

Heating and cooling for year-round comfort in industrial spaces.



Winterwarm WWH-LT-series

The WWH-LT heat pump unit heater is an all-electric climate system designed to provide sustainable heating and comfortable cooling throughout the year.



Winterwarm 

Characteristics Winterwarm WWH-LT:

- All-electric heating & cooling
- Ideal for use with heat pumps
- Optimised heat output at low temperatures
- Comfortable cooling in summer
- Energy-efficient EC fan
- Stepless control
- Even air distribution
- Suitable for a range of heat sources



Cooling for extra comfort

The WWH-LT is more than just an air heater. Thanks to the specially developed heat exchanger, the same unit can not only provide efficient heating, but also comfortable cooling when combined with a heat pump. This helps maintain a comfortable indoor temperature throughout the year, from the colder winter months to hot summer days. A condensate tray is fitted as standard, making the WWH-LT suitable for both heating and cooling applications.



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The WWH-LT is an all-electric heating and cooling system, specifically designed for low-temperature installations.

As a water-fed air heater, the unit serves as the output system within the installation and works exceptionally well with modern heat pumps.

By evenly distributing warm or cool air throughout the area, it creates a comfortable indoor climate in settings such as industrial halls, workshops, showrooms, shops, and logistics areas. This single, compact system ensures a pleasant working environment all year round.

Sustainable heating and cooling!

Installation options



U-bracket S and M



Wall brackets M



Wall brackets M

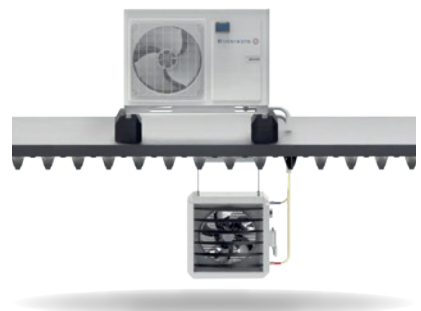


*Ceiling suspension set
(heating situations only)*



*Suspension kit, incl.
Modbus expansion set*

WWH-LT with a heat pump



www.winterwarm.co.uk

Want to know more?
Visit our website or scan the QR code!

www.winterwarm.com



How does the WWH-LT work?

The WWH-LT units are low temperature unit heaters that use hot water to heat air, which is then distributed into the space. Thanks to the specially developed heat exchanger, the unit delivers optimal heat output even at low water temperatures, such as when used in combination with a heat pump. In cooling mode, the principle works exactly the opposite way: the heat pump supplies relatively cold water so that the fan blows cool air into the space.

Suitable for various heat sources

The WWH-LT can be combined with a range of heat sources, including air-to-water or water-to-water heat pumps, a low-temperature boiler, a biomass boiler, or a connection to a district heating network. This makes the system easy to integrate into both new and existing sustainable installations. When used for cooling, the standard condensate tray ensures safe drainage of condensate; a condensate drain is required for this.

Sustainable and energy-efficient

Of course, the WWH-LT can also be used for heating only. In spaces with low ceilings, it is possible to apply a 4-way discharge plenum while still benefiting from the advantages of an energy-efficient heat pump. The energy-efficient EC fan also ensures low electricity consumption, low noise levels, and continuously adjustable airflow for optimal comfort.



*4-way discharge plenum
(not suitable for cooling mode)*



vertical louvres



standard



Technical data WWH-LT-series

Type	Unit	110 LT	220 LT	330 LT	340 LT
Article number		GI110WWLEC	GI220WWLEC	GI330WWLEC	GI340WWLEC
Maximum heating capacity 45°/40°C, room temp. of 15°C	kW	10.1	22.9	33.7	44.7
Maximum heating capacity 35°/30°C, room temp. of 15°C	kW	6.0	14.0	20.6	27.3
Cooling capacity at 7°/12°C, room temp. of 28°C and RH 50%	kW	6.6	16.5	19.2	32.1
Cooling capacity at 15°/18°C, room temp. of 28°C and RH 50%	kW	3.8	8.8	12.8	17.8
Maximum air output	m³/h	1850	4150	5450	8650
Throw horizontal (warm)	m	14	21	20	25
Throw vertical (warm)	m	5	7	7	8
Sound level (@ 5 meter)	dB(A)	35-54	35-64	35-60	35-62
Dimensions (wxhxd)	cm	52x52x48	68x69x46	91x80x51	91x80x51
Compatible heatpump	HPX	HPX06	HPX12/HPX16	HPX16	HPX30

