



German Brand
Since 1917

VIESSMANN



Air / Water Heat Pumps

VITOCAL 150-A
VITOCAL 150-A MODULAR
VITOCAL 150-A COMPACT
VITOCAL 150-A HYBRID

8 | 10 | 13 | 16 kW



Vitocal 150-A Outdoor unit (10 to 16 kW)
and Compact Hydrobox

Monoblock heat pumps for new buildings and retrofit projects



CLIMATE PROTECT

Climate Protect ++ protects the environment and the climate.

The Vitocal 150-A heat pumps use the natural refrigerant R290, which is considered particularly environmentally friendly, with a very low GWP of 0.02 (global warming potential).

The Viessmann Climate Protect label is based on the TEWI indicator (total equivalent warming impact), which characterises the life cycle efficiency of the appliance and the greenhouse gas potential of the refrigerant used.



OPTIPERFORM

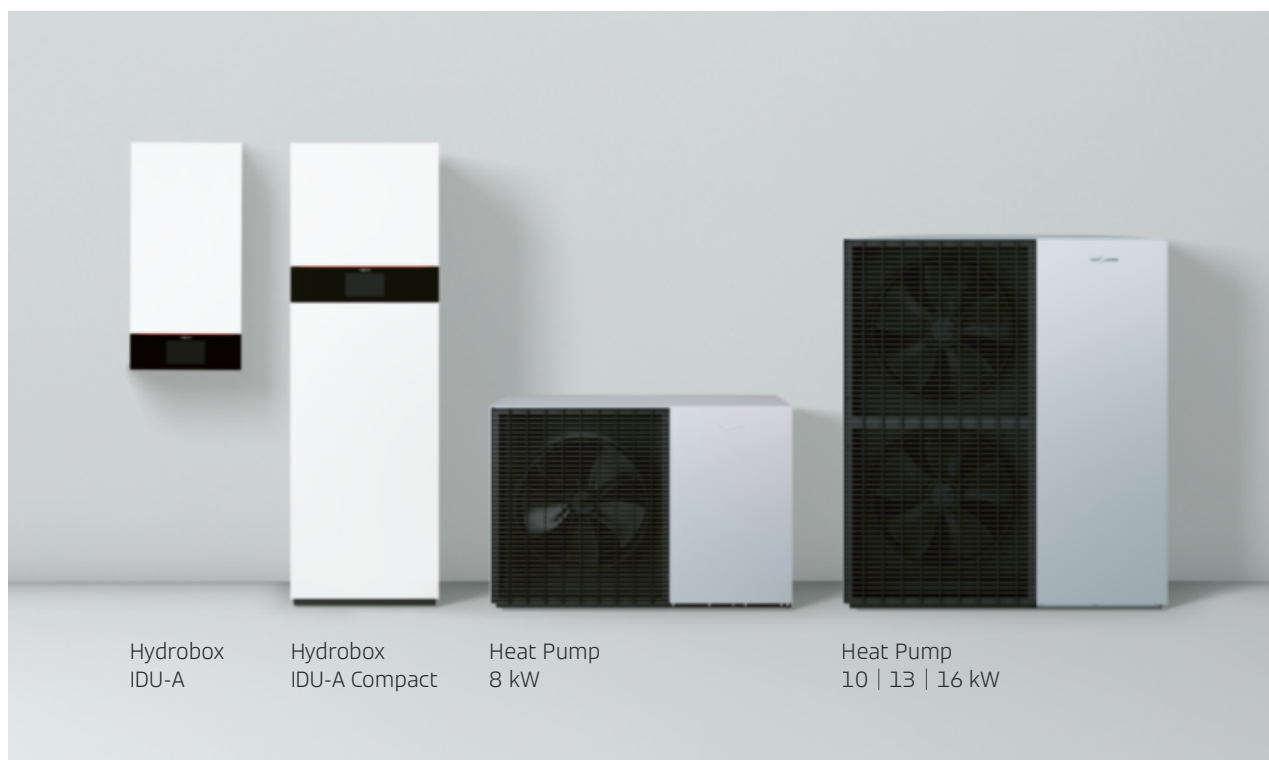
OptiPerform - reliable and highly efficient.

The heat pumps** feature Viessmann's patented Hydro AutoControl® hydraulic system, ensuring reliable and highly efficient operation throughout their entire service life. OptiPerform simplifies installation, saves time and money, and requires up to 60% less space.

