

Air/water heat pump Monobloc
VITOCAL 200-A

VIESSMANN



Heating systems ◀

Industrial systems

Refrigeration systems



Vitocal 200-A awarded the EHPA-Certified heat pump seal of approval.

Vitocal 200-A monobloc air/water heat pumps feature a combination of indoor and outdoor units, hydraulically connected.

Vitocal 200-A heat pumps utilise the heat in outdoor air for environmentally responsible and cost effective heating. The monobloc unit is available for use either solely for heating (AWO-M), or for heating and cooling (AWO-M-E-AC).

New designed compact outdoor units

The outdoor units are very easy on the eye. These appliances are designed and manufactured in Germany featuring great performance, a superb finish and excellent product quality.

The new Advanced Acoustic Design (AAD) ensures exceptionally quiet operation. The Vitocal 200-A is therefore particularly well suited to built-up areas, such as terraced housing, where ambient noise is a significant consideration.

Quick installation - no certification needed

The compact, wall mounted indoor unit is extremely quiet and therefore can be installed anywhere in the home. The hydraulic lines running to the outdoor unit are water-filled, which requires no F - Gas certification from the installer and guarantees peace of mind for the homeowner. Many of the components are pre-assembled and accessories fit simply and easily together, which means that the Vitocal 200-A can be installed very quickly.

Compatible with existing heating systems

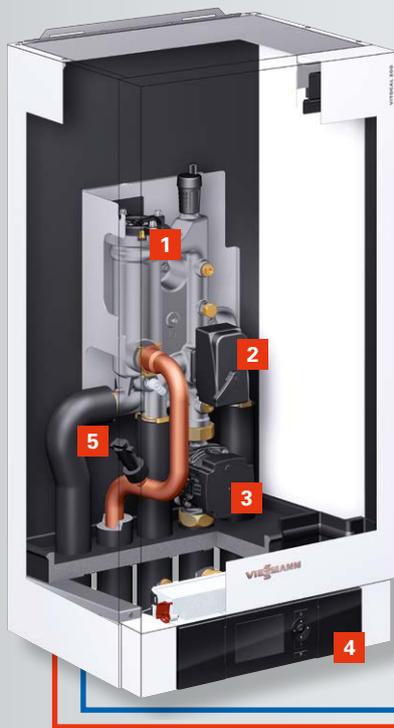
When renovating your heating system, it is possible to add the heat pump as an additional heat source. In this case the existing heating system remains in place to cover peak loads when temperatures drop particularly low, while the heat pump covers the majority of demand. This significantly improves system efficiency.

Vitotronic 200 with WiFi option

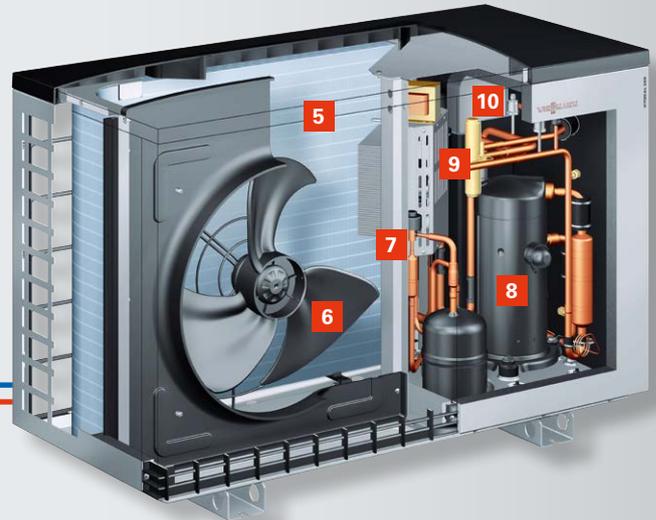
The heat pump can be controlled from anywhere using the Vitotronic 200 control unit, via the Vitoconnect web interface (accessory) and the free ViCare app.



