



Number	KIP-17292/E	Replaces	KIP-15499/E
Issue date	03-05-2023	Contract number	I 7230
Report number	150401885/3	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
PIN	0476CQ1885	Module	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 boilers, type(s):

**ALU 115 PRO Power, ALU 150 PRO Power, ALU 225 PRO Power,
ALU 250 PRO Power, ALU 300 PRO Power, ALU 349 PRO Power,
ALU 375 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, EN 15502-2-1:2012+A1:2016

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
www.kiwa.it
www.kiwacermet.it

GASTEC

President
Giampiero Belcredi



PRD N° 069B

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



Number	KIP-17292/E	Page	1 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 115 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	112,2	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	37,3	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,3	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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

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This certificate will expire if there have been any changes to the product that may have an impact on compliance with the requirements of the Directive. This certificate will expire if there have been any updates and / or changes to the Technical Standards applicable unless specifically approved by Kiwa Cermet Italia.
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Number	KIP-17292/E	Page	2 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 150 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	146,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	48,6	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,0	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,3	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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

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Number	KIP-17292/E	Page	3 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 225 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	220,1	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	73,0	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,3	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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

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Number	KIP-17292/E	Page	4 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 250 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	244,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	81,5	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,9	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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

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Number	KIP-17292/E	Page	5 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 300 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	294,0	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	97,3	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,2	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,3	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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

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Number	KIP-17292/E	Page	6 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 349 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	342,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	113,2	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,3	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,3	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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

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Number	KIP-17292/E	Page	7 of 7
Issue date	03-05-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	150401885/3	Module	B (Type testing)
PIN	0476CQ1885		

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

Brand name:

RIELLO

Specifications:

Model:

ALU 375 PRO Power

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

⁽¹⁾ The boiler can be connected to an external circuit for the domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	368,3	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	121,6	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,4	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,3	%

Efficiency's values have been measured with gas G20.

- (*) 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).

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