** Does not apply to Vitocal 150-A Modular



**Warranty on all
components and labour**



Vitocal 150-A Outdoor Unit
8 kW

- 1 Variable speed EC fan
- 2 Coated evaporator coil
- 3 Safety valve
- 4 Condenser
- 5 Internal heat exchanger
- 6 Hermetic twin rotary compressor



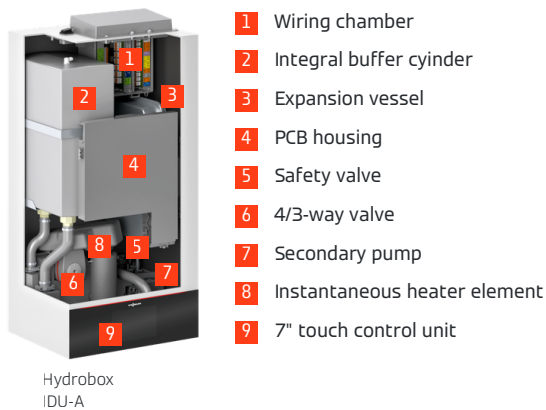
Vitocal 150-A Outdoor Unit
10 | 13 | 16 kW

- 1 Variable speed EC fan
- 2 Coated evaporator coil
- 3 Safety valve
- 4 Condenser
- 5 Internal heat exchanger
- 6 Hermetic twin rotary compressor

VITOCAL 150-A

The Vitocal 150-A air/water heat pumps offer excellent quality and performance, from the single fan outdoor heat pump in 8kW, and the dual fan outdoor heat pump in 10, 13 and 16 kW outputs.

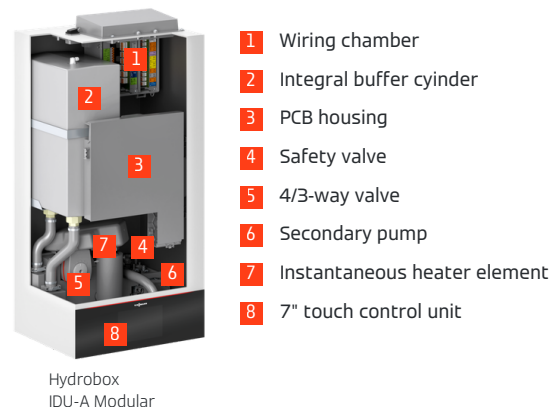
The Standard Hydrobox incorporates all of the standard required hydronic heating system components into a single appliance. This makes the Vitocal 150-A series ideal for both new builds and retrofit solutions.



VITOCAL 150-A MODULAR

The Vitocal 150-A Modular Hydrobox is the cost-effective variant specifically for systems with a heating water buffer tank and does not include an integrated expansion vessel.

This variant is particularly recommended for systems with multiple heating circuits and a separate heating water buffer tank.



Product features:

- Air/water heat pumps in monobloc design.
- For space heating/cooling and domestic hot water heating.
- Maximum flow temperature of 70°C (at an outside temperature down to -10°C).
- Monobloc Hydrobox unit with heat pump control, high-efficiency circulation pump for the secondary circuit, 4/3-way valve, safety group.
- Integrated instantaneous heating water heater.
- Integrated defrost buffer and overflow valve.
- 5 year warranty on parts and labour.

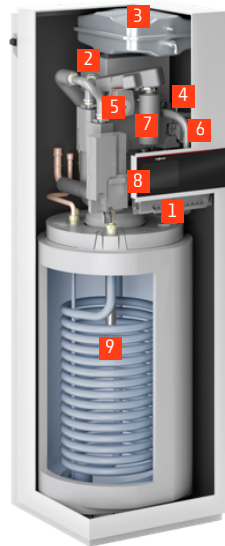
Advantages at a glance:

- Flow temperature of 70°C (at an outside temperature down to -10°C), ideal for modernisation projects.
- Protects the environment using environmentally friendly, natural refrigerant R290 with a particularly low GWP100 of 0.02 (GWP = Global Warming Potential).
- Reliable operation with maximum efficiency (OptiPerform).
- Low operating costs thanks to high efficiency, COP (Coefficient of Performance) in accordance with EN 14511: up to 5.2 (for A7/W35).
- 60 % less space required than comparable models.
- Integrated energy management system ensures transparency for energy consumption and costs.
- Active cooling in summer thanks to cooling function.
- Simple operation via ViCare app.



