

Number	KIP-17570	Replaces	KIP-17402/G
Issue date	07-03-2024	Contract number	I 7230
Due date	06-03-2034	Scope	(EU) 2016/426 (9 March 2016)
Report number	2011765/3	Module	B (Type testing)
PIN	0476DN1765		

EU TYPE-EXAMINATION CERTIFICATE (GAR)

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

RESIDENCE HM 25 KIS, RESIDENCE HM 20 IS, FAMILY HM 25 KIS, FAMILY HM 25 IS, FAMILY HM CONNECT 25 KIS, RESIDENCE HM 30 KIS, RESIDENCE HM 30 IS, FAMILY HM 30 KIS, RESIDENCE HM 35 KIS, FAMILY HM 35 KIS, FAMILY HM 35 IS, FAMILY HM CONNECT 35 KIS, FAMILY HM CONNECT 35 IS

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, 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

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

Number	KIP-17570	Page	1 of 2
Issue date	07-03-2024	Scope	(EU) 2016/426 (9 March 2016)
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APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (GAR)

Brand name:

RIELLO

Types:

Model name	Nominal Heat Input - Qmax (Hi)	
	CH	DHW
	(kW)	(kW)
RESIDENCE HM 20 IS	20,0	20,0
RESIDENCE HM 25 KIS	20,0	25,0
FAMILY HM 25 KIS, FAMILY HM CONNECT 25 KIS	20,0	25,0
FAMILY HM 25 IS	20,0	25,0
RESIDENCE HM 30 KIS	25,0	30,0
FAMILY HM 30 KIS	25,0	30,0
RESIDENCE HM 30 IS	30,0	34,9
RESIDENCE HM 35 KIS	30,0	34,9
FAMILY HM 35 KIS, FAMILY HM CONNECT 35 KIS	32,0	34,9
FAMILY HM 35 IS, FAMILY HM CONNECT 35 IS	32,0	34,9

Appliance types:

B23P, B53P, C13, C33, C43, C53, C63, C83, C93

C13x, C33x, C43x, C53x, C63x, C83x, C93x

C103^{*}

^{*} : Installation valid only for gas groups H and E

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

Number	KIP-17570	Page	2 of 2
Issue date	07-03-2024	Scope	(EU) 2016/426 (9 March 2016)
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APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (GAR)

Gas groups:

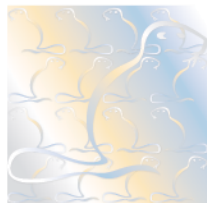
Models		RESIDENCE HM 25 KIS, RESIDENCE HM 20 IS, FAMILY HM 25 KIS, FAMILY HM 25 IS, FAMILY HM CONNECT 25 KIS, RESIDENCE HM 30 KIS, RESIDENCE HM 30 IS, FAMILY HM 30 KIS, RESIDENCE HM 35 KIS, FAMILY HM 35 KIS, FAMILY HM 35 IS, FAMILY HM CONNECT 35 KIS, FAMILY HM CONNECT 35 IS
Gas groups	mbar	
EY20	20	X
HY20	20;25	X
E	20	X
H	20;25	X
LL	20	X
Lw	20	X
Ls	13	X
M	20	X
P	30; 37; 50	X

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-17571	Replaces	KIP-17402/E
Issue date	07-03-2024	Contract number	I 7230
Report number	2011765/3	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
PIN	0476DN1765	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):

RESIDENCE HM 25 KIS, RESIDENCE HM 20 IS, FAMILY HM 25 KIS, FAMILY HM 25 IS, FAMILY HM CONNECT 25 KIS, RESIDENCE HM 30 KIS, RESIDENCE HM 30 IS, FAMILY HM 30 KIS, RESIDENCE HM 35 KIS, FAMILY HM 35 KIS, FAMILY HM 35 IS, FAMILY HM CONNECT 35 KIS, FAMILY HM CONNECT 35 IS

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, EN 15502-2-1:2012+A1:2016

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Industry Division Manager
Maurizio Lorenzon



PRD N° 0069PRD

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CERTIFICATE

Number	KIP-17571	Page	1 of 7
Issue date	07-03-2024	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	2011765/3	Module	B (Type testing)
PIN	0476DN1765		

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

Brand name:

RIELLO

Specifications:

Model(s):

RESIDENCE HM 20 IS, FAMILY HM 25 IS

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	19,5	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	6,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	98,8	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,7	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	109,7	%

(*) 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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Number	KIP-17571	Page	2 of 7
Issue date	07-03-2024	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	2011765/3	Module	B (Type testing)
PIN	0476DN1765		

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

Brand name:

RIELLO

Specifications:

Model(s):

RESIDENCE HM 25 KIS, FAMILY HM 25 KIS, FAMILY HM CONNECT 25 KIS

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	19,5	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	6,6	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	98,8	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,7	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	109,7	%

(*) 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)

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Number	KIP-17571	Page	3 of 7
Issue date	07-03-2024	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	2011765/3	Module	B (Type testing)
PIN	0476DN1765		

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

Brand name:

RIELLO

Specifications:

Model(s):

RESIDENCE HM 30 KIS, FAMILY HM 30 KIS

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	24,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	8,2	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	98,7	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,7	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	109,6	%

(*) 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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Number	KIP-17571	Page	4 of 7
Issue date	07-03-2024	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	2011765/3	Module	B (Type testing)
PIN	0476DN1765		

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

Brand name:

RIELLO

Specifications:

Model(s):

RESIDENCE HM 30 IS

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	29,3	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	9,9	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	98,8	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,6	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	109,7	%

(*) 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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Number	KIP-17571	Page	5 of 7
Issue date	07-03-2024	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	2011765/3	Module	B (Type testing)
PIN	0476DN1765		

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

Brand name:

RIELLO

Specifications:

Model(s):

RESIDENCE HM 35 KIS

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	29,3	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	9,9	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η ₄	87,9	%
At 30 % of rated heat output and low-temperature regime (**)	η ₁	98,8	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η ₁₀₀	97,6	%
At 30 % of rated heat output and low-temperature regime (**)	η ₃₀	109,7	%

(*) 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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Number	KIP-17571	Page	6 of 7
Issue date	07-03-2024	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	2011765/3	Module	B (Type testing)
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APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (BED/R813)

Brand name:

RIELLO

Specifications:

Model(s):

FAMILY HM 35 KIS, FAMILY HM CONNECT 35 KIS

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

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	31,2	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	10,5	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	98,8	%
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	109,7	%

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

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

Brand name:

RIELLO

Specifications:

Model(s):

FAMILY HM 35 IS, FAMILY HM CONNECT 35 IS

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	31,2	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	10,5	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	98,8	%
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	109,7	%

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