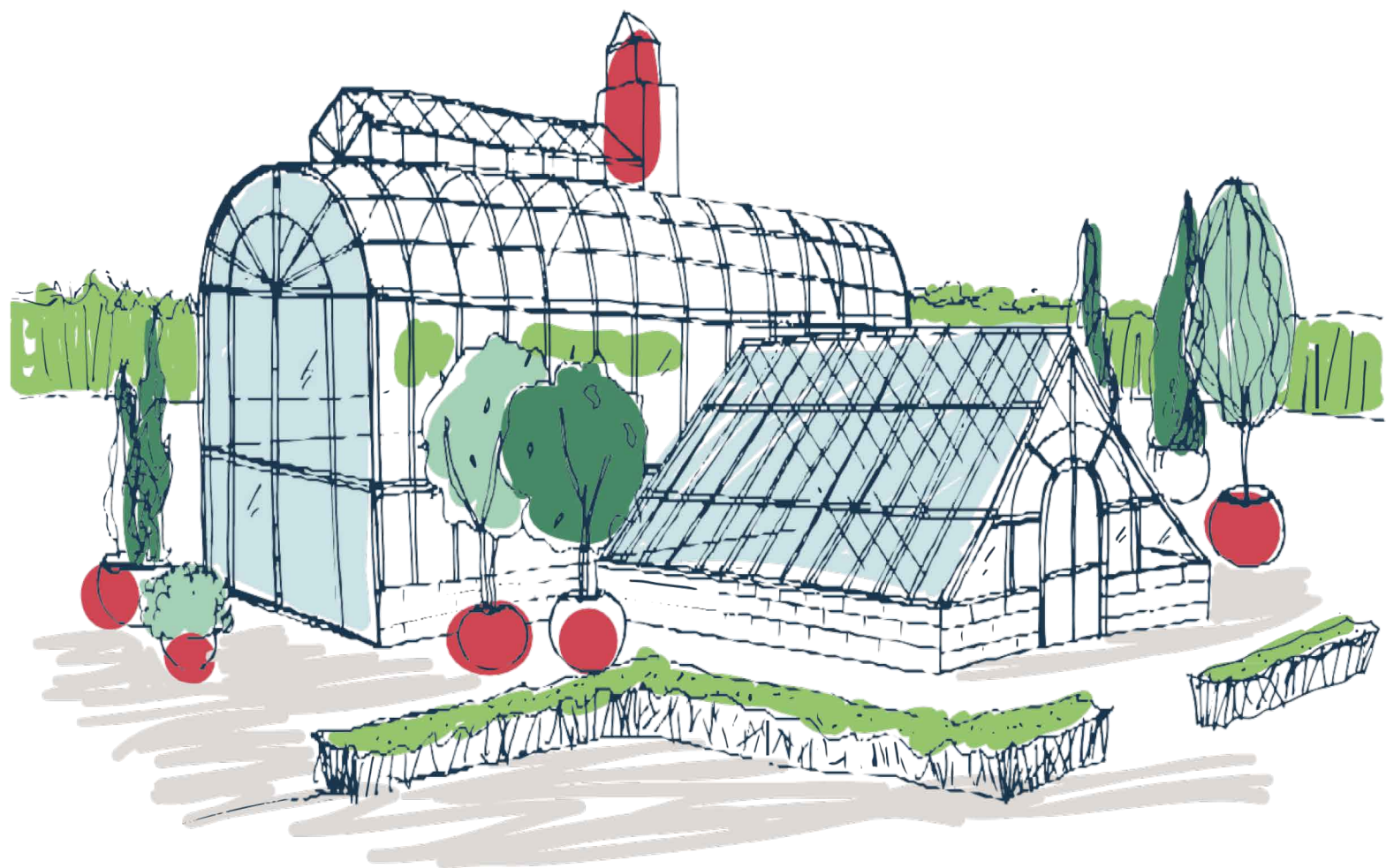























Heating Products

Greenhouse - Poultry - Livestock



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GF2560 - Gas Air Furnac

3



GF2060 - Gas Air Furnace

3



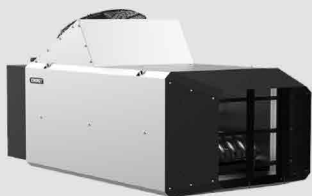
GH0825 g - Gas Fired Unit Heater (Hermetic)

