

The new air-to-water heat pump
for outdoor installation.

**Minimal
footprint.**
Maximum
performance.



Excellent efficiency values.

LA 35TBS for buildings up to 35 kW heat consumption.

- + Demand-led control through multi-stage power control.
- + Quiet operation through intelligent casing design and optional weather protection cover for the air outlet side.
- + Comfortable operation via the wall-mounted controller with touch display.
- + At $-10\text{ }^{\circ}\text{C}$ outside air temperature a maximum flow temperature of $55\text{ }^{\circ}\text{C}$.

**The perfect solution for renovations or new builds
of apartment blocks with minimal outside space.**

NEW.

Perfect for renovations and new builds. Perfect for saving energy.

LA 35TBS – the flexible heat pump in monoblock design for outdoor installation fulfils the legal requirements regarding sound and efficiency. Perfect for any building project, whether new builds or existing buildings.

With 35 kW building heat output, this air-to-water heat pump for outdoor installation is ideal for heating and rapid domestic hot water preparation. With a flow temperature of 64 °C, an increased hot water demand can also be covered. The heat pump is therefore ideally suited for apartment buildings in new construction and renovation, with a living area of up to 750 m². The following also applies here: Flexible expansion options and compact design are included.

Your advantages with the LA 35TBS:

- 1 Compact with high performance class.**
With a footprint of just 77.5 x 106.5 cm, its space-saving design rivals any other heat pump. And this is combined with maximum heat output. The ideal solution for buildings with minimal outdoor space.
- 2 Intelligent design and extremely quiet.**
The flow-optimized casing effectively reduces low frequencies that can be unpleasant. The matching weather protection cover provides increased sound reduction and operational reliability. Great side-effect: protection from strong wind loads or weather influences.
- 3 Comfortable operation.**
The outdoor unit is operated comfortably and easily via the colour touch display on the wall-mounted controller. It can be mounted in any heated cellar or utility room. Optional connection to building management systems for monitoring the system operation is possible.
- 4 Efficient and demand-based.**
Demand-led control through multi-stage power control. This means that the building is heated with reduced output during the transitional period and with full output only when temperatures drop below zero.

Extremely compact footprint:

just 0,82 m²

for heating large apartment buildings.
No other model is smaller
and more compact.

State

subsidies available.

Due to high CO₂ savings
compared to fossil-fuel heat generators.
In existing buildings.*

*Information applies for Germany. Individual regulations must be taken into account depending on the country-specific laws and the application.

Air-to-water heat pump in monoblock design.

LA 35TBS.

Compact outdoor unit.

- + Extremely quiet operation via innovative speed-regulated fan and sound-optimised compressor room.
- + High operational reliability thanks to monitored condensate drain with energy efficient condensate tray heating and safety equipment in the refrigeration circuit.
- + LA 35TBS achieves the energy efficiency class A++ in a low-temperature application.
- + Easy connection to the wall-mounted controller via bus system.

Integrated components:

- + Two compressors in the refrigeration circuit.
- + Liquefier/plate heat exchanger.
- + Evaporator.
- + Expansion valve.
- + Dirt trap, flow and pressure sensor.



Sound and flow-optimized casing.

- + Efficiently reduces unpleasant frequencies.
- + Protection from front wind loads or weather influences via weather protection cover.
- + Demand-optimized defrost management for increased efficiency.

Wall-mounted controller with touch display.

- + Can be installed anywhere.
- + Comfortable and easy to operate.



Model name / Performance level	LA 35TBS Air-to-water heat pump.
Article number	378460
Order reference	LA 35TBS
Energy efficiency class low / middle temperature*	A++ / A++
Max. heating water temperature	+ 60 °C + / - 2 °C (1 compressor up to 64 °C)
Operating limits for heat source / air (heating operation)	- 22 °C to + 35 °C
Outdoor unit: Dimensions (W x H x D)	1,070 x 1,815 x 765 mm
Wall-mounted controller: Dimensions (W x H x D)	299 x 480 x 136 mm
Sound power level, outside (normal operation / reduced)	61 / 58 dB (A)
Sound pressure level at 10 m distance, air outlet side (normal operation / reduced operation)	34 / 31 dB (A)
Connection voltage	3 / N / PE ~ 400 V (50 Hz)
Heat output A7 / W 35 / COP	1 compressor: 17.6 kW / 4.33 2 compressors: - / -
Heat output A2 / W 35 / COP	1 compressor: 14.1 kW / 3.65 2 compressors: 23.7 kW / 3.35
Heat output A-7 / W 35 / COP	1 compressor: 12.5 kW / 3.33 2 compressors: 22.3 kW / 3.1
Flexible extension options:	
2nd heating circuit	Accessories
Domestic hot water	Accessories
Bivalent / renewable	Accessories

The values provided are preliminary data, which may still change before the start of series production!

* In a range from A+++ to D.

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