



| | | | |
|----------------------|------------|------------------------|---|
| Number | KIP-17464 | Replaces | KIP-17308/E |
| Issue date | 20-11-2023 | Contract number | I 0220 |
| Report number | 2001134/10 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| PIN | 0476CS1134 | 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 boiler, type(s):

City Class 25 K, City Class 25 KR, City Class 25 KP, City Class 30 K, City Class 30 KR, City Class 30 KP, City Class 35 K, City Class 35 KR, City Class 35 KP, City Box 25 K, City Box 35 K, City Open 25 K, City Open 35 K, City TOP 25 K, City TOP 35 K, CITY TOP H 35 K, CITY TOP H 25 K, TOP HYBRID 25K, TOP HYBRID 25K BOX, TOP HYBRID PLUS 25K, TOP HYBRID PLUS 25K BOX, TOP HYBRID 35K, TOP HYBRID 35K BOX, TOP HYBRID PLUS 35K, TOP HYBRID PLUS 35K BOX, City Class H 15 K, City Class H 15 KR, City Class H 15 KP, City Class H 25 K, City Class H 25 KR, City Class H 25 KP, City Class H 30 K, City Class H 30 KR, City Class H 30 KP, City Class H 35 K, City Class H 35 KR, City Class H 35 KP, City Box H 25 K, City Box H 30 K, City Box H 35 K, City Open H 25 K, City Open H 30 K, City Open H 35 K

Manufacturer

ITALTHERM S.p.A.
Via Salvo d'Acquisto,
29010 Pontenure (PC), 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+AC:2022 and EN 15502-2-1:2022

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

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

President
Giampiero Belcredi



PRD N° 0069PRD

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

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 1 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:

Models:

City Class 25 K, City Class 25 KP, City Box 25 K, City Open 25 K, City Class 25 KR

| | |
|-------------------------|--|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class 25 K, City Class 25 KP, City Box 25 K, City Open 25 K) ⁽¹⁾ no (mod. City Class 25 KR) |

⁽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 | 19,4 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 6,4 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 86,5 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 95,8 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 96,1 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 106,4 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 2 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:
Models:
City Class 30 K, City Class 30 KP, City Class 30 KR

| | |
|-------------------------|---|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class 30 K, City Class 30 KP) ⁽¹⁾ no (mod. City Class 30 KR) |

⁽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 | 23,3 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 7,7 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η_4 | 86,5 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η_1 | 95,5 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η_{100} | 96,0 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η_{30} | 106,0 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it
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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 3 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:

Models:

City Class 35 K, City Class 35 KP, City Class 35 KR, City Box 35 K, City Open 35 K

| | |
|-------------------------|---|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class 35 K, City Class 35 KP, City Box 35 K, City Open 35 K) (¹⁾ no (mod. City Class 35 KR) |

(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 | 27,4 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 9,1 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 86,6 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 96,1 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 96,2 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 106,7 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it
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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 4 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Specifications:

Models:
City TOP 25 K

Brand name:
ITALTHERM

| | |
|-------------------------|-----|
| Condensing boiler: | yes |
| Range rated: | yes |
| 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 | 24,1 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 8,0 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 86,6 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 94,8 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 96,2 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 105,3 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it
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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 5 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Specifications:

Models:

City TOP H 25 K, TOP HYBRID 25K, TOP HYBRID 25K BOX, TOP HYBRID PLUS 25K,
TOP HYBRID PLUS 25K BOX

Brand name:

ITALTHERM

| | |
|-------------------------|-----|
| Condensing boiler: | yes |
| Range rated: | yes |
| 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 | 24,2 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 8,1 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 87,3 | % |
| 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 | 97,0 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 107,6 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 6 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:

ITALTHERM

Specifications:

Models:

City TOP 35 K

| | |
|-------------------------|-----|
| Condensing boiler: | yes |
| Range rated: | yes |
| 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 | 32,2 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 10,6 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 87,5 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 95,1 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 97,1 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 105,6 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 7 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:

Models:

City TOP H 35 K, TOP HYBRID 35K, TOP HYBRID 35K BOX, TOP HYBRID PLUS 35K,
TOP HYBRID PLUS 35K BOX

| | |
|-------------------------|-----|
| Condensing boiler: | yes |
| Range rated: | yes |
| 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 | 31,9 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 10,6 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η_4 | 87,2 | % |
| 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} | 96,8 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η_{30} | 107,5 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 8 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:
Models:
City Class H 15 K, City Class H 15 KP, City Class H 15 KR

| | |
|-------------------------|---|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class H 15 K, City Class H 15 KP) ⁽¹⁾ no (mod. City Class H 15 KR) |

⁽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 | 14,4 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 4,8 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η_4 | 85,7 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η_1 | 94,9 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η_{100} | 95,2 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η_{30} | 105,4 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it
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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 9 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:

Models:

City Class H 25 K, City Class H 25 KP, City Class H 25 KR, City Box H 25 K, City Open H 25 K

| | |
|-------------------------|--|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class H 25 K, City Class H 25 KP, City Box H 25 K, City Open H 25 K) ⁽¹⁾ no (mod. City Class H 25 KR) |

⁽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 | 20,3 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 6,7 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 86,4 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 95,6 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 95,9 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 106,2 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 10 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:

Models:

City Class H 30 K, City Class H 30 KP, City Class H 30 KR, City Box H 30 K, City Open H 30 K

| | |
|-------------------------|--|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class H 30 K, City Class H 30 KP, City Box H 30 K, City Open H 30 K) ⁽¹⁾ no (mod. City Class H 30 KR) |

⁽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 | 24,3 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 8,0 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 86,7 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 95,4 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 96,3 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 105,9 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it
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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

| | | | |
|----------------------|------------|---------------|---|
| Number | KIP-17464 | Page | 11 of 11 |
| Issue date | 20-11-2023 | Scope | Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992) |
| Report number | 2001134/10 | Module | B (Type testing) |
| PIN | 0476CS1134 | | |

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

Brand name:
ITALTHERM

Specifications:

Models:

City Class H 35 K, City Class H 35 KP, City Class H 35 KR, City Box H 35 K, City Open H 35 K

| | |
|-------------------------|---|
| Condensing boiler: | yes |
| Range rated: | yes |
| Low-temperature boiler: | no |
| B1 boiler: | no |
| Combination heater: | yes (mod. City Class H 35 K, City Class H 35 KP, City Box H 35 K, City Open H 35 K) (¹⁾ no (mod. City Class H 35 KR) |

(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 | 26,3 | kW |
| At 30 % of rated heat output and low-temperature regime (**) | P ₁ | 9,0 | kW |
| Useful efficiencies (GCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₄ | 85,7 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₁ | 96,3 | % |
| Useful efficiencies (NCV) | | | |
| At rated heat output and high-temperature regime (*) | η ₁₀₀ | 95,2 | % |
| At 30 % of rated heat output and low-temperature regime (**) | η ₃₀ | 106,9 | % |

(*) 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)

The validity of this certificate can be verified on request at the following e-mail address: info@kiwacermet.it

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. Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.