



Number	KIP-17364/E	Replaces	KIP-16865/E
Issue date	21-06-2023	Contract number	I 7000
Report number	140700134/14	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
PIN	0476CQ0134	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):

**Ecomax 18 SCT, Ecomax 24 MT, Ecomax 24 AI 8, ICON 24 MT,
Ecomax 25 SCT, Ecomax 28 MT, Ecomax 28 AI 20, ICON 28 MT,
Ecomax 34 SCT, Ecomax 34 MT, Ecomax 34 AI 20, ICON 34 MT,
Ecomax 50 SCW, Ecomax 75 SCW, Ecomax 100 SCW, Ecomax 120 SCW,
NEOCON 50 SC, NEOCON 75 SC, NEOCON 100 SC, NEOCON 120 SC**

Manufacturer

**TIFELL Electro Solar Sintens s.a.
Spain, 01010 Vitoria**

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.

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

www.kiwacermet.it

GASTEC

President

Giampiero Belcredi

Digitally signed by: BELCREDI GIAMPIERO
Date: 03/07/2023 12:43:29



PRD N° 069B

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



Number	KIP-17364/E	Page	1 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models	Ecomax 18 SCT	
Condensing boiler?	yes	
Range rated?	yes	
Low-temperature boiler?	no	
B1 boiler?	no	
Combination heater?	no	
Useful heat output		
At rated heat output and high-temperature regime (*)	P ₄	17,4 kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	n.t. kW
Useful efficiencies (GCV)		
At rated heat output and high-temperature regime (*)	η_4	86,9 %
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}	96,5 %
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	107,5 %

Number	KIP-17364/E	Page	2 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models		Ecomax 24 MT, Ecomax 24 AI 8, ICON 24 MT	
Condensing boiler?		yes	
Range rated?		yes	
Low-temperature boiler?		no	
B1 boiler?		no	
Combination heater?		Yes	
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	22,9	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	7,6	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	97,0	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,2	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	107,7	%

Number	KIP-17364/E	Page	3 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models	Ecomax 25 SCT	
Condensing boiler?	yes	
Range rated?	yes	
Low-temperature boiler?	no	
B1 boiler?	no	
Combination heater?	No	
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	n.t.	kW
Useful efficiencies (GCV)		
At rated heat output and high-temperature regime (*) η_4	87,6	%
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}	97,3	%
At 30 % of rated heat output and low-temperature regime (**) η_{30}	107,5	%

Number	KIP-17364/E	Page	4 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models	Ecomax 28 MT Ecomax 28 AI 20 ICON 28 MT		
Condensing boiler?	yes		
Range rated?	yes		
Low-temperature boiler?	no		
B1 boiler?	no		
Combination heater?	Yes		
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	27,3	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	87,2	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	97,0	%
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}	107,7	%

Number	KIP-17364/E	Page	5 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models	Ecomax 34 MT, Ecomax 34 AI 20, ICON 34 MT	Ecomax 34 SCT	
Condensing boiler?	yes		
Range rated?	yes		
Low-temperature boiler?	no		
B1 boiler?	no		
Combination heater?	Yes	No	
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	33,3	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	n.t.	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	88,3	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	97,8	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	98,0	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	108,6	%

Number	KIP-17364/E	Page	6 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models		Ecomax 50 SCW NEOCON 50 SC	
Condensing boiler?		yes	
Range rated?		yes	
Low-temperature boiler?		no	
B1 boiler?		no	
Combination heater?		no	
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	49,2	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	n.t.	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	98,0	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,9	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	108,8	%

Number	KIP-17364/E	Page	7 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models		Ecomax 75 SCW, NEOCON 75 SC	
Condensing boiler?		yes	
Range rated?		yes	
Low-temperature boiler?		no	
B1 boiler?		no	
Combination heater?		no	
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	72,8	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	n.t.	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	87,6	%
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}	97,3	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	107,5	%

Number	KIP-17364/E	Page	8 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models		Ecomax 100 SCW, NEOCON 100 SC	
Condensing boiler?		yes	
Range rated?		yes	
Low-temperature boiler?		no	
B1 boiler?		no	
Combination heater?		no	
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	98,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	n.t.	kW
Useful efficiencies (GCV)			
At rated heat output and high-temperature regime (*)	η_4	88,1	%
At 30 % of rated heat output and low-temperature regime (**)	η_1	98,0	%
Useful efficiencies (NCV)			
At rated heat output and high-temperature regime (*)	η_{100}	97,9	%
At 30 % of rated heat output and low-temperature regime (**)	η_{30}	108,8	%

Number	KIP-17364/E	Page	9 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Brand name: **TIFELL**

Specifications:

Models		Ecomax 120 SCW, NEOCON 120 SC	
Condensing boiler?		yes	
Range rated?		yes	
Low-temperature boiler?		no	
B1 boiler?		no	
Combination heater?		no	
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	113,9	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	38,3	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	97,1	%
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}	107,8	%

Number	KIP-17364/E	Page	10 of 10
Issue date	21-06-2023	Scope	Art.4 of No.813/2013 (2-8-2013) and 92/42/EEC (21-05-1992)
Report number	140700134/14	Module	B (Type testing)
PIN	0476CQ0134		

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

Note:

- No (1) The boiler can be connected to an external tank for the domestic hot water production.
- (*) 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.