



Versatec Ultra

**Commercial 0.75 to 6 Ton
Water Source/Geothermal Heat Pumps**



VERSATEC ULTRA

The Versatec Ultra series represents a significant improvement in the commercial water source heat pump (wshp). The product features high efficiency with industry leading standard options in a compact cabinet suitable for both retrofit and new construction applications. It is also designed to provide optimum performance and flexibility in both water loop and geothermal applications.

The Versatec Ultra series exceeds ASHRAE 90.1 efficiencies, while utilizing environmentally friendly R410A refrigerant. This product was designed to adhere to the footprint of lower efficiency legacy equipment while operating at the high efficiencies of today's technology. The Versatec Ultra is available in a wide selection of capacities (009-070 kBtuh output), cabinet sizes, and an array of factory installed options to offer unmatched application flexibility.

Versatec Ultra:
What you need from a retrofit,
with the quality you expect
from WaterFurnace.

KEY FEATURES

COMPRESSOR: Scroll or rotary single speed, in commercial voltages, mounted on a double isolation system. Also available with Super Quiet Sound Package for improved noise reduction.

BLOWER INLET RINGS: Allow for easy motor and blower removal without disconnecting from the unit duct work.

HOT GAS BYPASS/HOT GAS REHEAT: For optimal humidity control in schools, computer rooms, auditoriums and theaters.

WATER LINES: Flush mount connections allow one wrench leak-free connections without a back-up.

WATER VALVE: Optional factory installed, low pressure drop (high Cv) water solenoid valve for variable speed pumping applications.

FILTER: Optional 1" MERV 4 disposable filter or 2" Pleated MERV 13 (for LEED certification points).

BLOWER MOTOR: PSC blower motors provide high efficiency while allowing quiet operation and wide range of airflow selections. Optional 5-Speed ECM and variable speed ECM blower motors are available for improved efficiency and comfort.

CABINET: Heavy gauge, environmentally responsible galvanized steel for maximum corrosion resistance. Also available with high density, foil faced cabinet insulation for improved air quality and easy cleaning.

THERMASHIELD™: Proprietary coating applied to water-to-refrigerant heat exchanger that protects against condensations in extended range applications (below 50°F).

ALUMINUM AIR COIL: Standard on all Versatec Ultra models, an all-aluminum air coil provides maximum durability while an optional AlumiSeal™ coating offers the utmost in protection.

CONTROLS: Aurora microprocessor control is standard. Optional Aurora Universal Protocol Converter (UPC) control is available featuring N2, LonWorks, and BACnet compatibility.

ADDITIONAL OPTIONS:

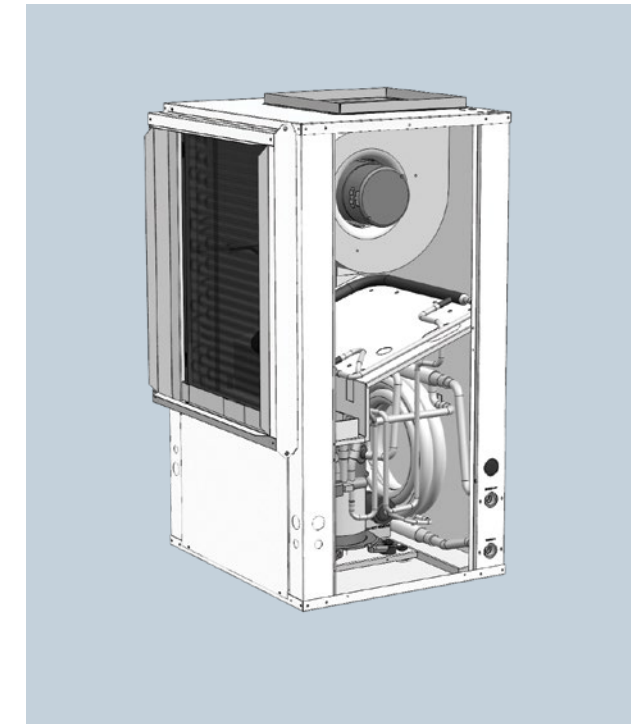
- Variable Speed ECM, 5-Speed ECM, and High static blowers
- Hot Water Generation
- Compressor phase guard protection
- 'Dial' type internally wired disconnect
- Corrosion-resistant composite or stainless steel drain pan

VERSATEC ULTRA VERTICAL 0.75 to 6 Tons

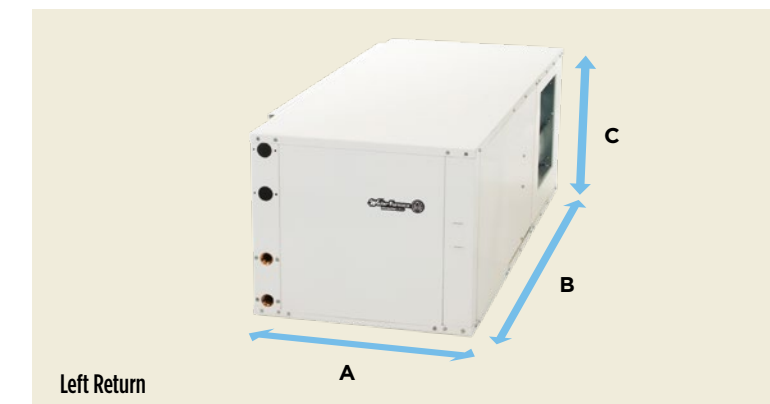
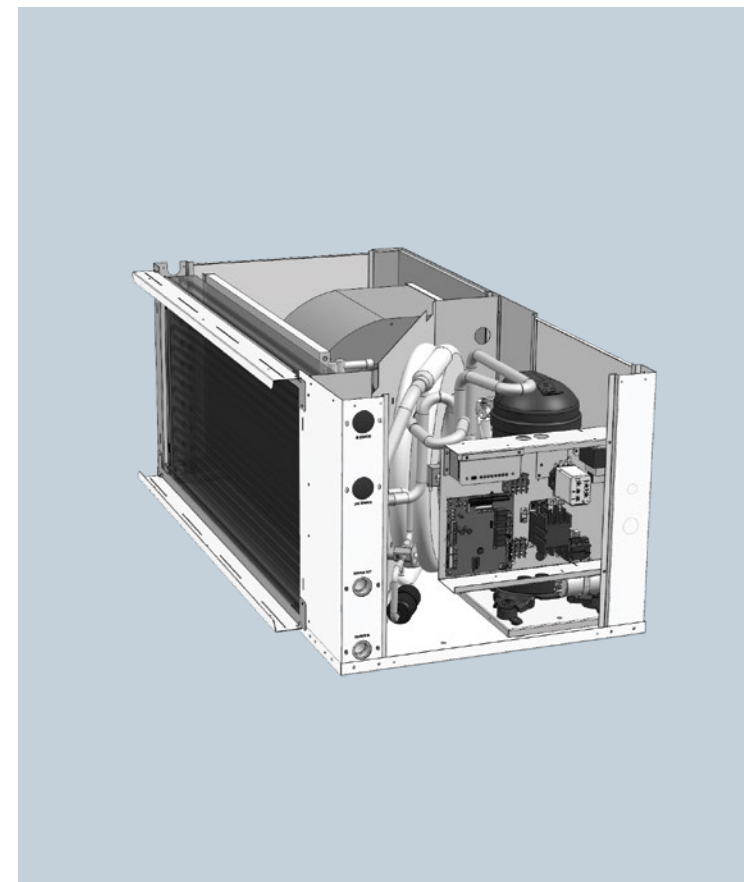


Model	A	B	C
009 - 012	22.5	22.2	23.7
015 - 018	22.5	22.2	36.2
024 - 030	22.5	26.2	40.2
036 - 041	22.5	26.2	44.2
042 - 048	25.5	31.2	44.2
060	25.5	31.2	48.2
070	25.5	31.2	52.2

7 horizontal/7 vertical designs create maximum application flexibility



VERSATEC ULTRA HORIZONTAL 0.75 to 6 Tons



Model	A	B	C
009 - 012	19.2	30.9	11.9
015 - 023	22.5	42.0	17.2
024 - 030	22.5	42.0	19.2
036	22.5	45.0	19.2
042 - 048	25.5	48.0	21.2
060	25.5	53.0	21.2
070	25.5	61.0	21.2

10% FEDERAL TAX CREDIT

A 10% Federal Energy Tax Credit and 5-year accelerated depreciation deductions are available for costs associated with energy property using geothermal heat pumps, construction of which must begin before January 1, 2022. The geothermal equipment must be located in the United States and use the ground or ground water as a thermal energy source for heating or thermal sink for cooling. IRS Form 3468 can be used to claim the energy credit which may be used to offset both regular income taxes and alternative minimum taxes. If the tax credit exceeds the income tax liability, the loss can be carried back one taxable year and the remaining balance can be carried forward into future years. Contact your tax professional for more information.



