

# 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 15R, CIAO X 25R,  
QUADRA X 25C, QUADRA X 30C, QUADRA X 25R

**Certificate N°:** ITS-2575-GAR-2128897-R5

**PIN:** 2575DM28897

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

**Report Number:** 200028897UDI-GCE-RCE-R8

**Certificate Issue date:**

2 February 2023

**Certificate Expiry date:**

01 March 2031

  
**Michael Albert Gandin**

Certification Manager  
Intertek Italia SpA (NB 2575)



PRD N° 277B

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Riconoscimento EA, IAF e ILAC

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## 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 15502-1:2021, EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016
<b>SPECIAL REMARKS:</b>	Minimum ambient temperature > 0°C (-15°C with frost protection kit) <sup>(1)</sup> = Models designed for heating only but with the possibility of combining a remote storage tank.
<b>APPLIANCES TYPE:</b>	B <sub>23P</sub> , B <sub>53P</sub> , C <sub>(10)</sub> , 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
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### GAS GROUP, REFERENCE GAS AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
H	G20 – 20 mbar	E(R)	G20/G25 – 20/25 mbar	P	G31 – 30 mbar
H	G20 – 25 mbar	E(S)	G20/G25 – 20/25 mbar	P	G31 – 37 mbar
E	G20 – 20 mbar	Lw	G27 – 20 mbar	P	G31 – 50 mbar
Esi	G20/G25 – 20/25 mbar	Ls	G2.350 – 13 mbar		
Er	G20/G25 – 20/25 mbar	M	G230 – 20 mbar		
ELL	G20/G25 – 20 mbar	Y20	G20.2 – 20 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%)

<b>PRODUCT TYPE:</b>	Central heating combi condensing boiler
<b>MODELS:</b>	CIAO X 15R <sup>(1)</sup>
<b>STANDARD(S):</b>	EN 15502-1:2021, EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016
<b>SPECIAL REMARKS:</b>	Minimum ambient temperature > 0°C (-15°C with frost protection kit) <sup>(1)</sup> = Models designed for heating only but with the possibility of combining a remote storage tank.
<b>APPLIANCES TYPE:</b>	B <sub>23P</sub> , B <sub>53P</sub> , C <sub>(10)</sub> , 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:

**COUNTRIES:** 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	E(R)	G20/G25 – 20/25 mbar	P	G31 – 30 mbar
H	G20 – 25 mbar	E(S)	G20/G25 – 20/25 mbar	P	G31 – 37 mbar
E	G20 – 20 mbar	Lw	G27 – 20 mbar	P	G31 – 50 mbar
Esi	G20/G25 – 20/25 mbar	Ls	G2.350 – 13 mbar		
Er	G20/G25 – 20/25 mbar	Y20	G20.2 – 20 mbar (*)		
ELL	G20/G25 – 20 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 <sub>(10)</sub> and added models.
28/10/2021	M.A. Gandin	31649	200028897UDI-GCE-RCE-R2	R2: Introduction of new model CIAO X 15R.
28/07/2022	M.A. Gandin	33875	200028897UDI-GCE-RCE-R7	R3: Introduction of product codes for models CIAO X 25C and CIAO X 30C with alternative fan motor.
23/01/2023	M.A. Gandin	35443	200028897UDI-GCE-RCE-R8	R4: Verification according to EN 15502-1:2021 and introduction of new gas categories
02/02/2023	M.A. Gandin	35443	200028897UDI-GCE-RCE-R8	R5: Typo correction

# 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 30C,  
CIAO X 15R, CIAO X 25R  
QUADRA X 25C, QUADRA X 25R, QUADRA X 30C

**Certificate N°:** ITS-2575-BED-2128897-R2

**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-R2



**Certificate Issue date:**

01 March 2021

**Certificate Revised date:**

28 October 2021



**Michael Albert Gandin**

Certification Manager  
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PDR N° 277B

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## ANNEX 1

<b>Models:</b>				
<b>Models:</b>	<b>CIAO X 15R</b>	<b>CIAO X 25C</b>	<b>CIAO X 25R</b>	<b>CIAO X 30C</b>
		<b>QUADRA X 25C</b>	<b>QUADRA X 25R</b>	<b>QUADRA X 30C</b>
$\eta_{100}$	96,7 %	97,0 %	97,0 %	97,3 %
$\eta_{30}$	109,6 %	109,3 %	109,3 %	109,0 %
$\eta_4$	87,1 %	87,3 %	87,3 %	87,6 %
$\eta_1$	98,7 %	98,5 %	98,5 %	98,2 %
$P_4$	14,5 kW	19,4 kW	19,4 kW	24,4 kW
$P_1$	4,9 kW	6,5 kW	6,5 kW	8,2 kW
C.Heater	No <sup>(1)</sup>	Yes	No <sup>(1)</sup>	Yes
B <sub>1</sub> Boiler	No	No	No	No
Type of boiler:	Condensing	Condensing	Condensing	Condensing
Range Rated?	No	Yes	Yes	Yes
<sup>(1)</sup> models designed for heating only but with the possibility of combining a remote storage tank (the boiler does not have the sanitary circuit but keeps the three-way valve and the connections for the remote storage tank).				

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)  
 B1 Boiler = B1 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).

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

## REVISION AND COMMENTS

<b>DD/MM/YYYY</b>	<b>AMENDED BY</b>	<b>PRJ NO.</b>	<b>REPORT NO.</b>	<b>REASON FOR REVISION</b>
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
28/10/2021	M.A. Gandin	31649	200028897UDI-GCE-RCE-R2	R2: Introduction of new model CIAO X 15R