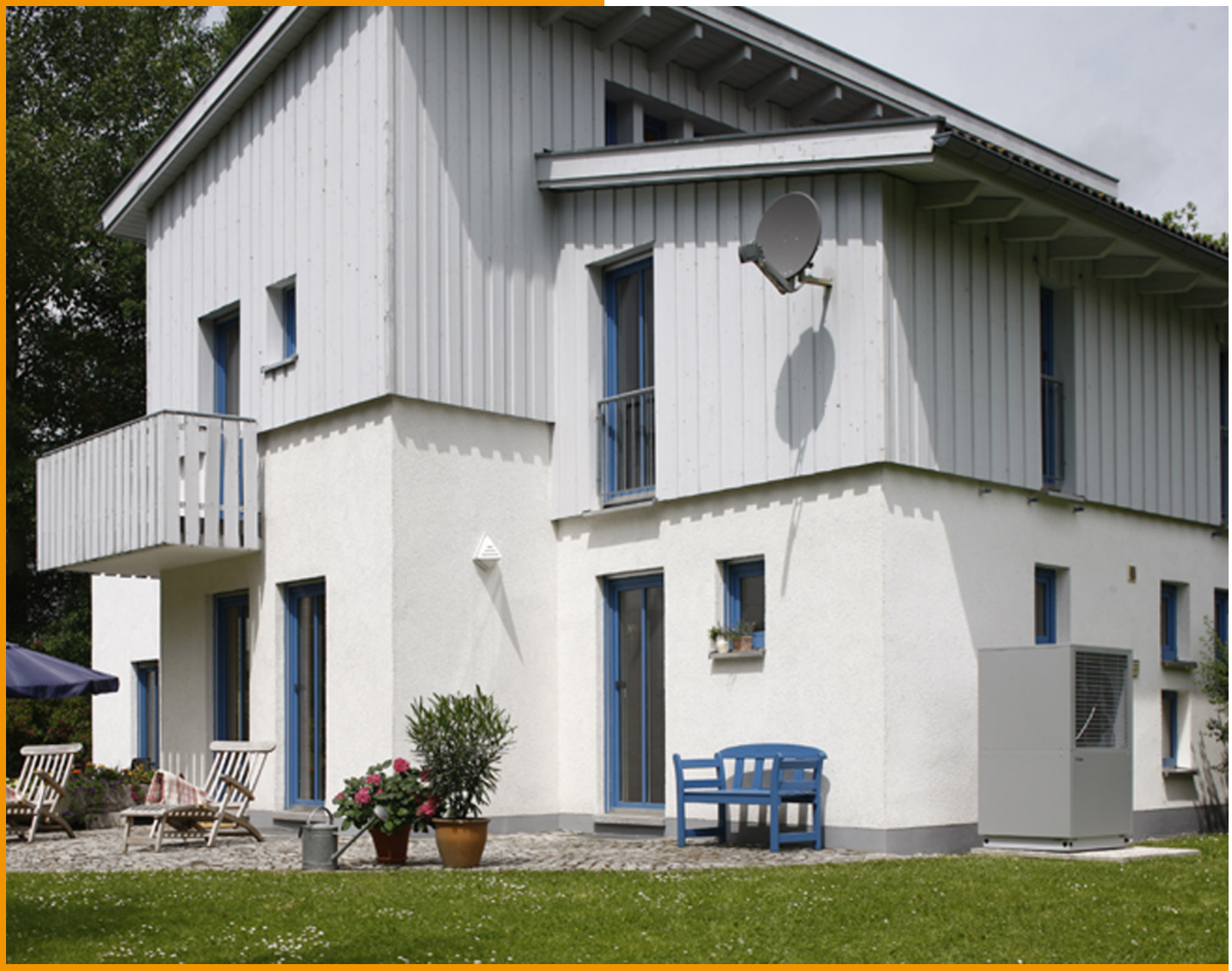

High-efficiency air-to-water heat pumps

High performance without noise

High efficiency with minimal installation effort

Air-to-water heat pumps feature the convincing advantage of requiring both minimal space and minimal installation effort - especially when installed outdoors.

In comparison, brine-to-water heat pumps, which use energy from the ground, are much more difficult to connect to the heat source. Until now, the superior energy efficiency of brine-to-water heat pumps justified the complex installation associated with them.

Air-to-water heat pumps in universal design

Very high coefficients of performance, minimal installation effort and unbelievably quiet operation - all
this makes the LA-TU series stand out from the rest.

