



F1 Series



VERTICAL & MULTI-POSITION INDOOR AIR HANDLERS



Features:

- 800-2,000 CFM
- Vertical Model for Upflow Applications and Multi-position Model for Either Upflow or Horizontal Applications
- High Efficiency R-410A
- Electric, Hot Water, or Heat Pump Heating
- Modulating Humidity Control; Independently Controls Temperature and Humidity
- Ultra-High Efficiency Variable Speed ECM Driven Supply Fan
- Labeled Components for Quick and Easy Installation
- Labeled Controls Components with Color-Coded Wiring that Matches the Unit Wiring Diagram Included in the Controls Compartment
- Matching CB and CC Series Condensing Units Available for a Complete Split System Solution
- ETL and ARI Listed

Application Flexibility
Minimizes Installation Time and Reduces Cost

○ High Efficiency
Heat Pump Option

○ Modulating
Dehumidification

○ Part Load
Capability

○ Quiet Operation

F1 Series

Indoor Air Handlers

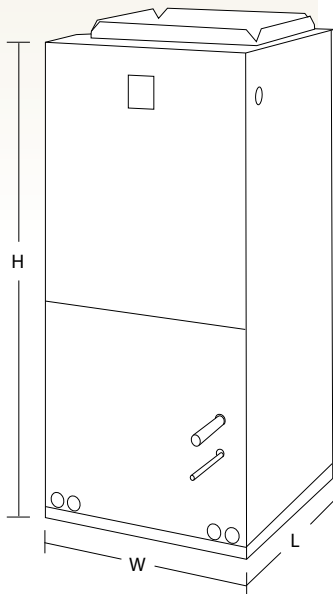
AAON F1 Series indoor air handlers can be used for residential and light commercial applications. The F1 Series air handler and AAON CB Series condensing unit have been designed and engineered to work together as a high efficiency system. They can be matched to create a high efficiency cooling split system air conditioner or high efficiency heating and cooling split system heat pump.

Superior Features

- Direct drive forward curved variable speed ECM driven supply fan provides quiet and energy efficient airflow.
- Galvanized steel construction with foil faced insulation and a removable double wall service compartment panel allow the unit to be easily cleaned and maintained.
- Sloped composite drain pan, with drain connections available on either side of the unit, resists corrosion and makes the unit easy to install.
- Factory installed TXV reduces start up time and performs more efficiently than a fixed orifice design.
- Non-ozone depleting R-410A refrigerant, which is unaffected by the refrigerant phase-out, is both environmentally friendly and maintainable.
- Filter rack with quickly replaceable 1" fiberglass air filter.

Premier Options

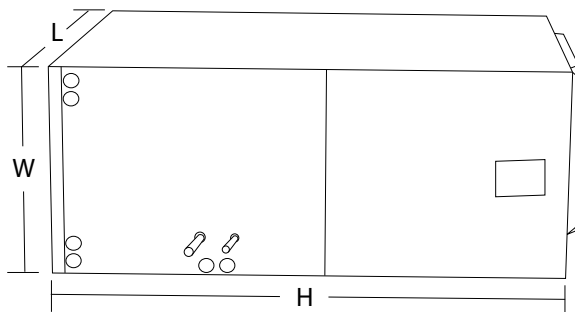
- Electric, hot water, or heat pump heat options provide heating design flexibility.
- Modulating humidity control for energy efficient and comfortable dehumidification.
- Vertical (Upflow) and Multi-Position (Upflow or Horizontal) options for application flexibility.
- Painted external cabinet finish to provide the unit with corrosion resistance and longer life.
- Standard 5 and optional 10 year residential parts warranties, when matched with a CB Series condensing unit.



F1 Model	Nominal CFM	Width	Height*	Length
024	800	22	51	21
036	1,200			
048	1,600	26	59	22
060	2,000			

All dimensions are in inches.

* Add 6" for Modulating Humidity Control or 8" for Hot Water Coils.



Vertical & Multi-Position



Matching CB and F1, Air Conditioner Performance			
Condensing Unit	Air Handler	Nominal Capacity	SEER/EER
CB-024	F1-024	24 MBH / 2 Tons	Up to 17.30 SEER/ Up to 13.80 EER
CB-036	F1-036	36 MBH / 3 Tons	
CB-048	F1-048	48 MBH / 4 Tons	
CB-060	F1-060	60 MBH / 5 Tons	

Matching CB and F1, Heat Pump Performance				
Condensing Unit	Air Handler	Nominal Capacity	SEER/EER	HSPF
CB-024	F1-024	24 MBH / 2 Tons	Up to 15.80 SEER/ Up to 13.05 EER	Up to 9.70
CB-036	F1-036	36 MBH / 3 Tons		
CB-048	F1-048	48 MBH / 4 Tons		
CB-060	F1-060	60 MBH / 5 Tons		

Split System Heat Pump

Energy efficient heating option that allows a split system to be able to provide on demand cooling and heating with the refrigeration circuit. Option is available as a matched split system with an F1 Series air handler and matching CB or CC Series condensing unit

Split System Modulating Humidity Control

This premier option provides energy efficient dehumidification, even at low sensible heat loads, with modulating valves that reduce temperature swings. During the dehumidification mode of operation the system uses the valves to control the amount of reheat provided by the factory installed reheat coil, thus dehumidifying the air while at the same time supplying comfortable, room temperature air. Moisture related indoor air quality issues, such as mold growth, condensation, and structural deterioration, are minimized, or eliminated, by reducing the space humidity while enhancing occupant comfort.

Variable Speed ECM Driven Supply Fan

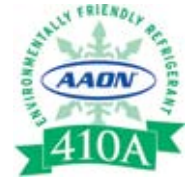
Factory installed and configured variable speed ECM driven supply fan for each F1 Series model and can be field configured and optimized based on the local climate and application. ECM technology is both reliable and ultra-high efficiency, dramatically increasing the system's SEER ratings. The electronically controlled motor quietly varies the fan speed to maintain air volume and provide exceptional temperature control for consistent comfort.



F1 Series
Indoor Air Handlers

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



Condensing Units



Air-Cooled or Evaporative-Cooled Chiller



Self Contained



Outdoor Air Handling Units



Indoor Air Handling Units



Boiler



Custom Indoor or Outdoor Air Handling Units



Defining Quality. Building Comfort.

It is the intent of AAON to provide accurate and current product information. However, in the interest of product improvement, AAON reserves the right to change pricing, specifications, and/or design of its product without notice, obligation, or liability.

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