



Number	KIP-17225/E	Replaces	KIP-16000/E
Issue date	20-01-2023	Contract number	I 7230
Report number	2002450/4	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
PIN	0476CT2450	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):

**TAU Unit 35, TAU Unit 50, TAU Unit 70, TAU Unit 100, TAU Unit 115,
TAU Unit 140, TAU Unit 190**

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.

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



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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 35

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	33,8	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	11,3	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	87,5	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,1	%

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

Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,2	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	107,8	%

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

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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 50

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	48,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	16,4	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	87,4	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	98,8	%
Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)			
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,1	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	109,7	%

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

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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 70

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	68,0	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	22,7	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	87,6	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,7	%
Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)			
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,3	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	108,5	%

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

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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 100

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	97,5	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	32,5	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	87,7	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,8	%
Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)			
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,5	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	108,6	%

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

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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 115

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	112	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	34,5	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	87,7	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,8	%
Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)			
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,4	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	108,7	%

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

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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 140

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	136,8	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	45,7	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	98,0	%
Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)			
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,7	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	108,8	%

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

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

Brand name:
RIELLO

Specifications:
Model(s):
TAU Unit 190

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 domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	185,8	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	62,0	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	97,9	%
Calculated values are based on gross calorific value (reference conditions:15 °C, 1013,25 mbar)			
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,8	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	108,8	%

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

- (*) 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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