

# ECO250 Heater Series



## ECO-250 Warm Air Furnace Introduction



- Heating, fresh air, recirculation
- Knowledge-based with a patent certificate number 54171
- Four global standards and European Union certification (CE)
- Non-pollution certificate (carbon Zero) from the National Standard Research Institute of Iran
- Solid and quiet, chassis system with quick assembly
- Body made of hot galvanized material with furnace electrostatic powder paint with protective and optical resistance.
- Equipped with an axial fan that moves a large volume of air
- Can be installed inside and outside the hall
- Distribute the warm air through a duct system or free blowing
- Exhaust to remove combustion products
- Ability to assemble on site for hard-to-reach areas
- High safety, efficiency and durability
- Special use in greenhouses, suitable for factories, workshops and large spaces
- Quick heating - sound economy



# ECO250 Heater Series



## Heater Performance 250-ECO

ECO-250 Heater is a warm air heater that use gas and gasoil as it's fuel. It is quick and simple to install these heaters, connect power, oil or gas, and chimney outlet -and the heater is ready.

ECO-250 heaters from KGY are %100 adaptable to individual demands for heating.

The special aerodynamic technology in ECO design is such that the fan is placed at the top of the machine and blows the warm air from the bottom and by this design, the hot air collected at the height of the greenhouse is taken into the heater then heated and blown to the environment from below.

ECO-250 heaters are installed vertically on the ground, using a base or without a base.

ECO-250 heaters are considered a good alternative to other heaters in greenhouses, factories and large halls by quickly and uniformly distributing hot air in the environment and creating the constant temperature during working hours and affordable heating.



# ECO250 Heater Series



## Eco-250 Technical Features

- Placing the fan on top of the machine in order to use the air collected at the height and increase efficiency and eliminate circulation fans.
- steel boiler and multilayer heat exchanger with the highest heating surface
- Pressed and detachable connections
- All parts of the boiler and heat exchanger can be replaced in the shortest possible time
- 9-blade axial fan polyamide with extremely high ventilation (50000 m3/h)

<b>Power supply (phase, voltage, frequency)</b>	<b>3*380/50</b>	<b>V/Hz</b>
<b>Electric power</b>	<b>3/3</b>	<b>KW</b>
<b>Thermal power</b>	<b>250000</b>	<b>Kcal/h</b>
<b>Net weight</b>	<b>192</b>	<b>Kg</b>
<b>Dimensions without base (diameter, height)</b>	<b>90*275</b>	<b>cm</b>
<b>Flue diameter</b>	<b>25</b>	<b>cm</b>
<b>Electric motor</b>	<b>4</b>	<b>Hp</b>
<b>Gas pressure</b>	<b>18-25</b>	<b>mbar</b>
<b>Fuel consumption</b>	<b>18-29 m<sup>3</sup>/h</b>	<b>gas</b>
	<b>16-28 L/h</b>	<b>gasoil</b>
<b>Polyamide axial fan</b>	<b>88</b>	<b>cm</b>
<b>Electric motor and fan speed</b>	<b>900/1400</b>	<b>rpm</b>
<b>The number and dimensions of the air outlet channel</b>	<b>3*35</b>	<b>cm</b>
<b>Heat transfer surfaces area</b>	<b>6/26</b>	<b>m<sup>2</sup></b>

