



AIR/WATER HEAT PUMP COMPACT UNIT

Utilises environmentally-friendly and cost-effective heat from outside air:
VITOCAL 200-A Monobloc Design



**Air/water heat pump
Vitocal 200-A in
Monobloc design**

Cost-effectively utilises
the outside air for heating
and cooling

The compact air/water heat pump unit in monobloc uses the environmentally friendly and cost-effective heat from the outside air.



Vitocal 200-A heat pumps utilise the heat from the outdoor air for environmentally responsible and cost effective heating. The monobloc unit is available for use either solely for heating, or for heating and cooling.

Compact Monoblock Outdoor Units

The new outdoor units are designed to blend appreciatively with all homes, with timeless styling. The single- or double-fan units are developed and manufactured in-house. In addition to excellent performance levels, they have exceptional workmanship and product quality.



Heat pumps KEYMARK certified.

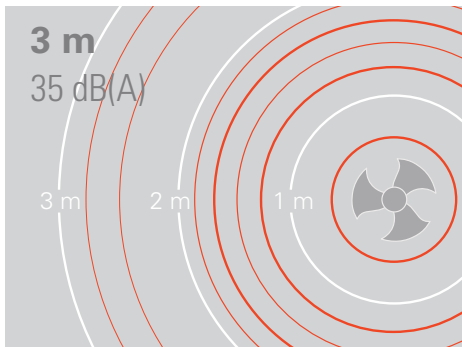


Vitocal 200-A awarded the EHPA-Certified heat pump seal of approval.

Particularly Quiet

The outdoor unit for the Vitocal 200-A follows the Advanced Acoustic Design (AAD), taking into account structural acoustic specifications. The result is barely audible. The high-quality and sound-optimised fan in-combination with an intelligent speed control contributes significantly to the reduction of airborne noise at full and partial load operation. Low frequencies, which are the most noticeable and problematic auditory sounds with conventional heat pumps, are largely avoided.

VITOCAL 200-A
from 2.3 to 11.8 kW



With a sound pressure level of only 35 dB(A) the new Vitocal 200-A air/water compact heat pump is one of the quietest units of its type.

Installation close to the neighbouring property or in densely built-up areas, such as terraced housing estates, is therefore no problem.

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.

VITOCAL 200-A BENEFITS

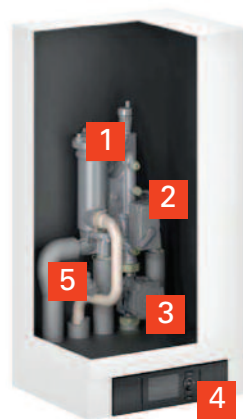
- + Heating and cooling in one unit thanks to reversible switching
- + Particularly quiet due to Advanced Acoustic Design (AAD), Ideal for use even in terraced housing estates
- + High product quality and modern, timeless design
- + Monobloc indoor unit with high-efficiency circulation pump
- + Easy-to-operate Vitotronic control unit with plain text and graphic display
- + Optimised use of self-generated electricity from photovoltaic systems
- + COP-optimised cascade function for up to 5 heat pumps

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.

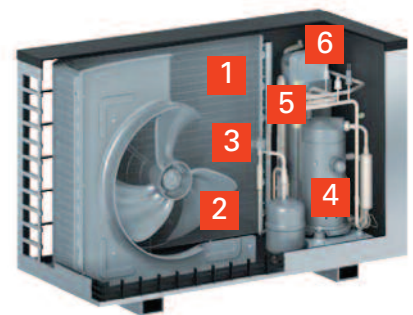
Compatible with existing heating systems

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



VITOCAL 200-A Indoor unit


- 1 VITOCAL 200-A Indoor unit instantaneous water heater
- 2 3-way diverter valve
- 3 Secondary pump (high-efficiency circulation pump)
- 4 Vitotronic 200 control unit
- 5 Flow monitor



VITOCAL 200-A Outdoor unit

- 1 Coated evaporator with corrugated fins for increased efficiency
- 2 Power-saving, speed-controlled DC fan
- 3 Electronic expansion valve (EEV)
- 4 Speed-controlled scroll compressor
- 5 4-way reversing valve
- 6 Condenser

Air/Water heat pump **VITOCAL 200-A** Monobloc Design

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	3.5	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							
– Capacity	kg	R410A	R410A	R410A	R410A	R410A	R410A
– Global Warming Potential (GWP)		1.4	1.4	1.4	2.4	2.4	2.4
– CO ₂ -Equivalent	t	2088	2088	2088	2088	2088	2088
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++

PRODUCT FEATURES

- + Air-to-water heat pump in monobloc design, 2.3 to 11.8 kW
- + Cooling function for a pleasant indoor climate in summer
- + Low operating costs due to high COP value
(COP = Coefficient of Performance) according to EN 14511: up to 4.7 (A7/W35)
- + Power control and DC inverter for high efficiency in partial load operation
- + Maximum flow temperature: up to 60 °C at -10 °C outside temperature

Your trade partner: