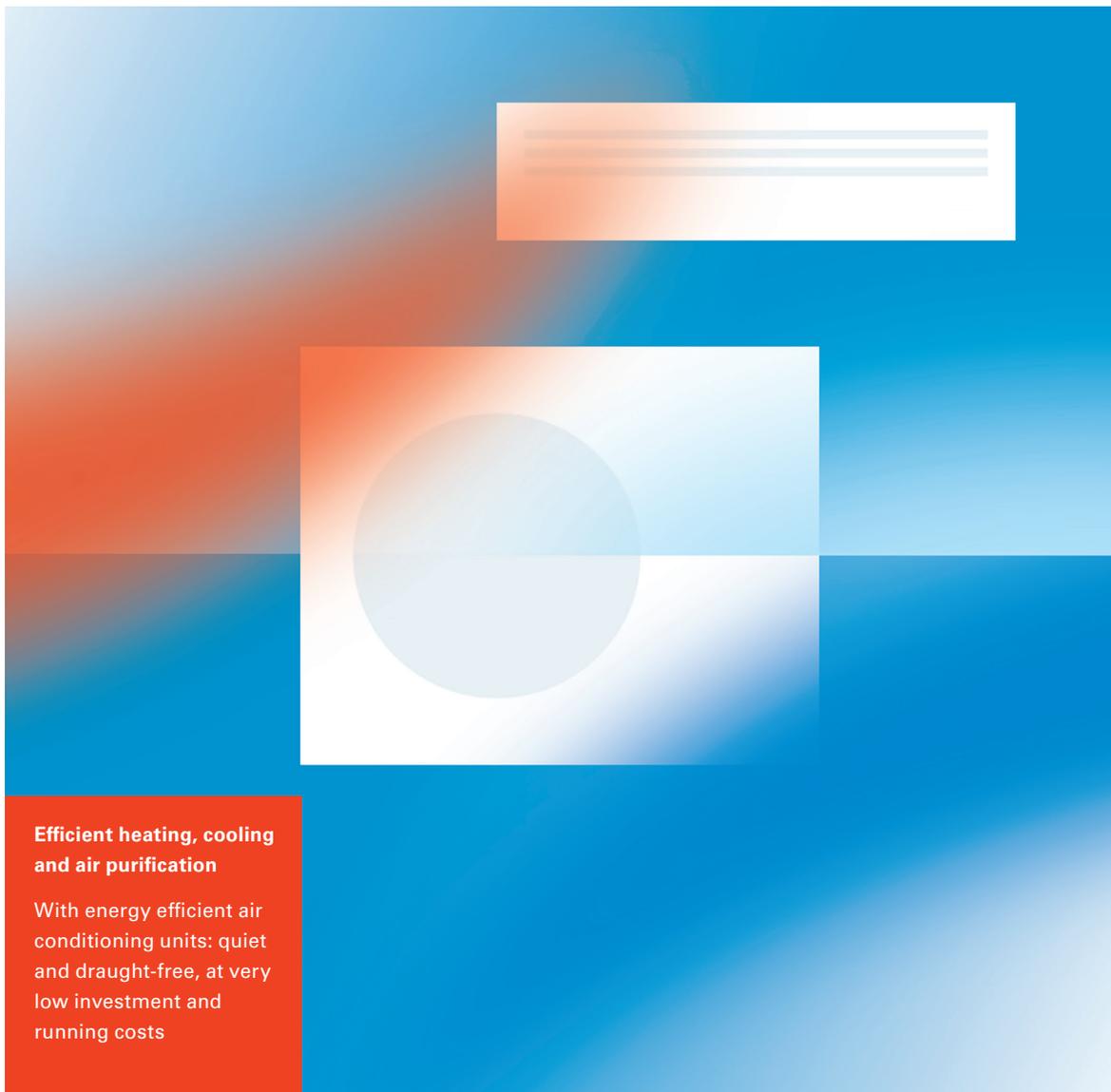




TECHNOLOGY BROCHURE

Climate comfort for the home





Climate change brings with it ever-rising temperatures, which have a detrimental effect on our wellbeing, especially in the summer months. On hot summer days, not only do we want to enjoy pleasant coolness when indoors, but air conditioning in the home also benefits our health and productivity. We perceive the room temperature to be ideal at around 21 °C on average. Relative room air humidity should be around 50 percent. However, these values fluctuate over the course of the day, influencing our abilities, concentration and sense of wellbeing.

