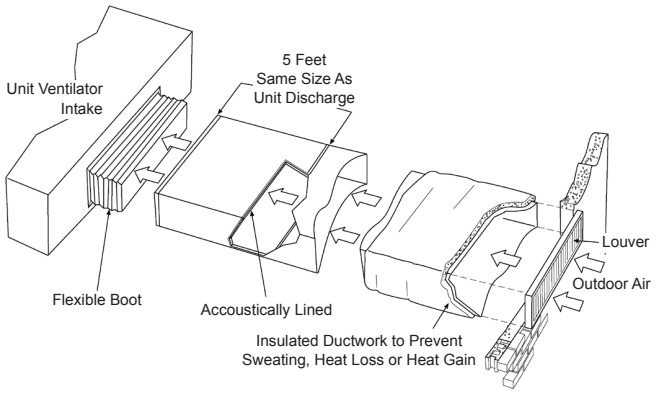
Discharge Air Duct Work



Intake/Return Air Duct Work



Outdoor Air Intake and Insulated Duct Work



NOTICE

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Certified Drawing	AHV-AT36-109J
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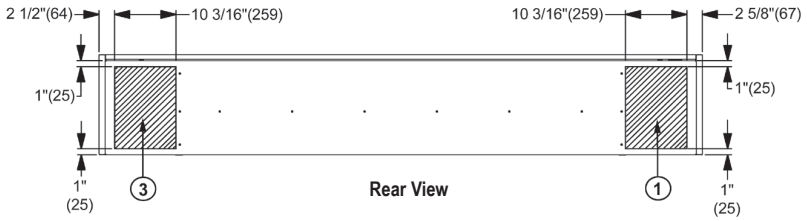
	Type: **Inlet Air Arrangement**
	Date: **May 2018**

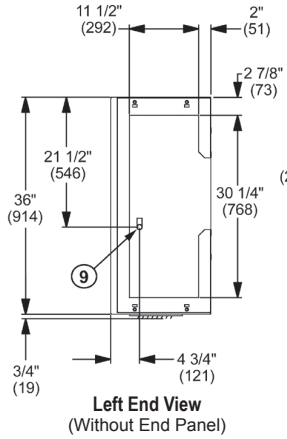
Daikin Classroom Ceiling Unit Ventilator

Model AHV – Air Arrangement AT – 36" Deep Unit Front Discharge With Double-Deflection Grille

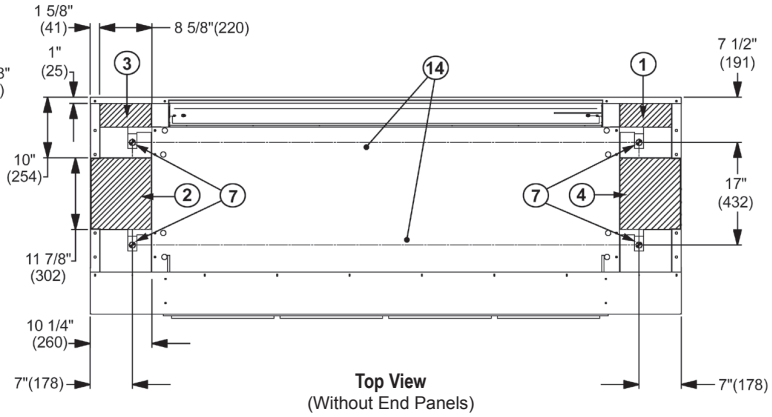
Note:
Dimensions are approximate.

Unit left or right hand determined by viewing unit facing discharge air.

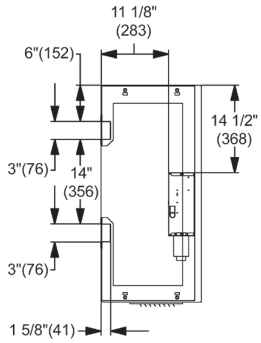




Left End View
(Without End Panel)



