



Vesttherm

HOT-WATER HEAT PUMP

MODEL

VT2140 / VT2141 / VT2142

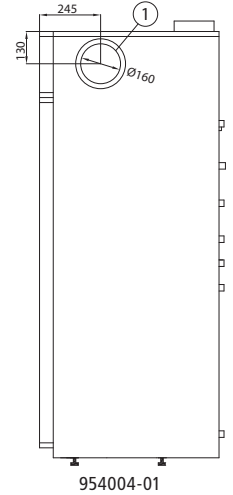
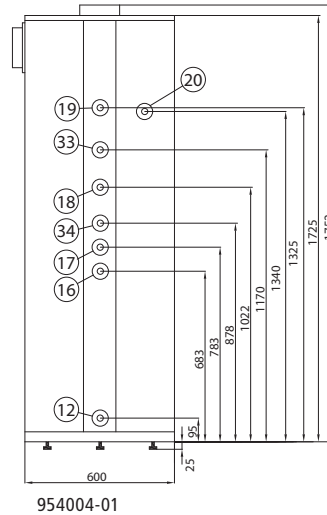
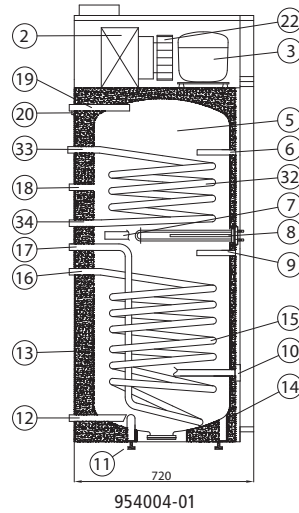
The heat pump exploits the energy of the air to heat the domestic water and is able to cover the annual consumption of an average family. It has a tank capacity of 270 litres and can produce up to approx. 800 litres of hot water per 24 hours. The heat pump is energy saving and makes it possible to save up to 65 % of the expenses for hot water production.

CONSTRUCTION AND EQUIPMENT:

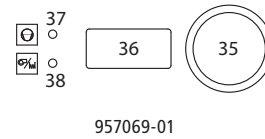
- ✓ calcification of the condenser and so constant emission of heat
- ✓ Prepared for duct connections, air inlet and outlet.
- ✓ Heat coil for alternative operation.
- ✓ VT2142 with an extra heat coil for alternative operation e.g. solar heating.
- ✓ Adjustable air quantity.
- ✓ 270 litres, glazed steel tank equipped with magnesium anode.
- ✓ PUR – hard foam insulation.
- ✓ Thermostatic, continuous variable control permits an individual, energy saving temperature setting.
- ✓ Refrigerant R134.



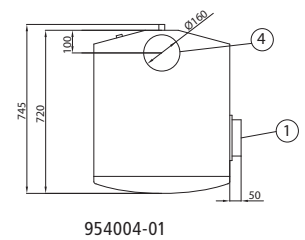
1. Air outlet
2. Evaporator
3. Compressor
4. Air inlet
5. Enamelled tank
6. Sensor pocket
7. Anode (upper)
8. Electrical heating element
9. Sensor pocket
- *10. Anode (lower)
11. Adjustable feet
12. Cold water inlet
13. Safety condenser
14. Insulation
15. Heating coil (lower)
16. Inlet heating coil (lower)
17. Outlet heating coil (lower)
18. Circulation branch
19. Hot water outlet
20. Defrost water outlet
22. Fan
- *32. Heating coil (upper)
- *33. Outlet heating coil (upper)



- *34. Inlet heating coil (upper)
35. Control button push/rotary
36. Control panel (Display)
37. Operating-/alarm lamp heat pump
38. Operating-/alarm lamp supplementary heating



* Only for VT2142



Dimensions:

H x W x D	mm	1720 x 600 x 720
Voltage/frequency	Volt/Hz	230/50
Coefficient of power	COP	3,33*
Heat pump output	kW	1,85*
Heat pump input	kW	0,55*
Heating element	kW	2,0
Max output	kW	3,85
Water temperature	°C	28-55
Working air temperature:		
VT2140 / VT2141 / VT2142	°C	-10 / +35
Quantity of air	m ³ /h	200/300
Water tank VT2140	L	270
Water tank VT2141	L	258
Water tank VT2142	L	242

Working pressure max	bar	10
Refrigerant R134a	kg	0,74
Heating coil – surface:		
VT2141	m ²	1,00
VT2142	m ²	0,6 + 1,5
Weight empty	kg	130-150-170
Hot and cold heat exchanger	thread	1"
Circulation	thread	3/4"
Defrost water	thread	1/2"
Climate class		SN

* Air temperature of 20°C – 70 % RH
Water heating 15 to 47°C

Installation:

The heat pump is compact delivered, ready assembled with 2 meters of wire for connection to a socket. The hot- and cold water pipes are connected to the heat pump according to the present rules (safety

group is not included). An outlet for the melt water is provided. The tank is filled with water and the heat pump is then ready for use.



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