

Natural Heat

VITOCAL 300-A

VIESSMANN

climate of innovation





Vitocal 300-A is certified in accordance with the EHPA heat pump quality seal and NF-PAC.

Top technology for top performance

The Vitocal 300-A is the first air/water heat pump with digital scroll technology and an electronic bi-flow expansion valve. This means it achieves an extremely high Coefficient of Performance of 4.3 (air 7°C/ water 35°C) and therefore high seasonal performance factors too. What's more, it accounts for the particularly reliable heat supply of the Vitocal 300-A, as well as providing significantly lower running costs.

RCD: Always as much heat as you need

RCD stands for Refrigerant Cycle Diagnostic system. This is responsible for permanently monitoring the heat demand and the output made available by the Vitocal 300-A. It uses this information to match the two and can therefore achieve the highest level of efficiency at every operating point. An energy statement is already integrated.

Not only quiet at night

Particularly quiet operation is ensured by a radial fan with variable speed control and a reduced fan speed for night operation.

Everything you need

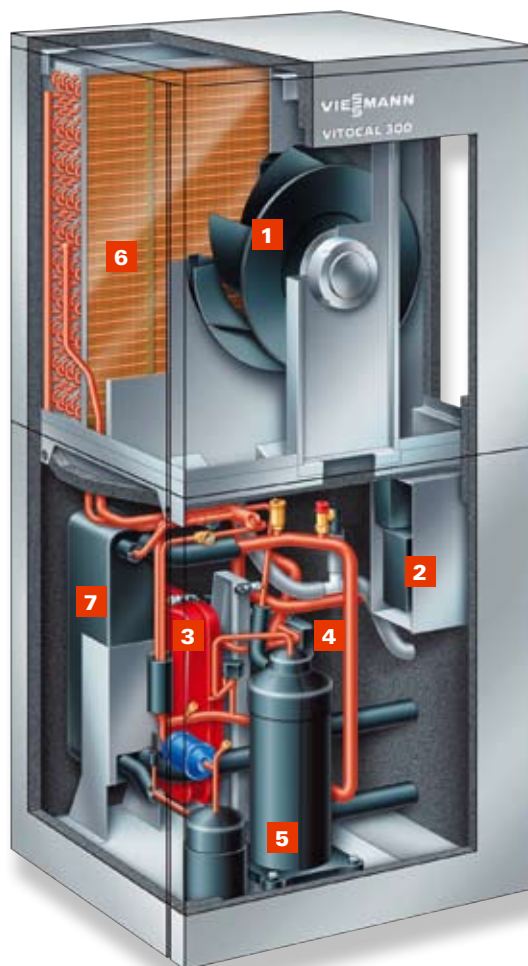
Every household has different heat demands and the conditions for installing a heat pump vary. The range of accessories for the Vitocal 300-A is suitably flexible and comprehensive. Subject to demand, the heat pump can be supplied fully equipped. This means the heating circuit pump, expansion vessel and safety equipment have already been fully fitted. Even the modular electric instantaneous heating water heater can be easily integrated. In conclusion, Viessmann has the complete product range to meet the demands of any installation you require – inside or out.

Monitor and control from wherever you are

With the new control unit in the Vitocal 300-A, you can simply connect your heat pump to the Vitocom 100. This gives you the option of conveniently operating your heating system via your mobile phone if you wish.

Cooling – no problem

Thanks to its reversible operation, the Vitocal 300-A can also be used for cooling. Convector or surface cooling systems with a cooling capacity of up to 8.6kW give you the flexibility to make your living area even more pleasant.



Vitocal 300-A

- 1 Radial fan
- 2 Wiring chamber
- 3 Expansion vessel
- 4 Heating circuit pump
- 5 Digital scroll compressor
- 6 Evaporator
- 7 Condenser



Technology that interacts perfectly – the RCD system, the digital scroll technology and the electronic bi-flow expansion valve guarantee the highest level of efficiency at every operating point.



You'll really appreciate the Vitocal 300-A for its quiet operation. This is achieved by a special radial fan with variable speed control, and the reduced fan speed during night operation.

Take advantage of these benefits

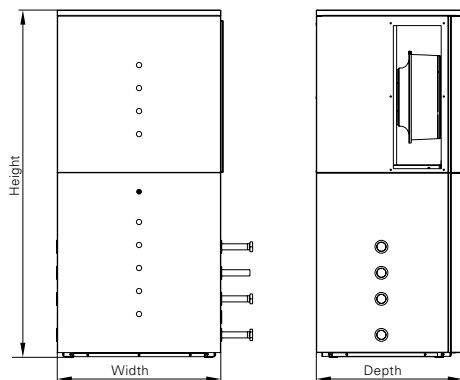
- Reversible air/water heat pump for heating and cooling for installation inside and outside
- Variable output control from 3.0 to 8.6kW
- High COP value (COP = Coefficient of Performance) in accordance with EN 14511:
3.4 (air 2°C/water 35°C)
4.3 (air 7°C/water 35°C)
- Maximum flow temperature: up to 60°C at 5°C outside temperature
- Low operating noise through radial fan and reduced fan speed during night operation
- Efficient defrosting through circuit reversal
- Heat pump control unit for remote control and monitoring
- Particularly quiet in silent version

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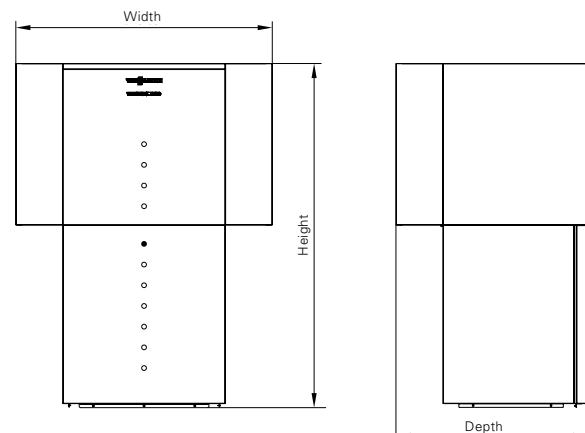
Technical Data Vitocal 300-A

Vitocal 300-A	Type	AWC-I	AW-O
Output data 100% (EN 14511, 2/35°C, Delta T 5K)			
Rated output	kW	8.6	8.6
Power consumption	kW	2.54	2.54
Coefficient of performance (COP) in heating mode	kW	3.4	3.4
Coefficient of performance (COP) (Air 7°C/Water 35°C)	kW	4.3	4.3
Output control		3 to 8.6	3 to 8.6
Cooling output (Air 27°C/Water 7°C)	kW	8.6	8.6
Overall dimensions			
Depth x Width x Height	mm	780 x 875 x 1 835	1 020 x 1 363 x 1 833
Overall weight	kg	255	275

Vitocal 300-A, Type AWC-I



Vitocal 300-A, Type AW-O



Your trade partner: