



VertiCool™ Aurora



- 3 to 35 Tons
- Air-Cooled
- Water-Cooled
- Water Source Heat Pump
- Splittable with Resealable Refrigerant Fittings

Unique Solutions for All-Indoor HVAC Projects

Versatile Design; Rugged Construction

The VertiCool Aurora provides a versatile design in a floor mounted air conditioning system. Cabinets can be placed in the conditioned space, next to walls, in closets or mechanical rooms. VertiCool Aurora units are **ideal for renovation and replacement projects**, including tenant fit-out and add-on spot cooling in single or multi-story structures.

Systems are available as air-cooled, water-cooled or water source heat pump configurations. Multiple air path configurations provide additional flexibility to handle most application requirements as either ducted or free blow. The desired air path is set at the factory so no field labor is required.



Units are built-to-order and arrive with a factory charge of R-410a refrigerant for an installed cost advantage. A wide variety of options and system configurations allow the units to be tailored to meet your application requirements. Modular construction means that the units can be shipped split to help get the systems into the installation location easily, many times without building modification or alteration.

The All-Indoor Solution means that there is no equipment located outside which eliminates theft, vandalism and weather related damage and concerns. The building architecture is enhanced and roof loading and clutter is reduced. Ducted applications typically require less duct work, which lowers installation costs, blower operating costs and reduces the duct heat loss/gain.

FEATURES

- 3 to 35 tons
- Air-Cooled or Water-Cooled (3 – 35 Tons), Water Source Heat Pump (12 – 35 Tons)
- 1/2" Dual-Density Thermal/Acoustic Insulation
- Easily Removable Front/Side Access Panels
- Scroll Compressors
- Premium Efficiency Motors
- IAQ-style Double Sloped SS Drain Pan
- Factory Installed Duct Flanges
- 2" MERV8 Pleated Throw-Away Filters
- Controls and Service Fittings Accessible while unit is operating
- Externally Visible Sight Glass/Moisture Indicators
- Functionally Run Tested Prior to Shipment
- Draw Through Air Flow
- Interlaced Evaporator Coils (Dual Circuit Units)

Avoid Requirements that Lead to Extra Expense

Expensive Equipment, Rigging or Permits

Our units fit thru standard doors, hallways & elevators eliminating crane rentals, rigging crews & permits.



Equipment Damage Due to Weather

All indoor installation avoids premature replacement costs & downtime due to weather damage.



Roofcurbs or Roof Penetration

Removes expensive curb equipment & installation labor cost reducing possible roof water damage.



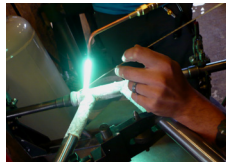
Possibility of Theft or Vandalism

Eliminates expensive repairs & replacements due to theft & vandalism enhancing building security.



Field Piping, Brazing, Evacuation or Charging

Factory charged & utilizing Resealable Refrigerant Fittings speeds installation & commissioning.



Field Testing of Installed Product

Minimizes field-testing as units are tested prior to shipment reducing labor and expediting installation.



Excessive Downtime when Replacing Old Systems

Sectional shipments accelerate installation and can be installed off-hours or weekends.



Outdoor Servicing of Product

Outdoor/premium service expense in extreme weather completely eliminated, improving reliability while removing roof safety issues.



Architectural Damage to Building

Eliminates expenses for code approvals and minimizes any type of building alteration.



Major Ductwork or Electrical Modifications

Units ordered to closely match existing duct and utility locations leading to saving labor and time.



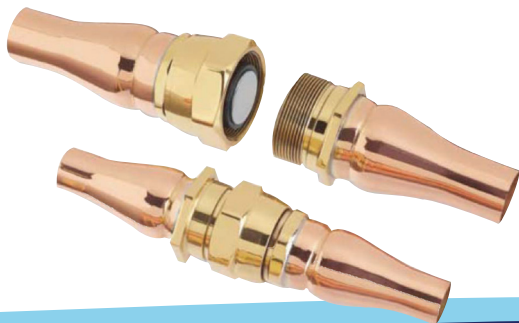
No Compromise in Performance with Built-to-Order Design

Built to exact requirements with extensive list of configurations and over 100 options.