It is good to know that modern air conditioning systems can permanently affect the indoor temperature and humidity both during the day and at night – and, because the indoor air is filtered several times in the process, it is cleaned of pollutants, a welcome side effect not just for people with allergies. The result is a constantly pleasant and healthy indoor environment.

And all this with the help of technology that is barely noticed, with intelligent operating features, extremely low operating noise and maximum energy efficiency.

Flexible climate solutions for every application

Healthy room climate

The use of air conditioning has been gaining more and more attention, especially since the start of the coronavirus pandemic. The new climate solutions from Viessmann fully meet the increased need for a healthy indoor environment and thermal comfort.

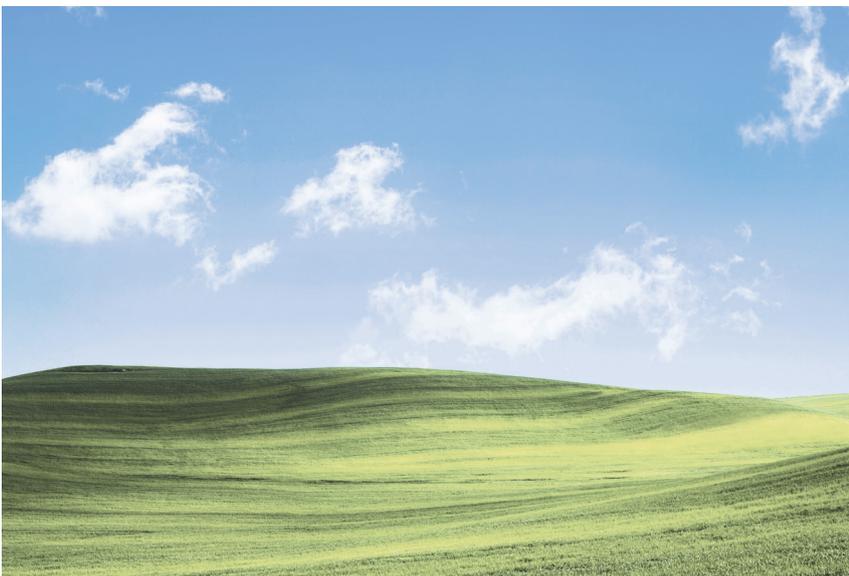
Individual climate solutions for every premises

The single or multi split air conditioning units conveniently provide a healthy feel-good climate with low energy consumption, with innovative systems that not only cool the indoor air but also effectively dehumidify and purify it at the same time. That's a benefit that not just people with allergies will appreciate. Viessmann's integrated range of solutions has a system for every home and every need.

Energy efficient combination with heat pump, photovoltaics and power storage unit

In new builds and modernisation projects alike, heat pumps that can be operated with self-generated power from photovoltaics are increasingly being used. Combined with a power storage unit, this makes it possible to achieve a high degree of independence from the public electricity grid and fossil fuel systems.

The new Vitoclima units can be perfectly integrated. Vitoclima can also be used as a heat pump, simply by reversing the way it works. In this case, heat is extracted from the outdoor air and transferred to the room. This saves energy and costs, as the heating can remain switched off.



The environmentally friendly air conditioning units ensure a healthy and pleasant room climate at all times of the day and year.

Flexible solutions for a wide range of applications

The new Vitoclima units for ceiling mounting, wall mounting or duct installation offer flexible solutions for both individual rooms and entire apartments, right through to complete buildings, from private to commercial use in smaller offices or doctors' surgeries. The modern, timeless design blends seamlessly into any interior style. The basis of multi split systems is always an outdoor unit, to which two or more indoor units are usually connected. This means that different

rooms can be air conditioned individually – and conveniently operated by remote control.

Less energy consumption

The advanced DC inverter technology adapts the output exactly to the actual demand with its modulating operating mode. This keeps the required temperature constant and reduces energy consumption by up to 35 percent compared to old air conditioning units.

Vitoclima multi split outdoor unit with the available indoor units



Outdoor unit



Indoor units for wall mounting in white and silver (Vitoclima 200-S and 300-S)

Indoor unit for floor and ceiling mounting

Indoor unit for duct installation, low manometric pressure, with panel/cover

Indoor unit for duct installation, medium manometric pressure

Ceiling cassette

SINGLE SPLIT AIR CONDITIONING UNIT

Rated cooling capacity: 2.6 to 5.2 kW

Rated heating output: 3.2 to 6.0 kW



Vitoclima 300-S

The room climate solution with reversible operating mode and active air treatment enables indoor spaces to be conveniently heated, cooled and dehumidified.

The air conditioning system consists of a compact outdoor unit and two optional indoor units. The wall mounted units are available in either white or silver, so the Vitoclima 300-S fits well with any interior style.

PRODUCT FEATURES

- Compact outdoor unit and two optional indoor units with coated heat exchanger for a lastingly efficient, antibacterial operating mode and self-cleaning functions
- Indoor units as wall mounted device (in either white or silver) with high efficiency heat exchanger, and passive and active air filter functions
- LCD infrared remote control
- Application range, heating: to -20 °C and cooling: to +43 °C

BENEFITS AT A GLANCE

- + Low running costs due to very high performance figures and efficiency class: A+++/A+++ (heating/cooling)
- + Output control and DC inverter for high efficiency even in partial load operation
- + Microprocessor control for monitoring and maintaining room air temperature and humidity
- + Easy to use infrared remote control unit with numerous useful functions
- + Particularly quiet operation due to variable speed fans and sound insulation
- + Compact outdoor and indoor units for space saving installation
- + Environmentally responsible refrigerant R32
- + Self-cleaning function and sterilisation program for the indoor units
- + Active, cleanable IFD filter (against fine dust, bacteria, viruses)
- + Presence and eco sensor for maximum convenience and energy saving
- + Integral WiFi interface



Vitoclima 300-S
Infrared remote control



Vitoclima 300-S
Indoor units and outdoor unit

SINGLE SPLIT AIR CONDITIONING UNIT

Rated cooling capacity: 2.6 to 6.8 kW

Rated heating output: 2.8 to 6.8 kW

Vitoclima 200-S

The room climate solution with reversible operating mode and air treatment enables indoor spaces to be conveniently heated, cooled and dehumidified.

The air conditioning system consists of a compact outdoor unit, and an indoor unit as a wall mounted device.

PRODUCT FEATURES

- Compact outdoor unit and indoor unit with coated heat exchanger for a lastingly efficient operating mode
- Indoor unit as a wall mounted device with high efficiency heat exchanger and passive air filter function (passive filter as accessory)
- Infrared remote control
- Application range, heating: to -15 °C and cooling: to +43 °C

BENEFITS AT A GLANCE

- + Low running costs due to very high performance figures and efficiency class: up to A⁺/A⁺⁺ (heating/cooling)
- + Output control and DC inverter for high efficiency even in partial load operation
- + Microprocessor control for monitoring and maintaining room air temperature and humidity
- + Easy to use infrared remote control unit with numerous useful functions
- + Quiet operation due to variable speed fans and sound insulation
- + Compact outdoor and indoor units for space saving installation
- + Environmentally responsible refrigerant R32
- + Indoor unit self-cleaning function
- + Integral WiFi interface



Vitoclima 200-S
Indoor unit and outdoor unit



MULTI SPLIT AIR CONDITIONING UNITS

Rated cooling capacity: 4.6 to 10.0 kW

Rated heating output: 5.2 to 10.5 kW



Vitoclima 200-S Multi

The room climate solution with reversible operating mode and air treatment enables indoor spaces to be conveniently heated and cooled.

The air conditioning system consists of a compact outdoor unit for connecting several indoor units: these are optionally available as wall mounted units or ceiling cassette units, or for duct installation. So the Vitoclima 200-S Multi fits well with any interior style.

PRODUCT FEATURES

- Compact outdoor unit and optional indoor units with coated heat exchanger for a lastingly efficient, antibacterial operating mode and self-cleaning function
- Indoor units as a wall mounted device or ceiling cassette unit, or for duct installation with high efficiency heat exchanger and passive air filter function (selection depending on output and installation situation)
- Remote control
- Application range, heating: to -15 °C and cooling: to +46 °C

BENEFITS AT A GLANCE

- + Low running costs due to very high performance figures and efficiency class up to: A⁺⁺/A⁺⁺⁺ (heating/cooling)
- + Output control and DC inverter for high efficiency even in partial load operation
- + Microprocessor control for monitoring and maintaining room air temperature and humidity
- + Easy to use remote control unit with numerous useful functions
- + Quiet operation due to variable speed fans and sound insulation
- + Compact outdoor and indoor units for space saving installation
- + Environmentally responsible refrigerant R32
- + Inverter plus technology for high efficiency and maximum functional reliability in the event of power fluctuations
- + Coated evaporator for self-cleaning and good heat transfer



Vitoclima 200-S multi split outdoor unit with the available indoor unit for floor and ceiling mounting



