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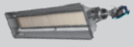
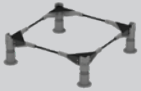
Since 1969




# General Catalogue

# Heating

| | | | |
|---|---|---|---|
|  Page 1  Page 3  Page 5 | GH 0625 / GH 0640<br>GH 0618 / GH 0825 / GH 0845 / GH 0860 | Gas | HEATER |
|  Page 7  | KH 0320 / DH 0510 | Gasoil-Kerosene | |
|    Page 9   Page 11 | GR 0030 / GR 0055<br>GR 0095 / GR 0100 / GR 0200 | Gas Inferared | |
|  Page 13  | EH 0045 / EH 0150 | Electrical | |
|  Page 15  Page 17  Page 19  Page 21  Page 23 | GF 0760 / GF 1560 AX<br>GF 1560 / GF 3060 / GF 2060 / GF 2560 | Gas | AIR FURNACE |
| | OF 0700 / OF 1500 AX<br>OF 1500 / OF 3000 | Gasoil | |
|  Page 25  | DW 250 / DW 0430 / DW 0450 | Gas | SPOT HEATER |
| | GW 0260 / GW 0460 | Gasoil | |
| Page 55 | Gas - Fired Unit Heaters | Comparison and size | TABLE |
| Page 56 | Gas - Fired Unit Heaters | | |
| Page 57 | Natural Gas Pipe Sizing | | |

| | | | |
|---|---|---|---|
|  Page 27  Page 29  Page 31 | EC 0280 / EC 0550e<br>EC 0700e / EC 0350<br>EC 0550 / EC 0700 | SIDE-FLOW | INDUSTRIAL EVAPORATIVE COOLER |
|  Page 33  Page 35 | EC 0750 B / EC 0750 PB | Variable Speed(BLDC) | |
|  Page 37 | VC 0380 / VC 0600 | UP-FLOW | |
|  Page 39  Page 41 | EC 1100 T<br>EC 1800 / EC 2500 | SIDE-FLOW | RESIDENTIAL - COMMERCIAL EVAPORATIVE COOLER |
|  Page 43 | AC 2000 B<br>(BLDC) | | |
|  Page 45  Page 47  Page 49  Page 51 | GH 0660 / GM 0680 / GM 0725<br>EH C5000 / EH F5000 | Dual Modes | DUCTED HEATING &COOLING |
|   Page 53  | FC 0280 | Cooler Stand | STAND |
| | FC | Terrace heater base | |
| | FH | heater base | |

EU Standard

Eurasian Union Standard

ISIRI

ERP Standard

High efficiency

External combustion air supply

Exhaust fan

Fast heating

Flue sensor

Low noise

Wind protection

Easy locating

Thermostat

Timer

Easy maintenance

Moisture Resistant

Automatic

Electric spark ignition

Summer operation

Easy installation

Fan

Air filter

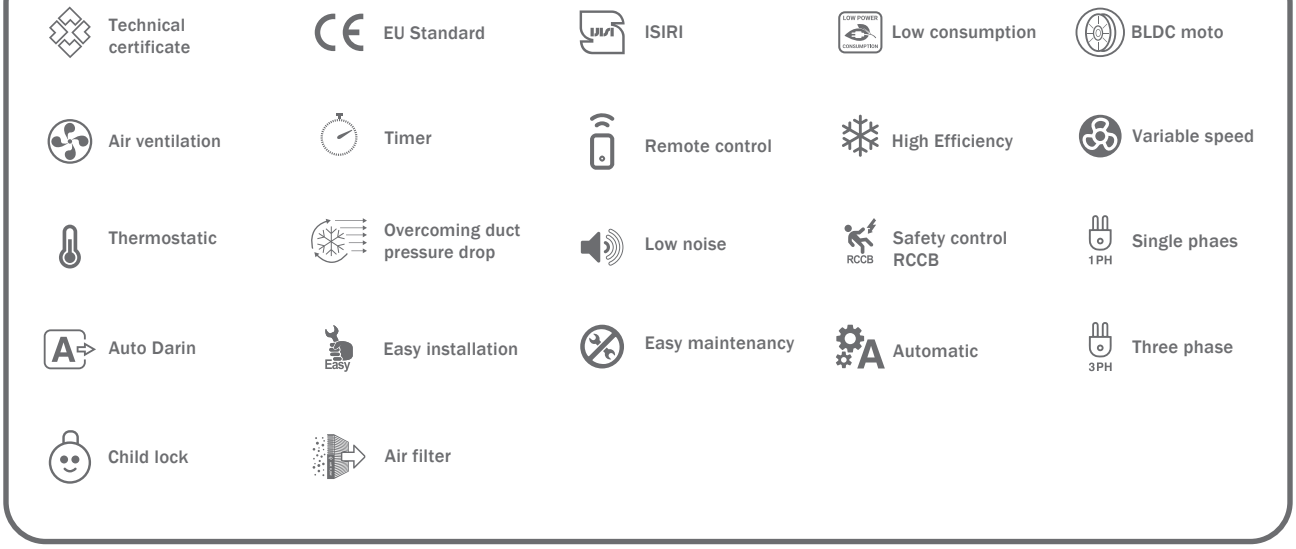
Three phase

Single phaes

**NG:Natural Gas**

**LPG:Liquefied Petroleum Gas**

# Guide to symptoms



# Gas – Fired Unit Heater

## (GH 0625)


GH 0625

## (GH 0640)


GH 0640

**Applications:** Industrial, Commercial

## Features:

- CE Certified, 1312BT5186
- High thermal efficiency
- Fast heating, low noise and high efficiency axial fan
- High safety
- Gas control valve (SIT Group - ITALY)
- High safety by fan limit control system
- Heat exchanger overheating protection
- Flue with exhaust fan and control sensor as order (except LPG type)
- Flam monitoring system
- Thermostatic control (as order)
- Ability to base and wall mounted
- Natural gas - convertible LPG (except type A)
- Indoor Installation

| Specifications | Unit | GH 0625 | GH 0625L | GH 0640 | GH 0640L |
|---|---|---|---|---|---|
| Fuel Type | - | NG | LPG | NG | LPG |
| Fuel Consumption | Per hour | 2.7 $m^3$ | 1.8 kg | 4.8 $m^3$ | 2.75 kg |
| Heat Input | kcal/h (kW) | 25000 (29) | 22000(26) | 45000(52) | 33000(38) |
| Thermal Efficiency (Gross- Net) | % | 78 - 85 | | | |
| Heating Space (Approx.) | $m^3$ | 400 - 700 | 300 - 500 | 700 - 900 | 500 - 800 |
| Electrical | A, V, ph | 1, 220, 1 | | | |
| Sound Volume | dB(A) | 58 | | 59 | |
| Air Flow | cfm ($m^3$/h) | 1060 (1800) | | 2060 (3500) | |
| Throw | m | 9 | | 12 | |
| Dimensions Height, Length, Width | cm | 83.5 x 41 x 70 | | 100 x 60 x 71 | |
| NOx Class | - | 3 | | | |
| Weight (Gross) | kg | 65 | | 87 | |
| Flue Diameter | cm | 10 | | 15 | |

- Note1: GH0625A-GH0640A fully automatic only natural gas
- Note2: GH0625Sa-GH0640Sa equipped with Exhaust fan and sensor
- Note3: L mean LPG gas

