



International specialist in climate control and lighting solutions



CLIMATE CONTROL  
Catalogue  
& price list

1. September 2026 to 30. June 2027

Easy selection from our complete range of  
air heaters | circulation units | air curtains  
cooling systems | related accessories  
for a perfectly tailored climate control solution.

SINCE  
1936

Winterwarm

# The foundation of our partnership

- Personal and expert guidance
- Design, production and sales are all based in Winterswijk (NL)
- Sales, Service and R&D work closely together
- Proven quality
- Well-established in the market, with reliable products that are easy to install

## Over 90 years of heating expertise

For more than 90 years, Winterwarm has been developing and manufacturing heating solutions for industrial, commercial and agricultural buildings. Based in Winterswijk, the Netherlands, we have built a leading position in the European market, while our agricultural heating solutions are used by customers worldwide. Quality, service and innovation have always been at the heart of our business.

## Towards a sustainable future

Sustainability is an important driver in the continuous development of our product range. We offer heat pumps, hybrid systems, electric and water-supplied air heaters, alongside highly efficient gas-fired solutions. Our commitment to sustainability is also reflected in our modern production facility, which has been awarded the BREEAM Outstanding certificate.

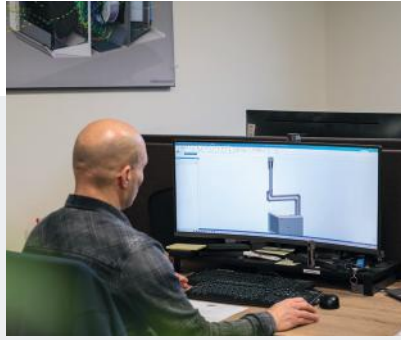




## Your partner in your market

For our international dealers, Winterwarm is more than just a manufacturer. We aim to be a reliable partner, supporting you with technical expertise, product knowledge and practical advice.

By combining your knowledge of the local market with our experience and innovative product range, we can respond to changing customer needs and energy requirements together – creating new opportunities for sustainable heating in your market. With short communication lines and personal support, we help you serve your customers professionally and grow the Winterwarm brand in your market.



## Innovation and development

Winterwarm develops new products by actively anticipating technological developments in the market. At the same time, our sales team gathers valuable insights from customers and shares them with our R&D department. Here, we assess their feasibility and develop efficient solutions that meet market requirements.

### **This collaboration results in innovative products such as our hybrid heating systems:**

- A combination of heat pumps and boosters (gas or electric) for maximum energy savings and a lower carbon footprint
- Ideal for industrial buildings with high energy consumption
- Developed to meet future regulations



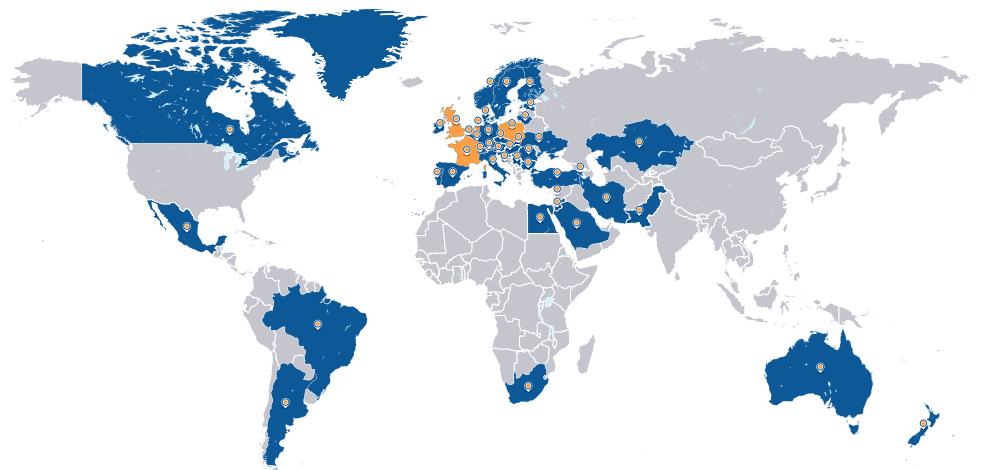
## Commitment

Winterwarm has its roots in the Achterhoek region, in the east of the Netherlands, where many technical businesses are based. Wherever possible, we work with local suppliers and support local initiatives as part of our commitment to the community. In this way, we contribute to a strong, sustainable and innovative region.

This commitment is also reflected in our team. Many of our employees have worked at Winterwarm for many years with pride and dedication. Their expertise and loyalty form the foundation of our reliable service and innovative solutions. Thanks to their commitment, we provide high-quality climate and lighting solutions for businesses in the Netherlands and abroad.



## Winterwarm worldwide



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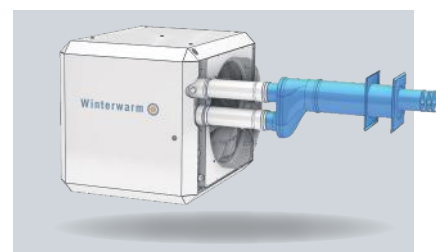
### 54 | Winterwarm XR+

Indirect fired unit air heater with modulating burner and fan

Prices in this catalogue are gross prices. All previous price lists hereby become void; price changes and printing/typesetting errors are subject to change. For net prices you can contact our sales office in Winterswijk Tel. +31 (0)543 54 63 00. More specific product information can be found on [www.winterwarm.com](http://www.winterwarm.com).  
Version: 1. September 2026 - valid until 1. July 2027

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In addition to flue systems, Winterwarm also offers a range of extension pipes, bends and flashing plates



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## 74 | Winterwarm DX-EH

Electric warm air heater, specifically designed for poultry and pig houses



## 80 | Winterwarm DXC

Indirect-fired warm air heater with closed combustion system, for poultry houses and greenhouses



## 86 | Winterwarm DX4D

Direct gas-fired warm air heater with 4-way air discharge, specifically designed for poultry houses



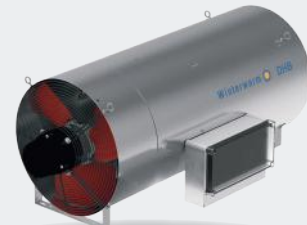
## 88 | Winterwarm DXE

Indirect-fired warm air heater for external installation in poultry houses



## 94 | Winterwarm DHX

Direct gas-fired warm air heater, for poultry houses and greenhouses



## 100 | Winterwarm DHB

Oil-fired warm air heater



## 102 | Lighting

With WinLed and Luminaid products we offer a complete range of led lighting solutions.

# Winterwarm QSE

## Characteristics:

- 100% electric
- Heating and cooling
- No CO<sub>2</sub> emissions
- Quick heating
- Intelligent control
- Optimal use of solar energy
- Can be combined with a HPX heat pump



## Comfortable cooling

The Qwikshift QSE not only provides sustainable heating, but also cooling during the summer. The heat pump operates in reverse, reducing the temperature inside the building. This means one system provides a comfortable working climate all year round.

Cooling is particularly attractive in combination with solar panels. In summer, when the demand for cooling is highest, the electricity generated by the solar panels can be used efficiently to cool the space.



The all-electric hybrid climate solution for every commercial space.

With the Qwikshift QSE, you choose an all-electric solution for heating and cooling commercial spaces. It is ideal for businesses looking to install a gas-free climate system. The system combines an air-to-water heat pump with an indoor unit and integrated electric booster. The heat pump provides most of the heating capacity, while the additional capacity of the booster is only used when required.

In summer, the same heat pump provides cooling. This makes the QSE a sustainable climate solution for every season. In combination with solar panels, the electricity generated on-site can also be used to maximum effect.

## Gas-free heating with smart hybrid climate technology

### Installation options



*Suspension brackets S*



*Cantilever brackets M and L*



*Wall suspension*



*Cantilever brackets M and L*



*Suspension using threaded bar*



*Heatpump on Big Feet*



Want to know more?  
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or scan the QR code!



## How does the Qwikshift QSE work?

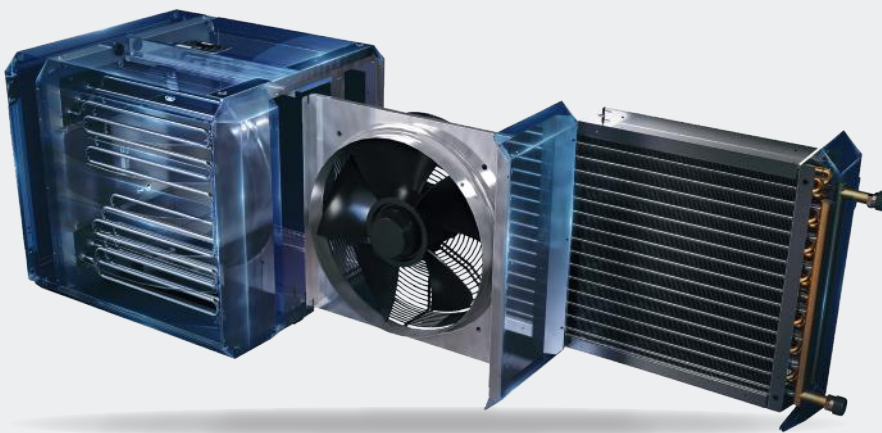
The Qwikshift QSE consists of an outdoor unit, the heat pump, and an indoor unit equipped with a water coil, fan and integrated electric booster. The heat pump provides the required heating capacity for around 80% of the operating time. When additional heating capacity is temporarily required, for example at the start of the working day or on cold days, the electric booster provides the extra capacity. This allows the commercial space to reach the desired temperature quickly, without having to select a heat pump with the maximum required heating capacity.

### Cooling with the same system

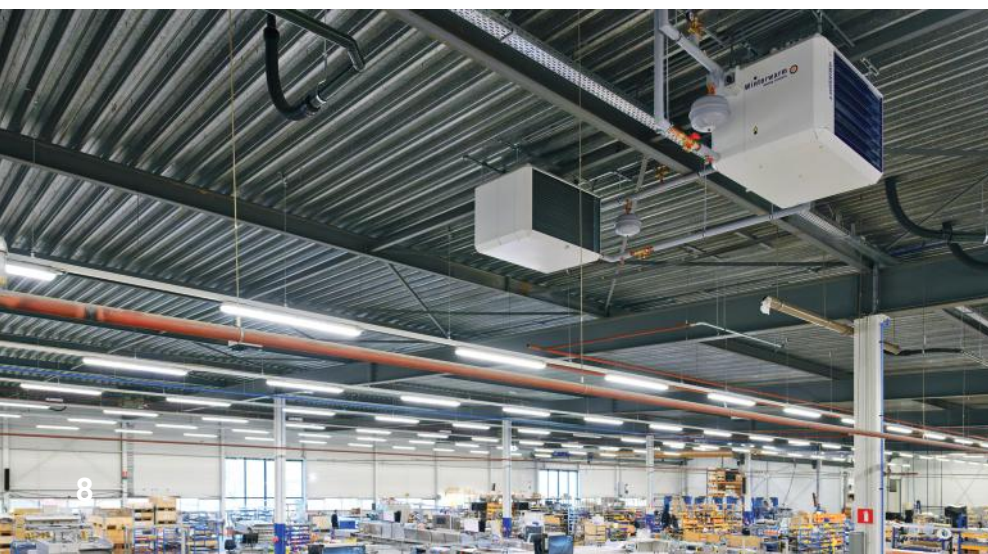
In summer, the heat pump operates in reverse and the QSE uses the same indoor unit to lower the temperature inside the commercial space. This means one system provides a comfortable working environment all year round.

### Smart Controller for optimum performance

The Smart Controller controls both heating and cooling and ensures the system is used intelligently. It continuously selects the most efficient way to heat and can take the customer's energy tariffs into account. Solar panels are a valuable addition: electricity generated on sunny summer days can be used directly to meet the cooling demand of the commercial space.



*QSE indoor unit configuration: Heat pump water coil + fan + electric booster*



## Technical data QSE-series

| Type                            | Unit  | QSE 6+15   | QSE 12+15  | QSE 12+30  | QSE 16+5   | QSE 16+10  | QSE 16+15  | QSE 16+20  | QSE 16+30  | QSE 16+40  |
|---------------------------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Article number                  |       | GH15E06G20 | GH15E12G20 | GH30E12G20 | GH05E16G20 | GH10E16G20 | GH15E16G20 | GH20E16G20 | GH30E16G20 | GH40E16G20 |
| Total heating capacity          | kW    | 21.0       | 27.0       | 41.7       | 20.7       | 25.6       | 30.7       | 35.5       | 45.4       | 55.3       |
| Heatpump type*                  |       | HPX 06     | HPX 12     | HPX 12     | HPX 16     | HPX 16     | HPX 16     | HPX 16     | HPX 16     | HPX 16     |
| Heating capacity heatpump**     | kW    | 6.0        | 12.0       | 12.0       | 15.7       | 15.7       | 15.7       | 15.7       | 15.7       | 15.7       |
| Article number heatpump         |       | GHW8000    | GHW8006    | GHW8006    | GHW8008    | GHW8008    | GHW8008    | GHW8008    | GHW8008    | GHW8008    |
| Maximum capacity Booster        | kW    | 15.0       | 15.0       | 29.7       | 5.0        | 9.9        | 15.0       | 19.8       | 29.7       | 39.6       |
| Cooling capacity***             | kW    | 6.5        | 12         | 12         | 15.4       | 15.4       | 15.4       | 15.4       | 15.4       | 15.4       |
| Air volume (warm)               | m³/h  | 1800       | 4500       | 4500       | 6700       | 6700       | 6700       | 6700       | 6700       | 6700       |
| Max. throw horizontal           | m     | 15         | 20         | 20         | 25         | 25         | 25         | 25         | 25         | 25         |
| Weight (indoor unit)            | kg    | 48         | 83         | 88         | 100        | 102        | 104        | 106        | 110        | 114        |
| Sound level                     | dB(A) | 35-54      | 35-63      | 35-62      | 35-62      | 35-62      | 35-62      | 35-62      | 35-62      | 35-62      |
| Max. electrical current****     | Amp.  | 23.2       | 23.3       | 44.6       | 14.1       | 17.5       | 24.9       | 31.9       | 46.2       | 60.6       |
| Dimensions (width×height×depth) | cm    | 72x50x66   | 88x67x80   | 88x67x80   | 108x67x80  | 108x67x80  | 108x67x80  | 108x67x80  | 108x67x80  | 108x67x80  |

\*) The QSE indoor unit and outdoor unit (heat pump) must be ordered separately.

\*\*) At a water temperature of 35°C/30°C and a room temperature of 20°C, according to EN1397.

\*\*\*) At a water temperature of 12°C/17°C, a room temperature of 27°C and 50% RH, according to EN1397.

\*\*\*\*) of indoor unit per phase

## Winterwarm HPX heatpump

Winterwarm offers for the QSE 3 capacities of efficient HPX air-to-water heatpumps in monobloc design.

### Features:

- High COP: >5
- Energy efficiency class A\*\*\*
- No F-gas certification required for installation
- Can be controlled by Smart Controller or BMS



HPX 6, HPX 12 and HPX 16

# Control options

## Control Options

The Smart Controller has been especially developed for the Qwikshift hybrid air heaters. It automatically coordinates the heat pump and booster unit. Users can enter their energy prices, allowing the controller to select the most cost-effective way to reach the desired temperature. A Modbus connection also enables direct integration with a building management system (BMS), providing extensive options for monitoring and retrieving system data.



### Winterwarm 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
- Day/night control
- Cooling mode
- Available languages: NL/DE/EN/FR/PL

## QSE with heatpump



*indoor unit + heatpump*

## PRICELIST

### Qwikshift hybrid heater QSE-series

| QSE series  | All-electric |             |
|-------------|--------------|-------------|
|             | Price €      | article no. |
| QSE 6 + 10  | 6595         | GH10E06UW   |
| QSE 6 + 15  | 7060         | GH15E06UW   |
| QSE 12 + 15 | 7235         | GH15E12UW   |
| QSE 12 + 30 | 7405         | GH30E12UW   |
| QSE 16 + 5  | 7195         | GH05E16UW   |
| QSE 16 + 10 | 7745         | GH10E16UW   |
| QSE 16 + 15 | 7895         | GH15E16UW   |
| QSE 16 + 20 | 8150         | GH20E16UW   |
| QSE 16 + 30 | 8815         | GH30E16UW   |
| QSE 16 + 40 | 9225         | GH40E16UW   |

### Accessories QSE-series

| DESCRIPTION                                       | Applicable on                                    | Price € | article no. |
|---------------------------------------------------|--------------------------------------------------|---------|-------------|
| Smart Controller                                  | all QSE types                                    | 488     | IW8050      |
| Power isolation switch, 230 V - 400 V., 25 A      | QSE 6 + 10/15<br>QSE 12 + 15<br>QSE 16 + 5/10/15 | 86      | IK5282      |
| Power isolation switch 400V, 32 A                 | QSE 16 + 20                                      | 151     | IE5209      |
| Power isolation switch 400V, 63 A                 | QSE 12 + 30 en<br>QSE 16 + 30/40                 | 236     | IE5210      |
| Suspension brackets U-bracket S (wall suspension) | QSE 6 + 10/15                                    | 205     | GA8610      |
| Suspension brackets M (wall suspension)           | QSE 6 + 10/15                                    | 214     | GA8580      |
| Suspension brackets L (wall suspension)           | QSE 12 + x<br>QSE 16 + x                         | 298     | GA8622      |
| Set vertical louvres (4 pcs.)                     | QSE 6 + 10/15                                    | 132     | GX2003      |
| Set vertical louvres (4 pcs.)                     | QSE 12 + 15/30                                   | 133     | GX4002      |
| Set vertical louvres (5 pcs.)                     | QSE 16 + x                                       | 204     | GX6004      |

| HEAT PUMPS                                                                                 | Applicable on  | Price € | article no. |
|--------------------------------------------------------------------------------------------|----------------|---------|-------------|
| Heat pump HPX 06                                                                           | QSE 6 + 10/15  | 4055    | GHW8000     |
| Heat pump HPX 12                                                                           | QSE 12 + 15/30 | 5210    | GHW8006     |
| Heat pump HPX 16                                                                           | QSE 16 + x     | 5650    | GHW8008     |
| Anti-frost valve 1"x 1" (2 pieces required per heat pump)                                  | all QSE types  | 295     | IW8040      |
| Roof duct for heat pump ø100mm                                                             | all QSE types  | 138     | IW8032      |
| Suspension brackets for heat pump incl. vibration dampers (for suspension on outside wall) | HPX 06-12-16   | 249     | GA8650      |

# Winterwarm QSG

## Characteristics:

- Heating and cooling
- Up to 60% lower energy consumption
- Up to 70% reduction in CO<sub>2</sub> emissions
- Quick heating by booster
- Smart control
- Hydrogen ready
- Compatible with HPX heat pump



## Comfortably cool in summer

The QSG hybrid air heater not only provides energy-efficient heating, but also keeps commercial spaces comfortably cool during warmer periods. In summer, the heat pump reverses its operation to provide cooling through the same indoor unit. This keeps temperatures comfortable and creates a pleasant working environment for employees, without the need for a separate cooling system. One system provides a stable and comfortable indoor climate all year round.



The smart hybrid climate system for every commercial and industrial space.

More and more companies want to make their business premises more sustainable, reduce energy costs and create a comfortable working environment. The Winterwarm Qwikshift QSG helps achieve all three. Its hybrid combination of a heat pump and an indoor unit with a heat exchanger and additional gas booster, together with the intelligent Smart Controller, can reduce energy consumption by up to 60%.

The intelligent control system maintains a comfortable, even temperature throughout the space, while the heat pump provides cooling during the summer. The result is a pleasant indoor climate all year round, helping employees stay comfortable and perform at their best.

## Hybrid climate system for sustainable comfort!

### Installation options



*Suspension brackets S*



*Cantilever brackets M and L*



*Wall suspension*



*Cantilever brackets M and L*



*Suspension using threaded bar*



*Heatpump on Big Feet*



Want to know more?  
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or scan the QR code!



## How does the Qwikshift QSG work?

The QSG combines a heat pump with an indoor unit with integrated gas fired booster in one intelligent heating system. The heat pump meets the heating demand for around 80% of the time, with heat distributed into the space through the heat exchanger and fan in the indoor unit. When the working day starts or during colder weather, the booster provides additional heating power immediately, allowing the desired temperature to be reached quickly. Once the required temperature has been reached, the booster switches off and the heat pump continues to meet the heating demand. This significantly reduces gas consumption while keeping the space comfortably warm. In summer, the heat pump reverses its operation, allowing the same system to provide comfortable cooling.