VITOCAL 150-A COMPACT

The Vitocal 150-A Compact Hydrobox incorporates all the standard components of the Vitocal 150-A, with the inclusion of a 190-litre DHW cylinder made of steel with ceraprotect enamelling.



Hydrobox
IDU-A Compact

- 1 Wiring chamber
- 2 Integral buffer cylinder
- 3 Expansion vessel
- 4 Safety valve
- 5 4/3-way valve
- 6 Secondary pump
- 7 Instantaneous heater element
- 8 7" touch control unit
- 9 190L hot water coil tank

Product features:

- Air/water heat pumps in monobloc design.
- For space heating/cooling and domestic hot water heating.
- Maximum flow temperature of 70°C (at an outside temperature down to -10°C).
- Monobloc Hydrobox unit with heat pump control, high-efficiency circulation pump for the secondary circuit, 4/3-way valve, safety group.
- Integrated instantaneous heating water heater.
- Integrated defrost buffer and overflow valve.
- 5 year warranty on parts and labour.

Advantages at a glance:

- Flow temperature of 70°C (at an outside temperature down to -10°C), ideal for modernisation projects.
- Protects the environment using environmentally friendly, natural refrigerant R290 with a particularly low GWP100 of 0.02 (GWP = Global Warming Potential).
- Reliable operation with maximum efficiency (OptiPerform).
- Low operating costs thanks to high efficiency, COP (Coefficient of Performance) in accordance with EN 14511: up to 5.2 (for A7/W35).
- 60 % less space required than comparable models.
- Integrated energy management system ensures transparency for energy consumption and costs.
- Active cooling in summer thanks to cooling function.
- Simple operation via ViCare app.





Vitocal 150-A Outdoor unit (10 to 16 kW)
and Hybrid Hydrobox and Viessmann Gas Boiler

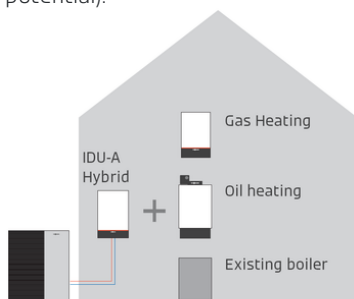
Vitocal 150-A Hybrid heat pumps are recommended for retrofitting existing systems.



CLIMATE PROTECT

Climate Protect++* protects the environment and the climate.

The Vitocal 150-A Hybrid heat pumps use the natural refrigerant R290 with a particularly low GWP100 of 0.02 (global warming potential).



ODU 150-A

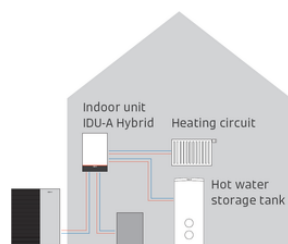
*The Viessmann Climate Protect label is based on the TEWI indicator (Total Equivalent Warming Impact), which characterises the life cycle efficiency of the appliance and the greenhouse gas potential of the refrigerant used.



OPTIPERFORM

OptiPerform - Reliable and highly efficient.

The heat pumps feature the patented Hydro AutoControl® hydraulic system. This ensures reliable and highly efficient operation throughout the entire service life. Thanks to OptiPerform, installation saves time and money. The space required is up to 60% smaller than for conventional systems.



Outdoor unit ODU 150-A
Existing heat generator



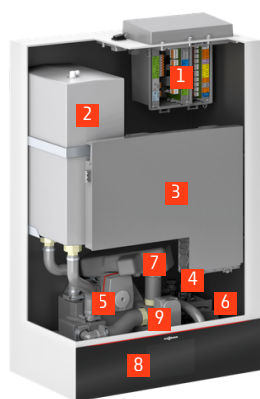
ECO SELECT

Eco Select - Switch between the most cost-effective or most suitable operating mode.

Viessmann hybrid appliances are powered by Hybrid Pro Control, an advanced energy management system that adjusts heating based on both external conditions—such as outdoor temperature and flow temperature—and personalised user settings. These settings may include energy prices, self-generated electricity, CO₂ emissions, and heat demand. Users can choose between economy mode, which automatically selects the most cost-effective energy source, or eco mode, which prioritises the lowest CO₂ emissions per kW hour of heat produced.

