

Wall mounted gas condensing boilers, power range: 2.9kW to 24kW

Logamax plus GB172i Logamax plus GB172i T50

Buderus

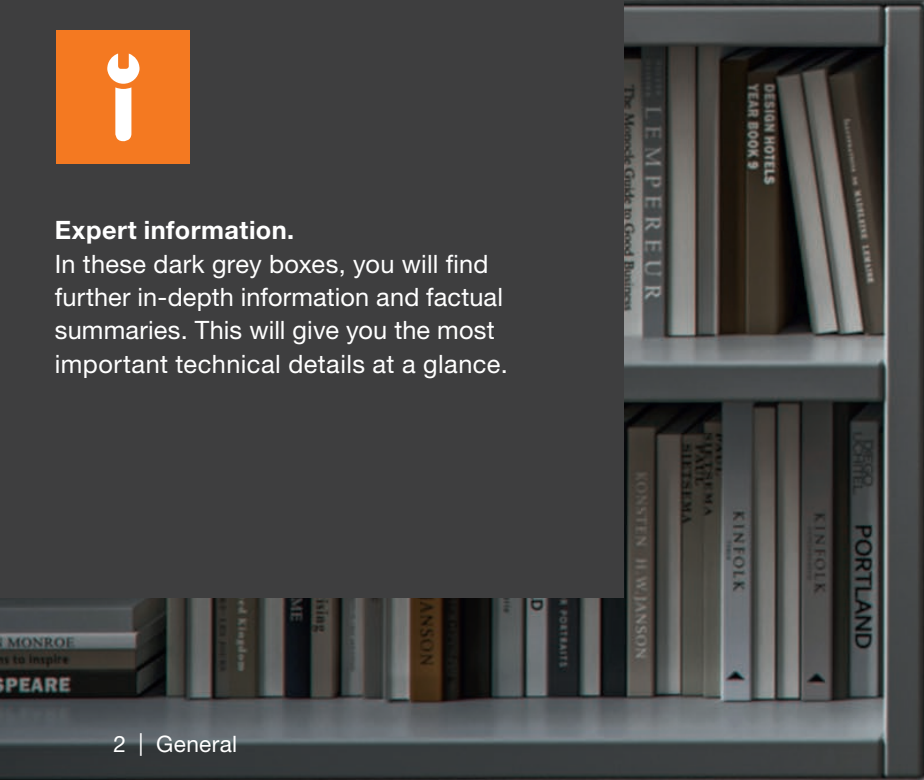
Heating systems
with a future.

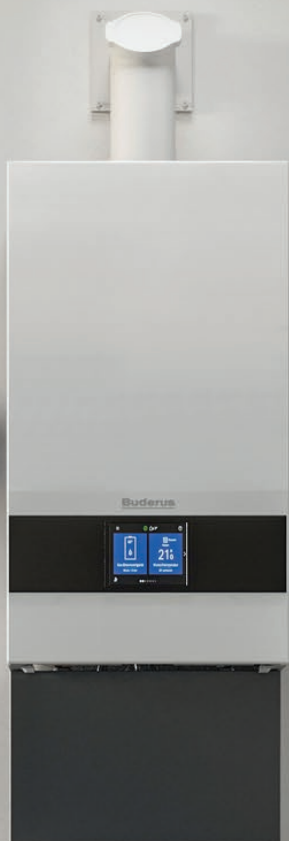




Expert information.

In these dark grey boxes, you will find further in-depth information and factual summaries. This will give you the most important technical details at a glance.





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Classic reliability.

The new Logamax plus GB172i is the perfect wall mounted gas condensing boiler for all customers to whom a good price-performance ratio, reliable technology and effective room heating are just as important as efficiency and climate protection. Its optimised technology means that, with the addition of a hybrid box, you can combine the boiler with a heat pump outdoor unit and turn it into a hybrid system. With the new and intuitive Logamatic BC400 system control unit, it also conveniently provides you with the room heating you require – and the Logamax plus GB172i T50 variant even has a built-in DHW cylinder.

Logamax plus GB172i: New technology for a wealth of new possibilities.

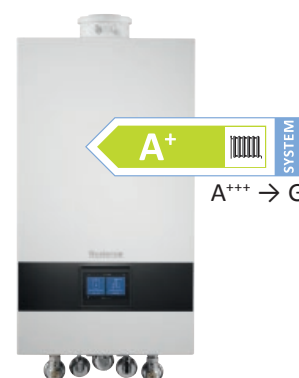
Impressive solutions for Buderus condensing technology have already been tried and tested millions of times over. Thanks to its equipment, the solid and robust Logamax plus GB172i is the perfect partner you can trust, particularly for renovations, as it is reliable and efficient in all outputs.

