

OIL FIRED CONDENSING BOILER

EVOLUTION EV HAM / EVOLUTION EV HAC
EVOLUTION EV HAM / EVOLUTION EV HAC (W)

HIGH PERFORMANCE
STAINLESS STEEL CONDENSER
STEEL BODY
POLYPROPYLENE FLUE DUCTS
2 VERSIONS: EVOLUTION EV HAC (ONLY HEATING), EVOLUTION EV HAM (COMBINATION BOILER)



The most advanced technology
at the most reasonable price

The EVOLUTION EV HA boiler belongs to a new generation of boilers that respond to users' requirements in terms of energy-saving and ecological concerns while preserving optimal comfort and reliability.

Silent

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

Ecological

The EVOLUTION EV HA 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.

Odourless

The sealed home system eliminates the risk of fuel smells from combustion because the air required for the combustion is taken from outside and the flue gases are also expelled outside without the possibility of them coming into contact with the room.

Range: 2 versions

EVOLUTION EV HAM:

This boiler can produce high quantities of instant hot water with a double pump system that ensures reduced maintenance costs.

EVOLUTION EV HAC:

This boiler is exclusively prepared for heating. It is equipped with hydraulic and electrical connection to connect a cylinder.



EVOLUTION EV HAM /
EVOLUTION EV HAC



EVOLUTION EV HAM /
EVOLUTION EV HAC (W)

SAVINGS

The **EVOLUTION EV HA** boiler takes advantage of the condensation effect of the combustion gases **reaching yields of over 104% LHV**.

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 **EVOLUTION EV HAM** 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.



EASE OF USE

Priority has been given in the design of this boiler to make it **easy for users** to handle. Thus, the boiler integrates a highly intuitive control panel.

The boiler is controlled with an electronic system that provides considerable safety and operating advantages.

Worthy of note among these advantages are:

Safety system in case of lack of water

It prevents breakages in boiler body due to lack of water.

Pump anti-blocking system

It reduces the maintenance of the circulation pumps.

Anti-inertia system

Post-circulation system in order to prevent overheating in the boiler body.

Anti-freeze system

When the boiler temperature goes below 6°C, the boiler is activated even if it is switched off, in order to avoid problems in the system due to freezing.

Legionella prevention system

The temperature of the tank in these boilers regularly rises to 70°C, thus avoiding the formation of legionella.

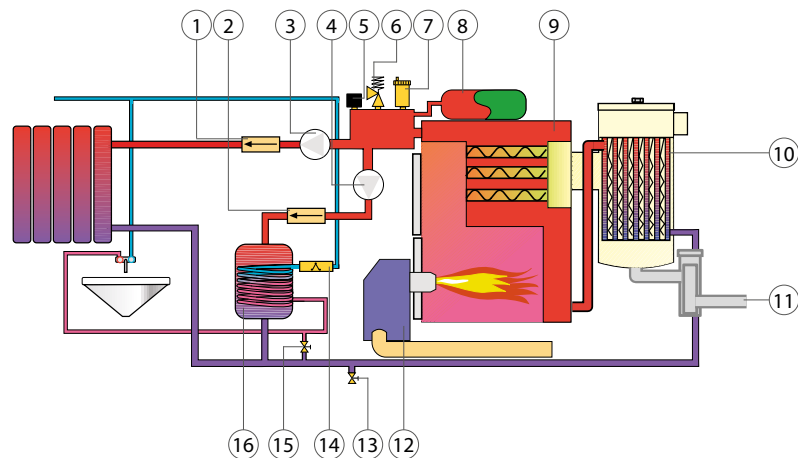
SIMPLICITY OF INSTALLATION

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.

HYDRAULIC DIAGRAM

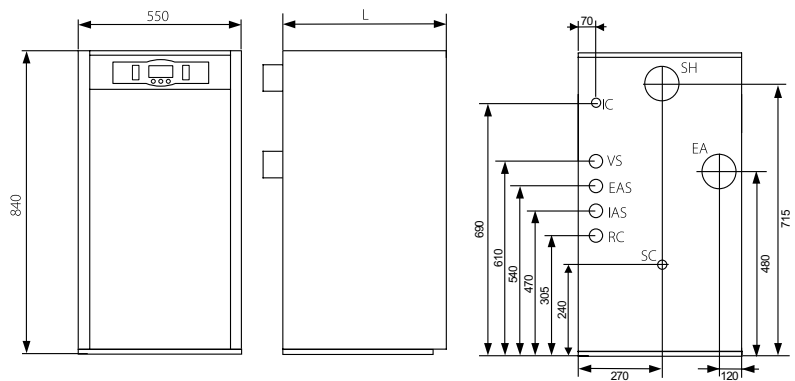
- | | |
|----------------------------|----------------------|
| 1. Heating retaining valve | 9. Boilers body |
| 2. Summer retaining valve | 10. Condenser |
| 3. Heating pump | 11. Condensate drain |
| 4. Summer pump | 12. Burner |
| 5. Pressure transducer | 13. Emptying valve |
| 6. Safety valve | 14. Flow switch |
| 7. Automatic air vent | 15. Fill valve |
| 8. Expansion vessel | 16. Heat exchanger |