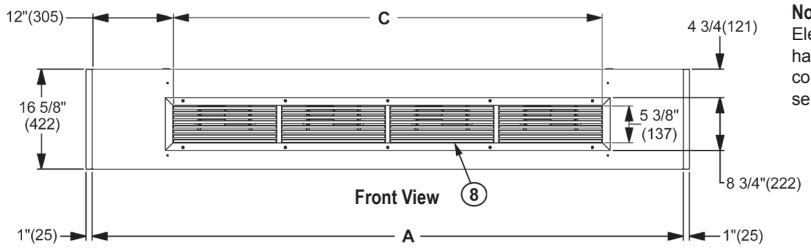
Top View
(Without End Panels)

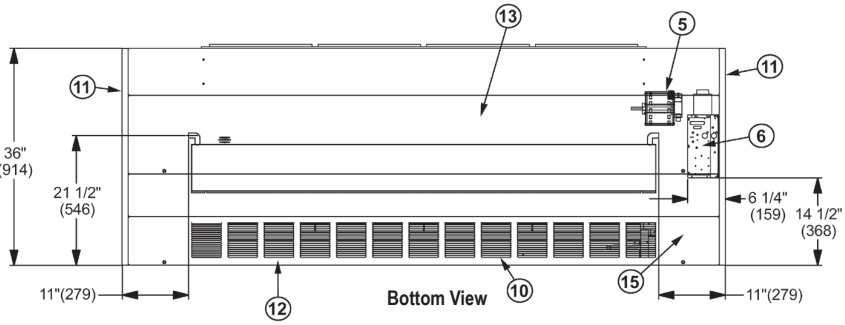


Right End View
(Without End Panel)

Component Description

1 Rear Entry Area – RH
2 Top Entry Area – LH
3 Rear Entry Area – LH
4 Top Entry Area – RH
5 Fan Motor
6 Electrical Connection Box
7 7/8" (22mm) Diameter Ceiling Mounting Holes
8 Duct Collar
9 Condensate Drain (Same end as cooling coil)
10 Return Air Grille (Optional)
11 End Panels
12 Bottom Hinged Access Panel (Filter & Controls)
13 Bottom Hinged Access Panel (Motor & End Bearing)
14 Wire Raceways
15 MicroTech® Controller (UVC)





Note:
Electrical box location in right hand end will vary based on control and motor options selected.

Piping

Piping Entry – Left Hand Coil 1 or 2
Piping Entry – Right Hand Coil 3 or 4

Electrical – Main Power Wiring

Wiring Entry 3 or 4
Wiring Connection (Non-Electric Heat) - 6

Dimensions

Unit Size	Dim. "A"	MM	Dim. "C"	MM
H07 / V07	62	1575	36	914
H10 / V10	74	1880	48	1219
H13 / V13	86	2184	60	1524
H15 / V15	98	2489	72	1829

Duct System Considerations

Duct Design for Noise and Vibration Control

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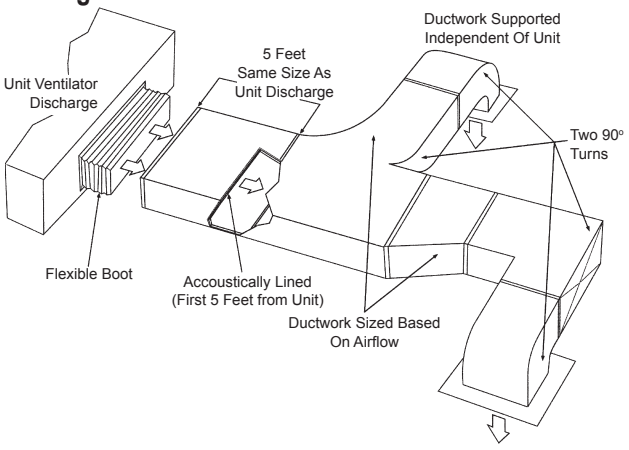
- Keep duct velocity low and follow good duct design procedures.
- Mount and support the ductwork independent of the unit.
- Line the first five feet of the return duct.
- Locate the return air intake away from the unit discharge.
- Provide multiple discharges.
- Restrict use of high pressure drop flexible ducting.
- Size the outdoor air and return air ducts to handle 100% of the total cfm to accommodate economizer or morning warm-up operation.