Well-designed from beginning to end.

The Logamax plus GB172i is fully equipped ex works, which makes it very simple for the installer to install the system or replace parts. Its built-in connections mean that it is compatible with previous models without any problems. It also offers maximum accessibility to the heat exchanger thanks to the removable top panel and the visible control with an adjustable viewing angle. In addition, it is intuitive and convenient to control using the Logamatic BC400 system control unit with a touchscreen.

Made for the future.

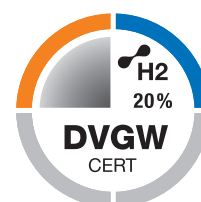
One gaseous energy source that has great potential when it comes to protecting the environment is hydrogen. Even now, a blend of 20 % hydrogen with natural gas can be used and therefore considerably reduces CO₂ emissions. As a result, this mix is seen as another step towards meeting climate goals. This H₂-ready mark indicates that the appliance is suitable for operation with a blend of natural gas and hydrogen.



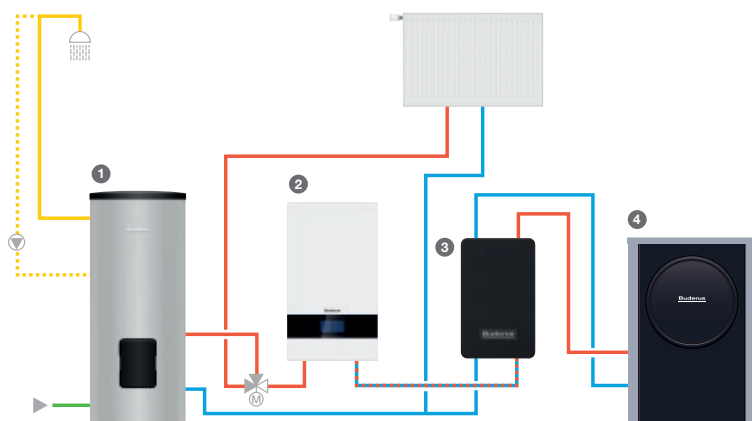
Logamax plus GB172i



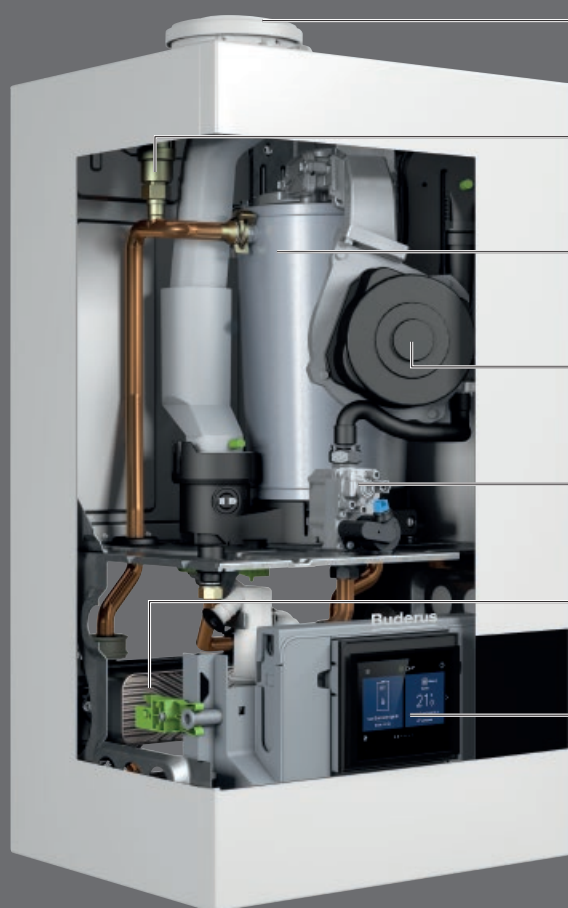
**Logamatic BC400
system control unit**



The rating shows the energy efficiency of the Buderus system, comprising the Logamax plus GB172i-15 with the Logamatic BC400 system control unit and the Logamatic RC220 remote control. The rating may vary depending on the components or output.



- ❶ Logalux SH290
- ❷ Logamax plus GB172i
- ❸ Hybrid box HYC25
- ❹ Logatherm WLW196i AR S+



Flue gas connection

Automatic air vent

Cast aluminium heat exchanger

Controlled combustion air fan

Air/gas ratio control valve, suitable for 20 % hydrogen content in natural gas

Plate heat exchanger (combi boiler only)

Logamatic BC400 system control unit

Logamax plus GB172i

Future-proof system with the addition of a heat pump.

