

# LIA 1316HXCF M

## Data sheet



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### Reversible air-to-water heat pump in split design.

Flexible expansion options for bivalent or bivalent-renewable operating mode. With a flexible control range, the heating and domestic hot water output can be adapted to the actual heat consumption. Electronically regulated pump, 100 l buffer tank and overflow valve to guarantee the required heating water flow rate Dirt trap and flow rate switch built in. Condensate tray heating built-in as standard with LAW 14ITR. For LAW 9IMR available as a accessory (KWH 60). Heat pump system for heating and cooling with inverter control and integrated heat pump manager WPM Econ5Plus with standard display, The hydraulic unit (indoors) and outdoor unit, which are connected via a refrigerant pipe (special accessory). The outdoor unit with output-controlled compressor (inverter) adapts the heat output to the heat consumption of the building and can be installed close to the wall. Sound-optimised through electronically controlled fan. The optional cooling can take place via fan convectors or panel heating systems. For silent cooling via panel heating systems (e.g. underfloor heating), an intelligent room temperature controller, Smart-RTC, with humidity measurement (special accessory) is required to determine the dew point. The electrical connection between the control to be mounted in the building and the outdoor unit takes place via a shielded 2-wire data cable (e.g. LiYY, cross-section 0.6 mm<sup>2</sup>) not included in the scope of supply. Safety valve incl. connection for an expansion vessel Switchable pipe heater (2/4/6 kW) for support for space heating Domestic hot water cylinder 300 l with 3.2 m<sup>2</sup> tube heat exchanger and 1.5 kW flange heater for thermal disinfection The following components are mounted in a space-saving way and wired ready to use: Heating circuit circulating pump free compression 38800 Pa at a heating water flow rate of 1.6 m<sup>3</sup>/h. Energy efficiency EEI ≤ 0.20. Integrated flow and return sensors, external sensor (standard NTC-2) and pressure gauge included in the scope of supply.



### Technical Data

Order reference	LIA 1316HXCF M
Energy efficiency class with 35 °C flow temperature	A+++
Energy efficiency class with 55 °C flow temperature	A++
Seasonal room heating energy efficiency (high temperature)	136
Seasonal space heating energy efficiency in average climate conditions (NT)	186
Connection voltage	1/N/PE ~230 V, 50 Hz
Dimensions (W x H x D)**	865 x 1118 x 523 mm
Weight	111 kg

\* Heating and cooling capacity and coefficients of performance (COP/EER) in accordance with EN 14511

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

\*\*\* The fuse protection must be designed as an all-pole disconnecting device (common disconnection of all phases)!



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## System accessories



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Heat pump air split					
Reversible air-to-water heat pump in split design.	LIA 1316HXCF M	380100	1		

\* Additional specific accessories available/required

### Important notice

The combination of components and the specified quantities represent a non-binding example system that must be reviewed and, if necessary, adjusted individually. The pumpsizing needs to be checked according to the system's pressure loss and the minimum heating water flow rate of the heat pump.



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