

Water supplied unit heater for every commercial space



Winterwarm WWH-series

The water supplied unit heaters from Winterwarm can, in combination with any central heating boiler, quickly and comfortably heat a commercial space.

Winterwarm 

Characteristics Winterwarm WWH:

- Comfortable temperature distribution
- Various air discharge options
- Easy to control
- Quiet and energy-efficient
EC version available
- Can be installed anywhere
- Good price/quality ratio
- Suitable for all water temperatures
- Long service life



WWH-EC: extra comfort and energy savings

The WWH-EC version of the WWH is standard equipped with an energy-efficient EC fan. This results in a more comfortable indoor climate thanks to lower noise levels and the stepless control of the fan. Through a 0-10 V signal, the air volume of the unit can be precisely adjusted as desired. In addition, the WWH-EC consumes approximately 25% less electricity than the standard WWH version. This makes the WWH-EC an efficient solution for those who want to combine comfort and energy savings.



Water supplied air heating (or LPHW heating) has been a proven heating system for many years. Depending on the heat source, these units offer a sustainable heating solution for evenly and comfortably heating commercial spaces. Due to the flexible mounting and air discharge options, the WWH can be used in a wide range of applications such as warehouses, showrooms, workshops, shops, and halls.

The WWH is usually connected to a central heating boiler, but it is also suitable for businesses with a district heating network. At low water temperatures, it is preferable to choose the WWH-LT series due to its special heat exchanger.

Easy installation and fast heating!

Installation options



Wall suspension



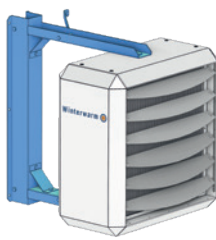
Wall suspension



Cantilever brackets M



Ceiling suspension set



*Suspension brackets
U-bracket S and M*



Threaded rod suspension



How does the WWH air heater work?

Water-fed air heaters are efficient heat distribution systems that use hot water to warm air, which is then released into the space. The heat exchanger consists of copper tubes with aluminium fins, which efficiently transfer heat to the air. A powerful fan ensures the distribution of heat throughout the space. In the standard WWH, this is controlled via a 5-step controller; in the WWH-EC version, it is steplessly controlled using a 0–10 V signal.

Variable air distribution

The WWH can discharge air either horizontally or vertically and can be mounted on the wall or ceiling. The outlet grill is rotatable, allowing the water connections to be positioned on the desired side. As an option, vertical louvres can be installed to adjust the airflow direction.

For spaces lower than 4 metres, a 4-way discharge plenum is available. This allows the unit to be integrated into a suspended ceiling while the discharge plenum underneath distributes warm air evenly across the room. In this way, the air heater remains discreet while maintaining optimal heating comfort.

Simple and flexible heating solution

The WWH is also ideal for use in combination with radiators, for example in a warehouse or sports canteen: the central heating boiler heats smaller rooms with radiators and the canteen or warehouse with a Winterwarm WWH air heater. With a 2-way valve, you can easily decide which room(s) you want to heat. Together with the relatively low investment cost of a WWH, this provides a perfect heating solution for such applications.



4-way discharge plenum



vertical louvres



standard



Technical data WWH-series

Type	Unit	110	115	120	230	235	245	350
Article number		GI122LWW	GI122HWW	GI123HWW	GI162LWW	GI162HWW	GI163HWW	GI202LWWW
Heating capacity*	kW	11.7	14.7	19.5	22.8	27.7	38.7	48.2
Maximum air output (warm)	m³/h	1400	2200	1900	2600	3850	3450	6600
Throw horizontal	m	10	14	12	19	22	19	20
Throw vertical	m	3,5	5	4	6	7	6	7
Sound level (@ 5 meter)	dB(A)	50	59	58	51	61	60	62
Dimensions (wxhxd)	cm	51x51x37	51x51x37	51x51x37	69x69x45	69x69x45	69x69x45	86x86x43

*) at a water temperature of 90°/70° and a room temperature of 15°C

Technical data WWH-EC serie

Type	Unit	115EC	120EC	235EC	245EC	350EC	365EC	380EC
Article number		GI122HWWEC	GI123HWWEC	GI162HWWEC	GI163HWWEC	GI202LWWWEC	GI202LWWEC	GI203LWWEC
Heating capacity*	kW	14.7	19.7	27.8	38.7	46.4	54.4	76.8
Maximum air output (warm)	m³/h	2200	1950	3900	3500	6150	8500	7600
Throw horizontal	m	16	14	22	19	21	25	21
Throw vertical	m	5	5	7	6	7	8	7
Sound level (@ 5 meter)	dB(A)	35-54	35-54	35-59	35-57	35-60	35-56	35-54
Dimensions (wxhxd)	cm	51x51x37	51x51x37	69x69x45	69x69x45	86x86x43	86x86x43	86x86x43

*) at a water temperature of 90°/70° and a room temperature of 15°C

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. The WWH is not suitable for steam applications.

Air temperature	0°C	5°C	10°C	15°C	18°C	20°C
Water temperature						
90/70°C	1.30	1.19	1.10	1.00	0.94	0.91
80/60°C	1.11	1.01	0.91	0.82	0.76	0.73
70/50°C	0.92	0.82	0.73	0.64	0.56	0.55
60/40°C	0.73	0.64	0.54	0.45	0.40	0.37
50/30°C	0.54	0.45	0.37	0.27	0.22	0.18

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

Simplicity is central to the WWH series. The control system is designed according to this same principle. The primarily used heat source determines how the complete heating system is controlled. In addition, the standard WWH air heater can be controlled using an on/off thermostat or a programmable thermostat in combination with a connection thermostat. The air volume can also be adjusted using a 5-step switch.

The WWH-EC is controlled via a 0–10 V signal, supplied by a building management system or a room thermostat, optionally with a timer function. The air volume is continuously variable via a 0–10 V fan speed controller.



Room thermostat, on/off - article number IW3950

Room thermostat to control the standard WWH heaters

- Temperature range 5°C - 30°C
- IP30
- 230 VAC, 50 Hz
- for heaters with AC-fan motor, switching range 200mW-10A



Room thermostat on/off for EC - artikelnummer IW3961

Room thermostat to control the WWH-EC heaters

- Temperature range 5°C - 30°C
- IP30
- 230 V
- for heaters with EC-fan motor, switching range 10-200mA



Clock thermostat - article number IW3968

- Temperature range 2°C - 30°C
- 230 V
- IP40
- Switches max. 10 A.
- Weekly program
- Excl. 2 x 1.5 V AA batteries



Connection Thermostat - article number IH8500

The connection thermostat has to be placed on the supply pipe of the WWH; it prevents the heater from discharging cold air

- Temperature range 20°C - 90°C
- IP30
- 230 V
- Max. 2.5 A.

To reduce the air volume of the WWH and WWH-EC, the following controllers are available:

- GA3955: 0-10 V speed controller
- IA8540 to IA8516: 5-step switches

That's why the Winterwarm WWH!

With the Winterwarm WWH or WWH-EC, you choose a proven heating concept that combines comfort, low energy costs, and easy installation in one solution.



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 and agricultural markets, 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!

www.winterwarm.com



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.



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



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