The new Buderus hybrid box means that the Logamax plus GB172i can be effortlessly expanded with a heat pump to form a future-ready hybrid system. The hybrid box connects the boiler to a heat pump outdoor unit – without needing a separate heat pump internal unit or a buffer cylinder. This not only saves space, but also great costs. The built-in HM200 hybrid manager has various control strategies to ensure either cost-optimised operation for saving money or CO₂-optimised operation for protecting the environment.

The HYC25 hybrid box.

The new Buderus hybrid box has all of the necessary hydraulic components and the HM200 hybrid manager built-in as standard.



Hybrid box HYC25



Hybrid box HW set HYC25

The hybrid box HW set HYC25 is installed on the wall next to the wall mounted gas condensing boiler and is connected to the wall mounted gas condensing boiler via an EMS bus cable. The set contains a pressure-relief valve, a connection for the diaphragm expansion vessel, ball valves, the HM200 hybrid manager, two temperature sensors, a service valve with a particulate filter, a low loss header and a circulation pump with LIN bus. The Local Interconnect Network (LIN) acts as a communication system to connect sensors and actuators. Data is exchanged between control device and the circulation pump via the LIN bus. LIN bus circulation pumps can transmit data, such as the volumetric flow rate, energy consumption, current speed and pump status.



Logamax plus GB172i T50: A small cylinder but a high performance.

The compact Logamax plus GB172i T50 wall mounted gas condensing boiler suits all requirements and any room size. It operates so efficiently and reliably that the generated heat for the domestic hot water heating only costs as much as it actually needs to, making it the perfect partner for sustainable renovations.

Built to perfection.

The Logamax plus GB172i T50 is the perfect addition to the successful Logamax plus GB172 range that has tried and tested over a number of years. Its 48-litre DHW cylinder also makes it a variant that is ideally suited to supplying DHW to apartments and single-family homes with a low DHW demand. Thanks to its compact design, it is quick to assemble and simple to maintain.

Intelligently equipped.

The modern condensing technology of Logamax plus GB172i T50 is adapted to rising energy prices and the ever more demanding environmental requirements for heating with gas. Accordingly, it only consumes gas when it is really needed. This is ensured by the modulating burner that constantly adjusts to the current demand, varying the heating capacity between 14 % and 100 %. Its moderate gas consumption, high seasonal space heating energy efficiency and low power consumption make the Logamax plus GB172i T50 an impressive partner for heating spaces, saving money and conserving resources.

Exceptionally versatile.

Its robust coiled tube design means that the Logamax plus GB172i T50 can also be used in applications with hard potable water. The space-saving integration of the cylinder in the housing allows it to be effortlessly installed in living areas. The integrated stainless steel po-table water pipelines are not only suitable as initial equipment but also for system modernisation. Its condensing technology, which has been tried and tested millions of times over, ensures high energy efficiency and a long service life in everyday use.



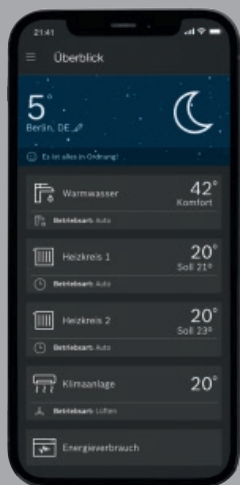
Logamax plus GB172i T50



**Logamatic BC400
system control unit**



**Logamatic RC310/HMC310
system operating unit**



Buderus MyBuderus app.
Complete control, even when on the move: temperature curve, settings and information.



Download the Buderus MyBuderus app on
www.buderus.lu

Everything efficiently controlled.

The Logamatic EMS plus control system intelligently regulates your Buderus heating system, ensuring all components interact perfectly. All of the information necessary for optimal operation is directed there from the heat generator, DHW cylinder, solar thermal system and the heated spaces themselves. The control system therefore always knows how much energy is currently required and adapts the heating system's output to actual demand.

Everything you need close to hand.

Our system control units are interfaces between people and technology. In addition to the well-known Logamatic RC310, they include the Logamatic BC400. Both are modern and elegant. The Logamatic RC310 has a monochrome display, and the Logamatic BC400 has a backlit 5-inch full touchscreen colour display. Both provide a clear overview of all of the relevant operating values in high resolution – from the operating times, temperature values, energy consumption, energy efficiency to the status of the DHW heating and residential ventilation system. For even more efficient and environmentally friendly heating.

How your heating system goes online.

The Buderus connectivity concept offers various networking possibilities, for example via the Internet with the Buderus apps or the Buderus ConnectPRO web portal. All Buderus heat generators with the Logamatic EMS plus control system can be combined in an interactive network – for improved service and exceptional heating comfort.

Connectivity across the board.