VITOCAL 150-A HYBRID

The Vitocal 150-A Hydrobox incorporates all the standard components of the Vitocal 150-A Hydrobox, without the expansion vessel. The Hybrid Hydrobox includes an additional 3/2-way mixing valve for bivalent operation.



Hydrobox
IDU-A Hybrid

- 1 Wiring chamber
- 2 Integral buffer cylinder
- 3 PCB housing
- 4 Safety valve
- 5 4/3-way valve
- 6 Secondary pump
- 7 Instantaneous heater element
- 8 7" touch control unit
- 9 3/2-way bivalent valve

Product features:

- Air/water heat pumps in monobloc design, prepared for hybrid operation with external heat generator up to 36kW.
- For space heating/cooling and domestic hot water heating.
- Maximum flow temperature of 70°C (at an outside temperature down to -10°C).
- Monobloc Hydrobox unit with heat pump control, high-efficiency circulation pump for the secondary circuit, 4/3-way valve, safety group.
- Integrated instantaneous heating water heater.
- Integrated defrost buffer and overflow valve.
- 5 year warranty on parts and labour.

Advantages at a glance:

- Flow temperature of 70°C (at an outside temperature down to -10°C), ideal for modernisation projects.
- Protects the environment using environmentally friendly, natural refrigerant R290 with a particularly low GWP100 of 0.02 (GWP = Global Warming Potential).
- Reliable operation with maximum efficiency (OptiPerform).
- Low operating costs thanks to high efficiency, COP (Coefficient of Performance) in accordance with EN 14511: up to 5.2 (for A7/W35).
- 60 % less space required than comparable models.
- Integrated energy management system ensures transparency for energy consumption and costs.
- Active cooling in summer thanks to cooling function.
- Simple operation via ViCare app.
- Easy integration into the existing heating system, including the existing heat generator.





Viessmann OneBase makes the home more comfortable, more efficient and future-proof.



Viessmann OneBase connects digital services with the complete energy systems of heat pumps, ventilation systems, electricity storage systems and photovoltaic systems.

All Viessmann systems and smart home solutions on one platform.

With Viessmann OneBase, the entire energy system is operated via a single app - simply, reliably and quickly.

The new platform connects all devices and electronic applications in your home into a single climate and energy solution.

This provides lower energy consumption through intelligent management, a smaller carbon footprint through the integration of self-generated photovoltaic electricity, and a constantly updated overview of running costs. Viessmann One Base makes your own four walls fit for a climate-friendly future!

Only one system is required: Viessmann OneBase

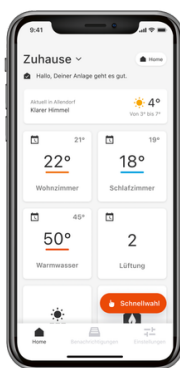
The platform integrates existing smart home solutions seamlessly and wirelessly. It can be easily expanded, for example with a wallbox for charging your own electric car.

Viessmann One Base is open to all additional digital services. Controlling the integrated services and devices is easy with voice assistants such as Amazon Alexa or Google Assistant. The platform is the basis for a scalable and future-proof energy system in every home.

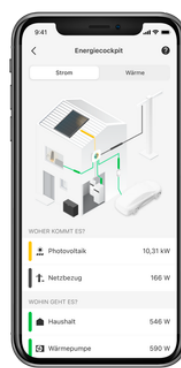
Around the clock in the best hands.

To communicate with Viessmann One Base, all you need is the ViCare app; the integrated energy management system takes care of the rest. Viessmann One Base can be operated quickly and easily via the app.

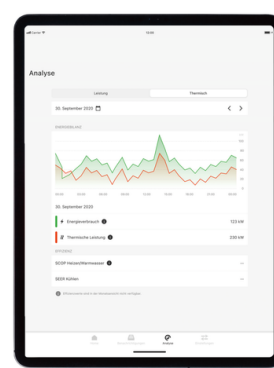
In addition, the installer can keep an eye on the system remotely and correct any irregularities immediately. This eliminates unnecessary trips and appointments with the installer.



The home page in the ViCare app allows users to see all the important information of their system, and control key temperatures and settings.



The energy dashboard in the ViCare app allows users to keep an eye on the energy flow in their household.



The energy balance visualises current and past energy flow. It documents the performance of the overall system.