NOTICE

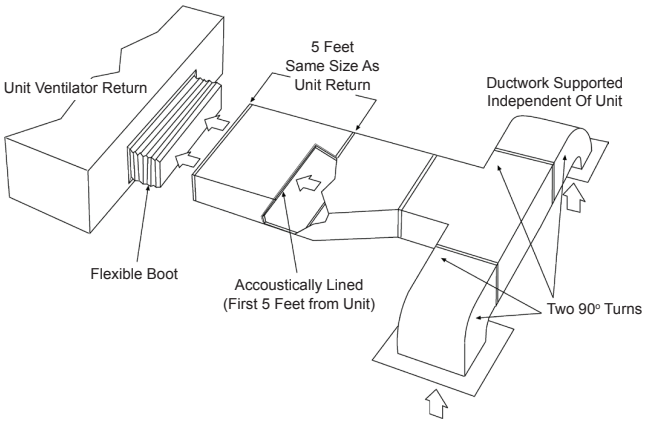
If a supply air duct with improper duct work is placed too close to the unit discharge, it will result in substantial noise. Avoid such forms of connections when designing ductwork where sound attenuation is critical. The following illustrations show suggested duct considerations per SMACNA and ASHRAE.

Sound control applies to the return side of the duct design as well as the supply side. The top-right illustration suggests installation of a intake/return-air duct. Note the return air opening, the sizing and changes in direction of the ductwork. The outdoor air intake and insulated duct work illustration at the lower-right suggests installation of outside air ducting.

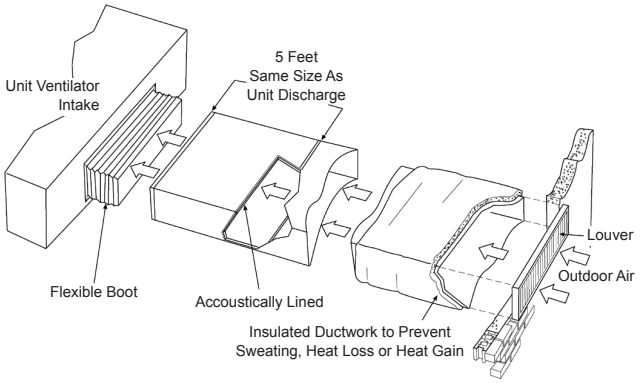
Discharge Air Duct Work



Intake/Return Air Duct Work



Outdoor Air Intake and Insulated Duct Work



NOTICE

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Certified Drawing	AHV-36-152J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator**
	Type: **Basic Unit Data**
	Date: **May 2018**

Daikin Classroom Model AHV 36" Deep Ceiling Unit Ventilator – Arrangements AT & AH – Front Discharge, Series H07, H10, H13, H15, V07, V10, V13, V15

Standard Features

- UL/cUL listed
- AHRI Certified chilled water performance. Unit ventilation rate certified and tested per Air Conditioning, Heating and Refrigeration Institute (AHRI) standard 840..
- Institutional quality cabinet with durable, baked alkyd enamel paint finish on exterior panels and discharge grille. (Double deflection grilles have clear anodized aluminum finish).
- Welded chassis constructed from galvanized steel
- Three bottom panels, two of which are hinged, for ease of service access and handling. Single panel access to filter and controls.
- Removable bar discharge grille (AT & FG - arrangement).
- All access panels have positive positioning threaded fasteners operated with 5/32" hex wrench
- Anti blow through room air damper.
- Rigid, double wall, insulated outdoor air damper made from welded galvanized steel, with mohair end and damper seals in turned over edges.
- Standard galvanized or optional stainless steel drain pan. Drain pan connections C/L located 4"(10mm) above unit bottom. Hand of connection and direction of slope is field selectable.
- Room air fan shaft have oilable sleeve bearings for quietness and long life.
- Low speed room air fan constructed of injection molded polypropylene for precise, smooth, quiet performance.
- Electrically Commutated Motor (ECM) available for applications with External Static Pressures (ESP) up to 0.45 (112 Pa).
- UL/cUL listed individual fusing of fan motor and controls.
- EC motor controlled for 3 speeds, high-medium-low and off. Optional variable speed motor available.
- MicroTech® controls (optional) state of the art "MicroTech" unit controller is a stand alone microprocessor based DDC control device that is pre-engineered, pre-programmed, pre-tested and factory installed. It provides correct sequence of operations and the advantage of one source responsibility.
- Steam coils equipped with vacuum breaker.
- Manual air vent and drain plug on water coils.
- Throwaway filter(s) factory installed in unit.
- Heating only units can be adapted for future air conditioning.

