



<b>Number</b>	KIP-17603	<b>Replaces</b>	KIP-17292/E
<b>Issue date</b>	18-04-2024	<b>Contract number</b>	7230
<b>Report number</b>	150401885/4	<b>Scope</b>	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
<b>PIN</b>	0476CQ1885	<b>Module</b>	B (Type testing)

## EC TYPE-EXAMINATION CERTIFICATE (BED/R813)

Kiwa Cermet Italia, notified body for council Directive 92/42/EC, hereby declares that the central heating condensing boiler, type(s):

**ALU 115 PRO Power, ALU 150 PRO Power, ALU 150 PRO Power APP 2.0,  
ALU 225 PRO Power, ALU 250 PRO Power, ALU 300 PRO Power,  
ALU 349 PRO Power, ALU 375 PRO Power, ALU 450 PRO Power,  
ALU 525 PRO Power, ALU 600 PRO Power**

Manufacturer

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

meet the requirements regarding useful efficiencies according to **article 4 of commission regulation (EU) No. 813/2013** and as described in the **Directive 92/42/EEC on efficiency requirements**.

Reference standard:

EN 15502-1:2021+AC:2022

EN 15502-2-1:2022

This certificate is only valid in combination with the appendix to this certificate, where specific information and/or conditions are given.

**Kiwa Cermet Italia S.p.A.**  
**Società con socio unico, soggetta**  
**all'attività di direzione e coordinamento**  
**di Kiwa Italia Holding Srl**

Via Cadriano, 23  
40057 Granarolo dell'Emilia (BO)

**Unità locale**  
Via Treviso 32/34  
31020 San Vendemiano (TV)

Tel +39. 0438 411755

Fax +39.0438 22428

E-mail: [info@kiwacermet.it](mailto:info@kiwacermet.it)

[www.kiwa.it](http://www.kiwa.it)

**Organismo Notificato n. 0476**  
Notified Body nr. 0476

**Industry Division Manager**

*Maurizio Lorenzon*



PRD N° 0069PRD

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFICATE

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 115 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	112,2	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	37,3	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,6	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:

**Model(s):**  
ALU 150 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	146,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	48,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,0	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,7	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 150 PRO Power APP 2.0

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	146,7	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	49,0	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,0	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	98,1	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,9	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 225 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	220,1	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	73,0	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 250 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	244,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	81,5	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,9	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	97,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,7	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 300 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	294,0	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	97,3	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	98,0	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 349 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	342,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	113,2	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,3	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	98,1	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 375 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	368,3	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	121,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,4	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	98,2	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 450 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	442,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	145,9	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,5	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	98,3	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 525 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	517,1	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	170,3	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,7	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	98,5	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:  
RIELLO

Specifications:  
**Model(s):**  
ALU 600 PRO Power

Condensing boiler:	yes
Range rated:	no
Low-temperature boiler:	no
B1 boiler:	no
Combination heater:	no <sup>(1)</sup>

<sup>(1)</sup> The boiler can be connected to an external tank for domestic hot water production ELIMINARE QUESTA FRASE SE NON SERVE

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	591,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	194,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η <sub>4</sub>	88,8	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>1</sub>	97,3	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η <sub>100</sub>	98,6	%
At 30 % of rated heat output and low-temperature regime (**)	η <sub>30</sub>	108,1	%

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

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

(GCV) Calculated values are based on Gross calorific value (reference conditions:15 °C, 1013,25 mbar)

(NCV) Calculated values are based on Net calorific value (reference conditions:15 °C, 1013,25 mbar)

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