

HEAT PUMPS OF HIGH PERFORMANCE FOR SANITARY WATER

Application

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 per cent of the expenses for hot water production.

- D-tube safety condenser precludes pollution of the domestic water with refrigerant and oil - no calcification of the condenser and so constant emission of heat.
- Prepared for duct connections, air inlet and outlet.
- Heat coil for alternative operation.
- Adjustable air quantity.
- 270 litres, glazed steel tank equipped with a magnesium anode.

Type VT 152



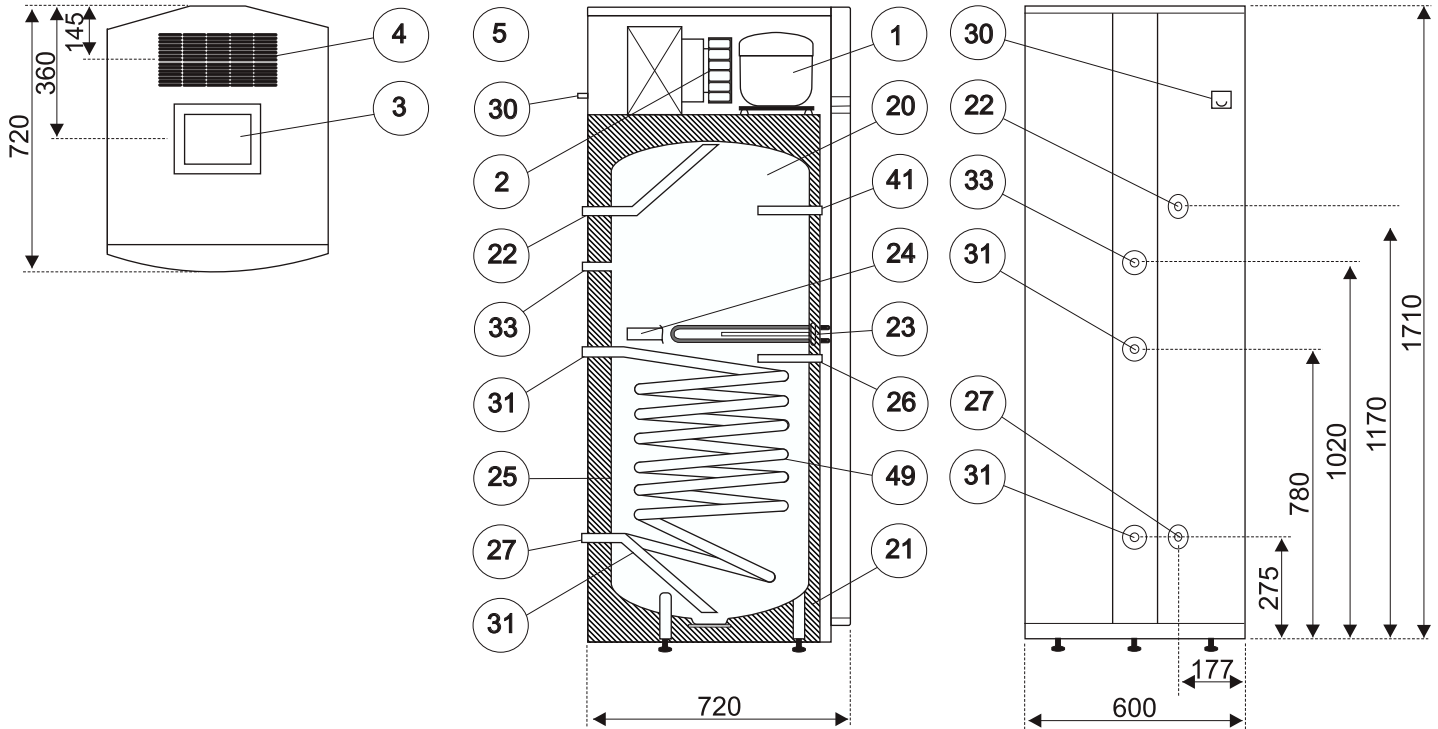
- PUR - Hard foam insulation 50 mm.
- Fully hermetic, oil cooled Danfoss compressor.
- Working pressure 10 bar.

Installation

The heat pump is compact delivered, ready assembled with two meters of wire for connection to a socket. The hot water and the 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. After installation the tank is filled with water and the heat pump is ready for use.

Heat Pump VT 152



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|-----------------------------|-------------------------------------|-------------------------------|
| 1. Compressor | 22. Hot water outlet | 30. Defrost water outlet |
| 2. Fan | 23. Heating element (optional) | 31. Connection heating coil |
| 3. Air outlet | 24. Magnesium anode | 33. Water circulation |
| 4. Air inlet | 25. D-Tube condasator | 41. Sensor socket-thermometer |
| 5. Evaporator | 26. Sensor socket-thermostat feeler | 49. Heating coil |
| 20. Water tank | 27. Cold water inlet | |
| 21. Polyurethane insulation | 29. Adjustable feet | |

Technical data

Dimensions (WxDxH): 600 × 720 × 1720 mm.

Voltage: 230 V. / 50 Hz

Coefficient of power: COP 3,33*

Heat output:

Heat pump: 1,85 kW*

Heating element: 1,5 kW

Max. output: 3,3 kW

Power consumed:

Heat pump: 0,55 kW*

Heating element: 1,5 kW

Heating coil, surface: 1,00 m²

Water temperature: 28°C - 55°C

Working temperature: +5 / +35°C

Quantity of Air: 200/300 m³/h

Working pressure max: 10 bar

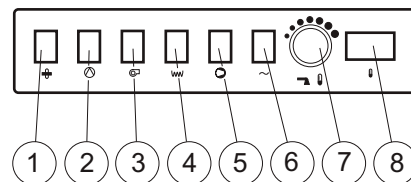
Refrigerant medium: R134a 0,78 Kgs.

Connections:

Circulation: ¾" RT

Other connections: 1" RT

Weight: 180 Kgs.



Controls

1. Fan speed
2. Lamp - Alarm
3. Switch with light: Alternative operation
4. Switch with light: Heating element
5. Switch with light: Heat Pump
6. Main switch: Power on / off
7. Temperature control.
8. Water actual temperature display.

* At an air temperature of 15°C - 70% RH

Water heating 15 to 55 °C



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