EVOJET

600kW

2 YEAR WARRANTY*

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
- Natural gas, LPG, oil and dual fuel models
- Triple flue pass for high operating efficiencies
- Natural gas/LPG burner options - modulating or high / low operation
- Modulation via 0-10 volt BMS, or RWF controller

DIMENSIONS & CLEARANCES

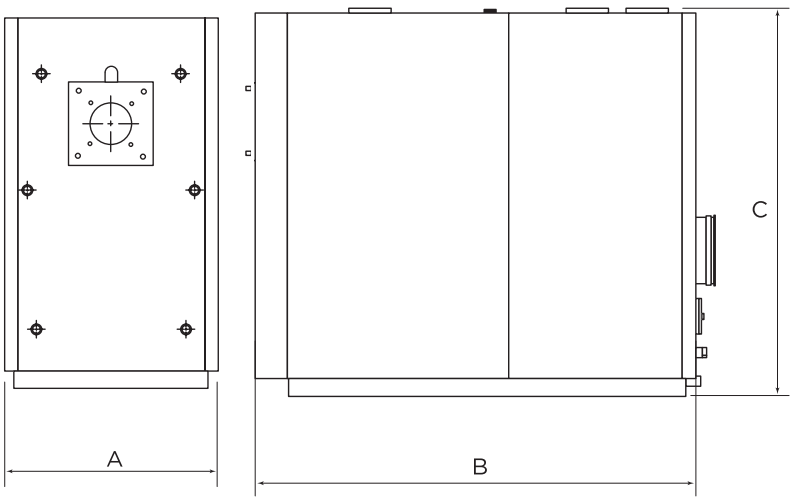
BOILER	DIM A	DIM B	DIM C
600	900	2235	1630

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

FRONT: BURNER LENGTH

REAR: 1000mm

SIDES: 300mm



idealcommercialboilers.com

All dimensions in mm

EVOJET 600kW
TECHNICAL SPECIFICATIONS

ideal COMMERCIAL

GENERAL		
Dry Weight	KG	1250
Boiler Dimensions	mm	1630 (H) x 900 (W) x 2235 (D)
Boiler Clearances	mm	Front: 2140 Left Side: 300 Right Side: 300 Rear: 1000
Seasonal Efficiency	%	95.7
Min/Max Gas pressure (Nat Gas)	mbar	17.5-20

BURNER PRE MIX		
Fuel Natural		Natural Gas / LPG
Furnace Pressure	mbar	5.5
Furnace Volume	dm^3	496
Min Burner Length	mm	250
Burner Diameter	mm	179
Boiler Output (80/60)	kW	589.2
Boiler Output (50/30)	kW	642
Boiler Input	kW	451

HYDRAULICS		
Pressure drop ΔT 10°C	mbar	30.2
Pressure drop ΔT 20°C	mbar	8.5
Nominal Flow Rate ΔT 10°C	l/m	858.3
Nominal Flow Rate ΔT 20°C	l/m	428.2
Min Flow Rate	l/s	1.88
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	1.25
High Limit Set Point	°C	110
Flow Size		G2”
Water Content	litres	770
Return High Temperature	DN	80
Return Low Temperature	DN	100

FLUE/AIR INLET		
Flue Size	mm	300
Flue Gas Mass Flow Rate	kg/sec	0.26
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

CONTROL/BOILER/BURNER OPERATION	
0-10V DC BMS or Siemens RWF	Optional
High Limit Protection	Standard
Boiler Temperature Gauge	Standard
Control Thermostat Sensor	Standard
Safety Thermostat Sensor	Standard
Two Stage Thermostat	Standard

BURNER MATCHING OPTIONS	
NG	Yes
LPG	Yes
Low NOx	Yes
Pre-mix	Yes
Oil	Yes
Dual Fuel	Yes

PERFORMANCE FIGURES FOR OIL MODEL AVAILABLE ON REQUEST.

FLOOR STANDING

NOx CLASS 5

BIM

DUAL FUEL

ErP COMPLIANT

*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.

GET A QUOTE

W: IDEALCOMMERCIALBOILERS.COM
E: commercial@idealboilers.com
T: 0844 5436060

EVOJET 600kW
SUGGESTED ENGINEERING SPECIFICATION

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.

CONTROLS

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.

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 boiler must fit within maximum permitted floor space of 0.97m² (150 and 210kW models)/1.23m² (270 and 350kW models)/1.47m² (450 and 600kW models)/2.03m² (800 and 1000kW models)/2.40m² (1250kW model)/2.67m² (1450kW model) (delete as appropriate).

MOUNTING / POSITIONING

The condensing boilers will be floor standing.

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:

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

WARRANTY

The boiler must be available with a 2 year warranty.