Indoor unit for duct installation, low manometric pressure, with panel/cover



Indoor unit for duct installation, medium manometric pressure



Ceiling cassette

VITOClima 300-S

Vitoclima 300-S	kW	2.6	3.5	5.2
Heating output range according to EN 14511 at A7/A20	kW	1.1 – 5.4	1.3 – 5.8	1.4 – 6.9
Cooling capacity range according to EN 14511 at A35/A20	kW	1.0 – 4.0	1.0 – 4.0	1.4 – 6.0
SCOP MT value medium		5.1	5.1	4.6
Seasonal coefficient of performance LT (SCOP) warm		6.2	6.2	5.6
Seasonal energy efficiency ratio (SEER)		8.8	8.8	7.5
Refrigerant		R32	R32	R32
Sound pressure level, indoor unit	dB(A)	15 – 36	16 – 37	28 – 41
Weight Indoor unit	kg	12	12	15
Outdoor unit	kg	30	30	46
Dimensions, indoor unit Width	mm	923	923	1050
Length	mm	215	215	235
Height	mm	320	320	350
Dimensions, outdoor unit Width	mm	800	800	820
Length	mm	275	275	338
Height	mm	553	553	614
Energy efficiency class* for heating/cooling		A+++/A+++	A+++/A+++	A++/A++



Indoor unit – silver



Indoor unit – white



Outdoor unit

VITOClima 200-S

Vitoclima 200-S	kW	2.6	3.2	5.0	6.8
Heating output range according to EN 14511 at A7/A20	kW	0.8 – 3.2	0.8 – 4.2	1.4 – 6.0	2.4 – 9.5
Cooling capacity range according to EN 14511 at A35/A20	kW	0.8 – 3.0	0.8 – 3.6	1.3 – 5.8	2.2 – 8.5
SCOP value MT medium		4.0	4.0	4.0	4.0
SCOP value MT warm		5.1	5.1	5.1	5.1
Seasonal energy efficiency ratio (SEER)		6.1	6.1	6.1	6.8
Refrigerant		R32	R32	R32	R32
Sound pressure level, indoor unit	dB(A)	18 – 37	19 – 37	28 – 44	21 – 45
Weight Indoor unit	kg	8	8	12	12
Outdoor unit	kg	23	24	33	44
Dimensions, indoor unit Width	mm	805	805	975	975
Length	mm	200	200	220	220
Height	mm	290	290	320	320
Dimensions, outdoor unit Width	mm	700	700	800	890
Length	mm	245	245	275	340
Height	mm	544	544	553	705
Energy efficiency class* for heating/cooling		A+/A++	A+/A++	A+/A++	A+/A++



Indoor unit



Outdoor unit

* Energy efficiency class as per Commission Regulation (EU) No 813/2013 for heating, average climatic conditions

VITOClima 200-S MULTI

Multi split air conditioning unit with DC inverter technology

VITOClima 200-S MULTI – indoor units

Vitoclima 200-S Multi	kW	2.2 – 5.2	2.2 – 5.0	2.6 – 7.1	3.5 – 7.1	2.5 – 7.1	3.5 – 7.1
Type		Wall mounted	Wall mounted	Ceiling cassette	Floor/ceiling	Duct installation	Duct installation
Colour		White/silver	White	White	White	White	White
Version		Premium	Comfort			Low manometric pressure	Medium manometric pressure
Heating output range according to EN 14511 at A7/A20	kW	1.1 – 6.9	0.8 – 6.0	3.2 – 8.0	4.0 – 8.0	3.0 – 7.5	4.0 – 8.0
Cooling capacity range according to EN 14511 at A35/A20	kW	1.0 – 6.0	0.8 – 5.8	2.6 – 7.1	3.5 – 7.1	2.5 – 7.1	3.5 – 7.1
Sound pressure level	dB(A)	15 – 41	18 – 45	23 – 42	30 – 44	25 – 46	26 – 44
Weight	kg	12/15	8/12	17/19/27	26/34	16/22	26/31
Dimensions							
Width	mm	923/1050	805/975	570/840	1000/1325	850/1170	700/1100
Length	mm	215/235	200/220	570/840	230	420	700
Height	mm	320/350	290/320	204/260	680	185	248
Energy efficiency class* for heating/cooling		Up to A+++/A++	A+/A++	A+/A++	A+/A++	A+/A++	A+/A++



