



Commercial Air/Water Heat Pumps

Suitable for modernisation projects with
a flow temperature up to 65°C

VITOCAL 200-A PRO



Available in three
outputs, the Vitocal
200-A PRO offers
flexible heating and
cooling solutions
up to 1 MW.

Designed for residential developments, small to mid-scale commercial applications and housing associations.



Vitocal 200-A PRO

Flexible air/water heat pump uses the outside air quietly and efficiently as the heat source.

Flexible solution for a wide range of applications

Vitocal 200-A PRO is a compact air/water heat pump for heating, cooling and DHW heating with a sound-insulating casing for outdoor installation. Highly efficient scroll compressors work in conjunction with electronic expansion valves to ensure the highest performance with low consumption costs. Three different outputs make the Vitocal 200-A PRO a particularly adaptable heating and cooling solution that can be adapted to residential and commercial project requirements.

Up to 128.7 kW heating output can be achieved with just one unit, with a cascade option available for even higher outputs (1 MW achievable).

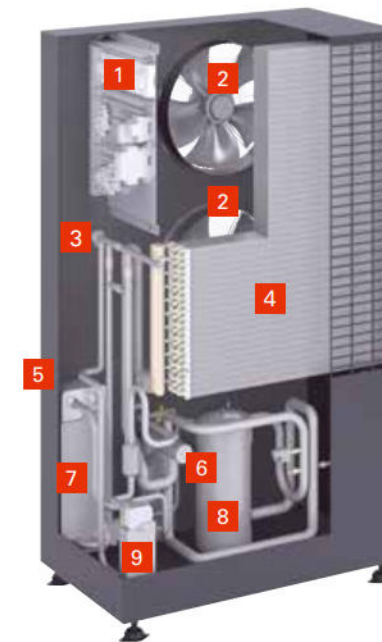
Modern EVI compressor

The Vitocal 200-A PRO offers particular advantages in terms of flexibility and the flow temperature, thanks to the use of EVI technology (Enhanced Vapour Injection).

The intermediate vapor injection cools the refrigerant and then compresses it more than usual. This ensures that even at low outside temperatures, high heating water flow temperatures can be achieved (for example at -7°C still 65°C flow temperature).

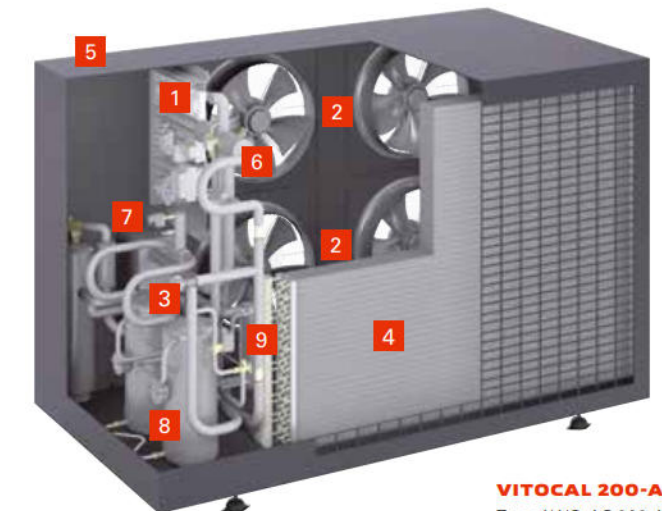
Multivalent system control

Via a standard internet interface, operators and specialist partners can remotely monitor the system at any time and from any location. There is also a separate solution for BMS integration.



