

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

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



waterfurnace.com | (800) GEO-SAVE



Versatec *Ultra*


Commercial 0.75 to 6 Ton
Geothermal/Water Source Heat Pump



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 is Energy Star rated and 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).

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.

FORMISHIELD™: Coating for added protection against formicary corrosion.

BLOWER MOTOR: PSC blower motors provide high efficiency while allowing quiet operation and wide range of airflow selections. Optional X13 and variable speed ECM blower motors are available for improved efficiency and comfort.

SOFT START: IntelliStart™ reduces the amount of current needed to activate the unit by 60-70%. This helps alleviate light flicker, reduces start-up noise and increases compressor life. Helpful in applications when WaterFurnace units are to run off-the-grid.

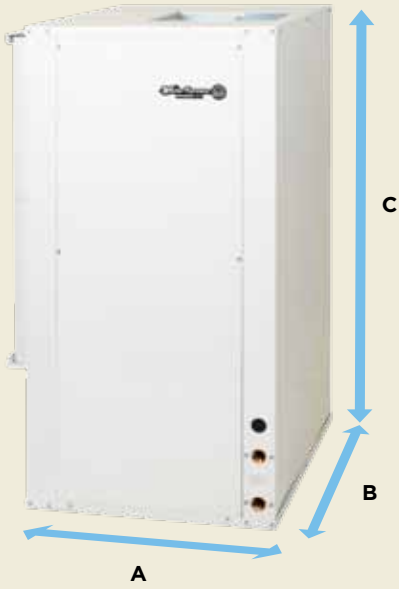
THERMASHIELD™: Proprietary coating applied to water-to-refrigerant heat exchanger that protects against condensations in extended range applications (below 50°F).

CONTROLS: Aurora microprocessor control is standard. Optional FX-10 microprocessor control, featuring N2, LonWorks, and BAC net compatibility.

ADDITIONAL OPTIONS:

- X13, 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

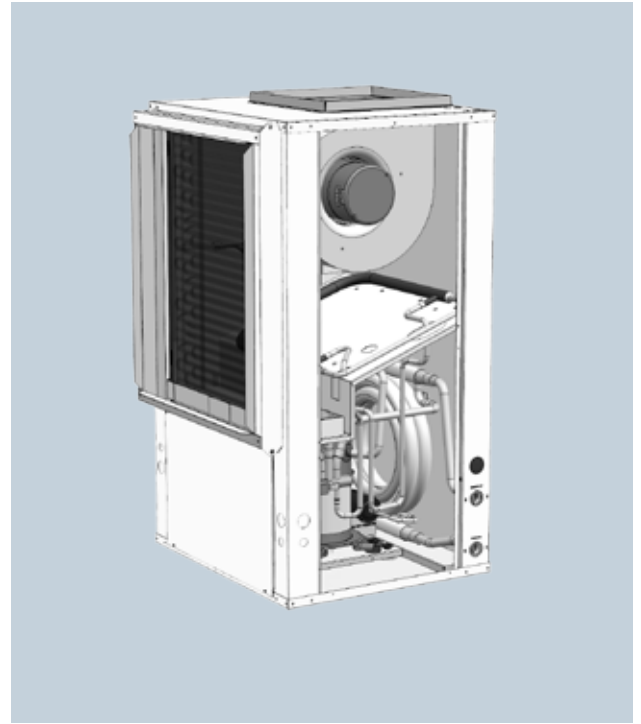
VERSATEC ULTRA VERTICAL 0.75 to 6 Tons



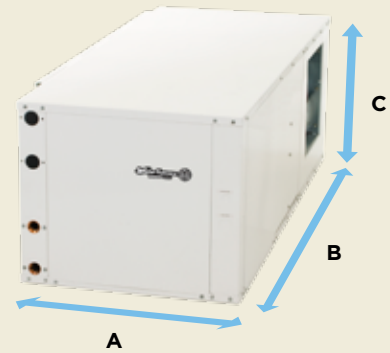
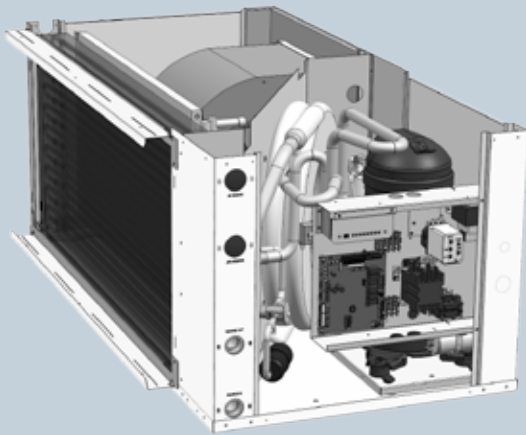
Left Return

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



Left Return

Model	A	B	C
009 - 012	19.2	29.0	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