



## Technical Data Sheet

**Unit Tag** 1.5 Ton LH / RH  
 \*\*\* For Reference Only – At Standard Conditions

## Unit Overview

Model Number	Voltage V/Hz/Phase	Airflow CFM	Fluid Flow GPM	Cooling Capacity Btu/hr	Cooling Efficiency EER @ AHRI	Heating Capacity Btu/hr	Heating Efficiency COP @ AHRI
WGCV019	208-230/60/1	619	4.50	15828	14.3	20644	5.0

## Unit

<b>Model Number:</b>	WGCV019		
<b>Unit Type:</b>	Compact Vertical Single Stage		
<b>Approval:</b>	ETL, CETL, AHRI		
<b>Configuration</b>	<b>Refrigerant Type</b>	<b>Refrigerant Weight</b>	<b>Loop Temperature Range</b>
Vertical	R-410A	29.0 oz	Water Loop (Standard Range)

## Unit Performance

Air & Water Flow										
Airflow		Total External Static Pressure		Fluid Flow		Fluid Type		Altitude		
619 CFM		0.30 inH <sub>2</sub> O		4.50 gpm / 2.84 gpm/ton		Water		0 ft		
Cooling Performance										
Fluid Temperature		Air Temperature				Capacity		Heat of Rejection Btu/hr	EER @ AHRI	Fluid Pressure Drop ft H <sub>2</sub> O
Entering °F	Leaving °F	Entering		Leaving		Total Btu/hr	Sensible Btu/hr			
		Dry Bulb °F	Wet Bulb °F	Dry Bulb °F	Wet Bulb °F					
90.0	99.1	75.0	63.0	56.8	54.0	15828	12201	20432	14.3	9.84
Heating Performance										
Fluid Temperature		Air Temperature		Capacity		Heat of Absorption Btu/hr	COP @ AHRI	Fluid Pressure Drop ft H <sub>2</sub> O		
Entering °F	Leaving °F	Entering		Leaving					Total Btu/hr	
		Dry Bulb °F		Dry Bulb °F						
70.0	62.7	70.0		100.7		20644	16362	5.0	10.19	

\*System WPD is calculated without the autoflow valve as the CV of an autoflow valve varies dependent on the system WPD. As long as the WPD is >3 psid, the autoflow valve will provide the selected GPM flowrate.

## Electrical

<b>Unit Voltage</b>	<b>Minimum Voltage</b>	<b>Total Unit Full Load Current</b>	<b>Total Unit MCA</b>
208-230/60/1	197.0 v	9.10 A	10.65 A
<b>Compressor RLA</b>	<b>Compressor LRA</b>	<b>Motor FLA</b>	<b>Maximum Recommended Fuse Size / HACR Breaker Size</b>
6.2 A	31.5 A	2.90 A	15 A

## Physical

Unit							
Depth	Height	Width	Weight		Connection		
			Shipping	Operating	Water	Condensate	
21.50 in	32.00 in	21.50 in	174 lb	146 lb	0.50 in	0.75 in	
Fan							
Motor Type				Motor Horsepower			
ECM Constant Torque				0.33 hp			

## Unit Options

### Controls

<b>Unit Control:</b>	Microtech III
<b>Control Transformer:</b>	Standard 50 VA Transformer
<b>Thermostat / Sensor Control:</b>	Thermostat Control

### Unit Airflow Configuration

<b>Return Air Location:</b>	Left Hand / Right Hand
<b>Discharge Air Location:</b>	Top

## Factory Mounted Options

### Coaxial Heat Exchanger Options

<b>Heat Exchanger:</b>	Copper Inner Tube / Steel Outer Tube
------------------------	--------------------------------------

## Construction Options

### Drain Pan Material

<b>Primary:</b>	Stainless Steel
-----------------	-----------------

### Filters

<b>Filter Rack Type:</b>	1-inch Rail
<b>Filter Type:</b>	Standard 1 inch
<b>(Quantity) Filter Dimensions:</b>	(1) 16 in x 20 in x 1 in

