



**PRODUCT RANGE OVERVIEW**

Our comprehensive range of cutting-edge heating and climate technologies.







# We are Viessmann Climate Solutions

## +100 years of expertise for a sustainable future

For 107 years, Viessmann products have been working every day to further improve climate solutions for people and the environment. Our conviction is clear: there is no future without innovative strength. That is why we actively shape how our society uses energy today and tomorrow.

## Our commitment to sustainability and innovation

The world around us is changing at a breathtaking pace. At Viessmann Climate Solutions, we are always ready to meet the challenges of change and help shape a sustainable future. Our DNA is characterised by a deep enthusiasm for new things and a keen awareness of technical and economic trends.

At Viessmann Climate Solutions, we continuously set standards and develop innovative products that meet the constantly changing needs of our customers. Instead of seeing the challenges of the energy transition and digital transformation as obstacles, we see them as opportunities.

## Always one step ahead

By actively tackling these challenges, we gain new perspectives and develop pioneering solutions. Our power of innovation allows us to drive the energy transition forward and provide our customers with the necessary tools to effect sustainable change. Our 107 years of expertise and experience form the foundation for our passion and know-how in tackling the challenges of the future.

## Reaching the goal together

Our research and development teams, consisting of engineers, technicians, product managers, software developers and data specialists, are constantly striving to develop ever more efficient solutions. Their aim is to increase the benefits for our customers while optimising the use of valuable resources. Digitalization is of great importance and plays a decisive role in this. It is essential for the success of the energy transition. That's why we are consistently focusing on the digitalization of our processes, solutions and services to ensure our success.

## Climate-friendly solutions for all areas

Our heating systems are characterised by their exceptional efficiency. In addition to our outstanding heating systems, we also set the highest standards for power generators and cooling systems. We are aware that these technologies impact greatly on our environment. For this reason, we develop climate-friendly solutions with a focus on sustainability.

## Ready for the future

At Viessmann Climate Solutions, we take pride in our 107 years of expertise and experience. Through our continuous innovation and product development, we are climate heroes for the present and the future. We focus on climate-friendly, sustainable and innovative solutions to drive forward the energy transition and enable a sustainable energy supply.

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## Domestic Gas Condensing Boilers



### VITODENS 050-W

#### Domestic gas condensing combi boiler

Type BOKA  
3.2 to 35 kW  
25 kW, 30 kW: 92% heating seasonal efficiency  
35 kW: 93% heating seasonal efficiency



### VITODENS 050-W

#### Domestic gas condensing system boiler

Type BOHA  
3.2 to 25 kW  
19 kW, 25 kW: 92% heating seasonal efficiency



### VITODENS 100-W

#### Domestic gas condensing heat only boiler

Type B1GA  
11 kW, 16 kW, 19 kW, 25 kW: 92% heating seasonal efficiency  
32 kW: 93% heating seasonal efficiency  
Heat only/open vent boiler



### VITODENS 100-W

#### Domestic gas condensing combi boiler

Type B1KF  
3.2 to 32 kW  
26 kW: 93% heating seasonal efficiency  
30 kW, 35 kW: 94% heating seasonal efficiency



### VITODENS 100-W

#### Domestic gas condensing system boiler

Type B1HF  
3.2 to 32 kW  
11 kW, 19 kW: 93% heating seasonal efficiency  
25 kW, 32 kW: 94% heating seasonal efficiency



### VITODENS 111-W

#### Domestic gas condensing boiler

Type B1LF  
3.2 to 32 kW  
25 kW, 32 kW: 94% heating seasonal efficiency  
Hot water storage combi





## Domestic Gas Condensing Boilers



### VITODENS 200-W

#### Domestic gas condensing combi boiler

Type B2KF  
 2.5 to 32 kW  
 11 kW: 92% heating seasonal efficiency  
 19 kW: 93% heating seasonal efficiency  
 25 kW, 32 kW: 94% heating seasonal efficiency



### VITODENS 200-W

#### Domestic gas condensing system boiler

Type B2HF  
 2.5 to 32 kW  
 19 kW, 25 kW: 93% heating seasonal efficiency  
 32 kW: 94% heating seasonal efficiency



### VITODENS 222-F

#### Domestic gas condensing boiler

Type B2TF  
 1.9 to 32 kW  
 19 kW, 25 kW: 93% heating seasonal efficiency  
 32 kW: 94% heating seasonal efficiency  
 Hot water storage combi