Indoor unit for floor and ceiling mounting



Ceiling cassette



Indoor unit for duct installation, low manometric pressure, with panel/cover



Indoor unit for duct installation, medium manometric pressure

VITOClima 200-S MULTI – outdoor units

Vitoclima 200-S Multi	kW	5.0	7.0	8.5	10.5
Max. number of indoor units		2	3	4	5
Heating output range according to EN 14511 at A7/A20 (in combination with Vitoclima 300-S wall mounted indoor unit)	kW	1.6 – 6.1	2.9 – 8.5	4.4 – 10.5	4.4 – 11.5
Cooling capacity range according to EN 14511 at A35/A20 (in combination with Vitoclima 300-S wall mounted indoor unit)	kW	1.3 – 6.0	2.4 – 7.6	3.2 – 9.5	3.2 – 11.0
SCOP value MT		4.6	4.6	4.2	4.2
Seasonal energy efficiency ratio (SEER)		8.5	8.5	7.0	7.0
Refrigerant		R32	R32	R32	R32
Sound pressure level	dB(A)	63	66	68	70
Weight	kg	36	54	61	66
Dimensions					
Width	mm	800	890	890	920
Length	mm	275	340	340	372
Height	mm	553	700	700	760



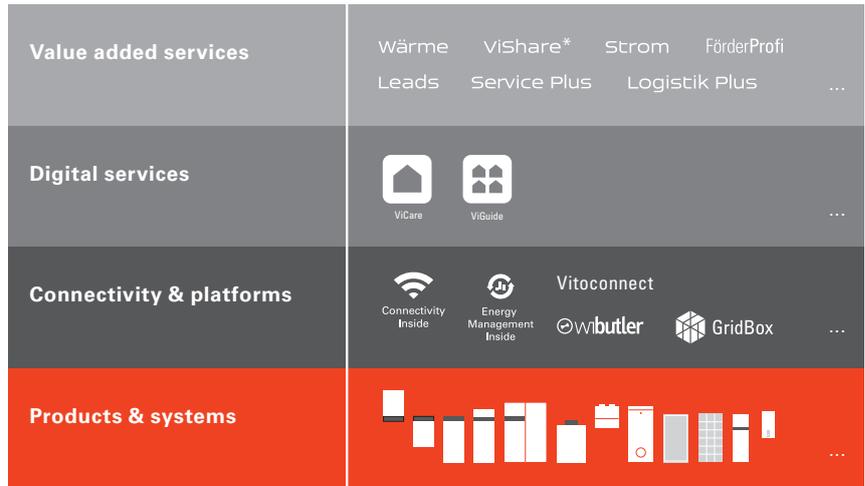
Outdoor unit

* Energy efficiency class as per Commission Regulation (EU) No 813/2013 for heating, average climatic conditions



Viessmann One Base networks digital services with complete energy systems, including heat pumps, ventilation systems, power storage units and photovoltaic systems.

**VISSMANN
ONE BASE**



Seamless integration of products and systems with digital services and value added services for system users and trade partners

* The operator and contractual partner of the ViShare Energy Community is Energy Market Solutions GmbH (EMS), a subsidiary of the Viessmann Group.

We are Viessmann, a family business. Founded in 1917 as a heating technology manufacturer, today we are the world's leading provider of sustainable climate (heating, cooling and air quality) and renewable energy solutions.

Our integrated range of solutions seamlessly connects products and systems via digital platforms and services, creating an individualised feel-good climate for our users. All our activities are driven by the corporate mission statement, "We create living spaces for generations to come." This is the responsibility that we, the 13,000 members of the Viessmann family, take on every day together with our (trade) partners.



**We create living spaces
for generations to come.**



Number 1 Trade Partner – for the 16th consecutive time

Practical partnership

As part of its comprehensive range, Viessmann also offers a wide selection of value added services. These include an extensive training and further development programme for trade partners at the well-equipped training facilities of the Viessmann Academy.

With its new digital services, Viessmann offers innovative solutions such as the operation and monitoring of heating systems by smartphone. Users benefit from greater reassurance and convenience, whilst contractors can keep a constant eye on the systems for which they are responsible.



As a family company in its fourth generation, we take a long term view: we create living spaces for generations to come. This mission statement guides the actions of all employees in the large Viessmann family.

VISSMANN GROUP IN FIGURES

1917

— Viessmann was founded

13 000

— employees

3.4

— Group turnover in billions of euros

54

— export share in percent

22

— manufacturing sites in
12 countries

74

— sales companies in
43 countries

120

— sales offices worldwide



Viessmann Climate Solutions SE
35107 Allendorf (Eder)
Germany
Telephone: +49 6452 70-0
www.viessmann.de

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