GH 0625-GH 0640

GH 0625 A-GH 0640 A

GH 0625 Sa-GH 0640 Sa

# Gas – Fired Unit Heater Hermetic

| (GH 0618) | (GH 0825) | (GH 0845) |
|---|---|---|




GH 0618 GH 0825 GH 0845

**Applications:** Residential, Commercial, Industrial

## Features:

- CE Certified, 1312CS6199.
- High thermal efficiency with in-shot burner
- Fast heating, suitable air distribution by axial fan
- Increasing the thermal surface using tubular heat exchanger
- High safety
- Gas control valve (SIT Group - ITALY)
- Forced draft flue with exhaust fan
- Indoor air quality by combustion air from outside (type C)
- Flue performance control with pressure switch
- High safety by fan limit control system
- Heat exchanger overheating protection
- Electronic board and Flame monitoring system
- Automatic troubleshooting
- Durability and corrosion resistance with aluminized steel heat exchanger
- Low noise axial fan
- Low fuel consumption with thermostatic control system
- Ability to base and wall mounted
- Natural gas - convertible LPG
- Indoor Installation

| Specifications | Unit | GH 0618 | GH 0618L | GH 0825 | GH 0825L | GH 0845 | GH 0845L |
|---|---|---|---|---|---|---|---|
| Fuel Type | - | NG | LPG | NG | LPG | NG | LPG |
| Fuel Consumption | Per hour | 1.9 $m^3$ | 1.5 kg | 2.7 $m^3$ | 2 kg | 4.8 $m^3$ | 3.75 kg |
| Heat Input | kcal/h (kW) | 18000 (21) | | 25000 (29) | | 45000 (52) | |
| Thermal Efficiency (Gross- Net) | % | 81.5 - 87 | | 81.5 - 87 | | 84 - 92 | |
| Heating Space (Approx.) | $m^3$ | 200 - 360 | | 400 - 700 | | 700 - 900 | |
| Electrical | A, V, ph | 1, 220, 1 | | | | | |
| Sound Volume | dB(A) | 53 | | 59 | | 55 | |
| Air Flow | cfm ($m^3$/h) | 883 (1500) | | 2060 (3500) | | 2060 (3500) | |
| Throw | m | 6 | | 9 | | 6.5 | |
| Dimensions Height, Length, Width | cm | 51.5 x 76.5 x 60.5 | | 59 x 89 x 66 | | 70 x 100 x 67 | |
| NOx Class | - | 3 | | | | | |
| Weight (Gross) | kg | 45 | | 55 | | 85 | |
| Flue Diameter | cm | 10 | | 10 | | 15 | |
| Combustion Air Diameter | cm | 10 | | 10 | | 15 | |

- Note1: GH0825 g-GH0845 g can be used for places with high humidity like greenhouse.
- Note2: L mean LPG gas

# Indirect Gas – Fired Heater (Jet-Heater)

## (GH 0860)

GH 0860

**Applications:** Green house, Agriculture, Livesteck

## Features:

- CE Certified, 1312CS6199
- High thermal efficiency with in-shot burner
- Fast heating, suitable air distribution by axial fan
- Increasing the thermal surface using a tubular heat exchanger
- High safety
- Gas control valve (SIT Group - ITALY)
- Indoor air quality by combustion air from outside (type C)
- Flue performance control with pressure switch
- High safety by fan limit control system
- Heat exchanger overheating protection
- Electronic board and Flame monitoring system
- Automatic troubleshooting
- Durability and corrosion resistance with aluminized steel heat exchanger
- Low fuel consumption with thermostatic control system
- Rust-resistant and washable body (stainless steel)
- Adjustable air distribution with special damper
- Hanging installation or base mounted
- Washable body (stainless steel)
- Indoor Installation

# Indirect Gas – Fired Heater (Jet-Heater)



| Specifications | Unit | GH 0860 |
|---|---|---|
| Fuel Type | - | NG |
| Fuel Consumption | Per hour | 6.3 $m^3$ |
| Heat Input | kcal/h (kW) | 60000(70) |
| Thermal Efficiency (Gross- Net) | % | 85.5 - 94 |
| Heating Space (Approx.) | $m^3$ | 1000 - 1200 |
| Electrical | A, V, ph | 3, 220, 1 |
| Sound Volume | dB(A) | 75 |
| Air Flow | cfm ($m^3$/h) | 3235 (5500) |
| Throw | m | 12 |
| Dimensions Height, Length, Width | cm | 96 x 193 x 73 |
| NOx Class | - | 3 |
| Weight (Gross) | kg | 120 |
| Flue Diameter | cm | 15 |
| Combustion Air Diameter | cm | 15 |

# Fan Heater

## (KH 0320)


KH 0320

## (DH 0510)


DH 0510

**Applications:** Industrial

## Features:

- Fast heating with centrifugal Fan
- Solenoid valve
- Reducing fuel consumption by adjusting the carburetor
- Low noise, two speed, high efficiency fan
- Indoor Installation

| Specifications | Unit | KH 0320 | DH 0510 | |
|---|---|---|---|---|
| Fuel Type | - | Kerosene | Gas Oil | Kerosene |
| Fuel Consumption | Liter per hour | 0.9 - 3.6 | 1.6-5.6 | 1.3-5.7 |
| Heat Input | kcal/h (kW) | 32000 (37) | 50000(58) | |
| Thermal Efficiency | % | 70 | | |
| Heating Space (Approx.) | $m^3$ | 450 - 600 | 600 - 900 | |
| Electrical | A, V, ph | 3, 220, 1 | | |
| Air Flow | cfm ($m^3/h$) | 883 (1500) | 997 (1660) | |
| Dimensions Height, Length, Width | cm | 145 x 61 x 77 | 200 x 74 x 83 | |
| Weight (Gross) | kg | 112 | 132 | |
| Tank Volume | Liter | 28 | 28 | |
| Flue Diameter | cm | 15 | 15 | |

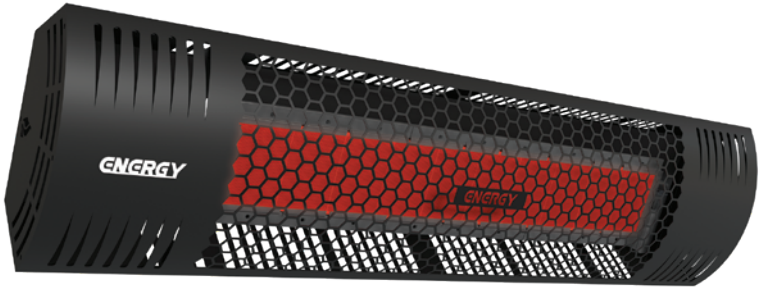
# Terrace Heater

## (GR 0030 - GR 0055 - GR 0095)

GR 0095

GR 0055

GR 0030




**Applications:** Terrace, Restaurant, Roof Garden, Semi-open spaces

## Features:

- Local spot heating for semi-open areas
- High efficiency quick noticeable heat in short time
- Decorative
- Low consumption with high efficiency
- Gas control valve (SIT Group - ITALY)
- Uniform flame on the ceramic surface
- Flame stability monitoring system
- Thermal shock resistant ceramic
- Wind protection up to 4 m/s
- Ceramic panel guard
- Light weight and appropriate dimensions
- Installation on the wall or ceiling
- Special Stand (by order)
- Natural gas (can be converted to LPG)
- Low electrical consumption-0.5 Amper
- Low maintenance cost
- Installation height (GR0030: 1.8m - 2.2m)
- Installation height (GR0055: 2m - 2.5m)
- Installation height (GR0095: 2.5m - 3m)

