



Data sheet LA 60P-TUR

Reversible high-efficiency air-to-water heat pump

Installation location:

Max. flow temperature: 64 °C

Heat pump for heating and cooling purposes for outdoor installation with wall-mounted heat pump manager WPM Touch with touch display and two compressors for two-stage output reduction in partial load operation.

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, natural refrigerant R290 and compliance with the requirements of EN 14511 for larger volume flows on the heat consumption side. Optimised heating and cooling operation via an external four-way reversing valve which is activated by the controller (special accessory). 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. The operation by the operator takes place via a radically simplified operating concept in a modern tile look. The installer is guided to the optimal setting step-by-step by the innovative EasyOn concept. 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

At an external temperature of -10 °C, the maximum flow temperature that can be achieved is 58 °C.

Silent

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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. Flow and return sensor integrated; external sensor (standard NTC-2) in the scope of supply. Dirt trap and flow rate switch built in.

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Technical data

Dimplex Reversible high-efficiency air-to-water heat pump (Medium temperature)

Max. flow temperature	64 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 *	22,9 kW / 3,4
Heat output max. A-7/W35 / COP A-7/W35 *	42,1 kW / 3,1
Heat output A2/W35 / COP A2/W35 *	25,7 kW / 3,9
Heat output max. A2/W35 / COP A2/W35 *	44,6 kW / 3,6
Heat output A7/W35 / COP A7/W35 *	33,3 kW / 4,9
COP A-7/W35 *	3,1
Nominal power consumption A7/W35	6,8 kW
Sound power level	74 dB(A)
Sound pressure level in 10 m	46 dB(A)
Refrigerant / Amount of refrigerant	R290 / 7,6 kg
Max. heating water flow rate / Pressure drop	5,8 m3 pro h / 8400 Pa
Width x Height x Depth **	1900 x 2300 x 1190 mm
Weight	910 kg
Rated voltage	3/N/PE ~400 V, 50 Hz
Starting current	78 A
Fuse protection HP with separate infeed ***	C 50 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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