

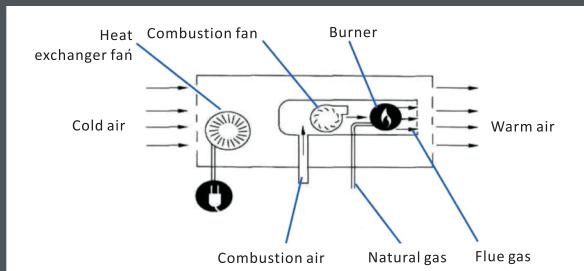
KEYWARM[®]

We Ignite Success

KFDH High-Temperature Disinfection Dryer

HOW IT WORKS

When the thermostat calls for heating, the circulating fan starts first. Subsequently, the combustion fan is activated, and the ignition control system initiates the ignition and combustion process. The combustion products are mixed with the circulating air and delivered to the heated space, achieving the purpose of heating.



Features

- Dual positive (twin-fan) direct-fired warm air heater, a world-first, with patented invention.
- Two independent blower fans, with the combustion blower drawing in fresh air from outdoors, preventing indoor oxygen deficiency.
- Input power: 80/100kW.
- Natural gas or propane.
- Flameout protection, fan failure protection, overheating protection.
- Outdoor installation.

Applications

- African Swine Fever high-temperature drying and disinfection rooms.
- Other high-temperature drying situations.



Advantages/Benefits

- Outdoor installation, burning outdoor air for thorough combustion and preventing flameout.
- Outdoor unit design, adaptable to any weather, eliminating the need for constructing separate outdoor installations for warm air heaters.
- Gas pipelines do not run indoors, reducing the risk of gas leaks and eliminating the need for expensive gas leak alarm systems.
- Top return air and bottom supply air system, minimizing temperature differences between the top and bottom.
- Ground-level blowing, ensuring thorough drying with no dead angles on the chassis and wheels of the truck.
- Rear circulating fan, thoroughly drying the interior of the carriage.
- Standard equipped with heat recovery ventilator, achieving both dehumidification and energy-saving, accelerating efficient drying and sterilization.
- Temperature/humidity/time comprehensive control system, enabling manual and fully automatic drying control throughout the process.



Upper return air duct and lower supply air duct inside the drying room (three-sided air outlet)



Dryer unit and heat recovery dehumidification device outside the drying room

Technical Parameter

High-temperature disinfection dryer	KFDH80	KFDH100	KFDH100-PLUS
Output power	80 kW	100 kW	100 kW
Hot air flow	3,500 m ³ /h	4,000 m ³ /h	4,000 m ³ /h
Control power	220V/50Hz/60W	220V/50Hz/65W	220V/50Hz/65W
Power supply	380V/50Hz/1500W	380V/50Hz/1500W	380V/50Hz/1500W
Natural gas consumption (8,900kcal/Nm ³)	7.73 m ³ /h	9.67 m ³ /h	9.67 m ³ /h
Natural gas supply pressure (11,000kcal/kg)	2.0kPa	2.0kPa	2.0kPa
Propane consumption (11,000kcal/kg)	6.25 kg/h	7.81 kg/h	7.81 kg/h
Propane supply pressure	2.8kPa	2.8kPa	2.8kPa
Overall dimensions L x W x H	870x 640 x 600mm	870 x640x 600 mm	1,020x640x 750 mm
Weight	58 kg	58kg	70kg

Heat recovery device	KWHRV-2500
Airflow	2x2,500 m ³ /h
Fan power supply	220V/50Hz/800W
Overall dimensions L x W x H	1,050 x 605 x 1,150 mm
Weight	90kg

Typical Installation

