



TRIANCO

ROOM-SEALED CAST IRON CONDENSING BOILER
TRO EVOLUTION BH



HIGH PERFORMANCE
STAINLESS STEEL CONDENSER
CAST IRON HEAT EXCHANGER
POLYPROPYLENE BALANCED FLUE



The Heating Creators

The TRO EVOLUTION BH takes advantage of the condensation effect of the combustion gases reaching performances higher than 104% LHV.

SAVINGS

To take advantage of this effect, the combustion gas temperature must be reduced to below the dew point temperature. This gas temperature reduction takes place in the condenser. This condenser is especially designed to prevent unburnt combustion fuel from depositing on the condenser interchange surface, thus reducing maintenance costs.

The TRO EVOLUTION BH boiler is equipped with a modulating hot water production system that stabilises the water temperature, adapting it to the temperature selected on the control panel, regardless of the water flow required and of the cold water intake temperature at any given time.

Modulation enables the continuous adaptation of the boiler power to the hot water demand at any time, allowing it to work at lower boiler temperatures. With this system, cold returns as well as low fume temperatures, are achieved even when producing DHW by taking advantage of the latent heat to reduce consumption.

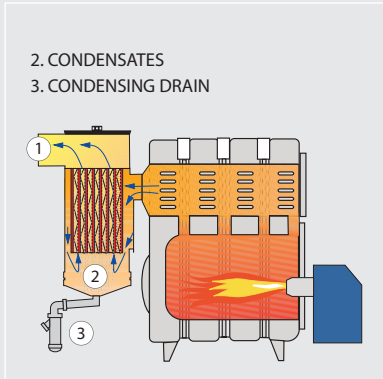
Silent

The effective acoustic insulation of the body and the boiler housing, as well as the use of an airtight burner, makes this boiler a discrete companion.

Ecological

The TRO EVOLUTION BH boiler permits the reduction of contaminating CO₂ emissions, contributing to the reduction of the greenhouse effect, as this boiler consumes less energy than a conventional boiler to provide the same power and performance.

Cast iron heat exchanger.

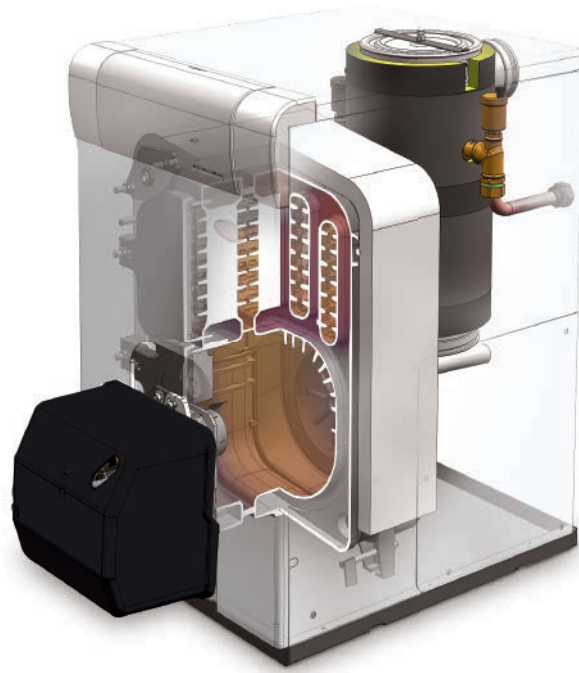


12 year heat exchanger warranty

IF TRIANCO MAGNETIC FILTER FITTED
subject to terms and conditions

TRO EVOLUTION BH





SIMPLICITY OF INSTALLATION

The design simplifies the installation for the professional, allowing for fast installation.

As it does not use air from the room for combustion, the boiler can even be installed in rooms without ventilation, thus making installation easier.

Having a low smoke temperature and a safety smoke temperature sensor, the TRO EVOLUTION BH can be installed with **polypropylene balanced flues** which ease the installation and reduce cost.

