

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



Winterwarm QSE-series

The Qwikshift QSE is an all-electric hybrid air heating system that combines a heat pump with an innovative booster and smart control, providing sustainable heating and cooling.



Winterwarm 

Characteristics Winterwarm QSE:

- 100% electric
- Heating and cooling
- No CO₂ 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



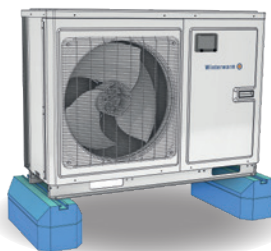
Wall suspension



Cantilever brackets M and L



Suspension using threaded bar



Heatpump on Big Feet



www.winterwarm.co.uk

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

www.winterwarm.com



How does the Qwikshift QSE work?

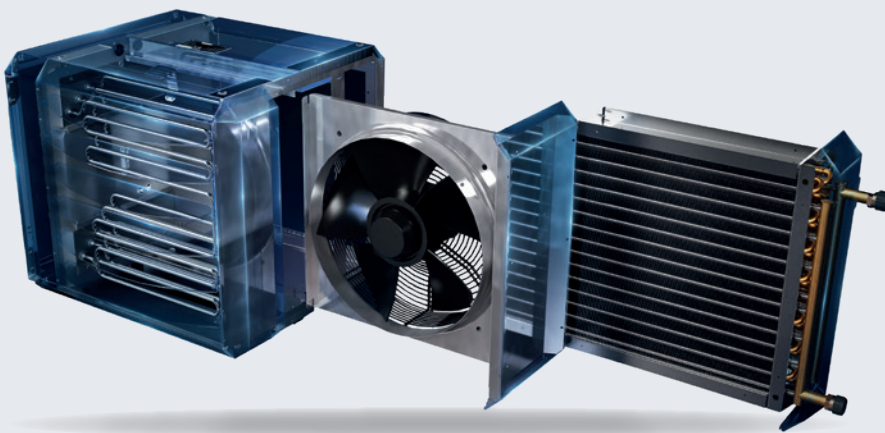
The Qwikshift QSE consists of an outdoor unit, the heat pump, and an indoor unit equipped with a water coil, fan and integrated electric booster. The heat pump provides the required heating capacity for around 80% of the operating time. When additional heating capacity is temporarily required, for example 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

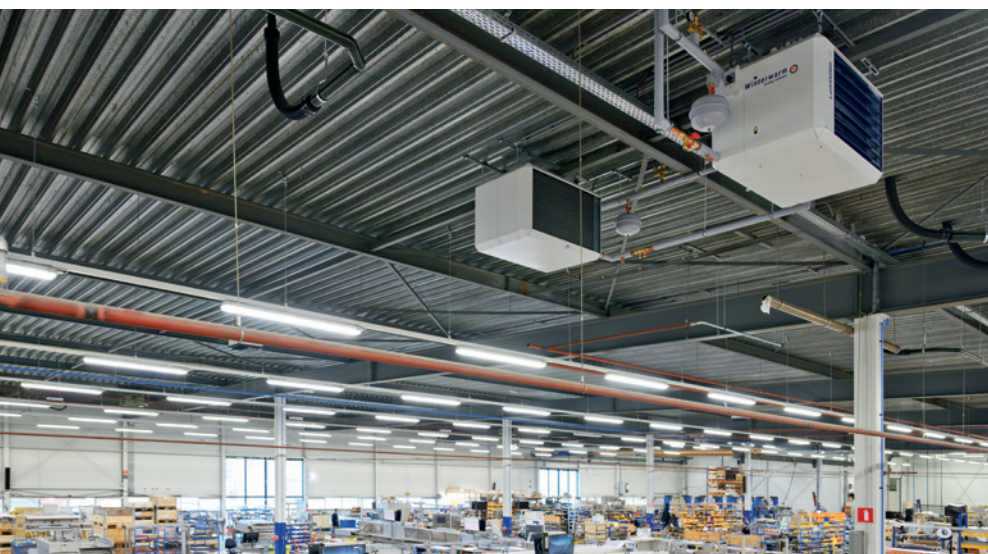
In summer, the heat pump operates in reverse and the QSE uses the same indoor unit to lower the temperature inside the commercial space. This means one system provides a comfortable working environment all year round.

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

That's why Winterwarm!

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

Control Options

The 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

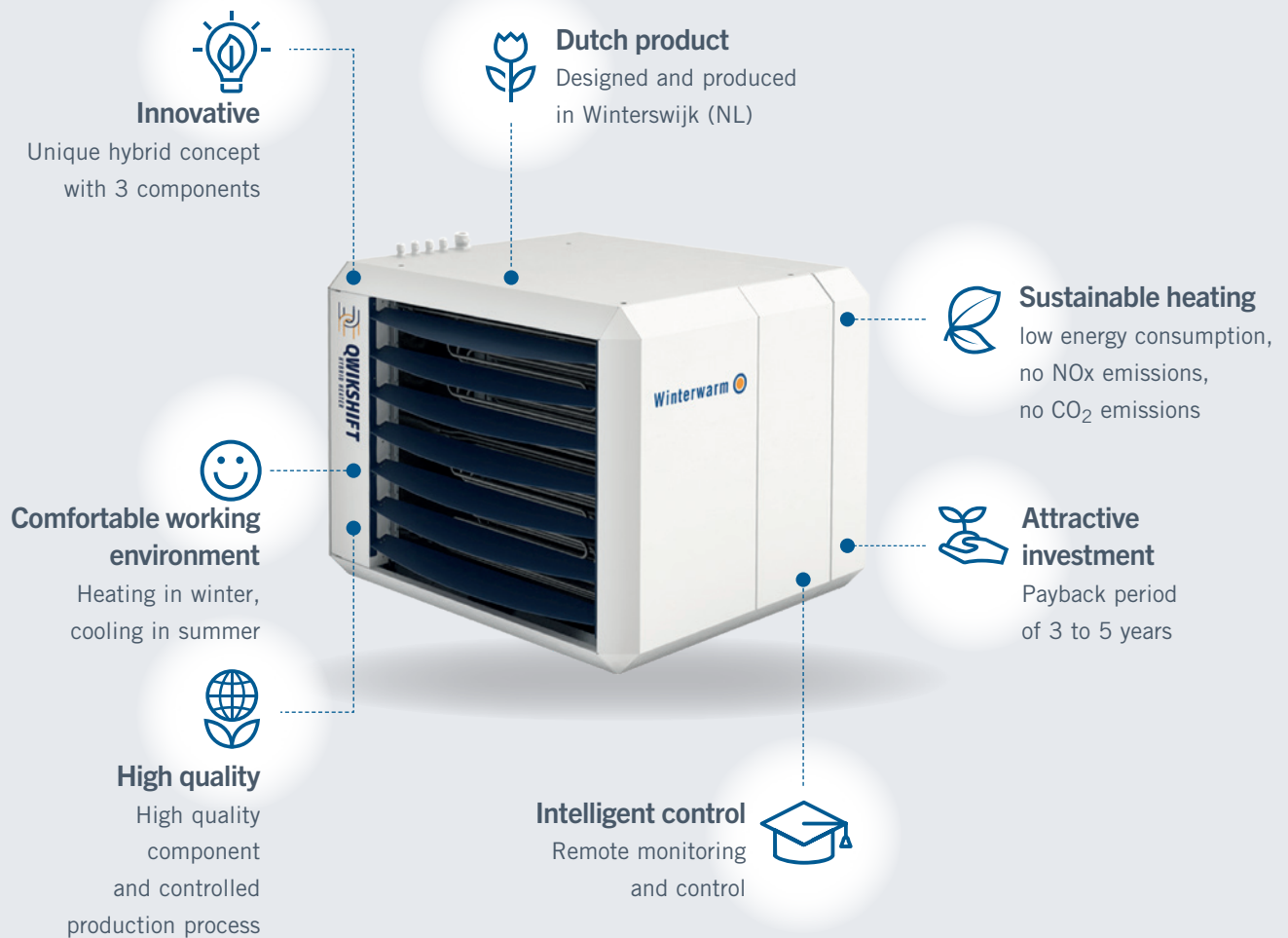


indoor unit + heatpump

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

That's why the Winterwarm QSE!

Whether you want to make your business more sustainable or are moving into a new commercial building without a gas supply, the QSE hybrid air heating system with heat pump is an effective and cost-effective climate solution for larger commercial spaces.



Winterwarm: leading in heating and lighting

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



www.winterwarm.co.uk

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

www.winterwarm.com



Innovative heating and lighting solutions

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

Versatile and applicable everywhere, a world of possibilities

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



www.winterwarm.co.uk

Curious about our projects?

www.winterwarm.com



Winterwarm Heating Solutions BV

Olden Goorweg 1 P.O.Box 36 NL-7100 AA Winterswijk The Netherlands
T +31 (0)543 54 63 00 info@winterwarm.nl www.winterwarm.com

Winterwarm UK Ltd.:

Tel. +44 (0)192 57 65 799 enquiries@winterwarmuk.com www.winterwarm.co.uk



Winterwarm