



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, Water-Cooled, Water Source Heat Pump
- 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

- Equipment can be shipped in sections
- Fits easily through standard doors, hallways, and into elevators
- Minimizes the need for crane rentals, rigging crews, and municipal permits

Roofcurbs or Roof Penetration

- Eliminates expensive curb equipment cost
- Reduces installation labor
- Eliminates possible roof water damage

Field Piping, Brazing, Evacuation or Charging

- Factory charged and utilizes
- Resealable Refrigerant Fittings
- Reduces installation labor
- Faster installation and commissioning

Excessive Downtime when Replacing Old Systems

- Sectional shipments accelerate installation
- Can be installed off-hours and on weekends
- Shipment can be made to coincide with installation schedules

Architectural Damage to Building

- Eliminates expenses for code approvals
- Requires no rigging holes through building walls
- Minimizes any type of building alteration

Compromise in Performance With Built-to-Order Design

- Units are built to exact requirements
- Avoids purchase of excess capacity from standard product offerings
- Extensive list of configurations and options

Equipment Damage Due to Weather

- All equipment is installed indoors
- Avoids premature replacement costs due to weather wear and/or damage
- Eliminates downtime due to severe storms

Possibility of Theft or Vandalism

- Eliminates expensive repairs and replacements due to theft and vandalism
- Enhances building security by eliminating interruption to service
- Eliminates extra cost for cages and special alarms

Field Testing of Installed Product

- Minimizes field testing as units are functionally tested prior to shipment
- Reduces labor and speeds installation
- Assures trouble-free start-ups

Outdoor Servicing of Product

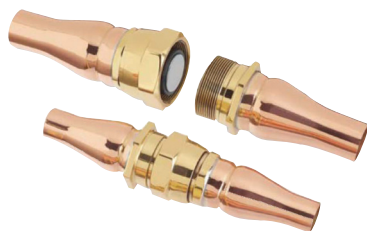
- Outdoor/premium service expense in extreme weather completely eliminated
- Improves reliability
- Eliminates roof safety issues

Major Ductwork or Electrical Modifications

- Units ordered to closely match existing duct and utility locations
- Major installation, labor and time savings