### Insulation

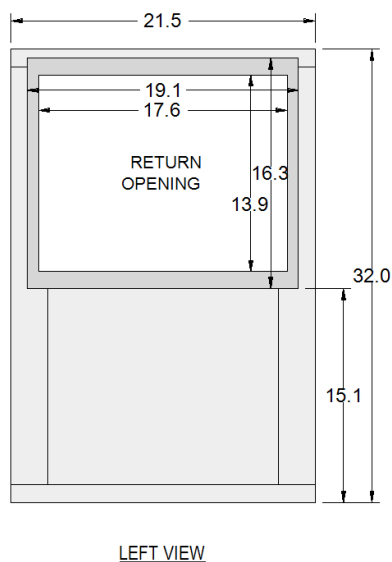
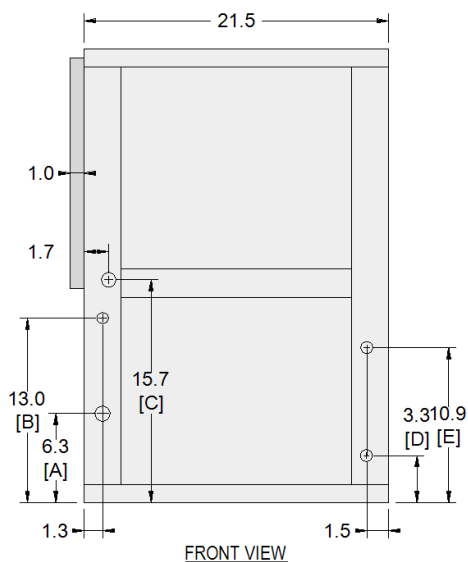
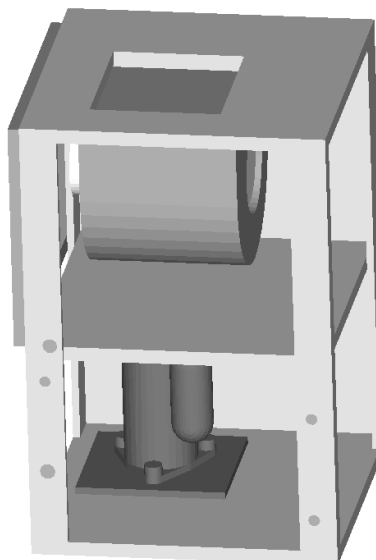
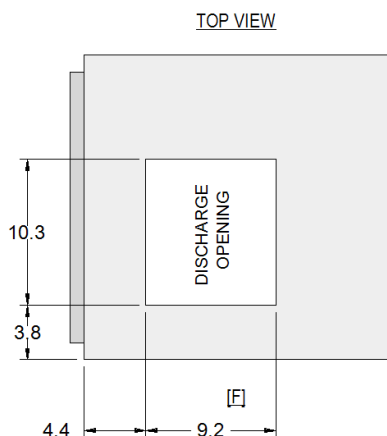
<b>Compressor Compartment:</b>	1/2 inch Fiberglass, Skin-faced
<b>Air Compartment:</b>	1/2 inch Fiberglass, Skin-faced

## AHRI Certification




All equipment is rated and certified in accordance with AHRI / ISO 13256-1 and tested, investigated, and determined to comply with the requirements of the standards for Heating and Cooling Equipment UL-1995 for the United States and CAN/CSA-C22.2 NO.236 for Canada.

