Data sheet LIA 0608BWCF M

Reversible air-to-water heat pump in split design incl. domestic hot water preparation.

Installation location:
Max. flow temperature: 65 °C
Heat pump system for heating and cooling with inverter control and integrated WPM Touch heat pump manager with touch display. The hydraulic unit (indoors) and the outdoor unit are connected via a refrigerant line (special accessory). For line lengths over 15 m, additional refrigerant must be added during commissioning. The maximum line length is 30 m. The outdoor unit with output-controlled compressor (inverter) adapts the heat output to the heating consumption of the building or the domestic hot water request 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 system (e.g. underfloor heating), an intelligent room temperature controller, Smart-RTC, with humidity measurement (special accessory) is required to determine the dew point. The following components are mounted in a space-saving way and wired ready to use:

- Switchable pipe heater (2/4/6 kW) for support for space heating
- Domestic hot water cylinder 300 l with 3.2 m² tube heat exchanger and 1.5 kW flange heater for thermal disinfection
- Electronically regulated pump, 100 l buffer tank and overflow valve to guarantee the required heating water flow rate
- Safety valve incl. connection for an expansion vessel

Flexible expansion options for the combination of mixed and unmixed heating circuits, as well as bivalent or bivalent-renewable operation. A condensate tray is integrated as standard. 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 2x0.6 mm2 or J-Y(ST)Y..LG2x2x0.8 mm2) not included in the scope of supply. Flow and return sensor, dirt trap and flow rate sensor are integrated. Flow and return sensor, dirt trap and flow rate sensor are integrated.

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Technical data

Dimplex Reversible air-to-water heat pump in split design incl. domestic hot water preparation. (Medium temperature)	
Max. flow temperature	65 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 *	6,21 kW / 2,86
Heat output max. A-7/W35 / COP A-7/W35 *	6,21 kW / 2,86
Heat output A2/W35 / COP A2/W35 *	1,9 kW / 3,95
Heat output max. A2/W35 *	5,5 kW
Heat output A7/W35 / COP A7/W35 *	6,2 kW / 5,00
COP A-7/W35 *	2,86
Heat output A10/W35 / COP A10/W35 *	7,35 kW / 5,02
Sound power level	58 dB(A)
Sound pressure level in 10 m	30 dB(A)
Refrigerant / Amount of refrigerant	R32 / 1,5 kg
Width x Height x Depth **	1008 x 712 x 426 mm
Weight	65,5 kg
Rated voltage	1/N/PE ~230 V, 50 Hz
Starting current	5 A
Type of defrosting	Reverse circulation

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

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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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