

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

Trademark: RIELLO

Product Type: Central heating combi condensing boiler

Models: FAMILY EXTERNA 25 KIS, FAMILY EXTERNA 30 KIS

Certificate N°: ITS-2575-GAR-213194802-R2

PIN: 2575DM28897

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

Report Number: 200028897UDI-GCE-RCE-R9

Certificate Issue date:

29 Feb 2024

Certificate Expiry date:

28 March 2032

Michael Albert Gandin

Certification Manager
Intertek Italia SpA (NB 2575)



PRD N° 277B

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PRODUCT DESCRIPTION

PRODUCT TYPE:	Central heating combi condensing boiler
MODELS:	FAMILY EXTERNA 25 KIS
STANDARD(S):	EN 15502-1:2021+AC:2022, EN 15502-1:2022, UNI-TS 11854
SPECIAL REMARKS:	Minimum ambient temperature > -15°C
APPLIANCES TYPE:	B _{23P} , B _{53P} , C ₍₁₀₎ , C ₁₃ , C ₃₃ , C ₄₃ , C ₅₃ , C ₆₃ , C ₈₃ , C ₉₃ , C _{13x} , C _{33x} , C _{43x} , C _{53x} , C _{63x} , C _{83x} , C _{93x}

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*

* = upon Manufacturer request

GAS GROUP, REFERENCE GAS AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
2H	G20 – 20 mbar	2M	G230 – 20 mbar	3P	G31 – 30 mbar
2H	G20 – 25 mbar	2HY20	G20.2 – 20 mbar (*)	3P	G31 – 37 mbar
2E	G20 – 20 mbar	2EY20	G20.2 – 20 mbar (*)	3P	G31 – 50 mbar

(*) Y20 – Gas group not yet introduced in EN 437 based on a gas composition of Methan/Hydrogen (CH₄ = 80% / H₂ = 20%)

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MODELS:	FAMILY EXTERNA 30 KIS
STANDARD(S):	EN 15502-1:2021+AC:2022, EN 15502-1:2022, UNI-TS 11854
SPECIAL REMARKS:	Minimum ambient temperature > -15°C
APPLIANCES TYPE:	B _{23P} , B _{53P} , C ₍₁₀₎ , C ₁₃ , C ₃₃ , C ₄₃ , C ₅₃ , C ₆₃ , C ₈₃ , C ₉₃ , C _{13x} , C _{33x} , C _{43x} , C _{53x} , C _{63x} , C _{83x} , C _{93x}

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*

* = upon Manufacturer request

GAS GROUP, REFERENCE GAS AND SUPPLY PRESSURES:

GROUP	REFERENCE GAS	GROUP	REFERENCE GAS	GROUP	REFERENCE GAS
2H	G20 – 20 mbar	2ELL	G20/G25 – 20 mbar	3P	G31 – 30 mbar
2H	G20 – 25 mbar	2Lw	G27 – 20 mbar	3P	G31 – 37 mbar
2E	G20 – 20 mbar	2Ls	G2.350 – 13 mbar	3P	G31 – 50 mbar
2Esi	G20/G25 – 20/25 mbar	2M	G230 – 20 mbar		
2Er	G20/G25 – 20/25 mbar	2HY20	G20.2 – 20 mbar (*)		
2E(R)	G20/G25 – 20/25 mbar	2EY20	G20.2 – 20 mbar (*)		
2E(S)	G20/G25 – 20/25 mbar				

(*) Y20 – Gas group not yet introduced in EN 437 based on a gas composition of Methan/Hydrogen (CH₄ = 80% / H₂ = 20%)

REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PRJ NO.	REPORT NO.	REASON FOR REVISION
29/03/2022	M.A. Gandin	31948	200028897UDI-GCE-RCE-R4	R0: First issue
23/01/2023	M.A. Gandin	35443	200028897UDI-GCE-RCE-R8	R1: Verification according to EN 15502-1:2021 and introduction of new gas categories
29/02/2024	M.A. Gandin	40036	200028897UDI-GCE-RCE-R9	R2: Standard updating.

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.
Address: Via Ing. Pilade Riello, 7- 37045 (VR) - Italy

Trademark: RIELLO

Product Type: Central heating combi condensing boiler

Models: FAMILY EXTERNA 25 KIS, FAMILY EXTERNA 30 KIS

Certificate N°: ITS-2575-BED-213194802-R1

PIN: 2575DM28897

Standard(s): EN 15502-1:2021+AC:2022, EN 15502-1:2022

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

Report Number: 200028897UDI-GCE-RCE-R9

Certificate Issue date:

29 March 2022

Certificate Revised date:

11 March 2024

Michael Albert Gandin

Certification Manager
Intertek Italia SpA (NB 2575)



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ANNEX 1

Models:			
	FAMILY EXTERNA 25 KIS	FAMILY EXTERNA 30 KIS	
η_{100}	97,3 %	97,3 %	
η_{30}	108,5 %	109,0 %	
η_4	87,6 %	87,6 %	
η_1	97,7 %	98,2 %	
P ₄	19,5 kW	24,4 kW	
P ₁	6,5 kW	8,2 kW	
C.Heater	Yes	Yes	
B ₁ Boiler	No	No	
Type of boiler:	Condensing	Condensing	
Range Rated?	Yes	Yes	

Note: η_{100} = At rated heat output and high-temperature regime - NCV (*) - EN 15502-1:2021, clause 9.4.3: "the useful efficiency in % at nominal heat input Q_n or for range rated boilers at the arithmetic mean of the maximum and minimum heat input Q_a"
 η_{30} = At 30 % of rated heat output and low-temperature regime - NCV (**) - EN 15052-1:2021, clause 9.4.3: "the useful efficiency in % 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"
 η_4 = At rated heat output and high-temperature regime (*)
 η_1 = At 30 % of rated heat output and low-temperature regime (**)
P₄ = At rated heat output and high-temperature regime (*)
P₁ = 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).

REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PRJ NO.	REPORT NO.	REASON FOR REVISION
29/03/2022	M.A. Gandin	31948	200028897UDI-GCE-RCE-R4	R0: First issue
11/03/2024	M.A. Gandin	40036 40387	200028897UDI-GCE-RCE-R9	R1: Reference standard updating