



Data sheet LA 1118CP

Reversible air-to-water heat pump for outdoor installation.

Installation location:

Max. flow temperature: 65 °C

Heat pump for heating and cooling with inverter control for outdoor installation with wall-mounted WPM Touch heat pump manager with touch display. Sound-optimised through flow-optimised air circuit with encapsulated compressor housing, axial fan for low natural sounding noise and free-swinging compressor baseplate for solid-borne sound insulation. High coefficient of performance (COP) due to high performance evaporator, electronic expansion valve, EC fan for adjustment of air volume flow, self-optimising output control and natural refrigerant R290. Maximum operational safety due to sensor monitoring of refrigerant circuit with self-optimising defrosting, the sophisticated safety concept with minimal distances (1 metre) for use of the natural refrigerant R290 provides additional safety. The integrated flow rate sensor and thermal energy metering for displaying the calculated quantity of thermal energy for heating and domestic hot water preparation on the heat pump manager round off the operational safety package. Quick and easy installation thanks to installation close to walls with a minimum distance of 0.3 m to the wall on the intake side, a casing concept optimised for outdoor installation and the option of connecting the heat pump from underneath and behind. Universal design with flexible expansion options 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)
- Side parts and cover anthracite grey textured (similar to RAL 7016), front panels grey aluminium textured (similar to RAL 9007).

At an outside temperature of -10



Glen Dimplex Thermal Solutions T: + 49 9221 709-100
(Glen Dimplex Deutschland GmbH) F: + 49 9221 709-339
Am Goldenen Feld 18 dimplex@dimplex.de
D-95326 Kulmbach www.dimplex.de

Glen Dimplex Austria GmbH
Hauptstraße 71
A-5302 Henndorf am Wallersee

T: + 43 6214 20330
F: + 43 6214 203304
info@dimplex.at
www.dimplex.at

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°C, the maximum flow temperature that can be achieved is 65 °C. Silent cooling via panel heating/cooling systems requires the use of the room temperature controller with humidity sensor (RTM Econ) and a mixed heating circuit to regulate the flow temperature on the basis of the air temperature and humidity of a reference room. Dirt trap and sensor flow rate measurement integrated to safeguard the minimum heating water flow rate. Flow and return sensor integrated; external sensor (standard NTC-2) in the scope of supply. 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 mm²) not included in the scope of supply.



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Technical data

Dimplex Reversible air-to-water heat pump for outdoor installation. (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 *	11,2 kW / 2,9
Heat output max. A-7/W35 *	11,15 kW
Heat output A2/W35 / COP A2/W35 *	5,6 kW / 4,3
Heat output max. A2/W35 *	9,45 kW
Heat output A7/W35 / COP A7/W35 *	5,4 kW / 5,6
Nominal power consumption according to EN 14511 at A2/W35	1,03 kW
Sound power level	49 dB(A)
Refrigerant / Amount of refrigerant	R290 / 1,3 kg
Max. heating water flow rate / Pressure drop	1,8 m3 pro h
Heat source flow (min.)	1700 m3 pro h
Width x Height x Depth **	1418 x 1107 x 598 mm
Weight	270 kg
Rated voltage	3/N/PE ~400 V, 50 Hz

**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
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* 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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