Physical Data

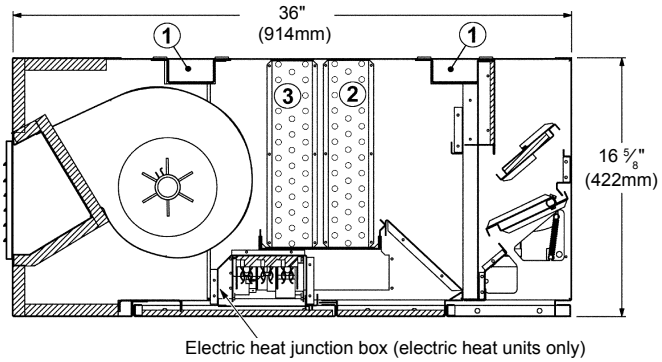
Unit Series				H07 / V07	H10 / V10	H13 / V13	H15 / V15
Nominal Airflow - cfm (L/s)				750 (354)	1000 (472)	1250 (590)	1500 (708)
Fan Data	Number of Fans			2	3	4	4
	Size	Dia. in. (mm)		8.12 (206)	8.12 (206)	8.12 (206)	8.12 (206)
		Width - in. (mm)		8.25 (210)	8.25 (210)	8.25 (210)	8.25 (210)
Filter Data	(Qty) Size	in. (Nominal)		(1) 10 x 36½ x 1	(1) 10 x 48½ x 1	(1) 10 x 60½ x 1	(2) 10 x 36½ x 1
		(mm)		254 x 927 x 25	254 x 1232 x 25	254 x 1537 x 25	254 x 927 x 25
	Area	Ft.^{2} (m^2)		2.54 .24)	3.37 (.31)	4.2 (.39)	5.08 (.47)
*Approx. Shipping Weight lb. (kg)	Discharge Air Arrangement		AT, AH	385 (179)	465 (211)	540 (245)	620 (281)
Coil Water Volume Gal. (Ltrs)	1-Row Coil			.25 (0.95)	.31 (1.17)	.38 (1.44)	.44 (1.67)
	2-Row Coil			.45 (1.70)	.57 (2.16)	.69 (2.61)	.82 (3.10)
	3-Row Coil			.64 (2.42)	.82 (3.10)	1.01 (3.82)	1.19 (4.50)
	4-Row Coil			.83 (3.14)	1.08 (4.09)	1.32 (5.00)	1.57 (5.94)
	5-Row Coil			1.03 (3.90)	1.34 (3.90)	1.64 (6.21)	1.95 (7.38)

* Approximate weights based on Face & Bypass damper controlled unit with 4-row cooling coil, 2-row hot water coil and MicroTech® Controls.

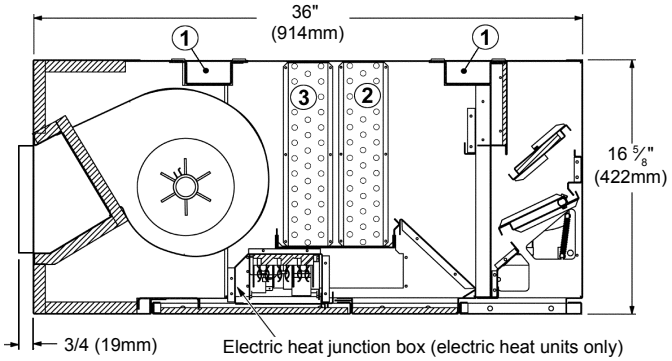
Daikin Classroom Model AHV 36" Deep Ceiling Unit Ventilator – Arrangements AT & AH – Front Discharge, Series H07, H10, H13, H15, V07, V10, V13, V15

Unit Cross Sections

Arrangement AT - Double Deflection Grille



Arrangement AH - Duct Collar



Valve Control

Single Coil Unit

(1) Raceway for factory wiring (Single & two coil unit)
(2) Hot Water, Chilled water or CW/HW (2-pipe), None
(3) None, Steam