### VITODENS 200-W

#### Light-Commercial gas condensing system boiler

Type B2HA  
 49 kW, 60 kW: 94% heating seasonal efficiency  
 49 and 60 kW models available



## Domestic Electric Boiler



### VITOTRON 100

#### Electric boiler

Type VMN3, VLN3  
 4 to 8 kW 1-phase  
 4 to 24 kW 3-phase  
 Type VMN3 weather compensated control  
 Type VLN3 constant temperature



## Domestic Air Source Heat Pumps



### VITOCAL 150-A R290 / GWP 0.02

#### Air source heat pump

Type AWO-M-E-AC-AF

2.1 to 14.9 kW (EN 14511; A7/W35)

Energy efficiency class 35/55°C:

A+++/A++

Energy efficiency at 35°C: 175% to 190%

Energy efficiency at 55°C: 137% to 145%

1-phase (3-phase available on twin-fan models)



### VITOCAL 151-A R290 / GWP 0.02

#### Air source heat pump with integrated cylinder

Type AWOT-M-E-AC-AF

2.1 to 14.9 kW (EN 14511; A7/W35)

Energy efficiency class:

Heating A++; Hot water (XL) A

Energy efficiency at 35°C: 175% to 190%

Energy efficiency at 55°C: 137% to 145%

1-phase (3-phase available on twin-fan models)

Includes 190 litre cylinder



### VITOCAL 200-A R410A / GWP 1924

#### Air source heat pump

Type AWO-M-E-AC-201

2.4 to 14.7 kW

Energy efficiency class 35/55°C:

A+++/A++

Energy efficiency at 35°C: 172% to 176%

Energy efficiency at 55°C: 124% to 130%

1-phase

Available for heating and cooling or heat only

Cascade options available



### VITOCAL 222-A R410A / GWP 1924

#### Air source heat pump with integrated cylinder

Type AWOT-M-E-AC-221

2.4 to 14.7 kW

Energy efficiency class:

Heating A++; Hot water (L) A+

Energy efficiency at 35°C: 172% to 176%

Energy efficiency at 55°C: 124% to 130%

1-phase

Available for heating and cooling or heat only

Includes 220 litre cylinder



## Domestic Ground Source Heat Pumps



### VITOCAL 200-G R410A / GWP 1924

#### Ground source heat pump

Type BWC (-M) 201.B  
Energy efficiency class 35/55°C:  
A+++/A++

**1 phase** (5.7 to 10.3 kW)

Energy efficiency at 35°C: 180% to 194%

Energy efficiency at 55°C: 118% to 123%

**3-phase** (5.8 to 17.4 kW)

Energy efficiency at 35°C: 185% to 204%

Energy efficiency at 55°C: 134% to 150%



### VITOCAL 222-G R410A / GWP 1924

#### Ground source heat pump with integrated cylinder

Type BWT-M 221.B06 up to 221.B10: 230V  
5.7 to 10.3 kW

Energy efficiency class:

Heating A++; Hot water (XL) A+

Energy efficiency at 35°C: 194% to 214%

Energy efficiency at 55°C: 133% to 151%

1 phase

With integral 220 litre cylinder



### VITOCAL 300-G R410A / GWP 1924

#### Ground source heat pump – inverter driven

Type BWC 301.C

1.7 to 15.9 kW

Energy efficiency class 35/55°C:

A+++/A+++

Energy efficiency at 35°C: 204% to 217%

Energy efficiency at 55°C: 141% to 159%

3 phase



## Commercial Gas Condensing Boilers



### VITOCROSSAL 100

#### Commercial gas boiler

Type CIB  
80 to 318 kW  
98% heating seasonal efficiency



### VITOCROSSAL 200

#### Commercial gas boiler

Type CI3  
80 to 640 kW  
Cascade up to 5120 kW (8 units)



### VITOCROSSAL 200

#### Commercial gas boiler

Type CRU  
800 to 1000 kW  
98% heating seasonal efficiency



### VITOCROSSAL 300

#### Commercial gas boiler

Type CR3B  
787 to 1400 kW  
98% heating seasonal efficiency



### VITODENS 200-W

#### Commercial gas condensing boiler

Type B2HA  
49 kW, 60 kW, 80 kW: 94% heating seasonal efficiency  
99 kW, 120 kW, 150 kW: 92% heating seasonal efficiency  
Can be cascaded up to 594kW with 6 units  
Wall mounted boiler







