




**Product data sheet** (in accordance with EU regulation no. 811/2013)

1	Brand name			Vaillant					
2	Models	I		VUW 246/5-3 (H-GB)					
		II		VUW 286/5-3 (H-GB)					
		III		VUW 286/5-3 (P-GB)					
		IV		-					
		V		-					
		VI		-					
				I	II	III	IV	V	VI
3	Temperature application	-	-	High/Medium/Low	High/Medium/Low	High/Medium/Low	-	-	-
4	Hot water generation: Specified load profile	-	-	XL	XL	XL	-	-	-
5	Room heating: Seasonal energy-efficiency class	-	-	A	A	A	-	-	-
6	Hot water generation: Energy-efficiency class	-	-	A	A	A	-	-	-
7	Room heating: Nominal heat output (*11)	$P_{rated}$	<i>kW</i>	23	24	24	-	-	-
8	Annual energy consumption (*8)	$Q_{HE}$	<i>kWh</i>	14.538	11.783	12.354	-	-	-
9	Annual electricity consumption (*8)	<i>AEC</i>	<i>kWh</i>	53	37	37	-	-	-
10	Annual fuel consumption (*8)	<i>AFC</i>	<i>GJ</i>	17	17	17	-	-	-
11	Room heating: Seasonal energy efficiency (*8)	$\eta_s$	%	94	94	94	-	-	-
12	Hot water generation: Energy efficiency (*8)	$\eta_{WH}$	%	85	86	87	-	-	-
13	Sound power level, indoor	$L_{WA indoor}$	<i>dB(A)</i>	49	49	49	-	-	-
14	Option to only operate during low-demand periods.	-	-	-	-	-	-	-	-
15	 All specific precautions for assembly, installation and maintenance are described in the operating and installation instructions. Read and follow the operating and installation instructions.								
16	 "smart" value "1": The information on the hot water generation energy efficiency and on the annual power or fuel consumption applies only when the intelligent control system is switched on.								
17	 All of the data that is included in the product information was determined by applying the specifications of the relevant European directives. Differences to product information listed elsewhere may result in different test conditions. Only the data that is contained in this product information is applicable and valid.								



(\*8) For average climatic conditions

(\*11) For boilers and combination boilers with a heat pump, the nominal heat output "Prated" is the same as the design load in heating mode "Pdesignh", and the nominal heat output for an auxiliary boiler "Psup" is the same as the additional heating output "sup(T)"





**Product information** (in accordance with EU regulation no. 813/2013)

1	Brand name		Vaillant
2	Models	I	VUW 246/5-3 (H-GB)
		II	VUW 286/5-3 (H-GB)
		III	VUW 286/5-3 (P-GB)
		IV	-
		V	-
		VI	-

