

# MH Series



MH Free Standing  
Heaters

# MH Series

## Introduction

The MH series provides both short and long term temporary heating and drying solutions for a wide variety of applications including -

- Marquee
- Corporate events
- Sports and leisure facilities
- Building and construction sites
- Exhibition halls
- Industrial buildings



## Model Range

The MH units are available with heat outputs ranging from 94kW - 300kW.

All models are indirect fired and provide warm, dry, fume-free air readily discharged directly into the heated area via the quiet yet powerful centrifugal fan, specifically selected to enable flexibility of location and long ductwork runs.

The MH150FT unit has the benefit of an in-built 520 litre PPG2/26 UN compliant oil tank, offering 24 hours of continuous firing at full load.



## Specification

### Heat Exchanger and Burner

Robustly engineered frame and panel construction, each heater is fully weatherproofed to IP44 standard and fitted with both lifting lugs and forklift slots making them stackable, storeable and manoeuvrable.

At the heart of the heater is the proven combustion chamber and heat exchanger, formed and welded from stainless steel the assembly is designed to combine high thermal efficiencies with long service life.

The burner and key controls are housed within a lockable compartment equipped with lighting.

Environmental considerations have not been forgotten either. The high efficiency heat exchanger and burner both assist in minimising carbon emissions, so too does the optional provision of return air.

Renewable technologies have also been respected with all models having the capability of operating on bio-diesel.

### Electric Motors

All electric motors comply with EC motor directive 2005/32/EC

### Controls

Controls include heat/fan-only selector switch, automatic phase detection and provision for remote thermostat connection.

Controllability and comfort are key in the design with two-stage control of both heat and air delivery being standard for models MH200 and MH300.



## TECHNICAL DATA

| Model                           |              |                   | MH100  | MH150   | MH150FT | MH200   | MH300   |
|---------------------------------|--------------|-------------------|--|---------|---------|---------|---------|
| Nominal heat output             | Low setting  | kW                | n/a  | n/a     | n/a     | 117     | 180     |
|                                 | High setting | kW                | 94   | 150     | 150     | 170     | 300     |
| Airflow                         | Low setting  | m <sup>3</sup> /s | m/a  | n/a     | n/a     | 2.28    | 2.65    |
|                                 | High setting | m <sup>3</sup> /s | 1.68   | 3.00    | 3.00    | 3.65    | 6.00    |
| Fan static pressure             | Low setting  | Pa                | n/a  | n/a     | n/a     | 320     | 480     |
|                                 | High setting | Pa                | 150  | 450     | 450     | 500     | 750     |
| <b>Fuel Data</b>                |              |                   |  |         |         |         |         |
| Tank capacity                   |              | l                 | n/a  | n/a     | 520     | n/a     | n/a     |
| Running time                    |              | h                 | n/a  | n/a     | 30      | n/a     | n/a     |
| Typical consumption             |              | l/h               | 10.8   | 17.2    | 17.2    | 20.1    | 34.1    |
| Quick coupler connection        |              | BSP/Rc            | 1/2"   | 1/2"    | 1/2"    | 1/2"    | 1/2"    |
| Fuel                            |              | Type              | Class D Light Distillate (Gas Oil) or Kerosene |         |         |         |         |
| Outlet spigots                  | Standard     | mm                | 1 x 600  | 1 x 600 | 1 x 600 | 1 x 600 | 1 x 600 |
|                                 | Optional     | mm                | 4 x 300  | 4 x 300 | 4 x 300 | 4 x 300 | 4 x 300 |
| Flexible ductwork (Max. length) |              | m                 | 10   | 50      | 50      | 80      | 100     |
| <b>Electrics</b>                |              |                   |  |         |         |         |         |
| Standard                        |              | V/ph/hz           | 415/3/50                                       |         |         |         |         |
| FLC                             |              | Amp               | 9.0  | 7.6     | 7.6     | 8.0     | 18.0    |
| Weatherproofing                 |              | IP                | 44   |         |         |         |         |
| Flue diameter                   |              | mm ø              | 150  | 200     | 200     | 200     | 225     |
| Noise level                     |              | dB(A)             | 76   | 76      | 76      | 76      | 78      |
| Net weight                      | Without fuel | Kg                | 475  | 725     | 1086    | 725     | 1200    |
|                                 | With fuel    | Kg                | n/a  | n/a     | 1518    | n/a     | n/a     |

Fuel type (eg gas oil or kerosene) must be specified at time of order.

Typical consumption and running time data has been assessed on full load (high fire) conditions.

Air handling data is assessed at room ambient conditions.

Maximum flexible duct length is based upon 'recommended' size and includes both discharge and return (where applicable).

Noise levels measured 3m from appliance.