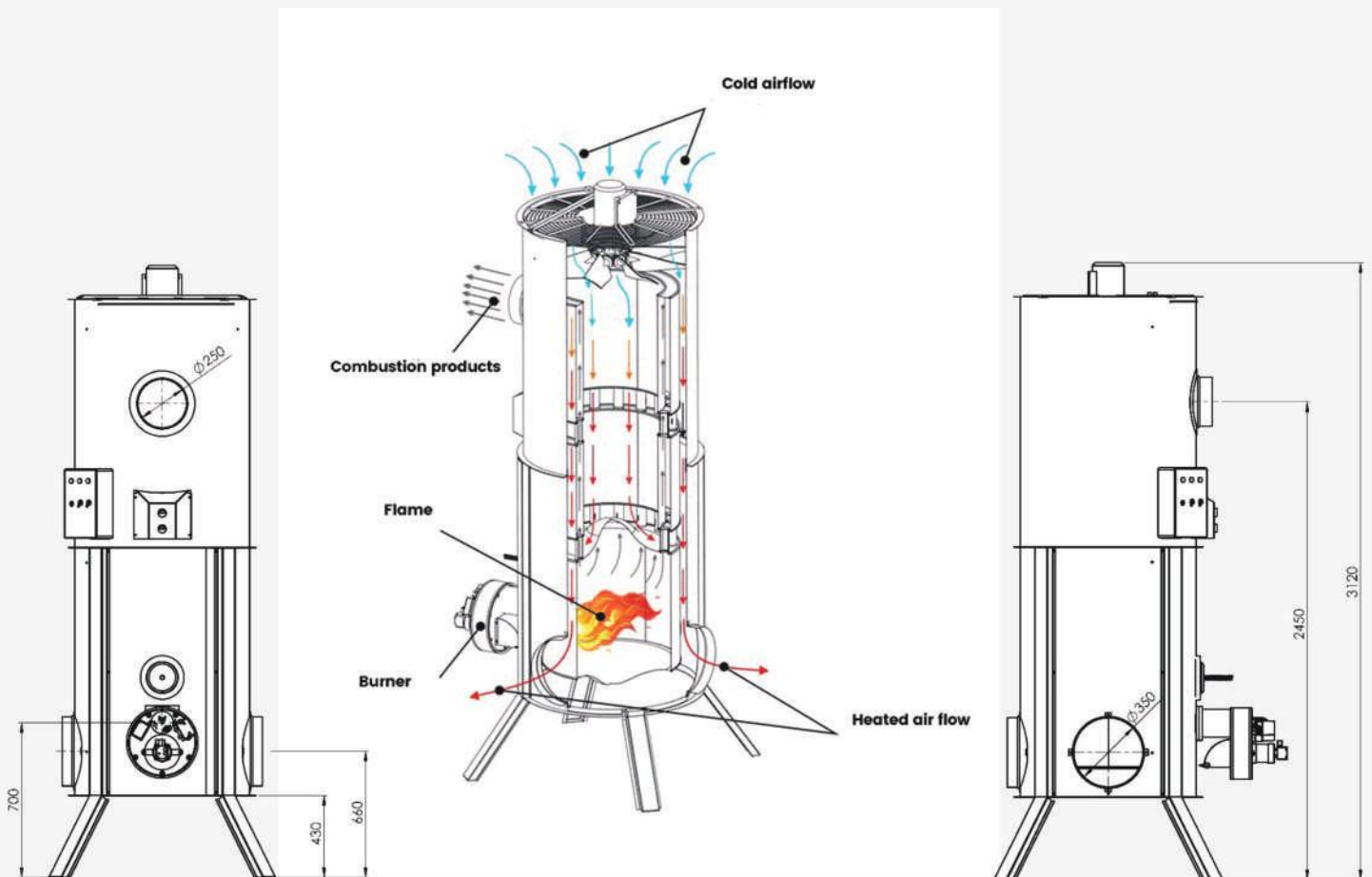


# ECO250 Heater Series



## Eco-250 design

- Uniform heating of the environment in the shortest possible time
- Occupying the least space
- 4 specific handles for easy transportation without the need for a crane
- Can be transported in large numbers by truck resulting in reduced transportation expenses.
- The aerodynamic design of the furnace and the body is in such a way that by creating an uneven flow between the combustion products and the air passing over the furnace, the maximum efficiency is transferred to the heat surfaces.













# ECO250 Heater Series



## ECO-250 control

- ECO-250 heating can be controlled through furnace temperature sensors and exhaust air is controllable by means of fan and burner thermostat with manual adjustment.
- ECO-250 is equipped with a clock programming system through which you can set the heater's on and off time.
- The burner can be turned off through control panel
- High safety with electrical panel equipped with electrical and mechanical control system
- Summer / winter switch only for ventilation

<b>Furnace Analog Thermostat</b>	The task of the analog thermostat is to control the operation of the burner according to the temperature of the furnace. The thermostat prevents the machine from operating out of control and will cause the machine to work optimally and reduce fuel consumption.		<b>Automatic Selection Key</b>	The key to put the machine in automatic mode to automatically start the burner and fan.	
<b>Fan Analog Thermostat</b>	Controlling the operation of the fan according to the temperature of the furnace and keeping the temperature of the outlet air in proper limit.		<b>Contactor 25A</b>	Contactors are used to control various loads including electric motors, circuits and other electrical equipment.	
<b>Phase Load Control</b>	Phase-load control is used to control the voltage level and phase order of the input power, as well as to protect the electric motor and prevent the mixing of thermal current and electrical overload		<b>LED Signal Lights</b>	Indicator lamps show the presence of three-phase electricity in the electrical panel	
<b>The Miniature Fuse</b>	Suitable miniature fuses are used to protect the device from electric short circuit and current increase.		<b>Electrical Panel</b>	The electrical panel is made of the best ABS materials, it is insulated against water and dust and protects the electrical equipment against external factors.	
<b>Manual Fan Selection Key</b>	Using zero and one keys to start the fan independently when you need to ventilate the place without heating		<b>Propeller</b>	Propeller with KGY exclusive design, made of high-quality polymer materials with high temperature tolerance, with specialized dynamic balance to move air with the least noise and the most pressure.	

Tel: +983538369560  
Fax: +983538369560



Website: [www.kgy.ir](http://www.kgy.ir)  
Email: [info@kgy.ir](mailto:info@kgy.ir)