



Technical Data Sheet

| | |
|-----------------|---|
| Unit Tag | 5.0 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 |
|--------------|-----------------------|----------------|-------------------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| WGCV060 | 208-230/60/1 | 2083 | 15.00 | 54651 | 13.9 | 75736 | 4.9 |

Unit

| | | | |
|----------------------|-------------------------------|---------------------------|-------------------------------|
| Model Number: | WGCV060 | | |
| Unit Type: | Compact Vertical Single Stage | | |
| Approval: | ETL, CETL, AHRI | | |
| Configuration | Refrigerant Type | Refrigerant Weight | Loop Temperature Range |
| Vertical | R-410A | 74.0 oz | Water Loop (Standard Range) |

Unit Performance

| Air & Water Flow | | | | | | | | | | |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|------------------------------|-----------------|--|-----------------------------|------------|--|
| Airflow | | Total External Static Pressure | | Fluid Flow | | Fluid Type | | Altitude | | |
| 2083 CFM | | 0.30 inH ₂ O | | 15.00 gpm / 3.00 gpm/ton | | Water | | 0 ft | | |
| Cooling Performance | | | | | | | | | | |
| Fluid Temperature | | Air Temperature | | | | Capacity | | Heat of Rejection Btu/hr | EER @ AHRI | Fluid Pressure Drop ft H ₂ 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 | 99.4 | 75.0 | 63.0 | 56.2 | 53.8 | 54651 | 42465 | 70666 | 13.9 | 15.58 |
| Heating Performance | | | | | | | | | | |
| Fluid Temperature | | Air Temperature | | Capacity Total Btu/hr | Heat of Absorption Btu/hr | COP @ AHRI | Fluid Pressure Drop ft H ₂ O | | | |
| Entering °F | Leaving °F | Entering Dry Bulb °F | Leaving Dry Bulb °F | | | | | | | |
| 70.0 | 62.0 | 70.0 | 103.5 | 75736 | 59834 | 4.9 | 16.14 | | | |

*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

| | | | |
|-----------------------|------------------------|-------------------------------------|--|
| Unit Voltage | Minimum Voltage | Total Unit Full Load Current | Total Unit MCA |
| 208-230/60/1 | 197.0 v | 33.90 A | 40.48 A |
| Compressor RLA | Compressor LRA | Motor FLA | Maximum Recommended Fuse Size / HACR Breaker Size |
| 26.3 A | 134.0 A | 7.60 A | 60 A |

Physical

| Unit | | | | | | |
|---------------------|----------|----------|----------|-------------------------|------------|------------|
| Depth | Height | Width | Weight | | Connection | |
| | | | Shipping | Operating | Water | Condensate |
| 32.50 in | 46.00 in | 24.00 in | 323 lb | 283 lb | 1.00 in | 0.75 in |
| Fan | | | | | | |
| Motor Type | | | | Motor Horsepower | | |
| ECM Constant Torque | | | | 1.00 hp | | |

Unit Options

Controls

| | |
|-------------------------------------|----------------------------|
| Unit Control: | Microtech III |
| Control Transformer: | Standard 50 VA Transformer |
| Thermostat / Sensor Control: | Thermostat Control |

Unit Airflow Configuration

| | |
|--------------------------------|------------------------|
| Return Air Location: | Left Hand / Right Hand |
| Discharge Air Location: | Top |

Factory Mounted Options

Coaxial Heat Exchanger Options

| | |
|------------------------|--------------------------------------|
| Heat Exchanger: | Copper Inner Tube / Steel Outer Tube |
|------------------------|--------------------------------------|

Construction Options

Drain Pan Material

| | |
|-----------------|-----------------|
| Primary: | Stainless Steel |
|-----------------|-----------------|

Filters

| | |
|--------------------------------------|--------------------------|
| Filter Rack Type: | 1-inch Rail |
| Filter Type: | Standard 1 inch |
| (Quantity) Filter Dimensions: | (1) 23 in x 30 in x 1 in |

