

For clean air and a healthy poultry house environment.



Winterwarm DXE-series

The Winterwarm DXE is an efficient gas-fired warm air heater for poultry houses, designed to be installed outside the building.

Winterwarm 

Characteristics Winterwarm DXE:

- Outdoor installation
- No CO₂ 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. CO₂, 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.

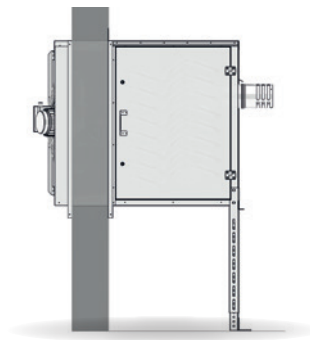
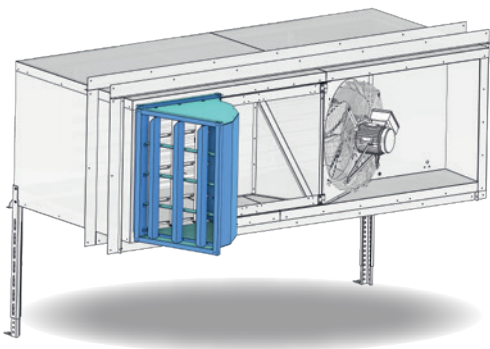
For clean air and a healthy poultry house environment.

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)



www.winterwarm.co.uk

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

www.winterwarm.com



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 CO₂ 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 m³/h).

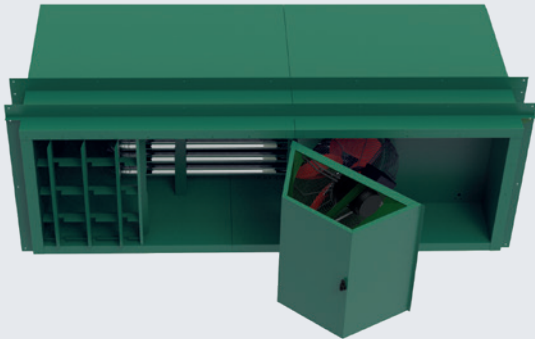


Technical data DXE series

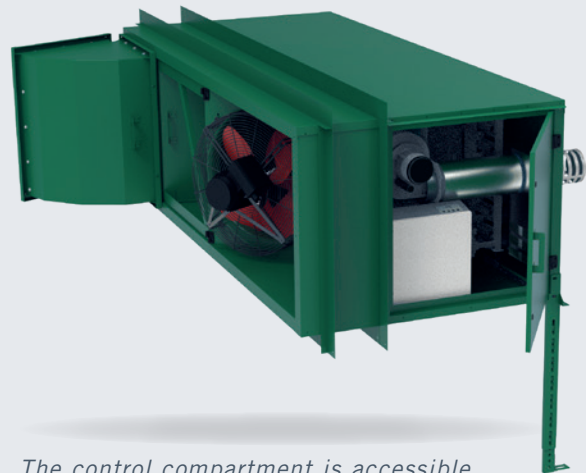
Type	Unit	DXE 80	DXE 100
Article number for natural gas version*		PDE02A0G20	PDE03A0G20
Article number for propane version*		PDE02A0G31	PDE03A0G31
Nominal heat input	kW	83	108
Nominal heat output	kW	76	99.1
Efficiency maximum power	%	91.5	91.8
Air output	m ³ /h	8000	10000
Throw	m	45	50
Weight	kg	282	311
Gas consumption natural gas (G25)	m ³ /h	9.9	12.8
Gas consumption natural gas (G20)	m ³ /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.

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 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.



For clean air and a healthy poultry house environment.

That's why the Winterwarm DXE is the perfect choice!

With the Winterwarm DXE air heater, you're selecting an energy-efficient and safe heating solution that efficiently and economically heats poultry houses. Thanks to its powerful fan, heat is evenly distributed, ensuring comfort for both people and animals.



Easy maintenance
The stainless steel housing is easy and quick to clean

Dutch product
Designed and produced in Winterswijk (NL)

Zero % CO₂
Less ventilation = less energy loss = lower costs

Improved air quality
Reduces humidity and lowers ammonia emissions

Robust construction
Insulated steel casing with coating and stainless steel burner tubes

High quality standards
High quality component and controlled production process

Reliable
Already on the market for 10 years

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?
Check our website or scan the QR code!**



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