				I	II	III	IV	V	VI
18	Floor-standing condensing boiler	-	-	✓	✓	✓	-	-	-
19	Low-temperature boiler (*2)	-	-	✓	✓	✓	-	-	-
20	B1 floor-standing boiler	-	-	-	-	-	-	-	-
21	Room boiler with combined heat and power	-	-	-	-	-	-	-	-
22	Auxiliary boiler	-	-	-	-	-	-	-	-
23	Combination boiler	-	-	✓	✓	✓	-	-	-
24	Room heating: Nominal heat output (*11)	$P_{rated}$	kW	23	24	24	-	-	-
25	Usable heat output at nominal heat output and high-temperature operation (*1)	$P_4$	kW	23,1	24,1	24,0	-	-	-
26	Usable heat output at 30% of the nominal heat output and low-temperature operation (*2)	$P_1$	kW	7,7	8,1	7,9	-	-	-
27	Room heating: Seasonal energy efficiency	$\eta_s$	%	94	94	94	-	-	-
28	Efficiency for nominal heat output and high-temperature application (*4)	$\eta_t$	%	88,6	88,6	90,2	-	-	-
29	Efficiency at 30% of the nominal heat output and low-temperature application (*5)	$\eta_r$	%	98,7	98,7	99,0	-	-	-
30	Auxiliary power consumption: Full load	$e_{l,max}$	kW	0,040	0,042	0,037	-	-	-
31	Auxiliary power consumption: Partial load	$e_{l,min}$	kW	0,016	0,016	0,015	-	-	-
32	Power consumption: Standby-mode	$P_{SB}$	kW	0,002	0,002	0,002	-	-	-
33	Heat loss: Standby	$P_{sby}$	kW	0,056	0,056	0,056	-	-	-
34	Ignition flame energy consumption	$P_{ign}$	kW	0	0	0	-	-	-
35	Nitrogen oxide emissions	$NO_x$	mg/kWh	27	27	28	-	-	-
36	Hot water generation: Specified load profile	-	-	XL	XL	XL	-	-	-
37	Hot water generation: Energy efficiency	$\eta_{WH}$	%	85	86	87	-	-	-
38	Daily electricity consumption	$Q_{elec}$	kWh	0,247	0,172	0,172	-	-	-
39	Daily fuel consumption	$Q_{fuel}$ average	kWh	22,736	22,650	22,196	-	-	-
40	Manufacturer	-	-	Vaillant	Vaillant	Vaillant	-	-	-
41	Manufacturer's address	-	-	Vaillant GmbH Berghauser Str. 40 42859 Remscheid Germany	Vaillant GmbH Berghauser Str. 40 42859 Remscheid Germany	Vaillant GmbH Berghauser Str. 40 42859 Remscheid Germany	-	-	-
42	 All specific precautions for assembly, installation and maintenance are described in the operating and installation instructions. Read and follow the operating and installation instructions.								
43	 This floor-standing boiler with natural draught must only be connected to a flue gas installation assigned to one of several dwellings in existing buildings. The flue gas installation directs combustion residues from the installation room into the open air. It draws the combustion air directly from the installation room and is equipped with an atmospheric sensing device. Due to low efficiency, you must avoid using this floor-standing boiler for any other purposes – it would lead to higher energy consumption and higher operating costs.								



44		Read and follow the operating and installation instructions regarding assembly, installation, maintenance, removal, recycling and/or disposal.							
45		All of the data that is included in the product information was determined by applying the specifications of the relevant European directives. Differences to product information listed elsewhere may result in different test conditions. Only the data that is contained in this product information is applicable and valid.							
46	Weekly power consumption with an intelligent control system	$Q_{elec, week, smart}$	<i>kWh</i>	0	0	0	-	-	-
47	Weekly power consumption without an intelligent control system	$Q_{elec, week}$	<i>kWh</i>	0	0	0	-	-	-
48	Weekly fuel consumption with an intelligent control system	$Q_{fuel, week, smart}$	<i>kWh</i>	0	0	0	-	-	-
49	Weekly fuel consumption without an intelligent control system	$Q_{fuel, week}$	<i>kWh</i>	0	0	0	-	-	-
50	Nominal heat output for auxiliary heating (*3)	$P_{sup}$	<i>kW</i>	0	0	0	-	-	-
51	Type of energy input for the auxiliary boiler	-	-	-	-	-	-	-	-

(\*1) High-temperature operation means a return temperature of 60 °C at the boiler inlet and a flow temperature of 80 °C at the boiler outlet.

(\*2) Low-temperature operation means a return temperature (at the boiler inlet) of 30 °C for the floor-standing condensing boiler, of 37 °C for a low-temperature floor-standing boiler and of 50 °C for other boilers.

(\*3) If the CDH value is not determined by a measurement, the specified value CDH = 0.9 applies for the reduction factor.

(\*4) High-temperature operation means a return temperature of 60 °C at the boiler inlet and a flow temperature of 80 °C at the boiler outlet.

(\*5) Low-temperature operation means a return temperature (at the boiler inlet) of 30 °C for the floor-standing condensing boiler, of 37 °C for a low-temperature floor-standing boiler and of 50 °C for other boilers.

(\*11) For boilers and combination boilers with a heat pump, the nominal heat output "Prated" is the same as the design load in heating mode "Pdesignh", and the nominal heat output for an auxiliary boiler "Psup" is the same as the additional heating output "sup(Tj)"



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