

1 Data information notice in accordance with Regulation (EU) 2023/2854 (EU Data Act) for connected products

Products:

- CS5000 AW
- CS5001 AW
- WLW 286
- WLW 286.2

Connected products and related services of Bosch Thermotechnik GmbH generate various data and information during their use. The following provides information about the data transferred and made available when using the product and related services, how to access this data, and your data rights.

2 Type, format, and estimated volume of product data

The following data may be generated during operation of the product.

The data generated varies depending on the specific use of the product.

Types of product data

- Physical data: Current data (e.g. temperature, pressure, power, energy).
- Device identification data (e.g. serial number, hardware and software version).
- Status data (e.g. on/off, present/not present).
- Error messages.
- Setting values / user configurations (e.g. room setpoint temperature, time programs).

Estimated volume

The amount of data varies depending on the type of data and the use of the Service, with data volumes per data point ranging from 1200 Baud to 19200 Baud.

Data format

The data is stored within the product in various data formats and, as part of a data export, is provided at least in the following data format:

- Modbus Register Data Points (UINT16, SINT16, Boolean)

Currentness of data

The data in the product is generated during use and operation in real time and continuously.

The Data is continuously updated over the Modbus RTU interface and can be accessed via the LWPM 410 extension that is available as accessory.

More than 100 variables are transmitted via this interface and can be read out individually or batched together to a higher-level bus system. An overview of all available data points is available.

3 Storage location and retention period

The product does not store product data.

The heat pump itself does not store product data for third-party access. It generates real-time consumption data (based on power values) for energy monitoring purposes. These transient consumption values are accessible via the Modbus RTU interface but are not permanently stored by the heat pump unit.

4 Access modalities

You can access the data generated and potentially stored within the product as follows:

Local interface:

- Data is accessible with the Modbus RTU RS485 port (H1 and H2 terminal). To access the available data points a connection towards a higher-level bus system is necessary.

Data access requires the use of:

The Accessory LWPM 410 is necessary to for the Data Access. The higher-level needs to have a Baudrate between 1200 and 19200, a RS485 interface with 2 * 0,5 mm² shielded cables (max. 50 m) and the following Modbus RTU parameters (8 Data Bits; Parity: None, Even, Odd; Stop Bits: 1,2). The Heatpump acts as a slave and supports the following function codes: 01(0x01) - Read Coils, 02(0x02) - Read Discrete Inputs, 03(0x03) - Read Holding Register, 04(0x04) - Read Input Register, 05(0x05) - Write Single Coils, 06(0x06) - Write Single Register. The pins of the extension module are assigned with 1 - GND, 2 - RX+/TX+ and 3 - RX-/TX-.



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