

Versatec 700

Water Source/Geothermal Heat Pump

2 - 6 Ton



Formerly known as Variable Speed Small & Large

Water-Furnace
Commercial Solutions

VARIABLE CAPACITY FOR COMMERCIAL APPLICATIONS

The WaterFurnace line of commercial variable capacity water source and geothermal systems offers the industry the absolute best in efficiency while maintaining the small cabinet your building needs. Available in nominal 2-6 ton models, the commercial variable capacity product features Aurora Advanced Controls with true energy, refrigeration, and optional performance monitoring as well as the optional Aurora UPC DDC Controls to integrate into building automation systems. With a capacity range of 25-100%, the WaterFurnace variable capacity system will scale its output to what your building actually needs, maximizing occupant comfort levels and minimizing energy consumption.

Variable capacity provides the most efficient output for a wide range of commercial applications.



KEY FEATURES

MODEL SIZES: All nominal 2-6 ton models are available in both horizontal or vertical configuration for versatility in any application.

WIDE CAPACITY RANGE: The variable speed unit operates at the speed it needs to condition the space and varies itself between 25% and 100% capacity resulting in the most efficient and comfortable conditioning possible.

VARIABLE CAPACITY COMPRESSOR: Copeland Gen2 variable speed scroll compressors and inverter drives deliver the utmost in efficiency and capacity modulation. The Gen2 compressor features a brushless permanent magnet motor along with variable volume ratio and high volumetric efficiency valves to provide outstanding performance and reliability.

AURORA ADVANCED CONTROLS : Electronic expansion valve and modulating water valve control, true energy monitoring, refrigeration monitoring, and optional performance monitoring are only some of the benefits from the Aurora Advanced Controls.

AURORA UPC DDC CONTROLS: An optional DDC control utilizing BACnet, N2, or LON protocols is available and will tie into a building automation system smoothly for even more control.

ALL-ALUMINUM AIR COILS: An aluminum air coil is featured in all commercial variable capacity units to provide exceptional durability and high efficiencies. Added protection is also available with an optional AlumiSeal™ coating.

ELECTRONIC EXPANSION VALVE (EEV): The EEV with superheat envelope control provides optimal refrigerant flow in the variable capacity system ensuring high efficiency and compressor reliability.

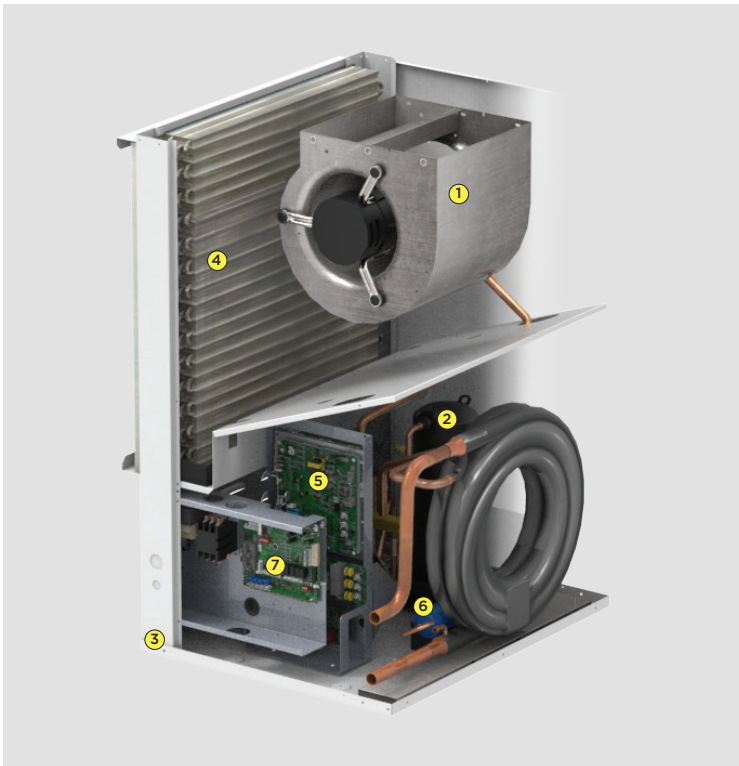
INTEGRATED EC DIRECT DRIVE FAN MOTORS:

Models 024-072 feature a variable speed ECM fan motor with an oversized forward curve blower providing high efficiency and constant CFM quietly no matter the external static pressure.

