



|                      |             |                        |                              |
|----------------------|-------------|------------------------|------------------------------|
| <b>Number</b>        | KIP-17402/G | <b>Replaces</b>        | --                           |
| <b>Issue date</b>    | 30-08-2023  | <b>Contract number</b> | 7230                         |
| <b>Due date</b>      | 29-08-2033  | <b>Scope</b>           | (EU) 2016/426 (9 March 2016) |
| <b>Report number</b> | 2011765/2   | <b>Module</b>          | B (Type testing)             |
| <b>PIN</b>           | 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, 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.

# 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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[www.kiwacermet.it](http://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



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**Issue date** 30-08-2023 **Scope** (EU) 2016/426 (9 March 2016)  
**Due date** 29-08-2033 **Module** B (Type testing)  
**Report number** 2011765/2  
**PIN** 0476DN1765

## 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,<br>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,<br>FAMILY HM CONNECT 35 KIS | 32,0                           | 34,9 |
| FAMILY HM 35 IS,<br>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  
 C110B\*

\* : Installation valid only for gas groups H and E

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**Report number** 2011765/2  
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## APPENDIX TO EU TYPE-EXAMINATION CERTIFICATE (GAR)

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    | EY20  | 20    | Ls    | 13         |
| H     | 20;25 | HY20  | 20;25 | M     | 20         |
| LL    | 20    | Lw    | 20    | P     | 30; 37; 50 |

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

Remarks:

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 (H<sub>2</sub>) when the appliance is set for the reference gas G20.

All the boilers can be installed in a partially protected place (ambient temperature min / max -15°C / +60°C).

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| <b>Issue date</b>    | 30-08-2023  | <b>Contract number</b> | I 7230   |
| <b>Report number</b> | 2011765/2   | <b>Scope</b>           | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| <b>PIN</b>           | 0476DN1765  | <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 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, 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.

# CERTIFICATE

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| <b>Report number</b> | 2011765/2   | <b>Module</b> | B (Type testing)  |
| <b>PIN</b>           | 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 <sup>(1)</sup> |

<sup>(1)</sup> 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 <sub>4</sub>   | 19,5  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 6,5   | 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>   | 98,0  | %    |
| 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>  | 108,8 | %    |

(\*) 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):

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 <sub>4</sub>   | 19,5  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 6,5   | 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>   | 98,0  | %    |
| 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>  | 108,8 | %    |

(\*) 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):

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 <sub>4</sub>   | 24,4  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 8,2   | 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>   | 98,0  | %    |
| 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>  | 108,8 | %    |

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

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| <b>Report number</b> | 2011765/2   | <b>Module</b> | B (Type testing)  |
| <b>PIN</b>           | 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 <sup>(1)</sup> |

<sup>(1)</sup> 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 <sub>4</sub>   | 29,3  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 9,8   | 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>   | 97,9  | %    |
| 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>  | 108,7 | %    |

(\*) 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).

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(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):  
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 <sub>4</sub>   | 29,3  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 9,8   | 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>   | 97,9  | %    |
| 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>  | 108,7 | %    |

(\*) 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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| <b>PIN</b>           | 0476DN1765  |               |   |

## 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 <sub>4</sub>   | 31,2  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 10,4  | kW   |
| Useful efficiencies (GCV)                                    |                  |       |      |
| At rated heat output and high-temperature regime (*)         | η <sub>4</sub>   | 87,8  | %    |
| At 30 % of rated heat output and low-temperature regime (**) | η <sub>1</sub>   | 97,6  | %    |
| Useful efficiencies (NCV)                                    |                  |       |      |
| At rated heat output and high-temperature regime (*)         | η <sub>100</sub> | 97,5  | %    |
| At 30 % of rated heat output and low-temperature regime (**) | η <sub>30</sub>  | 108,4 | %    |

(\*) 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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| <b>Report number</b> | 2011765/2   | <b>Module</b> | B (Type testing)  |
| <b>PIN</b>           | 0476DN1765  |               |   |

## 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 <sup>(1)</sup> |

<sup>(1)</sup> 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 <sub>4</sub>   | 31,2  | kW   |
| At 30 % of rated heat output and low-temperature regime (**) | P <sub>1</sub>   | 10,4  | kW   |
| Useful efficiencies (GCV)                                    |                  |       |      |
| At rated heat output and high-temperature regime (*)         | η <sub>4</sub>   | 87,8  | %    |
| At 30 % of rated heat output and low-temperature regime (**) | η <sub>1</sub>   | 97,6  | %    |
| Useful efficiencies (NCV)                                    |                  |       |      |
| At rated heat output and high-temperature regime (*)         | η <sub>100</sub> | 97,5  | %    |
| At 30 % of rated heat output and low-temperature regime (**) | η <sub>30</sub>  | 108,4 | %    |

(\*) 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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