

VertiCool **Aurora**

- Self-Contained Air-Cooled Vertical Comfort Systems
- 3 - 15 Tons (up to 35 Tons Coming Soon)
- Air-Cooled and Water-Cooled
- R-410a Refrigerant
- High Efficiency



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More Features for Better Operation

Versatile Design

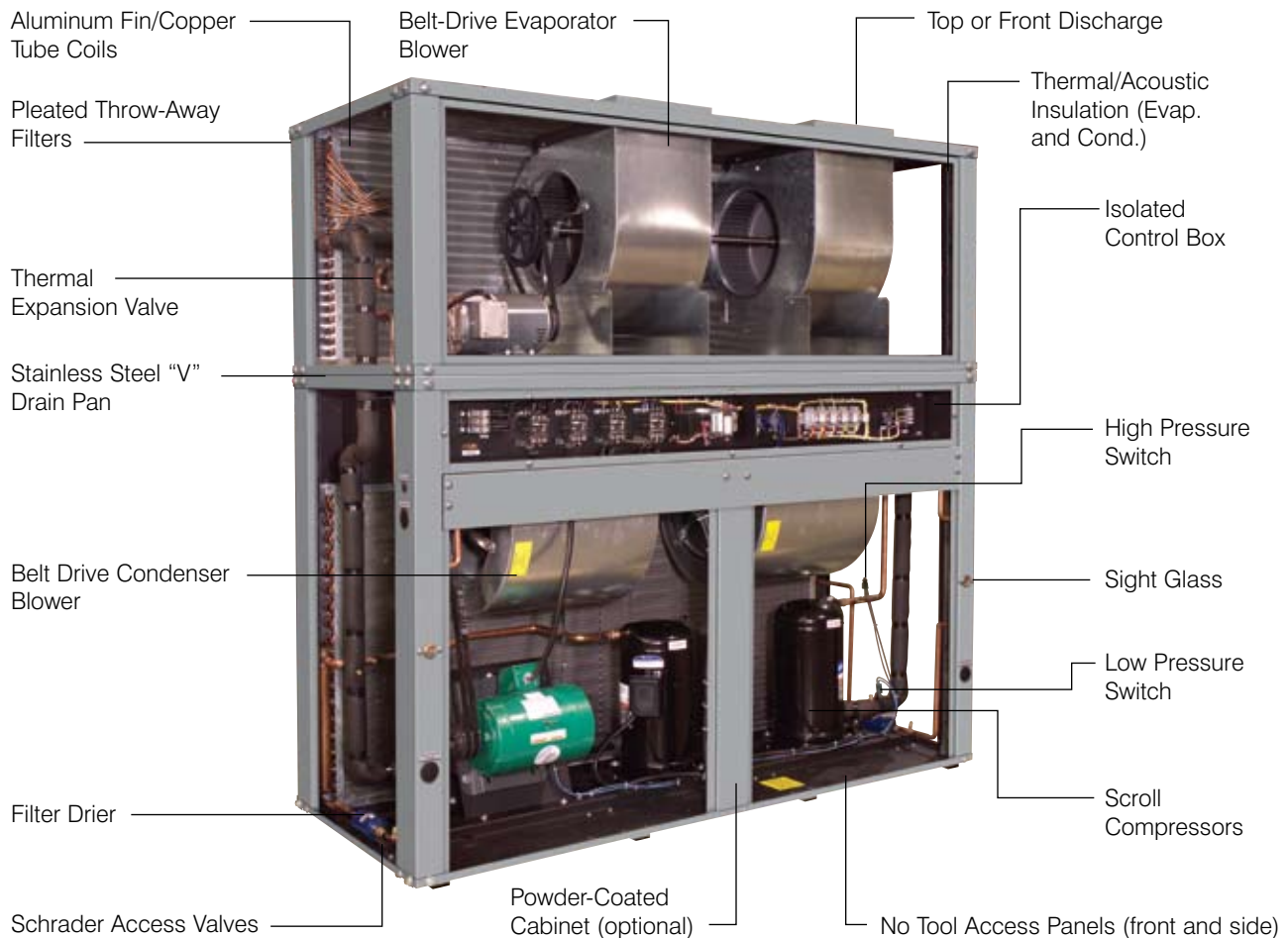
The VertiCool Aurora generation of vertical floor-mounted indoor self-contained units lead the industry in high efficiency air conditioning. These units can be built to order for specific applications, such as unique refrigerant components or air path configurations. Designed with quality components, each VertiCool Aurora ensures reliable performance whether units are matched with air- or water-cooled condensing sections. There is a split-able feature for 3-10 tons (optional) as well as the standard on 12-15 tons to help move the units into place.

Rugged Construction

The galvanized structural metal frame of the VertiCool Aurora provides unit strength and rigidity. High-density acoustical insulation maintains noise levels at a minimum.

VertiCool Aurora Self-Contained Units Include These Features

- **R-410a refrigerant factory charge**
- Scroll compressors
- Filter drier (each circuit)
- Access panels without use of tools
- Sight glass visible from exterior of cabinet
- Externally equalized thermal expansion valves
- Accessibility to Schrader fittings for refrigerant pressures while unit is operational
- High and low pressure controls with manual reset lock-out
- IAQ-style stainless steel drain pan
- Tooled access to single control box while unit is operational
- ESP up to 1"
- Duct flanges factory installed
- Draw-through air flow
- 30%, 2" pleated throwaway filters (standard air path rear return/top supply)
- Fully insulated cabinet with 1/2" dual-density thermal/acoustic insulation
- Transformer with built-in circuit breaker
- 24-volt control circuits
- Functionally run tested before leaving the factory
- Limited warranty 1 year on parts and 5 years on compressor

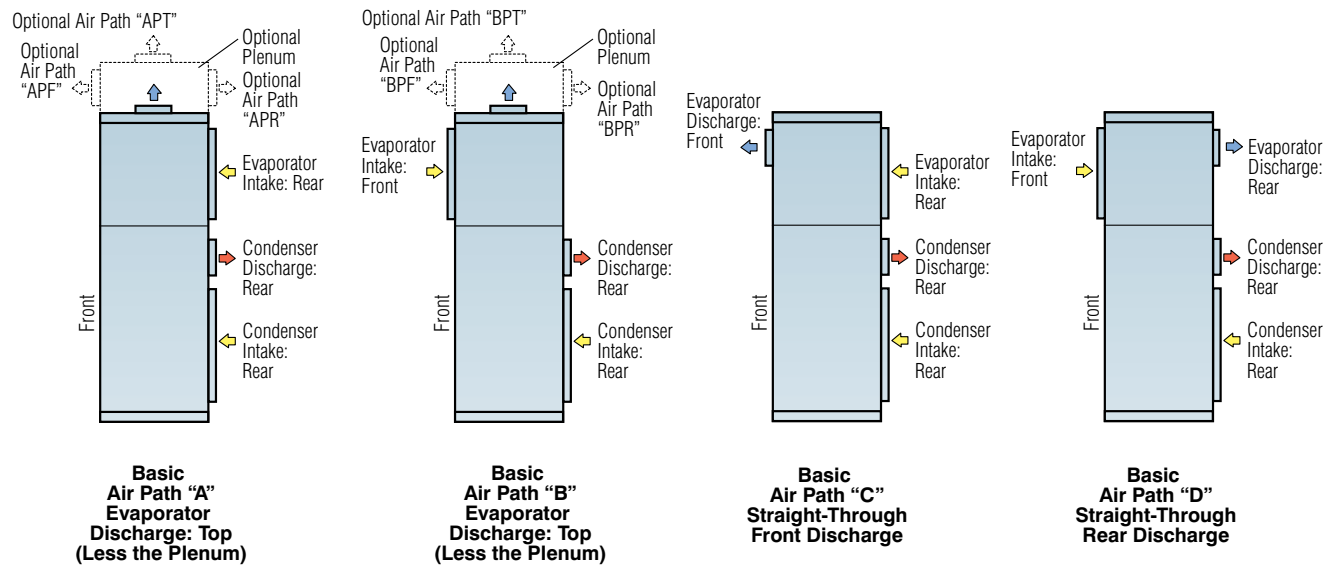


VertiCool Aurora: Technical Data

Adjustable Airflow Configurations

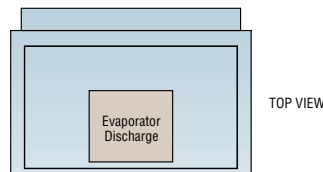
Evaporator discharge air path can be top, rear or front; ducted or free blow. Air path is set at the factory so no field modification is required.

