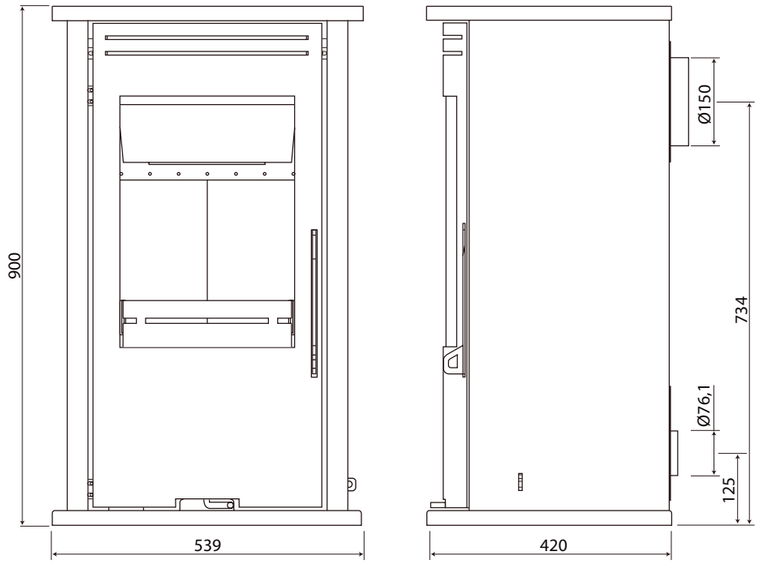
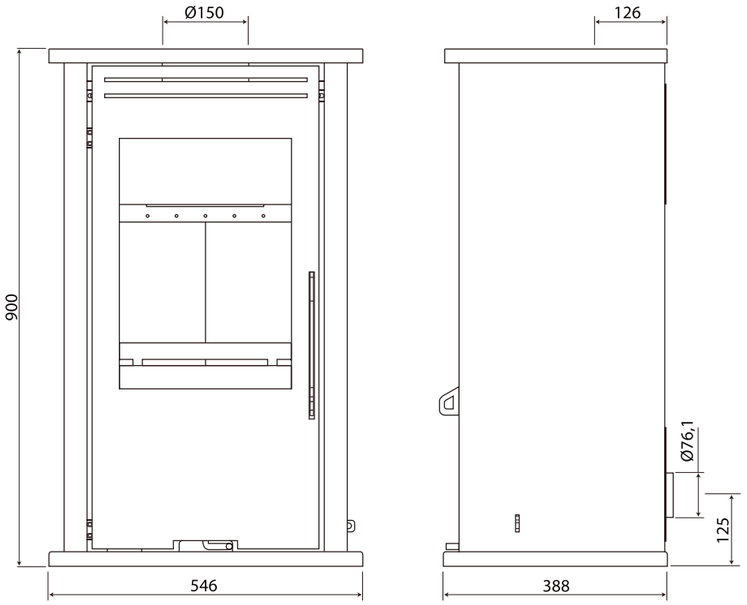
Construction diagram of the DYNAMIC V / R



Dynamic R with the smoke channel connected on the back side.



Dynamic V with the smoke channel connected on the top side.

Technical details

Construction:	Boiler steel
Interior:	Vermiculite panels
Ironwork:	Stainless steel glass bead blasted
Color:	Anthracite
Power:	8 kW
Efficiency:	81,5%
CO emission:	0,09 vol%
Dust concentration:	7 mg/m_o^3
Flue:	Ø 150 mm*
Air supply:	Ø 76,1mm
Convection fan:	option**
Weight:	110 kg
Certificates/ inspections:	CE NEN-EN 13240:2001 NEN-EN 13240-A2:2004

* A top connection and rear connection is available for the flue system.
**Fan cabinet equipped with two axial fans.

RENY Stoves was founded in 1975 and in the first years specialized in classical open fireplaces. Since 1981 build-in hearths and free standing stoves are produced.
RENY distinguishes itself by way of its innovative developments, combined with the latest techniques. According to traditional methods and with the utmost care everything is manufactured in our own factories. This guarantees a product with the quality you've come to expect from RENY.

