

Number	97343/01	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**, types:

VC 656/5 - 5 (H-INT I) ecoTEC plus	VC 486/5 - 5 (H-INT I) ecoTEC plus
VU 656/5 - 5 (H-CZ) ecoTEC plus	VU 486/5 - 5 (H-CZ) ecoTEC plus
VU 656/5 - 5 (H-FR) ecoTEC plus	VU 486/5 - 5 (H-FR) ecoTEC plus
VU 606/5 - 5 (H-GB) ecoTEC plus	VU 446/5 - 5 (H-GB) ecoTEC plus
VM 656/5 - 5 (H-IT/ES) ecoTEC plus	VM 486/5 - 5 (H-IT/ES) ecoTEC plus
VU 656/5 - 5 (H-INT II) ecoTEC plus	VU 486/5 - 5 (H-INT II) ecoTEC plus
VU 656/5 - 5 (H-INT IV) ecoTEC plus	VU 486/5 - 5 (H-INT IV) ecoTEC plus
VU 656/5 - 5 (H-INT III) ecoTEC plus	VU 486/5 - 5 (H-INT III) ecoTEC plus
VU 656/5 - 5 (H-TR) ecoTEC plus	VU 486/5 - 5 (H-TR) ecoTEC plus

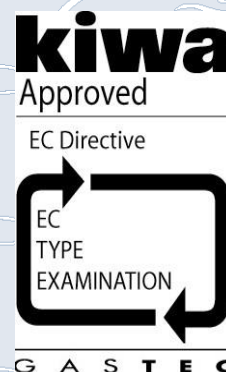
manufactured by **Vaillant GmbH**
Remscheid, Germany

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



Annex to Certificate: 97343/01

Appendix no.: 1

Dated: 28-11-2017

Examination report(s):

170201428

Brand name

Vaillant

Scope

Directive 92/42/EEC

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

Specifications:

Model(s):

VC 486/5 - 5 (H-INT I) ecoTEC plus, VU 486/5 - 5 (H-CZ) ecoTEC plus

VU 486/5 - 5 (H-FR) ecoTEC plus, VU 446/5 - 5 (H-GB) ecoTEC plus

VM 486/5 - 5 (H-IT/ES) ecoTEC plus, VU 486/5 - 5 (H-INT II) ecoTEC plus

VU 486/5 - 5 (H-INT IV) ecoTEC plus, VU 486/5 - 5 (H-INT III) ecoTEC plus

VU 486/5 - 5 (H-TR) ecoTEC plus

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: 97343/01

Appendix no.: 1

Dated: 28-11-2017

Examination report(s):

170201428

Brand name

Vaillant

Scope

Directive 92/42/EEC

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

Specifications:

Model(s):

VC 486/5 - 5 (H-INT I) ecoTEC plus, VU 486/5 - 5 (H-CZ) ecoTEC plus

VU 486/5 - 5 (H-FR) ecoTEC plus, VU 446/5 - 5 (H-GB) ecoTEC plus

VM 486/5 - 5 (H-IT/ES) ecoTEC plus, VU 486/5 - 5 (H-INT II) ecoTEC plus

VU 486/5 - 5 (H-INT IV) ecoTEC plus, VU 486/5 - 5 (H-INT III) ecoTEC plus

VU 486/5 - 5 (H-TR) ecoTEC plus

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)

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Directive 92/42/EEC

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

Specifications:

Model(s):

VC 656/5 - 5 (H-INT I) ecoTEC plus, VU 656/5 - 5 (H-CZ) ecoTEC plus

VU 656/5 - 5 (H-FR) ecoTEC plus, VU 606/5 - 5 (H-GB) ecoTEC plus

VM 656/5 - 5 (H-IT/ES) ecoTEC plus, VU 656/5 - 5 (H-INT II) ecoTEC plus

VU 656/5 - 5 (H-INT IV) ecoTEC plus, VU 656/5 - 5 (H-INT III) ecoTEC plus

VU 656/5 - 5 (H-TR) ecoTEC plus

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)

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Directive 92/42/EEC

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Specifications:

Model(s):

VC 656/5 - 5 (H-INT I) ecoTEC plus, VU 656/5 - 5 (H-CZ) ecoTEC plus

VU 656/5 - 5 (H-FR) ecoTEC plus, VU 606/5 - 5 (H-GB) ecoTEC plus

VM 656/5 - 5 (H-IT/ES) ecoTEC plus, VU 656/5 - 5 (H-INT II) ecoTEC plus

VU 656/5 - 5 (H-INT IV) ecoTEC plus, VU 656/5 - 5 (H-INT III) ecoTEC plus

VU 656/5 - 5 (H-TR) ecoTEC plus

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)