



<b>Number</b>	KIP-07950	<b>Replaces</b>	KIP-07633
<b>Issue date</b>	03-07-2025	<b>Contract number</b>	I0220
<b>Report number</b>	2002699/2	<b>Scope</b>	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
<b>PIN</b>	0476CT2699	<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 boilers, type(s):

**City Class 24 C Nox**  
**City Class 28 C Nox**

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+A1:2023, EN15502-2-2:2024

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](mailto:info@kiwacermet.it)  
[www.kiwa.it](http://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

CERTIFICATE

<b>Number</b>	KIP-07950	<b>Page</b>	1 of 2
<b>Issue date</b>	03-07-2025	<b>Scope</b>	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
<b>Report number</b>	2002699/2	<b>Module</b>	B (Type testing)
<b>PIN</b>	0476CT2699		

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

Brand name: **ITALTHERM**

Specifications:  
Model(s):  
City Class 24 C Nox

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

	Symbol	Value for gas group H, E, P	Value for gas group E+	Unit
Useful heat output				
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	23,9	23,0	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	7,2	6,9	kW

Useful efficiencies (GCV)				
At rated heat output and high-temperature regime (*)	$\eta_4$	81,1	81,1	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	81,6	81,5	%

Useful efficiencies (NCV)				
At rated heat output and high-temperature regime (*)	$\eta_{100}$	90,1	90,0	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_{30}$	90,6	90,5	%

- (\*) 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)

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**Number** KIP-07950 **Page** 2 of 2  
**Issue date** 03-07-2025 **Scope** Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)  
**Report number** 2002699/2 **Module** B (Type testing)  
**PIN** 0476CT2699

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

Brand name: **ITALTHERM**

Specifications:

**Model(s):**

City Class 28 C Nox

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

	Symbol	Value for gas group H, E, P	Value for gas group E+	Unit
Useful heat output				
At rated heat output and high-temperature regime (*)	P <sub>4</sub>	26,6	25,7	kW
At 30 % of rated heat output and low-temperature regime (**)	P <sub>1</sub>	8,1	7,8	kW

Useful efficiencies (GCV)				
At rated heat output and high-temperature regime (*)	$\eta_4$	81,2	81,1	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_1$	82,3	82,5	%

Useful efficiencies (NCV)				
At rated heat output and high-temperature regime (*)	$\eta_{100}$	90,2	90,1	%
At 30 % of rated heat output and low-temperature regime (**)	$\eta_{30}$	91,4	91,6	%

- (\*) 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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