7



GH0845 g - GAS Fired Unit Heater (Hermetic)

7



GH0860-Indirect Gas Fired Heater (Jet-Heater)

11

Introduction

Since 1969, with more than half a century of experience, ENERGY KESHVAR company is one of the largest manufacturers of industrial, commercial and residential heating and cooling systems in Iran.

Considering the importance of agricultural industry and its need for specialized heating systems, we started to produce high efficiency heating system for greenhouse, poultry and livestock.

We are testing the quality and performance of our products in ENERGY KESHVAR high-tech laboratory which is approved by Iran ministry of industry, mine and trade. in the sales engineering department, we provide free consulting services for heating and cooling load calculation and HVAC design to choose the best system and correct layout. product installation is performed by the after-sales service department in shortest time.



Greenhouse Heating

One of the effective factors in the growth of plants, especially in winter, is providing the ideal temperature of the greenhouse, which is a big challenge for investors in this industry based on valid international standards, important technical criteria in the greenhouse heating product are:

Thermal efficiency, Safety, Emission Reduction, Control System and Durability.

All Energy greenhouse products are designed and produced in compliance with these requirements.



Gas Air Furnace GF2060 - GF2560



GF 2060



GF 2560



GF 2060

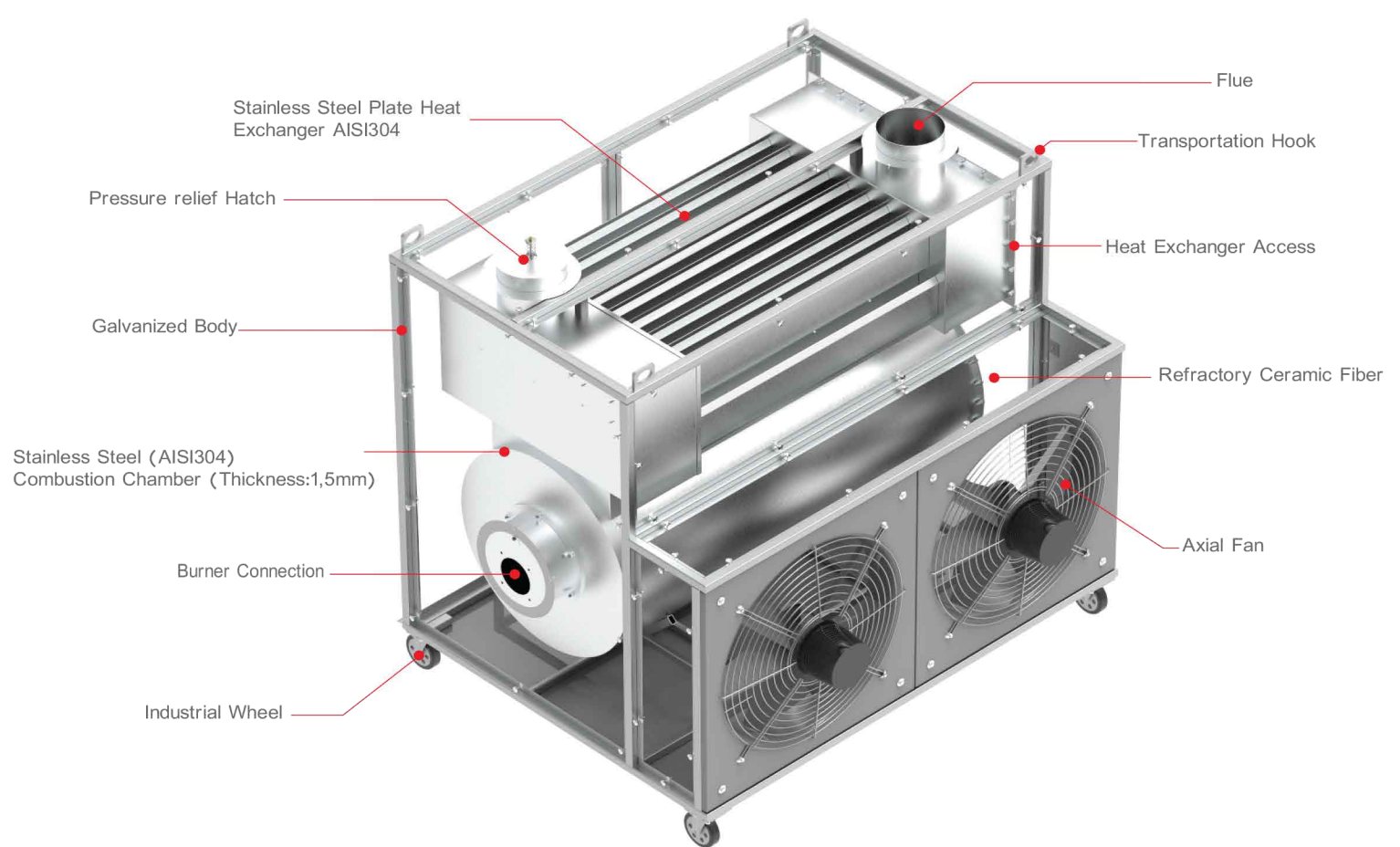


GF 2560



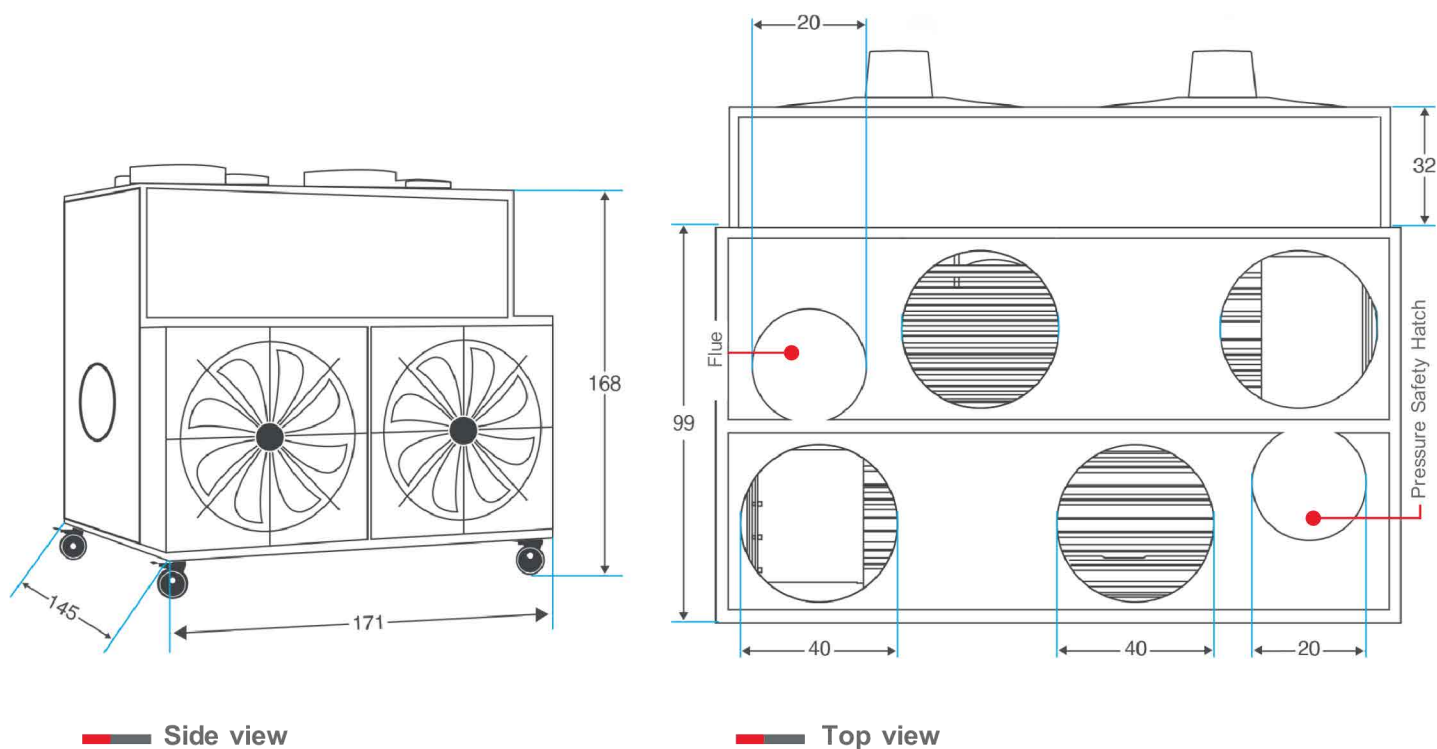
Technical Specifications

Title	Unit	Model	
		GF 2060	GF 2560
Fuel Type	-	NG	NG
Heat Input	kcal/h (kW)	200000 (233)	250000 (290)
Fuel Consumption	m ³ /h	21.3	26.6
Thermal Efficiency	%	80	78
Heating Space	m ³ (Approx.)	3000-5000	4000-6000
Air Flow	cfm	9400	10000
	m ³ /h	16000	17000
Throw	m	12	12
Motor Power	W	600	600
Motor Protection Index	IP	44	44
Flue Loss	%	20	22
Nox Class	-	3	2
Flue Diameter	cm	20	20
Sound Volume	dB (A)	78	78
Electrical	A, v, ph	8-220-1	3-380-3
Dimensions (Height, Length, Width)	cm	168×171×145	168×171×145
Weight(gross)	kg	460	460



Features:

- Design & manufacturing based on EN17082
- High heat transfer and low-pressure drop using a plate heat exchanger
- Stainless steel combustion chamber and plate heat exchanger
- Robust and rust-resistant body (hot galvanized)
- Suitable for high humidity applications
- High safety by fan limit - control
- Delay in fan operating before or after ignition
- Increased reliability pressure relief in the combustion chamber
- Equipped with a thermostatic control system and low fuel consumption
- High efficiency axial fan
- Four Path hot air distributions (Free/with duct length Max:10m)
- Cleanable heat exchanger
- Easy operation and maintenance
- Easy to move (industrial wheels and hooks)
- Indoor installation



Note: All Dimensions; (Centimeter)

Installation requirements:

- Using a standard forced burner (consultation with the sales engineering department)
- Standard flue installation
- Inlet gas pressure: 18mbar
- Clearance Distances: (flammable material at least 100cm, free around air furnace 100cm)



Gas-Fired Unit Heater (Hermetic)



GH 0825 g



GH 0845 g



GH 0825 g

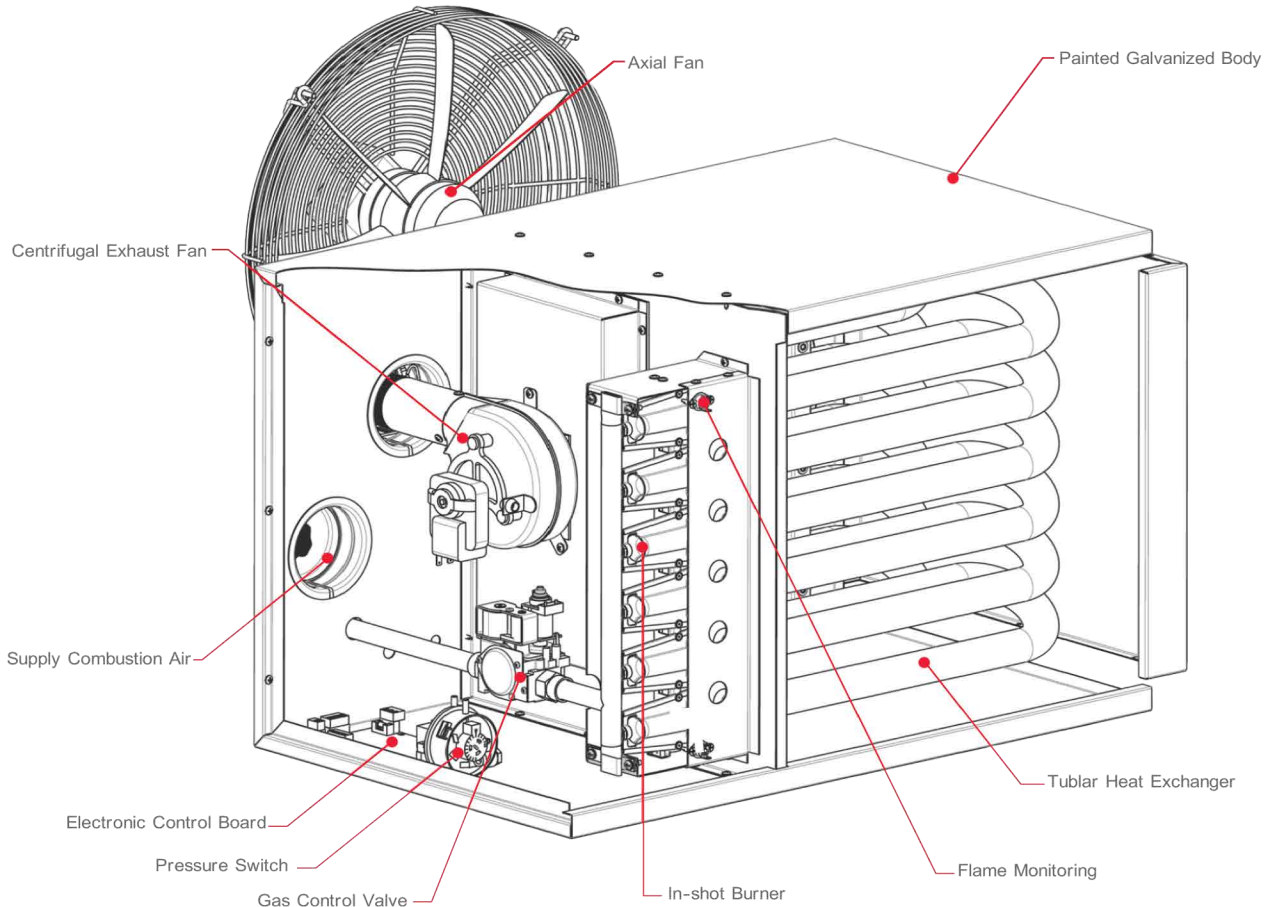


GH 0845 g



Technical Specifications

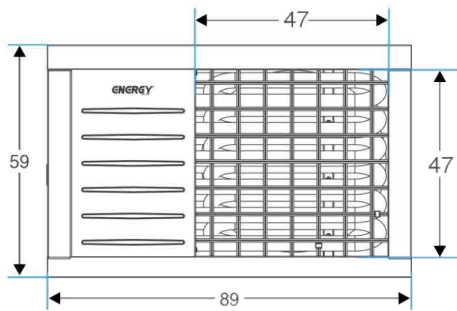
Title	Unit	Model	
		GH 0825 g	GH 0845 g
Fuel Type	-	NG	NG
Heat Input	kcal/h (kW)	25000 (29)	45000 (52)
Fuel Consumption	m³/h	2.6	4.8
Thermal Efficiency	%	82	84
Heating Space	m³ (Approx.)	400-700	700-900
Air Flow	cfm	2060	2060
	m³/h	3500	3500
Throw	m	9	6.5
Motor Power	W	310	140
Motor Protection Index	IP	54	54
Flue Loss	%	18	16
Nox Class	-	3	3
Flue Diameter	cm	10	15
Sound Volume	dB (A)	59	55
Electrical	A, v, ph	1-220-1	1-220-1
Dimensions (Height, Length, Width)	cm	59×89×66	70×100×67
Weight(gross)	kg	55	85



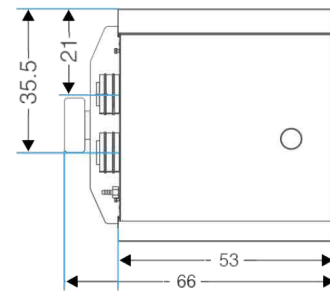
Features:

- CE Certified, 1312CS6199
- Can be installed in environments with humidity up to 90% (except swimming pools)
- High Durability and high corrosion resistance with aluminized steel heat exchanger
- High thermal efficiency and reduce fuel consumption by using the in-shot burner
- Increase thermal surface with tubular heat exchanger
- Fast indoor heating with low noise axial fan
- High Safety by thermostatic fan- limit control system
- Multifunctional gas control valve
- Combustion air supply from outside (type C) or inside (type B)
- Delay in fan operation before or after ignition
- Forced draft flue with rust resistance centrifugal exhaust fan
- High safety by fan Limit control, thermostatic and gas control valve
- Robust and rust-resistant
- Automatic troubleshooting
- Flame monitoring
- Low fuel consumption with indoor temperature control by thermostat
- User friendly with automatic ignition
- Ability to install on base or wall
- Adjustable air distribution with a special damper
- Indoor Installation

GH 0825 g

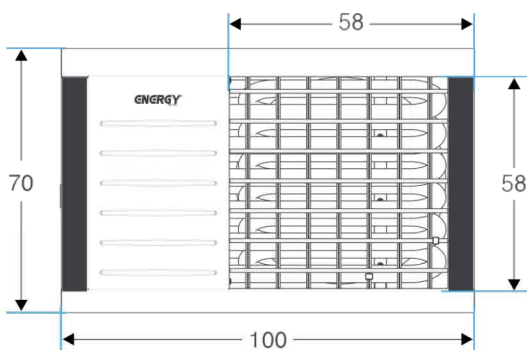


Front View

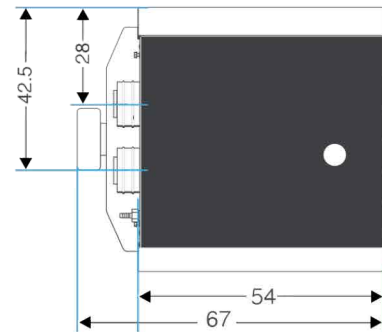


Side View

GH 0845 g



Front View



Side View

Note: All Dimensions: (Centimeter)

Installation requirements:

- Pressure balance in the building: Pressure unbalancing can affect on combustion product discharge (Consultation with the sales engineering department)
- Standard flue installation
- Inlet gas pressure: 18mbar
- Clearance Distances: (flammable material at least 100cm, free around heater 100cm)



Indirect Gas – Fired Heater (Jet-Heater) GH 0860

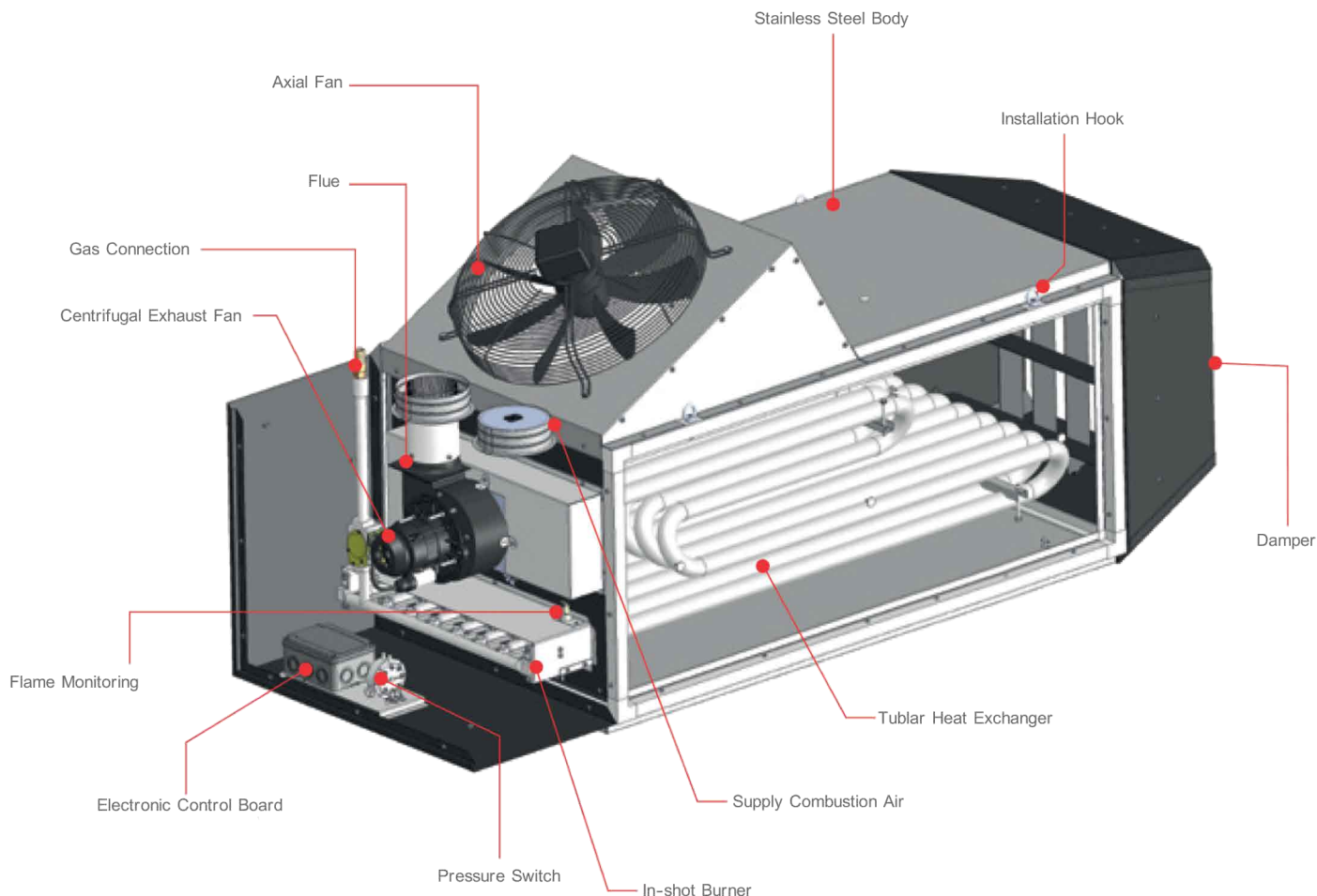




GH 0860

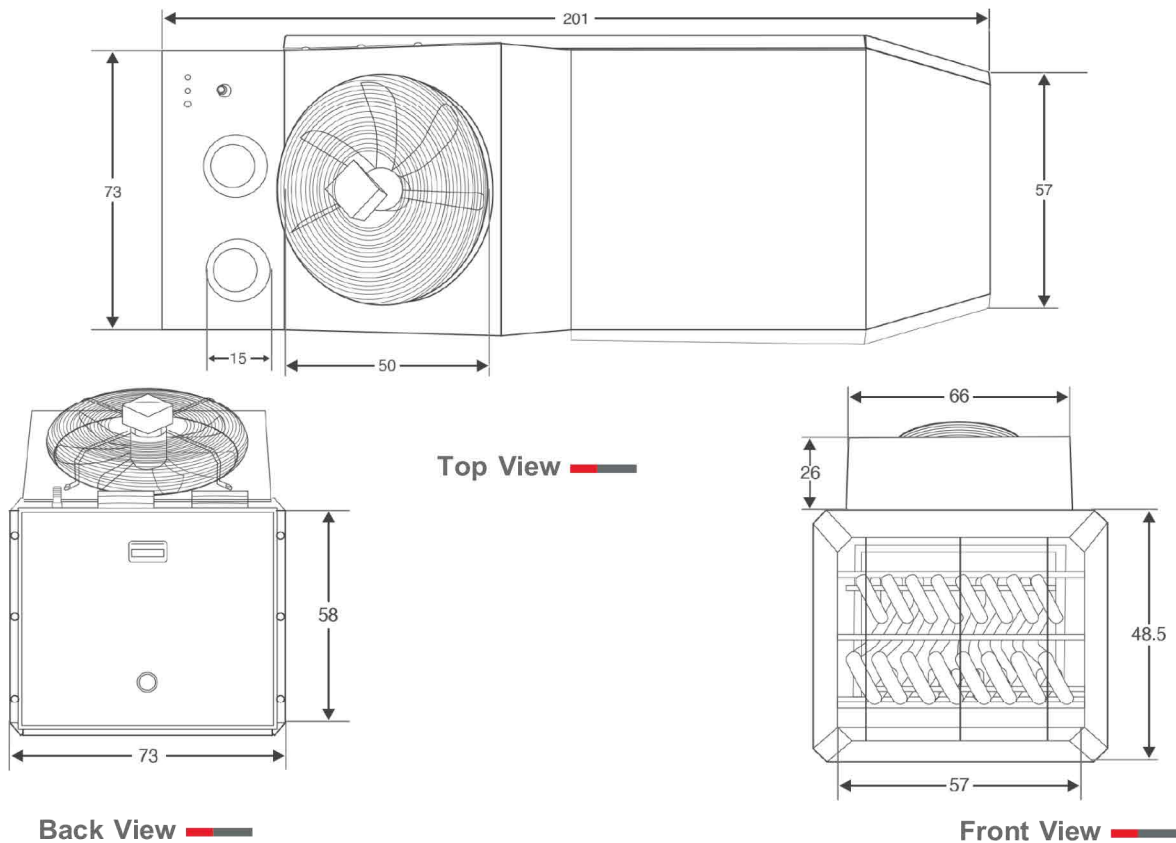


Technical Specifications		
Title	Unit	Model
		GH 0860
Fuel Type	-	NG
Heat Input	kcal/h (kW)	60000 (70)
Fuel Consumption	m³/h	6.3
Thermal Efficiency	%	85.5
Heating Space	m³ (Approx.)	1200
Air Flow	cfm m³/h	3235 5500
Throw	m	12
Motor Power	W	610
Motor Protection Index	IP	54
Flue Loss	%	14.5
Nox Class	-	4
Flue Diameter	cm	15
Sound Volume	dB (A)	75
Electrical	A, v, ph	1-220-3
Dimensions (Height,Length,Width)	cm	96×193×73
Weight(gross)	kg	120
Combustion Air Diameter	cm	15



Features:

- CE Certified, 1312CS6199
- Design & manufacturing based on EN17082
- High thermal efficiency and reduce fuel consumption by using the in-shot burner
- Increase Thermal surface with tubular heat exchanger
- High Durability and high corrosion resistance with aluminized steel heat exchanger
- Fast indoor heating with axial fan
- Low electrical power consumption
- High Safety by thermostatic fan- limit control
- Multifunctional gas control valve
- Combustion air supply from outside (type C) or inside (type B)
- Delay in fan operation before or after ignition
- Forced draft flue with rust resistance centrifugal exhaust fan
- Flue function control
- Automatic troubleshooting
- Flame monitoring
- Low fuel consumption with indoor temperature control (thermostat)
- User friendly (automatic ignition)
- Adjustable air distribution with a special damper
- Robust and rust-resistant
- Washable body (stainless steel)
- Ability to hanging installation
- Indoor Installation



Note: All Dimensions: (Centimeter)

Installation requirements:

- Standard flue installation
- Inlet gas pressure: 18mbar
- Pressure balance in the building: Pressure unbalancing can affect on combustion product discharge (Consultation with the sales engineering department)
- Clearance Distances: (flammable material at least 100cm, free around heater 100cm, from outlet side 500cm)