Exterior Condensing System

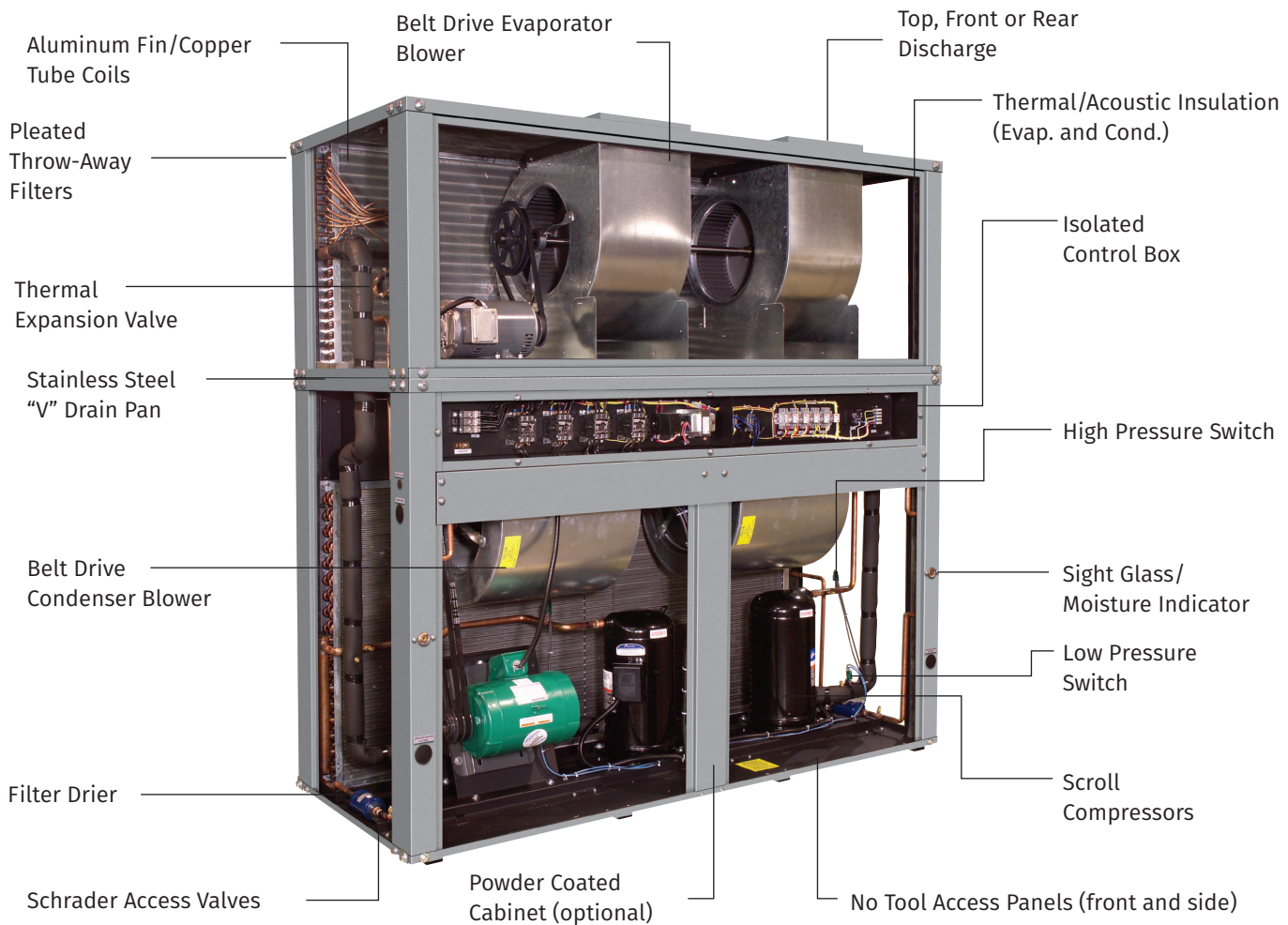
Eliminates rooftop & pad installation space & cost.



Resealable Refrigerant Fittings

Most models feature Resealable Refrigerant Fittings. Unit sections can be shipped split or split in the field without losing the factory charge resulting in no field brazing and a total installed cost advantage. Mating male and female fittings used on the refrigerant lines allow units to be evacuated, charged and leak tested prior to shipment. Modular sections can then be separated for rigging and installation and then reconnected for system operation.

