



H2/V2 Series



HORIZONTAL & VERTICAL INDOOR AIR HANDLERS



V2 Series



H2 Series

Features:

- 800-10,000 CFM in Five Cabinet Sizes
- Horizontal or Vertical Models with Left or Right Hand Connections
- R-22 DX, R-410A DX, or Chilled Water Cooling
- Electric, Hot Water, or Steam Heating
- Double Wall Cabinet Construction
- Service Access Panels with Half Turn Zinc Cast Handles
- Labeled Components for Quick and Easy Installation
- Labeled Controls Components with Color-Coded Wiring that Matches Wiring Diagrams Included in the Controls Compartment
- Matching R-22 and R-410A Condensing Units Available for a Complete Split System Solution

Application Flexibility
Minimizes Installation Time and Reduces Cost

○ *Make-up Air Applications
Up to 100% Outside Air*

○ *Dehumidification
and Filtration Capabilities*

○ *Easy Installation
and Maintenance*

○ *Factory Installed or Customer
Specific Control Options*

H2/V2 Series Indoor Air Handlers

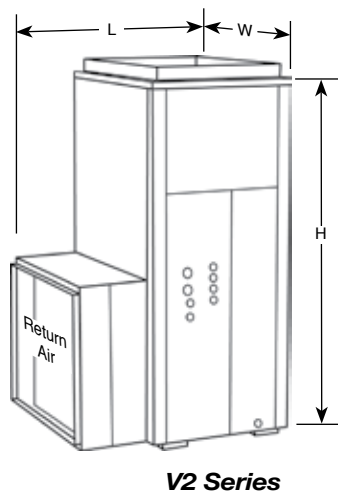
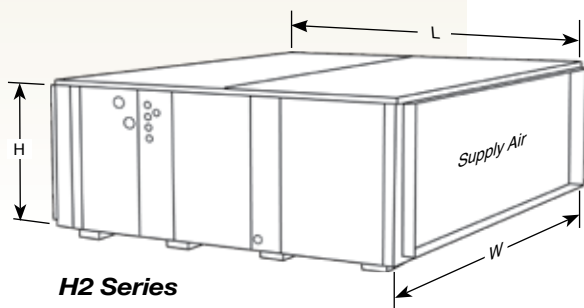
The H2/V2 Series includes air handlers for both horizontal and vertical applications. They have been designed and engineered for a wide variety of heating, cooling, dehumidifying, filtering, and ventilating applications. Standard 1" fiberglass double wall construction with a backward curved plenum blower provides quiet, energy efficient operation. Five horizontal and five vertical models in the range of 800-10,000 CFM provide application flexibility. All H2/V2 Series air handlers and components are factory assembled for quick job site start up.

Superior Features

- Direct drive forward curved blower on A cabinet models and belt-driven backward curved plenum blower assembly on B-D cabinet models provide energy efficient airflow.
- Service access panels, with half turn zinc cast handles, and filter access panels, with hand latches, allow for quick and easy maintenance.
- Double wall galvanized steel construction with a painted cabinet exterior allows the unit to be easily cleaned on both the outside and inside.
- Single point power connection and 24V control circuit transformer allow for quick start up.
- Sloped drain pan, with drain connections available on either side of the unit, make the unit easy to install.
- Factory installed TXV reduces start up time

Premier Options

- 2" or 4" MERV 7 pleated filters
- Chilled water coil, R-22 DX, or R-410A DX unit cooling options.
- Electric, hot water, or steam heat options provide heating design flexibility.
- Modulating hot gas reheat for energy efficient comfortable dehumidification.
- External hot gas bypass for coil freeze protection, especially in make up air applications.
- Factory installed mixing boxes for application flexibility.
- Oversized face area coil options on C, C+, and D cabinets models and oversized and high efficiency motor options provide job flexibility.
- Stainless steel condensate drain pan option for maximum drain pan corrosion protection.



H2-V2 Model	Nominal CFM	Width	Height	Length*
H2-A	800-1,200	28	19	44
H2-B	1,200-2,000	42	19	51
H2-C	2,000-4,000	60	25	59
H2-C+	4,000-6,000	80	25	66
H2-D	6,000-10,000	104	32	72
V2-A	800-1,200	30	39	31
V2-B	1,200-2,000	30	53	33
V2-C	2,000-4,000	40	67	42
V2-C+	4,000-6,000	40	81	50
V2-D	6,000-10,000	56	91	48

All dimensions are in inches.

* H2 & V2 lengths include a filter box.



Serviceability and Application Flexibility

Facts About AAON H2/V2 Air Handlers

Energy Efficient When matched with AAON condensing units, AAON DX split systems provide consistent comfort with low energy consumption. Factory installed chilled water, hot water, and steam coil options allow H2/V2 air handlers to be included in a wide variety of energy efficient systems.

Lower in First Cost Many factory installed options and standard factory wiring and piping allow AAON air handlers to be ready for quick and easy field installation, saving time and money on the job site.

Lower in Maintenance Cost Service access panels with zinc cast handles and labeled components with color-coded wires and wiring diagram make servicing the unit less time consuming.

Reliability Construction features, such as a double wall construction, and serviceability features, such as filter access panels with latches that open by hand, make H2/V2 air handlers long lasting. Factory engineered, designed, and installed options are more reliable than field installed add-on options.

Wide CFM Range H2/V2 Series air handlers are each available from 800 to 10,000 CFM with 5 overlapping cabinet sizes that allow the air handler to match the job requirements.

Additional AAON Modular air handlers are available from 1,000-51,500 CFM with a wide range of modular configurations to meet job requirements and AAON outdoor air handlers are available from 800 to 68,000 CFM with a wide array of features and options.

Flexibility AAON air handlers can be used in many different applications with other AAON equipment or with previously installed system components. With superior features and premier options, including factory installed controls by others, AAON provides air handling solutions.

H2/V2 Series Indoor Air Handlers



Split System Modulating Hot Gas Reheat

This premier option provides energy efficient dehumidification, even at low sensible heat loads, without the temperature swings common with On/Off reheat systems. During dehumidification mode the system uses a factory installed reheat coil (not subcooling), modulating valves, and a DDC controller to dehumidify the air while at the same time supplying comfortable, neutral temperature, air.



V2 Supply Blower Assembly



AAON Environmentally Friendly HVAC Product Family

Customer Commitment – AAON encourages environmentally responsible design by incorporating many energy saving features into our superior heating and cooling products. In addition to energy efficiency, AAON also offers environmentally friendly R-410A refrigerant capability in all our cooling and heat pump equipment. As countries throughout the world phase out CFC and HCFC refrigerants, R-410A is becoming the global standard and AAON is leading the way!



Rooftop Units



2 - 5 Tons



2 - 30 Tons



26 - 70 Tons



45 - 230 Tons

Condensing Units



2 - 5 Tons



8 - 40 Tons



45 - 230 Tons

Air-Cooled or Evaporative-Cooled Chiller



35 - 365 Tons

Boiler



500 - 6,000 MBH

Outdoor Air Handling Units



800 - 2,000 CFM



800 - 12,000 CFM



10,400 - 28,000 CFM



18,000 - 68,000 CFM

Indoor Air Handling Units



1,000 - 16,000 CFM



16,000 - 51,500 CFM



800 - 10,000 CFM



800 - 2,000 CFM

Custom Indoor or Outdoor Air Handling Units



Direct Fired
1,500 - 100,000+ CFM



1,500 - 218,000 CFM • Indirect Fired



1,500 - 120,000+ CFM



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