

Number	97334/01	Replaces	-
Issued	28-11-2017	Scope	2009/142/EC (30-11-2009)
Report number	170201428	Contract number	E 8090
PIN	0063CS3428		

EC TYPE EXAMINATION CERTIFICATE (GAD)

Kiwa hereby declares that the **Condensing Boilers**,

Brand **HSD**

Types **Thema Condens 48 SB - A (H-IT)**
Thema Condens 65 SB - A (H-IT)

supplied by **Vaillant Group Italia S.P.A unipersonale**
Milano, Italia

meet the essential requirements as described in the
Directive 2009/142/EC relating to appliances burning gaseous fuels.

Country of destination, appliance categories, installation types and available types are mentioned in the appendix to this certificate.


Certificate

Kiwa Nederland B.V.
Wilmersdorf 50
P.O. Box 137
7300 AC APELDOORN
The Netherlands

www.1kiwa.com

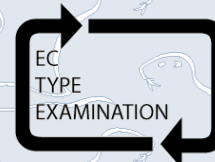
GASTEC




Luc Leroy
Kiwa

kiwa
Approved

EC Directive



2009/142/EC

GASTEC

CE
0063

0063
Page 1 of 1

CERTIFICATE 97334/01

Appendix no.: 1
Dated: 28-11-2017
Examination report(s): 170201428

List of available types,

Type name	Brand name	Appliance type	Min. Heat input (kW - Hi)	Max.Heat input (kW - Hi)
Thema Condens 65 SB - A (H-IT)	HSD	C13, C33, C43, C53, C63, C83, C93, B23, B23(P), B33, B53, B53(P)	11,3	60
Thema Condens 48 SB - A (H-IT)	HSD	C13, C33, C43, C53, C63, C83, C93, B23, B23(P), B33, B53, B53(P)	8,1	45,2

Appliance category and Countries of destination

Type name	Appliance category		Countries
Thema Condens 65 SB - A (H-IT)	II2H3P	G20-20mbar G31-37mbar	IT
Thema Condens 48 SB - A (H-IT)	II2H3P	G20-20mbar G31-37mbar	IT

Directives

Gas Appliance Directive (2009/142/EC)

Standard

EN 15502-1:2012 + A1:2015, EN 15502-2-1:2012+A1:2016

Remark:

Flue type C43(x) (common flue system with a maximum of 5 appliances) according the applicable installation instructions and mounting instructions mentioned in the flue book manuals for related appliances and countries.

Number	97340/01	Replaces	--
Issued	28-11-2017	Scope	No. 813/2013 (2-8-2013) and/or 92/42/EEC (21-05-1992)
Report number	170201428		
PIN	0063CS3428	Contract number	E 8090

EC TYPE EXAMINATION CERTIFICATE (BED/R813)

Kiwa, notified body for council Directive 92/42/EC, hereby declares that the **Central Heating Boilers:**

Brand **HSD**

Types **Thema Condens 65 SB - A (H-IT)
Thema Condens 48 SB - A (H-IT)**

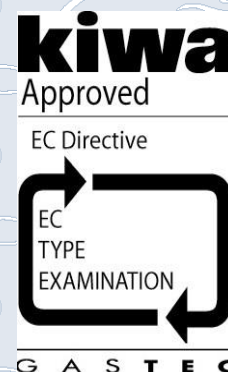
supplied by **Vaillant Group Italia S.P.A unipersonale
Milano, Italia**

meet the requirements regarding useful efficiencies according to **article 4 of commission regulation (EU) No. 813/2013** and/or as described in the **Directive 92/42/EEC on efficiency requirements.**

This is based upon the measured values as given in the table on the appendix.



Luc Leroy
Kiwa



Certificate

Annex to Certificate: 97340/01

Appendix no.: 1

Dated: 28-11-2017

Examination report(s):

170201428

Brand name

HSD

Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications:

Model(s):

Thema Condens 48 SB - A (H-IT)

Condensing boiler:	yes
Range rated:	yes
Low-temperature (**) boiler:	yes
B1 boiler:	no
Combination heater:	no
Gas type :	G20

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	44,1	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	14,8	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,4	
At 30 % of rated heat output and low-temperature regime (**)	η ₁	98,3	

(*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)

Annex to Certificate: 97340/01

Appendix no.: 1

Dated: 28-11-2017

Examination report(s):

170201428

Brand name

HSD

Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications:

Model(s):

Thema Condens 48 SB - A (H-IT)

Condensing boiler:	yes
Range rated:	yes
Low-temperature (**) boiler:	yes
B1 boiler:	no
Combination heater:	no
Gas type :	G31

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	44,0	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	14,3	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	89,8	
At 30 % of rated heat output and low-temperature regime (**)	η ₁	98,5	

(*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)

Annex to Certificate: 97340/01

Appendix no.: 1

Dated: 28-11-2017

Examination report(s):

170201428

Brand name

HSD

Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications:

Model(s):

Thema Condens 65 SB - A (H-IT)

Condensing boiler:	yes
Range rated:	yes
Low-temperature (**) boiler:	yes
B1 boiler:	no
Combination heater:	no
Gas type :	G20

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	58,7	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	19,7	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	88,4	
At 30 % of rated heat output and low-temperature regime (**)	η ₁	98,5	

(*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)

Annex to Certificate: 97340/01

Appendix no.: 1

Dated: 28-11-2017

Examination report(s):

170201428

Brand name

HSD

Scope

Directive 92/42/EEC

Article 4 of commission regulation (EU) No. 813/2013

Specifications:

Model(s):

Thema Condens 65 SB - A (H-IT)

Condensing boiler: yes
Range rated: yes
Low-temperature (**) boiler: yes
B1 boiler: no
Combination heater: no
Gas type : G31

	Symbol	Value	Unit
Useful heat output			
At rated heat output and high-temperature regime (*)	P ₄	58,4	kW
At 30 % of rated heat output and low-temperature regime (**)	P ₁	19,2	kW
Useful efficiencies			
At rated heat output and high-temperature regime (*)	η ₄	89,8	
At 30 % of rated heat output and low-temperature regime (**)	η ₁	98,1	

(*) 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).

Calculated values are based on gross calorific value (reference conditions: 15 °C, 1013,25 mbar)