## Commercial Ground Source Heat Pumps



**VITOCAL 300-G  
R410A / GWP 1924**

### Commercial ground source heat pump

Type BW/BWS 301.A  
21.2 to 42.8 kW  
Up to 428 kW as a cascade  
Energy efficiency class 35/55°C:  
A+++/A++  
Energy efficiency at 35°C: 196% to 211%  
Energy efficiency at 55°C: 136% to 141%  
3 phase



**VITOCAL 350-G  
R410A / GWP 1924**

### Commercial ground source heat pump

Type BW/BWS 351.B  
20.5 to 42.3 kW  
Energy efficiency class 35/55°C:  
A+++/A++  
Energy efficiency at 35°C: 141% to 217%  
Energy efficiency at 55°C: 196% to 213%  
3 phase



**VITOCAL 300-G PRO  
R410A / GWP 1924**

### Commercial ground source heat pump

Type BW 302.D  
84.9 to 222.2 kW  
Energy efficiency at 35°C: 191% to 196%  
Energy efficiency at 55°C: 137% to 143%



**VITOCAL 350-G PRO  
R134A / GWP 1360**

### Commercial ground source heat pump

Type BWR 352.B and BWR 353.B  
27.3 to 197.9 kW  
Energy efficiency class 35/55°C:  
A+/A+ (27, 34, 52 kW)  
Energy efficiency at 35°C: 147% to 154%  
Energy efficiency at 55°C: 112% to 118%



**VITOCAL 350-G PRO C  
R513A / GWP 631**

### Frequency controlled brine/water heat pump

Type BWR 352.C  
75 to 210 kW  
Energy efficiency at 35°C: 168% to 181%  
Energy efficiency at 55°C: 135% to 145%  
Refrigerant R513A (GWP 631)  
**For the following heat sources:**  
Ground: brine/water direct  
Permissible operating pressure: Heating water 10 bar (1 MPa)  
Water: water/water with intermediate brine circuit  
Permissible operating pressure: Heating water 10 bar (1 MPa)  
Air: air/water with air/brine heat exchanger  
Permissible operating pressure: Heating water 6 bar (0.6 MPa)

## Commercial Air Source Heat Pumps



### VITOCAL 200-A PRO R407C / GWP 1774

#### Commercial air source heat pump

Heating output: 32, 64, 128 kW  
Cooling capacity: 35, 70, 140 kW  
Cascade options available  
Energy efficiency class 35/55°C: A++/A+



### VITOCAL 250-A PRO R290 / GWP 0.02

#### Commercial air source heat pump

Heating output: 32, 40 kW  
Cooling capacity: 30, 38 kW  
Output of up to 160 kW through  
cascade arrangement  
Energy efficiency class 35/50°C: A+++/A++

**COMING  
SOON**

## Oil Condensing Boiler



### VITORONDENS 200-T

#### Oil condensing boiler

Type JR2A  
20.2 to 107.3 kW  
97% heating seasonal efficiency



## Oil / Gas Low-Temperature Boiler



### VITOMAX M60A

#### Oil / gas low-temperature boiler

Type M60-A  
700 kW, 1950 kW  
89% heating seasonal efficiency





## Industrial Boilers



### VITOMAX LW

#### Low pressure hot water boiler

Type LW  
0.65 to 22.0 MW  
95.5% heating seasonal efficiency  
Permissible for flow temperature up to 11°C



### VITOMAX HW

#### High pressure hot water boiler

Type HW  
0.35 to 20.0 MW  
95.5% heating seasonal efficiency  
Permissible for flow temperature up to 21°C



### VITOMAX HS

#### High pressure hot water steam boiler

Type HS  
0.5 to 31.5 t/h  
95.5% heating seasonal efficiency



### VITOMAX 300-E

#### Electrified hot water and steam boiler

Delivers an output of up to 10 tonnes/hour (steam)  
or 9 megawatts and 25 bar (hot water)  
99% heating seasonal efficiency



## Combined Heat and Power Generation - CHP

**VITOBLOC 200****Type EM-50/81**

Electrical output: 50 kW  
Thermal output: 83 kW

**Type EM-70/115**

Electrical output: 70 kW  
Thermal output: 117 kW

Overall efficiency: 91.7%  
Primary energy savings:  
26.4%. For heat-led or  
power operation

