



Data sheet LA 3860

Standard integration diagram air-to-water heat pump for outdoor installation

Installation location:

Max. flow temperature: 60 °C

Casing colour: White aluminium (similar to RAL 9006)

Anthracite (DB 703)

Heat pump for heating purposes with two performance levels for increased efficiency in partial load operation for outdoor 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 and compliance with the requirements of EN 14511 for larger volume flows on the heat consumption side. High operational safety through sensor monitoring of the refrigeration circuit with demand-based defrosting; integrated thermal energy metering (display of the calculated quantity of thermal energy for heating and domestic hot water preparation on the heat pump manager). Access for service work on the outlet side; the minimum clearances must be observed for installation close to walls. Can be easily transported with a lift truck (accessible from underneath) or lifting lugs. Universal design with flexible expansion options for:

- Bivalent or bivalent-renewable operating mode
- Unmixed and mixed heating and cooling circuit
- Use of load-variable tariffs (SG Ready)

At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 58 °C. Flow and return sensor integrated; external sensor (standard NTC-2) in the scope of supply. Dirt trap and flow rate switch built in. Top part anthracite grey textured (similar to RAL 7016), bottom part grey aluminium textured (similar to RAL 9007).

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Technical data

Dimplex Standard integration diagram air-to-water heat pump for outdoor installation (Low temperature)

Max. flow temperature	60 Grad
Lower operating limit heat source (heating operation) / Upper operating limit heat source (heating operation)	-22 Grad / 40 Grad
Heat output A-7/W35 / COP A-7/W35 *	22,2 kW / 3,2
Heat output max. A-7/W35 / COP A-7/W35 *	38,0 kW / 3,0
Heat output A2/W35 / COP A2/W35 *	26,6 kW / 3,6
Heat output max. A2/W35 / COP A2/W35 *	43,4 kW / 3,4
Heat output A7/W35 / COP A7/W35 *	35,3 kW / 4,5
Heat output max. A7/W35 COP A-7/W35 *	3,0
Nominal power consumption A7/W35	7,8 kW
Sound power level	78 dB(A)
Sound pressure level in 10 m	46 dB(A)
Refrigerant / Amount of refrigerant	R407C / 15,7 kg
Max. heating water flow rate / Pressure drop	6,0 m3 pro h / 18000 Pa
Heat source flow (min.)	0 m3 pro h
Width x Height x Depth **	1900 x 2300 x 1060 mm
Weight	870 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current	60 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
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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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