RENY a conscious choice:

- ***Energy Conscious (Energy class A)***
- ***Environmentally Responsible (Emission class 1)***
- ***Quality Conscious***

The choice is yours ……

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The most environmentally aware woodstove in the world .....

The Dynamic series
consists of two freestanding woodstoves, the Dynamic R with curved front and the Dynamic V with flat front. These two models do not differ much from each other with regard to technology. During the development of the Dynamic series, very high quality materials were used.
It's not without reason that RENY guarantees her products no less than 5 years. This is reflected in a solid and functional construction with sublime finishing. Simplicity, reliability and the appealing design are the basis of the pure enjoyment of the extreme comfort associated with an ambient wood fire.

The extremely robust construction
of the stove is composed out of boiler steel.
The way RENY applies boiler steel is unique and far ahead of its time. This material, mainly used in heavy industrial applications, addresses all future demands with regard to wood stoves.
In order to achieve an extremely efficient and clean heat release, the inside of the incineration compartment is covered with vermiculite panels and an extra thick steel bottom grid. The flue system has a diameter of Ø150mm. The stove can be equipped both with a top connection and a rear connection. The stove can easily be operated using the stainless steel handle. The handle was designed in such a way that it hardly absorbs any heat at all. In addition, the entire burning process can be operated with one single knob. All of the above ensures optimal ease of use. The coating of the stove consists of a heat resistant coating (Anthracite, color code 930). The stove was manufactured completely in our own factory using the most modern techniques. A team of professionals has constructed, manufactured and verified the stove with the greatest possible care. This guarantees a product with the quality you've come to expect of RENY.

The Schoon Glas Injectie (SGI)-system (Clean Glass Injection)
was first introduced by manufacturer RENY.
The stove has been designed in such a way that airflow is created just alongside the window-pane. This creates optimal burning at that location, which prevents windows from becoming charred and instead keeps them extremely clean. This allows you to keep enjoying the atmospheric flame interaction.

LVB-system
Houses are insulated increasingly well. Chinks in windows and doors are a thing of the past. This means that less and less outside air enters the house than before. However that also means that the required oxygen for incineration is lacking which means that vacuum may occur. This is why RENY has developed the Lucht Van Buiten (LVB) system (Outside Air system). This allows for an external aeration supply so that a closed system is established. This closed system ensures that the entire primary, secondary and tertiary aeration can be supplied with fresh air from outside. This creates a perfect incineration, without air being extracted from your living area. The LVB system also guarantees a maximum efficiency from the consumed energy, because no heated air is extracted from the room for incineration. The stove will provide optimal performance in any situation.

The transfer of heat
by the stove consists of convection and radiation heat. The convection heat is caused by cold ambient air that flows between the outer sheath and the incineration compartment through the back of the stove in the double-walled circuit. When passing the incineration compartment, this air is heated. This heated air is then released into the environment through the convection gaps above the door. This system guarantees an even heat release to the entire area. The radiation heat is distributed through the heated glass surface in the door.
The stove can be equipped with a fan cabinet with two axial fans. The over-capacity of the fans makes sure that they provide sufficient air output with a low speed. This means that the production of additional noise is minimal. The speed of the fans can be adjusted through a controller. This way the natural convection is enhanced and the heat will be distributed over a larger surface.

In view of the environment
heating with wood is a responsible choice. When properly and optimally burnt, wood doesn't affect the environment in a more negative way than if it would have died in a natural way. During the incineration of wood, the amount of CO_2 released is the same as the amount consumed from the air by the tree. A cycle in balance with nature, that doesn't contribute to the greenhouse effect. The latest RENY incineration system aims for optimal incineration using primary, secondary and tertiary aeration. The specially designed incineration compartment is in compliance with the strictest standard for woodstoves in Europe. Moreover, due to the extremely high efficiency combined with an extremely low emission, the RENY DYNAMIC is the most environmentally-friendly woodstove available.