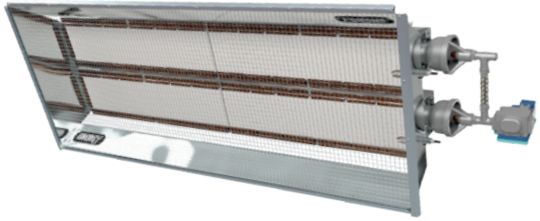
| Specifications | Unit | GR 0030 | | GR 0055 | | GR 0095 | |
|---|---|---|---|---|---|---|---|
| Fuel Type | - | NG | LPG | NG | LPG | NG | LPG |
| Fuel Consumption | per hour | 1.1 $m^3$ | 0.85 kg | 1.9 $m^3$ | 1.5 kg | 2.7 $m^3$ | 2 kg |
| Heat Input | kcal/h (kW) | 10000(11.5) | | 18000(21) | | 25000(29) | |
| Heating Area (Approx.) | $m^2$ | 9 | | 16 | | 25 | |
| Electrical | A, V, ph | 0.5, 220,1 | | | | | |
| Dimensions Height, Length, Width | cm | 21 x 89 x 36 | | 21 x 116 x 36 | | 21 x 145 x 36 | |
| Weight (Gross) | kg | 9 | | 13.7 | | 17 | |

# Infrared Heater

## (GR 0100)

GR 0100

## (GR 0200)



GR 0200

**Applications:** Industrial

## Features:

- CE Certified, 1312CU6350
- High efficiency quick noticeable heat in short time
- Local heating for closed spaces
- Low consumption with high efficiency
- gas control valve (SIT Group-ITALY)
- Flame stability monitoring system
- Thermal shock resistant ceramic
- Uniform flame on the ceramic surface
- Thermal shock resistant ceramic
- Special steel guard to protect the ceramic and increase the radiation efficiency
- Thermostatic control (as order)
- low electrical consumption-0.5 Amper
- Indoor installation
- Installation on the wall or ceiling
- Low maintenance cost
- Installation height: (GR100: 5m - 7m)
- Installation height: (GR200: 6m - 8m)

| Specifications | Unit | GR 0100 | | GR 0200 |
|---|---|---|---|---|
| Fuel Type | - | NG | LPG | NG |
| Fuel Consumption | per hour | 2.7 $m^3$ | 2 kg | 5.3 $m^3$ |
| Heat Input | kcal/h (kW) | 25000(26) | | 50000(58) |
| Heating Area (Approx.) | $m^2$ | 110 | | 150 |
| Electrical | A, V, ph | 0.5.220.1 | | |
| Dimensions Height, Length, Width | cm | 22 x 164 x 34 | | 22 x 168 x 54 |
| Weight (Gross) | kg | 15 | | 27 |

# Electric Fan Heater

## (EH 0045)


EH 0045

## (EH 0150)


EH 0150

**Applications:** Industrial, Residential, Commercial, Kiosk, Bungalow

## Features:

- CE Certified, 801382028494
- Integrated Thermostat (0 c to 40 c)
- High safety by fan limit control system
- Electric element overheating protection
- Rust-resistant body with epoxy painting
- Three operating modes
- Rotary switch selector with electric indicator
- Low noise
- Special power plug
- Lightweight, portable
- Indoor Installation
- Light and easy to carry
- Ability to on base and wall mounted

| Specifications | Unit | EH 0045 | EH 0150 |
|---|---|---|---|
| Fuel Type | - | Electrical | |
| Thermal Class | - | B | H |
| Output Power | kW | 1.5 - 3 - 4.5 | 5 - 10 - 15 |
| Heating Space (Approx.) | $m^3$ | 70 | 280 |
| Electrical | A, V, ph | 20.5, 220, 1 | 21.7, 400, 3 |
| Sound Volume | dB(A) | 50 | 55 |
| Air Flow | cfm ($m^3$/h) | 295 (500) | 765 (1300) |
| Fan Type | - | Centrifugal | Axial |
| Throw | m | 4 | 1.5 |
| Dimensions Height, Length, Width | cm | 33x 56 x33 | 53 x 42 x 35 |
| Weight (Gross) | kg | 13 | 20 |

• Note1: Max ceiling height: 3m

EH 0045

EH 0150

# Air Furance Gasoil - Gas

## (OF 0700 - GF 0760)

OF 0700

Outdoor /vertical

Indoor /vertical

GF 0760

**Applications:** Residential, Industrial, Commercial, Restaurant, livestock, Industrial dryers

## Features:

- Stainless steel combustion chamber with burner
- High safety by fan limit control system
- Heat exchanger overheating protection
- High performance, low noise centrifugal fan
- Can be equipped with thermostatic control system and low fuel consumption.
- Hot air flow with supply & return ducts (max 15 m - outside installation - as order)
- Air quality control with fresh air supply and reduce fuel consumption with return duct
- Indoor / Outdoor installation

# Air Furance Gasoil - Gas

| Specifications | Unit | OF 0700 | GF 0760 |
|---|---|---|---|
| Fuel Type | - | Gasoil | NG |
| Fuel Consumption | per hour | 5.6 Lit | 5.3 $m^3$ |
| Heat Input | kcal/h (kW) | 50000(58) | |
| Thermal Efficiency (Gross- Net) | % | 68 - 75 | |
| Heating Space (Approx.) | $m^3$ | 600 - 1000 | 600 - 1000 |
| Electrical | A, V, ph | 3, 220, 1 | |
| Air Flow | cfm ($m^3$/h) | 2155 (3660) | |
| Dimensions Height, Length, Width | cm | 200 x 74 x 70 | |
| Weight (Gross) | kg | 132 | |
| Flue Diameter | cm | 15 | |

# Air Furance Gasoil - Gas

## (OF 1500 AX - GF 1560 AX)


OF 1500 AX

GF 1560 AX

**Applications:** Industrial, Commercial

### Features:

- Stainless steel combustion chamber with burner
- Reducing heat loss by using a double-walled body with rock wool thermal insulation
- High safety
- High safety by fan limit control system
- Heat exchanger overheating protection
- Safety discharge vent for combustion products
- Fast heating, high efficiency axial fans with dynamic balance (IP54)
- Three sides hot-air distribution
- Can be equipped with thermostatic control system and low fuel consumption.
- Single - phase fan and burner
- Indoor installation

| Specifications | Unit | OF 1500 AX | GF 1560 AX |
|---|---|---|---|
| Fuel Type | - | Gasoil | NG |
| Fuel Consumption | per hour | 16.7 Lit | 16 $m^3$ |
| Heat Input | kcal/h (kW) | 150000(175) | |
| Thermal Efficiency (Gross- Net) | % | 79 - 86 | |
| Heating Space (Approx.) | $m^3$ | 2500 - 4000 | 2500 - 4000 |
| Electrical | A, V, ph | 7, 220, 1 | |
| Air Flow | cfm ($m^3$/h) | 6300 (10700) | |
| Dimensions Height, Length, Width | cm | 268 x 142 x 110 | |
| Weight (Gross) | kg | 470 | |
| Flue Diameter | cm | 20 | |

# Air Furance Gasoil - Gas

## (OF 1500 - GF 1560 )

Indoor/vertical

Indoor or outdoor/Horizontal

Indoor or outdoor/Horizontal

OF 1500

GF 1560

**Applications:** Industrial, Commercial, Restaurant, livestock, Industrial dryers

## Features:

- Stainless steel combustion chamber with burner
- High thermal efficiency
- Reducing heat loss by using a double-walled body with rock wool thermal insulation
- High safety by fan limit control system
- Heat exchanger overheating protection
- Safety discharge vent for combustion products
- High efficiency industrial centrifugal fan
- Three-phase electrical panel
- Can be equipped with thermostatic control system and low fuel consumption.
- Hot air flow with supply & return ducts (max 25 m - outside installation)
- Air quality control with fresh air supply and reduce fuel consumption with return duct
- Vertically standing or horizontally (as order)
- Dual burner (as order)
- Indoor / Outdoor installation