Very quiet operation, ideal for use in terraced houses



Hydraulic lines
(water-filled)



Vitocal 200-A Indoor unit

- 1 Instantaneous heating water heater (not for type AWO-M)
- 2 3-way diverter valve for central heating/DHW heating
- 3 Secondary pump (HE circulation pump)
- 4 Vitotronic 200 control unit
- 5 Flow switch

Vitocal 200-A Outdoor unit

- 5 Coated evaporator with corrugated fins for higher efficiency
- 6 Power saving, variable speed DC fan
- 7 Electronic expansion valve (EEV)
- 8 Variable speed scroll compressor
- 9 4-way diverter valve
- 10 Condenser



New outdoor units with Viessmann design –
Made in Germany

Take advantage of these benefits

Benefits for installers

- Very quiet operation, less than 35 dBA from 3 metres
- Quick and straightforward installation of the monobloc indoor unit
- Installation requires no F - Gas certification
- No minimum clearances required between indoor and outdoor units
- High quality components for long lasting, robust operation
- Easy front access to all components

Benefits for users

- One of the quietest models on the market thanks to Advanced Acoustic Design (AAD)
- Heating and cooling with a single appliance thanks to reversible circuit
- Up to 40% CO₂ saving compared to a gas condensing boiler
- Up to 20% fuel saving compared to a gas condensing boiler
- Easy to operate Vitotronic control unit with plain text and graphic display
- No refrigeration inspection required thanks to the monobloc format
- Compatible with solar PV systems
- Web-enabled through free ViCare app and Vitoconnect (optional)

Technical Data

Vitocal 200-A (Type AWO-M / AWO-M-E-AC)



Vitocal 200-A	Type	AWO-M / AWO-M-E-AC					
		201.A04	201.A06	201.A08	201.A010	201.A13	201.A16
Voltage	V	230	230	230	230	230	230
Heat performance data after EN 14511							
A2/W35	kW	2.6	3.1	4.0	5.0	6.92	6.47
Coefficient of performance (COP)		3.6	3.8	4.0	4.0	4.0	3.6
Output	kW	2.3 – 4.2	3.0 – 5.7	3.5 – 7.0	4.0 – 9.5	4.5 – 10.3	5.0 – 11.8
Heat performance data after EN 14511							
A7/W35, spread 5 K	kW	4.0	4.8	5.6	7.0	7.85	8.64
Coefficient of performance (COP)		4.6	4.7	4.7	4.7	4.7	4.5
Output	kW	3.2 – 5.7	3.8 – 6.6	4.6 – 8.5	5.0 – 12.6	5.0 – 13.7	5.5 – 14.3
Heat performance data after EN 14511							
A-7/W35, spread 5 K	kW	3.8	5.6	6.7	8.7	9.5	11.3
Coefficient of performance (COP)		2.9	2.7	2.9	3.1	3.1	2.8
Cooling performance data after EN 14511							
A35/W18							
Rated cooling capacity	kW	4.5	4.9	5.4	6.0	7.4	9.5
Energy efficiency ratio (EER)		3.4	3.6	3.8	3.6	3.7	3.3
Outdoor unit dimensions							
Length (depth)	mm	546	546	546	546	546	546
Width	mm	1109	1109	1109	1109	1109	1109
Height	mm	753	753	753	1377	1377	1377
Indoor unit dimensions							
Length (depth) x Width x Height	mm	370 x 450 x 880					
Weight							
Outdoor unit	kg	102	102	103	145	145	145
Internal unit type AWO-M, AWO	kg	40	40	40	40	40	40
Internal unit type AWO-M-E-AC, AWO-E-AC	kg	41	41	41	41	41	41
Cold circuit refrigerant							
		R410A	R410A	R410A	R410A	R410A	R410A
- Capacity	kg	1.4	1.4	1.4	2.4	2.4	2.4
- Global Warming Potential (GWP)		2088	2088	2088	2088	2088	2088
- CO ₂ -Equivalent	t	2.9	2.9	2.9	5.0	5.0	5.0
Energy Efficiency Class							
According to EU regulation Nr. 811/2013							
- Low Temperature Application (W35)		A++	A++	A++	A++	A++	A++
- Medium Temperature Application (W55)		A++	A++	A++	A++	A++	A++

Your trade partner:

Viessmann Direct
Unit 8 The Centurion Centre
Castlegate Buisness Park
Old Sarum
Salisbury
SP4 6QX

+44 (0)1722 417875
viessmanndirect.co.uk
sales@viessmanndirect.co.uk