

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 25 KIS, START 30 KIS, START 15 IS, START 25 IS

Certificate N°: ITS-2575-GAR-212950401-R4

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:

26 July 2031



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:	START 25 KIS, START 30 KIS, START 25 IS ⁽¹⁾
STANDARD(S):	EN 15502-1:2021, EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016
SPECIAL REMARKS:	Minimum ambient temperature > 0°C (-15°C with frost protection kit) ⁽¹⁾ = Models designed for heating only but with the possibility of combining a remote storage tank.
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
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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 (CH₄ = 80% / H₂ = 20%)

PRODUCT TYPE:	Central heating combi condensing boiler
MODELS:	START 15 IS ⁽¹⁾
STANDARD(S):	EN 15502-1:2021, EN 15502-1:2012+A1:2015 and EN 15502-2-1:2012+A1:2016
SPECIAL REMARKS:	Minimum ambient temperature > 0°C (-15°C with frost protection kit) ⁽¹⁾ = Models designed for heating only but with the possibility of combining a remote storage tank.
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

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 (CH₄ = 80% / H₂ = 20%)

REVISION AND COMMENTS

DD/MM/YYYY	AMENDED BY	PRJ NO.	REPORT NO.	REASON FOR REVISION
27/07/2021	G. Baiocco	29504	200028897UDI-GCE-RCE-R1	R0: First issue
28/10/2021	M.A. Gandin	31649	200028897UDI-GCE-RCE-R2	R1: Introduction of new model START 15 IS
28/07/2022	M.A. Gandin	33875	200028897UDI-GCE-RCE-R7	R2: Introduction of product codes for models START 25 KIS and START 30 KIS with alternative fan motor.
23/01/2023	M.A. Gandin	35443	200028897UDI-GCE-RCE-R8	R3: Verification according to EN 15502-1:2021 and introduction of new gas categories
02/02/2023	M.A. Gandin	35443	200028897UDI-GCE-RCE-R8	R4: 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: RIELLO

Product Type: Central heating combi condensing boiler

Models: START 25 KIS, START 30 KIS, START 15 IS, START 25 IS

Certificate N°: ITS-2575-BED-212950401-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-R2



Certificate Issue date:

27 July 2021

Certificate Revised date:

28 October 2021



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ANNEX 1

Models:				
	START 15 IS	START 25 KIS	START 25 IS	START 30 KIS
η_{100}	96,7 %	97,0 %	97,0 %	97,3 %
η_{30}	109,6 %	109,3 %	109,3 %	109,0 %
η_4	87,1 %	87,3 %	87,3 %	87,6 %
η_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 ⁽¹⁾	Yes	No ⁽¹⁾	Yes
B ₁ Boiler	No	No	No	No
Type of boiler:	Condensing	Condensing	Condensing	Condensing
Range Rated?	No	Yes	Yes	Yes
⁽¹⁾ 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: 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)

REVISION AND COMMENTS

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27/07/2021	G. Baiocco	29504	200028897UDI-GCE-RCE-R1	R0: First issue
28/10/2021	M.A. Gandin	31649	200028897UDI-GCE-RCE-R2	R1: Introduction of new model START 15 IS