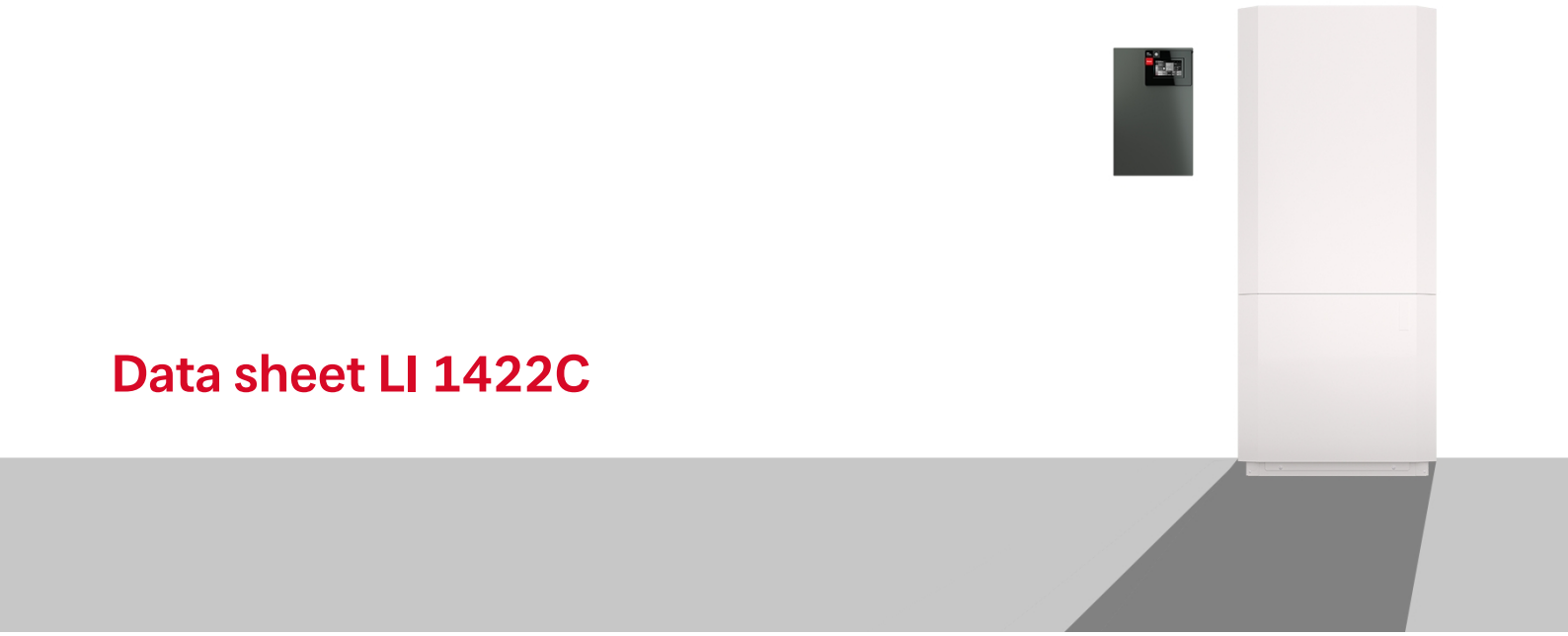

Data sheet LI 1422C

Air-to-water heat pump for indoor installation.

Installation location:
Max. flow temperature: 60 °C
Heat pump for heating and cooling with two performance levels for increased efficiency in partial load operation for indoor installation and wall-mounted heat pump manager WPM Touch with touch display.

Sound-optimised by electronically controlled fans
and an encapsulated compressor housing with free-swinging compressor baseplate for solid-borne sound insulation. High coefficients of performance (COP) through high-performance evaporator, electronic expansion valve and compliance with the requirements of EN 14511 for larger volume flows on the heat consumption side. High operational reliability through sensor monitoring of the refrigeration circuit with demand-based defrosting via reverse circulation and integrated thermal energy metering (display of the calculated quantity of thermal energy for heating, domestic hot water and swimming pool water preparation on the heat pump manager).
The specially designed basic construction enables it to be brought into the building with ease. The top evaporator unit can be separated from the bottom compressor unit for transport (extraction of the refrigerant by service required for a fee). Universal design with optional domestic hot water preparation and flexible expansion possibilities for:

- Bivalent or bivalent-renewable operating mode
- Unmixed and mixed heating and cooling circuit
- Room temperature control via Smart RTC (special accessory)
- Use of load-variable tariffs (SG Ready)

At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 56 °C. Silent cooling via panel heating/cooling systems requires the use of the room temperature controller with humidity sensor (RTM Econ) and a mixed

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heating circuit to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Flow and return sensor integrated; external sensor (standard NTC-2) in the scope of supply. Dirt trap and flow rate monitoring built in. Heat pump white textured (similar to RAL 9003). Heat pump manager anthracite grey textured (similar to RAL 7016).

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LI 1422C

Technical data

Dimplex Air-to-water heat pump for indoor installation. (Low temperature)	
Max. flow temperature	60 Grad
Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation)	-22 Grad / 35 Grad
Heat output A-7/W35 / COP A-7/W35 *	7,5 kW / 3,3
Heat output max. A-7/W35 / COP A-7/W35 *	13,9 kW / 3,1
Heat output A2/W35 / COP A2/W35 *	9,4 kW / 4,1
Heat output max. A2/W35 / COP A2/W35 *	15,9 kW / 3,7
Heat output A7/W35 / COP A7/W35 *	11,7 kW / 5,0
Heat output max. A7/W35 / COP A-7/W35 *	20,9 kW / 3,1
Nominal power consumption according to EN 14511 at A2/W35	4,7 kW
Sound power level	53 dB(A)
Refrigerant / Amount of refrigerant	R410A / 5,4 kg
Max. heating water flow rate / Pressure drop	1,95 m3 pro h / 12900 Pa
Heat source flow (min.)	4000 m3 pro h
Width x Height x Depth **	750 x 1770 x 1000 mm
Weight	303 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current	19 A
Type of defrosting	Reverse circulation

**Please note that additional space is required for pipe connections, operation and maintenance.

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LI 1422C

Description	Order ref.	Article number	Sample item	Item

* Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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