

KG Jet Heater Series



KG Jet Heater Series Introduction



- Designing a safe box for installing all electrical and fuel system, which, in addition to high safety and ease of repair, adjustment and replacement of parts, prevents obstruction in the air flow path.
- Complete combustion and high air circulation in this heater, in addition to keeping the amount of carbon dioxide in balance, causes uniform heat distribution.
- Very high quality and reasonable price of this heater are the most important reasons for choosing it by users.
- The complete combustion of the fuel enhances the device performance.
- Four global standards and European Union certification (CE).
- Equipped with hand carrying handles on four sides of the device for easy carrying.
- It has two ventilation fan motors and a burner.
- Dual motor



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KG Jet Heater Series Performance

KGJ by designing and producing direct flame jet heaters and making fundamental changes in the control and flame formation system and manufacturing an efficient safety system compared to the existing old models, has introduced its jet heaters in two models, 55 and 60, to the domestic and foreign markets. Optimal operation with gas and gasoil and high efficiency (nearly %100) are the main reasons for the popularity of this heating system for use in greenhouses, poultry farms.

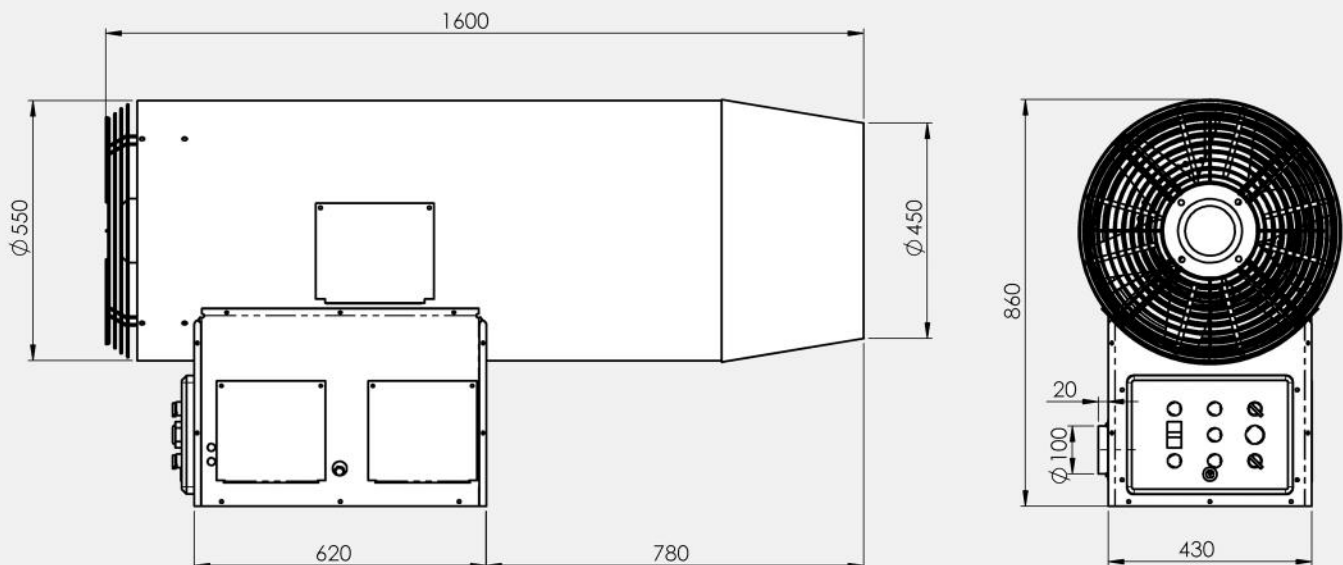


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KG Jet Heater Series Technical Features

Features	Unit	Jet 60	Jet 55
Power Supply	V/Hz	1*220/50	1*220/50
Net Weight	Kg	86	72
Dimensions (Length, Width, Height)	cm	160*61*95	160*55*87
Base Dimensions	cm	97*39	97*39
Outlet Diameter	cm	52	45
Outlet Airflow Rate	CFM	5800	4700
Outlet Airflow Rate	m ³ /h	10000	8000
Heat Transfer Surfaces Area	m ²	1/2	0/8
Maximum Thermal Power	Kcal	100000	90000
Electric Motor	HP/RPM	1/1400	1/1400
Fan Diameter	V/Hz	58	52



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KG Jet Heater Series Structure

- KGY jet heater has a body made of hot galvanized material with furnace electrostatic powder paint with protective and optical resistance.
- Equipped with DANFOSS gasoil pump made in Denmark and DUNGS gas gradual valve made in Germany.
- For easy access, all accessories and parts of the burner and control system are placed in the box.
- The combustion chamber made of stainless steel.
- Separate motor to supply oxygen to the burner (dual motor).
- Equipped with an emergency thermo-switch to prevent out-of-control operation in emergency situations.
- Equipped with a steel fan with direct coupling to the electric motor







KG Jet Heater Series



KG Jet Heater Control

- The electrical and mechanical panel is equipped with several control sensors guarantee the correct and safe operation of the heater.
- Place of connection to automation, environmental thermostat and other industrial controllers for fully automatic operation of the device.
- Equipped with photocell and ion sensors to control the flame
- Polymer waterproof control panel.

<p>Gasoil pump: It is used to transfer gasoil to injector and to provide the essential gasoil pressure behind the nozzles. Pump driving force is used by burner electromotor. (Direct couple)</p>		<p>Central digital controller: Controls the operation of the burner, the main fan and issues all control and safety commands. High accuracy, long service life and ease of installation and replacement are important features of the central digital control unit.</p>	
<p>Mode selection switch: Using zero and one keys to start the fan independently when you need to ventilate the place without heating</p>			<p>12 A Contactor: Contactor is used for controlling different charges including electromotors, circuits and other electrical equipment.</p>
<p>Gasoil filter: in order to prevent impurity entrance into the burner pump and blockage of the nozzles, gasoil filters are used.</p>		<p>Burner Relay: The Burning Control Unit (BCU) is responsible to control the combustion process and in case of problems, it turns off the flame and informs with an error message.</p>	
<p>Handle: special foldable handles are designed for convenient and safe movement.</p>			<p>Microswitch: It is responsible to control the operation of the fan device, so that if it is off, it prevents the burner from turning on and causing a fire.</p>
<p>Air pressure controller: This part ensures the correct operation of the burner fan, and if the amount of air entering the device does not reach the required level, it will automatically cut off the gas or gasoil flow of the device. This prevents the accumulation of gas in the combustion chamber and avoids serious dangers.</p>			