Capacities at different water temperatures

In situations where different inlet and outlet water temperatures apply, the specified output of the heater must be multiplied by the value in the table below.

Air temperature	0°C	5°C	10°C	15°C	18°C	20°C
Water temperature						
35/30°C	1.19	1.00	0.81	0.61	0.49	0.42
45/40°C	1.59	1.39	1.19	1.00	0.88	0.81
45/35°C	1.49	1.28	1.06	0.85	0.69	0.63
60/40°C	1.79	1.57	1.32	1.10	0.98	0.91
70/50°C	2.25	2.01	1.79	1.57	1.37	1.35
80/60°C	2.76	2.45	2.19	1.92	1.68	1.65

Winterwarm HPX heat pump

For WWH-LT applications, Winterwarm offers the HPX heat pump range in 4 capacities. These are efficient air-to-water monoblock heat pumps.

Features:

- High COP score: >5
- Energy efficiency class A*** (EU standard)
- No F-gas qualification required for installation
- Control via Smart Controller or BMS



HPX 6, HPX 12 and HPX 16

HPX 30

That's why Winterwarm!

Are you looking for a heating solution for your business?
At Winterwarm, you've come to the right place!
We offer expert advice and are happy to assist with capacity calculations. You can find plenty of information on our website, but we are also available by phone for personal assistance. With our wide range of products, Winterwarm has the ideal heating solution for every situation.

Control options

Energy-efficient operation starts with the right controls. For optimum efficiency, we recommend equipping the WWH-LT with a Modbus RTU expansion kit. This allows the unit to be easily connected to a Building Management System (BMS) or the Winterwarm Smart Controller, providing advanced control and monitoring options. However, a simple room thermostat can also be used.



Smart Controller - article number IW8050

Device control with several smart functions

- Modbus connection
- WiFi control
- Automatic optimum heating mode
- Up to 4 heaters per controller
- External temperature sensor possible
- Failure diagnosis and reset per heater
- Day/night control
- Cooling function
- Available languages: NL/DE/EN/FR/PL



Room thermostat EC - article number IW3961

Basic on/off roomthermostat

- Temperature range 5°C - 30°C
- IP30
- 230 V
- Switching range 10-200mA



Speed controller O-10V - article number GA3955

Stepless speed control of air volume

Modbus expansion set – GA8010

To control the WWH-LT via a building management system (BMS), the Smart Controller must be extended with this Modbus expansion set. This enables central monitoring and control.

