

**PRODUCT INFORMATION**

The next generation of heat pumps: The new Vitocal 150-A/151-A range



Reliable, compact and environmentally friendly like never before – with the new, innovative heat pump technology from Viessmann. Environmental heat can be used efficiently for heating and cooling.

With a flow temperature of up to 70°C, the Vitocal 150-A/151-A range has been specially designed for renovation projects.

 | **CLIMATE PROTECT⁺⁺⁺**

 | **OPTIPERFORM**

 | **SERVICE LINK**

 | **SUPER SILENT**

THE NEW GENERATION OF HEAT PUMPS

The new generation of heat pumps

The new Vitocal 151-A monobloc heat pumps with up to 70°C flow temperature are ideally suited for renovation projects.

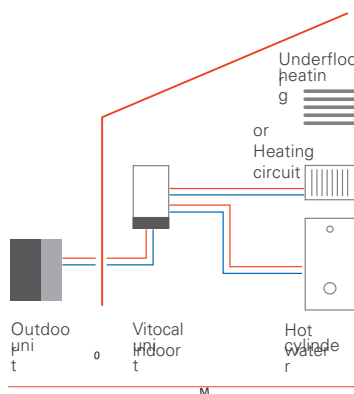
Climate Protect+++ protects the environment and the climate

The Vitocal 150-A/151-A range use the "green" refrigerant R290 (propane), which is considered to be particularly environmentally "friendly", with a very low GWP100 of 0.02 (Global Warming Potential).



OptiPerform – reliable operation with maximum efficiency

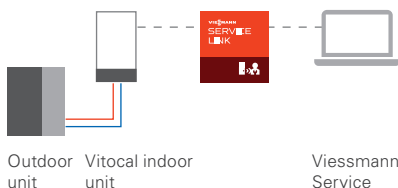
The modern heat pumps from Viessmann work with patented hydraulics. With Hydro AutoControl® the heat pump is operated reliably and with maximum efficiency over the entire service life of the product. The unique design ensures that the engineer can install the heat pump much faster and more cost-effectively. It also takes up much less space, because it is up to 60 percent smaller than similar systems.



* One heating circuit, radiator or underfloor heating

Service Link – for faster response times

The Vitocal 150-A/151-A range are always connected to Viessmann with Viessmann Service. Completely free of charge, the heat pump instantly transmits any faults. The installer can immediately take the necessary measures, which eliminates unnecessary trips, saving time and money.



Super Silent

Viessmann heat pumps are amongst the quietest of their kind.



Viessmann Energy Management

Networked Viessmann products help to use less energy resources and reduce heating costs.

VISSMANN ONE BASE

Viessmann One Base: commissioning, maintenance, service and monitoring for all Viessmann systems from a single source

Viessmann One Base networks the products and systems in Viessmann's integrated range of solutions. Comprehensive climate and energy solutions can now be seamlessly linked digitally – Vitodens gas condensing boilers, Vitocal heat pumps, Vitoair ventilation systems, Vitovolt photovoltaic modules and Vitocharge power storage units.



With the ViCare Energy Cockpit, the customer has all the energy information in their household at a glance.



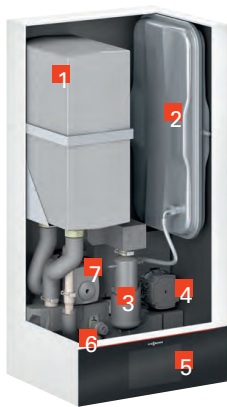
The analysis shows current and past efficiency and consumption rates in the household.

ADVANTAGES FOR USERS

- + With a flow temperature of 70°C, ideally suited for renovation projects
- + Climate Protect+++ Protects the environment and the climate
- + OptiPerform: Reliable operation with maximum efficiency
- + Service Link: Guaranteed faster response time in case of service
- + Low operating costs thanks to high efficiency and self-optimising heat pump
- + Integrated Energy Management ensures transparency in energy consumption and costs
- + Super Silent: Viessmann heat pumps are amongst the quietest of their kind

VITOCAL 150-A

2.1 to 14.9 kW



VITOCAL 150-A

Indoor unit

- 1 Heating water buffer tank (16 litre capacity)
- 2 Diaphragm expansion tank (10 litre capacity)
- 3 Heating water instantaneous water heater
- 4 Secondary pump (high-efficiency circulation pump)
- 5 Heat pump control with 7-inch color touch display
- 6 Safety valve
- 7 4/3-way valve heating/DHW heating/bypass



Vitocal 150-A outdoor unit

- 1 Coated evaporator
- 2 Energy-saving, speed-controlled DC fan
- 3 Inverter-controlled compressor
- 4 Inverter
- 5 Condenser

PRODUCT FEATURES

- Air-to-water heat pumps in monobloc design
- For space heating/cooling and domestic hot water heating
- Maximum flow temperature: 70°C (with outdoor temperature down to -10°C)
- Monobloc indoor unit with heat pump control, high-efficiency circulation pump for the secondary circuit, 4/3-way valve, safety group
- Built-in heating water instantaneous water heater
- Built-in heating water buffer tank and overflow valve



