



Product data sheet (in accordance with EU regulation no. 811/2013, 812/2013)

1	Brand name		Vaillant
2	Models	A	VU 126/6-5 OVZ (H-GB) ecoTEC plus 412
		B	VU 156/6-5 OVZ (H-GB) ecoTEC plus 415
		C	VU 186/6-5 OVZ (H-GB) ecoTEC plus 418
		D	VU 246/6-5 OVZ (H-GB) ecoTEC plus 424
		E	VU 306/6-5 OVZ (H-GB) ecoTEC plus 430
		F	VU 356/6-5 OVZ (H-GB) ecoTEC plus 435

			A	B	C	D	E	F
3	Room heating: Seasonal energy-efficiency class	-	A	A	A	A	A	A
4	Room heating: Nominal heat output (*8) (*11)	P _{rated}	12	15	18	25	30	34
5	Room heating: Seasonal energy efficiency (*8)	η _s	94	94	94	94	94	93
6	Annual energy consumption (space heating) (*8)	Q _{HE}	6419	7544	8905	11998	14341	16181
7	Sound power level, indoor	L _{WA} indoor	45	48	51	52	55	53

8	 All specific precautions for assembly, installation and maintenance are described in the operating and installation instructions. Read and follow the operating and installation instructions.
9	 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(Tj)"






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Product information (in accordance with EU regulation no. 813/2013, 814/2013)

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			A	B	C	D	E	F	
10	Condensing boiler	-	✓	✓	✓	✓	✓	✓	
11	Low-temperature boiler (*2)	-	✓	✓	✓	✓	✓	✓	
12	B1 boiler	-	-	-	-	-	-	-	
13	Room boiler with combined heat and power	-	-	-	-	-	-	-	
14	Auxiliary boiler	-	-	-	-	-	-	-	
15	Combination boiler	-	-	-	-	-	-	-	
16	Room heating: Nominal heat output (*11)	P _{rated}	kW	12	15	18	25	30	34
17	Usable heat output at nominal heat output and high-temperature operation (*1)	P ₄	kW	12,2	15,1	18,2	25,2	30,3	34,4
18	Usable heat output at 30% of the nominal heat output and low-temperature operation (*2)	P ₁	kW	4,1	5,0	6,1	8,4	10,1	11,6
19	Room heating: Seasonal energy efficiency	η _s	%	94	94	94	94	94	93
20	Efficiency for nominal heat output and high-temperature application (*4)	η ₄	%	89,3	89,1	89,0	89,0	89,3	87,9
21	Efficiency at 30% of the nominal heat output and low-temperature application (*5)	η ₁	%	99,0	99,1	98,9	98,9	98,9	98,3
22	Auxiliary power consumption: Full load	el _{max}	kW	0,019	0,024	0,025	0,029	0,037	0,063
23	Auxiliary power consumption: Partial load	el _{min}	kW	0,014	0,015	0,015	0,014	0,014	0,035
24	Power consumption: Standby - mode	P _{sb}	kW	0,002	0,002	0,002	0,002	0,002	0,002
25	Heat loss: Standby	P _{stby}	kW	0,054	0,054	0,054	0,054	0,054	0,054
26	Ignition flame energy consumption	P _{ign}	kW	0,000	0,000	0,000	0,000	0,000	0,000
27	Nitrogen oxide emissions	NO _x	mg/kWh	32	33	39	39	40	29
28	Brand name	-	-	Vaillant					
29	Manufacturer's address	-	-	Vaillant GmbH Berghauser Str. 40 42859 Remscheid Germany					
30	 All specific precautions for assembly, installation and maintenance are described in the operating and installation instructions. Read and follow the operating and installation instructions.								
31	 For B1 boilers: This natural draught boiler is intended to be connected only to a flue shared between multiple dwellings in existing buildings that evacuates the residues of combustion to the outside of the room containing the boiler. It draws the combustion air directly from the room and incorporates a draught diverter. Due to lower efficiency, any other use of this boiler shall be avoided and would result in higher energy consumption and higher operating costs.								
32	 Read and follow the operating and installation instructions regarding assembly, installation, maintenance, removal, recycling and/or disposal.								
33	 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.								
34	Nominal heat output for auxiliary heating (*3)	P _{sup}	kW	-	-	-	-	-	-
35	Type of energy input of the supplementary heater	-	-	-	-	-	-	-	-

(*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 means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(*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 means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

(*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)"

