

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

# More free space in the garden.



**Power-regulated:**

**LI 16I-TUR for buildings with up to 16 kW heat consumption.**

- + Quiet operation for installations inside of buildings.
- + Flexible transportation into the building thanks to the disassembly option.
- + Suitable for every room situation thanks to variable connection options.
- + Eligible for subsidies due to high COP values.
- + At  $-10\text{ }^{\circ}\text{C}$  outside temperature a maximum flow temperature of  $56\text{ }^{\circ}\text{C}$ .

**LI 16I-TUR is particularly well suited to smaller plots in densely populated areas. For new builds and renovation.**

**NEW.**

# Energy-efficient. From the inside out.

The LI 16I-TUR is a highly efficient, inverter driven air-to-water heat pump for indoor installation to do heating, cooling and optional domestic hot water preparation. It is ideal for buildings with a small amount of outside space, for example in densely populated residential areas or cities. With a heat output of up to 16 kW, it is ideal for a heated living area up to 300 sqm. The LI 16I-TUR offers maximum flexibility for installation and positioning indoors.

## Your advantages with the LI 16I-TUR:

- 1 Sound? Not a problem.**

The sound emissions are minimal even at full heat output. Installation takes place easily in the heating room or utility room.
- 2 Flexible installation.**

Whether to the right, left or top: The air outlet can be connected flexibly. The integrated air circuit with 90° deflection enables direct corner installation without air ducts or wall installation with air ducts on the air outlet. The hydraulic connections can be routed to the right or left.
- 3 Fits in any building.**

During the renovation of heating systems, narrow cellars and staircases are often a challenge. The LI 16I-TUR can be dismantled into two parts to enable it to be transported easily into the building through narrow spaces and assembled again there.
- 4 Even more efficient with an inverter.**

The inverter technology enables the heat pump output to be adapted to the actual heating or hot water consumption. Verifiable efficiency thanks to certification measurement.
- 5 Reversible.**

Heating and cooling in one.

Extremely quiet:

# 35 dB(A)

Fulfills TA Lärm (German noise pollution prevention regulation) thanks to the indoor installation and air outlet from the wall at just 2.5 m from the wall.  
At full output at 5 m from the wall.

Comparison value:

## 30 dB(A)

Quiet bedroom  
at night.

Comparison value:

## 40 dB(A)

Quiet  
library.

State

# subsidies available.

Due to high CO<sub>2</sub> 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.

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

## LI 16I-TUR.



Intuitive user guidance via the integrated colour touch display on the device.



### Flexible indoor unit:

- + Individual connection options for different hydraulic designs.
- + LI 16I-TUR achieves the maximum energy efficiency class A+++ in a low-temperature application.

### Integrated components:

- + Heat pump manager with colour touch display.
- + Speed-regulated 3D-EC radial fan for quiet operation.
- + Evaporator.
- + Liquefier/plate heat exchanger.
- + Expansion valve.
- + Inverter compressor.
- + Dirt trap, flow and pressure sensor.

# Flexible combinations.

With domestic hot water and ventilation.

## Domestic hot water cylinder.

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While better thermal insulation is continuously reducing heat consumption in buildings, the requirements for convenient domestic hot water are increasing. The suitable domestic hot water cylinder can be connected to the heat pump with corresponding flexibility.

### + WWSP 335

Nominal capacity: 300 l, Effective capacity: 277 l

### + WWSP 442

Nominal capacity: 400 l, Effective capacity: 352 l

### + WWSP 556

Nominal capacity: 500 l, Effective capacity: 433 l



## Built-under buffer tank.

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In the design of the air-to-water heat pump for space-saving installation on the built-under buffer tank. Innovative PU insulation for better insulation values and low standstill losses.

### + PSP 120 U

Nominal capacity: 120 l

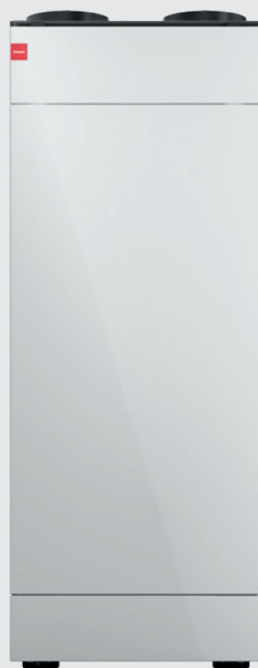


## Central ventilation.

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### Our recommendation: M Flex Air. For flexible installation.

- + Ventilation unit with heat recovery (version with moisture recovery also available).
- + Direction of air flow easy to reverse.
- + Automatic operation using integrated air quality sensors in exhaust air and outside air.
- + Pollen filter as standard.
- + Fireplace safety function for volume flow balance.
- + Suitable for installation in cupboards or kitchen units thanks to compact dimensions.
- + Optional comfort features: Fine dust filter, electric reheating and pre-heating register, feed air side condensate connection for cooled buildings. Condensate siphon with dry-running and low pressure protection.
- + The perfect combination: the flexible and easy to install Air 56 air distribution system.



# Made for small plots.

## Space-saving and easy to install.

The LI 16I-TUR is the latest inverter-controlled air-to-water heat pump for indoor installation from Dimplex and impresses with high seasonal performance factors and low running costs.

It can simply be installed in the utility room or the cellar. The option of dismantling the heat pump in two sections means that it fits easily into any building and can be transported into cellars through narrow staircases. This is often a key factor when renovating buildings in particular.



<b>Model name / Performance level</b>	<b>LI 16I-TUR Air-to-water heat pump.</b>
Article number	378680
Order reference	LI 16I-TUR
Energy efficiency class low / middle temperature*	A+++ / A++
Max. heating water temperature	+ 60 °C + / - 2 °C
Operating limits for heat source / air (heating operation)	- 20 °C to + 35 °C
Indoor unit: Dimensions (W x H x D)	960 x 1,560 x 760 mm
Air duct connection (air intake side)	726 x 726 mm
Air duct connection (air outlet side)	552 x 355 mm
Sound power level with A7 / W55 outdoors (normal operation / reduced operation)	53 / 51 dB (A)
Sound power level according to EN 12102 for A7 / W55 unit (normal operation / downgraded operation)	50 / 50 dB (A)
Connection voltage	1 / N / PE ~ 230 V (50 Hz) 3 / N / PE ~ 400 V (50 Hz)
Heat output A7 / W 35 / COP	7.1 kW / 5.1
Heat output A2 / W 35 / COP	6.0 kW / 4.2
Heat output A-7 / W 35 / COP	10.7 kW / 3.1
Cooling capacity A27 / W18 / EER	8.6 kW / 3.9
<b>Flexible extension options:</b>	
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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