The Evojet condensing range of pressure jet boilers are available in 10 models with outputs from 150-1450kW. Floor standing boilers for applications in either single or multiple configurations.

**FEATURES & BENEFITS**

- Up to 109.3% part load efficiency
- Designed to operate up to 40°C ΔT providing minimum flow rates are achieved
- Dedicated low temp return
- Stainless steel heat exchanger
- Triple flue pass for high operating efficiencies
- Multiple burner options available (see page 2 for details)
- Modulation via 0-10 volt BMS, or RWF controller

**DIMENSIONS & CLEARANCES**

<table>
<thead>
<tr>
<th>BOILER</th>
<th>DIM A</th>
<th>DIM B</th>
<th>DIM C</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>740</td>
<td>1455</td>
<td>1315</td>
</tr>
</tbody>
</table>

The following minimum clearances must be maintained for operation and servicing:

- FRONT: **BURNER LENGTH**
- REAR: **1000mm**
- SIDES: **300mm**

idealcommercialboilers.com
## TECHNICAL SPECIFICATIONS

### EVOJET 150kW

#### GENERAL
- **Dry Weight**: KG 510
- **Boiler Dimensions**: mm
  - Front: 1315 (H)
  - Left Side: 740 (W)
  - Right Side: 1455 (D)
- **Boiler Clearances**: mm
  - Front: 1350
  - Left Side: 300
  - Right Side: 300
  - Rear: 1000
- **Seasonal Efficiency**: % 95.7
- **Min/Max Gas pressure (Nat Gas)**: mbar 17.5-20

#### FLUE/AIR INLET
- **Flue Size**: mm 200
- **Flue Gas Mass Flow Rate**: kg/sec 0.07
- **Min-Max Flue Gas Temperature**: °C <45-75**

#### ELECTRICAL
- **Electrical Supply**: 230 ± 10% 50Hz 1 Ph
- **Current (Max No Pump)**: amp 6.3
- **Power Consumption**: watt 250
- **Fuse Rating**: amp 6.3T
- **Insulation Class IP**: X4D

#### HYDRAULICS
- **Pressure drop ∆T 10°C**: mbar 43.2
- **Pressure drop ∆T 20°C**: mbar 11.3
- **Nominal Flow Rate ∆T 10°C**: l/m 214.4
- **Nominal Flow Rate ∆T 20°C**: l/m 107
- **Min Flow Rate**: l/s 0.47
- **Min Working Temperature**: °C 30
- **Max Working Temperature**: °C 95
- **Min Working Pressure**: bar 1
- **Max Working Pressure**: bar 6
- **Max Static Head Of Water**: metres 60
- **Condensate Connection**: inches 1
- **High Limit Set Point**: °C 110
- **Flow Size**: G2"
- **Water Content**: litres 323
- **Return High Temperature**: DN 50
- **Return Low Temperature**: DN 65

### BURNER PRE MIX
- **Fuel Natural**: Natural Gas / LPG
- **Furnace Pressure**: mbar 2.0
- **Furnace Volume**: dm³ 172
- **Min Burner Length**: mm 160
- **Burner Diameter**: mm 130
- **Boiler Output (80/60)**: kW 146.6
- **Boiler Output (50/30)**: kW 160.5
- **Boiler Input**: kW 111

### BURNER MATCHING OPTIONS
- **NG**: Yes
- **LPG**: Yes
- **Pre-mix**: Yes
- **Oil**: Yes
- **Dual Fuel**: No

*2 year warranty subject to Terms and Conditions. 2 years parts and labour warranty available subject to being commissioned by Ideal Boilers.**

**Dependent on return temperature.

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GET A QUOTE

W: IDEALCOMMERCIALBOILERS.COM
E: commercial@idealboilers.com
T: 0844 5436060
OVERVIEW
The boiler must fully automatically controlled, floor standing condensing boiler with a triple flue pass stainless steel heat exchanger. While they are designed primarily for central heating purposes, in conjunction with a suitable storage cylinder they can also be used to produce domestic hot water on a fully pumped open vented or sealed water systems.

All parts that come into contact with the combustion gases are made from titanium stabilised stainless steel to ensure maximum resistance to the corrosive action of acid condensation.

The boiler must incorporate two return water connections to facilitate multiple applications e.g. CH & DHW and enables the optimum operating efficiency to be achieved.

The boilers must be designed to operate with Natural Gas, LPG or Oil (delete as required) using pressure-jet or premixed burners. The burner specification will enable the choice of Two Stage / Fully Modulating & Low NOx operation.

HYDRAULIC
The condensing boiler must be suitable for connection to fully pumped open vented or sealed water systems. All hydraulic connections including flow return and condensate drain must be located on the bottom or rear of the boiler. The boiler must have a maximum operating pressure of 6 bar and be suitable for heating and indirect hot water systems.

DIMENSIONS
The condensing boilers must be suitable for use with a room sealed flue or open flue applications including C13, C33 and B23 classifications. The flue outlet and air inlet must be situated at the rear of the boiler.

CONTROL
The boiler control options must be selected at the time of purchase:

- Two Stage Burner
- Modulating Burner
- BMS (Boiler Management System) 0-10V
- Oil & Dual Fuel

The boiler must include control features enabling set point adjustment, heating circuit control of one constant temperature, one variable temperature and one DHW circuit and safety lock out parameters including fault diagnosis for both boiler and external components such as sensors or pumps.

Boiler capabilities must include, with the use of external components, frost protection, weather or room compensation and system pump control.

FLUE
The condensing boilers must be suitable for use with a room sealed flue or open flue applications including C13, C33 and B23 classifications. The flue outlet and air inlet must be situated at the rear of the boiler.

EFFICIENCY
The condensing boilers are capable of high seasonal efficiencies with a minimum requirement of 95.9% and low NOx emissions no greater than 39.7mg/kWH.

APPROVALS
The manufacturer must be ISO 9001 accredited.

SPECIFICATION
The boiler must be capable of the below flow rates:

<table>
<thead>
<tr>
<th>BOILER MODEL</th>
<th>MIN FLOW (L/H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>1,700</td>
</tr>
<tr>
<td>210</td>
<td>2,400</td>
</tr>
<tr>
<td>270</td>
<td>3,100</td>
</tr>
<tr>
<td>350</td>
<td>4,000</td>
</tr>
<tr>
<td>450</td>
<td>5,100</td>
</tr>
<tr>
<td>600</td>
<td>6,800</td>
</tr>
<tr>
<td>800</td>
<td>9,100</td>
</tr>
<tr>
<td>1000</td>
<td>11,400</td>
</tr>
<tr>
<td>1250</td>
<td>14,200</td>
</tr>
<tr>
<td>1450</td>
<td>16,500</td>
</tr>
</tbody>
</table>

WARRANTY
The boiler must be available with a 2 year warranty.