Two Coil Units

(2) Hot water
(3) Chilled water or Direct expansion

(2) Chilled water or Direct expansion
(3) Electric or Steam

Duct System Considerations

Duct Design for Noise and Vibration Control

Proper acoustics is often a design requirement for schools. Most of the problems that are associated with HVAC generated sound can be avoided by properly selecting and locating the components of the system. There are some general do's and don'ts:

The following suggestions are required to reduce the amount of sound and noise due to vibration that reaches the occupied room:

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- Make the discharge duct the same size as the unit discharge opening for the first five feet.
- Line the first 5 feet of the supply duct.
- Make two 90-degree turns in the supply and return ducts.
- Keep duct velocity low and follow good duct design procedures.
- Mount and support the ductwork independent of the unit.
- Line the first five feet of the return duct.
- Locate the return air intake away from the unit discharge.
- Provide multiple discharges.
- Restrict use of high pressure drop flexible ducting.
- Size the outdoor air and return air ducts to handle 100% of the total cfm to accommodate economizer or morning warm-up operation.

NOTICE

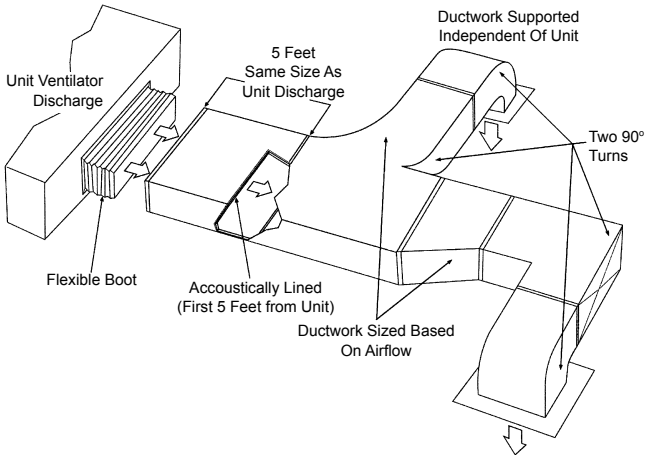
If a supply air duct with improper duct work is placed too close to the unit discharge, it will result in substantial noise. Avoid such forms of connections when designing ductwork where sound attenuation is critical. The following illustrations show suggested duct considerations per SMACNA and ASHRAE.

Sound control applies to the return side of the duct design as well as the supply side. The bottom-right illustration suggests installation of a intake/return-air duct. Note the return air opening, the sizing and changes in direction of the ductwork. The outdoor air intake and insulated duct work illustration on the next page suggests installation of outside air ducting.

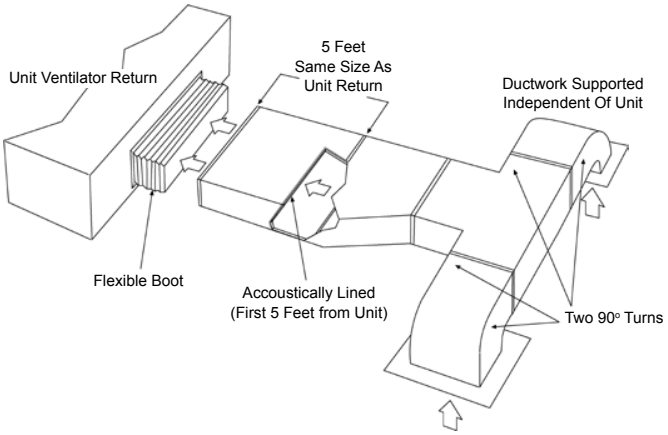
NOTICE

These are general suggestions and offered only to stress their importance; however, there are additional important factors that must be considered. Assistance in the design of ductwork can be found in the ASHRAE Handbook and SMACNA publications, as well as other recognized authorities.

