

Number	KIP-07658	Replaces	KIP-17076/G
Issue date	02-08-2024	Contract number	I 7230
Due date	01-08-2034	Scope	(EU) 2016/426 (9 March 2016)
Report number	2005430/3	Module	B (Type testing)
PIN	0476DM5430		

EU TYPE-EXAMINATION CERTIFICATE (GAR)

Kiwa Cermet Italia declares that the central heating condensing boiler, type(s):

**POWER EVO-X 50 DEP,
POWER EVO-X 50,
POWER EVO-X 65,
POWER EVO-X 80**

Manufacturer

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

Meet the essential requirements as described in the
Regulation (EU) 2016/426 relating to appliances burning gaseous fuels.

Reference standard: EN 15502-1:2021+A1:2023, EN15502-2-1:2022+A1:2023

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

CERTIFICATE

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

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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

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APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (GAR)

Brand name: **BERETTA**

Types:

Model name	Appliance types	Heat Input (Hi)	
		CH Max – Min (kW)	DHW Max – Min (kW)
POWER EVO-X 50 DEP	B _{23P} , B _{53P} , C ₁₃ , C ₃₃ , C ₄₃ , C ₅₃ , C ₆₃ , C ₈₃ , C ₉₃ ,	34.9 – 5.2	34.9 – 5.2 ⁽¹⁾
POWER EVO-X 50	C _{13X} , C _{33X} , C _{43X} , C _{53X} , C _{63X} , C _{83X} , C _{93X}	45.0 – 5.2	45.0 – 5.2 ⁽¹⁾
POWER EVO-X 65		55.0 – 8.2	55.0 – 8.2 ⁽¹⁾
POWER EVO-X 80		70.0 – 8.2	70.0 – 8.2 ⁽¹⁾

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

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 groups:

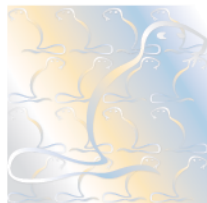
Group	mbar	Group	mbar	Group	mbar
E	20	H	20;25	P	30;37;50
EY20	20	HY20	20;25	Esi	20/25

The above gas groups can be combined according to the standard EN437:2021 and national situation of countries.

Note: Suffix “Y20” means that the appliances are suitable for the use of natural gas of the indicated gas group, mixed with hydrogen resulting in a gas mixture containing up to 20% of Hydrogen gas (H₂) when the appliance is set for the reference gas G₂₀.

Remarks: --

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Number	KIP-07659	Replaces	KIP-17076/E
Issue date	02-08-2024	Contract number	I 7230
Report number	2005430/3	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
PIN	0476DM5430	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):

**POWER EVO-X 50 DEP,
POWER EVO-X 50,
POWER EVO-X 65,
POWER EVO-X 80**

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+A1:2023, EN15502-2-1:2022+A1:2023

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CERTIFICATE

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Report number	2005430/3	Module	B (Type testing)
PIN	0476DM5430		

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

Brand name:
BERETTA

Specifications:
Model(s):
POWER EVO-X 50 DEP

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 tank for domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	34,0	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	11,3	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η ₄	87,7	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,4	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,4 %	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	108,2 %	%

- (*) 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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Report number	2005430/3	Module	B (Type testing)
PIN	0476DM5430		

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

Brand name:
BERETTA

Specifications:
Model:
POWER EVO-X 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 tank for domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	43,9	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	14,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η ₄	87,8	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	97,2	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,5 %	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	107,9 %	%

- (*) 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:
BERETTA

Specifications:
Model:
POWER EVO-X 65

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 tank for domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	53,6	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	17,8	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	87,8	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	96,9	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,46 %	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	107,61 %	%

- (*) 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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PIN	0476DM5430		

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

Brand name:
BERETTA

Specifications:
Model:
POWER EVO-X 80

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 tank for domestic hot water production

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	68,2	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	22,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η ₄	87,8	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	96,8	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,48 %	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	107,51 %	%

- (*) 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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