



## Air-to-water heat pump for outdoor installation

### Proven technology in a new design

#### Heat source installation costs

A heat pump enables the environmentally friendly and economic heating of buildings. The installation work involved is largely dependent on the heat source to be used. The installation of ground and ground water heat sources is significantly more complex. This requires ground drilling on the property, which can only be carried out by specialist companies. In addition to the costs incurred by such work, the impact on the building's surroundings (e.g. garden) also needs to be taken into account.

#### The easy-to-use heat source

Air-to-water heat pumps use the outside air as a heat source, and should therefore ideally be installed out in the open. This enables direct use of environmental heat, and the installation work required is significantly reduced. The connection to the building's heating system requires the laying of two heat-insulated pipes for flow and return, as well as the electrical connection lines in the ground. This means that very little space is required inside the building for a hot water buffer tank and a buffer tank connected in series.



LA 11TAS for outdoor installation

### Air-to-water heat pumps for outdoor installation

- ✓ For use in new buildings and for building renovations
- ✓ High flow temperatures of up to 58°C, even at outside temperatures of -20°C
- ✓ Quiet due to use of a low-noise "owl's wing" ventilator
- ✓ Proven technology for cold climate regions with optimal cost effectiveness
- ✓ High coefficients of performance, even at low external temperatures

### Intelligent regulation with the heat pump manager

The heat pump manager monitors the operation of the heat pump and offers all the functions of a modern heating regulation system, such as a remote diagnostics system, time programs and plain text display. The heat requirements for heating, hot water or swimming pool supply are also managed on an optimised energy basis.

Dynamic menus hide any settings not required for safe and easy operation. When a heat pump is combined with other heat generators, the heat pump manager regulates the entire system.

### Device information - air-to-water heat pumps for outdoor installation

Order reference		LA 11TAS	LA 16TAS
Design		universal	universal
Connection voltage	V	400	400
Maximum flow temperature	°C	58	58
Heat output/coefficient of performance according to EN 14511 at A2/W35	kW / --	8,6 / 3,4	11,7 / 3,2
Heat output/coefficient of performance according to EN 14511 at A7/W35	kW / --	10,1 / 4,0	14,6 / 3,7
Width x Height x Depth	mm	852 x 1340 x 1050	852 x 1550 x 1074

### "Up-to-date" both inside and out

The design of the air-to-water heat pumps without deflector hoods combines a suitable design with the requirements of modern technology without losing sight of proven solutions. The machines were developed on the basis of the LA ... AS series, which has been used successfully for years. Therefore it was time for technical reworking. Thus the machines now also have modern "owl's wing" ventilators, which ensure quiet operation. At the same time, the coefficients of performance have improved due to the use of new, more efficient components.



INNOVATIVE HEATING AND COOLING

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