AHRI/ISO 13256-1 PERFORMANCE RATINGS

PSC Motor

AHRI/ASHRAE/ISO 13256-1

English (IP) Units

Model	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 EWT 77°F		Heating EWT 32°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
009	3.0	350	8,500	12.0	11,500	4.4	10,500	18.2	9,600	3.7	9,100	13.5	7,600	3.0
012	3.5	400	10,900	12.7	14,700	4.4	12,500	18.2	12,000	3.8	11,500	14.7	9,600	3.2
015	4.0	500	14,000	15.0	16,500	4.8	16,000	24.0	15,000	4.1	14,700	17.2	11,500	3.5
018	5.0	600	17,600	14.6	21,000	4.7	20,600	23.5	17,500	4.0	18,500	17.0	13,700	3.5
023	6.0	800	23,000	14.5	26,000	4.5	25,400	22.5	21,900	3.9	23,900	16.8	17,000	3.4
024	6.0	800	23,900	14.6	27,000	4.7	26,400	22.8	22,300	4.0	24,400	17.0	17,500	3.5
030	8.0	1000	29,500	14.9	34,600	4.8	32,900	23.0	28,300	4.0	29,000	17.0	22,800	3.5
036	9.0	1150	33,300	14.4	40,600	4.5	37,700	21.2	33,000	3.9	34,500	16.6	26,000	3.3
041	11.0	1300	40,000	13.8	45,000	4.3	44,500	20.6	36,000	3.8	41,000	15.8	29,000	3.3
042	11.0	1400	40,800	14.5	45,400	4.5	45,800	22.0	37,000	3.8	42,300	16.8	29,900	3.3
048	12.0	1600	47,700	14.7	56,000	4.4	52,000	21.0	45,900	3.8	49,500	16.8	36,900	3.3
060	15.0	1900	58,400	14.7	72,500	4.4	65,500	20.8	58,400	3.8	60,900	16.6	47,100	3.3
070	18.0	2100	63,000	14.2	79,000	4.4	70,000	20.3	64,100	3.8	68,500	15.2	51,600	3.3

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

Variable Speed ECM or 5-Speed ECM Motor

AHRI/ASHRAE/ISO 13256-1

English (IP) Units

Model	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 EWT 77°F		Heating EWT 32°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
015	4.0	500	14,000	15.3	16,500	4.9	16,000	24.3	15,000	4.4	14,700	17.5	11,500	3.7
018	5.0	600	17,600	15.2	21,000	4.8	20,600	24.0	17,500	4.4	18,500	17.5	13,700	3.7
023	6.0	800	23,000	15.0	26,000	4.7	25,400	23.0	21,900	4.3	23,900	17.0	17,000	3.6
024	6.0	800	23,900	15.1	27,000	5.0	26,400	23.4	22,300	4.5	24,400	17.5	17,500	3.8
030	8.0	900	29,500	15.7	34,600	5.1	32,900	23.9	28,300	4.4	29,000	18.3	22,800	3.8
036	9.0	1150	33,300	15.0	40,600	4.8	37,700	23.0	33,000	4.3	34,500	17.3	26,000	3.5
041	11.0	1300	40,000	14.5	45,000	4.5	44,500	22.0	36,000	4.0	41,000	16.5	29,000	3.4
042	11.0	1400	40,800	15.6	45,400	5.0	45,800	23.5	37,000	4.3	42,300	18.5	29,900	3.7
048	12.0	1600	47,700	15.5	56,000	4.8	52,000	23.4	45,900	4.2	49,500	18.1	36,900	3.6
060	15.0	1900	58,400	15.3	72,500	4.7	65,500	23.0	58,400	4.0	60,900	17.9	47,100	3.6
070	18.0	2100	63,000	14.3	79,000	4.7	70,000	21.0	64,100	4.0	68,500	16.1	51,600	3.5

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

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