



Data sheet LA 33TPR

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

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 output reduction in partial load operation. Sound-optimised through flow-optimised, tapering casing with encapsulated compressor housing, axial fan for low natural sounding noise and free-swinging compressor baseplate for solid-borne sound insulation. High coefficients of performance (COP) through high-performance evaporator, EC fan for COP-optimised adaptation of the air volume flow and natural refrigerant R290. FWO function for more efficient domestic hot water preparation with increased domestic hot water temperatures and volumes of water to be drawn through optimised tank charging.

High operational reliability through sensor monitoring of the refrigeration circuit with demand-based defrosting via reverse circulation and integrated thermal energy metering (display of the calculated quantity of thermal energy for heating, domestic hot water and swimming pool water preparation on the heat pump manager).

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.

Universal design with optional domestic hot water preparation and flexible expansion possibilities for:

- Bivalent or bivalent-renewable operating mode
- Distribution systems with unmixed and mixed heating circuits
- 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



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sensor (standard NTC-2) in the scope of supply. Dirt trap and flow rate switch built in. 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 | 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 * | 11,0 kW / 3,4 |
| Heat output max. A-7/W35 / COP A-7/W35 * | 19,9 kW / 3,1 |
| Heat output A2/W35 / COP A2/W35 * | 13,3 kW / 4,0 |
| Heat output max. A2/W35 / COP A2/W35 * | 22,2 kW / 3,7 |
| Heat output A7/W35 / COP A7/W35 * | 16,2 kW / 4,9 |
| COP A-7/W35 * | 3,1 |
| Heat output A10/W35 / COP A10/W35 * | 17,3 kW / 5,2 |
| Nominal power consumption A7/W35 | 3,2 kW |
| Sound power level | 63 dB(A) |
| Sound pressure level in 10 m | 37 dB(A) |
| Refrigerant / Amount of refrigerant | R290 / 2,5 kg |
| Max. heating water flow rate / Pressure drop | 2,8 m3 pro h / 15900 Pa |
| Width x Height x Depth ** | 1065 x 1815 x 775 mm |
| Weight | 333 kg |
| Rated voltage | 3/PE ~400 V, 50 Hz |
| Starting current | 29 A |
| Fuse protection HP with separate infeed *** | C 25 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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