

ELLEGI 

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**HYBRID PELLETT SYSTEM / SOLAR /
HEAT PUMP SYSTEM
25kW, 35kW**

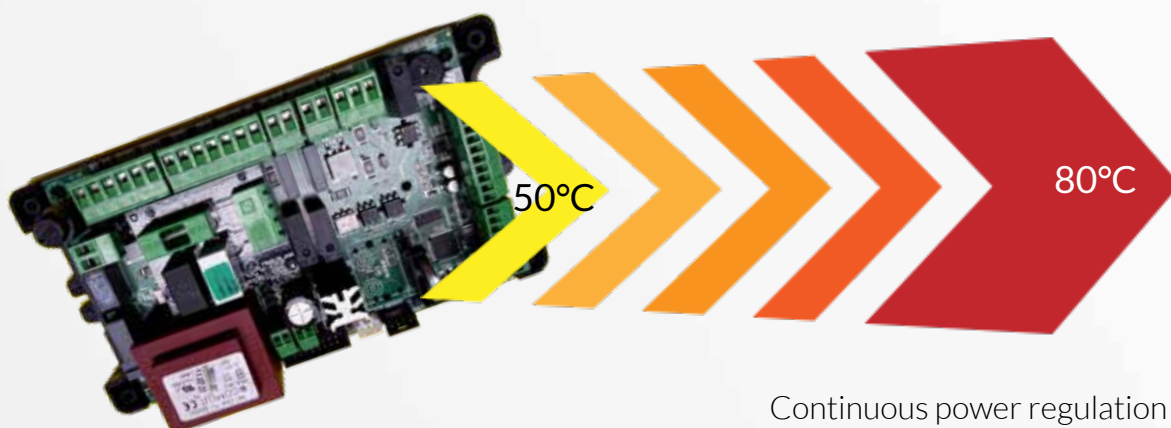
ALL OUR PRODUCTS ARE DESIGNED,
PRODUCT AND ASSEMBLED IN OUR
PRODUCTION SITES IN ITALY



The production process uses state-of-the-art machine tools that allow process homogeneity and the highest quality standards.

All process are completed out by highly qualified personnel.
Our products are always tested to ensure the highest level of quality.

OPERATIONS ARE CONTROLLED BY
LOGIC MICROPROCESSOR,
THE HEART OF A PERFECT SYSTEM



Continuous power regulation according to the
puffer temperature.
Automatic modulation system.