### Smart Controller makes the difference

The Smart Controller automatically controls the heat pump and indoor unit to ensure optimum cooperation between the heat pump and booster. The system continuously selects the most efficient way to provide heating and can also take the customer's energy tariffs into account.

### Easy to make your building more sustainable

Commercial buildings currently heated with gas fired air heaters, such as the Winterwarm WSP or XR, or equivalent systems, can be made more sustainable relatively easily by replacing them with a QSG. Thanks to its hybrid concept, a large proportion of the heating demand is met by the heat pump, while the gas booster can provide additional heating power when demand peaks. Because the system is not fully electric, a smaller electrical connection can be sufficient. This means grid capacity constraints are much less likely to become a barrier when upgrading existing commercial buildings to more sustainable heating.



*QSG indoor unit: heat exchanger for heat pump + fan + gas booster*



## Technical data QSG-series

| Type                            | Unit  | QSG 6+20   | QSG 12+20  | QSG 12+30  | QSG 12+40  | QSG 16+20  | QSG 16+30  | QSG 16+40  | QSG 16+50  | QSG 30+60  |
|---------------------------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Article number                  |       | GH20H06G20 | GH20H12G20 | GH30H12G20 | GH40H12G20 | GH20H16G20 | GH30H16G20 | GH40H16G20 | GH50H16G20 | GH60H30G20 |
| Total heating capacity          | kW    | 25.2       | 31.2       | 41.0       | 50.8       | 34.9       | 44.7       | 54.5       | 64.0       | 90.0       |
| Heat pump type*                 |       | HPX 06     | HPX 12     | HPX 12     | HPX 12     | HPX 16     | HPX 16     | HPX 16     | HPX 16     | HPX 30     |
| Heating capacity heatpump**     | kW    | 6.0        | 12.0       | 12.0       | 12.0       | 16.0       | 15.7       | 15.7       | 15.7       | 30         |
| Article number heatpump         |       | GHW8000    | GHW8006    | GHW8006    | GHW8006    | GHW8008    | GHW8008    | GHW8008    | GHW8008    | GHW8009    |
| Heating power gas heating       | kW    | 19.2       | 19.2       | 29.0       | 38.8       | 19.2       | 29.0       | 38.8       | 48.3       | 58         |
| Cooling capacity***             | kW    | 6.5        | 12.0       | 12.0       | 12.0       | 15.4       | 15.4       | 15.4       | 15.4       | 31         |
| Air volume (warm)               | m³/h  | 1800       | 4500       | 4500       | 4500       | 6700       | 6700       | 6700       | 6700       | 12000      |
| Max. throw horizontal           | m     | 15         | 20         | 20         | 20         | 25         | 25         | 25         | 25         | 30         |
| Weight (indoor unit)            | kg    | 62         | 120        | 120        | 125        | 145        | 145        | 155        | 160        | 217        |
| Sound level                     | dB(A) | 35-54      | 35-62      | 35-63      | 35-63      | 35-61      | 35-62      | 35-62      | 35-62      | 35-65      |
| Max. flue length                | m     | 9          | 9          | 9          | 9          | 9          | 9          | 9          | 9          | 9          |
| Dimensions (width×height×depth) | cm    | 72x50x81   | 88x67x94   | 88x67x94   | 88x67x94   | 108x67x94  | 108x67x94  | 108x67x94  | 108x67x94  | 128x101x98 |

\*) The QSG indoor unit and outdoor unit (heat pump) must be ordered separately.

\*\*) At a water temperature of 35°C/30°C and a room temperature of 20°C, in accordance with EN 1397.

\*\*\*) At a water temperature of 12°C/17°C, a room temperature of 27°C and 50% RH, in accordance with EN 1397.

### Flue terminals

All QSG units are supplied with a siphon;  
a condensate pump is optional.



Wall terminal CT



Roof terminal DDV



For discharging condensate through the roof (some of the water evaporates) a special flue gas outlet kit including a condensate pump is available.

## Winterwarm HPX Heatpump

Winterwarm offers four efficient HPX air-to-water heat pumps in monobloc design for the QSG.

### Features:

- High COP: >5
- Energy efficiency class A\*\*\*
- No F-gas certification required for installation
- Can be controlled by Smart Controller or BMS



HPX 6, HPX 12 and HPX 16



HPX 30

# Control options

## Control Options

The Smart Controller has been especially developed for the Qwikshift hybrid air heaters. It automatically coordinates the heat pump and booster unit. Users can enter their energy prices, allowing the controller to select the most cost-effective way to reach the desired temperature. A Modbus connection also enables direct integration with a building management system (BMS), providing extensive options for monitoring and retrieving system data.

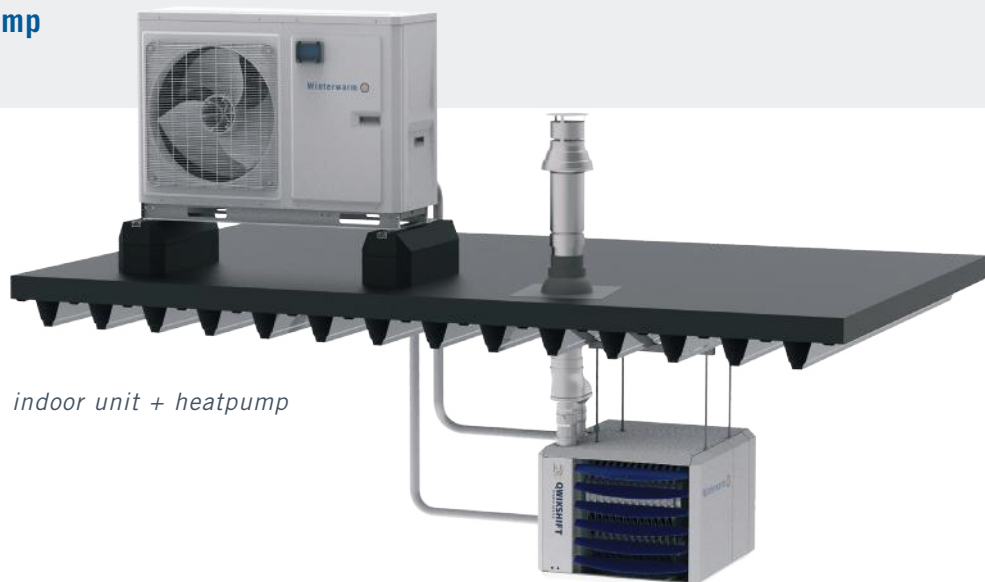


### Winterwarm Smart Controller - article number IW8050

Device control with several smart functions.

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

## QSG with heatpump



*indoor unit + heatpump*

## PRICELIST

### Qwikshift hybrid heater QSG-series

| QSG series | Natural Gas (G20) |             | Propane (G31) |             |
|------------|-------------------|-------------|---------------|-------------|
|            | Price €           | article no. | Price €       | article no. |
| QSG 6+10   | 8335              | GH10H06G20  | 8450          | GH10H06G31  |
| QSG 6+20   | 8910              | GH20H06G20  | 9060          | GH20H06G31  |
| QSG 12+20  | 10070             | GH20H12G20  | 10220         | GH20H12G31  |
| QSG 12+30  | 10650             | GH30H12G20  | 10835         | GH30H12G31  |
| QSG 12+40  | 11805             | GH40H12G20  | 11995         | GH40H12G31  |
| QSG 16+20  | 11365             | GH20H16G20  | 11520         | GH20H16G31  |
| QSG 16+30  | 11945             | GH30H16G20  | 12130         | GH30H16G31  |
| QSG 16+40  | 13100             | GH40H16G20  | 13285         | GH40H16G31  |
| QSG 16+50  | 14260             | GH50H16G20  | 14540         | GH50H16G31  |
| QSG 30+60  | 19490             | GH60H30G20  | 19760         | GH60H30G31  |

### Accessories QSG-series

| DESCRIPTION                                       | Applicable on                           | Price € | article no. |
|---------------------------------------------------|-----------------------------------------|---------|-------------|
| Smart Controller                                  | all QSG types                           | 488     | IW8050      |
| Power isolation switch, 230 V - 400V. 25 A        | all QSG types                           | 86      | IK5282      |
| Suspension brackets U-bracket S (wall suspension) | QSG 6 + 10/20                           | 205     | GA8610      |
| Suspension brackets M (wall suspension)           | QSG 6 + 10/20                           | 214     | GA8580      |
| Suspension brackets L (wall suspension)           | QSG 12 + x<br>QSG 16 + x<br>QSG 30 + 60 | 298     | GA8622      |
| Set vertical louvres (4 pcs.)                     | QSG 6 + 10/20                           | 132     | GX2003      |
| Set vertical louvres (4 pcs.)                     | QSG 12 + 20/30/40                       | 133     | GX4002      |
| Set vertical louvres (5 pcs.)                     | QSG 16 + x                              | 204     | GX6004      |
| Roofterminal DDV 80/125 HR*                       | all QSG types                           | 184     | IA8214      |
| CT 80/125 HR Wall terminal*                       | all QSG types                           | 156     | IA8216      |
| Roof terminal QSG incl. pump/neutralization set*  | all QSG types                           | 1075    | GA8217      |

| HEAT PUMPS                                                                         | Applicable on     | Price € | article no. |
|------------------------------------------------------------------------------------|-------------------|---------|-------------|
| Heat pump HPX 06                                                                   | QSG 6 + 10/20     | 4055    | GHW8000     |
| Heat pump HPX 12                                                                   | QSG 12 + 20/30/40 | 5210    | GHW8006     |
| Heat pump HPX 16                                                                   | QSG 16 + x        | 5650    | GHW8008     |
| Heat pump HPX 30                                                                   | QSG 30 + 60       | 8930    | GHW8009     |
| Roof duct for heat pump ø100mm                                                     | HPX 06-12-16      | 138     | IW8032      |
| Roof duct for heat pump ø140mm                                                     | QSG 30            | 151     | IW8031      |
| Suspension brackets for heat pump incl. vibration dampers (for wall suspension)    | HPX 06-12-16      | 249     | GA8650      |
| Suspension brackets XL for heat pump incl. vibration dampers (for wall suspension) | HPX 30            | 298     | GA8652      |

\* For extra flue material look at page 60.

# Winterwarm HPX

## Characteristics:

- Efficient solution for both heating and cooling
- High COP score: >5
- Energy efficiency class A\*\*\* (EU standard)
- No F-gas qualification required for installation
- Operates at outdoor temperatures from -25°C to +35°C
- Control via Smart Controller or BMS
- Four capacities (6 to 30 kW)



### Efficient heating. Sustainably managed.

The HPX provides a sustainable basis for a range of Winterwarm heating and cooling solutions. This air-to-water heat pump delivers high efficiency for both heating and cooling and is suitable for a wide range of applications. Thanks to its inverter technology and fully modulating compressor, the HPX adjusts its output to match the heat demand. This ensures energy is used efficiently while maintaining high performance.

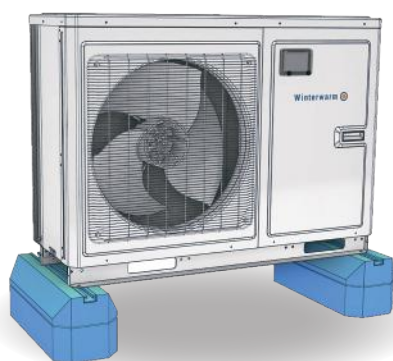


The Winterwarm HPX air-to-water heat pump is an energy-efficient monobloc heat pump for efficient heating and cooling. With a COP of more than 5 and an A+++ (EU standard) energy efficiency class, the HPX delivers maximum efficiency from every kilowatt of electricity. The two-stage compressor and precisely controlled expansion valve ensure fast and efficient heat transfer. Even at outdoor temperatures as low as -25°C, the HPX continues to provide reliable heating.

Thanks to the monobloc design, installation is straightforward: the outdoor unit is fully charged with refrigerant and ready to connect. Integrated components, including the expansion vessel, circulation pump and safety features, provide a complete and reliable solution.

## High efficiency, even at low temperatures

### Installation options



*Heatpump on Big Fots*



*Wall suspension*



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# Emission systems

## Heat emission systems

Combined with the Qwikshift Hybrid Heater, the HPX forms a flexible hybrid system in which the HPX outdoor unit works together with a water coil and an electric or gas-fired booster. The HPX can also be combined with the WWH-LT indirect-fired air heater or the JET air heater, providing an energy-efficient and sustainable heating solution at lower water temperatures.



| Unit types                | Compatible heat pump |
|---------------------------|----------------------|
| QSE 6 + 10/15             | HPX 06               |
| QSE 12 + 15/30            | HPX 12               |
| QSE 16 + 5/10/15/20/30/40 | HPX 16               |



| Unit types           | Compatible heat pump |
|----------------------|----------------------|
| QSG 6 + 10/20        | HPX 06               |
| QSG 12 + 20/30/40    | HPX 12               |
| QSG 16 + 20/30/40/50 | HPX 16               |
| QSG 30 + 60          | HPX 30               |



| Unit types | Compatible heat pump |
|------------|----------------------|
| WWH 110 LT | HPX 06               |
| WWH 220 LT | HPX 12/HPX 16        |
| WWH 330 LT | HPX 16               |
| WWH 340 LT | HPX 30               |



| Unit types | Compatible heat pump |
|------------|----------------------|
| JET 220    | HPX 12               |
| JET 330    | HPX 16               |
| JET 340    | HPX 30               |

## Technical data HPX-series

| Type                                                  | Unit  | HPX 06       | HPX 12       | HPX 16       | HPX30         |
|-------------------------------------------------------|-------|--------------|--------------|--------------|---------------|
| <b>Article number</b>                                 |       | GHW8000      | GHW8006      | GHW8008      | GHW8009       |
| Nominal heating capacity*                             | kW    | 6,0          | 12,0         | 15,7         | 30            |
| Cooling capacity**                                    | kW    | 6,5          | 12,0         | 15,7         | 31            |
| Electrical power input, heating                       | kW    | 1,11         | 2,49         | 3,57         | 6,9           |
| Electrical power input, cooling                       | kW    | 1,28         | 2,61         | 4,05         | 7,56          |
| COP*                                                  |       | 5,41         | 4,82         | 4,40         | 4,35          |
| SCOP                                                  |       | 5,041        | 4,584        | 4,556        | 4,667         |
| Space heating energy efficiency class** (811/2013/EU) |       | A+++         | A+++         | A+++         | A+++          |
| Refrigerant                                           |       | R32          | R32          | R32          | R32           |
| Refrigerant charge                                    | kg    | 0,95         | 2,2          | 2,2          | 5             |
| Net weight                                            | kg    | 90           | 144          | 144          | 261           |
| Electrical current (max.), heating                    | A     | 11,0         | 11,5         | 12,5         | 18,1          |
| Electrical current (max.), cooling                    | A     | 8,0          | 5,0          | 8,5          | 21,7          |
| Maximum sound level, operating                        | db(A) | 58           | 54           | 56           | 58            |
| Air vent + pressure relief valve integrated           |       | yes          | yes          | yes          | yes           |
| Water circulation filter                              |       | yes          | yes          | yes          | yes           |
| Dimensions (wxhxd)                                    | mm    | 1150x735x415 | 1206x878x490 | 1206x878x490 | 1338x1950x580 |

\*) At an outdoor temperature of 7°C and a water temperature of 30/35°C, in accordance with EN 14511.

\*\*) At an outdoor temperature of 35°C and a water temperature of 23/18°C, in accordance with EN 14511.

### Smart technology for long-lasting performance

Smart features such as the automatic defrost cycle and Gold Fin nano-coating on the condenser ensure optimum performance and a long service life, even under demanding conditions. The fully modulating compressor and fan also ensure quiet and energy-efficient operation.

### Available in four output capacities

6 kW, 12 kW, 16 kW and 30 kW.



# Control options

## Control options

The HPX heat pump is controlled via Modbus. The Winterwarm Smart Controller can be used for this, ensuring optimum communication between the outdoor and indoor units.

The heat pump's own control panel is located on the outside of the unit. This makes commissioning and fault diagnosis quick and convenient.



### Winterwarm 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
- Day/night control
- Cooling mode
- Available languages: NL/DE/EN/FR/PL

## Additional control options

**Modbus expansion set – GA8010**

: for connection to a building management system (BMS)

**Power Isolation switch 4-poles, for indoor and outdoor use**

: IP65, 25 A, 230-400 V – IK5282

IP65, 32 A, 400 V – IE5209

## PRICELIST

### Heat pump HPX-series

| HPX series | Heat pump HPX |             |
|------------|---------------|-------------|
|            | Price €       | article no. |
| HPX 06     | 4055          | GHW8000     |
| HPX 12     | 5210          | GHW8006     |
| HPX 16     | 5650          | GHW8008     |
| HPX 30     | 8930          | GHW8009     |

HPX

### Accessories HPX-series\*

| DESCRIPTION                                                                        | Applicable on   | Price € | article no. |
|------------------------------------------------------------------------------------|-----------------|---------|-------------|
| Power Isolation switch 230-400V, 4 poles, 25 A, for indoor and outdoor use         | HPX 06-12-16    | 86      | IK5282      |
| Power Isolation switch 4-poles, 32 A, IP65, for indoor and outdoor use             | HPX 30          | 151     | IE5209      |
| Modbus expansion set                                                               | HPX 06-12-16-30 | 529     | GA8010      |
| Anti-frost valve 1"x 1" (2 pieces required per heat pump)                          | HPX 06-12-16    | 295     | IW8040      |
| Anti-frost valve 1½"x 1½" (2 pieces required per heat pump)                        | HPX 30          | 326     | IW8039      |
| Roof duct for heat pump, ø 100mm                                                   | HPX 06-12-16    | 138     | IW8032      |
| Roofsheets for water pipes, ø 140mm                                                | HPX 30          | 151     | IW8031      |
| Heat pump mounting feet, 2 pcs. + attachments, L=600 - H=95mm                      | HPX 06-12-16    | 122     | IW8043      |
| Heat pump mounting feet, 2 pcs. + attachments, L=1000mm / H=95mm                   | HPX 30          | 134     | IW8036      |
| Rubber block for extra height, 1 pc., L=600mm / H=120mm                            | HPX 06-12-16    | 97      | IW8044      |
| Rubber block for extra height, 1 pc., L=1000mm / H=120mm                           | HPX 30          | 140     | IW8037      |
| Suspension brackets for heat pump incl. vibration dampers (for wall suspension)    | HPX 06-12-16    | 249     | GA8650      |
| Suspension brackets XL for heat pump incl. vibration dampers (for wall suspension) | HPX 30          | 298     | GA8652      |

\*) The HPX comes standard with an expansion vessel (integrated in the heat pump) and a magnetic system filter.



# Winterwarm WWH-LT

## Characteristics:

- 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.



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



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## 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 louvers*



*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 cap. at 7°/12°C, room temp. of 28°C and RH 50%  | kW    | 6.6        | 16.5            | 19.2       | 32.1       |
| Cooling cap. 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 heat pump                                    | HPX   | HPX06      | HPX12/HPX16     | HPX16      | HPX30      |
| Article number heat pump                                |       | GHW8000    | GHW8006/GHW8008 | GHW8008    | GHW8009    |

## 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



# Control options

## 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 room thermostat

- 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.

## PRICELIST

### Heat pump unit heater WWH-LT-series

| WWH-LT series | Low temperature + EC-motor |             | Compatible heat pump |         |             |
|---------------|----------------------------|-------------|----------------------|---------|-------------|
|               | Price €                    | article no. |                      | Price € | article no. |
| WWH 110 LT    | 1785                       | GI110WWLEC  | HPX 06               | 4055    | GHW8000     |
| WWH 220 LT    | 2395                       | GI220WWLEC  | HPX 12               | 5210    | GHW8006     |
| WWH 220 LT    | 2395                       | GI220WWLEC  | HPX 16               | 5650    | GHW8008     |
| WWH 330 LT    | 3435                       | GI330WWLEC  | HPX 16               | 5650    | GHW8008     |
| WWH 340 LT    | 4180                       | GI340WWLEC  | HPX 30               | 8930    | GHW8009     |

### Controls

| DESCRIPTION                                                                                                                | Price € | article no. |
|----------------------------------------------------------------------------------------------------------------------------|---------|-------------|
| Smart Controller                                                                                                           | 488     | IW8050      |
| Room thermostat for EC-control, 230 V.                                                                                     | 54      | IW3961      |
| Connection thermostat                                                                                                      | 50      | IH8500      |
| Stepless speed controller 0-10V                                                                                            | 124     | GA3955      |
| Modbus expansion set                                                                                                       | 529     | GA8010      |
| Zone valve, 230V, 3/4" (2-way)                                                                                             | 570     | GA3980      |
| Condensate pump set incl. siphon adapter, hose connector, hose to waste soil pipe, and 6 m. hose for condensate discharge* | 375     | GX8002      |
| Hose for condensate discharge 30m., ø10mm                                                                                  | 66      | IK5785      |

\*) siphon not included

### Accessories WWH-LT-series

| DESCRIPTION                                                      | Applicable on WWH LT | Price € | article no. |
|------------------------------------------------------------------|----------------------|---------|-------------|
| Wall brackets                                                    | all units            | 88      | GA8595      |
| Ceiling suspension set (do not apply in situations with cooling) | all units            | 84      | GA8600-2    |
| Suspension brackets U-bracket S (wall- or ceiling suspension)    | WWH 110 LT           | 205     | GA8610      |
| Suspension brackets U-bracket M (wall- or ceiling suspension)    | WWH 220 LT           | 228     | GA8620      |
| 4-way down flow plenum (do not apply in situations with cooling) | WWH 110 LT           | 154     | GA120WW-1   |
| 4-way down flow plenum (do not apply in situations with cooling) | WWH 220 LT           | 188     | GA245WW-2   |
| 4-way down flow plenum (do not apply in situations with cooling) | WWH 330-340 LT       | 237     | GA380WW-2   |
| Set vertical louvres (5 pcs.)                                    | WWH 110 LT           | 83      | GA110VS     |
| Set vertical louvres (6 pcs.)                                    | WWH 220 LT           | 110     | GA220VS     |
| Set vertical louvres (6 pcs.)                                    | WWH 330-340 LT       | 132     | GA340VS     |

# Winterwarm WWH

## Characteristics:

- 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



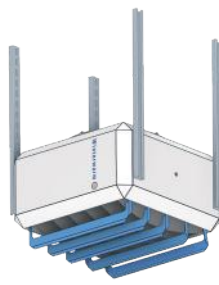
*Wall suspension*



*Wall suspension*



*Cantilever brackets M*



*Ceiling suspension set*



*Suspension brackets  
U-bracket S and M*



*Threaded rod suspension*



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## 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 |

# Control options

## 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

Roomthermostat to control the standard WWH heaters

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



### Room thermostat on/off for EC - article number IW3961

Roomthermostat 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 × 1.5 V AA batteries



### Connection Thermostat - article number IH8500

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

## PRICELIST

### Water supplied unit heater WWH and WWH-EC-series

| WWH series | Standaard |             | WWH-EC series | EC-ventilator |             |
|------------|-----------|-------------|---------------|---------------|-------------|
|            | Price €   | article no. |               | Price €       | article no. |
| WWH 110    | 840       | GI122LWW    | WWH 115 EC    | 1220          | GI122HWWEC  |
| WWH 115    | 925       | GI122HWW    | WWH 120 EC    | 1410          | GI123HWWEC  |
| WWH 120    | 1075      | GI123HWW    | WWH 235 EC    | 2060          | GI162HWWEC  |
| WWH 230    | 1295      | GI162LWW    | WWH 245 EC    | 2390          | GI163HWWEC  |
| WWH 235    | 1410      | GI162HWW    | WWH 350 EC    | 2580          | GI202LWWEC  |
| WWH 245    | 1635      | GI163HWW    | WWH 365 EC    | 2765          | GI202LWWEC  |
| WWH 350    | 1780      | GI202LWW    | WWH 380 EC    | 2975          | GI203LWWEC  |

### Controls

| WWH                                     | Price € | article no. |
|-----------------------------------------|---------|-------------|
| Room thermostat on/off 230V, 10 A, IP30 | 55      | IW3950      |
| Clock thermostat 230V, 10 A             | 402     | IW3968      |
| Connection thermostat                   | 50      | IH8500      |
| Zone valve, 230V, 3/4" (2-way)          | 570     | GA3980      |
| 5-step switch 2.2 A                     | 324     | IA8540      |
| 5-step switch 3.5 A                     | 336     | IA8542      |
| 5-step switch 5 A                       | 368     | IA8543      |
| 5-step switch 8 A                       | 487     | IA8544      |
| 5-step switch 11 A                      | 626     | IA8515      |
| 5-step switch 15 A                      | 1015    | IA8516      |

| WWH-EC                                 | Price € | article no. |
|----------------------------------------|---------|-------------|
| Room thermostat for EC-control, 230 V. | 54      | IW3961      |
| Clock thermostat 230V, 10 A            | 402     | IW3968      |
| Connection thermostat                  | 50      | IH8500      |
| Zone valve, 230V, 3/4" (2-way)         | 570     | GA3980      |
| Stepless speed controller 0-10V        | 124     | GA3955      |

### Accessories WWH and WWH-EC-series

| DESCRIPTION                                                   | Applicable on WWH | Applicable on WWH EC | Price € | article no. |
|---------------------------------------------------------------|-------------------|----------------------|---------|-------------|
| Wall brackets                                                 | all units         | all units            | 88      | GA8595      |
| Ceiling suspension set                                        | all units         | all units            | 79      | GA8600      |
| Suspension brackets U-bracket S (wall- or ceiling suspension) | WWH 110-120       | WWH 115-120 EC       | 205     | GA8610      |
| Suspension brackets U-bracket M (wall- or ceiling suspension) | WWH 230-245       | WWH 235-245 EC       | 228     | GA8620      |
| 4-way down flow plenum                                        | WWH 110-120       | WWH 115-120 EC       | 154     | GA120WW-1   |
| 4-way down flow plenum                                        | WWH 230-245       | WWH 235-245 EC       | 188     | GA245WW-1   |
| 4-way down flow plenum                                        | WWH 350           | WWH 350-380 EC       | 237     | GA380WW-1   |
| Set vertical louvres (5 pcs.)                                 | WWH 110-120       | WWH 115-120 EC       | 83      | GA120VS-1   |
| Set vertical louvres (6 pcs.)                                 | WWH 230-245       | WWH 235-245 EC       | 110     | GA245VS-1   |
| Set vertical louvres (6 pcs.)                                 | WWH 350           | WWH 350-380 EC       | 132     | GA380VS-1   |

# Winterwarm JET

## Characteristics:

- All-electric industrial hall heating
- Applicable in high areas with 5 to 15 m height
- Operates with low water temperatures
- Up to 30% energy savings
- No extra recirculation fans needed
- Reduces heat loss through the ceiling
- Suitable for use with various types of heat pumps
- Conical nozzles with induction of air for more air recirculation



## All-electric heating for high commercial spaces

The Winterwarm JET has been developed for the sustainable heating of high halls. Combined with a heat pump, the system provides a fully electric heating solution that delivers optimum performance at low water temperatures.

The specially developed discharge module directs the warm air downwards and spreads it efficiently in four directions. The warm air reaches the working area effortlessly, even from considerable heights. This creates a comfortable working environment with lower energy consumption and reduced CO<sub>2</sub> emissions.



Efficiently heating high industrial buildings, warehouses and logistics centres is often a challenge. Warm air naturally rises and collects beneath the roof, while comfort is needed at working height. The Winterwarm JET has been specially developed for halls approximately 5 to 15 metres high and actively transports heat downwards to where it is needed.

Thanks to the unique combination of low-temperature heating, powerful air circulation and intelligent control, the temperature difference between floor level and ceiling is kept to a minimum. This results in an even temperature distribution, reduced heat loss through the roof and significantly lower energy consumption.

## Comfort down to floor level!

### Installation options



*JET 340 M incl.  
Modbus router*



*JET 220 M and  
JET 330 M incl.  
Modbus router*



*JET 220/330/340 S  
incl. 0-10 V plug*

### JET with heat pump



*The JET 340 S and M are supplied as standard with a power isolation switch due to their 3-phase connection.*



**Want to know more?**  
**Visit [www.winterwarm.com](http://www.winterwarm.com)**  
**or scan the QR code!**

## How does the JET work?

The Winterwarm JET is a heat pump air heater designed for application in combination with a heat pump or another low-temperature heat source (such as district heating or a low-temperature boiler system). As a heat pump, you can choose a Winterwarm HPX heat pump or another standard heat pump with Modbus protocol.

### Inducing airflow

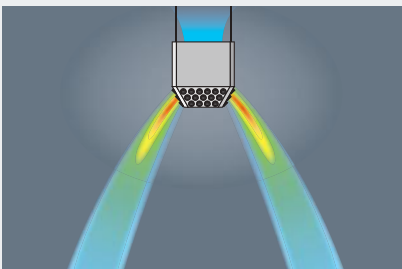
The low discharge air temperature is precisely what enables an air throw of up to 15 metres. The specially developed discharge module is fitted with conical nozzles. These nozzles create a powerful airflow with a high level of induction. This means that not only the discharged air is distributed, but also a much larger volume of surrounding air is drawn into the air circulation. This prevents heat accumulation beneath the roof and ensures that available heat is used efficiently.

### Save energy

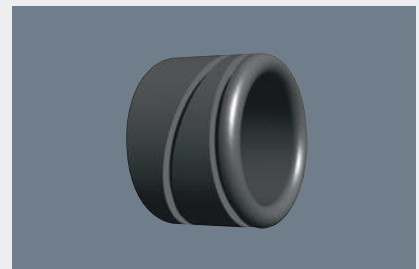
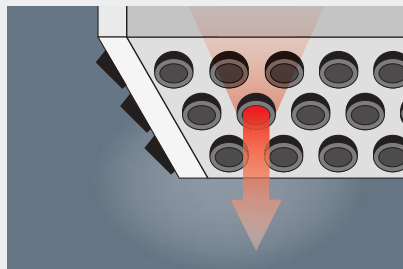
Thanks to the strong air circulation, additional ceiling fans are no longer required. Heat that accumulates underneath the roof is efficiently recovered through the integrated delta T-control, already resulting in significant energy savings. By reducing the temperature difference between floor level and ceiling, heat loss is minimised, leading to lower energy consumption. In addition, JET air heaters are equipped as standard with EC fans with low electrical consumption.

### A comfortable working environment

A consistent and comfortable indoor climate is created as the discharge module distributes warm air in four directions. The adjustable nozzles allow the airflow pattern to be tailored to the specific building layout, ensuring that heat is delivered exactly where it is needed. For optimum system control, the Winterwarm Smart Controller offers additional options for energy-efficient and effective operation.



*Operation of the nozzles*



## Technical data JET series

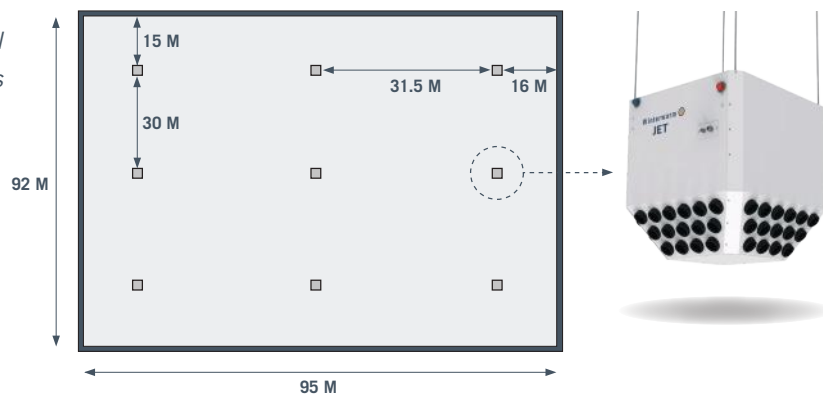
| Type                                                  | Unit  | JET220       | JET330       | JET340       |
|-------------------------------------------------------|-------|--------------|--------------|--------------|
| Article number model JET-S, standard                  |       | GJ220BWWS    | GJ330BWWS    | GJ340BWWS    |
| Article number model JET-M, including modbusrouter    |       | GJ220BWWM    | GJ330BWWM    | GJ340BWWM    |
| Max. heat emission (45°/40°C), room temperature 15°C  | kW    | 22.9         | 33.7         | 44.7         |
| Max. heat emission (35°/30°C), room temperature 15°C  | kW    | 14.0         | 20.6         | 27.3         |
| Maximum air volume                                    | m³/h  | 4200         | 5500         | 8000         |
| Maximum throw vertical                                | m     | 12           | 14           | 16           |
| Connection voltage                                    |       | 230V (1F+N)  | 230V (1F+N)  | 400V (3F+N)  |
| Sound level (@ 5 m height)                            | dB(A) | 47-63        | 47-63        | 47-63        |
| Recommended mounting height (floor to bottom of unit) | m     | 7-10         | 9-14         | 10-15        |
| Power isolation switch in heater                      |       | no           | no           | yes          |
| Dimensions (width × height × depth)                   | cm    | 70 x 82 x 70 | 87 x 92 x 87 | 87 x 92 x 87 |

## Heating capacity at various water temperatures

In situations where different inlet and outlet water temperatures apply, use underneath table. Multiply the heater's specified heating capacity by the corresponding factor from the table below. Lower water temperatures are not advised due to risk of condensation; the JET is not suitable for cooling.

| Air temperature          | 0°C  | 5°C  | 10°C | 15°C | 18°C | 20°C |
|--------------------------|------|------|------|------|------|------|
| <b>Water temperature</b> |      |      |      |      |      |      |
| 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 |

Example layout of a hall  
with JET air heaters



# Control options

## Control options

**The JET series is available in two versions:**

JET-M models come fitted with a Modbus router (Modbus RTU) as standard. This allows you to control the units directly via a building management system or using the Winterwarm Smart Controller, even in combination with other Winterwarm unit air heaters. For the JET-S models a simple 0–10 V thermostat or 0–10 V controller is sufficient for control.

### JET-M



**Winterwarm Smart Controller (article number IW8050)**

- Modbus connection
- Wifi control
- Self-learning for cost efficient heating
- Max. 4 heaters per controller
- External sensor possible
- Setting and read-out possibility per heater
- Day/night control
- Available languages: NL/DE/EN/FR/PL

### JET-S



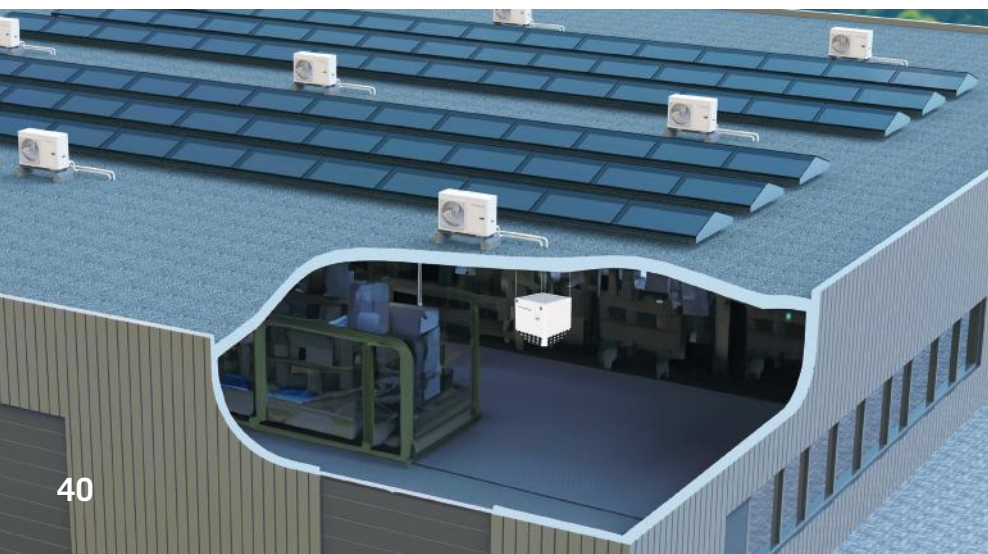
**Room thermostat on/off for EC (article number IW3961)**

Basic room thermostat to control the JET-S

- Temperature range 5°-30°C
- IP30
- 230 V, 50Hz
- suitable for heaters with EC-fan, switching range 10mA-200mA

**Speed controller (article number GA3955)**

Stepless speed control of air volume



## PRICELIST

### Heat pump unit heater JET-series

| JET<br>series S | Standard |             | JET<br>series M | Incl. modbus router |             |
|-----------------|----------|-------------|-----------------|---------------------|-------------|
|                 | Price €  | article no. |                 | Price €             | article no. |
| JET 220 S       | 3995     | GJ220BWWS   | JET 220 M       | 4500                | GJ220BWWM   |
| JET 330 S       | 4960     | GJ330BWWS   | JET 330 M       | 5490                | GJ330BWWM   |
| JET 340 S       | 5735     | GJ340BWWS   | JET 340 M       | 6265                | GJ340BWWM   |

JET

### Accessories JET-series

| CONTROLS                                                                               | Price € | article no. |
|----------------------------------------------------------------------------------------|---------|-------------|
| Stepless speed controller 0-10V                                                        | 124     | GA3955      |
| Smart Controller                                                                       | 488     | IW8050      |
| Modbus expansion set (Note: the JET-M comes standard with an integrated Modbus router) | 529     | GA8010      |
| Room thermostat for EC-control, 230 V.                                                 | 54      | IW3961      |
| Connection thermostat                                                                  | 50      | IH8500      |

### Compatible heat pumps

| DESCRIPTION               |        | Price € | article no. |
|---------------------------|--------|---------|-------------|
| JET 220 M/S               | HPX 12 | 5210    | GHW8006     |
| JET 220 M/S - JET 330 M/S | HPX 16 | 5650    | GHW8008     |
| JET 340 M/S               | HPX 30 | 8930    | GHW8009     |

# Winterwarm EH

## Characteristics:

- 100% efficiency
- Sustainable heating
- 0% CO<sub>2</sub> emissions
- Variable heating capacity
- Efficient space heating
- Modulating fan
- Simple installation



## Sustainable heating without gas

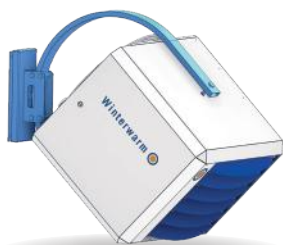
The drive towards more sustainable commercial buildings, moving away from natural gas as the main fuel for heating, are making electric air heating increasingly relevant. With the EH series, you can heat electrically without relying on fossil fuels. Especially when combined with PV installations, this is a future-proof solution that perfectly supports the energy transition and the desire to make use of generated solar or wind energy. Electric heating does, however, require a sufficiently robust power supply. It is therefore important to assess in advance whether adequate amperage is available on site and whether grid congestion could become an issue.

The Winterwarm EH is an electric air heater designed for the efficient heating of industrial halls, warehouses and other commercial spaces. This form of heating is characterised by rapid heat-up times and an even distribution of heat throughout the building, increasing comfort while helping to reduce energy consumption.

The Winterwarm EH offers flexible application possibilities, whether as the primary heating system in all-electric buildings or as supplementary heating in hybrid installations. High efficiency, straightforward installation and low investment costs make the EH an attractive heating solution for a wide range of applications. Air heating delivers heat exactly where it is needed, without the slow response times associated with water-based heating systems.

## Flexible installation and fast heat-up!

### Installation options



*Design suspension  
(wall suspension, max. 45°)*



*Design suspension  
(wall suspension)*



*Suspension brackets S and M  
(wall suspension)*



*Suspension using threaded bar  
(ceiling suspension)*



*Cantilever brackets M  
(wall suspension)*



*Cantilever brackets M  
(wall suspension)*



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**or scan the QR code!**

## How does the EH air heater work?

The Winterwarm EH converts electrical energy directly into heat and distributes it through the room using a fan. Thanks to the combination of a powerful two-stage fan and a carefully designed unit, the warm air is evenly distributed, ensuring a stable temperature and lower energy consumption.

### Sustainable heating

With 100% efficiency, all generated heat is effectively delivered to the room. The integrated delta T-control first makes use of the warm air already present beneath the ceiling. Only when this is insufficient to reach the desired room temperature does the electric heating element switch on. The two-stage control also adjusts automatically: once the set temperature has been reached, the unit switches to a lower output and reduced ventilation speed to prevent draughts and maintain comfort.

### Installation and mounting

Thanks to the flexible suspension system, with a choice of three types of brackets and the option of angled discharge (up to 45°), the unit can be installed in almost any location. The unit can be wall-mounted using brackets or suspended from the ceiling using threaded bar. The horizontal louvres are adjustable, while vertical louvres are available as an option for more directed airflow. A power supply capable of delivering sufficient current is essential. The standard connection is 400 V, while the EH 5 and EH 10 can also be connected to a 230 V supply.



*WCU air-circulation unit for improved heat distribution*



*vertical louvres*



## Technical data EH-series

| Type                                  | Unit  | EH 5     | EH 10    | EH 15    | EH 20    | EH 25    | EH 30    | EH 40    | EH 50    | EH 60    |
|---------------------------------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Article number                        |       | GE05A0WW | GE10A0WW | GE15A0WW | GE20A0WW | GE25A0WW | GE30A0WW | GE40A0WW | GE50A0WW | GE60A0WW |
| Heating capacity                      | kW    | 5.0      | 9.9      | 15.0     | 19.8     | 24.9     | 29.7     | 39.6     | 49.5     | 59.4     |
| Maximum electrical current per phase* | A     | 11.9     | 15.5     | 22.9     | 31.0     | 37.2     | 44.2     | 59.0     | 73.9     | 88.4     |
| Maximum air output (warm)             | m³/h  | 3100     | 3100     | 3100     | 3100     | 3000     | 3000     | 4400     | 6000     | 6000     |
| Throw                                 | m     | 23       | 23       | 23       | 23       | 22       | 22       | 28       | 30       | 30       |
| Sound level (@ 5 meter)               | dB(A) | 55-58    | 55-58    | 55-58    | 55-58    | 55-58    | 55-58    | 57-60    | 62-65    | 62-65    |
| Weight                                | kg    | 24       | 25       | 26       | 26       | 28       | 30       | 34       | 70       | 70       |
| Dimensions (wxhxd)                    | cm    | 57x49x52 | 57x49x52 | 57x49x52 | 57x49x52 | 57x49x52 | 57x49x52 | 65X49X66 | 83x67x63 | 83x67x63 |

\*) Standard: 3-phase connection; EH 5 and EH 10 are also suitable for 1-phase connection



# Control options

## Control Options

The MultiTherm Standard and MultiTherm Comfort thermostats optimize the operation of EH 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
- 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**

**MTS Thermostat – IX3911**

**0-10 V. Control Set – GA5906**

**External Alarm Signal Set – GA4009**

**Room thermostat, on/off – IW3950**

**Power Isolation switch, 4 poles, IP65**

: enables integration with a building management system (BMS).

: on/off thermostat with extra functions.

: allows regulation via a 0-10V signal without temperature measurement.

: adds an external alarm output.

: Simple on/off roomthermostat, 230 V. 10 Amp.

: 25 Amp., 230-400 V – IK5282

63 Amp., 400 V – IE5210

125 Amp., 400V – IE5212

## PRICELIST

### Electric warm-air heater EH-series

| EH series | Price € | article no. |
|-----------|---------|-------------|
| EH 5      | 1235    | GE05A0WW    |
| EH 10     | 1600    | GE10A0WW    |
| EH 15     | 1885    | GE15A0WW    |
| EH 20     | 2010    | GE20A0WW    |
| EH 25     | 2395    | GE25A0WW    |
| EH 30     | 2655    | GE30A0WW    |
| EH 40     | 3010    | GE40A0WW    |
| EH 50     | 3585    | GE50A0WW    |
| EH 60     | 4135    | GE60A0WW    |

### Accessories EH-series

| CONTROLS                                                 | Applicable on | Price € | article no. |
|----------------------------------------------------------|---------------|---------|-------------|
| Smart Controller                                         | EH 5 - EH 60  | 488     | IW8050      |
| Thermostat Multitherm Standard, controls up to 8 heaters | EH 5 - EH 60  | 189     | IX3911      |
| Thermostat Multitherm Comfort, controls up to 8 heaters  | EH 5 - EH 60  | 382     | IX3912      |
| Remote sensor for MTC thermostat                         | EH 5 - EH 60  | 141     | GA3929      |
| Modbus control set                                       | EH 5 - EH 60  | 76      | GA5903      |
| 0-10 V input control set                                 | EH 5 - EH 60  | 76      | GA5906      |
| Room thermostat on/off 230V, 10 A, IP30                  | EH 5 - EH 60  | 52      | IW3950      |
| Power isolation switch 230V - 400V, 25 A                 | EH 5 - EH 15  | 86      | IK5282      |
| Power isolation switch 400 V, 32 A                       | EH 20         | 151     | IE5209      |
| Power isolation switch 400V, 63 A                        | EH 25 - EH40  | 225     | IE5210      |
| Power isolation switch 400 V, 125 A                      | EH 50 - EH 60 | 592     | IE5212      |

| SUSPENSION                                                            | Applicable on | Price € | article no. |
|-----------------------------------------------------------------------|---------------|---------|-------------|
| Suspension brackets U-bracket S (wall suspension)                     | EH 5 - EH 40  | 195     | GA8610      |
| Suspension brackets U-bracket M (wall suspension)                     | EH 50 - EH 60 | 217     | GA8620      |
| Suspension brackets M (wall suspension)                               | EH 50 - EH 60 | 204     | GA8580      |
| Mounting set console for on H-beam (in combination with GA8610/20/30) | EH 5 - EH 40  | 148     | GA8680      |
| Clampset for mounting to H-profile (combined with GA8580)             | EH 50 - EH 60 | 382     | GA8685      |
| Design bracket (wall suspension)                                      | EH 5 - EH 40  | 301     | GA8630      |
| Set vertical louvres (4 pcs.)                                         | EH 5 - EH 40  | 132     | GX2002      |
| Set vertical louvres (4 pcs.)                                         | EH 50 - EH 60 | 167     | GX4003      |

# Winterwarm HR

## Characteristics:

- 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.



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.

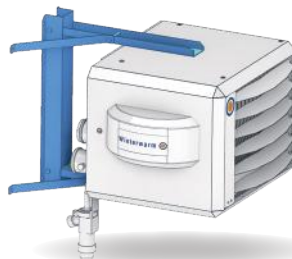
A high-efficiency air heater is also much more sustainable than conventional gas-fired air heaters. When comparing energy consumption, comfort, and investment costs, the Winterwarm HR series is often the preferred choice for heating large spaces.

# 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*



**Want to know more?**  
**Visit [www.winterwarm.com](http://www.winterwarm.com)**  
**or scan the QR code!**

## 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     |

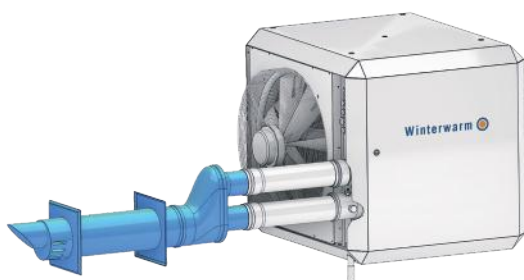
## Aanvullende technische gegevens HR-EC

|                                | 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

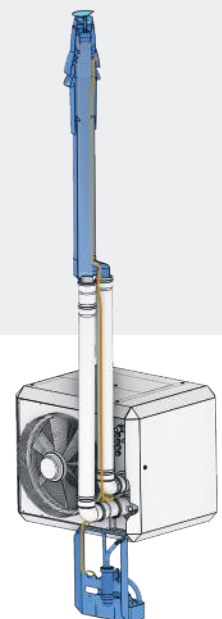
The unit is supplied complete with a siphon for the drainage of condensate water, preferably via the sewer system. For drainage via the flue gas system (where the water partially evaporates), a special flue gas discharge kit including a condensate pump is available.



Wall terminal CT HR 10 - HR 120



Roof terminal DDV HR 10 - HR 120



Evaporation possible via the roof terminal

# Control options

## 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
- 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

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

## PRICELIST

### Condensing unit air heater HR & HR-EC-series

| HR series | Natural Gas (G20) |             | Propane (G31) |             |
|-----------|-------------------|-------------|---------------|-------------|
|           | Price €           | article no. | Price €       | article no. |
| HR 10     | 3780              | GM10AAG20   | 3895          | GM10AAG31   |
| HR 20     | 4245              | GM20AAG20   | 4395          | GM20AAG31   |
| HR 30     | 4820              | GM30AAG20   | 5000          | GM30AAG31   |
| HR 40     | 5860              | GM40AAG20   | 6040          | GM40AAG31   |
| HR 50     | 6635              | GM50AAG20   | 6920          | GM50AAG31   |
| HR 60     | 7515              | GM60AAG20   | 7795          | GM60AAG31   |
| HR 80     | 7920              | GM80AAG20   | 8020          | GM80AAG31   |
| HR 100    | 9760              | GM03AAG20   | 9855          | GM03AAG31   |
| HR 120    | 11530             | GM04AAG20   | 11625         | GM04AAG31   |

| HR-EC series | Natural Gas (G20) |             | Propane (G31) |             |
|--------------|-------------------|-------------|---------------|-------------|
|              | Price €           | article no. | Price €       | article no. |
| HR 10 EC     | 4325              | GM10AAG20EC | 4440          | GM10AAG31EC |
| HR 20 EC     | 4810              | GM20AAG20EC | 4955          | GM20AAG31EC |
| HR 30 EC     | 5370              | GM30AAG20EC | 5570          | GM30AAG31EC |
| HR 40 EC     | 6430              | GM40AAG20EC | 6635          | GM40AAG31EC |
| HR 50 EC     | 7360              | GM50AAG20EC | 7635          | GM50AAG31EC |
| HR 60 EC     | 8335              | GM60AAG20EC | 8625          | GM60AAG31EC |
| HR 80 EC     | 9280              | GM80AAG20EC | 9440          | GM80AAG31EC |
| HR 100 EC    | 11205             | GM03AAG20EC | 11350         | GM03AAG31EC |
| HR 120 EC    | 13085             | GM04AAG20EC | 13235         | GM04AAG31EC |

### Accessories HR & HR-EC-series

| CONTROLS                                                | Applicable on | Price € | article no. |
|---------------------------------------------------------|---------------|---------|-------------|
| Smart Controller                                        | HR10 - HR120  | 488     | IW8050      |
| Thermostat Multitherm Standard controls up to 8 heaters | HR10 - HR120  | 198     | IX3911      |
| Thermostat Multitherm Comfort controls up to 8 heaters  | HR10 - HR120  | 382     | IX3912      |
| Remote sensor for MTC thermostat                        | HR10 - HR120  | 148     | GA3929      |
| Modbus control set                                      | HR10 - HR120  | 80      | GA5903      |
| 0-10 V input control set                                | HR10 - HR120  | 80      | GA5906      |
| Power isolation switch 230V-400V, 25 A                  | HR10 - HR120  | 86      | IK5282      |
| Service set alarm contact                               | HR10 - HR120  | 30      | GA4009      |
| Service set alarm-reset                                 | HR10 - HR120  | 149     | GA4012      |

| FLUE MATERIALS                                | Applicable on | Price € | article no. |
|-----------------------------------------------|---------------|---------|-------------|
| Roof terminal 80/125 HR                       | HR10 - HR60   | 184     | IA8214      |
| CT 80/125 HR Wall terminal                    | HR10 - HR60   | 156     | IA8216      |
| Concentric roof terminal 100/150 (condensing) | HR80 - HR100  | 416     | IA8108      |
| Concentric wall terminal 100/150 (condensing) | HR80 - HR100  | 270     | IA8114      |
| Roof terminal DDV 130/200 HR                  | HR120         | 663     | IA8307      |
| Wall terminal CT 130/200 HR                   | HR120         | 500     | IA8314      |

| CONDENSATE DISCHARGE through the roof                   | Applicable on | Price € | article no. |
|---------------------------------------------------------|---------------|---------|-------------|
| Roof terminal incl. pump/neutralization set 80/125 HR   | HR10 - HR20   | 929     | GA8215      |
| Roof terminal incl. pump/neutralization set, 80/125 HR  | HR30-60       | 982     | GA8216      |
| Roof terminal incl. pump/neutralization set, 100/150 HR | HR80 - HR100  | 1087    | GA8109      |
| Roof terminal incl. pump/neutralization set, 130/200 HR | HR120         | 1407    | GA8308      |

| SUSPENSION                                                            | Applicable on | Price € | article no. |
|-----------------------------------------------------------------------|---------------|---------|-------------|
| Suspension brackets U-bracket S (wall suspension)                     | HR10 - HR20   | 205     | GA8610      |
| Suspension brackets U-bracket M (wall suspension)                     | HR30 - HR40   | 228     | GA8620      |
| Mounting set console for on H-beam (in combination with GA8610/20/30) | HR10 - HR40   | 148     | GA8680      |
| Mounting set on H-beam (in combination with GA8580)                   | HR30 - HR60   | 382     | GA8685      |
| Suspension brackets M (wall suspension)                               | HR30 - HR60   | 214     | GA8580      |
| Suspension brackets L (wall suspension)                               | HR80 - HR120  | 298     | GA8622      |
| Design bracket (wall suspension)                                      | HR10 - HR20   | 316     | GA8630      |

| OTHER                                                                                                                     | Applicable on | Price € | article no. |
|---------------------------------------------------------------------------------------------------------------------------|---------------|---------|-------------|
| Set vertical louveres (4 pcs.)                                                                                            | HR10 - HR20   | 132     | GX2001      |
| Set vertical louveres (4 pcs.)                                                                                            | HR30 - HR40   | 167     | GX4001      |
| Set vertical louveres (6 pcs.)                                                                                            | HR50 - HR60   | 204     | GX6002      |
| Set vertical louveres (6 pcs.)                                                                                            | HR80 - HR120  | 217     | GX8010      |
| Condensate pump set incl. sifon adapter, hose connector, hose to waste soil pipe, and 6 m. hose for condensate discharge* | HR10 - HR120  | 375     | GX8002      |
| Hose for condensate discharge 30m., Ø 10mm                                                                                | HR10 - HR120  | 66      | IK5785      |
| Fanbox HR for outside air entry, incl. connection piece and 2 dampers                                                     | HR30 - HR60   | 1065    | GAX60110    |
| Servomotor 220V for dampers on fanbox                                                                                     | HR30 - HR60   | 730     | IK4800      |
| Remote step control for servomotor                                                                                        | HR30 - HR60   | 288     | GA4801      |

\*) siphon not included

\* For extra flue material look at page 60

# Winterwarm XR+

## Characteristics:

- Improved efficiency
- Quick warm up
- Delta-T control
- Variable airflow, also vertical (XR 10+-60+)
- Airlift effect
- No condensate drain necessary
- 10-year heat exchanger warranty
- Reliable design
- Relatively low investment



## Versatile and powerful

Whether it is a retail store or a large industrial hall, there is a suitable XR+ air heater for every space. Output ranges from 10 kW to 120 kW. In the XR 80+, XR 100+ and XR 120+, four powerful fans ensure that warm air is distributed deep into the space. There is no risk of condensation, so a condensate drain is not required, a major advantage during installation. From a cost perspective, the XR+ is also an attractive choice.



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

The XR+ has built up a strong reputation over many years: easy to use for the end user, reliable in operation, and simple to install for installers. Where purchase and installation costs are an important factor, the Winterwarm XR+ series is the ideal choice.

## Versatile and reliable!

### Installation options



*Suspension brackets S and M  
(wall or ceiling suspension)*



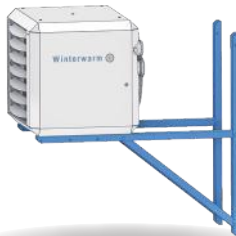
*Suspension brackets S and M  
(wall or ceiling suspension)*



*Design suspension  
(wall or ceiling suspension)*



*Vertical suspension set 80-165cm*



*Cantilever brackets M and L*



*Cantilever brackets M and L*



**Want to know more?**  
**Visit [www.winterwarm.com](http://www.winterwarm.com)**  
**or scan the QR code!**



## How does the XR+ air heater work?

The Winterwarm XR+ is a smart gas-fired air heater that ensures even and efficient heat distribution. The specially designed stainless steel heat exchanger guarantees optimal heat transfer. Thanks to its compact and lightweight design, the smaller models are ideal for shops, workshops and other smaller spaces.

### Flexible installation

The XR10+ through to XR60+ can be installed in almost any position, allowing diagonal or vertical air discharge. This means the airflow can be precisely directed to the required area. When installed for downward discharge, the unit also functions as a ceiling fan, reducing heat loss through the roof and improving energy efficiency.

### Smart energy saving

The XR+ is equipped with an advanced delta T-control. Temperature sensors continuously measure the difference between floor and ceiling. When warm air accumulates at high level, the fan automatically activates to recirculate it back into the occupied zone. This helps retain heat more effectively and reduces gas consumption.

### Effective air distribution

The XR+'s unique discharge pattern creates a strong air-lift effect, ensuring wide coverage and an even distribution of warm air throughout the space. When air is directed towards a wall or racking, the throw can easily be reduced by 30% using vertical louvres on the discharge grille.



## Technical data XR+-series

| Type                                | Unit  | XR 10+    | XR 20+    | XR 30+    | XR 40+    | XR 50+    | XR 60+    | XR 80+    | XR 100+   | XR 120+   |
|-------------------------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Article number natural gas          |       | GN10AAG20 | GN20AAG20 | GN30AAG20 | GN40AAG20 | GN50AAG20 | GN60AAG20 | GN80AAG20 | GN03AAG20 | GN04AAG20 |
| Article number propane gas          |       | GN10AAG31 | GN20AAG31 | GN30AAG31 | GN40AAG31 | GN50AAG31 | GN60AAG31 | GN80AAG31 | GN03AAG31 | GN04AAG31 |
| Nominal heat input max. (h.i.)      | kW    | 14.0      | 22.8      | 32.0      | 44.0      | 55.0      | 66.0      | 72.0      | 91.0      | 111.0     |
| Maximum heat output                 | kW    | 12.7      | 20.7      | 28.9      | 41.1      | 50.7      | 61.2      | 68.6      | 86.9      | 105.6     |
| Air output (warm)                   | m³/h  | 2750      | 4000      | 4200      | 5400      | 8000      | 8000      | 10200     | 10700     | 13000     |
| Throw horizontal                    | m     | 22        | 30        | 31        | 32        | 46        | 30        | 38        | 40        | 43        |
| Throw vertical (warm)               | m     | 5         | 7         | 7         | 8         | 11        | 8         | N/A       | N/A       | N/A       |
| Sound level @ 5 meter)              | dB(A) | 54-56     | 56-58     | 56-59     | 54-59     | 58-64     | 58-64     | 58-62     | 58-62     | 58-62     |
| Weight                              | kg    | 46        | 50        | 53        | 78        | 86        | 82        | 185       | 195       | 215       |
| Min. suspension height vert.throw   | m     | 4         | 4         | 4         | 5         | 6         | 6         | n.v.t.    | N/A       | N/A       |
| Max. length flue horizontal, throw* | m     | 6         | 6         | 6         | 8         | 8         | 8         | 9         | 9         | 9         |
| Max. length flue vertical, throw*   | m     | 2         | 2         | 2         | 2         | 2         | 2         | N/A       | N/A       | N/A       |
| Dimensions, height                  | mm    | 495       | 495       | 495       | 670       | 670       | 670       | 1040      | 1040      | 1040      |
| Dimensions, width                   | mm    | 755       | 755       | 755       | 795       | 795       | 795       | 1135      | 1135      | 1135      |
| Dimensions, depth                   | mm    | 615       | 615       | 615       | 795       | 795       | 795       | 1090      | 1090      | 1280      |

\*) for each 90° elbow, 2m. less; for each 45° elbow, 1 m. less. Condensation exhaust necessary when flue > 4m

## Flue terminals



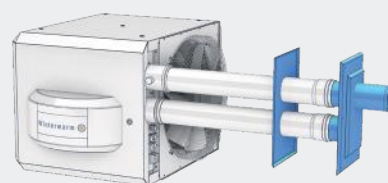
Roof terminal DDV  
XR10+ - XR120+



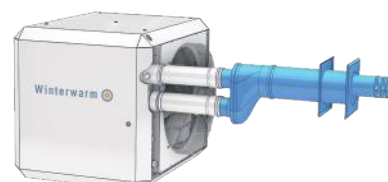
XR10+ - XR60+



XR10+ - XR30+



Wall terminal MDV XR10+ - XR30+



Wall terminal CT XR10+ - XR120+

# Control options

## Control Options

The MultiTherm Standard and MultiTherm Comfort thermostats optimize the operation of XR+ 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
- 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.

### Power Isolation Switch – IK5282

: to be able to switch off the current during maintenance (strongly recommended).

## PRICELIST

### Indirect fired unit air heater XR+-series

| XR+ series | Natural Gas (G20) |             | Propane (G31) |             |
|------------|-------------------|-------------|---------------|-------------|
|            | Price €           | article no. | Price €       | article no. |
| XR10+      | 3035              | GN10AAG20   | 3120          | GN10AAG31   |
| XR20+      | 3390              | GN20AAG20   | 3545          | GN20AAG31   |
| XR30+      | 3850              | GN30AAG20   | 4060          | GN30AAG31   |
| XR40+      | 4720              | GN40AAG20   | 4860          | GN40AAG31   |
| XR50+      | 5320              | GN50AAG20   | 5590          | GN50AAG31   |
| XR60+      | 6010              | GN60AAG20   | 6295          | GN60AAG31   |
| XR80+      | 7200              | GN80AAG20   | 7290          | GN80AAG31   |
| XR100+     | 8205              | GN03AAG20   | 8300          | GN03AAG31   |
| XR120+     | 9850              | GN04AAG20   | 9955          | GN04AAG31   |

### Accessories XR+-series

| CONTROLS                                                 | Applicable on  | Price € | article no. |
|----------------------------------------------------------|----------------|---------|-------------|
| Smart Controller                                         | XR10+ - XR120+ | 488     | IW8050      |
| Thermostat Multitherm Standard, controls up to 8 heaters | XR10+ - XR120+ | 198     | IX3911      |
| Thermostat Multitherm Comfort, controls up to 8 heaters  | XR10+ - XR120+ | 382     | IX3912      |
| Remote sensor for MTC thermostat                         | XR10+ - XR120+ | 148     | GA3929      |
| Modbus control set                                       | XR10+ - XR120+ | 80      | GA5903      |
| 0-10 V input control set                                 | XR10+ - XR120+ | 80      | GA5906      |
| Power isolation switch, 230V - 400V, 25 A                | XR10+ - XR120+ | 86      | IK5282      |
| Service set alarm contact                                | XR10+ - XR120+ | 30      | GA4009      |
| Service set alarm-reset                                  | XR10+ - XR120+ | 149     | GA4012      |

| SUSPENSION                                                            | Applicable on  | Price € | article no. |
|-----------------------------------------------------------------------|----------------|---------|-------------|
| Suspension brackets U-bracket S (wall- or ceiling suspension)         | XR10+ - XR30+  | 205     | GA8610      |
| Suspension brackets U-bracket M (wall- or ceiling suspension)         | XR40+ - XR60+  | 228     | GA8620      |
| Suspension brackets M (wall suspension)                               | XR40+ - XR60+  | 214     | GA8580      |
| Suspension brackets L (wall suspension)                               | XR80+ - XR120+ | 298     | GA8622      |
| Mounting set console for on H-beam (in combination with GA8610/20/30) | XR10+ - XR60+  | 148     | GA8680      |
| Mounting set on H-beam (in combination with GA8580)                   | XR40+ - XR60+  | 382     | GA8685      |
| Vertical suspension kit 80-165 cm                                     | XR10+ - XR60+  | 228     | GA8645      |
| Design bracket (wall- or ceiling suspension)                          | XR10+ - XR30+  | 316     | GA8630      |

| FLUE MATERIALS                      | Applicable on  | Price € | article no. |
|-------------------------------------|----------------|---------|-------------|
| Roof terminal DDV 80/125            | XR10+ - XR60+  | 229     | IA8202      |
| Wall terminal MDV 80 (2-pipes)      | XR10+ - XR60+  | 205     | IA8212      |
| Concentric wall terminal CT 80/125  | XR10+ - XR60+  | 161     | IA8113      |
| Roof terminal DDV 100/150           | XR80+ - XR100+ | 332     | IA8101      |
| Concentric wall terminal CT 100/150 | XR80+ - XR100+ | 270     | IA8112      |
| Roof terminal DDV 130/200           | XR120+         | 564     | IA8305      |
| Wall terminal CT 130/200            | XR120+         | 371     | IA8312      |

\* For extra flue material look at page 60.

| OTHER                                                                 | Applicable on  | Price € | article no. |
|-----------------------------------------------------------------------|----------------|---------|-------------|
| Set vertical louvres (4 pcs.)                                         | XR10+ - XR30+  | 132     | GX2001      |
| Set vertical louvres (4 pcs.)                                         | XR40+ - XR60+  | 167     | GX4001      |
| Set vertical louvres (6 pcs.)                                         | XR80+ - XR120+ | 217     | GX8010      |
| Fanbox HR for outside air entry, incl. connection piece and 2 dampers | XR40+ - XR60+  | 1065    | GAX60110    |
| Servomotor 220V for dampers on fanbox                                 | XR40+ - XR60+  | 730     | IK4800      |
| Remote step control for servomotor                                    | XR40+ - XR60+  | 288     | GA4801      |

# Flue materials

## Various flue materials

| For HR-series<br>aluminium 1.5 mm - T120 | diameter | Price € | article no. |
|------------------------------------------|----------|---------|-------------|
| Elbow 90°                                | Ø 80     | 28      | IA8220      |
| Elbow 45°                                | Ø 80     | 28      | IA8221      |
| Pipe 1000 mm                             | Ø 80     | 46      | IA8129      |
| Pipe 500 mm                              | Ø 80     | 26      | IA8222      |
| Elbow 90°                                | Ø 100    | 42      | IA8168      |
| Elbow 45°                                | Ø 100    | 34      | IA8162      |
| Pipe 1000 mm                             | Ø 100    | 60      | IA8158      |
| Pipe 500 mm                              | Ø 100    | 40      | IA8152      |
| Elbow 90°                                | Ø 130    | 116     | IA8368      |
| Elbow 45°                                | Ø 130    | 76      | IA8362      |
| Elbow 30°                                | Ø 130    | 128     | IA8360      |
| Pipe 1000 mm                             | Ø 130    | 87      | IA8358      |
| Pipe 500 mm                              | Ø 130    | 56      | IA8352      |

| For XR+-series<br>aluminium 0.7 mm - T200 | diameter | Price € | article no. |
|-------------------------------------------|----------|---------|-------------|
| Elbow 90°                                 | Ø 80     | 22      | IA8123      |
| Elbow 45°                                 | Ø 80     | 20      | IA8200      |
| Pipe 1000 mm                              | Ø 80     | 36      | IA8128      |
| Pipe 500 mm                               | Ø 80     | 25      | IA8250      |
| Elbow 90°                                 | Ø 100    | 29      | IA8167      |
| Elbow 45°                                 | Ø 100    | 23      | IA8163      |
| Pipe 1000 mm                              | Ø 100    | 42      | IA8156      |
| Pipe 500 mm                               | Ø 100    | 27      | IA8150      |
| Elbow 90°                                 | Ø 130    | 48      | IA8367      |
| Elbow 45°                                 | Ø 130    | 44      | IA8363      |
| Pipe 1000 mm                              | Ø 130    | 57      | IA8356      |
| Pipe 500 mm                               | Ø 130    | 46      | IA8350      |

| VARIOUS                                                      | Price € | article no. |
|--------------------------------------------------------------|---------|-------------|
| Concentric extension pipe, beneath the roof 130/200, L=500mm | 176     | IA8313      |
| Concentric extension pipe, above the roof 130/200 - L=1000mm | 306     | IA8411      |
| Roof sheet RP 80/125                                         | 24      | IA8121      |
| Roof sheet RP 100/150                                        | 44      | IA8321      |
| Conical roof sheet CP (45°) CL 100/160 incl. storm collar    | 485     | GA8142      |
| Roof sheet RP 130/210                                        | 50      | IA8322      |
| Deformable roof sheet 130/200 (25°-45°)                      | 330     | IA8341      |
| Roof sheet set 130/210 for trapezodial roof                  | 270     | GA8334      |



## PRICELIST

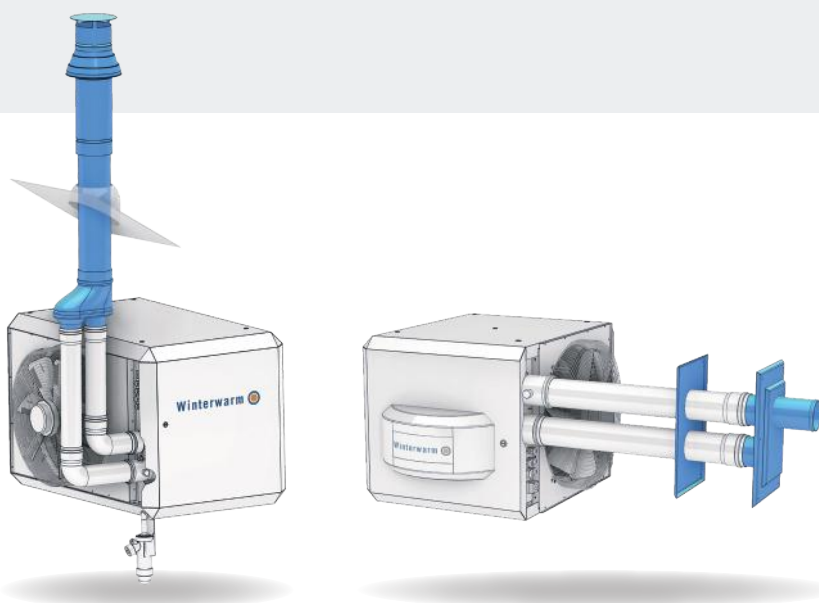
### Flue material for HR series and QSG-series

| FLUE MATERIALS              | Applicable on     | Prijs € | article no. |
|-----------------------------|-------------------|---------|-------------|
| DDV 80/125 HR Roofterminal  | HR10 - HR60 + QSG | 184     | IA8214      |
| CT 80/125 HR Wall terminal  | HR10 - HR60 + QSG | 156     | IA8216      |
| DDV 100/150 HR              | HR80 - HR100      | 416     | IA8108      |
| CT 100/150 HR               | HR80 - HR100      | 270     | IA8114      |
| DDV 130/210 HR Roofterminal | HR120             | 663     | IA8307      |
| CT 130/210 HR Wall terminal | HR120             | 500     | IA8314      |

| CONDENSATE DISCHARGE<br>through the roof                | Applicable on | Prijs € | article no. |
|---------------------------------------------------------|---------------|---------|-------------|
| Roof terminal incl. pump/neutralization set 80/125 HR   | HR10 - HR20   | 929     | GA8215      |
| Roof terminal incl. pump/neutralization set, 80/125 HR  | HR30-60       | 982     | GA8216      |
| Roof terminal incl. pump/neutralization set, 100/150 HR | HR80 - HR100  | 1087    | GA8109      |
| Roof terminal incl. pump/neutralization set, 130/200 HR | HR120         | 1407    | GA8308      |
| Roof terminal QSG incl. pump/neutralization set         | QSG           | 1075    | GA8217      |

### Flue material for XR series

| ROOKGASAFVOER                       | Applicable on  | Prijs € | article no. |
|-------------------------------------|----------------|---------|-------------|
| Roof terminal DDV 80/125            | XR10+ - XR60+  | 229     | IA8202      |
| Wall terminal MDV 80 (2-pipes)      | XR10+ - XR60+  | 205     | IA8212      |
| Concentric wall terminal CT 80/125  | XR10+ - XR60+  | 161     | IA8113      |
| Roof terminal DDV 100/150           | XR80+ - XR100+ | 332     | IA8101      |
| Concentric wall terminal CT 100/150 | XR80+ - XR100+ | 270     | IA8112      |
| Roof terminal DDV 130/200           | XR120+         | 564     | IA8305      |
| Concentric wall terminal CT 130/200 | XR120+         | 371     | IA8312      |



# Winterwarm WinterCooler

## Characteristics:

- Environmentally friendly cooling
- No water vapour
- Adjustable airflow
- UV filter included for water hygiene
- Water tank capacity for 8–12 hours
- Automatic pump shut-off when water level is low
- Suitable for areas up to 650 m<sup>2</sup>
- Easy to move



## Simple and efficient cooling for large spaces

### How does the Winterwarm WinterCooler work?

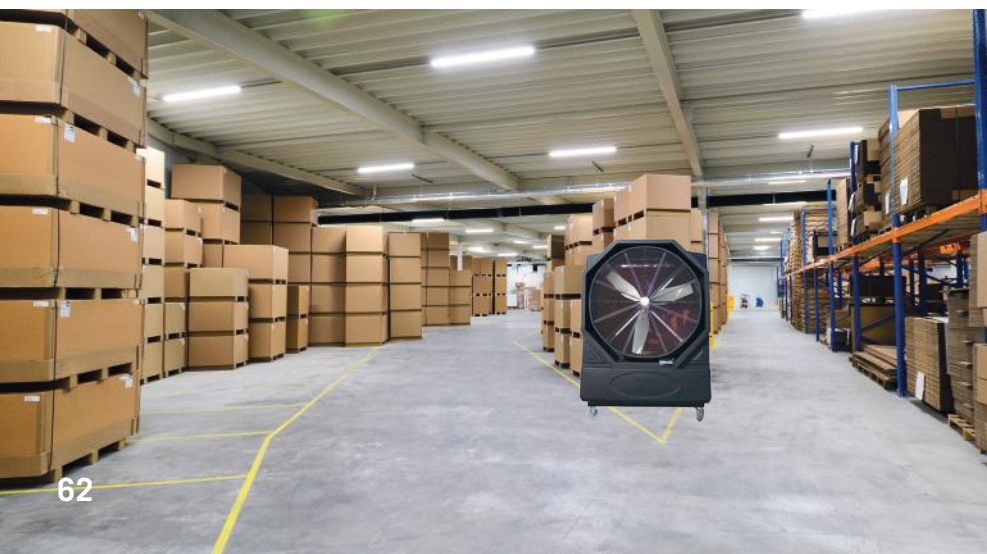
The WinterCooler uses evaporative (adiabatic) cooling to create a refreshing flow of air. Unlike traditional air conditioning systems and heat pumps, it uses the heat absorbed by evaporating water, making it energy-efficient and cost-effective. This air cooler reduces temperatures in large spaces in a comfortable and affordable way.

### Sustainable

The WinterCooler is also a sustainable solution, using water as a coolant instead of harmful and expensive refrigerants. This makes it ideal for industrial environments such as commercial halls, warehouses, workshops, greenhouses and festival marquees. The initial investment is relatively low, while providing efficient cooling.

### Flexible use

Thanks to its castors, the WinterCooler can be used wherever cooling is needed. All it requires is water and a single-phase power supply. After the summer, it can simply be stored away (without water). During use, the water tank should be refilled weekly. A UV-C filter is fitted as standard to help prevent Legionella growth.



## PRICELIST

### Air cooler WinterCooler-series

| WinterCooler series | Industrial air cooler |             |
|---------------------|-----------------------|-------------|
|                     | Price €               | article no. |
| CL250               | 5500                  | IH4223      |
| CL450               | 6500                  | IH4222      |
| CL650               | 7500                  | IH4221      |

### Technical data WinterCooler-series

| Type                      | Unit              | CL250           | CL450            | CL650           |
|---------------------------|-------------------|-----------------|------------------|-----------------|
| Article number            |                   | IH4223          | IH4222           | IH4221          |
| Voltage                   | V                 | 230-50/60Hz, 1F | 230- 50/60Hz, 1F | 230-50/60Hz, 1F |
| Cooling capacity (max.)*  | m <sup>2</sup>    | 250             | 450              | 650             |
| Horizontal throw          | m                 | 17-22           | 25-30            | 30-36           |
| Sound level               | dB(A)             | 50-75           | 50-75            | 75              |
| Air volume                | m <sup>3</sup> /h | 23.000          | 32.000           | 48.000          |
| Power (max.)              | A                 | 4.5             | 6.9              | 7.6             |
| Energy consumption (max.) | kWh               | 0.75            | 0.96             | 1.1             |
| Water tank                | L                 | 130             | 180              | 230             |
| Weight                    | kg                | 50              | 120              | 160             |
| Dimensions                | cm (wxhxd)        | 112 x 64 x 160  | 155 x 81 x 186   | 180 x 88 x 220  |

\*)The cooler increases humidity. Its performance is reduced at high temperatures and humidity levels.



CL250



CL450



CL650

### Simple, cost-effective cooling



Industrial halls



Greenhouses

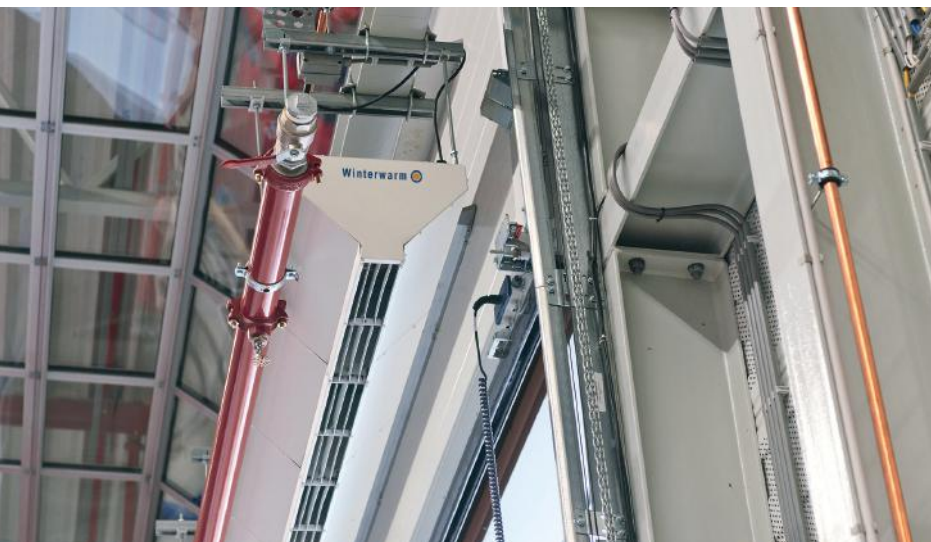


Events

# Winterwarm ACM

## Characteristics:

- Creates a comfortable indoor climate
- Prevents heat loss
- Energy-saving
- Reduces drafts
- Fitted with a “Gurney” flap
- High air flow
- Unlimited length
- Suitable for doors up to 4.5 m high
- Modular design



### Keeps the cold out!

A Winterwarm ACM air curtain keeps cold air outside and helps maintain a comfortable indoor temperature. It is ideal for entrances to shops, loading bays and access points to unheated areas. The air curtain creates a powerful air barrier between the inside and outside. It also helps bring warm air that has accumulated beneath the ceiling back down to floor level. This increases comfort and reduces unnecessary heat loss.

### Flexible modular design

The ACM has a modular design, with modules measuring 50 cm in width. By combining multiple modules, the required width can easily be achieved for any door opening. For optimum performance, the air curtain should always be slightly wider than the door opening. The ACM is suitable for door heights from 2.0 to 4.5 metres. The adjustable louvres allow the airflow to be directed precisely where it is needed.



Keep the heat in and the cold out: the first step towards sustainable heating.

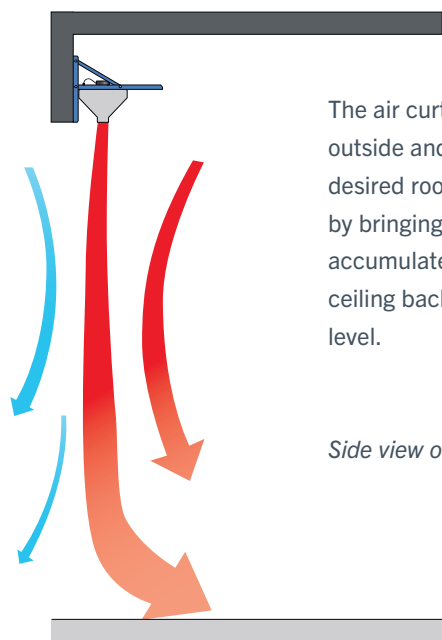
With an air curtain, doors can remain open and welcoming while maintaining a comfortable indoor climate. It creates an invisible barrier between inside and outside, helping to prevent drafts and temperature fluctuations. Dust, exhaust fumes and unpleasant odours are kept outside, while in summer it also helps to keep heat out.

An air curtain is essential for energy-efficient heating in areas where doors are frequently opened and closed. It also creates an invisible barrier between heated and unheated areas where forklifts can pass freely. Research shows that an air curtain can reduce energy loss through an open doorway by 60-80%.

The Winterwarm ACM is particularly effective thanks to its Gurney flap, which directs and accelerates the airflow towards floor level. Combined with the powerful fan, this creates a high air velocity and minimises the penetration of cold outside air.

## Easy energy savings

### How does the ACM air curtain work?



The air curtain keeps cold air outside and helps achieve the desired room temperature by bringing warm air that has accumulated beneath the ceiling back down to floor level.

*Side view of the airflow*

### Applications for air curtains

- Shops
- Home improvement stores
- Hotels and restaurants
- Warehouses
- Distribution centres
- Supermarkets
- Shopping centres
- Loading and unloading bays



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## Technical data ACM-series

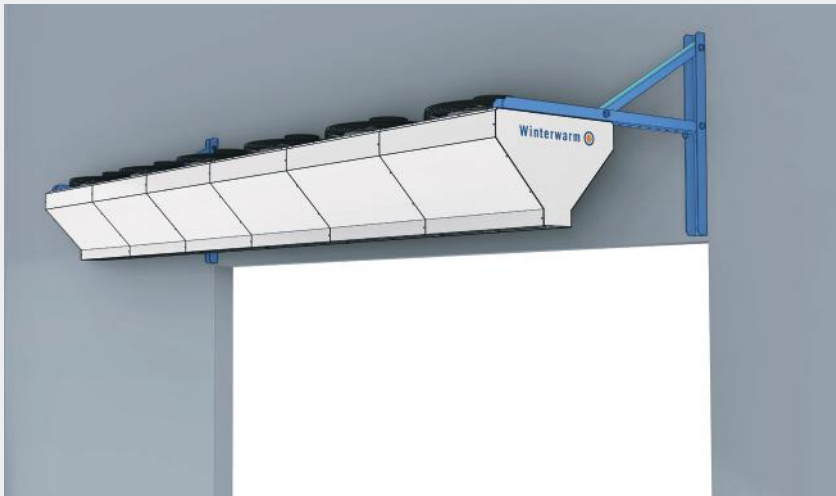
| Number of modules              | Unit  | 1       | 4       | 5       | 6       | 7       | 8       | 9       | 10      |
|--------------------------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| Length* (incl. endplates)      | mm    | 520     | 2020    | 2520    | 3020    | 3520    | 4020    | 4520    | 5020    |
| Dimensions (height × depth)    | mm    | 380x437 | 380x437 | 380x437 | 380x437 | 380x437 | 380x437 | 380x437 | 380x437 |
| Maximum suspension height      | m     | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     |
| Air volume (15°C)              | m³/h  | 1,900   | 7,600   | 9,500   | 11,400  | 13,300  | 15,200  | 17,100  | 19,000  |
| Voltage (50 Hz)                | V     | 230     | 230     | 230     | 230     | 230     | 230     | 230     | 230     |
| Total electrical consumption** | A     | 1.0     | 4.0     | 5.0     | 6.0     | 7.0     | 8.0     | 9.0     | 10.0    |
| Sound level (5m.)              | dB(A) | 64      | 70      | 71      | 72      | 73      | 73      | 73      | 74      |
| Weight                         | kg    | 12      | 48      | 60      | 72      | 84      | 96      | 108     | 120     |

*\*) To ensure the best functional result, the air curtain should be just wider than the door opening.*

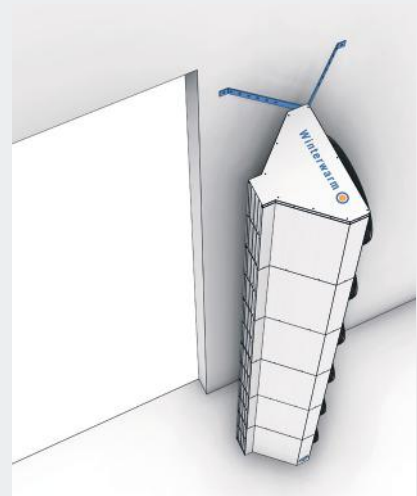
*\*\*) The electrical supply is maximum 10A, in the event of a wider air curtain (over 10 sections) extra electrical supply/connection is needed.*

The ACM can be controlled automatically by installing a door contact relay.  
The airflow can be adjusted using a 5-speed selector switch.

## Installation options



Console set for horizontal suspension  
GA8575



Vertical mounting set  
GA8585



## PRICELIST

### Air curtain ACM-series

| ACM series                   | Air curtain module |             |
|------------------------------|--------------------|-------------|
|                              | Price €            | article no. |
| ACM - 1 module (width 52 cm) | 595                | GVACM       |

ACM

### Accessories ACM-series

| DESCRIPTION                                                                                    | Price € | article no. |
|------------------------------------------------------------------------------------------------|---------|-------------|
| Assembly set (incl. 2 end plates and 1 connector) Per air curtain one assembly set is required | 70      | GA8700      |
| Vertical mounting set (incl. bottom plate and 2 support strips)                                | 66      | GA8585      |
| Horizontal mounting consoles (max. 10 modules per set)                                         | 235     | GA8575      |
| 5-step switch 5 A                                                                              | 368     | IA8543      |
| 5-step switch 8 A                                                                              | 487     | IA8544      |
| 5-step switch 11 A                                                                             | 626     | IA8515      |
| 5-step switch 15 A                                                                             | 1015    | IA8516      |
| Relay for door contact, 230 V., 20 A                                                           | 146     | GA4100      |

# Winterwarm WCU

## Characteristics:

- Even heat distribution throughout the building
- Reduced heat loss through the roof
- Energy efficient
- Increased comfort
- Optional: EC fan with
  - Low electricity consumption
  - Variable speed control for increased comfort
  - Low noise level



## Get more from your heating

With the WCU, heat generated by the heating system is not lost through the roof, but returned to the area where people and processes are located. This ensures an even room temperature, reduces heating cycles and makes optimal use of the heat already generated.

The result is a more comfortable indoor climate and energy savings of up to 30%, allowing the investment in a WCU to pay for itself sooner than expected.



Modern commercial and industrial buildings and warehouses are increasingly well insulated, reducing the heating capacity required. This makes effective air circulation particularly important. Without additional ceiling fans or circulation units, heated air can accumulate beneath the roof, while more heat is required at working level.

The Winterwarm WCU is a destratification fan that returns accumulated heat to floor level, ensuring an even temperature distribution throughout the building. This allows the available heat to be used more efficiently, reduces heat loss through the roof and lowers energy consumption. It is a smart and sustainable solution that improves comfort and can easily be integrated into both new and existing heating systems.

## More heat where it matters

### Installation option



*Suspension kit  
GA8570*

### Rendovent ceiling fan

For spaces with a height of 3 to 7 m, the Rendovent provides a simple solution for recirculating warm air. The ceiling fan can be set to any speed using the variable speed controller. Adding a simple room thermostat allows the ceiling fan to switch on automatically when the temperature gets too high.

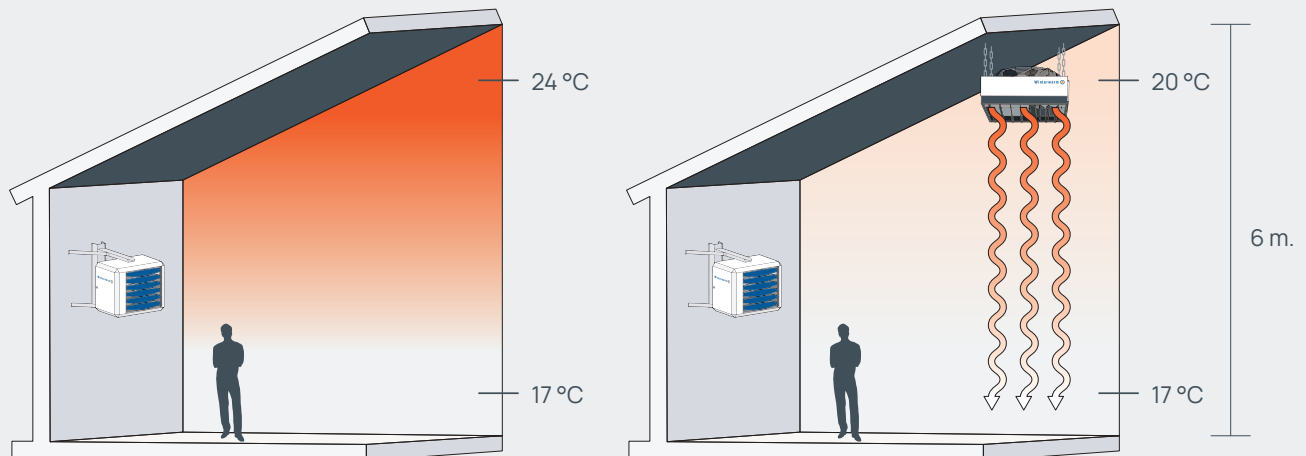


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## How does the WCU circulation unit work?

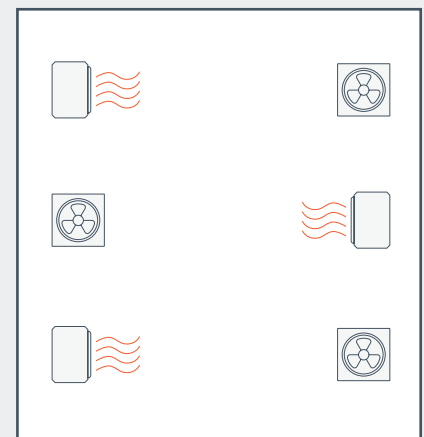
The WCU operates independently of the heating system and returns warm air that accumulates beneath the ceiling to working level. This helps distribute heat evenly throughout the building and makes better use of the available heat. The built-in thermostat automatically switches the fan on when temperature differences occur. The Rendovent can be operated manually using an on/off switch or set to the required speed using a 5-position speed switch.



### Selection and positioning

Select the WCU based on the height of the space. For spaces over 5 metres, we recommend installation of WCUs or Rendovents to reduce temperature stratification and improve air circulation. To determine the number of units required, calculate the desired air circulation based on the space volume and air change rate. Subtract the airflow already provided by the air heaters, then divide the remaining airflow by the capacity of the selected WCU. In general, one WCU per 300 m<sup>2</sup> of floor area is recommended. This guideline is based on Dutch ISSO 57 publication.

*Always position circulation units at the end of the air throw to prevent air turbulence, or above an area that cannot be reached by the air throw of the heater.*



## Desired recirculation multiple

| Room volume m <sup>3</sup> | recirculation multiple* |
|----------------------------|-------------------------|
| 1,000                      | min. 6                  |
| 2,000                      | min. 5                  |
| 3,000                      | min. 4                  |
| 5,000                      | min. 3                  |
| 7,000                      | min. 2,5                |
| 9,000                      | min. 2                  |
| 12,000                     | min. 2                  |

\*) Source: ISSO publication 57

## Technical data WCU-EC-series

| Type                                | Unit | WCU40EC         | WCU60EC         | WCU80EC         | WCU100EC        |
|-------------------------------------|------|-----------------|-----------------|-----------------|-----------------|
| <b>Article number</b>               |      | <b>GW4014EC</b> | <b>GW6014EC</b> | <b>GW8014EC</b> | <b>GW1014EC</b> |
| Air output                          | m³/h | 3,300           | 5,700           | 7,000           | 10,000          |
| Diameter fan                        | mm   | 350             | 450             | 450             | 630             |
| Distance fan to ceiling             | cm   | 35              | 45              | 50              | 65              |
| Throw vertical                      | m    | 5-9             | 7-11            | 8-12            | 12-15           |
| Electrical power                    | W    | 136             | 490             | 685             | 550             |
| Electrical current                  | A    | 1.45            | 1.3             | 4.4             | 4.3             |
| Voltage (50Hz)                      | V    | 230             | 230             | 230             | 230             |
| Sound level (at 6 mtr), range       | dBA  | 33-55           | 33-61           | 33-59           | 37-61           |
| Sound level (at 8 mtr), range       | dBA  | 31-53           | 31-59           | 31-57           | 37-59           |
| Weight                              | kg   | 11              | 18              | 18              | 43              |
| Dimensions (width × height × depth) | mm   | 470x470x255     | 600x600x269     | 600x600x269     | 800x800x396     |

## Technical data WCU-series

| Type                                | Unit | WCU40           | WCU60           | WCU80           | WCU100          |
|-------------------------------------|------|-----------------|-----------------|-----------------|-----------------|
| <b>Article number</b>               |      | <b>GW401400</b> | <b>GW601400</b> | <b>GW801400</b> | <b>GW101400</b> |
| Air output                          | m³/h | 3,200           | 5,600           | 7,000           | 10,000          |
| Diameter fan                        | mm   | 350             | 450             | 500             | 630             |
| Distance fan to ceiling             | cm   | 35              | 45              | 50              | 65              |
| Throw vertical                      | m    | 5-8             | 7-10            | 8-12            | 12-15           |
| Electrical power                    | W    | 155             | 290             | 400             | 480             |
| Electrical current                  | A    | 0.75            | 1.3             | 1.85            | 2.1             |
| Voltage (50Hz)                      | V    | 230             | 230             | 230             | 230             |
| Sound level (at 6 mtr), range       | dBA  | 33-56           | 35-59           | 47-61           | 39-58           |
| Sound level (at 8 mtr), range       | dBA  | 31-54           | 33-57           | 45-59           | 37-56           |
| Weight                              | kg   | 11              | 18              | 18              | 43              |
| Dimensions (width × height × depth) | mm   | 470x470x289     | 600x600x319     | 600x600x328     | 800x800x438     |

## Technical data Rendovent-series

| Type                          | Unit | Black         | White         |
|-------------------------------|------|---------------|---------------|
| <b>Article number</b>         |      | <b>IA8504</b> | <b>IA8500</b> |
| Air output                    | m³/h | 13.000        | 13.000        |
| Throw vertical                | m    | 3-7           | 3-7           |
| Electrical power              | W    | 75            | 75            |
| Electrical current            | A    | 0.35          | 0.35          |
| Voltage (50Hz)                | V    | 230           | 230           |
| Speed                         | rpm  | 300           | 300           |
| Sound level (at 6 mtr), range | dBA  | 36            | 36            |
| Weight                        | kg   | 9.5           | 9.5           |



# Control options

## Control Options WCU-EC



### Speed controller 0-10V - article number GA3955

- Stepless speed control of air volume
- Protection degree IP44
- Electrical current 20mA
- Control of max. 8 appliances

## Control Options WCU



### 5-step switch

- This 5-step switch reduces the fan speed
  - 2.2 A - article number IA8540
  - 3.5 A - article number IA8542
  - 5 A - article number IA8543
  - 8 A - article number IA8544
  - 11 A - article number IA8515
  - 15 A - article number IA8516

## Control Options Rendovent



### Stepless switch 3 Amp. (TLR 503-A) article number IA8509

- Stepless switch
- Suitable for 1-7 Rendovents
- Switches 0,5 - 3 Amp.
- Protection degree IP 54

*Add the total absorbed power of all appliances to determine the necessary Amps. in order to select the correct type switch.*

## PRICELIST

### Destratification fans WCU, WCU EC & Rendovent-series

| WCU series | Destratification fans |             | WCU-EC series | Destratification fans |             |
|------------|-----------------------|-------------|---------------|-----------------------|-------------|
|            | Price €               | article no. |               | Price €               | article no. |
| WCU 40     | 845                   | GW401400    | WCU 40 EC     | 1195                  | GW4014EC    |
| WCU 60     | 1000                  | GW601400    | WCU 60 EC     | 1630                  | GW6014EC    |
| WCU 80     | 1295                  | GW801400    | WCU 80 EC     | 2010                  | GW8014EC    |
| WCU 100    | 1575                  | GW101400    | WCU 100 EC    | 2535                  | GW1014EC    |

| Rendovent       | Destratification fans |             |
|-----------------|-----------------------|-------------|
|                 | Price €               | article no. |
| Rendovent black | 280                   | IA8504      |
| Rendovent white | 280                   | IA8500      |

### Accessories WCU-series

| DESCRIPTION                                 | Price € | article no. |
|---------------------------------------------|---------|-------------|
| Suspension set WCU                          | 48      | GA8570      |
| Stepless switch 3 Amp. (for 1-7 Rendovents) | 194     | IA8509      |
| 5-step switch 2.2 A                         | 324     | IA8540      |
| 5-step switch 3.5 A                         | 336     | IA8542      |
| 5-step switch 5 A                           | 368     | IA8543      |
| 5-step switch 8 A                           | 487     | IA8544      |
| 5-step switch 11 A                          | 626     | IA8515      |
| 5-step switch 15 A                          | 1015    | IA8516      |
| Stepless speed controller 0-10V             | 124     | GA3955      |

# Winterwarm DX-EH

## Characteristics:

- Sustainable electric heating
- No gas connection required
- 100% efficiency
- Optimal use of self-generated electricity
- No CO<sub>2</sub> in the poultry house
- Low ammonia emissions
- Stainless steel housing
- Splash-proof design



### Sustainable heating with on-site generated energy

The DX-EH has been developed to make maximum use of sustainably generated electricity, such as solar or wind power. This allows your own electricity to be used directly for heating, reducing gas consumption. This makes the system future-proof and suitable for poultry farms aiming to become more sustainable.

In most cases, a combination of gas-fired (DXC) and electric heating is chosen to handle peak demand at the start of a production cycle and to ensure operational reliability. In this way, energy costs can be significantly reduced.



The DX-EH is an electric air heater specifically developed for use in poultry and pig housing. The system combines the benefits of warm air heating with electric operation, enabling rapid and even heat distribution throughout the building.

The high air output ensures effective heat distribution across the entire building. As no combustion gases are produced, no emissions enter the building and no exhaust system is required. This helps maintain good air quality and reduces the need for ventilation.

The result is efficient energy use, a healthy living environment for the animals, and improved performance per production cycle. In addition, installation and maintenance can be carried out quickly and efficiently.

## Sustainable and emission-free!

### Installation options



Mobile suspension frame  
GD5000



Suspension using wire cables



Suspension kit  
GA8573 - 3m. of GA8574 - 4m.



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## How does the DX-EH air heater work?

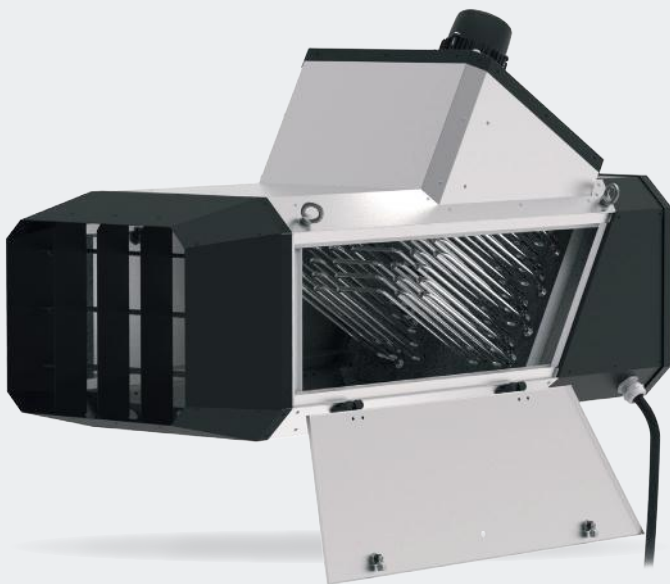
The DX-EH converts electricity directly into heat with 100% efficiency. Only an electrical supply with sufficient amperage is required. The integrated fan provides a high air output with a throw of up to 40 metres, ensuring effective heat distribution throughout the building. Additional DXF fans can be installed to optimise air circulation.

### Robust and safe construction

The unit features a stainless steel housing and is designed for intensive use in agricultural environments. The box containing all electronic components is splash-free, providing protection against moisture and contamination. The heating elements are highly resistant to the harsh conditions within the housing and can be cleaned by spraying from the side. As there is no gas combustion, fire safety levels are high, which may have a positive impact on insurance premiums. The unit is compact and can be easily suspended using chains or wire cables.

### Perfect combination

Electric heating when possible, gas heating when necessary. By using a DX-EH in combination with a DXC unit, operational reliability is ensured while still achieving significant energy savings.



*The DX-EH is easily accessible for cleaning via the side access panel.*



*DXF circulation fan with high air output (5,000 m³/h).*



## Technical data DX-EH series

| Type                                 | Unit              | DX-EH 40         |
|--------------------------------------|-------------------|------------------|
| Article number                       |                   | PEC40AOWW        |
| Heating capacity high                | kW                | 39,6             |
| Heating capacity low                 | kW                | 19,8             |
| Electrical connection                | kW                | 40               |
| Maximum electrical current per phase | A                 | 59               |
| Maximum air output (warm)            | m <sup>3</sup> /h | 3500             |
| Horizontal throw (max)               | m                 | 40               |
| Voltage (50 Hz)                      | V                 | 400V+N           |
| Weight                               | kg                | 65               |
| Sound level (@ 5 meter)              | dB(A)             | 62               |
| Dimensions (width × height × depth)  | mm                | 550 x 795 x 1400 |



Connection via a 5-pin 63A CEE plug or a 63A isolator switch (IE5210).



The control compartment is easily accessible via the rear door.

# Control options

## Control options

The DX-EH offers various control options. In most cases, the unit is controlled via the poultry house computer system using a potential-free contact. The air heater then operates at full capacity. Optionally, a high/low control can be applied. The unit can also be operated manually using the function switch on the side of the unit (off / automatic / ventilation / heating). Next to this is a red signal lamp that illuminates in the event of a fault. The signal lamp also serves as the reset button. On the rear, a convenient service display shows the current status of the unit.

|                                               |                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------|
| <b>Modbus Control Set – GA5903</b>            | : for connection to a poultry house computer.                      |
| <b>On/Off Thermostat – IP794209</b>           | : splash-proof, with a temperature range of -20°C to +40°C, 6 Amp. |
| <b>External Alarm Set – GA4009</b>            | : for adding an external alarm output.                             |
| <b>Alarm Signal + Reset Set – GA4012</b>      | : for adding an external alarm output and resetting the unit.      |
| <b>0–10V Input Control Set – GA5906</b>       | : for control via a 0–10V signal.                                  |
| <b>Isolator Switch 400 V, 63 Amp – IE5210</b> | : for disconnecting the power supply during maintenance.           |



## PRICELIST

### Electric air heater DX-EH-series

| DX-EH series | Price € | article no. |
|--------------|---------|-------------|
| DX-EH 40     | 4555    | PEC40A0WW   |

DX-EH

### Accessories DX-EH-series

| DESCRIPTION                                              | Price € | article no. |
|----------------------------------------------------------|---------|-------------|
| On/off thermostat -20°C / +40°C, water resistant to IP65 | 193     | IP794209    |
| Remote status reader                                     | 423     | GD3202      |
| Interface board for modulating burner control            | 382     | IB5902      |
| Modbus control set                                       | 80      | GA5903      |
| 0-10 V input control set                                 | 80      | GA5906      |
| Service set alarm contact                                | 30      | GA4009      |
| Service set alarm-reset                                  | 149     | GA4012      |
| Power isolation switch 400V, 63 A                        | 236     | IE5210      |
| Suspension kit (incl. 3m. chain + 4 carabiner)           | 128     | GA8573      |
| DXF fan                                                  | 655     | PDF5000     |

# Winterwarm DXC

## Characteristics:

- Sealed combustion system
- No CO<sub>2</sub> into the poultry house
- Flexible stainless steel air intake pipe
- Robust tubular heat exchanger
- Stainless steel casing
- Up to 25% energy savings
- Proven concept
- Easy to clean
- Comfortable for both people and animals



## Fast return on investment

With DXC heaters, energy costs in poultry houses can be reduced by up to 25% per poultry house. The sealed combustion system does not introduce CO<sub>2</sub> into the poultry house, reducing the need for ventilation and minimising the intake of cold outside air. As a result, the installed heating capacity can remain lower. While the initial investment is higher than with conventional systems, it typically pays for itself within 2 to 3 years, making the DXC a financially attractive choice for poultry farming.

With a DXC gas-fired air heater in your poultry house, CO<sub>2</sub> and moisture stay out. This not only reduces energy costs but also ensures a dry and stable climate, leading to healthier animals, fewer losses, and higher yields per cycle.

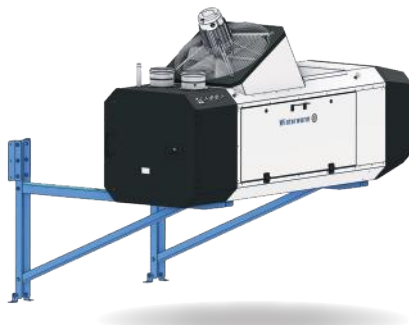
The DXC concept has already proven itself for many poultry farmers. Working in the poultry house is more pleasant thanks to low noise levels and a high sense of safety, there's no open flame inside. Plus, the DXC is easy to clean after each cycle.

## Energy-efficient and reliable!

### Installation options



Mobile suspension frame  
GD5000



Wall-mounted console  
GD5002



Suspension kit  
GA8574



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or scan the QR code!



## How does the DXC air heater work?

The DXC air heater is a gas-fired heater (available for natural gas or propane) that operates on a room-sealed combustion system. Two flexible pipes are used for drawing in combustion air and expelling exhaust gases, connected via a concentric flue system. A powerful fan ensures a strong airflow, which can be further enhanced by installing DXF fans for optimal distribution of warm air throughout the poultry house.

### Robust construction

Poultry houses demand durable equipment. That's why the DXC features a stainless steel casing and heat exchanger. Cleaning is straightforward: the unit opens on three sides, allowing high-pressure cleaning from both inside and out. The control compartment is also splash-proof.

### Reduced fire risk

With the DXC heating system, there is no open flame in the poultry house, and no combustion gases enter the indoor space. This improves fire safety and ensures a stable, clean combustion process without contaminating the burner. The round tubes of the heat exchanger also prevent dust buildup.



*The control compartment is located at the rear and is easily accessible through a door.*



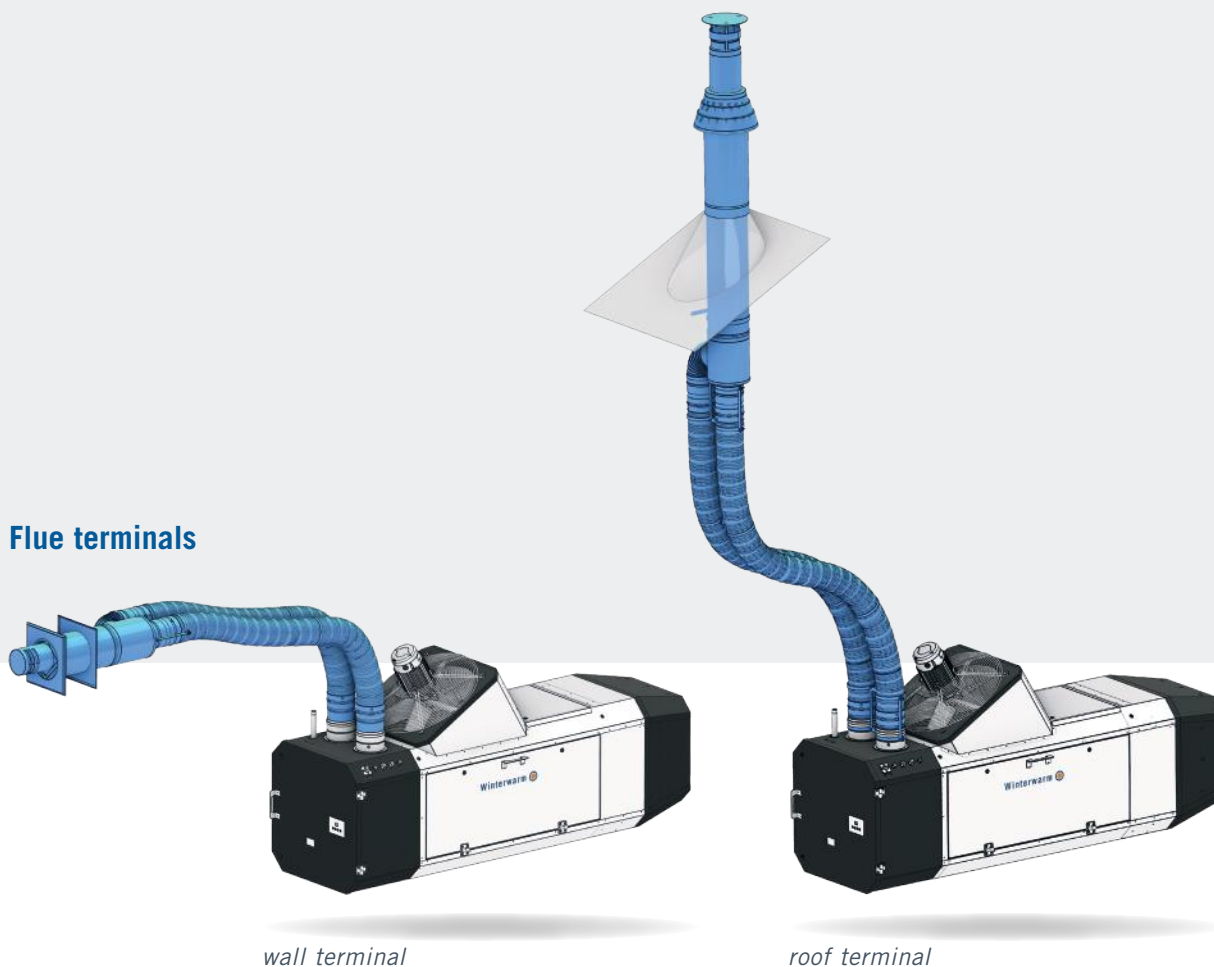
*The DXF transport fan provides a high airflow output of 5,000 m<sup>3</sup>/h.*



## Technical data DXC series

| Type                                   | Unit              | DXC60             | DXC80             | DXC100            |
|----------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Article number for natural gas version |                   | PDC01A0G20        | PDC02A0G20        | PDC03A0G20        |
| Article number for propane version     |                   | PDC01A0G31        | PDC02A0G31        | PDC03A0G31        |
| Nominal heat input                     | kW                | 65.5              | 83.0              | 108.0             |
| Nominal heat output                    | kW                | 60                | 76                | 99                |
| Efficiency maximum power               | %                 | 91.5              | 91.5              | 91.8              |
| Air output                             | m <sup>3</sup> /h | 6000              | 8000              | 10000             |
| Throw                                  | m                 | 40                | 45                | 50                |
| Weight                                 | kg                | 140               | 150               | 175               |
| Gas consumption natural gas (G25)      | m <sup>3</sup> /h | 7.8               | 9.9               | 12.8              |
| Gas consumption natural gas (G20)      | m <sup>3</sup> /h | 6.9               | 8.8               | 11.4              |
| Gas consumption propane (G31)          | kg/h              | 5.2               | 6.6               | 8.6               |
| Outer pipe diameter combustion air     | mm                | 130               | 130               | 130               |
| Dimensions (width × height × depth)    | mm                | 740 x 1080 x 2100 | 740 x 1080 x 2100 | 815 x 1080 x 2100 |

## Flue terminals



# Control options

## Control options

The DXC is equipped with automatic electric ignition. Typically, the unit is controlled via the poultry house computer system using a potential-free contact. This allows you to reduce the output from maximum capacity to a lower discharge temperature (high/low control). On the rear, a convenient service display shows the current status of the unit. You can also operate the unit manually using the function switch on the side (off / automatic / ventilation / heating).

|                                          |                                                                    |
|------------------------------------------|--------------------------------------------------------------------|
| <b>Modbus control set – GA5903</b>       | : For connecting to a poultry house computer.                      |
| <b>On/off thermostat – IP794209</b>      | : Splash-proof, with a temperature range of -20°C to +40°C, 6 Amp. |
| <b>External alarm set – GA4009</b>       | : For adding an external alarm output.                             |
| <b>Alarm signal + reset set – GA4012</b> | : For adding an external alarm output and resetting the unit.      |
| <b>0-10V Input control set – GA5906</b>  | : For control using a 0-10V signal.                                |



*The DXC is also ideally suited for use in greenhouses, for example where emissions from open-flame heaters could be harmful to flower cultivation.*

## PRICELIST

### Indirect gas-fired warm-air heater DXC-series

| DXC series | Natural Gas (G20) |             | Propane (G31) |             |
|------------|-------------------|-------------|---------------|-------------|
|            | Price €           | article no. | Price €       | article no. |
| DXC 60     | 6055              | PDC01A0G20  | 6055          | PDC01A0G31  |
| DXC 80     | 6955              | PDC02A0G20  | 6955          | PDC02A0G31  |
| DXC 100    | 8355              | PDC03A0G20  | 8355          | PDC03A0G31  |

### Accessories DXC-series

| DESCRIPTION                                                | Price € | article no. |
|------------------------------------------------------------|---------|-------------|
| On/off thermostat -20°C / +40°C, IP65                      | 193     | IP794209    |
| Remote status reader                                       | 423     | GD3202      |
| Interface board for modulating burner control              | 382     | IB5902      |
| Mobile heater stand                                        | 1118    | GD5000      |
| Wall suspension kit                                        | 314     | GD5002      |
| Modbus control set                                         | 80      | GA5903      |
| 0-10 V input control set                                   | 80      | GA5906      |
| Service set alarm contact                                  | 30      | GA4009      |
| Service set alarm-reset                                    | 149     | GA4012      |
| Suspension kit (incl. 4 m. chain + 8 carabiner)            | 167     | GA8574      |
| Service parts box for DXC 60-80-100 (excl. fans) version 4 | 1613    | GA4004-1    |
| Service set with system fan and flue fan for DXC 60-80     | 1001    | GA4004-2    |
| Service set with system fan and flue fan for DXC100        | 1133    | GA4004-3    |
| DXF fan                                                    | 655     | PDF5000     |

| FLUE MATERIALS                                                                                                    | Price € | article no. |
|-------------------------------------------------------------------------------------------------------------------|---------|-------------|
| Roof terminal DDV 130/200                                                                                         | 564     | IA8305      |
| Wall terminal CT 130/200                                                                                          | 371     | IA8312      |
| Flue mounting kit (incl. 2 male & 2 female adapters, 2 safety clamps, silicone kit) Obligatory with each pipe set | 356     | GA8350      |
| Flexible pipe set 1 m. ø 130                                                                                      | 161     | GA8310      |
| Flexible pipe set 2 m. ø 130 (incl. 1 spacer bracket)                                                             | 273     | GA8315      |
| Flexible pipe set 3 m. ø 130 (incl. 2 spacer brackets)                                                            | 390     | GA8320      |
| Flexible pipe set 4 m. ø 130 (incl. 3 spacer brackets)                                                            | 478     | GA8325      |
| Flexible pipe set 5 m. ø 130 (incl. 4 spacer brackets)                                                            | 594     | GA8330      |
| 90° Elbow set, ø 130                                                                                              | 97      | GA8355      |
| Concentric extension pipe (indoor) 130/200, 500mm                                                                 | 176     | IA8313      |
| Concentric extension pipe (outdoor) 130/200, 1000mm                                                               | 306     | IA8411      |
| Roof sheet RP 130/210                                                                                             | 50      | IA8322      |
| Adjustable roofsheet 130/200 (11°-50°)                                                                            | 314     | IA8344      |
| Roof sheet set 130/210 for trapezoidal roof                                                                       | 270     | GA8334      |

| GAS CONNECTION 3/4"                                                                                        | Price € | article no. |
|------------------------------------------------------------------------------------------------------------|---------|-------------|
| Gas hose 3/4" L 2000mm - CE approved - incl. nipples                                                       | 412     | IP779055    |
| Gasball valve+ filter set 3/4" - incl. nipples                                                             | 156     | GD4000      |
| Gas pressure regulator set natural gas- incl. nipples - inlet pressure max.200mbar, 27mbar outlet pressure | 172     | GD4004      |
| Gas pressure regulator set propane - incl. nipples - inlet pressure max. 1,75 bar, 50mbar outlet pressure  | 210     | GD4006      |

# Winterwarm DX4D

Available  
from  
October  
2026

## Characteristics:

- Four-sided discharge plenum
- Comfortable for people and animals
- Closed combustion system
- Easy to clean
- Up to 25% energy savings
- No CO<sub>2</sub> in the house
- Low gas consumption



**High-quality heating system with sealed combustion that distributes airflow in four directions for optimal heat distribution.**

### Comfort for bird and poultry farmer

An innovative heating system that combines comfort, efficiency and reliability. Thanks to the four-sided discharge plenum, warm air is distributed in all directions. The throw is greater at the front and rear than at the sides, ensuring even heat distribution along the entire length of the poultry house.

### Healthy poultry house climate

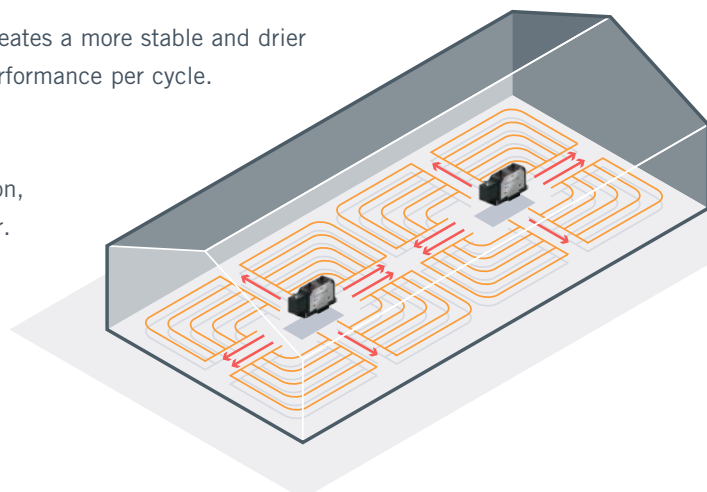
The DX4D features a sealed combustion system: clean combustion air is supplied via the balanced flue, while exhaust gases are safely expelled outside. This prevents CO<sub>2</sub> and moisture from entering the poultry house and reduces ammonia emissions, resulting in a cleaner and more animal-friendly environment.

### Improved performance

Optimal heat distribution and the closed combustion system creates a more stable and drier poultry house climate, supporting healthy growth and better performance per cycle.

### Efficient, durable and reliable

With energy savings of up to 25% and efficient gas consumption, the DX4D is a sustainable choice for the modern poultry farmer. Its robust design ensures a long service life, while the system is easy to clean and meets the highest fire safety standards.



## PRICELIST

### Indirect gas-fired warm-air heater DX4D-series

| DX4D series | Natural Gas (G20) |             | Propane (G31) |             |
|-------------|-------------------|-------------|---------------|-------------|
|             | Price €           | article no. | Price €       | article no. |
| DX4D 60     | 6645              | D4D01A0G20  | 6645          | D4D01A0G31  |
| DX4D 80     | 7525              | D4D02A0G20  | 7525          | D4D02A0G31  |
| DX4D 100    | 8875              | D4D03A0G20  | 8875          | D4D03A0G31  |

DX4D

### Accessories DX4D-series

| DESCRIPTION                                                | Price € | article no. |
|------------------------------------------------------------|---------|-------------|
| On/off thermostat -20°C / +40°C, IP65                      | 193     | IP794209    |
| Remote status reader                                       | 423     | GD3202      |
| Interface board for modulating burner control              | 382     | IB5902      |
| Modbus control set                                         | 80      | GA5903      |
| 0-10 V input control set                                   | 80      | GA5906      |
| Service set alarm contact                                  | 30      | GA4009      |
| Service set alarm-reset                                    | 149     | GA4012      |
| Suspension kit (incl. 4 m. chain + 8 carabiner)            | 167     | GA8574      |
| Service parts box for DXC 60-80-100 (excl. fans) version 4 | 1613    | GA4004-1    |
| DXF fan                                                    | 655     | PDF5000     |

| FLUE MATERIALS                                                                                                       | Price € | article no. |
|----------------------------------------------------------------------------------------------------------------------|---------|-------------|
| Roof terminal DDV 130/200                                                                                            | 564     | IA8305      |
| Wall terminal CT 130/200                                                                                             | 371     | IA8312      |
| Flue mounting kit (incl. 2 male & 2 female adapters, 2 safety clamps, silicone kit)<br>Obligatory with each pipe set | 356     | GA8350      |
| Flexible pipe set 1 m. ø 130                                                                                         | 161     | GA8310      |
| Flexible pipe set 2 m. ø 130<br>(incl. 1 spacer bracket)                                                             | 273     | GA8315      |
| Flexible pipe set 3 m. ø 130<br>(incl. 2 spacer brackets)                                                            | 390     | GA8320      |
| Flexible pipe set 4 m. ø 130<br>(incl. 3 spacer brackets)                                                            | 478     | GA8325      |
| Flexible pipe set 5 m. ø 130<br>(incl. 4 spacer brackets)                                                            | 594     | GA8330      |
| 90° Elbow set, ø 130                                                                                                 | 97      | GA8355      |
| Concentric extension pipe (indoor)<br>130/200, 500mm                                                                 | 176     | IA8313      |
| Concentric extension pipe (outdoor)<br>130/200, 1000mm                                                               | 306     | IA8411      |
| Roof sheet RP 130/210                                                                                                | 50      | IA8322      |
| Adjustable roofsheet 130/200 (11°-50°)                                                                               | 314     | IA8344      |
| Roof sheet set 130/210 for trapezoidal roof                                                                          | 270     | GA8334      |

| GAS CONNECTION 3/4"                                                                                        | Price € | article no. |
|------------------------------------------------------------------------------------------------------------|---------|-------------|
| Gas hose 3/4" L 2000mm - CE approved - incl. nipples                                                       | 412     | IP779055    |
| Gasball valve+ filter set 3/4" - incl. nipples                                                             | 156     | GD4000      |
| Gas pressure regulator set natural gas- incl. nipples - inlet pressure max.200mbar, 27mbar outlet pressure | 172     | GD4004      |
| Gas pressure regulator set propane - incl. nipples - inlet pressure max. 1,75 bar, 50mbar outlet pressure  | 210     | GD4006      |



# Winterwarm DXE

## Characteristics:

- Outdoor installation
- No CO<sub>2</sub> into the poultry house
- Up to 25% energy savings
- 100% recirculation of air
- Drier litter
- Improved animal health
- Enhanced biosecurity
- Robust construction



## Healthy house climate, improved performance

The DXE makes a direct contribution to a healthy house climate by ensuring that only clean air enters the poultry house. CO<sub>2</sub>, moisture and combustion gases are kept completely outside, helping to keep the litter drier and improve overall air quality. This supports animal health and reduces the risk of losses. At the same time, the stable indoor climate promotes consistent chick growth and improved technical performance, resulting in higher yields per cycle.



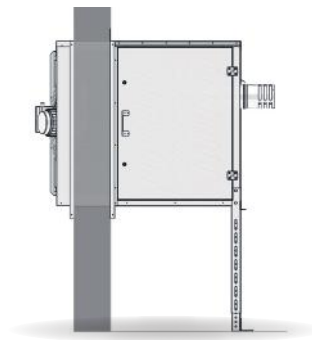
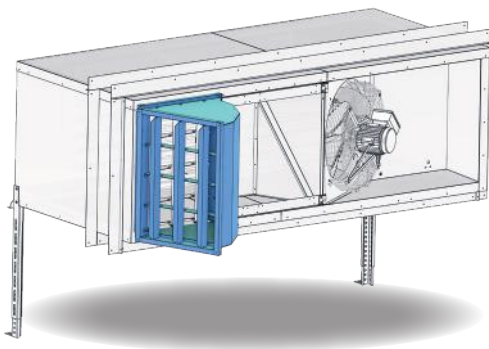
For clean air and a healthy poultry house environment.

The DXE is a unique heating concept for poultry houses that combines the advantages of a closed combustion system with an externally installed heater. Because combustion gases do not enter the house, less ventilation is required and less cold air is drawn in. As a result, less air needs to be heated, leading to relatively low gas consumption.

The control compartment is easily accessible from outside for maintenance and servicing. Inside the house, working conditions are comfortable due to the low noise level and the strong sense of safety.

## Comfortable for both humans and animals!

### Installation example



*Discharge cone for enhanced airflow control.*

*Article numbers: GD4308 (DXE 80) GD4310 (DXE 100)*



Want to know more?  
Visit [www.winterwarm.com](http://www.winterwarm.com)  
or scan the QR code!



## How does the DXE air heater work?

The DXE heater is installed outside the poultry house, meaning that combustion gases remain outside. As a result, no CO<sub>2</sub> and no water vapour enter the house. This not only improves air quality and biosecurity, but also enhances fire safety, as there is no open combustion taking place inside. Inside the house, the unit blows out the heated recirculated air, thereby heating the building.

### Practical design and high reliability

The DXE is designed for intensive use in the agricultural sector. Because it is mounted against the external wall, the control compartment is easily accessible from outside for maintenance and servicing. The heat exchanger and fan can be easily cleaned between production cycles via a large service hatch on the inside. The robust casing is constructed from coated steel and insulated to minimise heat loss. The burner technology used is well-proven and operates with clean outside air, which keeps burner contamination to a minimum and ensures high reliability.

### Optimised air distribution

An optional discharge cone is available to direct the airflow along the wall, creating a loop-shaped air distribution pattern. By installing DXF fans, the warm air can be distributed even more effectively throughout the house.



*The round heating tubes prevent dust build-up.*



*DXF circulation fan with high air output (5,000 m<sup>3</sup>/h).*

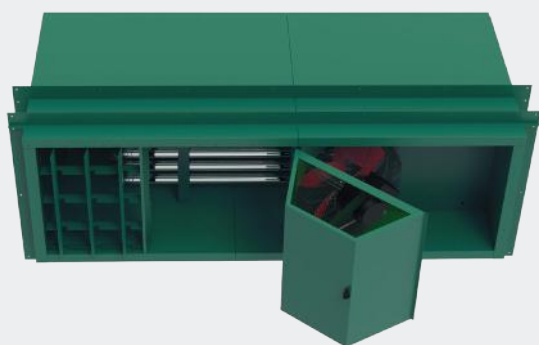


## Technical data DXE series

| Type                                    | Unit              | DXE 80            | DXE 100           |
|-----------------------------------------|-------------------|-------------------|-------------------|
| Article number for natural gas version* |                   | PDE02A0G20        | PDE03A0G20        |
| Article number for propane version*     |                   | PDE02A0G31        | PDE03A0G31        |
| Nominal heat input                      | kW                | 83                | 108               |
| Nominal heat output                     | kW                | 76                | 99.1              |
| Efficiency maximum power                | %                 | 91.5              | 91.8              |
| Air output                              | m <sup>3</sup> /h | 8000              | 10000             |
| Throw                                   | m                 | 45                | 50                |
| Weight                                  | kg                | 282               | 311               |
| Gas consumption natural gas (G25)       | m <sup>3</sup> /h | 9.9               | 12.8              |
| Gas consumption natural gas (G20)       | m <sup>3</sup> /h | 8.8               | 11.4              |
| Gas consumption propane (G31)**         | kg/h              | 6.6               | 8.6               |
| Degree of Protection (IP)               |                   | IPX4D             | IPX4D             |
| Dimensions (width × height × depth)     | mm                | 1030 x 760 x 2270 | 1030 x 920 x 2270 |

\*) Supplied including wall flanges, 2 adjustable legs and rear flue outlet

\*\*) Also available for G30 (butane) operation



The fan and heat exchanger are accessible via a front access hatch. Easy to clean with a high-pressure washer.



The control compartment is accessible from the outside via a door. No need to enter the house.

# Control options

## Control Options

The DXE is equipped with automatic electric ignition. Typically, the unit is controlled via the poultry house computer system using a potential-free contact. The unit operates in on/off mode. In addition, several control options are available, namely high/low control, 0–10 V control, and ModBus control. With high/low control, the output can be reduced to 60%, while the air volume remains at 100%, resulting in a lower discharge temperature.

Inside the control compartment there is a convenient service display showing the current status of the unit. Various functions can also be set here, such as continuous ventilation, cleaning mode, or 12-hour continuous heating. At the discharge side inside the house, there is a signal lamp with reset function for manual fault reset.

**Modbus Control Set – GA5903**

: for connecting to a poultry house computer.

**On/Off Thermostat – IP794209**

: splash-proof, with a temperature range of -20°C to +40°C, 6 Amp.

**External Alarm Set – GA4009**

: for adding an external alarm output.

**Alarm Signal + Reset Set – GA4012**

: for adding an external alarm output and resetting the unit.

**0-10V Input Control Set – GA5906**

: for control using a 0-10V signal.



## PRICELIST

### Gas-fired warm-air heater DXE-series

| DXE series | Natural Gas (G20) |             | Propane (G31) |             |
|------------|-------------------|-------------|---------------|-------------|
|            | Price €           | article no. | Price €       | article no. |
| DXE 80     | 8220              | PDE02A0G20  | 8220          | PDE02A0G31  |
| DXE 100    | 9950              | PDE03A0G20  | 9950          | PDE03A0G31  |

DXE

### Accessories DXE-series

| DESCRIPTION                                                  | Price € | article no. |
|--------------------------------------------------------------|---------|-------------|
| On/off thermostat -20°C / +40°C, water resistant to IP65     | 193     | IP794209    |
| Remote status reader                                         | 423     | GD3202      |
| Interface board for modulating burner control                | 382     | IB5902      |
| Modbus control set                                           | 80      | GA5903      |
| 0-10 V input control set                                     | 80      | GA5906      |
| Service set alarm contact                                    | 30      | GA4009      |
| Service set alarm-reset                                      | 149     | GA4012      |
| Discharge cone DXE 80                                        | 569     | GD4308      |
| Discharge cone DXE 100                                       | 669     | GD4310      |
| Service parts box for DXE 60-80-100 (excl. fans) - version 4 | 1613    | GA4004-1    |
| Service set with system fan and flue fan for DXE 60-80       | 1001    | GA4004-2    |
| Service set with system fan and flue fan for DXE100          | 1133    | GA4004-3    |
| Flue gas outlet diam. 130, L=230mm                           | 104     | IA8355      |
| DXF fan                                                      | 655     | PDF5000     |

| GAS CONNECTION 3/4"                                                                                        | Price € | article no. |
|------------------------------------------------------------------------------------------------------------|---------|-------------|
| Gas hose 3/4" L 2000mm - CE approved - incl. nipples                                                       | 412     | IP779055    |
| Gasball valve+ filter set 3/4" - incl. nipples                                                             | 156     | GD4000      |
| Gas pressure regulator set natural gas- incl. nipples - inlet pressure max.200mbar, 27mbar outlet pressure | 172     | GD4004      |
| Gas pressure regulator set propane - incl. nipples - inlet pressure max. 1,75 bar, 50mbar outlet pressure  | 210     | GD4006      |

# Winterwarm DHX

## Characteristics:

- Open combustion system
- 100% efficiency
- Immediate heat output
- High air output
- Proven, reliable concept
- Stainless steel body
- Low-maintenance design



## Fast, straightforward heating

DHX air heaters are designed around a proven and highly straightforward concept: direct gas fired heating without unnecessary extras. This results in a solution with low investment costs and minimal installation effort. A gas connection and a 230 V electrical supply are all that's required.

For users, this means a practical, robust and cost-effective heating system that can be deployed quickly and does exactly what it's designed to do: deliver efficient heating without unnecessary complexity.



The DHX range has been specifically developed for applications within the agricultural sector, such as poultry houses, pigsties and horticultural greenhouses. In these environments, maintaining a stable temperature and an even air distribution is essential for an optimal growing climate.

Thanks to its high air output and the unit's round design, heat is distributed effectively throughout the space. In livestock buildings, the air, together with the combustion gases, is extracted via ventilation systems to maintain a healthy indoor climate. In greenhouses, the CO<sub>2</sub> present in the combustion gases actively improves plant growth.

## Rapid heating for poultry houses, reliable technology!

### Installation options



*Suspension using wire cables*



*Suspension kit  
GA8572 - 2m. or GA8573 - 3m.*



Want to know more?  
Visit [www.winterwarm.com](http://www.winterwarm.com)  
or scan the QR code!



## How does the DHX air heater work?

The operation of the DHX air heater is based on an open combustion principle using natural gas or propane. The burner produces a stable flame, ensuring clean and complete combustion. As there are no heat losses, the generated heat is delivered directly into the space via the fan, achieving 100% efficiency. This results in a rapid temperature increase and highly efficient energy use.

### Robust and reliable

The DHX features a fully stainless steel casing. All components have been extensively tested and continue to perform reliably even in the most demanding and aggressive environments, such as pigsties. For extra protection, they are enclosed in a sealed box mounted on the side of the unit. The unit is splash-proof (IPX4B) and can be cleaned using a high-pressure washer. A digital control board monitors the ignition process and automatically performs one restart attempt in the event of flame failure. The entire range is CE approved.

### Support with DXF fan

For optimal performance, the DHX can be combined with DXF circulation fans. These support air movement and ensure that warm air is distributed more evenly and over greater distances throughout the house. This is particularly important for animal welfare and uniform crop growth.



*Stainless steel casing with control display mounted on the component box.*



*DXF circulation fan with high air output (5,000 m³/h).*



## Technical data DHX series

| Type                                   | Unit              | DHX 40     | DHX 75     | DHX 100    | DHX 120    |
|----------------------------------------|-------------------|------------|------------|------------|------------|
| Article number for natural gas version |                   | PDX40A0G20 | PDX75A0G20 | PDX10A0G20 | PDX12A0G20 |
| Article number for propane version*    |                   | PDX40A0G31 | PDX75A0G31 | PDX10A0G31 | PDX12A0G31 |
| Nominal heat input                     | kW                | 40         | 72         | 100        | 120        |
| Nominal heat output                    | kW                | 40         | 72         | 100        | 120        |
| Air output                             | m <sup>3</sup> /h | 3900       | 3900       | 5900       | 6800       |
| Throw                                  | m                 | 43         | 43         | 51         | 51         |
| Weight                                 | kg                | 35         | 35         | 45         | 45         |
| Gas consumption natural gas (G25)      | m <sup>3</sup> /h | 5.0        | 8.9        | 11.8       | 14.1       |
| Gas consumption natural gas (G20)      | m <sup>3</sup> /h | 4.2        | 7.5        | 10.3       | 12.3       |
| Gas consumption propane (G31)          | kg/h              | 3.8        | 5.7        | 7.9        | 9.5        |
| Sound level (@ 8 meter)                | dB(A)             | 65         | 65         | 70         | 70         |

\*Also available for G30 (butane) operation



Rear view DHX 40 and DHX 75



Rear view DHX 100 and DHX 120

# Control options

## Control options

The DHX is equipped with a digital control board that can be controlled via a room thermostat or the poultry house computer system through an RT contact.

On the side of the component box, a display is fitted. This allows direct operation of the unit (on/off), monitoring operation status, manual fault reset and switching the unit to (summer) ventilation mode.

|                                               |                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------|
| <b>On/Off Thermostat – IP794209</b>           | : splash-proof, with a temperature range of -20°C to +40°C, 6 Amp. |
| <b>External alarm set – GA4009</b>            | : for adding an external alarm output.                             |
| <b>Alarm signal + reset set – GA4012</b>      | : for adding an external alarm output and resetting the unit.      |
| <b>0-10V Input control set – GA5906</b>       | : for control using a 0-10V signal.                                |
| <b>Isolator Switch 230 V, 25 Amp – IK5282</b> | : for disconnecting the power supply during maintenance.           |



## PRICELIST

### Gas fired warm-air heater DHX-series

| DHX series | Natural gas (G20) |             | Propane (G31) |             |
|------------|-------------------|-------------|---------------|-------------|
|            | Price €           | article no. | Price €       | article no. |
| DHX 40     | 2545              | PDX40A0G20  | 2545          | PDX40A0G31  |
| DHX 75     | 3010              | PDX75A0G20  | 3010          | PDX75A0G31  |
| DHX 100    | 3395              | PDX10A0G20  | 3395          | PDX10A0G31  |
| DHX 120    | 3770              | PDX12A0G20  | 3770          | PDX12A0G31  |

### Accessories DHX-series

| DESCRIPTION                                              | Price € | article no. |
|----------------------------------------------------------|---------|-------------|
| On/off thermostat -20°C / +40°C, water resistant to IP65 | 193     | IP794209    |
| Remote status reader                                     | 423     | GD3202      |
| Interface board for modulating burner control            | 382     | IB5902      |
| Service set alarm contact                                | 30      | GA4009      |
| Service set alarm-reset                                  | 149     | GA4012      |
| Suspension kit (4 chains of 110 cm + 8 carabiners)       | 79      | GA8572      |
| Service parts box for DHX                                | 1599    | GA4006-2    |
| DXF fan                                                  | 655     | PDF5000     |

| GAS CONNECTION 3/4"                                                                                        | Price € | article no. |
|------------------------------------------------------------------------------------------------------------|---------|-------------|
| Gas hose 3/4" L 2000mm - CE approved - incl. nipples                                                       | 412     | IP779055    |
| Gasball valve+ filter set 3/4" - incl. nipples                                                             | 156     | GD4000      |
| Gas pressure regulator set natural gas- incl. nipples - inlet pressure max.200mbar, 27mbar outlet pressure | 172     | GD4004      |
| Gas pressure regulator set propane - incl. nipples - inlet pressure max. 1,75 bar, 50mbar outlet pressure  | 210     | GD4006      |

# Winterwarm DHB

Coming  
in 2027

## Characteristics:

- Open combustion system
- 100% efficiency
- Effective heating
- Robust stainless steel casing
- Splash-proof (IPX4B)
- RT contact for connection to poultry house computer



**The Winterwarm DHB is a conventional oil-fired warm air heater designed for use in poultry and pig housing**

### **Efficient heat for agricultural applications**

For poultry houses, so-called direct-fired heaters with open-flame combustion are a proven and efficient heating solution used worldwide. The DHB is a cost-effective heating solution that allows you to easily heat the entire house or provide additional heating capacity during peak demand periods.

### **Direct-fired system: maximum efficiency**

Thanks to the direct-fired system, all generated heat is utilised within the house, resulting in 100% efficiency as the combustion gases are released directly into the building. Ventilation fans ensure even distribution of the warm air while transporting combustion gases to the outside. The high-quality oil burner ensures stable, clean combustion with low fuel consumption, contributing to lower operating costs.



## PRICELIST

### Oil fired warm air heater DHB-series

| DHB series | Price €            | article no. |
|------------|--------------------|-------------|
| DHB 100    | Price upon request | xxxxxxx     |
| DHB 120    | Price upon request | xxxxxxx     |



DHB

#### Robust design, low maintenance

The fully stainless steel casing ensures a long service life and excellent resistance to harsh conditions. Key components are protected within a splash-proof enclosure, making cleaning easy and keeping maintenance to a minimum. This guarantees an efficient heating solution with maximum operational reliability.

#### Reliable heating solution

The DHB series can be easily connected to a climate computer or room thermostat. The units are equipped with a digital control board that manages the ignition process and performs regular self-checks to minimise the risk of failure. Each unit is thoroughly tested, ensuring safe and consistent operation you can rely on.

# Winterwarm lighting

At Winterwarm, we offer not only innovative heating solutions, but also high-quality LED lighting for a wide range of commercial applications. Through our own brands, WinLed and Luminaid, we provide energy-efficient and reliable lighting designed to create optimal working conditions while helping to reduce energy costs.

Luminaid  Winled 



## Clever lighting solutions

Our lighting solutions are developed and manufactured at our sustainable, BREEAM-5-certified facility in Winterswijk, the Netherlands. From design and production to quality control, the entire process takes place under one roof and is managed in-house.

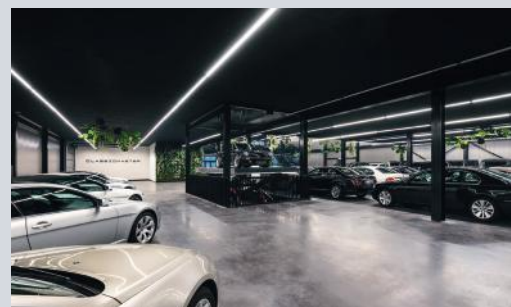
Innovation, sustainability and craftsmanship are at the heart of everything we do. By keeping control of the entire production process, we can ensure consistent quality and maintain high standards throughout.

**WinLed and Luminaid, two strong Winterwarm brands with one shared goal: high-quality lighting that contributes to a more sustainable future.**

With Luminaid, we offer advanced linear lighting solutions for demanding environments, including the food industry (HACCP), cold stores and freezer facilities, workshops and car parks. WinLed offers high-quality luminaires for a wide range of commercial environments, from production halls and warehouses to offices.

Every situation calls for a tailored approach. That is why we start with a thorough assessment of the premises and their energy requirements. Our experts look at the existing lighting system, energy consumption and potential savings, as well as comfort and sustainability requirements. This enables us to develop a lighting solution that is perfectly suited to the specific application.

# Smart and efficient lighting!



*Luminaid applications*

### Advanced linear lighting from Luminaid

Luminaid linear lighting is specially developed for demanding industrial applications. The luminaires form a continuous line of light, providing uninterrupted and uniform illumination. The round housing, made from UV-stabilised polycarbonate, is impact-resistant (IK10) and dust- and water-resistant (IP65). Flexible control options allow each lighting plan to be configured to meet the specific requirements of the application.

#### The Luminaid range consists of:

- DATALUX.LT
- DATALUX.AC
- NEXTGEN

### High-quality luminaires from WinLed

WinLed lighting solutions combine high efficiency with excellent light output. The high-quality aluminium housing provides excellent heat dissipation and low energy consumption. The luminaires can be positioned freely along the lighting line, allowing the light distribution to be tailored to the specific requirements of each project.

#### The WinLed range consists of:

- Skyline linear lighting
- Retrofit renovation modules
- Prefab surface-mounted luminaires
- Recessed ceiling panels



*WinLed applications*



Want to know more? Our lighting experts are happy to help.  
Call 01925 765799 or email [enquiries@winterwarmuk.com](mailto:enquiries@winterwarmuk.com).

For more information, visit [winterwarm.co.uk/lighting](http://winterwarm.co.uk/lighting).



## Notes

[illegible]



## 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.



Curious about our projects?  
Check [www.winterwarm.com/projects](http://www.winterwarm.com/projects)  
or scan the QR code!

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# Winterwarm