# Air Furance Gasoil - Gas

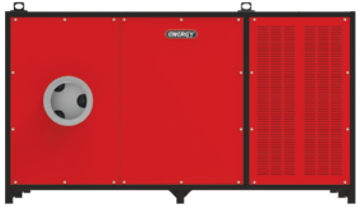
| Specifications | Unit | OF 1500 | GF 1560 |
|---|---|---|---|
| Fuel Type | - | Gasoil | NG |
| Fuel Consumption | per hour | 16.7 Lit | 16 $m^3$ |
| Heat Input | kcal/h (kW) | 150000(175) | |
| Thermal Efficiency (Gross- Net) | % | 79 - 86 | |
| Heating Space (Approx.) | $m^3$ | 2500 - 4000 | 2500 - 4000 |
| Electrical | A, V, ph | 5, 380, 3 | |
| Air Flow | cfm ($m^3/h$) | 6300 (10700) | |
| Dimensions (Indoor/vertical) Height, Length, Width | cm | 270 x 142 x 110 | |
| Dimensions (Indoor or outdoor/horizontal) Height, Length, Width | cm | 123 x 226 x 142 | |
| Dimensions (Indoor or outdoor/vertical) Height, Length, Width | cm | 240 x 142 x 125 | |
| Weight (Gross) | kg | 510 | |
| Flue Diameter | cm | 20 | |

- Can be connected to supply and return duct and dual burner (natural gas & gasoil) Available vertically or horizontally.

# Air Furance Gasoil - Gas

## (OF 3000 - GF 3060 )

Indoor /vertical



Indoor or outdoor/Horizontal

Outdoor /Vertical

OF 3000

GF 3060

**Applications:** industrial, Commercial, Restaurant, livestock, Industrial dryers

## Features:

- Stainless steel combustion chamber with burner
- High thermal efficiency
- Reducing heat loss by using a double-walled body with rock wool thermal insulation
- High safety
- High safety by fan limit control system
- Heat exchanger overheating protection
- Safety discharge vent for combustion products
- High efficiency industrial centrifugal fan
- Three-phase electrical panel
- Can be equipped with thermostatic control system and low fuel consumption.
- Hot air flow with supply & return ducts (max 25 m - outside installation)
- Air quality control with fresh air supply and reduce fuel consumption with return duct
- Vertically standing or horizontally (as order)
- Dual burner (as order)
- Indoor / Outdoor installation

# Air Furance Gasoil - Gas



| Specifications | Unit | OF 3000 | GF 3060 |
|---|---|---|---|
| Fuel Type | - | Gasoil | NG |
| Fuel Consumption | per hour | 33.3 Lit | 32 $m^3$ |
| Heat Input | kcal/h (kW) | 300000(350) | |
| Thermal Efficiency (Gross- Net) | % | 77 - 84 | |
| Heating Space (Approx.) | $m^3$ | 5500 - 8500 | 5500 - 8500 |
| Electrical | A, V, ph | 10, 380, 3 | |
| Air Flow | cfm ($m^3$/h) | 12600 (21420) | |
| Dimensions (Indoor/vertical) Height, Length, Width | cm | 310 x 221 x 139 | |
| Dimensions (Indoor or outdoor/horizontal) Height, Length, Width | cm | 153 x 267 x 221 | |
| Dimensions (Indoor or outdoor/vertical) Height, Length, Width | cm | 277 x 221 x 142 | |
| Weight (Gross) | kg | 1010 | |
| Flue Diameter | cm | 30 | |

- Can be connected to supply and return duct and dual burner (natural gas & gasoil) Available vertically or horizontally.

# Gas Air Furnace

## (GF 2060 )

GF 2060

## (GF 2560 )

GF 2560

**Applications:** Greenhouse, Livestock, Industrial

## Features:

- Design and manufacture ISIRI 12885
- Plate heat exchanger with high heat transfer and low pressure drop
- Stainless steel combustion chamber and heat exchanger (AISI 304)
- Rust-resistant body (hot galvanized profile)
- Reducing heat loss by using a double-walled body with rock wool thermal insulation
- Cleanable heat exchanger
- Can be equipped with thermostatic control system and low fuel consumption.
- Fast heating and high efficiency with dynamic balanced axial fans (IP54)
- Easy to move with industrial wheels
- High safety
- High safety by fan limit control system
- Heat exchanger overheating protection
- Safety discharge vent for combustion products
- Reducing heat loss by using a double-walled body with rock wool thermal insulation
- Easy operation and low maintenance
- Easy to carry
- Three-phase electrical panel(gf2560)
- Indoor installation

| Specifications | Unit | GF 2060 | GF 2560 |
|---|---|---|---|
| Fuel Type | - | NG | |
| Fuel Consumption | per hour | 21.3 $m^3$ | 26.6 $m^3$ |
| Heat Input | kcal/h (kW) | 200000(233) | 250000(290) |
| Thermal Efficiency (Gross- Net) | % | 80 - 87 | 78 - 85 |
| Heating Space (Approx.) | $m^3$ | 3000 - 5000 | 4000 - 6000 |
| Electrical | A, V, ph | 8, 220, 1 | 3, 380, 3 |
| Air Flow | cfm ($m^3$/h) | 9400 (16000) | 10000 (17000) |
| Dimensions Height, Length, Width | cm | 168 x 171 x 145 | |
| Weight (Gross) | kg | 460 | |
| Flue Diameter | cm | 20 | |

GF 2060

GF 2560

# Space Heater

## (DW 0250 - DW 0430 - DW 0450 )

DW 0450

DW 0430

DW 0250


## (GW 0260 - GW 0460)


GW 0460

GW 0260

**Applications:** Workshop, Factory, Drying System

## Features:

- Spot heating (360)
- Can be used in places with sufficient ventilation
- No need to electricity) gas type only)
- Solenoid valve and carburetor (gasoil-kerosene type only)
- Changing heat capacity by adjusting the carburetor (gasoil-kerosene type only)
- Indoor installation

| Specifications | Unit | DW 0250 | DW 0430 | DW 0450 | GW 0260 | GW 0460 |
|---|---|---|---|---|---|---|
| Fuel Type | - | Gas Oil / Kerosene | | | NG | |
| Fuel Consumption | per hour | 0.9 - 3.6<br>1.5 - 3 Lit | 1.6 - 6<br>1.3 - 5.8 Lit | | 3.2 $m^3$ | 5.3 $m^3$ |
| Heat Input | kcal/h (kW) | 32000 (37) | 50000(58) | | 30000(35) | 50000(58) |
| Heating Space (Approx.) | $m^3$ | 350 - 550 | 500 - 950 | | 350 - 550 | 500 - 950 |
| Electrical | A, V, ph | 1, 220, 1 | | | - | |
| Dimensions Height, Length, Width | cm | 122 x 62 x 84 | 150 x 76 x 97 | 157 x 75 x 103 | 125 x 59 x 76 | 155 x 76 x 92 |
| Weight (Gross) | kg | 53 | 76 | 85 | 35 | 52 |
| Tank Volume | Liter | 28 | | | - | |
| Flue Diameter | cm | 15 | | | | |

- Note: Model Dw0430 has wheels

**DW 0250-DW 0430-DW 0450**


**GW 0260-GW 0460**

# Evaporative Cooler (Side-Flow)

## (EC 0280)


EC 0280

**Applications:** Workshop, Commercial, Residential, Kiosk

**Features:**

- 30% cooler than aspen pad evaporative cooler
- Steady cooling efficiency
- High cooling efficiency and reaching comfort temperature in a shorter time
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- Strong structure, low vibration and noise
- Manual & Continuous water Fill
- Special Stand (by order)

# Evaporative Cooler (Side-Flow)



| Specifications | Unit | EC 0280 |
|---|---|---|
| Cooling System | - | Evaporative |
| Cooling Efficiency | % | 80 |
| Cooling Area (Approx.) | $m^2$ | 20 - 30 |
| Air Flow | cfm ($m^3/h$) | 760 (1300) |
| Motor Power | (kW) hp | (0.1) $\frac{1}{8}$ |
| Electrical | A, V, ph | 1.1, 220, 1 |
| Dimensions Height, Length, Width | cm | 62 x 60 x 55 |
| Weight + Water Weight | kg | 25 + 18 |

# Evaporative Cooler Economical (Side-Flow)

## (EC 0550 e - EC 700 e)


EC 0550e

EC 700e

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

## Features:

- CE Certified, 801382008480
- 30% cooler than aspen pad evaporative cooler
- Steady cooling efficiency
- High cooling efficiency and reaching comfort temperature in a shorter time.
- Uniform distribution of water on the cellulose pad
- Reducing transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- Standard body, low vibration and noise

# Evaporative Cooler Economical (Side-Flow)



| Specifications | Unit | EC 0550e | EC 700e |
|---|---|---|---|
| Cooling System | - | Evaporative | |
| Cooling Efficiency | % | 83 | |
| Cooling Area (Approx.) | $m^2$ | 65 - 90 | 90 - 130 |
| Air Flow | cfm ($m^3/h$) | 3800 (6460) | 4700 (7900) |
| Motor Power | (kW) hp | (0.37) $\frac{1}{2}$ | (0.5) $\frac{3}{4}$ |
| Electrical | A, V, ph | 3.6, 220, 1 | 5.8, 220, 1 |
| Dimensions Height, Length, Width | cm | 99 x 90 x 90 | 111 x 90 x 90 |
| Weight + Water Weight | kg | 61 + 50 | 69 + 50 |

# Evaporative Cooler (Thermostatic) (Side-Flow)

## (EC 0350 - EC 550 - EC 0700)


EC 0350

EC 0550

EC 0700

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

## Features:

- CE Certified, 801382008480
- Thermostat, timer and remote control
- High evaporative cooling efficiency with special cellulose pad
- Low electrical power consumption
- Steady cooling efficiency
- 30% cooler than aspen pad evaporative cooler
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- Strong structure, low vibration and noise

# Evaporative Cooler (Thermostatic) (Side-Flow)



| Specifications | Unit | EC 0350 | EC 0550 | EC 0700 |
|---|---|---|---|---|
| Cooling System | - | Evaporative | | |
| Cooling Efficiency | % | 83 | | |
| Cooling Area (Approx.) | $m^2$ | 30 - 65 | 65 - 90 | 90 - 130 |
| Air Flow | cfm ($m^3/h$) | 2600 (4420) | 3800 (6460) | 4700 (7790) |
| Motor Power | (kW) hp | (0.25) 1/3 | (0.37) 1/2 | (0.5) 3/4 |
| Electrical | A, V, ph | 3, 220, 1 | 3.6, 220, 1 | 5.8, 220, 1 |
| Dimensions Height, Length, Width | cm | 80 x 75 x 75 | 99 x 90 x 90 | 111 x 90 x 90 |
| Weight + Water Weight | kg | 50 + 35 | 74 + 50 | 86 + 50 |

- Note: For Model EC0350, the thermostat, timer and remote control are by order

# Evaporative Cooler Thermostatic & Variable Speed (BLDC) (Side-Flow)

## (EC 0750 PB)


EC 0750 PB

**Applications:** Residential, Commercial, Industrial, Restaurant, Bank, Mosque

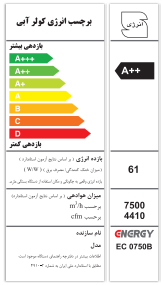
### Features:

- Corrosion and UV - Resistant polymer body (No discoloration)
- Easy assembly and disassembly with insert technology
- Low electrical power consumption by BLDC motor (Grade A++)
- Fast cooling with polymer centrifugal fan and BLDC motor
- variable air-flow according to setpoint temperature
- More airflow, variable fan motor speed according duct pressure drop
- Outdoor installation: cool air distribution with duct (Max:25m)
- Variable speed fan (20 Steps)
- High evaporative cooling efficiency with special cellulose pad(thickness: 10cm)
- Dry-running protection, water level indicator
- Drain pump
- Thermostatic control panel, remote control and Timer (off)
- Automatic and manual smart control panel
- Low noise operation
- Safety control RCCB (Residual-Current Circuit Breaker)
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Strong structure, low noise and vibration

| Specifications | Unit | EC 0750 PB |
|---|---|---|
| Cooling System | - | Evaporative |
| Thickness Pad | cm | 10 |
| Cooling Efficiency | ٪ | 85 |
| Air Flow | cfm<br>$m^3/h$ | 4410<br>(7500) |
| Cooling Area (Approx.) | $m^2$ | 90-150 |
| Motor Power | W | 560 |
| Electrical | A, V, ph | 3.3 , 220 , 1 |
| Weight + (Water Weight) | Kg | 60+40 |
| Dimensions<br>Height, Length, Width | cm | 111×90×90 |
| Duct Length (Max) | m | 25 |

# Evaporative Cooler Thermostatic & Variable Speed (BLDC) (Side-Flow)

## (EC 0750 B)






EC 0750 B

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

## Features:

- Low electrical power consumption by BLDC motor (Grade A++)
- Fast cooling with centrifugal fan and BLDC motor
- Variable air-flow according to setpoint temperature
- More airflow, variable fan motor speed according duct pressure drop
- Outdoor installation: cool air distribution with duct (Max:25m)
- Variable speed fan (20 Steps)
- Thermostatic control panel and remote control
- Automatic and manual smart control panel
- Low noise operation
- High evaporative cooling efficiency with special cellulose pad (thickness: 7.5cm)
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- Strong structure, low noise and vibration

| Specifications | Unit | EC 0750 B |
|---|---|---|
| Cooling System | - | Evaporative |
| Cooling Efficiency | % | 83 |
| Cooling Area (Approx.) | $m^2$ | 90 - 150 |
| Air Flow | cfm ($m^3/h$) | 4410 (7500) |
| Motor Power | (kW) hp | (0.6) 0.45 |
| Electrical | A, V, ph | 2.3, 220, 1 |
| Dimensions Height, Length, Width | cm | 111 x 90 x 90 |
| Weight + Water Weight | kg | 86 + 50 |

# Evaporative Cooler Thermostatic (Up-Flow)

## (VC 0380 - VC 0600)


VC 0380

VC 0600

**Applications:** Residential, Commercial, Install in the Balcony

## Features:

- CE Certified, 801382008480
- Thermostat, timer and remote control
- High evaporative cooling efficiency with special cellulose pad
- Low electrical power consumption
- Steady cooling efficiency
- 30% cooler than aspen pad evaporative cooler
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- Reducing the transfer of harmful bacteria
- Strong structure, low vibration and noise

| Specifications | Unit | VC 0380 | VC 0600 |
|---|---|---|---|
| Cooling System | - | Evaporative | |
| Cooling Efficiency | % | 83 | |
| Cooling Area (Approx.) | $m^2$ | 30 - 65 | 65 - 120 |
| Air Flow | cfm ($m^3/h$) | 2400 (4080) | 4200 (7140) |
| Motor Power | (kW) hp | (0.25) $\frac{1}{3}$ | (0.5) $\frac{3}{4}$ |
| Electrical | A, V, ph | 3, 220, 1 | 5.3, 220, 1 |
| Dimensions Height, Length, Width | cm | 80 x 75 x 75 | 99 x 90 x 90 |
| Weight + Water Weight | kg | 52 + 35 | 86 + 50 |

● Note: For Model VC0380, the thermostat, timer and remote control are by order

# Evaporative Cooler (3PH)(Side-Flow)

## (EC 1100 T)


EC 1100 T

**Applications:** Commercial, Industrial

### Features:

- CE Certified, 801382008480
- Three-Phase Motors-Single Speed
- Outdoor installation: cool air distribution with duct (Max:20m)
- Air flow adjusting with inverter (as order)
- 30% cooler than aspen pad evaporative cooler
- Steady cooling efficiency
- High cooling efficiency and reaching comfort temperature in a shorter time.
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- Strong structure, low vibration and noise

| Specifications | Unit | EC 1100 T |
|---|---|---|
| Cooling System | - | Evaporative |
| Cooling Efficiency | % | 83 |
| Duct Lenghth (Max) (Approx.) | m | 20 |
| Air Flow | cfm ($m^3/h$) | 6500 (11000) |
| Motor Power | (kW) hp | (1.1) 2 |
| Electrical | A, V, ph | 3, 380, 3 |
| Dimensions Height, Length, Width | cm | 121 x 106 x 106 |
| Weight + Water Weight | kg | 110 + 70 |

# Evaporative Cooler (3PH)(Side-Flow)

## (EC 1800 - EC 2500)


EC 1800

EC 2500

**Applications:** Commercial, Industrial

## Features:

- CE Certified, 801382008480
- Three-Phase Motors-Single Speed
- Outdoor installation: cool air distribution with duct (Max:25m)
- Air flow adjusting with inverter (as order)
- Steady cooling efficiency
- 30% cooler than aspen pad evaporative cooler
- High cooling efficiency and reaching comfort temperature in a shorter time.
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Strong structure, low vibration and noise

| Specifications | Unit | EC 1800 | EC 2500 |
|---|---|---|---|
| Cooling System | - | Evaporative | |
| Cooling Efficiency | % | 83 | |
| Duct Length (Max) | m | 25 | 30 |
| Air Flow | cfm ($m^3/h$) | 10600 (18000) | 14700 (25000) |
| Motor Power | (kW) hp | (4) 5.5 | (5.5) 7.5 |
| Electrical | A, V, ph | 8.5, 380, 3 | 10, 380, 3 |
| Dimensions Height, Length, Width | cm | 168 x 150 x 150 | 188 x 177 x 177 |
| Weight + Water Weight | kg | 265 + 130 | 400 + 320 |

# Industrial Evaporative Cooler Variable Speed (BLDC)

## (AC 2000 B)


AC 2000 B

**Applications:** Commercial, Industrial

### Features:

- Spot cooling in large spaces, portable (4 industrial wheel)
- Corrosion-Resistant polymer body
- Fast cooling with Industrial high efficiency axial fan
- Low electrical power consumption by BLDC motor
- Variable air-flow according to setpoint temperature
- High evaporative cooling efficiency (85%) with special cellulose pad (thickness: 15cm)
- Low cost and maintenance
- No need to structure and ducting
- Automatic and manual smart control panel
- Dry-operation protection, water level indicator
- Drain pump
- Industrial high efficiency axial fan
- Steady cooling efficiency
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Safety control RCCB (Residual-Current Circuit Breaker)
- low maintenance cost by removing belts and bearings
- Increasing the life of the electric motor by starting the cooler with low RPM
- Voltage fluctuations resistance

| Specifications | Unit | AC 2000 B |
|---|---|---|
| Cooling System | - | Evaporative |
| Cooling Efficiency | % | 85 |
| Air Flow | cfm ($m^3/h$) | 11750 (20000) |
| Cooling Area (Approx.) | $m^2$ | 280 |
| Air Throw | m | 22.5 |
| Motor Power | (kW) hp | (1.1) 1.5 |
| Electrical | A, V, ph | 9, 220, 1 |
| Material | - | Polymer |
| Dimensions Height, Length, Width | cm | 223 x 186 x 80 |
| Tank Volume | Liter | 180 |
| Weight | kg | 125 |

# Gas – Fired Duct Heater

## (GH 0660)

GH 0660

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

## Features:

- Fast heating, Low noise and high efficiency
- High thermal efficiency with plate heat exchanger
- low noise and high efficiency centrifugal fan
- low noise and high efficiency centrifugal fan
- High safety by fan limit control system
- Heat exchanger overheating protection
- Flam monitoring system
- Low fuel consumption with room temperature control
- Outdoor installation: hot air distribution with duct (Max:15m)
- Air quality control and reduce fuel consumption with return duct and fresh air supply
- Return air filter
- Low maintenance cost
- Uniform heating of several rooms by duct

| Specifications | Unit | GH 0660 |
|---|---|---|
| Heating System | - | Warm Air |
| Fuel Type | - | NG |
| Fuel Consumption | per hour | 2.7 $m^3$ - 4.8 $m^3$ |
| Heat Input | kcal/h (kw) | 25000(29) - 45000(52)<br>min - max |
| Thermal Efficiency<br>(Gross- Net) | % | 80 - 87 |
| Heating Space<br>(Approx.) | $m^3$ | 450-900 |
| Air Flow | cfm<br>($m^3$/h) | 2000<br>(3400) |
| Fan Type | - | Centrifugal |
| Motor Power | (kW) hp | (0.77) 1.03 |
| Duct Lenght<br>(Max) | m | 15 |
| Electrical | A, V, ph | 3.5, 220, 1 |
| NOx Class | - | 3 |
| Dimensions<br>Height, Length, Width | cm | 125 x 134 x 77 |
| Weight (Gross) | kg | 132 |

# Make – up Air unit (cooling and heating)

## (GM 0680)


GM 0680

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

### Features:

- High efficiency fast heating and cooling
- High evaporative cooling efficiency with cellulose pad
- 30% cooler than aspen pad evaporative cooler
- Steady cooling efficiency
- High cooling efficiency and reaching comfort temperature in a shorter time.
- Uniform distribution of water on the cellulose pad
- Reducing the transfer of harmful bacteria
- Low noise high efficiency centrifugal fan
- High thermal efficiency with plat Stainless steel heat exchanger
- High safety
- Two step Gas control valve (SIT Group - ITALY)
- Thermostat (heating)
- High safety by fan limit control system
- Heat exchanger overheating protection
- Flam monitoring system
- Low fuel consumption with room temperature control
- Outdoor installation: hot and cool air distribution with duct (Max:15m)
- Air quality control and reduce fuel consumption with return duct and fresh air
- Return air filter
- Low maintenance cost
- Uniform heating of several rooms by duct
- Standard body, low vibration and noise

| Specifications | Unit | GM 0680 | |
|---|---|---|---|
| Cooling System | - | Evaporative | |
| Cooling Efficiency | % | 83 | |
| Cooling Area (Approx.) | $m^2$ | 90 - 130 | |
| Air Flow | cfm ($m^3/h$) | 4000 (6800) | |
| Fan Type | - | Centrifugal | |
| Motor Power | (kW) hp | (0.5) $\frac{3}{4}$ | |
| Electrical | A, V, ph | 6, 220, 1 | |
| Heating System | - | Warm Air | |
| Fuel Type | - | NG | |
| Fuel Consumption | per hour | 2.7 $m^3$-4.8 $m^3$ | |
| Heat Input | kcal/h (KW) | 25000(29) | 45000(52) |
| Thermal Efficiency (Gross- Net) | % | 77 - 84 | |
| Heating Space (Approx.) | $m^3$ | 450 - 900 | |
| Duct Lenght (Max) | m | 15 | |
| NOx Class | - | 3 | |
| Dimensions Height, Length, Width | cm | 142 x 152 x 90 | |
| Weight + Water Weight | kg | 187 + 50 | |

# Make-up Air unit GM 0725 (cooling and heating)

## (GM 0725)


GM 0725

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

## Features:

- Fast heating and cooling with low noise polymer centrifugal fan (BLDC)
- High evaporative cooling efficiency (87%) with special cellulose pad (thickness: 20cm)
- Variable air-flow according to setpoint temperature
- Smart Heating and Cooling control panel, timer and RF remote control
- More airflow, variable fan motor speed according duct pressure drop
- Steady cooling efficiency
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- High thermal efficiency with natural gas in-shot burner
- Low water, fuel and electrical power consumption
- Durability and high corrosion resistance with aluminized steel heat exchanger
- High safety by fan limit control system and gas control valve (SIT Group - ITALY)
- Heat exchanger overheating protection
- Electronic board and Flame monitoring system
- Combustion air supplying from outside (type C)
- Forced draft flue with an exhaust fan
- Flue performance control with pressure switch
- Automatic troubleshooting
- Outdoor installation: hot and cool air distribution with duct (Max:25m)
- Air quality control and reduce fuel consumption with return duct and fresh air supply
- Easy installation, low maintenance cost

| Specifications | Unit | GM 0725 |
|---|---|---|
| Cooling System | - | Evaporative |
| Cooling Efficiency | % | 87 |
| Cooling Area (Approx.) | $m^2$ | 100 - 150 |
| Air Flow | cfm ($m^3/h$) | 3943 (6700) |
| Fan Type | - | Centrifugal |
| Motor Power | (kW) hp | (1.25) 1.7 |
| Electrical | A, V, ph | (6.8-8) , 220, 1 |
| Heating System | - | Warm Air |
| Fuel Type | - | NG |
| Fuel Consumption | per hour | 2.6 $m^3$ |
| Heat Input | kcal/h (kW) | 25000(29) |
| Thermal Efficiency (Gross- Net) | % | 81.5 - 89 |
| Heating Space (Approx.) | $m^3$ | 450 |
| Duct Lenght (Max) | m | 20 |
| NOx Class | - | 3 |
| Dimensions Height, Length, Width | cm | 140 x 182 x 80 |
| Weight + Water Weight | kg | 140 + 20 |
| Flue Diameter | cm | 10 |
| Combustion Air Diameter | cm | 10 |

# Residential Air Handling Unit

## (EH F 5000 - EH C 5000)

Floor standing

EH F 5000

Ceiling

EH C 5000

**Applications:** Commercial, Residential, Industrial, Restaurant, Gym

### Features:

- Fast heating and cooling with low noise polymer centrifugal fan (BLDC)
- Variable air-flow according to setpoint temperature
- More airflow, variable fan motor speed according duct pressure drop
- Smart Heating and Cooling control panel, timer and RF remote control
- High cooling efficiency (86%) with special cellulose pad (thickness: 10cm)
- Thermostatic control panel
- Automatic and manual smart control panel
- Low noise operation
- Steady cooling efficiency
- Reducing the transfer of harmful bacteria
- Long life cellulose pad (3 to 5 years)
- Drain pump
- High heat efficiency with four row copper hot water coil
- Outdoor installation: hot and cool air distribution with duct (Max:25m)
- Low water, fuel and electrical power consumption
- No heat and cold loss with special airtight strips and insulated body
- Easy installation, low maintenance cost
- Air quality control and reduce fuel consumption with return duct and fresh air supply
- Installation vertically or horizontally

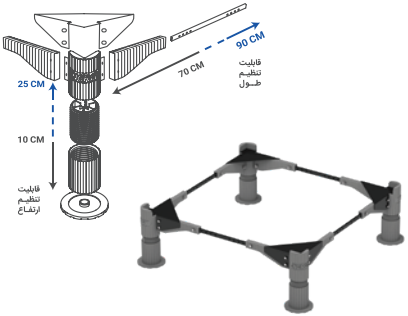
| Specifications | Unit | EH F 5000 | EH C 5000 |
|---|---|---|---|
| Cooling System | - | Evaporative | |
| Cooling Efficiency | % | 86 | |
| Cooling Area (Approx) | $m^2$ | 100 - 120 | |
| Air Flow | cfm ($m^3/h$) | 3350 (5700) | |
| Fan Type | - | Centrifugal | |
| Motor Power | (kW) hp | (0.78) 1.04 | |
| Electrical | A, V, ph | 2.7, 220, 1 | |
| Heating System | - | Hot Water | |
| Heat Input | kcal/h (kW) | 21000(24) | |
| Heating Space (Approx.) | $m^3$ | 360 | |
| Duct Lenght (Max) | m | 20 | |
| Dimensions Height, Length, Width | cm | 138 x 72 x 95 | 72 x 139 x 95 |
| Weight + Water Weight | kg | 108 | |

# STAND

## Terrace Heater Base (FH)

FH

## Cooler Base (FC)




FC

## Cooler Base (FC 0280)

FC 0280

### Features:

- Outdoor terrace heater installation
- Suitable for outdoor heater installation
- Decorative
- Easy to move
- Has a compartment for placing LPG capsules

### Features:

- Decorative
- Lightweight and portable
- Easy installation
- Adjustable dimensions
- Suitable for all residential evaporative cooler
- Easy alignment
- Heat & cold-resistant
- Rust-resistance
- UV Resistant
- Special design and packaging, easy to carr

### Features:

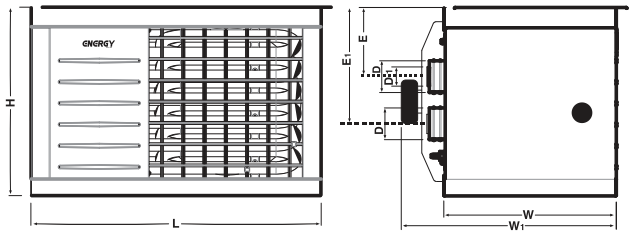
- Decorative
- Lightweight and portable
- Easy installation
- Assemble and disassemble
- Unique packaging, easy to carry
- Special for EC0280 model

| Specifications | Unit | FC 0280 |
|---|---|---|
| Material | - | Metallic |
| Dimensions<br>Height, Length, Width | cm | 68 x 57 x 57 |
| Weight (Gross) | kg | 4 |

| Specifications | Unit | FC |
|---|---|---|
| Material | - | Propylene with Metal |
| Dimensions<br>Height, Length, Width | cm | 13 x 44 x 44 |
| Weight (Gross) | kg | 7 |

| Specifications | Unit | FH |
|---|---|---|
| Material | - | Metallic |
| Dimensions<br>Height, Length, Width | cm | 180 x 67 x 60 |
| Weight (Gross) | kg | 35 |

# Gas-Fired Unit Heaters (Hermetic)



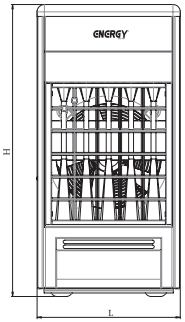


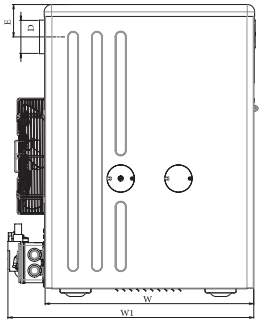
GH 0845 - GH 0845 L | GH 0825 - GH 0825L | GH 0618 - GH 0618L

| Specifications | | Unit | GH0845 | GH0845L | GH0825 | GH0825L | GH0618 | GH0618L |
|---|---|---|---|---|---|---|---|---|
| **Heat Input** | | kcal/h | 45000 | 45000 | 25000 | 25000 | 18000 | 18000 |
| **Fuel Consumption** | | Natural Gas($m^3$/h) | 4.8 | - | 2.7 | - | 1.9 | - |
| | | Liquid Gas (kg/h) | - | 3.75 | - | 2 | - | 1.5 |
| **Air Flow** | | $m^3$/h | 3500 | 3500 | 3500 | 3500 | 1500 | 1500 |
| **Heating Space** (Approx.) | | $m^3$ | 700-900 | 700-900 | 400-700 | 400-700 | 200-360 | 200-360 |
| **Electrical** | | ph | 1 | 1 | 1 | 1 | 1 | 1 |
| | | V(volt) | 220 | 220 | 220 | 220 | 220 | 220 |
| | | I (A) | 1 | 1 | 1 | 1 | 1 | 1 |
| **Dimensions** | | W (cm) | 54 | 54 | 53 | 53 | 49 | 49 |
| | | W1 (cm) | 67 | 67 | 66 | 66 | 60.5 | 60.5 |
| | | L (cm) | 100 | 100 | 89 | 89 | 76.5 | 76.5 |
| | | H (cm) | 70 | 70 | 59 | 59 | 51.5 | 51.5 |
| | | E (cm) | 28 | 28 | 21 | 21 | 17 | 17 |
| | | E1 (cm) | 42.5 | 42.5 | 35.5 | 35.5 | 27 | 27 |
| **Flue Diameter** (Co-axial) | out | D (cm) | 15 | 15 | 10 | 10 | 10 | 10 |
| | in | D1 (cm) | 10 | 10 | 6 | 6 | 6 | 6 |
| **Weight** (Gross) | | kg | 85 | 85 | 55 | 55 | 45 | 45 |


GH 0640 - GH 0640L


GH 0625 - GH 0625L




| Specifications | Unit | GH0640 | GH0640L | GH0625 | GH0625L |
|---|---|---|---|---|---|
| **Heat Input** | kcal/h | 45000 | 33000 | 25000 | 22000 |
| **Fuel Consumption** | Natural Gas($m^3$/h) | 4.8 | - | 2.7 | - |
| | Liquid Gas (kg/h) | - | 2.75 | - | 1.8 |
| **Air Flow** | $m^3$/h | 3700 | 3700 | 2080 | 2080 |
| **Heating Space** (Approx.) | $m^3$ | 700 - 900 | 500 - 800 | 400 - 700 | 300 - 500 |
| **Electrical** | ph | 1 | 1 | 1 | 1 |
| | V(volt) | 220 | 220 | 220 | 220 |
| | I (A) | 1 | 1 | 1 | 1 |
| **Dimensions** | L (cm) | 60 | 60 | 41 | 41 |
| | W (cm) | 60 | 60 | 60 | 60 |
| | W1 (cm) | 71 | 71 | 70 | 70 |
| | H (cm) | 100 | 100 | 83.5 | 83.5 |
| | E (cm) | 12.5 | 12.5 | 9 | 9 |
| **Flue Diameter** | D (cm) | 15 | 15 | 10 | 10 |
| **Weight** (Gross) | kg | 87 | 87 | 65 | 65 |

# Natural gas pipe sizing table

ALL Data is considered for gas density 0.65 (kg/m$^3$) and gas pressure 176(mm$H_2O$)

| Nominal pipe diameter(inch) | | | | | | | | | Length of the pipe (m) |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 3 | $2\frac{1}{2}$ | 2 | $1\frac{1}{2}$ | $1\frac{1}{4}$ | 1 | $\frac{3}{4}$ | $\frac{1}{2}$ | |
| 801.9 | 390.7 | 220.0 | 138.3 | 72.0 | 47.9 | 23.30 | 12.3 | 5.9 | 2 |
| 551.1 | 268.5 | 151.2 | 95.1 | 49.4 | 32.9 | 16.0 | 8.5 | 4.0 | 4 |
| 442.8 | 215.7 | 121.5 | 76.4 | 39.7 | 26.4 | 12.9 | 6.8 | 3.2 | 6 |
| 379.1 | 184.7 | 104.0 | 65.4 | 34.0 | 22.6 | 11.0 | 5.8 | 2.8 | 8 |
| 329.7 | 160.6 | 90.4 | 56.9 | 29.6 | 19.7 | 9.6 | 5.0 | 2.4 | 10 |
| 304.3 | 148.2 | 83.4 | 52.5 | 27.3 | 18.1 | 8.8 | 4.7 | 2.2 | 12 |
| 279.4 | 136.1 | 76.6 | 48.2 | 25.0 | 16.7 | 8.1 | 4.3 | 2.0 | 14 |
| 260.0 | 126.7 | 71.3 | 44.8 | 23.3 | 15.5 | 7.5 | 4.0 | 1.9 | 16 |
| 244.8 | 119.3 | 67.1 | 42.2 | 21.9 | 14.6 | 7.1 | 3.7 | 1.8 | 18 |
| 231.0 | 112.5 | 63.3 | 39.8 | 20.7 | 13.8 | 6.7 | 3.5 | 1.7 | 20 |
| 219.2 | 106.8 | 60.1 | 37.8 | 19.6 | 13.1 | 6.3 | 3.3 | 1.6 | 22 |
| 209.2 | 101.9 | 57.4 | 36.1 | 18.7 | 12.5 | 6.1 | 3.2 | 1.5 | 24 |
| 200.9 | 97.9 | 55.1 | 34.6 | 18.0 | 12.0 | 5.8 | 3.1 | 1.4 | 26 |
| 191.0 | 93.6 | 52.6 | 33.1 | 17.2 | 11.4 | 5.5 | 2.9 | 1.4 | 28 |
| 185.1 | 90.2 | 50.8 | 31.9 | 16.6 | 11.0 | 5.3 | 2.8 | 1.3 | 30 |
| 170.6 | 83.1 | 46.8 | 29.4 | 15.3 | 10.2 | 4.9 | 2.6 | 1.2 | 35 |
| 157.9 | 76.9 | 43.3 | 27.1 | 14.1 | 9.4 | 4.6 | 2.4 | 1.1 | 40 |
| 148.1 | 72.2 | 40.6 | 25.5 | 13.3 | 8.8 | 4.3 | 2.2 | 1.1 | 45 |
| 141.0 | 68.7 | 38.6 | 24.3 | 12.6 | 8.4 | 4.1 | 2.1 | 1.0 | 50 |
| 133.9 | 65.2 | 36.7 | 23.1 | 12.0 | 8.0 | 3.9 | 2.0 | 0.99 | 55 |
| 128.1 | 62.4 | 35.1 | 22.1 | 11.5 | 7.6 | 3.7 | 1.9 | 0.94 | 60 |
| 116.1 | 56.5 | 31.8 | 20.0 | 10.4 | 6.9 | 3.3 | 1.8 | 0.85 | 70 |
| 108.9 | 53.1 | 29.8 | 18.8 | 9.7 | 6.5 | 3.1 | 1.6 | 0.80 | 80 |
| 102.0 | 49.7 | 28.0 | 17.6 | 9.1 | 6.1 | 2.9 | 1.5 | 0.75 | 90 |
| 96.5 | 47.0 | 26.4 | 16.6 | 8.6 | 5.7 | 2.8 | 1.4 | 0.71 | 100 |
| 87.3 | 42.5 | 23.9 | 15.0 | 7.8 | 5.2 | 2.5 | 1.3 | 0.64 | 120 |
| 77.5 | 37.7 | 21.2 | 13.3 | 6.9 | 4.6 | 2.2 | 1.2 | 0.57 | 150 |
| 66.2 | 32.2 | 18.1 | 11.4 | 5.9 | 3.9 | 1.9 | 1.0 | 0.49 | 200 |
| 58.8 | 28.6 | 16.1 | 10.1 | 5.2 | 3.5 | 1.7 | 0.91 | 0.43 | 250 |
| 53.2 | 25.9 | 14.6 | 9.2 | 4.7 | 3.1 | 1.5 | 0.82 | 0.39 | 300 |

Note:

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