THE SYSTEM

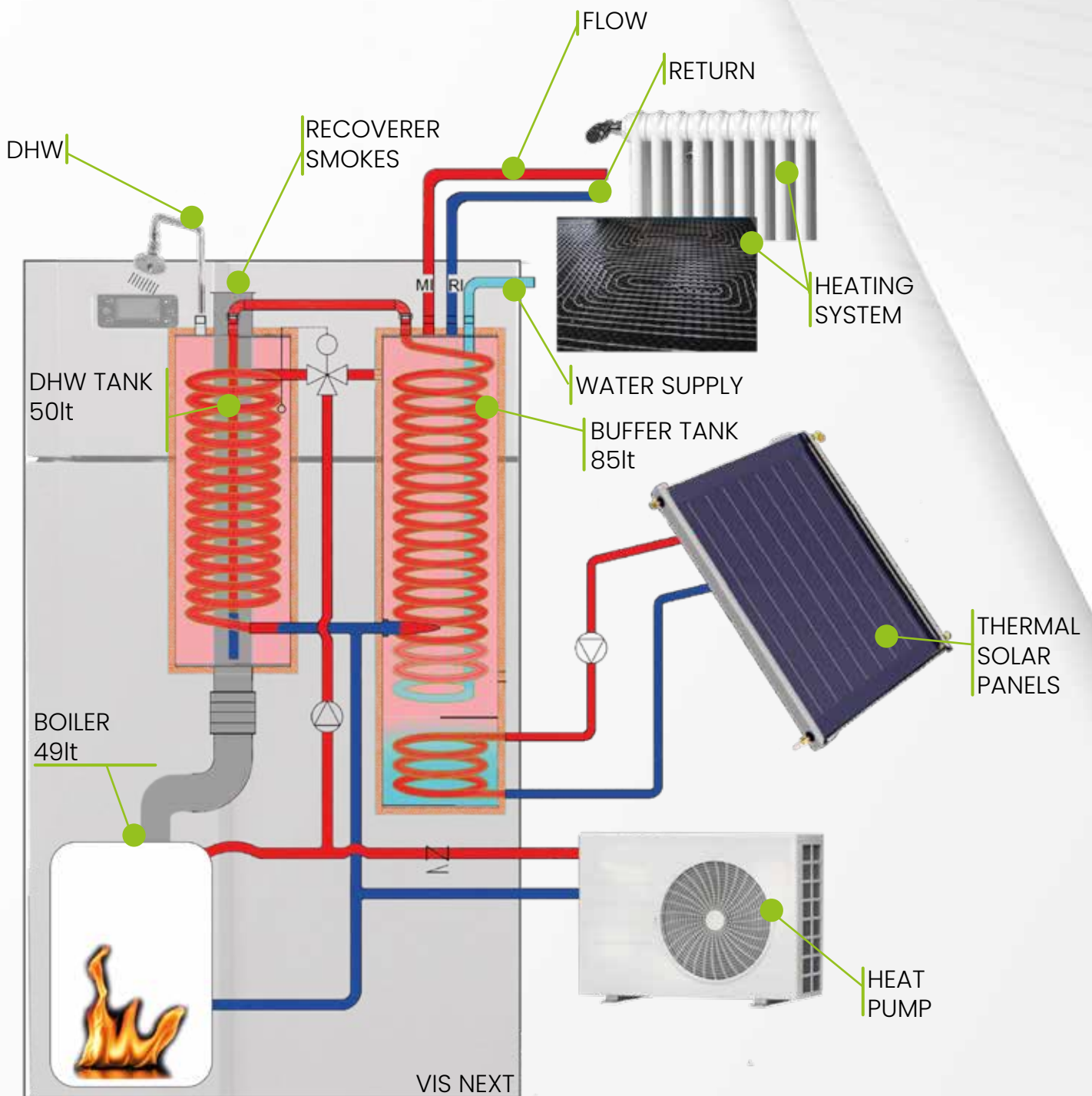
The hybrid system consists of: pellet boiler, solar system heater and heat pump made and designed to work together with each other (Factory Made).

It is a hybrid system perfectly adhering to the legislation in force, able to offer a higher efficiency possible, with reduced consumption respecting the environment.

This type of system is ideal for domestic or residential installation and especially for the renovation of air conditioning and production of D.H.W.

The compactness of the product (complete with the solutions adopted) allows a simple plant construction with considerable savings of time during the assembly phase.

- Energy efficiency
- Simple and reliable installation
- Respect for the environment
- Guaranteed energy savings
- Ideal for renovations of existing systems
- Energy requalification with use of alternatives and renewables energy
- Incentives



PELLET BOILER

CHARACTERISTICS

- Combustion chamber in high quality steel
- Automatic cleaning brazier and flue gas exchanger
- Schedule time bands
- Automatic ash extraction system
- Modulating pellet loading
- Technical water storage with preheating (Puffer)
- Stainless steel storage tank D.H.W.
- Smoke unit



SMARTPHONE CONTROL SYSTEM (OPTIONAL)

- Full access to the user menu
- Power on / off
- Temperature regulation
- Chrono programming



AUTOMATIC OPERATORS CLEANING EXCHANGER

A gear motor the cleaning mechanism of the heat exchanger.

The constant cleaning of the exchanger' guarantees continuous and maximum performances in time.

DOUBLE DOOR

External protective and insulated door
Technical door with high temperature ceramic glass value.

PELLET HOPPER

Capacity 66 kg

FUEL LOADING SYSTEM

Steel screw with speed modulation system.