Insulation

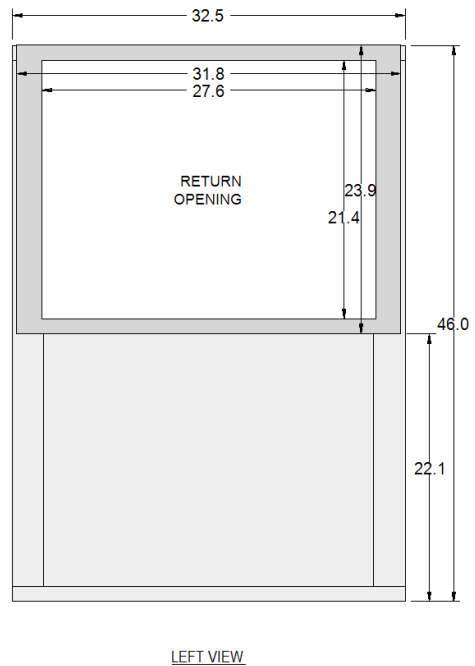
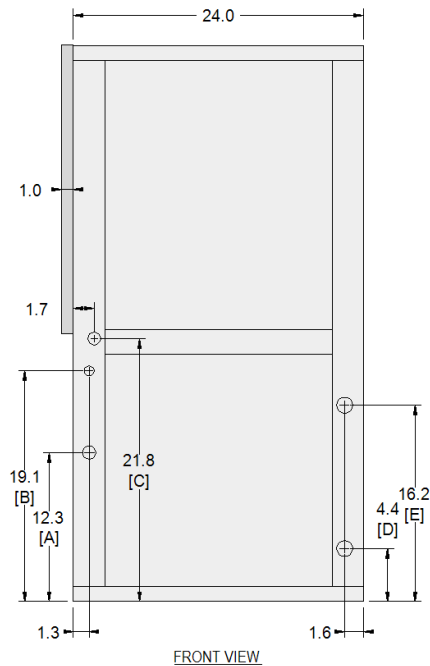
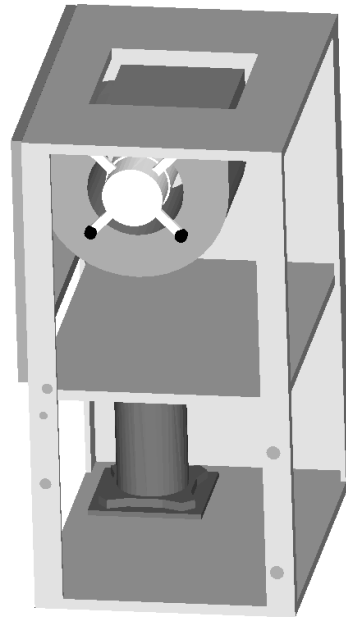
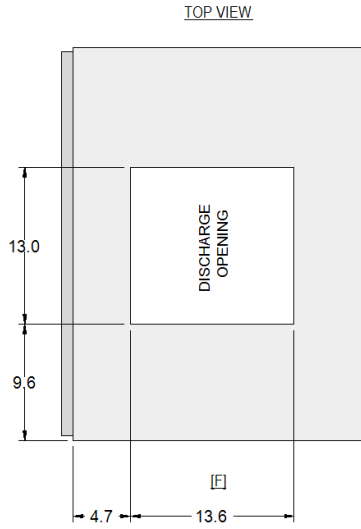
| | |
|--------------------------------|---------------------------------|
| Compressor Compartment: | 1/2 inch Fiberglass, Skin-faced |
| Air Compartment: | 1/2 inch Fiberglass, Skin-faced |

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.

