

## Data sheet LIA 0911HWCF M



### System S Compact heat pump LIA 0911HWCF M

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:

- Built-in pipe heater (2 / 4 / 6 kW) can be used for reheating domestic hot water up to 60 °C and as a stand-by for heating operation
- Domestic hot water cylinder 200 l
- Electronically regulated heat circulating pump (observe the free compression)
- Safety valve incl. 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 mm<sup>2</sup> or J-Y(ST)Y..LG2x2x0.8 mm<sup>2</sup>) not included in the scope of supply. Flow and return sensor, dirt trap and flow rate sensor are integrated.

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## Technical data

### Dimplex System S Compact heat pump LIA 0911HWCF M (Medium temperature)

|   |                      |
|---|----------------------|
| Max. flow temperature   | 65 Grad              |
| Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation) | -25 Grad / 35 Grad   |
| Heat output A-7/W35 / COP A-7/W35 *   | 8,31 kW / 3,11       |
| Heat output max. A-7/W35 / COP A-7/W35 *  | 8,31 kW / 3,11       |
| Heat output A2/W35 / COP A2/W35 *   | 8,2 kW / 4,05        |
| Heat output A7/W35 / COP A7/W35 *   | 10,0 kW / 5,00       |
| COP A-7/W35 *   | 3,11                 |
| Heat output A10/W35 / COP A10/W35 *   | 10,0 kW / 5,13       |
| Sound power level   | 60 dB(A)             |
| Sound pressure level in 10 m  | 32 dB(A)             |
| Refrigerant / Amount of refrigerant   | R32 / 1,65 kg        |
| Width x Height x Depth **   | 1118 x 865 x 523 mm  |
| Weight  | 89,0 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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