The heat generator's integrated Internet interface ensures a simple and secure Internet connection. If the heat generator does not yet have this, problem-free retrofitting with a radio module is possible.

The Buderus MyBuderus app.

Everything from a single source – with the Buderus MyBuderus app. With it, you have access to your heating system* anywhere and at any time, which not only saves unnecessary heating costs but also protects the environment at the same time.

Buderus ConnectPRO for professionals.

If you grant your installer access to your system, then they can use Buderus ConnectPRO to check any system faults remotely and, if necessary, make minor adjustments directly. They can also glean detailed information about the system and identify the spare parts needed on site.

*Only the conventional heat generator is currently considered as a hybrid system.

The System-Plus.

We are the system experts.
We impress our clients with
our perfectly synchronized
components. Our sustainable
system solutions are solid,
modular and connected –
and tailored to your individual
requirements.

Logamax plus GB172i

Logomatic BC400



Logatherm WLW196i AR S+



Hybrid box HYC25



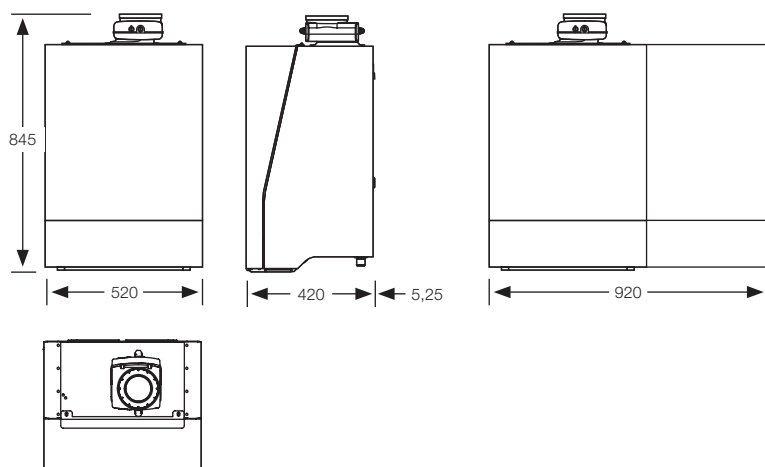
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The rating shows the energy efficiency
of the Buderus system, comprising the
Logamax plus GB172i.2-15 with the
Logomatic BC400 system control unit and
the Logatherm WLW196i AR S+ air to water
heat pump. The rating may vary depending
on the components or output.

Technical Data.

Logamax plus GB172i.2		GB172i.2-15	GB172i.2-20	GB172i.2-20K	GB172i.2-25	GB172i.2 T50
Front design colour		White				
Rated output, modulating at 80/60 °C	kW	2.2–15.0	3.0–19.5	3.0–19.5	3.0–23.8	3.0–22.0
Rated output, modulating at 50/30 °C	kW	2.5–15.8	3.4–20.8	3.4–20.8	3.4–25.3	3.4–23.5
Output	kW	15.0	19,5	24.6	23.8	30.0
Room heating energy efficiency class		A				
Range of energy efficiency classes for room heating		A+++ → D				
Room heating efficiency	%	94				
DHW energy efficiency class (XL)		-	-	A	-	A
Range of energy efficiency classes Domestic hot water		-	-	A+ → F	-	A+ → F
Domestic hot water efficiency		-	-	86	-	86
Standby electr. power consumption	W	4				2.2
Height	mm	780				900
Width	mm	440				600
Depth	mm	365				508
Weight	kg	45	45	47	47	72

The dimensions in the tables refer to the actual product dimensions.



Benefits at a glance:

- future-ready, hybrid-compatible and eligible for funding in a system
- H₂-ready for use with hydrogen blends of up to 20 %
- backwards-compatible and therefore simple to install and to replace parts
- good value and reduces energy costs
- perfect for renovations of apartments and single-family homes
- can be combined with outdoor unit for heat pumps, buffer cylinder no longer required
- intuitive operation with the new Logamatic BC400 system control unit
- improved modulation of 1 : 8

Heating systems with a future.

As experts for system solutions, we have been developing top-of-the-range products since 1731. Regardless of whether operation is renewables-based or conventional, our heating systems are solid, modular, connected – and everything is perfectly synchronized. This makes us pioneers in the field of heating technology. We place value on comprehensive yet individual advice and ensure tailor-made, sustainable solutions through the extensive service we offer.

For us as the Buderus brand, it is our responsibility and obligation to treat all people equally and fairly, to value them and to respect them. We always want to express this in the language that we use, and therefore hope that everyone, for every formulation, whether female, male or other, feels addressed equally.

Buderus

Buderus

Heating systems
with a future.

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Your installer: