

Maximum comfort, minimal energy consumption.



Winterwarm HR-series

The Winterwarm condensing unit air heater combines the efficiency of a gas-fired unit air heater with additional energy savings and comfort.

Winterwarm 

Characteristics Winterwarm HR:

- High efficiency
- Energy saving
(25% compared to conventional heaters)
- Rapid heating of the room
- Delta-T control
- Tilt-mounted option for diagonal heat distribution (HR 10-60)
- Economical and quiet EC fan
- 10 years warranty on heat exchanger
- Relatively low investment



Versatile and powerful

Whether it's a store or a large factory hall, there is a suitable HR air heater for every space. Capacities range from 10 kW to 120 kW.

The HR 80, HR 100, and HR 120 models feature four powerful fans that distribute warm air deep into the room. Looking for less noise and lower electricity consumption? Then the HR-EC variant is the ideal choice.



Maximum comfort, minimal energy consumption.

Direct gas fired air heating remains a perfect heating solution for heating large spaces. The room quickly reaches the desired temperature, comfort is high thanks to intelligent control, and there is no unnecessary heat loss due to night setback.

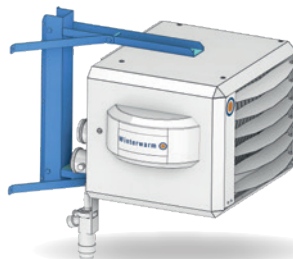
A high-efficiency air heater is also much more sustainable than conventional gas-fired air heaters. When comparing energy consumption, comfort, and investment costs, the Winterwarm HR series is often the preferred choice for heating large spaces.

Versatile, reliable, and high efficiency!

Installation possibilities



*Design suspension
(wall suspension)*



*Suspension brackets S
(wall suspension)*



*Suspension brackets M
(wall suspension)*



Cantilever brackets M



Cantilever brackets M and L



Cantilever brackets L



www.winterwarm.co.uk

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

www.winterwarm.com



How does the HR unit air heater work?

The Winterwarm HR is an intelligent and energy-efficient air heater. Its specially designed stainless steel heat exchanger ensures optimal heat transfer. The smaller models are compact and lightweight, making them ideal for use in retail spaces.

All models achieve a high efficiency of 106% and automatically adjust their output based on the heating demand. A smart thermostat manages this process, ensuring that the space remains comfortably warm without unnecessary energy consumption.

Smart energy savings with delta-T control

The Winterwarm HR uses sensors to measure the temperature difference between the floor and the ceiling. If a significant amount of warm air accumulates underneath the ceiling, the fan activates to redistribute the heat downward. This reduces the need for frequent burner operation and minimizes heat loss through the roof, leading to substantial gas savings. If the room is higher than 5 metres, we recommend installing additional ceiling fans to bring the heat down to floor level and prevent heat loss through the roof.

Extra quiet and energy-efficient: HR-EC series

The HR-EC models offer even greater energy efficiency and quieter operation. They consume 25% less electricity and feature an EC fan (0-10V) that runs smoothly and quietly. This results in even heat distribution and a 50% noise reduction, making them ideal for environments such as showrooms, cafeterias, and retail spaces.

Adjustment of the throw

If the air heater is positioned opposite of a wall or storage rack, vertical louvres can be installed on the discharge grill to adjust the airflow. This modification reduces the throw distance by approximately 30%, optimizing heat distribution within the space.



WCU circulation unit



vertical louvres



Technical data (general)

Type	Unit	HR10	HR20	HR30	HR40	HR50	HR60	HR80	HR100	HR120
Maximum heat output	kW	12	19.2	29	38.8	48.3	58	69.8	88.3	107.7
Nominal heat input max. (H.I.)	kW	12.5	20	30	40	50	60	72	91	111
Weight	kg	45	50	75	85	105	110	190	200	225
Max. length flue*	m	9	9	9	9	9	9	9	9	9
Dimensions, width	mm	495	495	670	670	670	670	1040	1040	1040
Dimensions, height	mm	650	650	795	795	1065	1065	1135	1135	1280
Dimensions, depth	mm	530	530	650	650	650	650	1010	1010	1010

Additional technical data HR

Article number for natural gas version		GM10AAG20	GM20AAG20	GM30AAG20	GM40AAG20	GM50AAG20	GM60AAG20	GM80AAG20	GM03AAG20	GM04AAG20
Article number for propane version		GM10AAG31	GM20AAG31	GM30AAG31	GM40AAG31	GM50AAG31	GM60AAG31	GM80AAG31	GM03AAG31	GM04AAG31
Maximum air output warm	m³/h	2000	2600	3000	4500	6400	6800	11000	12900	14600
Throw horizontal (max)	m	15	20	23	26	28	30	42	48	49
Sound level (@ 4 meter), range	dB(A)	56-58	56-58	56-58	57-61	61-64	61-64	56-61	56-61	56-62

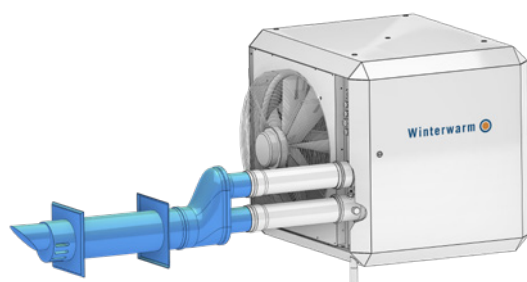
Additional technical data HR-EC

Article number for natural gas version	GM10AAG20EC	GM20AAG20EC	GM30AAG20EC	GM40AAG20EC	GM50AAG20EC	GM60AAG20EC	GM80AAG20EC	GM03AAG20EC	GM04AAG20EC	
Article number for propane version	GM10AAG31EC	GM20AAG31EC	GM30AAG31EC	GM40AAG31EC	GM50AAG31EC	GM60AAG31EC	GM80AAG31EC	GM03AAG31EC	GM04AAG31EC	
Maximum air output warm	m³/h	2200	2650	3150	4500	6700	6700	12400	13500	15400
Throw horizontal (max)	m	15	20	23	26	28	30	42	48	49
Sound level (@ 4 meter), range	dB(A)	42-54	42-54	43-55	47-62	48-64	48-64	50-60	50-60	56-61

*) for each 90° elbow, 1.5 m. less; for each 45° elbow 1m. less

Flue terminals

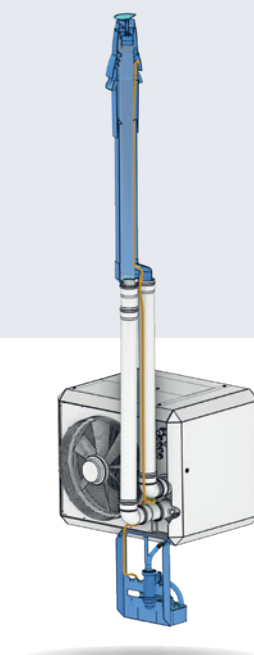
The unit is supplied complete with a siphon for the drainage of condensate water, preferably via the sewer system. For drainage via the flue gas system (where the water partially evaporates), a special flue gas discharge kit including a condensate pump is available.



Wall terminal CT HR 10 - HR 120



Roof terminal DDV HR 10 - HR 120



Evaporation possible
via the roof terminal

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

The MultiTherm Standard and MultiTherm Comfort thermostats optimize the operation of HR heaters. These thermostats are user-friendly and easy to operate.



Smart Controller - device control with several smart functions
article number IW8050

- 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



MTC - clockthermostat with extra functions
article number IX3912

- Modulation on room temperature
- 10 programmable time blocks
- Overtime program
- Summer ventilation
- Controls up to 8 heaters
- Failure diagnosis and reset per heater
- Low voltage current (24V)
- To interrupt heat demand with an external signal
- Keyboard locking (pin code)



External temperature sensor possible.
article number GA3929

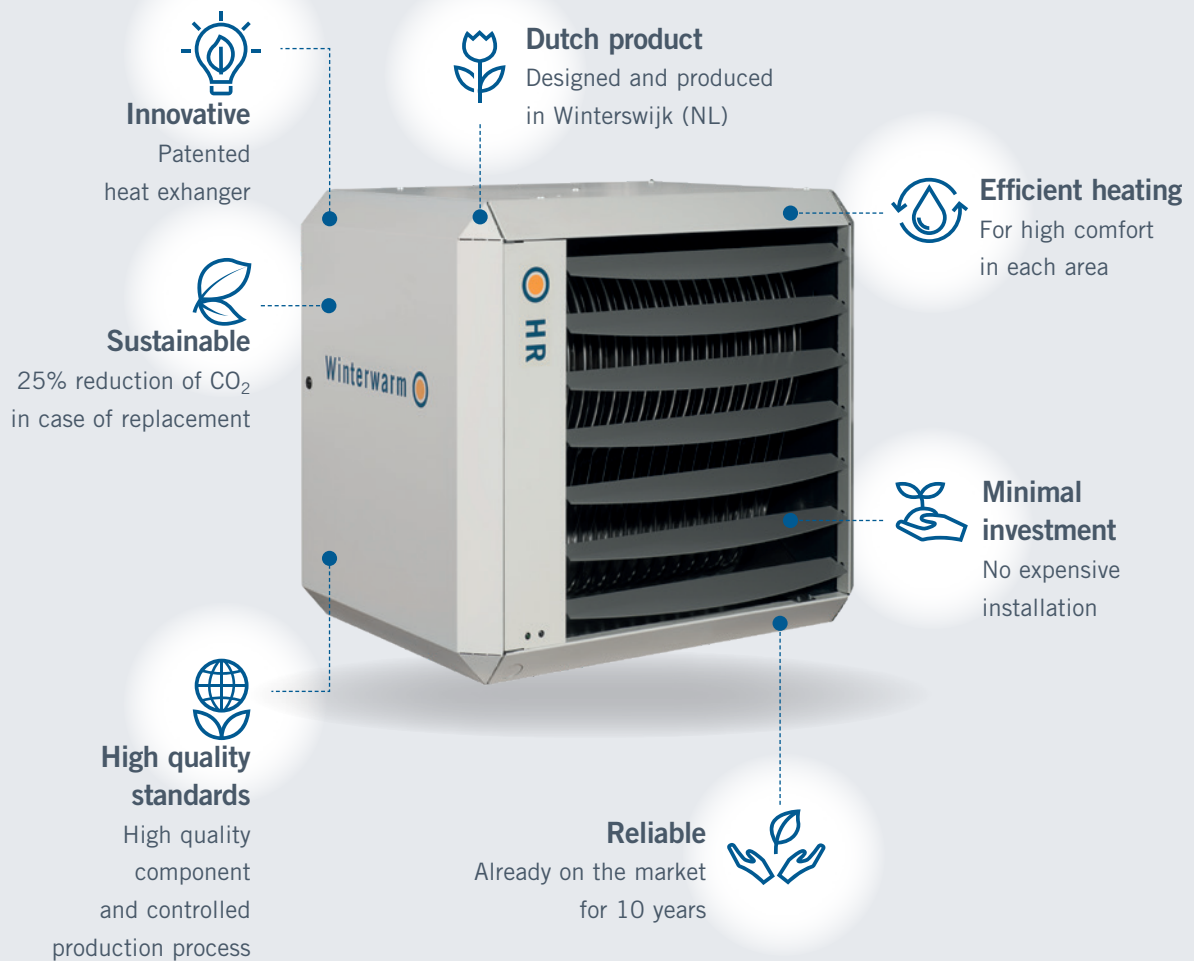
Additional control options

- | | |
|---|---|
| Modbus Control Set – GA5903 | : enables integration with a building management system (BMS). |
| MTS Thermostat – IX3911 | : on/off thermostat with extra functions. |
| 0-10 V. Control Set – GA5906 | : allows regulation via a 0-10V signal without temperature measurement. |
| External Alarm Signal Set – GA4009 | : adds an external alarm output. |
| Service Switch – IK5282 | : recommended for maintenance, allowing the unit to be safely switched off. |
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Maximum comfort, minimal energy consumption.

That's why the Winterwarm HR!

With the HR air heater you get a reliable and affordable heating system that can heat your space quickly and comfortably. Although an HR heater functions 100% on gas, it is the most economical and energy efficient model unit air heater in the market.



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?
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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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