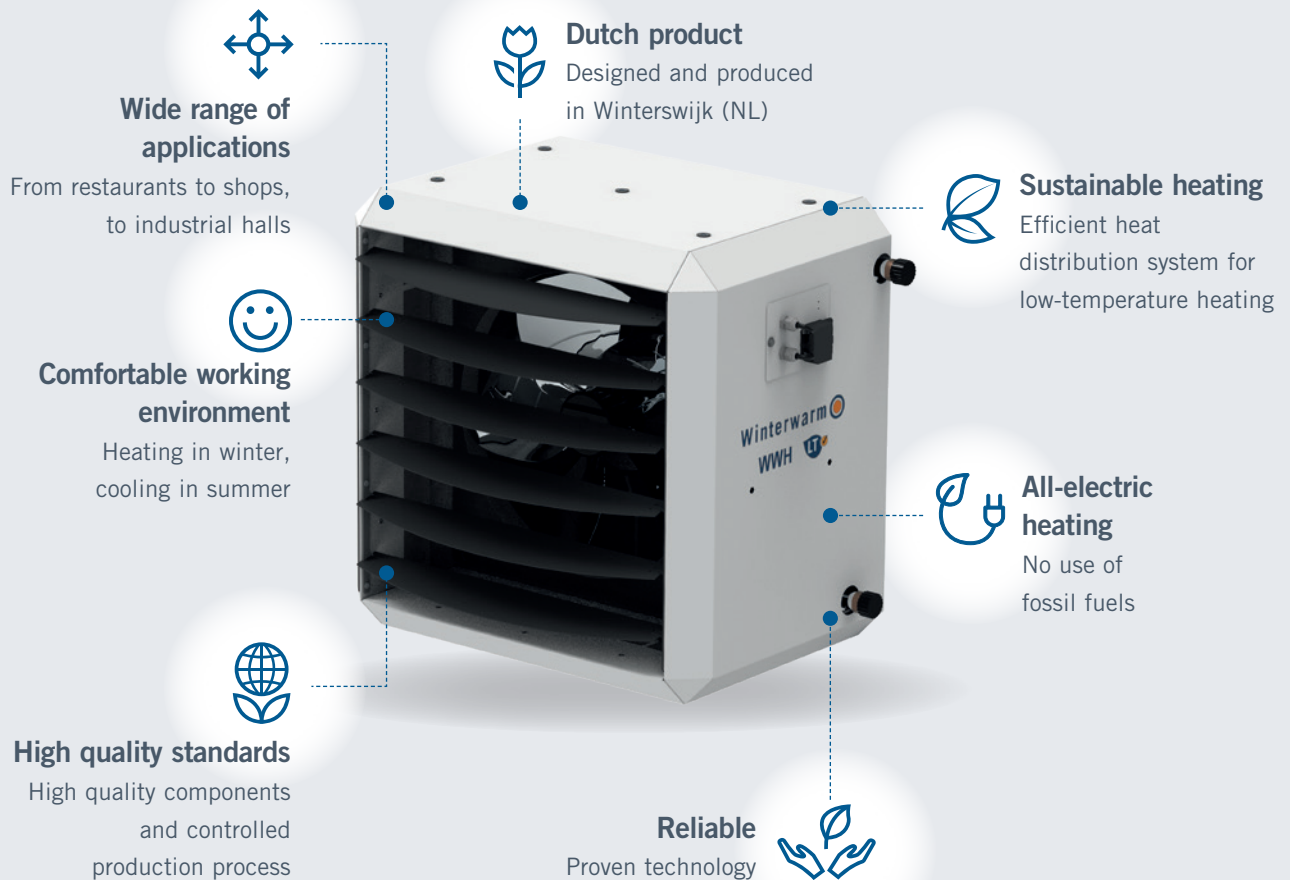
Connection thermostat – IH8500

Has to be placed on the supply pipe; it prevents the heater from discharging cold air.

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That's why the Winterwarm WWH-LT!

With the Winterwarm WWH-LT, you're choosing a sustainable heating solution that can create a comfortable working environment by both heating and cooling.



Winterwarm: leading in heating and lighting

With years of expertise, we supply an extensive range of heating appliances and led lighting products for the industrial market, including: gas fired air heaters, water air heaters, electric air heaters, destratification units and led lighting fixtures.



www.winterwarm.co.uk

Need some advice?
Contact us or scan the QR code!

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Innovative heating and lighting solutions

We strive for sustainable and healthy solutions that contribute to a better climate and a pleasant working environment. Whether it's making your business premises more sustainable or optimizing the indoor climate, Winterwarm is your reliable partner for green and efficient business spaces.

Versatile and applicable everywhere, a world of possibilities

In addition to heating, Winterwarm also provides lighting for every space. Thanks to innovative technology and energyefficient designs, we create a comfortable environment tailored to specific needs. Perfect for both large and small spaces.



www.winterwarm.co.uk

**Curious about our projects?
Check our website or scan the QR code!**



www.winterwarm.com

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