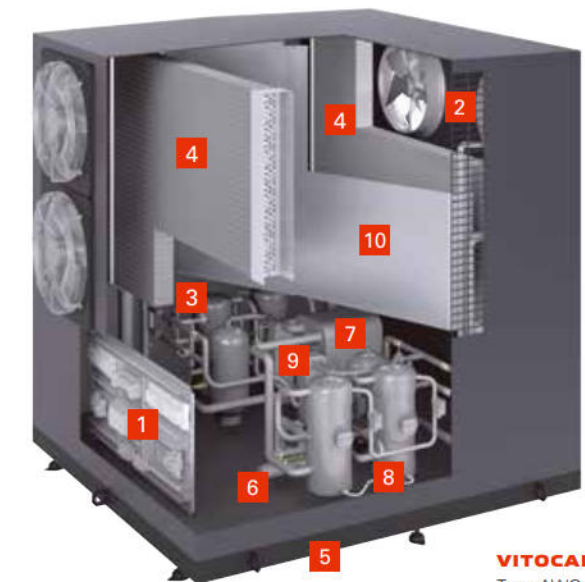
VITOCAL 200-A PRO

Type AWO-AC 201.A032



VITOCAL 200-A PRO

Type AWO-AC 202.A064



VITOCAL 200-A PRO

Type AWO-AC 204.A128

- 1 Heat pump control
- 2 Fans
- 3 Electronic expansion valve
- 4 Evaporator
- 5 Flow/return secondary side
- 6 4-way changeover valve
- 7 Condenser
- 8 Compressor
- 9 Internal heat exchanger
- 10 Air duct

Vitocal 200-A PRO features

- + Fast installation thanks to factory-installed control and safety devices
- + Weather-compensated control. Flexible installations for controlling heating, cooling and/or DHW circuits
- + Flow temperature up to 65°C
- + Highest coefficients of performance thanks to highly efficient scroll compressors in conjunction with electronic expansion valves
- + Compact dimensions for space-saving outdoor installation
- + Vibration decoupling for exceptional low noise emission levels
- + Particularly weather-resistant housing thanks to multiple coatings
- + Service-friendly: one refrigerant circuit design for three output models
- + System monitoring online at any time and from any location
- + Cascade options available for higher outputs up to 1,024 kW

Air/Water Heat Pump **VITOCAL 200-A PRO**

Vitocal 200-A PRO	Type AWO-AC	201.A032	202.A064	204.A128
Heating performance data according to EN 14511 (A7/W35)				
Nominal heat output	kW	32,2	64,4	128,7
Electrical power consumption	kW	7,31	14,27	28,18
Coefficient of performance ϵ (COP)		4,40	4,51	4,57
Cooling performance data to EN 14511 (W7/A35)				
Nominal cooling capacity	kW	35,0	69,9	139,9
Electrical power consumption	kW	16,7	16,9	17,1
EER in cooling mode		4,2	4,83	5,23
Refrigeration circuit				
– Number of compressors		1	2	4
– Number of refrigeration circuits		1	1	2
– Refrigerant		R407C	R407C	R407C
– Filling quantity	kg	14	18	43
– GWP (Global Warming Potential) *		1774	1774	1774
– CO ₂ equivalent	t	24,8	31,9	76,3
Air volume flow	m ³ /h	6700	13500	19100
Maximum flow temperature (down to -7 °C)	°C	65	65	65
Sound power level	dB(A)	69,7	69,7	71,6
Weight	kg	460	790	1850
Dimensions				
Length	mm	775	1330	2130
Width	mm	1260	2315	2260
Height	mm	2115	1510	2265
Energy efficiency class**	III*	A+/A++	A++/A++	–

* Based on the 5th Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)

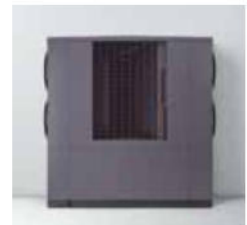
** According to energy label 811/2013



Type AWO-AC 201.A032



Type AWO-AC 202.A064



Type AWO-AC 204.A128

Product features

- Air/water heat pumps for commercial applications
- For monovalent or bivalent operation
- Also available as a cascade solution for higher outputs
- Heating and cooling with one device (active cooling in summer)

Your specialist partner

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