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

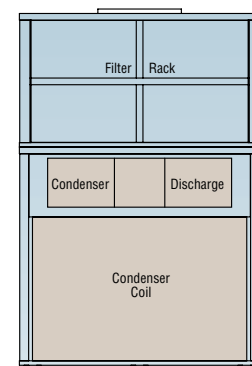
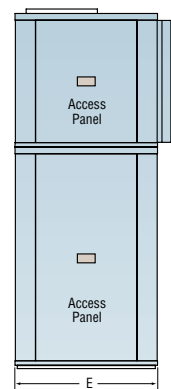
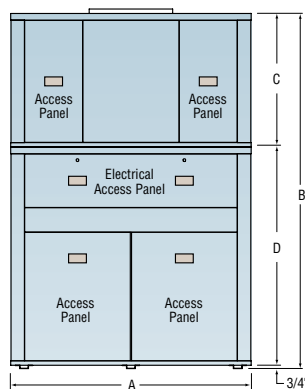
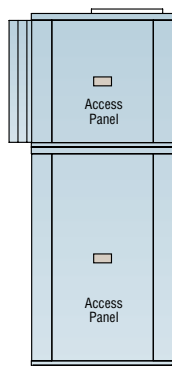


Dimensions

Top discharge illustrated.
Front 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	79-34	30	49	32



VertiCool Aurora: Technical Data

Up to 35 Tons Coming Soon

	Tons	3	4	5	6	8	10	12	15
EER		12.7	11.6	10.4	12.1	10.9	9.6	11.1	9.2
Total (b,c)	BtuH	36,850	46,710	58,415	73,340	94,340	116,795	142,100	177,810
Sensible (b,c)	BtuH	27,270	34,915	42,900	54,340	69,330	84,810	107,340	131,140
Evap. Supply Air	CFM	1200	1600	2000	2400	3200	4000	4800	6000
	Std. ESP	0.25"							
	Max. ESP (a)	1.0"							
Evap. Blower	Size	10-10			15-15			15-11	
	Qty.	1			1			2	
Evap. Motors	Std. HP	1/3	1/2	3/4	1/2	1	1-1/2	1-1/2	2
	Opt. HP	3/4	3/4	1	1-1/2	1-1/2	3	3	3
Evap. Coils	Rows	3							
	Face Area	4.67			9.33			14.00	
	FPI	12							
Filter	Type	Pleated Throwaway							
	Qty.	2			4			6	
	Dimensions	14 x 25 x 2							
	Efficiency	MERV 8							
Compressor	Type	Scroll							
	Qty.	1			2				
Cond. Air	CFM	1800	2400	3000	3600	4800	6000	7200	9000
	Std. ESP	0.25"							
	Max. ESP	1.0"							
Cond. Blower	Size	15-11							
	Qty.	1			2				
Cond. Motors	Std. HP	1/3	1/2	1	3/4	1	2	3	5
	Opt. HP	3/4	1	1-1/2	1-1/2	2	3	5	7-1/2
Cond. Coil	Rows	4							
	Face Area	5.33			10.67			16.00	
	FPI	16							
Available Voltages	208/230-1-60	•	•	•	•	•	•		
	208/230-3-60	•	•	•	•	•	•	•	•
	460-3-60	•	•	•	•	•	•	•	•

(a) Requires optional motor/drive upgrade

(b) Capacities are gross values and are not adjusted for motor heat. Units rated at 400 CFM/Ton, 80° F DB/67° F WB/95° F OD

(c) Some refrigeration circuit components may impact unit capacities



Proudly Made in the USA

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