More Features for Better Operation





OPTIONS

- Powder Coated Cabinets
- Hot Water, Steam or Electric Heat/Reheat
- Double Wall Cabinet Construction (Perforated or Solid)
- Discharge Plenum with Grilles or Duct Flanges
- Protective Coil Coatings
- Head Pressure Control Valves
- Low-Ambient Controls
- Air or Water Side Economizers
- Motor Upgrades for up to 1.5" ESP
- Variable Frequency Drive
- Hot Gas Reheat
- Marvel Microprocessor Controls
- BMS Interface

Ideal for Renovation and Replacement Projects

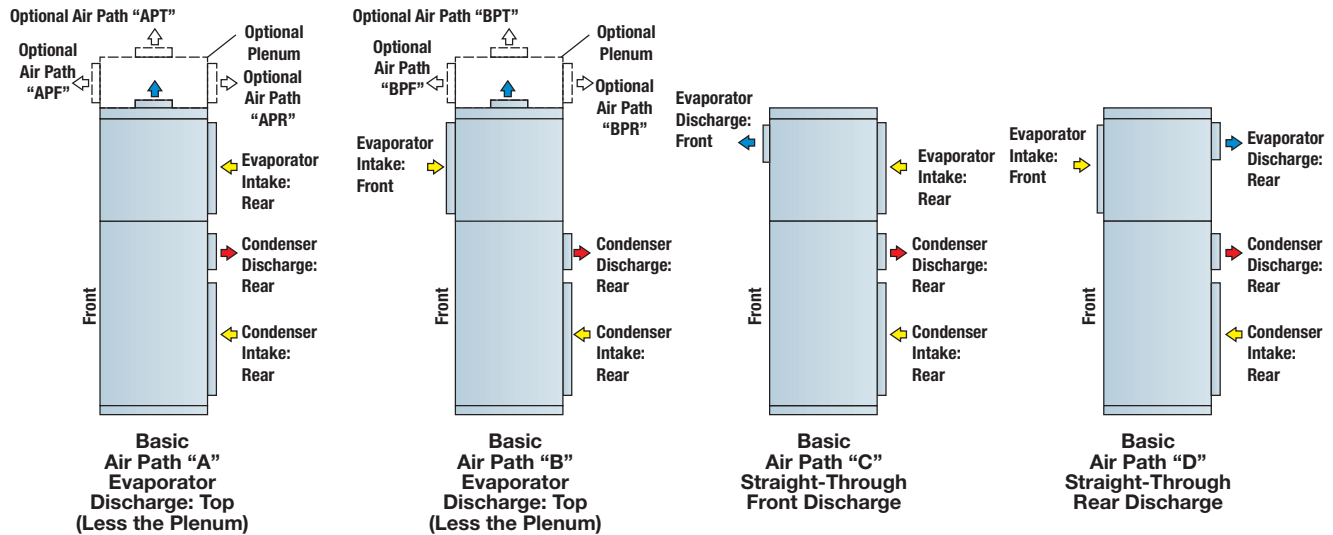


APPLICATIONS

- Offices
- Retail Spaces
- Schools/Universities
- Healthcare Buildings
- Historical Buildings
- Industrial/Manufacturing
- Remote or Isolated Areas
- Add-on Spot Cooling
- Limited Access Areas
- Restaurants

Air Path Configurations

Evaporator discharge air path can be top, rear or front; ducted or free-blow.
Air path is set at the factory so no field modification is required.



