

# EU TYPE-EXAMINATION CERTIFICATE (MODULE B) REGULATION (EU) 2016/426

This is to certify that the appliances listed have been examined and found to comply with the essential requirements listed in the **Regulation (EU) 2016/426** of the European Parliament and of the council of 9 March 2016 on appliances burning gaseous fuels (Annex I).

To demonstrate full compliance with the Regulation (EU) 2016/426, a "Conformity to Type" Module C2 or D or E or F is required.

**Applicant:** Riello S.p.A.  
Via Ing. Pilade Riello, 7- 37045 (VR) - Italy

**Trade Mark:** BERETTA

**Product Type:** Central heating combi condensing boiler

**Models:** CIAO 25C f, CIAO 30C f, CIAO X 25C, CIAO X 30C, CIAO X 25R  
QUADRA X 25C, QUADRA X 30C, QUADRA X 25R

**Certificate N°:** ITS-2575-GAR-2128897-R1

**PIN:** 2575DM28897

This certificate only relates to those products detailed in the following Test Reports:

**Report Number:** 200028897UDI-GCE-RCE-R1



**Certificate Issue date:**

27 July 2021

**Certificate Expiry date:**

01 March 2031

**Gino Baiocco**

Certification Officer  
Intertek Italia SpA (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## PRODUCT DESCRIPTION

<b>PRODUCT TYPE:</b>	Central heating combi condensing boiler
<b>MODELS:</b>	CIAO 25C f, CIAO 30C f, CIAO X 25C, CIAO X 30C, CIAO X 25R <sup>(1)</sup> QUADRA X 25C, QUADRA X 30C, QUADRA X 25R <sup>(1)</sup>
<b>STANDARD(S):</b>	EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016
<b>SPECIAL REMARKS:</b>	<sup>(1)</sup> models designed for heating only but with the possibility of combining a remote storage tank.  Other technical specifications: Minimum Ambient Temperature: -15°C
<b>APPLIANCES TYPE:</b>	B <sub>23P</sub> , B <sub>53P</sub> , C(10), C <sub>13</sub> , C <sub>33</sub> , C <sub>43</sub> , C <sub>53</sub> , C <sub>63</sub> , C <sub>83</sub> , C <sub>93</sub> , C <sub>13x</sub> , C <sub>33x</sub> , C <sub>43x</sub> , C <sub>53x</sub> , C <sub>63x</sub> , C <sub>83x</sub> , C <sub>93x</sub>

The gas categories for which the appliances have been tested can be obtained by combining the following countries and gas groups:

<b>COUNTRIES:</b>	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MK, MT, NO, NL, PL, PT, RO, SE, SI, SK, TR
-------------------	--

### GAS GROUP, REFERENCE GAS AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
H	G20 – 20 mbar	Lw	G27 – 20 mbar	P	G31 – 30 mbar
H	G20 – 25 mbar	Ls	G2.350 – 13 mbar	P	G31 – 37 mbar
M	G230 – 20 mbar	Y20	G20.2 – 20 mbar (*)	P	G31 – 50 mbar
E	G20 – 20 mbar	Y20	G20.2 – 25 mbar (*)		

(\*) Y20 – Gas group not yet introduced in EN 437 based on a gas composition of Methan/Hydrogen (CH<sub>4</sub> = 80% / H<sub>2</sub> = 20%)

## REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PRJ NO.	REPORT NO.	REASON FOR REVISION
01/03/2021	S. Zornio	28897	200028897UDI-GCE-RCE	R0: First issue
27/07/2021	G. Baiocco	29504	200028897UDI-GCE-RCE-R1	R1: Added gas groups: M, Lw, Ls, Y20 and appliance type C(10)

# EC TYPE-EXAMINATION CERTIFICATE (MODULE B) DIRECTIVE 92/42/EEC

This is to certify that, with reference to the Council **Directive 92/42/EEC** of 21 May 1992 on efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels and according to article 4 of commission regulation (EU) No. 813/2013, the appliances listed have achieved the full and part load efficiencies written on Annex 1.

To demonstrate full compliance with the Directive 92/42/EEC, a "Conformity to type" Module C or D or E is required.

**Applicant:** Riello S.p.A.  
**Via Ing. Pilade Riello, 7- 37045 (VR) - Italy**

**Trade Mark:** Beretta

**Product Type:** Central heating combi condensing boiler

**Models:** CIAO 25C f, CIAO 30C f, CIAO X 25C, CIAO X 25R, CIAO X 30C  
QUADRA X 25C, QUADRA X 25R, QUADRA X 30C

**Certificate N°:** ITS-2575-BED-2128897-R1

**PIN:** 2575DM28897

**Standard(s):** EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016

This certificate only relates to those products detailed in the following Test Reports:

**Report Number:** 200028897UDI-GCE-RCE-R1



**Certificate Issue date:**

01 March 2021

**Certificate Revised date:**

27 July 2021

**Gino Baiocco**

Certification Officer  
Intertek Italia SpA (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo  
Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## ANNEX 1

Models:				
	CIAO 25C f		CIAO 30C f	
	CIAO X 25C	CIAO X 25R	CIAO X 30C	
	QUADRA X 25C	QUADRA X 25R	QUADRA X 30C	
$\eta_{100}$	97,0 %	97,0 %	97,3 %	
$\eta_{30}$	109,3 %	109,3 %	109 %	
$\eta_4$	87,3 %	87,3 %	87,6 %	
$\eta_1$	98,5 %	98,5 %	98,2 %	
$P_4$	19,4 kW	19,4 kW	24,4 kW	
$P_1$	6,5 kW	6,5 kW	8,2 kW	
C.Heater?	Yes	No <sup>(1)</sup>	Yes	
B <sub>1</sub> Boiler?	No	No	No	
Type of boiler:	Condensing	Condensing	Condensing	

Note:  $\eta_{100}$  = At rated heat output and high-temperature regime - NCV (\*) - EN15502-1 clause 9.5.2.1: "the useful efficiency at nominal heat input  $Q_n$  or for range rated boilers at the arithmetic mean of the maximum and minimum heat input  $Q_a$ "

$\eta_{30}$  = At 30 % of rated heat output and low-temperature regime - NCV (\*\*) - EN15502-1 clause 9.5.2.1: "the useful efficiency at 30 % of the nominal heat input  $Q_n$  or for range rated boilers at 30 % of the arithmetic mean of the maximum and minimum heat input  $Q_a$ "

$\eta_4$  = At rated heat output and high-temperature regime (\*)

$\eta_1$  = At 30 % of rated heat output and low-temperature regime (\*\*)

$P_4$  = At rated heat output and high-temperature regime (\*)

$P_1$  = At 30 % of rated heat output and low-temperature regime (\*\*)

C.Heater = Combination Heater (Yes = with domestic hot water production / No = Heating system only)

B<sub>1</sub> Boiler = B<sub>1</sub> according CEN/TR 1749:2014

Type of boiler: "Condensing Boiler" or "Low Temperature Boiler" or "Other Boiler"

(\*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(\*\*) Low temp. means for condensing boilers 30 °C, for low-temp. boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production.

(n.t. = not tested; n.a. = not applicable)

## REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PRJ NO.	REPORT NO.	REASON FOR REVISION
01/03/2021	S. Zornio	28897	200028897UDI-GCE-RCE	R0: First issue
27/07/2021	G. Baiocco	29504	200028897UDI-GCE-RCE-R1	R1: added new models