

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: RIELLO

Product Type: Central heating combi condensing boiler

Models: START AR 25 KIS

Certificate N°: ITS-2575-GAR-3416601

PIN: 2575DN34166

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

Report Number: 200034166UDI-GCE-RCE

Certificate Issue date:

01 September 2022

Certificate Expiry date:

31 August 2032


Michael Albert Gandin

Certification Manager
Intertek Italia SpA (NB 2575)



PRD N° 277B

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements



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PRODUCT DESCRIPTION

PRODUCT TYPE:	Central heating combi condensing boiler
MODELS:	START AR 25 KIS
STANDARD(S):	EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016
SPECIAL REMARKS:	Minimum ambient temperature = -10°C
APPLIANCES TYPE:	B _{22P} , B _{52P} , C ₁₂ , C ₃₂ , C ₄₂ , C ₅₂ , C ₆₂ , C ₈₂ , C ₉₂ , C _{12X} , C _{32X} , C _{42X} , C _{52X} , C _{62X} , C _{82X} , C _{92X}

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

COUNTRIES: AL, AT, BG, CH, CY, CZ, DE, DK, EE, ES, FI, 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	P	G31 – 30 mbar	P	G31 – 50 mbar
E	G20 – 20 mbar	P	G31 – 37 mbar		
H	G20 – 25 mbar				

REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PROJECT NO.	REPORT NO.	REASON FOR REVISION
01/09/2022	M.A. Gandin	34166	200034166UDI-GCE-RCE	R0: First issue

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: RIELLO

Product Type: Central heating combi condensing boiler

Models: START AR 25 KIS

Certificate N°: ITS-2575-BED-3416601

PIN: 2575DN34166

Standard(s): EN 15502-1:012 + A1:2015, EN 15502-2-1:2012 + A1:2016

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ANNEX 1

Models:			
	START AR 25 KIS		
η_{100}	95,6 %		
η_{30}	101,7 %		
η_4	86,1 %		
η_1	91,6 %		
P_4	24,0 kW		
P_1	7,6 kW		
Combi Heater?	Yes		
B1 Boiler?	No		
Type of boiler:	Condensing		

Note: η_{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 "
 η_{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 "
 η_4 = At rated heat output and high-temperature regime (*)
 η_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)

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