

## AQUA RANGE BEROA



## Customised thermal comfort

The Beroa boiler incorporates a new plate that allows it to be connected to **Open Therm** thermostats, avoiding consumption peaks and facilitating its control, saving energy without losing thermal comfort.



### INOX



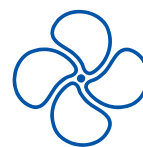
#### Stainless steel exchanger

The stainless steel heat exchanger prevents corrosion and extends the life of the boiler.



#### Adjustable water pump

The pumping technology adjusts to the installation needs, ensuring greater energy savings.



#### Modulating DC fan

The fan works by adapting to the user's needs, providing great energy savings.



#### Intelligent operation

Adjust the parameters according to the use made of the boiler, thus modulating the intensity of the flame.



#### European regulation ERP ready

Its condensation technology reduces the emission of polluting gases, is sustainable and respectful with the environment.



#### DHW instantly

It supplies hot water at any time at a constant temperature, providing thermal comfort and saving water.



#### Open Therm

Modulating system that allows a progressive increase in temperature avoiding consumption peaks, reducing electricity costs and improving the feeling of comfort.



## CONDENSING BOILER BEROA



Clase NOx 5



Stainless steel  
exchanger



High efficiency  
107%



Adjustable  
water pump



Modulating fan



Smart operation



DHW  
Instantly



Protection against  
high pressure in  
the installation



Open Therm  
ready



Gas outlet  
kit (B22)

| MODEL  | HTWCQ24BEROA-OPT |                          | HTWCQ28BEROA-OPT |                 | HTWCQ35BEROA-OPT |  |
|--|------------------|--------------------------|------------------|-----------------|------------------|--|
| EAN CODE   | 8435483848528    |                          | 8435483848276    |                 | 8435483848283    |  |
| Power supply   | V,F,Hz           | 220-240V (1 Phase~ 50Hz) |                  |                 |                  |  |
| POWER  |                  |                          |                  |                 |                  |  |
| Nominal input power (50/30°C)                          | kW               | 22,8                     | 26,1             | 32,4            |                  |  |
| Nominal output power (50/30°C)                         | kW               | 24,6                     | 28,2             | 35              |                  |  |
| Performance (50/30°C)                                  | %                | 105,48                   | 102,7            | 103,84          |                  |  |
| Declared profile                                       | —                | XL                       | XL               | XL              |                  |  |
| Energy class   | —                | A                        | A                | A               |                  |  |
| PERFORMANCE  |                  |                          |                  |                 |                  |  |
| Min. work pressure                                     | bar              | 0,8                      | 0,8              | 0,8             |                  |  |
| Max. work pressure                                     | bar              | 2                        | 2                | 2               |                  |  |
| Min. heating temperature                               | °C               | 35                       | 35               | 35              |                  |  |
| Max. heating temperature                               | °C               | 80                       | 82               | 85              |                  |  |
| Water flow (Δ T= 25 C°)                                | L/min            | 11,4                     | 13,3             | 17              |                  |  |
| Nominal gas consumption                                | m³/h             | 2,35                     | 2,51             | 2,73            |                  |  |
| FEATURES   |                  |                          |                  |                 |                  |  |
| Gas type   | —                | Natural Gas G20          | Natural Gas G20  | Natural Gas G20 |                  |  |
| Min. gas pressure                                      | mbar             | 14                       | 14               | 14              |                  |  |
| Max. gas pressure                                      |                  | 26                       | 26               | 26              |                  |  |
| CO <sub>2</sub> fumes extraction                       | %                | 9,09                     | 8,87             | 9,23            |                  |  |
| O <sub>2</sub> fumes extraction                        | %                | 4,97                     | 5,28             | 4,74            |                  |  |
| CO fumes extraction                                    | PPM              | 170                      | 11               | 24              |                  |  |
| Main heat exchangers                                   | —                | Valmex                   | Valmex           | Valmex          |                  |  |
| Plate heat exchangers                                  | —                | Sweep/Zilmet             | Sweep/Zilmet     | Sweep/Zilmet    |                  |  |
| Protection level                                       | —                | IPX4D                    | IPX4D            | IPX4D           |                  |  |
| Electrical power input                                 | W                | 140                      | 140              | 140             |                  |  |
| DIMENSIONS AND WEIGHT                                  |                  |                          |                  |                 |                  |  |
| Net Dimensions (W x H x D)                             | mm               | 400x717x330              | 400x717x390      | 400x717x390     |                  |  |
| Packaging dimensions (W x H x D)                       | mm               | 460x810x390              | 460x720x440      | 460x720x440     |                  |  |
| Net weight   | Kg               | 29                       | 32               | 34              |                  |  |
| Gross weight   | Kg               | 30,33                    | 34               | 36              |                  |  |
| CONNECTIONS  |                  |                          |                  |                 |                  |  |
| Gas / Hot / Cold water connection                      | in.              | G3/4"                    | G3/4"            | G3/4"           |                  |  |
| Heating supply connection / Heating return             | in.              | G1/2"                    | G1/2"            | G1/2"           |                  |  |
| Air inlet/outlet                                       | mm               | Ø60 / Ø100               | Ø60/Ø100         | Ø60/Ø100        |                  |  |
| Maximum length of vertical coaxial flue outlet         | m                | 10                       | 10               | 10              |                  |  |
| Maximum length of horizontal coaxial flue outlet       | m                | 8                        | 8                | 8               |                  |  |
| Losses due to introduction of curve 90°/45° Ø60 / Ø100 | m                | 1                        | 1                | 1               |                  |  |

**Notes:** Capacity data under standard conditions. Actual data will vary depending on where the equipment is installed and how it is used. The dimensions of the electrical wiring are approximate, it must be calculated based on the conditions of the installation itself.