3/4 VIEW - LEFT HAND RETURN UNIT

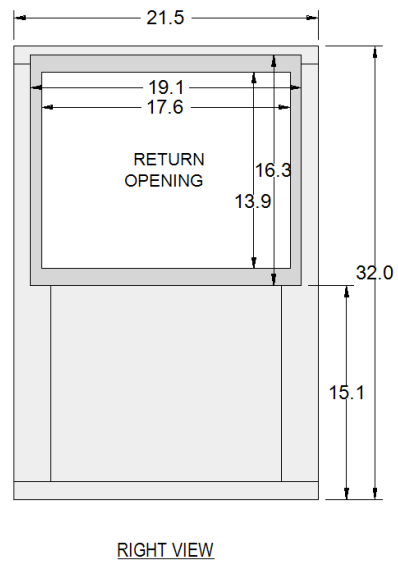
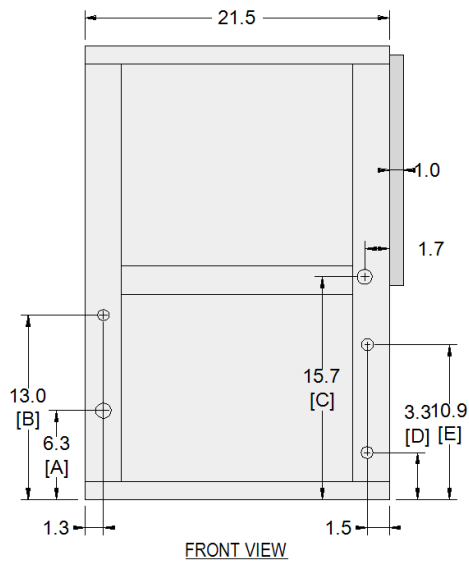
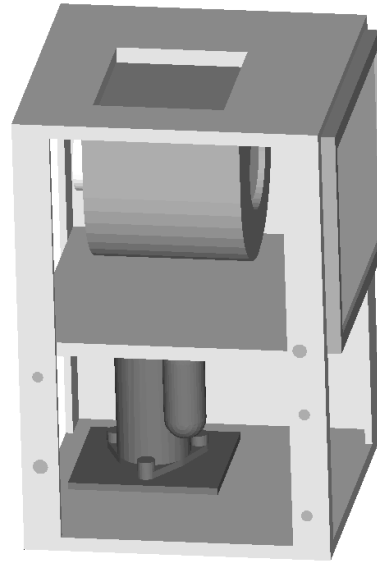
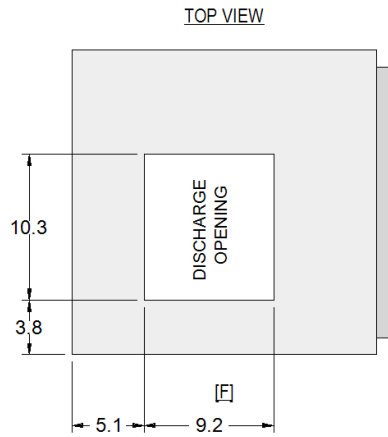


NOTES

[A] - High Volt Pwr Entry 1.1 DIA	[B] - Low Volt Pwr Entry 0.8 DIA	[C] - Condensate Drain 3/4" FPT
[D] - Supply Water 1/2" FPT	[E] - Return Water 1/2" FPT	[F] - Unit Front Service Clearance 24


<b>Product Drawing</b>		Unit Tag: 1.5 Ton LH			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 07.20		
Product:		Project Name:					
Model: WGCV019					Scale: NTS Tolerance: +/-0.25" Dwg Units: (in)		
Sales Engineer:		Dec. 10, 2018	Ver/Rev:	Sheet 1 of 1			
No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.							

3/4 VIEW - RIGHT HAND RETURN UNIT



NOTES

[A] - High Volt Pwr Entry 1.1 DIA	[B] - Low Volt Pwr Entry 0.8 DIA	[C] - Condensate Drain 3/4" FPT
[D] - Supply Water 1/2" FPT	[E] - Return Water 1/2" FPT	[F] - Unit Front Service Clearance 24

<b>Product Drawing</b>	Unit Tag: 1.5 Ton RH			 13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 07.20		
Product:	Project Name:					
Model: WGCV019				Scale: NTS	Tolerance: +/-0.25"	Dwg Units: (in)
Sales Engineer:	Dec. 10, 2018	Ver/Rev:	Sheet 1 of 1			
No change to this drawing may be made unless approved in writing by Daikin Applied. Purchaser must determine that the equipment is fit and sufficient for the job specifications.						