

13 March 2023

## Cascade of up to 16 devices

### **New Buderus Logatherm WLW276 air/water heat pump for heating and cooling industrial buildings, commercial premises and public facilities**

The new Buderus Logatherm WLW276 reversible air/water heat pump for outdoor installation allows plant operators to heat or cool larger buildings and to heat domestic water. The heat pumps have an output range from 16 to 89 kW (A-7/W35). Up to 16 devices can be connected in a cascade and a combination with other heat generators to form a hybrid system is possible as well. The air/water heat pump can be used as a flexible system solution for new buildings as well as for modernising the heating system of existing buildings. Possible applications include production, workshop, warehouse or factory buildings, administrative buildings, schools and kindergartens or restaurants and hotels. Buderus will present the new highlight product at ISH 2023 in Frankfurt, Hall 12, Stand C80.

### **Refrigerant R32 with lower global warming potential**

The Logatherm WLW276 AR stands for efficient renewable heating, reliable domestic water heating and cooling of water-based systems. The refrigerant R32 used by Buderus has a much lower global warming potential (GWP) than the commonly used R410 A.

As a reversible solution, the Logatherm WLW276 is available across all output ratings. The air/water heat pump is marketed in four different versions: A Logatherm WLW276 with a single fan covers an output range between 16 and 24 kW. The chassis with two fans delivers between 31 and 41 kW, while the versions with three and four fans provide between 53 and 59 kW and between 75 and 89 kW, respectively (A-7/W35). Heating contractors can choose between four hydraulic variants: a Logatherm WLW276 with or without integrated pump, with integrated pump and integrated buffer storage tank or with integrated pump plus switching valve for domestic water heating. Besides the hydraulic variants, optional anti-corrosion protection for installation near the sea and in harsh industrial environments is also available.

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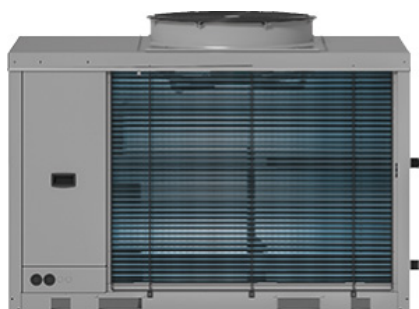
## **Flow temperature of up to 60 °C**

Heating in the large output range is one of the strengths of the new air/water heat pump. With its flow temperatures of up to 60 °C, it also meets the basic requirements in existing buildings – at outside temperatures as low as -20 °C. Thanks to full inverter technology, plant operators additionally benefit from high heating (SCOP of up to 4.4) and cooling efficiency. Another benefit for plant operators is that the air/water heat pump requires only 50 percent of the maximum starting current available. Four different modes make for flexible adjustment of the sound power level: Standard mode, Silence mode, Super Silence mode and Night Setback mode. This allows the sound power level to be lowered according to the requirements.

For commercial bivalent systems such as the combination of a heat pump and a gas boiler to cover peak loads, complete system control using the Logamatic 5000 is a recommendable option. The 7-inch touch display with high-resolution graphics allows convenient operation of the control unit. The menu view provides a clear overview of important system information such as data on the heat generator, heating circuits, hot water and sub-stations. The Logamatic 5311 control system permits communication via a 0-10V signal with set point selection or via Modbus RTU. The Commercial Control Center enables heating contractors to set system parameters also from a distance.

## **BACnet gateway for building automation**

The Logatherm WLW276 also features a BACnet gateway – an important option for connection to higher-level building management systems in the commercial sector. BACnet is the data communication protocol for building automation and control networks – a global ISO standard used especially in larger buildings. The BACnet data points provide the information required for implementation such as data type, unit or conversion factor. Buderus assists heating professionals in commissioning the BACnet gateway.



**Caption:**

The new Buderus Logatherm WLW276 air/water heat pump is available as a stand-alone unit in the output range from 16 to 89 kW (A-7/W35).



**Caption:**

Buderus offers different chassis with a maximum output of 89 kW. In addition, up to 16 Logatherm WLW276 can be connected in a cascade.

Source: Buderus

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## Search engine optimisation

- **Meta description**

The new Buderus Logatherm WLW276 air/water heat pump is suitable for heating and cooling new and existing industrial buildings, commercial premises and public facilities. The devices have an output range from 16 to 89 kW (A-7/W35).

Up to 16 heat pumps can be connected in a cascade and a combination with other heat generators to form a hybrid system is possible.

- **Tags/keywords**

Buderus; air/water heat pump; Logatherm WLW276; new buildings; modernisation; industrial; commercial

## **Social media / newsletter lead**

- **Newsletter lead**

The new Logatherm WLW276 air/water heat pump from systems expert Buderus is suitable for heating and cooling new and existing industrial buildings, commercial premises and public facilities. The devices have an output range from 16 to 89 kW (A-7/W35). Up to 16 heat pumps can be connected in a cascade and a combination with other heat generators to form a hybrid system is possible. With their high flow temperatures of up to 60 °C, they also meet the requirements in existing buildings – at outside temperatures as low as -20 °C.

- **Facebook**

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- **Twitter**

The new #Buderus #Logatherm WLW276 air/water heat pump in the 16 to 89 kW output range (A-7/W35) is suitable for large buildings. Up to 16 devices can be connected in a cascade and a combination with other heat generators to form a #hybridsystem is possible.

Buderus, one of Europe's strongest brands in the thermotechnology sector, is a provider of efficient and reliable system solutions for heating, ventilation and cooling. As a systems expert for heating and installation technology, Buderus is distinguished by its consulting expertise, integrated services and perfectly matched energy-efficient and connectable heating systems from a single source. The product portfolio covers everything from heat generators for liquid and gaseous energy sources to storage tanks, controls and heating accessories to a comprehensive range of renewable energy systems such as heat pumps and solar thermal systems.

All Buderus products offer maximum system compatibility, as all components are perfectly matched. This enables trade partners to install individual solutions quickly and efficiently, both in new and existing buildings, regardless of whether the system is large or small.

For more information, visit [www.buderus.de](http://www.buderus.de).

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