CONTROLS OPERATION: The advanced 4.3" color touch-screen thermostat with humidity sensing provides a standard thermal control mode which allows the compressor and blower motor to modulate for maximum efficiency. The Aurora Advanced Controls can be configured to deliver constant air flow regardless of compressor capacity in applications that blower modulation is not required. With the optional DDC controls, a wide range of zone sensors are available to match customer requirements and can be configured for either variable or constant discharge air temperature control.

CABINET: The cabinets utilize a compact footprint and are constructed of heavy gauge environmentally responsible galvanized steel for maximum corrosion resistance. Units are available with a durable white powder coat finish or unpainted. All interior surfaces are lined with 1/2" thick, foil lined acoustic type fiber insulation, applied in a manner that prevents the introduction of glass fibers into the air stream.

FILTER RACK/RAIL: Redesigned filter rack includes a standard 2" filter rail with a 1" MERV 4 filter. Options include a 2" four-sided filter rack suitable for ducted applications, and a 2" filter rail with MERV 13 high-efficiency air filter.

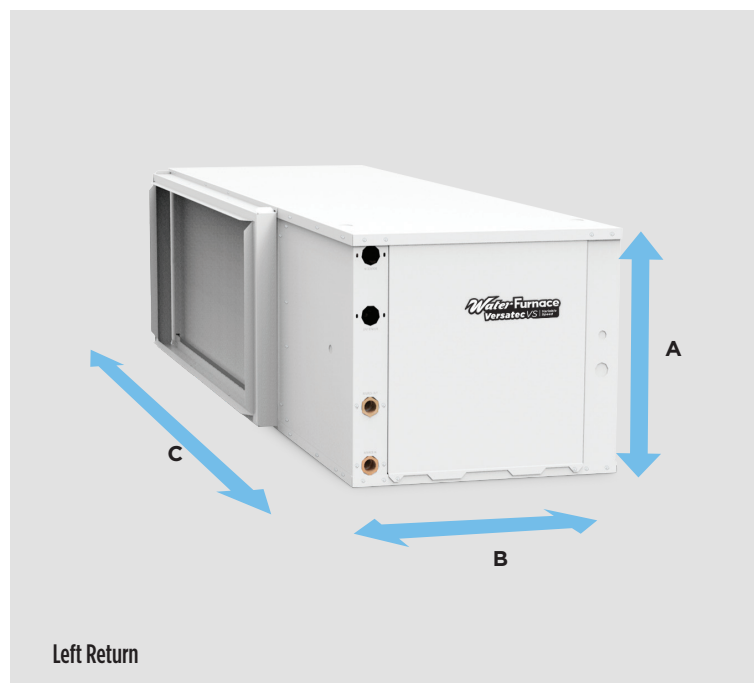
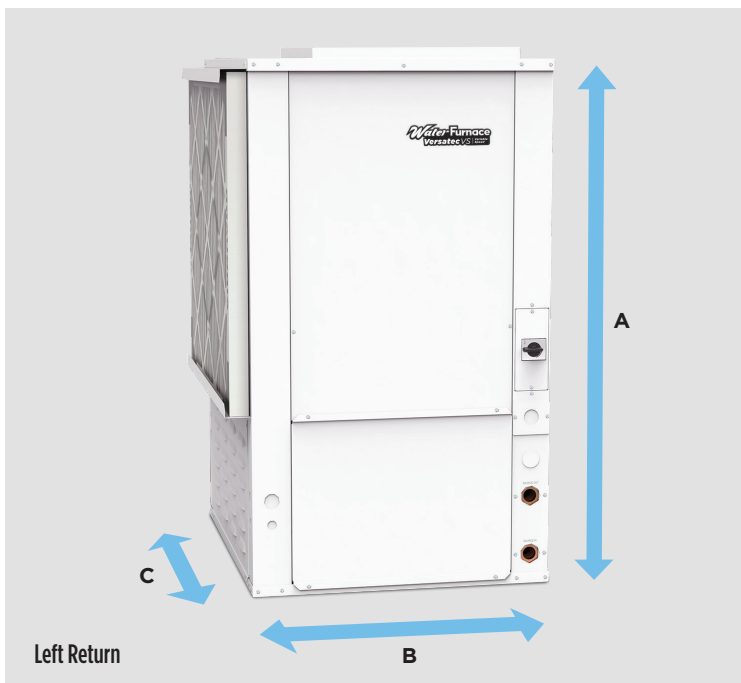


