

Beretta, efficiency at your fingertips



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# EFFICIENCY AT YOUR FINGERTIPS

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Beretta commitment is concrete and is aimed at an increasingly eco-sustainable future. For this reason Beretta is today already **ErP-Ready** with solutions for every installation and comfort requirements in terms of residential heating and systems. A comprehensive portfolio and in continuous evolution with many **ErP-Ready** proposals for all needs: replacement, buildings energy upgrading, refurbishment, new building.



## BERETTA IS READY WITH SOLUTIONS FOR ANY INSTALLATION REQUIREMENTS AND WITH TOP QUALITY SERVICES

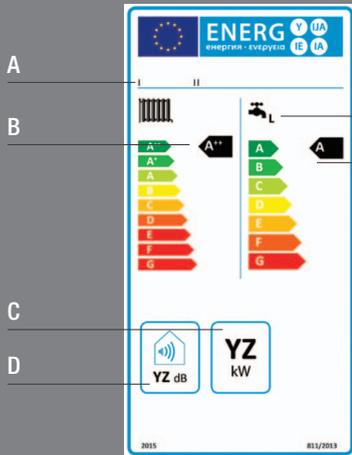


**ErP-Ready** means for Beretta being ready not only in terms of product portfolio, but also as a Company. Beretta customer-centred approach translates into a worldwide network of specialists: proximity, expertise and professionalism are Beretta key values. Because with Beretta, the know-how is at your fingertips, as well as efficiency.

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# 01.

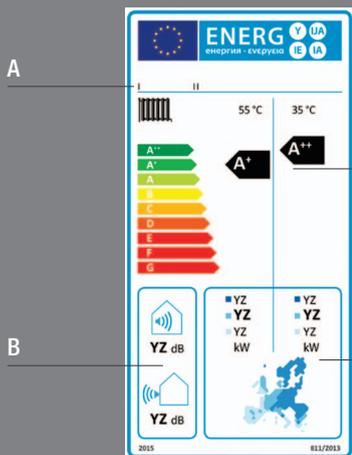
For instance, a **condensing wall-hung gas boiler** will be labelled as below:



- A Manufacturer's name and model name
- B Heating energy efficiency class
- C Nominal output
- D Sound power level
- E Domestic hot water load profile
- F Domestic hot water energy class

# 02.

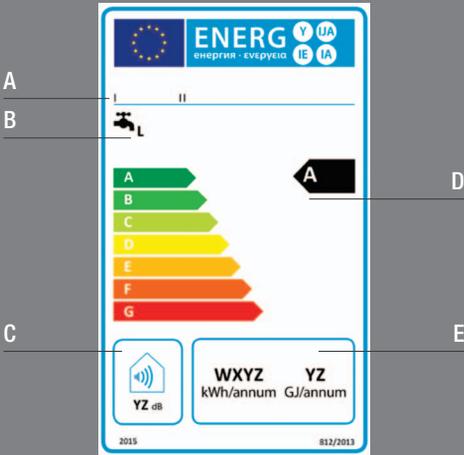
A **heat pump** for space heating will display a slightly different label:



- A Manufacturer's name and model name
- B Sound power levels of indoor and outdoor units
- C Heating energy class at high and low temperatures
- D Nominal heating capacity at three indicative temperature zones

# 03.

Also the **water heaters** will have to display their energy label:



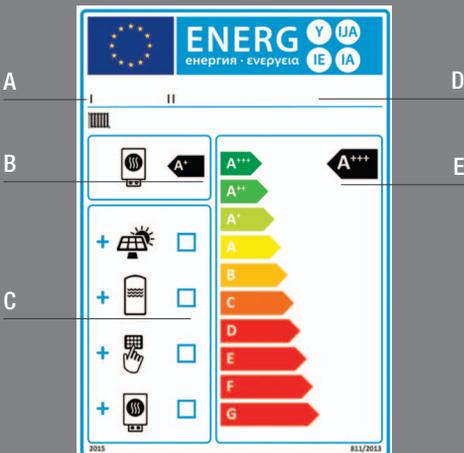
- A Manufacturer's name and model name
- B Domestic hot water load profile
- C Sound power level
- D Domestic hot water energy efficiency class
- E Yearly energy and/or fuel consumption

The energy efficiency classes, divided in two macro-groups of central heating and domestic hot water preparation, are the same for all relevant types of appliances, allowing the end-user to make very realistic comparisons among different products.