**VITOBLOC 200****Type EM-100/173**

Electrical output: 99 kW  
Thermal output: 173 kW

**Type EM-134/202**

Electrical output: 134 kW  
Thermal output: 202 kW

**Type EM-140/207**

Electrical output: 140 kW  
Thermal output: 209 kW

Overall efficiency: 90.6%  
Primary energy savings:  
26.8%. For heat-led or  
power operation

**VITOBLOC 200****Type NG-260**

Electrical output: 263 kW  
Thermal output: 416 kW

Overall efficiency: 94.2%  
Primary energy savings:  
29.87%. For heat-led or  
power operation

**VITOBLOC 200****Type NG-430**

Electrical output: 435 kW  
Thermal output: 581 + 33 kW  
SCR-Ready option available  
for extra low NOx emissions

**Type NG-530**

Electrical output: 530 kW  
Thermal output: 675 + 36 kW  
SCR-Ready option available  
for extra low NOx emissions

Overall efficiency: 89.7%  
Primary energy savings:  
27%. For heat-led or  
power operation

**VITOBLOC 300****Type NG 15**

Electrical output: 15 kW  
Thermal output: 38.3 kW

**Type NG 20**

Electrical output: 20 kW  
Thermal output: 46.5 kW

Overall efficiency: 106.6%  
Primary energy savings:  
32.3%. For heat-led or  
power operation





## Solar Thermal Collectors



### VITOSOL 100-FM

#### Solar thermal flat plate collector system

Type SVKF, SVKG  
4.04m<sup>2</sup> aperture area (system)  
Available only as two panel system  
On roof and in roof



### VITOSOL 100-FM

#### Solar thermal flat plate collector

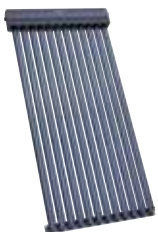
Type SV1F, SH1F  
2.33m<sup>2</sup> aperture area  
On roof



### VITOSOL 200-FM

#### Solar thermal flat plate collector

Type SV2F, SH2F, SV2G, SH2G  
2.33m<sup>2</sup> aperture area  
On roof and in roof



### VITOSOL 300-TM

#### Solar thermal vacuum tube collector

Type SP3C  
1.6m<sup>2</sup> / 3.19m<sup>2</sup> aperture area  
Above tiles  
For installation on flat or pitched roof, on walls and free standing instalments



## Solar Photovoltaic Module



### VITOVOLT 300

#### Photovoltaic system

400 to 440 Wp  
On roof



## DHW Cylinders



### VITOCCELL 300 V

#### Cylinder

Type EVIV

Cylinder capacity: 160 to 500 litres

Single coil DHW cylinder



### VITOCCELL 300-B

#### Cylinder

Type EVBA

Cylinder capacity: 300 to 500 litres

Twin coil DHW cylinder



### VITOCCELL 100-L

#### Cylinder w/ Vitotrans 222

Cylinder capacity: 500 to 2000 litres

By adding the Vitotrans 222 supplied as an accessory, the Vitocell 100-L forms a cylinder loading system for DHW heating.



### VITOTRANS 222

#### Cylinder w/ Vitocell 100-L

80 kW, 120 kW and 240 kW

Accessory to Vitocell 100-L

Heat exchanger set for cylinder loading

## New Vitocell Cylinder Range

### VITOCCELL



#### Boiler cylinder

100/125/150/175/200/250/300 litres

#### Heat pump cylinder

150/175/200/250/300 litres

#### Heat pump cylinder slimline

150/175/200 litres

#### Heat pump combi cylinder

175/200/250 litres



## Hot Water Buffer Cylinders



### VITOCCELL 100-E

#### Cylinder

Cylinder capacity: 46 to 2000 litres  
Heating buffer vessel



### VITOCCELL 140-E

#### Cylinder

Cylinder capacity: 400 to 950 litres  
Heating buffer vessel with solar coil



### VITOCCELL 160-E

#### Cylinder

Cylinder capacity: 750 to 950 litres  
Heating buffer vessel with solar coil and stratification lance



### VITOCCELL 050-E EC-PRO

#### Cylinder for storing heating water

Cylinder capacity: 935 to 5000 litres  
For storing heating water in conjunction with CHP units, medium boilers, heat pumps and biomass boilers

**COMING  
SOON**

## Mechanical Ventilation Systems with Heat Recovery



### VITOVENT 300-C

#### Mechanical ventilation systems with heat recovery

Max. air flow rate: 150 m<sup>3</sup>/h  
Heat recovery level: up to 89%  
Ceiling or wall mounted