EXPANSION VESSEL

CIRCULATOR

High-efficiency energy saving

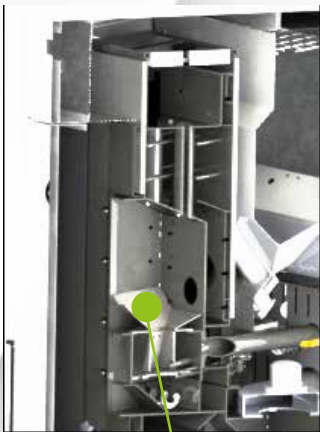
BUFFER TANK

DHW STORAGE TANK

SMOKES EXTRACTOR

AUTOMATIC ASH REMOVAL

This additional allows you to remove the ashes only once a month

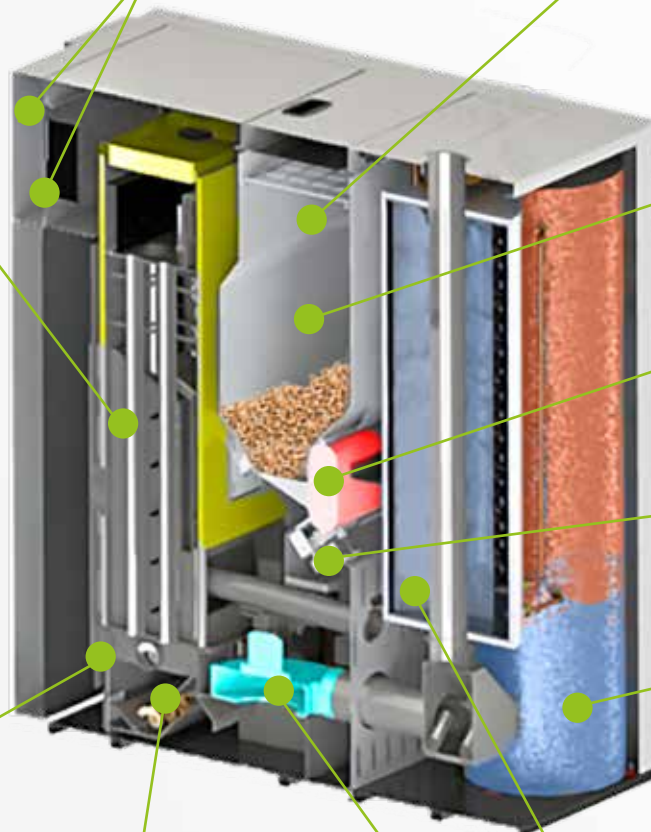


BURNER

AISI 316L stainless steel burner and vermiculite walls to reach a very high temperatures during the combustion phase.

GRATE CLEANING

A particular sliday grate, through a robust electromechanical system, periodically clean the bottom burner, thus ensuring the regular combustion air.