# 04.

## LABELLING OF A HEATING SYSTEM

Comparisons will be possible also among systems, made of different products, because the European Rules foresee, from the same date of 26.09.2015, the labelling of heating systems. Below, an example of a system label:



- A Dealer's and/or Supplier's name
- B Energy efficiency class of appliance for space heating
- C System components
- D Dealer's and/or Supplier's model identifier
- E System Energy efficiency class (to be calculated by the Dealer and/or Supplier)

In the following years, the labels of products and systems will be remodeled by removing the least efficient energy classes.



ready

## POWER PLUS

(COMMERCIAL AND LIGHT-COMMERCIAL APPLICATIONS)

Featuring a unique bimetallic condensing high efficiency heat exchanger, this modular boiler can be installed as stand-alone or in cascades up to 400 kW.



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## POWER PLUS BOX

(COMMERCIAL AND LIGHT-COMMERCIAL APPLICATIONS)

The high power solution for outdoor and indoor installations. Available also for stand-alone installation, it can be cascaded up to 600 kW. Low energy heating zone kit available as an accessory.



ready

## HYBRID BOX

(NEW/ RESIDENTIAL)

The solution for in-wall installation, integrating multiple energy sources for their best use: a combination condensing boiler, a forced-circulation solar thermal system and a hydronic heat pump for heating, cooling and D.H.W. production.





## AQUAZENIT

(D.H.W. PRODUCTION)

Wall-hung heat pump for D.H.W. production with touch display and best in class performance: operating range from -7°C to +35°C and COP 3,1 according to EN 16147



## TOWER GREEN HYBRID

(BUILDINGS ENERGY UPGRADING/  
RESIDENTIAL)

Condensing floor-standing boiler with top performance (modulation 1:10, modulating low energy pump) to be combined with solar thermal and a hydronic heat pump for an even higher efficient system.



## GREEN HE

(REPLACEMENT, BUILDINGS ENERGY  
UPGRADING, RESIDENTIAL)

The top-range condensing wall-hung boiler in terms of performance and efficiency: modulation 1:10, modulating low energy pump, range rated certification and highest DHW performance.



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# ErP Directive 2009/125/EC, AN EPOCH-MAKING TURNING POINT FROM SEPTEMBER 2015

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The **ErP** abbreviation, which stands for “Energy related Products”, identifies the **Directive 2009/125/EC**, aiming at reducing the energy consumption of the products through the eco-design. **September 26, 2015**, the date on which the ErP Directive will come into force, will represent an epoch-making turning point for the appliances producing central heating and domestic hot water. From that date also a new energy labelling of the products will be implemented, recasting the corresponding Directive 2010/30/EU.

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The rules foresee that all products for central heating and domestic hot water production, with nominal output lower than or the same as 70 kW, will be admitted on the market only if displaying an **energy label** showing the efficiency class. According to the different kinds of appliances/technologies, different energy labels are foreseen, but all of them will be rated through a graded colour scale identifying at a glance the different efficiency levels. The labelling aims at giving the consumer the possibility to easily identify the efficiency level of a product and to compare homogeneously with each others the products that use the same technology. For those products whose efficiency is influenced by external weather conditions, like for instance the heat pumps, the efficiency level is reported for indicative temperature zones.

Besides the product labels, the European rules foresee the creation of a **system label** in case of systems made of different appliances, components and relevant controls. This second type of labelling, thanks to the virtuous synergy among the different elements, will give the possibility to make systems able to reach even higher levels of efficiency than the relevant single appliances.

Starting always from the same date, **new requirements** of seasonal efficiency will be set for appliances for central heating only and for combination appliances (central heating and domestic hot water production). These requirements will concern products with nominal output lower than or the same as 400kW and will prevent the entry on the market of the least efficient products. Also domestic hot water tanks will have to meet new requirements in terms of thermal losses. The buffer tanks will be rated according to their efficiency in terms of thermal losses too. For the domestic hot water tanks up to 500 litres, the labelling will be mandatory; the ones from 500 to 2000 litres will be bound to the respect of energy efficiency classification. Concerning the heat pumps for central heating and the mixed appliances, besides the seasonal efficiency limits, specific sound levels limits will be set according to the output sizes. Also the gas water heaters, the wall-hung heat pumps for domestic hot water production and the solar thermal cylinders, in order to be admitted on the market, besides the energy labelling will have to meet a series of requirements in terms of efficiency.



DISCOVER THE LABELS  
EXAMPLES



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