

Natural Heat

VITOCAL 242-G
VITOCAL 222-G

VIESSMANN

climate of innovation



Natural heat for modern family homes

The Vitocal 242-G and Vitocal 222-G compact heat pumps are specifically designed for family homes. With their modest dimensions of around 0.4m² they take up hardly any space. With integral DHW cylinder, brine and heating circuit pumps plus a three-way diverter valve, these compact appliances are quick and easy to install. They are available in two different versions – the Vitocal 242-G with solar function and a generously sized DHW cylinder with 220 litre capacity and the Vitocal 222-G which has a 170 litre cylinder. Both heat pumps offer high DHW convenience.

Extremely easy to operate

Like all compact appliances, the Vitocal 222-G is equipped with the new user-friendly Vitotronic control unit. If in doubt, help is available at the push of a button. The graphic

interface will also display heating curves and switching times. The programming unit of the Vitotronic control unit can be removed from the front of the appliance and be replaced with an external programming unit available as an accessory and a restrictor. A five metre long power cable enables the external programming unit to be mounted almost anywhere in a convenient position on a wall mounting base.

Particularly quiet operation

The new three-dimensional anti-vibration mounts make these compact heat pumps particularly quiet so that they can be installed close to the living space.

Compact and ready to connect

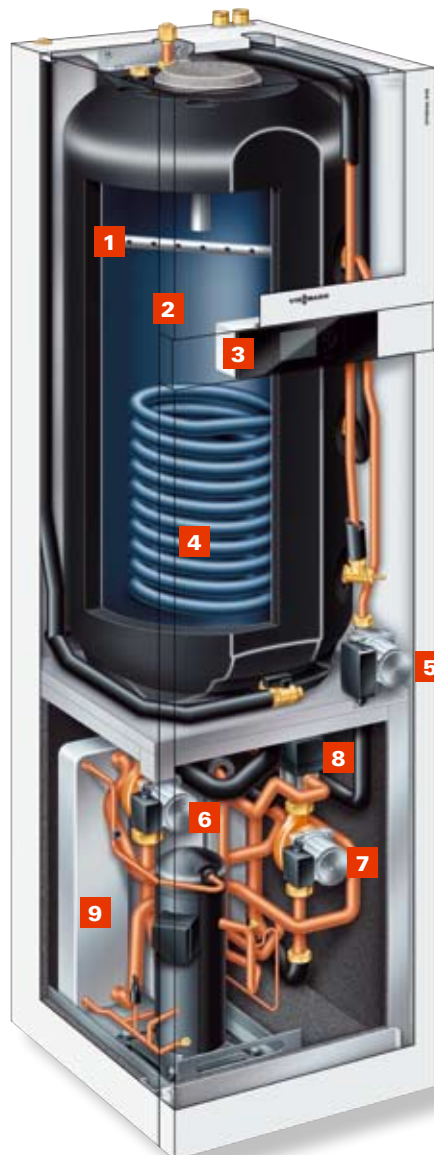
The heat pump is supplied by the factory ready to connect with a casing that can be taken apart for easier handling. Variable connection accessories ensure an easy installation on site.

Heating naturally? Cooling too, of course

With your compact heat pump, your low energy house will always feel comfortable, even in hot summers. The natural cooling function brings cool underground temperatures into your home. For this, you need the Viessmann NC-Box as an accessory.

Vitocal 242-G includes an option to utilise solar energy

With the Vitocal 242-G, the connections for a solar thermal system are already in place, as hydraulic connections and a control unit are integrated. The powerful collectors and matching system components from Viessmann back up the heat pump – meaning in an average year, you can save 50 to 60% of energy conventionally spent on DHW heating.

**Vitocal 242-G**

- 1 Spray lance, primary store system
- 2 Enamelled DHW cylinder
- 3 Heat pump control unit Vitotronic 200
- 4 Integral solar heat exchanger
- 5 PWM-controlled circulation pump for cylinder heating (pulse width modulation)
- 6 Circulation pump, primary
- 7 Circulation pump, secondary
- 8 Diverter valve, heating/DHW
- 9 Heat pump refrigerant circuit



The compact heat pumps live up to their name. With no need for side clearances, they fit easily into even the tightest of recesses.



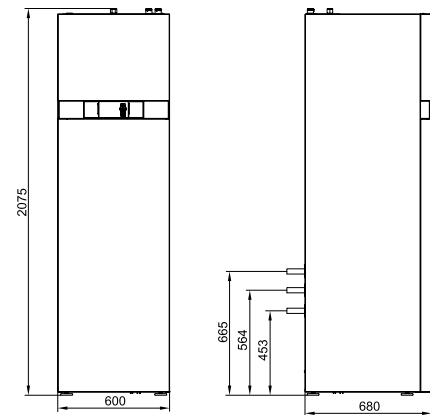
Easy to operate Vitotronic control unit with simple navigation and clear menu structure

Take advantage of these benefits

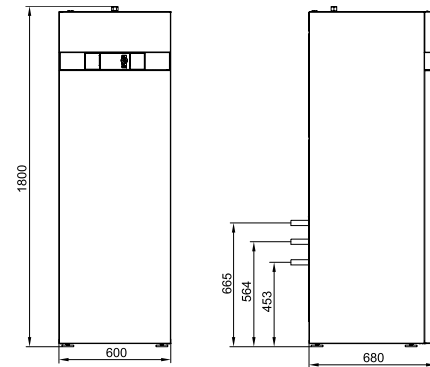
- Compact brine/water heat pumps with heating outputs from 6.0 to 10.1 kW
- High Coefficient of Performance: COP value to EN 14511 up to 4.3 (brine 0°C/ water 35°C)
- Maximum flow temperature: 60°C
- High DHW convenience through integral DHW cylinder with a 220 litre capacity in the Vitocal 242-G (Vitocal 222-G with a 170 litre capacity)
- Very quiet thanks to new three-dimensional anti-vibration mounts with a sound power level of 46 dB (A) at 0/35°C
- Easy to operate new Vitotronic control unit with plain text display
- The programming unit that is part of the control unit can also be fitted on a wall mounting base
- Ready to connect, ex works
- Easy handling through small footprint, reduced height and split casing
- Easy installation through variable connection accessories
- Can be extended with convenient communication technology

Technical Data Vitocal 242-G / Vitocal 222-G

Vitocal 242-G	Type	BWT 106	BWT 108	BWT 110
Output data (EN 14511, B0/W35°C, Delta T 5K)				
Rated output	kW	6.0	7.8	10.1
Cooling output	kW	4.6	6.0	7.9
Power consumption	kW	1.5	1.85	2.34
Coefficient of performance (COP) in heating mode		4.0	4.2	4.3
Overall dimensions				
Depth x Width x Height	mm	680 x 600 x 2 075		
Cylinder capacity	Litre	220	220	220
Overall weight	kg	260	260	266



Vitocal 222-G	Type	BWT 106	BWT 108	BWT 110
Output data (EN 14511, B0/W35°C, Delta T 5K)				
Rated output	kW	6.0	7.8	10.1
Cooling output	kW	4.6	6.0	7.9
Power consumption	kW	1.5	1.85	2.34
Coefficient of performance (COP) in heating mode		4.0	4.2	4.3
Overall dimensions				
Depth x Width x Height	mm	680 x 600 x 1 830		
Cylinder capacity	Litre	170	170	170
Overall weight	kg	250	250	256



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