- ① Variable Speed ECM Blower
- ② Variable Capacity Compressor
- ③ Compact Footprint
- ④ All-Aluminum Air Coil
- ⑤ Aurora Advanced Controls
- ⑥ Electronic Expansion Valve
- ⑦ Aurora UPC - BACnet, N2 and LON

5 horizontal and 5 vertical designs create maximum application flexibility.

Vertical Model	A	B	C
024	44.2"	25.5"	31.2"
036	44.2"	25.5"	31.2"
048	48.2"	25.5"	31.2"
060	52.2"	25.5"	31.2"
072	52.2"	25.5"	31.2"

Horizontal Model	A	B	C
024	21.2"	25.5"	57.0"
036	21.2"	25.5"	57.0"
048	21.2"	25.5"	63.0"
060	21.2"	25.5"	70.0"
072	21.2"	25.5"	75.0"





ASK US HOW YOU CAN SAVE UP TO 50% ON YOUR NEXT COMMERCIAL PROJECT

With the Inflation Reduction Act, projects completed with a geothermal loop and heat pumps may qualify for:

- 30% bonus rate
- 10% bonus rate for domestic content
- 10% Energy Community bonus
- Up to \$5 per square foot tax deduction
- 5-year accelerate depreciation and a 1-year bonus depreciation



SCAN TO LEARN MORE

AHRI/ISO 13256-1 PERFORMANCE RATINGS

VS ECM Motors

AHRI/ASHRAE/ISO 13256-1
English (IP) Units

Model	Capacity Modulation	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
				Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling Brine Full Load 77°F Part Load 68°F		Heating Brine Full Load 32°F Part Load 41°F	
		gpm	cfm	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
024	Full	6	800	23,500	18.7	29,300	5.9	27,300	37.4	23,400	5.0	25,500	23.6	17,800	3.9
	Part	7	700	9,500	21.0	11,000	7.0	11,000	48.0	8,000	5.5	10,500	36.0	7,000	4.4
036	Full	9	1300	37,500	17.8	46,000	5.4	43,000	28.0	37,000	4.4	39,000	21.0	29,000	3.8
	Part	7	700	9,500	21.0	11,000	7.0	11,000	48.0	8,000	5.5	10,500	36.0	7,000	4.4
048	Full	12	1600	47,500	16.6	60,000	5.4	53,000	26.0	46,000	4.7	48,000	20.0	38,000	3.8
	Part	8	850	13,000	25.0	15,000	7.8	15,000	50.0	12,000	5.5	14,000	41.0	10,000	4.9
060	Full	17	1800	60,000	15.4	73,000	4.8	63,000	24.0	57,000	4.2	62,000	17.8	45,000	3.7
	Part	10	1200	16,000	21.0	17,000	7.8	18,000	45.0	14,000	5.3	18,000	36.0	11,000	4.4
072	Full	20	2000	70,000	14.0	90,000	4.6	78,000	21.0	72,000	4.0	71,500	16.4	58,000	3.4
	Part	12	1400	19,500	20.4	23,000	7.4	24,000	40.0	18,000	5.4	22,000	34.0	15,000	4.8

1/26/2021

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Heating capacities based upon 68°F DB, 59°F WB entering air temperature
All ratings based upon 208V operation



BR2750AU 06/23

visit us at waterfurnace.com