This means that, even in existing renovated buildings with conventional radiators, good seasonal performance factors can be achieved. Maximum flow temperatures of 55 °C and thus high heat outputs can be reached, even at external air temperatures as low as -25 °C. The installation location can be selected quite flexibly, since the hydraulic connections can be laid either on the side or the bottom of the housing as desired.

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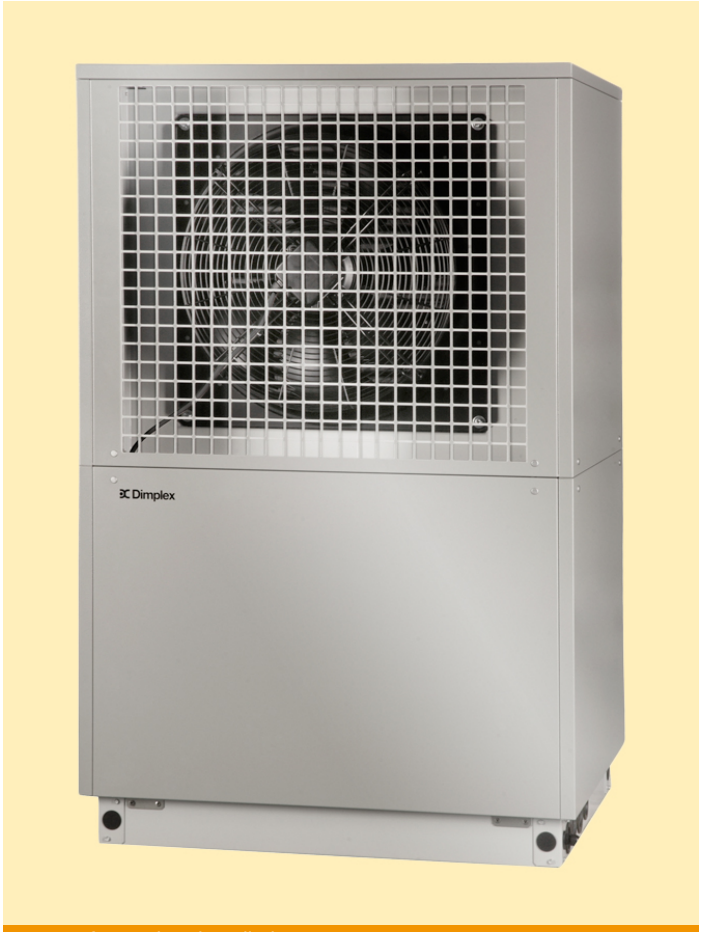
INNOVATIVE HEATING AND COOLING



LA 9TU for outdoor installation

High-efficiency air-to-water heat pump

- ✔ For use in new buildings and for building renovations, even at outside temperatures as low as -25 °C thanks to high flow temperatures of 55 °C.
- ✔ Extremely quiet operation thanks to bionically formed "owls wing" ventilator blades and a highly sound-proofed compressor housing.
- ✔ Low operating costs thanks to high seasonal performance factors.
- ✔ In cases of installation close to a wall in buildings which do not have a cellar, the pipework can be guided directly inside.
- ✔ Integrated thermal energy meter for heating and domestic hot water.

Heat pump manager WPM EconPlus

The highly efficient LA-TU series features the EconPlus heat pump manager with an integrated thermal energy meter for heating and domestic hot water preparation. The Econ Plus controller also monitors the heat pump's operation and provides all of the functions of a modern heating regulation system, such as connection to a building management technology system and timing programmes for heating and domestic hot water preparation. When a heat pump is combined with other heat generators (boiler, solar), the heat pump manager regulates the entire system.

High-efficiency air-to-water heat pumps - device information

Order reference		LA 9TU	LA 12TU
Design		universal	universal
Connection voltage	V	400	400
Maximum flow temperature	°C	58	58
Heat output/COP according to EN 14511 at A2/W35	1. Comp.	7,5 kW / 3,6	9,8 kW / 3,7
Heat output/coefficient of performance according to EN 14511 at A7/W35	1. Comp.	9,2 kW / 4,2	11,6 kW / 4,3
Width x Height x Depth	mm	910 x 1460 x 750	1250 x 1810 x 750

Integrated thermal energy meter

The thermal energy meter is already integrated into the devices in this series. The thermal energy volumes generated by the heat pump for heating and domestic hot water preparation are measured by integrated sensors and shown on the display of the heat pump manager. The individual seasonal performance factor of the heat pump can be calculated from the energy consumption. The correct hydraulic connection of the heat pump is essential for achieving optimum seasonal performance factors. Optimised integration diagrams are available at www.dimplex.de/nc/en/professional/online-planner/hydraulic-integrations.html.

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