### VITOVENT 300-W

#### Mechanical ventilation systems with heat recovery

Max. air flow rate: 225, 325 or 400 m<sup>3</sup>/h  
Heat recovery level: up to 99%  
Wall mounted



### VITOAIR FS

#### Mechanical ventilation systems with heat recovery

Max. air flow rate: 300 m<sup>3</sup>/h  
Heat recovery level: up to 80%  
Humidity control: up to 74%  
Ceiling mounted

## Smart Heating Controls and Accessories

**VITOCONNECT OPTO2****WiFi extensions**

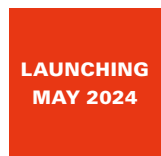
Homeowner can control their heating system from their smartphone or tablet using the ViCare app Interface between heating appliance and apps for non-wifi appliances  
Remote maintenance of the heating system with the ViGuide app

**VITOTROL 100-E****Load compensator control**

Remote control with integrated radio transmitter For controlling Vitodens domestic boilers with integrated wifi  
Battery powered – no wiring needed  
One Base integration  
Boiler fault indication directly on the screen

**VITOTROL 100-EH****Load compensator control**

Remote control with integrated radio transmitter For controlling Vitocal domestic heat pumps with integrated wifi  
Battery powered – no wiring needed  
One Base integration  
Heat pump fault indication directly on the screen

**VITOTROL 200-E****Wired remote control for connection to Viessmann heat generators**

Timer programs for up to 4 heating circuits and DHW cylinders and comfort functions such as holiday/holiday at home program  
Specify the temperature set-point for the DHW temperature and up to 3 set-points for the room temperature  
Integrated room temperature sensor for room temperature connection (only for a heating circuit with mixer)

**VITOTROL 300-E****Heating control**

Wireless remote control with built-in low power radio transmitter for controlling heating systems  
Set room temperatures of different operating modes  
Convenience functions such as holiday program

**VICARE THERMOSTAT****Heating control accessory**

The ViCare Thermostat is a load compensated smart thermostat which is controlled via the ViCare App. It constantly interacts with your Vitodens for the most efficient use and highest level of comfort.







## Control and Monitoring Apps



### VICARE APP

#### Control app

The ViCare app provides the best way to connect homeowners to their Viessmann heating systems  
Homeowner can save costs when not at home  
A direct line to the homeowner's heating contractor  
Intuitive operation via smartphone



### VIGUIDE APP

#### Monitoring app

Remote and innovative monitoring of heating systems for installers  
Immediate action  
Accessible anywhere, web application or app  
Map view to plan your route



### VITOTROL APP

#### Control

Controls Vitoden boilers and some Vitocal heat pumps  
Can be used for a variety of Viessmann devices  
All error messages in plain text  
Attractively priced to purchase and operate

**VISSMANN**  
**ONE BASE**

#### Network and connectivity management

Commissioning, maintenance, service and monitoring for Viessmann systems from a single source

### Viessmann Climate Solutions

## Experience, quality and innovative strength

### We create living spaces for generations to come

We work together every day to push the boundaries within technical possibilities. This is how we manage to increase the efficiency of our climate and energy solutions, conserve valuable resources and provide customers and partners with the greatest possible comfort.



### Perfect conditions for a successful future

In January 2024, Viessmann Climate Solutions became part of Carrier Global Corporation. The combined expertise in the field of efficient energy and climate solutions, with a strong focus on quality and resource-efficient products, creates optimal conditions for a successful future. As a part of Carrier, we will continue to develop technologies and solutions to meet the challenges of the 21st century.



### Quality made in Germany

### We are constantly setting new standards

With our solutions, we are constantly crossing new boundaries – both technologically and geographically. Our award-winning technologies are at home all over the world.





### The Viessmann Brand

## We cultivate our identity and values

Yesterday, today and in the future – we know who we are and what sets us apart. Nevertheless, we do not stand still. We move forward and carefully develop our brand identity.



### Innovations for the future

## We live technological progress

Innovation is the key to the future. With our efficient climate and energy solutions, we are actively helping to shape it. We influence how our society uses energy today and tomorrow.



### +100 years of experience

## Building on a wide range of experience

For over 100 years, we have been working day in, day out to drive technological progress. Our experience forms the foundation of our passion for constantly facing and solving new challenges.



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