Exterior Condensing System

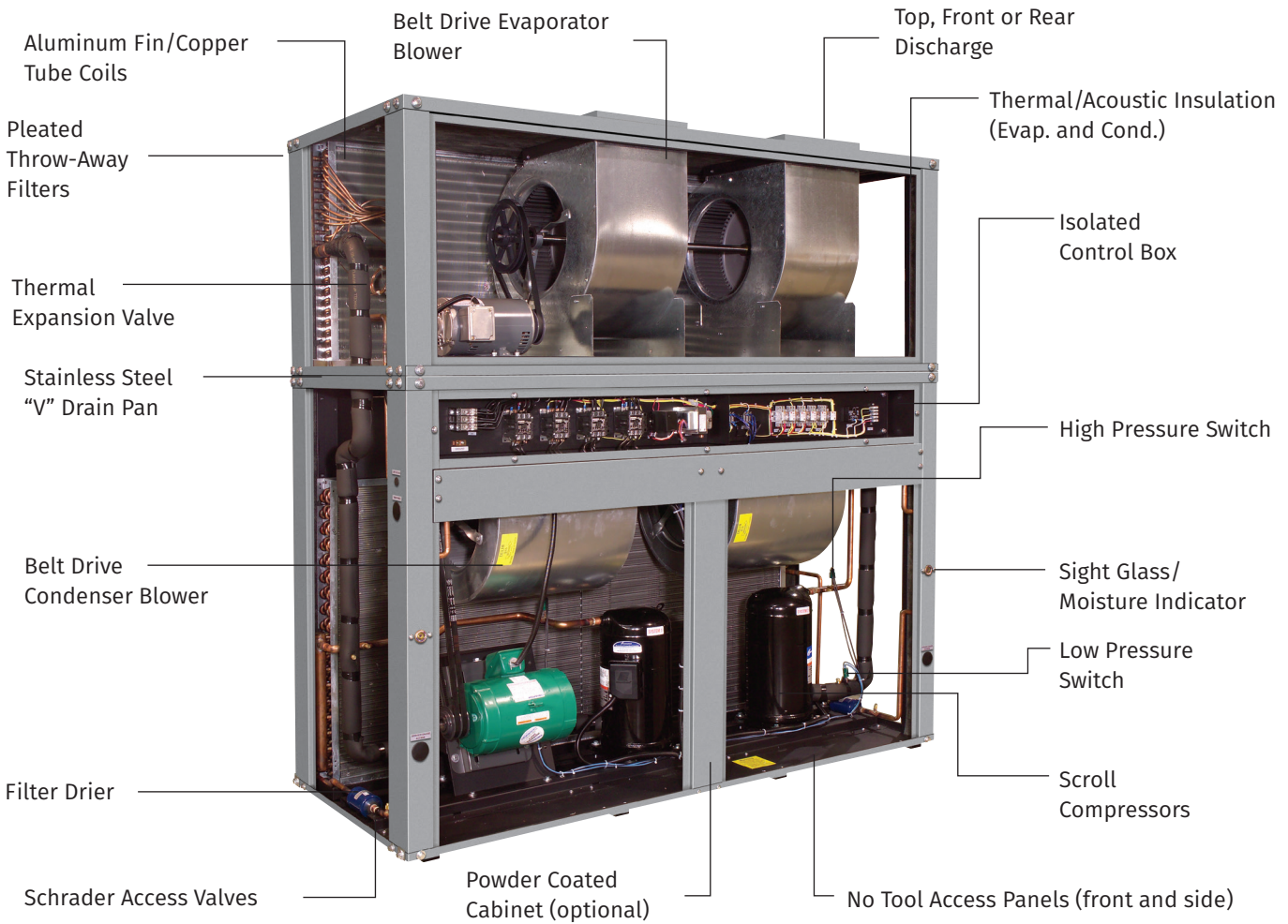
- Eliminates rooftop and pad installation space and cost
- Water-Cooled and Chilled Water configurations eliminate unsightly equipment outdoors



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.