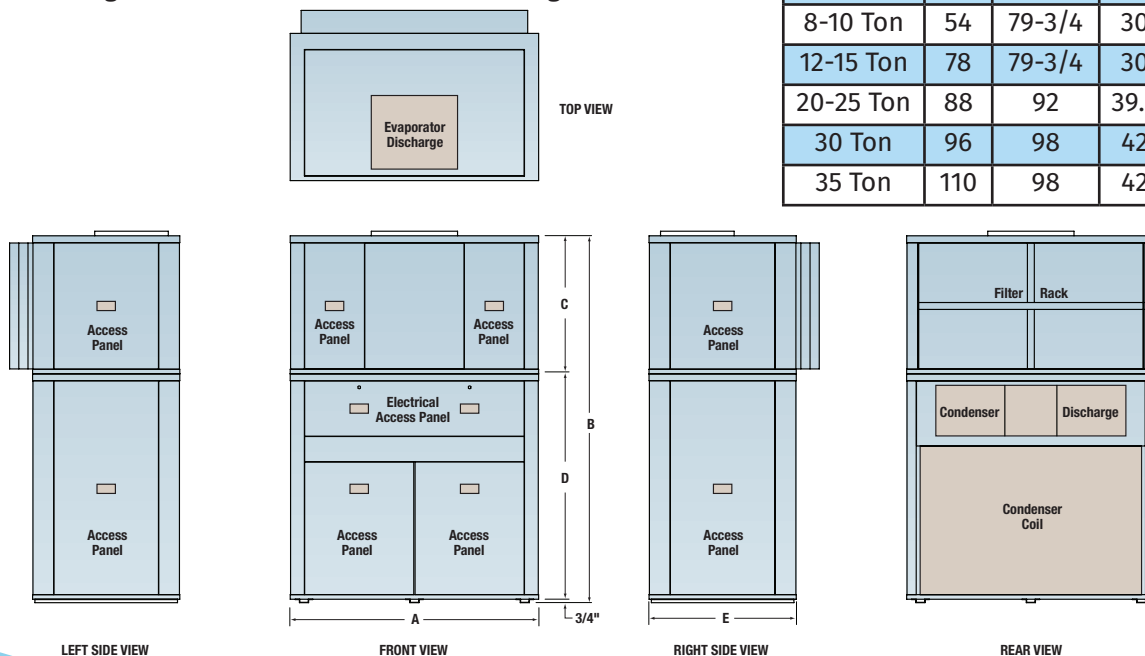
Note: Air-cooled and water-cooled air paths are the same.

To view more drawings, please visit our website at www.unitedcoolair.com/aurora-drawings

Dimensions

Top discharge illustrated. Front and rear discharge available.

	A	B	C	D	E
3-5 Ton	30	79-3/4	30	49	32
8-10 Ton	54	79-3/4	30	49	32
12-15 Ton	78	79-3/4	30	49	32
20-25 Ton	88	92	39.5	52.5	38
30 Ton	96	98	42	56	42
35 Ton	110	98	42	56	42



Case Studies

CYRUS ONE

CARROLTON, TX

The Challenge

Portable UPC container required a change moving the HVAC units from outside hanging on the side to the interior. Damage and vandalism was increasing causing downtime for these critical power units



The Solution

United CoolAir's all indoor products were exactly what was needed. Our 25 ton VertiCool Aurora with a plenum, E5 Kw electric heat fit internally to the container eliminating damage, vandalism, and putting this inside for Easter service.

Notable Clients

- McDonalds
- Howard University
- Tufts University
- DC Metro Stations
- HT & T
- Children's Hospital of Richmond

GREAT CLIPS

BERKLEY, MI

The Challenge

During a recent tenant fit-out, Great Clips needed HVAC units that fit inside the building. Due to the building architecture, there was nowhere on the roof or ground outside for equipment.



The Solution

United CoolAir was able to provide 3 VertiCool Aurora 4/5 ton units that could be installed indoors. Utilizing louvers in the rear of the building for condenser air and a small footprint to save valuable floor space the units solved the clients need for air conditioning.

Notable Clients

- Under Armour
- International Paper
- L'Oréal Store NYC
- Gap
- Panama Canal

Unique Solutions for All-Indoor HVAC Projects



VertiCool™ Aurora
Vertical, 3 - 35 Tons



VariCool® Renovator
42 - 80 Tons



VariCool® EZ-Fit
VAV, 12 - 90 Tons



Alpha Aire Horizontal & Vertical
100 - 500 CFM



Portable Cooling and Heating Units
3-30 Tons



C13-Series Horizontal
2 - 10 Tons



C-Series Horizontal
1 - 15 Tons

Special Configuration
Engineered to Order



OmegaAir™ Horizontal & Vertical
100% Outside Air
150 - 3000 CFM

Authorized Distributor:



LIMITED WARRANTY

United CoolAir Units are backed by a 1 year limited warranty on parts and a 5 year limited warranty on the compressor (labor not included). Maintenance items such as filters and belts are excluded under this limited warranty.

FACTORY TESTED

All units are functionally run tested before shipment to ensure a trouble-free start-up and unit commissioning. Industry proven components are used throughout to enhance system reliability and peace of mind.



Scan to learn more
about all of our
products!

 **UNITED
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All-Indoor Solutions

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