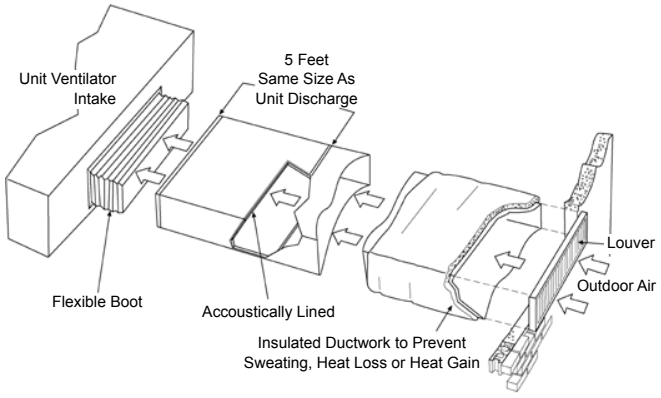
Discharge Air Duct Work



Intake/Return Air Duct Work



Outdoor Air Intake and Insulated Duct Work

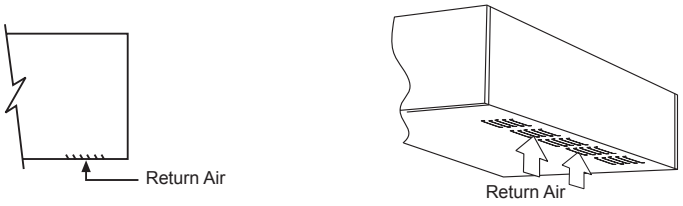


Certified Drawing	AHF-V-R-B-133J
Daikin Applied certifies that it will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Purchaser's approval to this drawing signifies that the equipment is acceptable under the provisions of the job specifications. Any change made hereon by any person whomsoever is subject to acceptance by Daikin	Group: **Unit Ventilator** Type: **Basic Unit Data** Date: **July 2018**

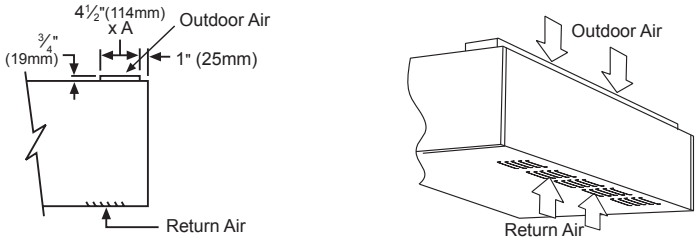
Daikin Classroom Ceiling Unit Ventilator
Model AHF, AHV, AHR and AHB

Inlet Air Arrangements (Check Arrangement That Applies)

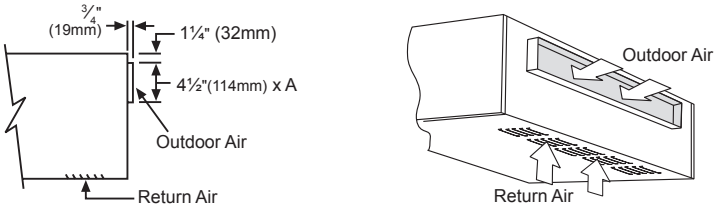
☐ **Arrangement 25**
Recirculating Room Air
(No Room Air/Outside Air Dampers)



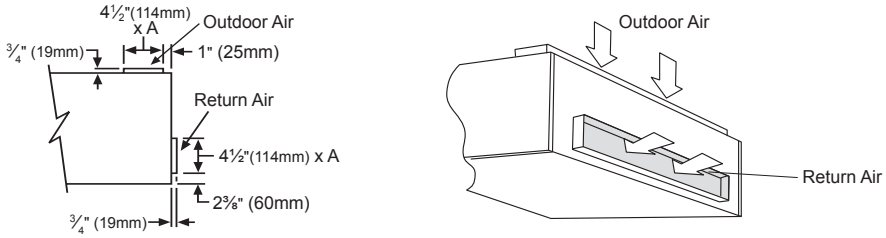
☐ **Arrangement 26**
Return Air Bottom Grille/Outdoor Air
Top Duct Collar



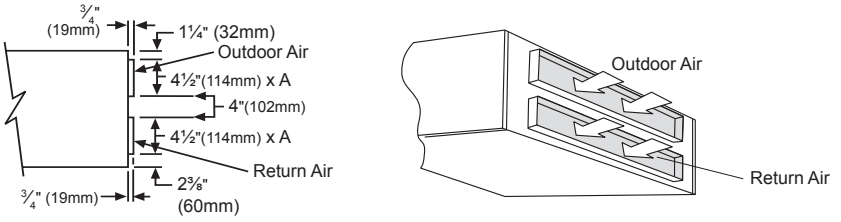
☐ **Arrangement 27**
Return Air Bottom Grille/Outdoor Air
Rear Duct Collar



☐ **Arrangment 28**
Return Air Rear Duct Collar/Outdoor Air
Top Duct Collar



☐ **Arrangement 29**
Return Air Rear Duct Collar/Outdoor Air
Rear Duct Collar



Dimensions

Unit Series		07	10	13	15	20
A	inches	36	48	60	72	72
	mm	914	1219	1524	1829	1829

Notes:
1. For all recessed applications (full or partial) it is necessary to carefully examine both the inlet air and the discharge air physical locations. This must be done for each location individually and in combination with each other to ensure they are compatible with the specific installation.
2. Duct collars shipped loose for field installation not by Daikin Applied.
3. It is important also to verify there is sufficient clearance to open and remove the bottom access panels and end panels for routine maintenance.
4. All dimensions approximated.

DAIKIN

Duct System Considerations

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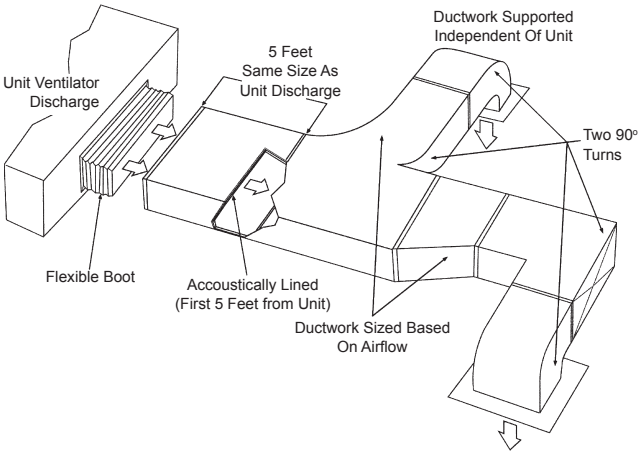
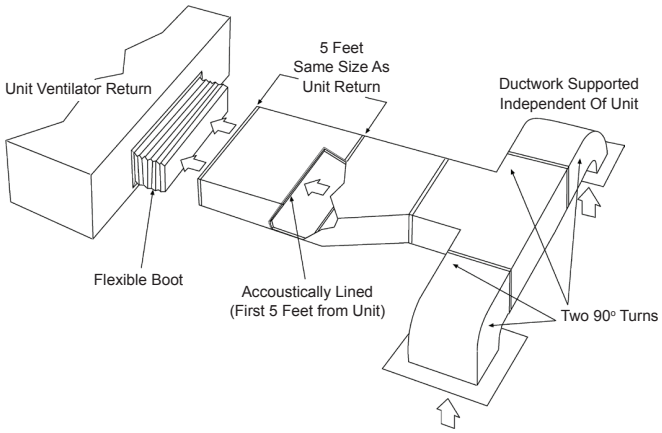
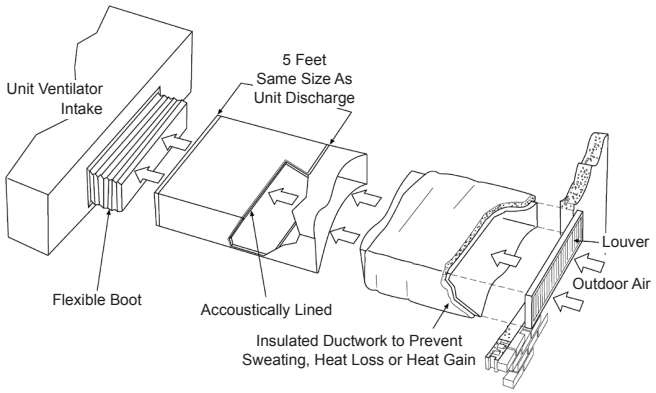


Intake/Return Air Duct Work



Outdoor Air Intake and Insulated Duct Work



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