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

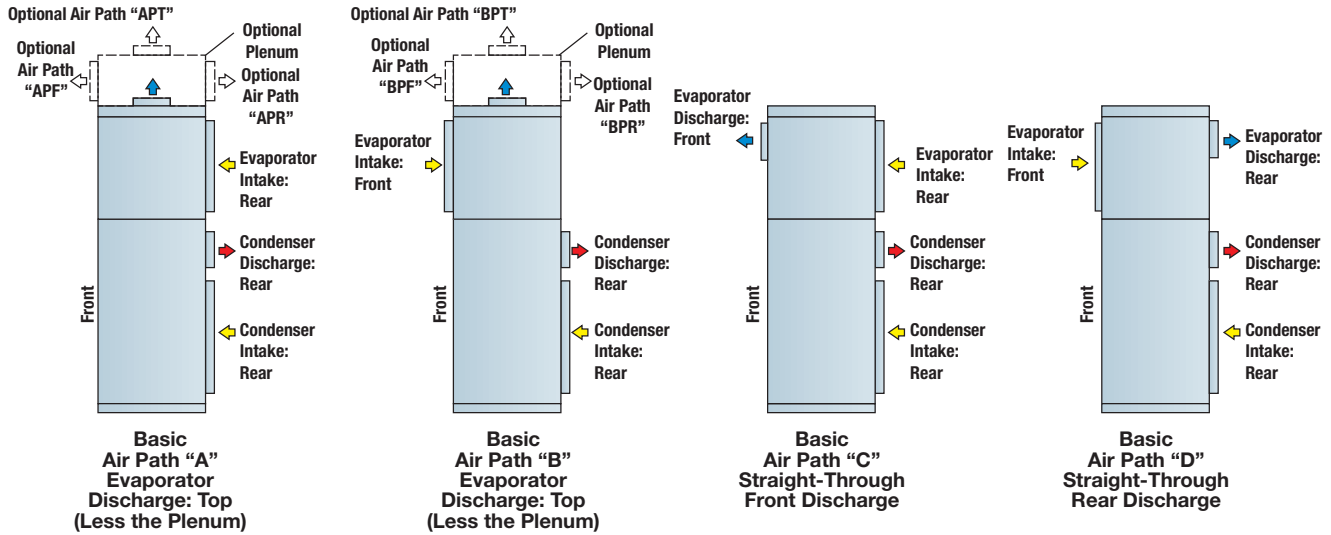


APPLICATIONS

- 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.

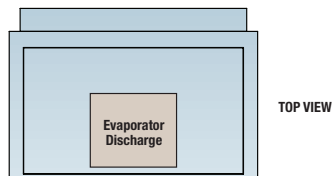


Note: Air-cooled and water-cooled air paths are the same.

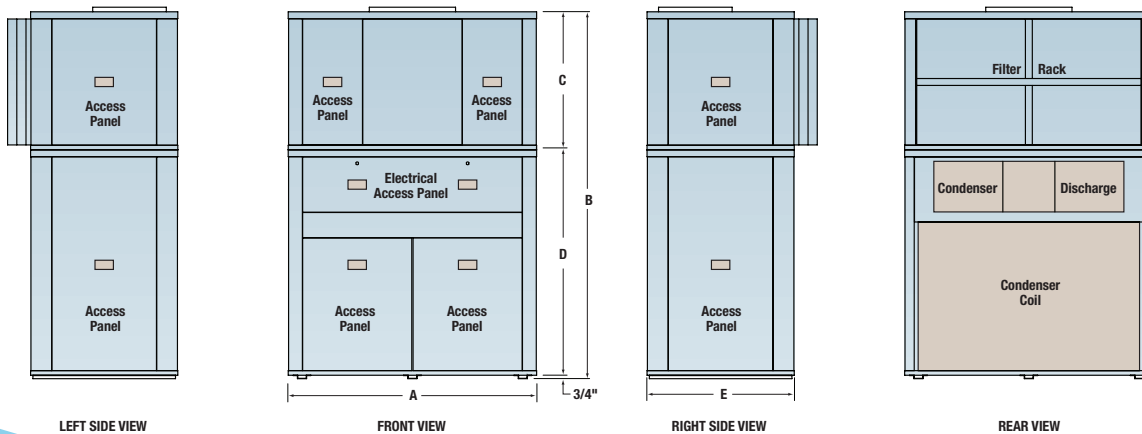
To view more drawings, please visit our website at www.unitedcoolair.com/aurora-drawings

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



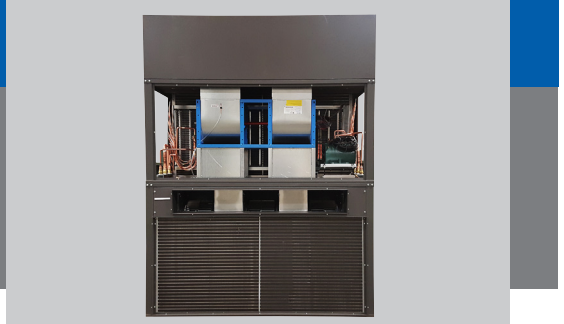
Case Studies

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 Classic
Vertical, 3 - 30 Ton

VertiCool Aurora
Vertical, 3 - 35 Tons

VariCool®
VAV, 9 - 70 Tons

VariCool® EZ-Fit
VAV, 12 - 90 Tons

Alpha Aire
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 and 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.



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about all of our
products!



491 East Princess Street, York, PA 17403 Phone: 717-843-4311 Fax: 717-854-4462
email: uca@unitedcoolair.com web: www.unitedcoolair.com



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