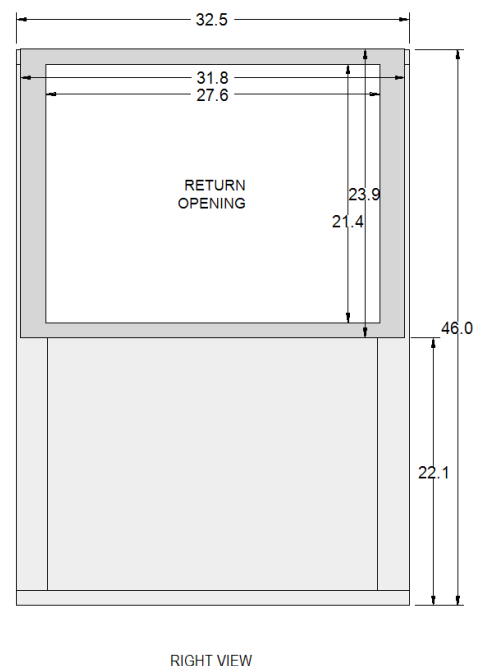
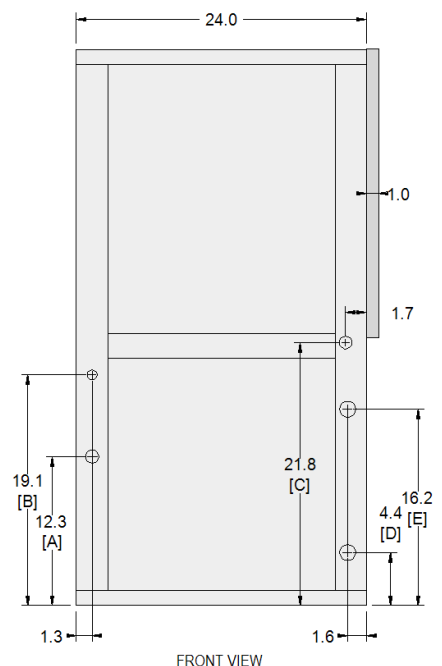
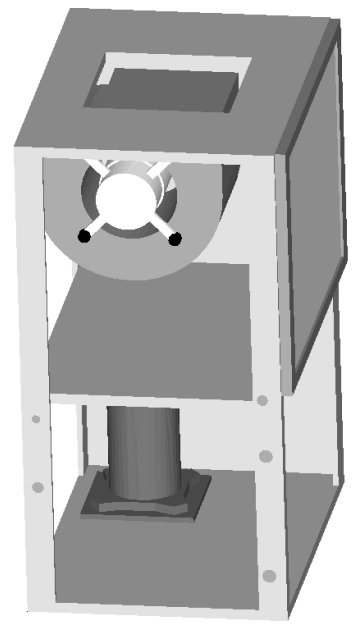
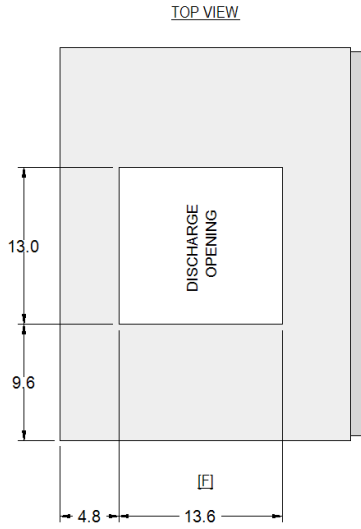
3/4 VIEW - LEFT HAND RETURN UNIT




| 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" FPT | [E] - Return Water 1" FPT | [F] - Unit Front Service Clearance 24 |

| | | | | | | | |
|---|--|----------------------|----------|--------------|---|--|--|
| Product Drawing | | Unit Tag: 5.0 Ton LH | | |  13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 07.20 | | |
| Product: | | Project Name: | | | | | |
| Model: WGCV060 | | | | | 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" FPT | [E] - Return Water 1" FPT | [F] - Unit Front Service Clearance 24 |

| | | | | | | | |
|---|--|----------------------|----------|--------------|---|--|--|
| Product Drawing | | Unit Tag: 5.0 Ton RH | | |  13600 Industrial Park Blvd. Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 07.20 | | |
| Product: | | Project Name: | | | | | |
| Model: WGCV060 | | | | | Scale: NTS Tolerance: +/-0.25" Dwg Units: (in) | | |
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