

Alterra WZSV

heat station for ambient loop
apartment heating/cooling



MODELS

6

OUTPUT
(kW)

6 - 13.6

Alterra WZSV

The Alterra WZSV from Modutherm is a compact brine/water source Heat Station intended for use within District Heat Networks, where an ambient loop is the source of energy or for standalone properties where energy is sourced from a series of geothermal probes or ground collectors. Heating and comfort cooling can be provided with the WZSV, and the integrated 180 litre storage cylinder will give copious amounts of domestic hot water for the whole family.

Despite the many integrated components, the dimensions of the Alterra WZSV are very frugal, and the unit takes up only half a square meter of floor space, making the WZSV ideal where space is at a premium, such as within

city apartment buildings. The attractive and modern appearance means the unit will not look out of place in a kitchen or other living area if a utility cupboard is unavailable. The WZSV can also be sited within a niche or under a staircase, as all internal parts are accessible from the front of the appliance.

The Alterra WZSV provides the perfect solution for achieving high output within limited space constraints. In addition, the inverter drive modulating variants optimally adapt output to match that of the property, and its occupants, thus making them particularly energy-efficient, which saves on electricity costs and makes them kinder to the environment.

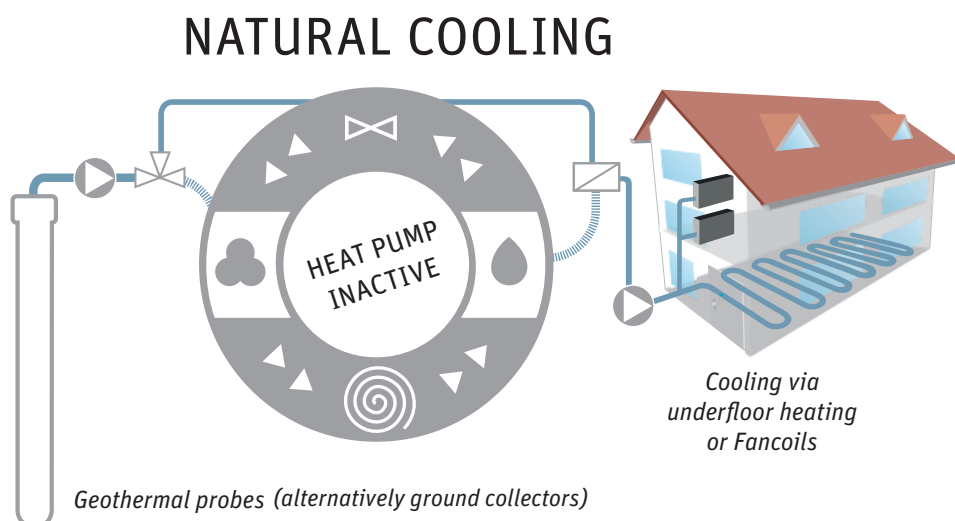
comfort cooling included

With every Alterra WZSV, natural comfort cooling can be provided if the property so requires it. Natural comfort cooling is a very cost-effective and environmentally friendly way of providing cooling as the compressor of the WZSV remains switched off during this phase which saves energy and lengthens the serviceable life of the appliance. Low-temperature brine/water, sourced from the ground or ambient loop, is passed through a heat exchanger within the unit and then onto fan coils, underfloor systems or panel

convectors that will lower the temperature within the room to a more comfortable level.

When installed as a ground source appliance, natural cooling provided by the unit is especially beneficial, as the comfort cooling is then provided virtually free.

Depending on the model of the Alterra WZSV, the comfort cooling function is already integrated or otherwise available as an optional accessory.



key features

- Energy efficient so low energy costs
- Heating, comfort cooling and domestic hot water in one appliance
- Space saving dimensions and flexible positioning
- Completely pre-assembled including 180 litre domestic hot water cylinder
- Controllable worldwide via smartphone app
- Attractive design
- Integration with photovoltaic systems possible



technical data

MODEL	ITEM NUMBER	PERFORMANCE DATA				Hermetically sealed	Refrigerant filling quantity (kg)	Dimensions WxDxH (mm)	weight		ENERGY EFFICIENCY CLASS	
		Heating capacity B0/M/35 min./max. (kW)	Cooling capacity B15/W25 max. (kW)	COP B0/W35 partial load	CO2 equivalent (t CO2)				total	without module box	Heater in combination with controller preparation (A+++ bis G)	Combination with hot water preparation (A+++ bis G)
WZSV 62H3M	10072041	1.3-6.0	-	4.86 ²	2.1	✓	1.16	598x730x1850	240	160	A+++	A
WZSV 92H3M	10076341	1.8-8.7	-	4.76 ²	2.2	✓	1.25	598x730x1850	244	160	A+++	A
WZSV 122113M	10073641	2.5-13.6	-	4.87 ²	3.5	✓	2.00	598x730x1850	263	160	A+++	A
WZSV 62K3M¹	10072241	1.3-6.0	5.8	4.86 ²	2.1	✓	1.16	598x730x1850	248	160	A+++	A
WZSV 92K3M¹	10076441	1.8-8.7	7.8	4.76 ²	2.2	✓	1.25	598x730x1850	252	160	A+++	A
WZSV 122K3M¹	10073741	2.5-13,6	12.3	4.87 ²	3.5	✓	2.00	598x730x1850	271	160	A+++	A



¹ with integrated cooling ² all specifications in partial load



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A member of the Modular Heating Group.