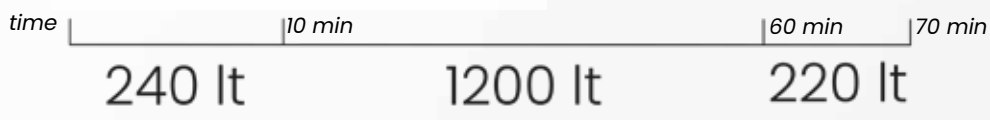
SYSTEM'S HEART



HYBRID SYSTEM

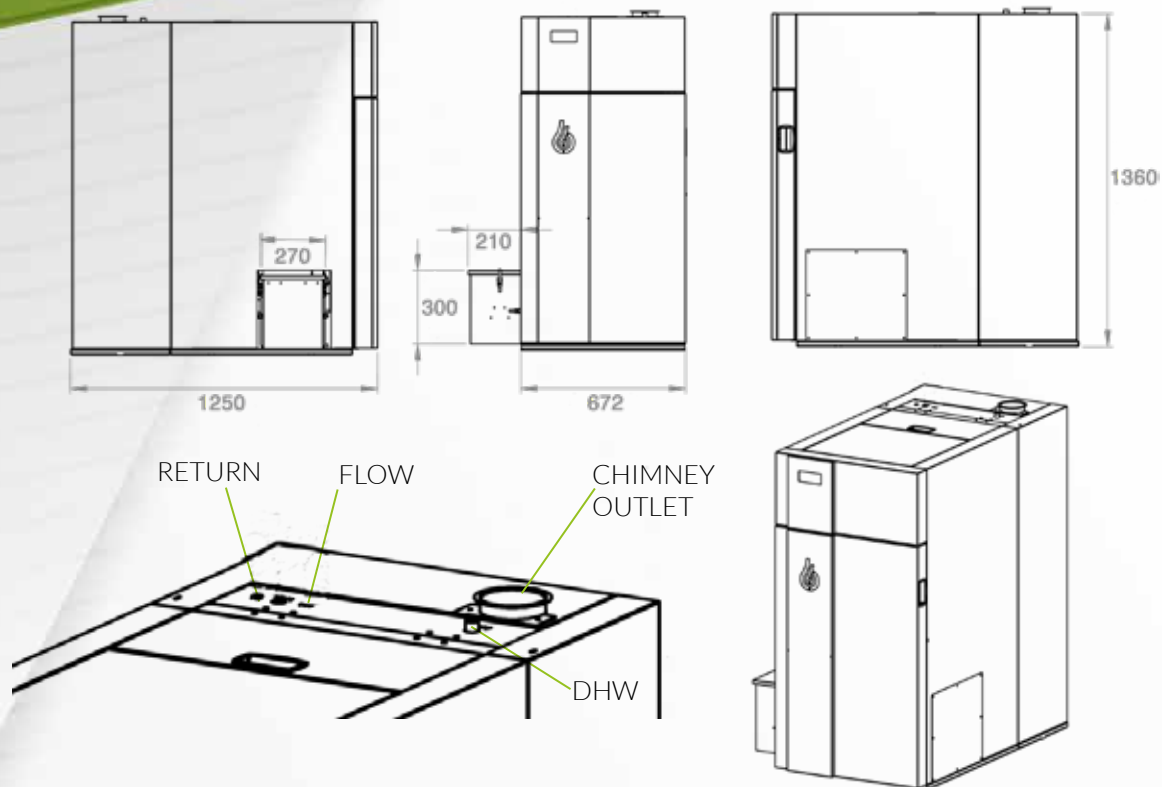
- Smoke energy recovery guarantees units + 3% efficiency
- Buffer tank with DHW pre-heating
- Stainless steel DHW tank for hot water production
- Optional heat pump
- Optional solar installation
- Automatic flue gas exchanger cleaning system
- Hybrid system with a electronic dedicated part (Boiler - Solar - Heat Pump)
- Compact dimensions
- Hydraulic connections on the rear of the system
- Right or left external ash drawer

DHW PRODUCTION



Cold water inlet T. 12 °C
 DHW outlet T. 45 °C
 Boiler T. 70-80 °C

DIMENSIONAL



TECHNICAL CHARACTERISTICS	u.m.	VIS 25 NEXT	VIS 35 NEXT
Nominal power input	kW	25	34,5
Minimum power input	kW	7,2	7,2
Nominal heat output	kW	23	31,6
Minimum heat output	kW	6,6	6,6
Nominal power efficiency	%	91,9 + 3%	91,6 + 3%
Fuel pellet hopper capacity	kg	66	66
Hourly pellet consumption	kg/h	1,5 ÷ 5,1	2 ÷ 7
Chimney outlet Ø	mm	100	100
Boiler capacity	lt	49	49
Puffer capacity	lt	85	85
DHW producer capacity	lt	50	50
Nominal exhaust temperature	°C	110	125
DHW production	lt/h	1440	1440
Class	-	5	5
Weight	kg	370	375

The innovative technology that manages the heat allows greater comfort and maximum efficiency.

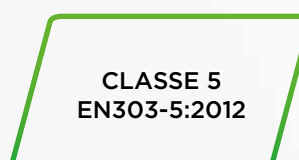
The loading, burner cleaning and air extraction automations allow autonomous use without man interventions for many hours of operation.

Certifications: VIS NEXT boilers are certified according to the standard EN 303-5: 2012, class 5.

All the components used comply with the most restrictive European certifications.



Environmental certification



SOLAR PANELS

- FLAT

- VACUUM



With solar collectors and solar thermal systems you can have a renewable, available, inexhaustible and clean source of energy released from the sun for the production of thermal energy and domestic hot water.

FLAT SOLAR PANELS

Very high efficiency solar collectors built with “noble” raw materials of the highest quality. The construction system makes it to install and maintain quick and easy.

- Frame in tubular aluminum section
- Absorber in selectively treated aluminum plate with copper pipes for the solar liquid conduction
- Complete insulation of the rear with rock wool
- Aluminum sheet rear bottom
- Fittings with lateral connections with flare and ring nut fixing
- High transmission anti-hail solar glass
- Excellent appearance of the product

VACUUM SOLAR PANELS

Solar collectors with vacuum tubes and “HEAT-PIPE” system.

- Panels: vacuum heat-pipes
- Storage tank: integrated or circulation forced
- Control pump: only for forced circulation systems
- Control system: centralized.

HEAT PUMPS



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