Viessmann OneBase - Many advantages

- **Convenience:** Control of the energy system via app. On request, linking to other devices and services such as Amazon Alexa, Google Assistant and others.
- **Efficiency:** The platform ensures particularly efficient and cost-effective operation through the networking and optimisation of energy flow.
- **Security:** The installer is automatically informed of any irregularities and can remedy possible causes online.
- **Future-proof:** Long-term integration of all desired digital services, upgrades and product enhancements, for example photovoltaics with electricity storage and wallbox for e-mobility.



ViCare app used to control the heating system.



ViCare thermostatic radiator valve for manual and app temperature adjustment of the radiator.

TECHNICAL DATA

Vitocal 150-A, 150-A Modular, 150-A Compact & 150-A Hybrid

Vitocal 150-A Vitocal 150-A Modular Vitocal 150-A Compact Vitocal 150-A Hybrid	Type	08	10	13	16	10	13	16
Voltage	V	230	230	230	230	400	400	400
Rated heat output								
Output at A7/W35 EN 14511	kW	5.6	7.3	8.1	9.1	7.4	8.1	9.1
Output at A-7/W35 EN 14511	kW	6.5	9.7	11.1	12.4	9.7	11.1	12.4
Coefficient of performance (COP)		4.7	5.0	5.0	4.9	5.2	5.1	5.0
in heating mode rated output	kW	2.1 - 8.0	2.6 - 12.0	2.6 - 12.3	3.0 - 13.7	2.6 - 12.0	3.0 - 13.4	3.3 - 14.9
Flow temperature	°C	70	70	70	70	70	70	70
Sound power level	dB(A)	51	53	54	55	53	54	55
Rated cooling output								
Cooling capacity	kW	6.0	9.6	11.0	13.2	9.5	11.2	13.3
Coefficient of performance EER		3.9	4.4	4.0	3.7	4.5	4.1	3.7
Cooling capacity max.	kW	6.0	14.4	14.7	17.0	13.4	14.7	16.0
Refrigerant circuit								
Refrigerant		R290	R290	R290	R290	R290	R290	R290
- Filling quantity on delivery	kg	2.0	2.0	2.0	2.0	2.0	2.0	2.0
- Global warming potential (GWP100 IPCC AR6)		0.02	0.02	0.02	0.02	0.02	0.02	0.02
- CO2 equivalent	t	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004
Dimensions								
Outdoor heat pump	mm	841H 1,144W 600D			1,382H x 1,144W x 600D			
Weight								
Outdoor heat pump	kg	162			197			
Dimensions								
Standard Hydrobox	mm				949H x 450W x 360D			
Modular Hydrobox	mm				949H x 450W x 360D			
Compact Hydrobox	mm				1,900H x 600W x 597D			
Hybrid Hydrobox	mm				920H x 600W x 360D			
Weight								
Standard Hydrobox (empty / filled)	kg				47 / 74			
Modular Hydrobox (empty / filled)	kg				47 / 74			
Compact Hydrobox (empty / filled)	kg				170 / 386			
Hybrid Hydrobox (empty / filled)	kg				45 / 79			
Energy efficiency at W35	%	175	190	178	178	199	194	188
Energy efficiency at W55	%	137	145	141	141	156	155	150
Energy efficiency class (heating)		A ⁺⁺ (G>A ⁺⁺⁺) ¹			A ⁺⁺⁺ (G>A ⁺⁺⁺) ¹			
Compact Hydrobox								
Storage tank capacity	L				190			
Energy efficiency class					A(F>A ⁺) ²			

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Learn more about the
Vitocal 150-A hydronic
heat pump range:



1) The energy efficiency classes of heat generators are in a range from G to A+++

2) The energy efficiency classes of storage tanks range from F to A+

COP at operating point A7/W35 in accordance with EN 14511 at nominal heat output.

Performance range min/max at operating point A7/W35.

Measurement of the sound power sum level based on DIN EN 12102-1:2023 and DIN EN ISO 3744:2011 at ErP

point C in accordance with DIN EN 14825 with operating conditions A7/W55.

Cooling capacity and EER at operating point A35/W18 in accordance with EN 14511.

Energy efficiency: Heating performance data in accordance with EU Regulation No. 813/2013 at average climate conditions for low temperature application (W35) and medium temperature application (W55).