

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

**For high  
demands.**

And large  
spaces.



**Perfectly designed heating and cooling systems for large-scale projects.**

**LA 60S-TU(R) for buildings with up to 60 kW heat consumption.**

- + High-efficiency heating, cooling and domestic hot water preparation.
- + Low operating costs thanks to high seasonal performance factors.
- + Efficient thanks to demand-based control.
- + Can be connected to a higher-level building management system.

**The ideal solution for residential buildings  
and commercial use.**

**NEW.**

# For heating and cooling requirements. On a large scale.

LA 60S-TU(R) is ideal for building heat consumption up to 60 kW and is perfect for large projects, such as apartment buildings or office buildings. It is perfectly suited for heating and cooling in both new builds and existing buildings, as well as for providing process heat in commercial and industrial use. Highly efficient, reversible, with two compressors that always work in a demand-based and cost-optimised way. Also available as LA 60 S-TU for heating and domestic hot water preparation.

## Your advantages with the LA 60S-TU(R):

- 1 Reliably future-proof.**

The R407C refrigerant used has a low GWP value of 1,774, meaning it is future-proof and fulfils the current specifications of the F-Gas Regulation.
- 2 Optimal efficiency values.**

A COP of up to 4.5 is achieved during heating – resulting in high seasonal performance factors too. With high flow temperatures up to 62 °C. The result: More energy efficiency and lower operating costs.
- 3 More control.**

The integrated thermal energy meter reliably measures the system efficiency.
- 4 Flexible use.**

Can be combined perfectly with pre-configured hydraulics and other applications. To cover high outputs, parallel connection with up to four additional devices is possible.

Simple connection to the

# Building management system.



State

# subsidies available.

Due to high CO<sub>2</sub> savings compared to fossil-fuel heat generators. In existing and new buildings.\*

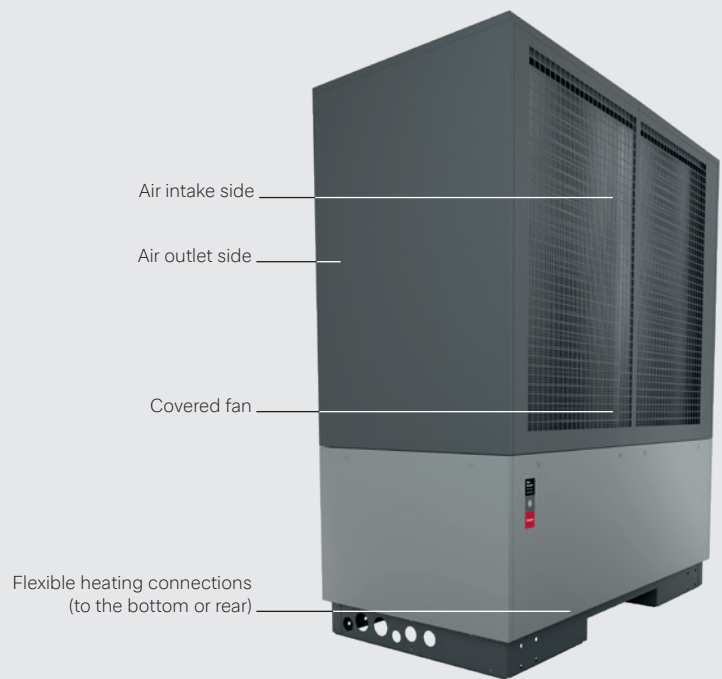
\*Information applies for Germany. Individual regulations must be taken into account depending on the country-specific laws and the application.

# Reversible Air-to-water heat pump in monoblock design.

---

## LA 60S-TU(R).

---



### High-performance outdoor unit.

- + Quiet thanks to speed-regulated fans and sound-optimised compressor room.
- + Energy efficiency class A++.
- + Discreet positioning, e.g. on the roof of buildings.
- + Flexible installation options, without having to observe additional safety regulations.
- + Equipped with two performance levels for high coefficients of performance (COPs) in both full-load and partial load operation.
- + Bus line for connection between the heat pump and heat pump manager.

### Integrated components:

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



<b>Model name / Performance level</b>	<b>LA 60S-TU Air-to-water heat pump.</b>	<b>LA 60S-TUR Air-to-water heat pump.</b>
Article number	378450	374620
Order reference	LA 60S-TU	LA 60S-TUR
Energy efficiency class low / middle temperature*	A++ / A++	A++ / A++
Max. heating water temperature	up to 62 °C – 2 / from 22 °C water inlet	up to 62 °C – 2 / from 22 °C water inlet
Operating limits for heat source / air (heating operation)	– 22 °C to + 40 °C	– 22 °C to + 40 °C
Operating limits for heat source / air (cooling operation)	–	+ 10° C to + 45° C
Sound power level outside (normal / reduced operation)	72 / 66 dB (A)	72 / 66 dB (A)
Sound pressure level outside at 10 m distance (Normal operation / reduced operation)	44 / 38 dB (A)	44 / 38 dB (A)
Heat pump connection voltage	3 / N / PE ~400 V (50Hz)	3 / N / PE ~400 V (50Hz)
Starting current	60 A	60 A
Fusing	C 50 A	C 50 A
Heat output A7 / W 35 / COP	1 compressor: 35.3 kW / 4.5 2 compressors: - / -	1 compressor: 35.3 kW / 4.5 2 compressors: - / -
Heat output A2 / W 35 / COP	1 compressor: 26.6 kW / 3.6 2 compressors: 43.4 kW / 3.4	1 compressor: 26.6 kW / 3.6 2 compressors: 43.4 kW / 3.4
Heat output A-7 / W 35 / COP	1 compressor: 22.2 kW / 3.2 2 compressors: 38.0 kW / 3.0	1 compressor: 22.2 kW / 3.2 2 compressors: 38.0 kW / 3.0
Cooling capacity A35 / W18 / EER	–	1 compressor: 33.4 kW / 3.2 2 compressors: 63.3 kW / 2.8
Refrigerant / refrigerant fill quantity	R407C / 15.7 kg	R407C / 15.7 kg
Outdoor unit: Dimensions (W x H x D)**	1,900 x 2,300 x 1,000 mm	1,900 x 2,300 x 1,000 mm
Weight	870 kg	870 kg
Casing colour	2-colour, Grey aluminium (similar to RAL 9007) Anthracite grey (similar to RAL 7016)	2-colour, Grey aluminium (similar to RAL 9007) Anthracite grey (similar to RAL 7016)
<b>Flexible extension options:</b>		
2nd heating circuit	Accessories	Accessories
Domestic hot water	Accessories	Accessories
Bivalent / renewable	Accessories	Accessories

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

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

\*\* Please note that additional space is required for pipe connections, operation and maintenance.

#### Headquarter

Glen Dimplex Deutschland GmbH  
Am Goldenen Feld 18  
DE-95326 Kulmbach  
P + 49 9221 709 -100  
www.glendimplex.de/en/contact

#### Sales support:

P + 49 9221 709-101

#### Order processing:

P + 49 9221 709-200

#### Find out more:

[www.glendimplex.de/en](http://www.glendimplex.de/en)