OPTIONS



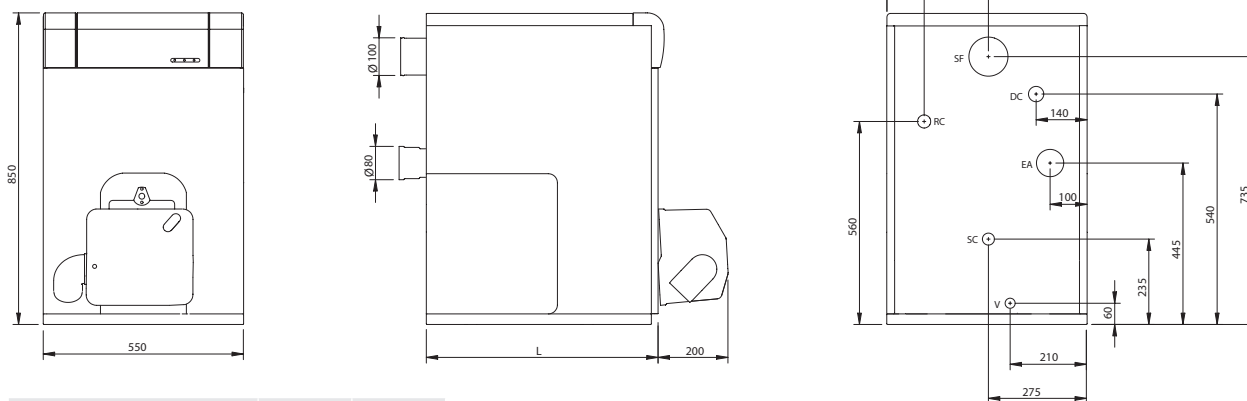
CLIMATE CONTROL

For adjustments to direct or mixed circuits depending on outdoor temperature.



SYSTEM KIT

DIMENSIONS



Models	DC RC	L
TRO EVOLUTION 30 BH	1"	640
TRO EVOLUTION 20 BH	¾"	540

OPTIONS

Gas discharge kit

System kit:

- Expansion vessel
- 3 way diverter valve
- 3 way diverter valve motor
- Heating pump
- Non-returning valve
- Safety valve

Control and regulation (required for TRO EVOLUTION BH hydraulic Kit)

EQUIPMENT

- Cast iron body
- EPOXY coated casing
- Sealed burner
- Control panel that includes:
 - Control thermostat
 - Safety thermostat
 - On/Off light switch
 - Thermometer
 - Prewiring for LAGO Controller

TRO EVOLUTION BH INSTALLATION EXAMPLE

Maximum discharge length

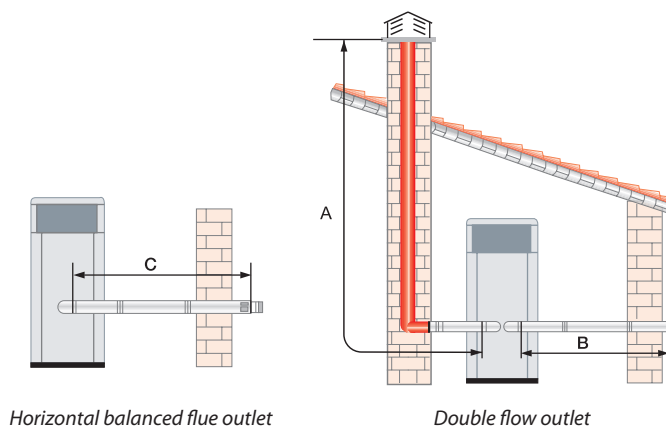
	A+B	C
TRO EVOLUTION 20 BH	15m Ø 100	8
TRO EVOLUTION 30 BH	15m Ø 100	6

Equivalences

Diameter	90° Curve	45° Curve
80/125	1m.	0.5m.
100	1m.	0.5m.

1 horizontal metre equals 2 vertical metres.

Note: Due to the low fume temperature, the gas outlet must be airtight and made of an anticorrosive material due to the condensation of the combustion gas water vapour.



Model	Nominal power kW		Water content	Weight	Heating Efficiency Class
	50°C / 30°C	80°C / 60°C	L	kg	
TRO EVOLUTION 20 BH	20.3	19.1	14	84	A
TRO EVOLUTION 30 BH	30.2	28.7	19.2	194	



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