COOLING FUNCTION

Vitocal 150-A AWO-M-E-AC(-AF)		150-A04	150-A06	150-A08	150-A10 SP	150-A13 SP	150-A16 SP
Voltage	V	230	230	230	230	230	230
Vitocal 150-A AWO-E-AC(-AF)							
Voltage	V				400	400	400
Performance data heating according to EN 14511							
Nominal heat output							
Operating point A7/W35	kW	4.0	4.8	5.6	7.3	8.1	9.1
Operating point A-7/W35	kW	3.8	5.6	6.5	9.7	11.1	12.4
Performance data heating according to EN 14511 (A7/W35, spread 5 K)							
Nominal heat output							
coefficient of performance ϵ (COP) in heating mode		5.0	4.9	4.7	5.0	4.9	4.9
Output range	kW	2.1 – 4.0	2.1 – 6.0	2.1 – 8.0	2.6 – 12.0	3.0 – 13.4	3.3 – 14.9
Sound power level	dB(A)	51	51	51	56	56	56
Cooling performance data according to EN 14511 (A35/W18, spread 5 K)							
Cooling capacity	kW	4.0	5.0	6.0	9.6	11.0	13.2
EER coefficient of performance		4.7	4.4	3.9	4.4	4.0	3.7
Cooling capacity max.	kW	4.0	5.5	6.7	14.4	15.7	17.0
Refrigeration circuit							
Refrigerant		R290	R290	R290	R290	R290	R290
– Filling quantity as delivered	kg	1.2	1.2	1.2	2	2	2
– Global warming potential (GWP100 acc. to IPCC AR6)		0.02	0.02	0.02	0.02	0.02	0.02
– CO ₂ equivalent	t	0.000024	0.000024	0.000024	0.00004	0.00004	0.00004
Dimensions							
Length x width x height	mm	360 x 450 x 920					
Indoor unit	mm						
Outdoor unit	mm	600 x 1144 x 841					
Weight indoor unit	kg	47	47	47	47	47	47
Weight outdoor unit	kg	162	162	162	191	191	191
Energy Efficiency η_s at W35	%	185	180	175	190	178	178
Energy Efficiency η_s at W55	%	140	141	137	145	141	141

Measurement of the sound power level in accordance with EN ISO 12102/EN ISO 9614-2, accuracy class 3 in night mode
 Energy efficiency η_s : Heating performance data according to EU Regulation No. 813/2013 at average climate conditions for low-temperature application (W35) and medium temperature application (W55)

VITOCAL 151-A

2.1 to 14.9 kW

Cylinder capacity: 190 l



VITOCAL 151-A

Indoor unit

- 1 Heating water buffer tank (16 litre capacity)
- 2 Diaphragm expansion tank (10 litre capacity)
- 3 Heating water instantaneous water heater
- 4 Secondary pump (high-efficiency circulation pump)
- 5 Heat pump control with 7-inch color touch display
- 6 Safety valve
- 7 4/3-way valve heating/ domestic hot water/bypass
- 8 Hot water tank (190 litre capacity)



Vitocal 151-A outdoor unit

- 1 Coated evaporator
- 2 Energy-saving, speed-controlled DC fan
- 3 Inverter-controlled compressor
- 4 Inverter
- 5 Condenser

PRODUCT FEATURES

- Air-to-water heat pump compact unit in monobloc design
- Integrated storage water heater (190 l capacity)
- For space heating/cooling and DHW heating
- Maximum flow temperature: 70°C (at an outdoor temperature down to -10°C)
- Monobloc indoor unit with heat pump control, high-efficiency circulation pump for the secondary circuit, 4/3-way valve, safety group
- Built-in heating water instantaneous water heater
- Built-in heating water buffer tank and overflow valve



COOLING FUNCTION

Vitocal 151-A AWOT-M-E-AC(-AF)		150-A04	150-A06	150-A08	151.A10 SP	151.A13 SP	151.A16 SP
Voltage	V	230	230	230	230	230	230
Vitocal 151-A AWO-E-AC(-AF)					400	400	400
Voltage	V						
Performance data heating according to EN 14511							
Nominal heat output							
Operating point A7/W35	kW	4.0	4.8	5.6	7.3	8.1	9.1
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– CO ₂ equivalent	t	0.000024	0.000024	0.000024	0.00004	0.00004	0.00004
Dimensions							
Length x width x height				597 x 600 x 1900			
Indoor unit	mm						
Outdoor unit	mm	600 x 1144 x 841				00 x 1144 x 1382	
Weight indoor unit	kg	170	170	170	170	170	170
Weight outdoor unit	kg	162	162	162	191	191	191
Energy Efficiency η_s at W35	%	185	180	175	190	178	178
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