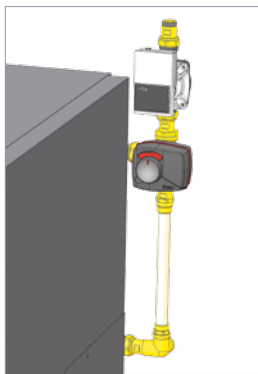
DIMENSIONS

- IC: Heating flow.
- IC': Optional heating flow.
- RC: Heating return.
- EAS: Domestic cold water intake.
- IAS: Domestic hot water intake.
- VS: Safety valve.
- SC: Condensate outlet, 3/4" H.
- EA: Air intake, Ø100.
- SH: Gas outlet, Ø100.

MODEL	IAS EAS	IC RC	Depth mm	Height mm	Width mm	Weight kg
EV25 HAC / HAM	1" M	1/2" M	855	550	840	840
EV35 HAC / HAM	1" M	1/2" M	955	550	840	840



EQUIPMENT



Underfloor heating kit

	EV HAM	EV HAC		EV HAM	EV HAC
Heating retaining valve	•	•	Coil heat exchanger	•	
Heating pump	•	•	Flow switch	•	
Summer pump	•	•	Hot water flow rate limiter	•	
Pressure transducer	•	•	Pump anti-blocking	•	•
Safety valve	•	•	Minimum pressure relief device	•	•
Automatic air vent	•	•	Anti-freeze	•	•
Summer retaining valve	•	•	Hot water modulation	•	
Heating expansion vessel	•	•	Electrical connection for tank		•
Fill valve	•	•	OPTIONS		
Condensing boiler	•	•	Underfloor heating kit SRAM2 / EV	•	
Condensate drain	•	•	Underfloor heating kit SRAC2 / EV		•
Sealed burner	•	•	Remote control E20	•	•
Emptying valve	•	•	External probe for E20	•	•
Telephone relay connection	•	•	Gas discharge kit	•	•

EVOLUTION EV HA INSTALLATION EXAMPLE

Maximum discharge length

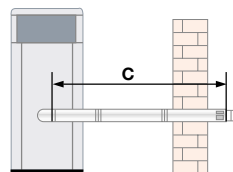
	A+B	C
EV 25 HA	17	8
EV 35 HA	15	7

Equivalences

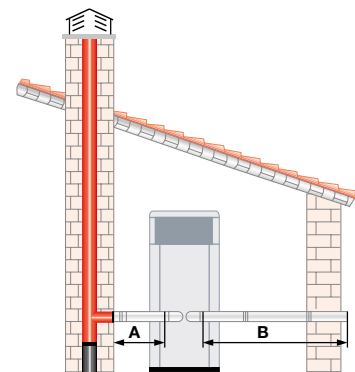
Diameter	90° Curve	45° Curve
80/125	1 m	0.5 m
100	1 m	0.5 m

1 horizontal metre equals 2 vertical meters.

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



Horizontal coaxial outlet



Double flow outlet

Model	Nominal power 50° C / 30° C	Nominal power 80° C / 60° C	Production DHW L/min		Heating Efficiency Class	DHW efficiency class
	kW	kW	ΔT30°C	ΔT25°C		
Evolution EV 25 HAM	29.3	27.1	12.8	15.3	A	A
Evolution EV 35 HAM	40.5	37.4	17.8	21.5		-
Evolution EV 25 HAC	29.3	27.1	-	-		-
Evolution EV 35 HAC	40.5	37.4	-	-		-



UK OFFICES & DEPOT
Unit D4 Stanlaw Abbey Business Centre,
Ellesmere Port, CH65 9BF

Tel: 0151 909 6222

sales@domusa.co.uk
www.domusateknik.com

HEADQUARTERS & FACTORY
B° San Esteban, s/n
20737 Errezil · (Gipuzkoa) Spain

Tel.: +34 943 813 899

info@domusateknik.com

