

Product Information

as required by EU regulations No 811/2013 and No 813/2013

Product Fiche (according to EU regulation No 811/2013)

(a) Supplier's name or trademark	<i>Vaillant</i>				
(b) Supplier's model identifier	<i>VUW 356/6-3 (H-GB) ecoFIT sustain 835</i>				
(c) Space heating: medium temperature application		Water heating: declared load profile			XL
(d) Seasonal space heating energy efficiency class	A	Water heating energy efficiency class			A
(e) Rated heat output, including the rated heat output of any supplementary heater	18	kW			
(f) Space heating: annual energy consumption	9892	kWh	and/ or	36	GJ
Water heating: annual electricity and/ or fuel consumption	25	kWh	and/ or	17	GJ
(g) Seasonal space heating energy efficiency	93	%	Water heating energy efficiency	87	%
(h) Sound power level, indoors	45	dB(A)			
(i) Combination heater is able to work only during off-peak hours					
(j) Specific precautions for assembly, installation and maintenance	All specific precautions for assembly, installation and maintenance are described in the operating and installation instructions. Read and follow the operating and installation instructions.				

Product Information Requirements (according to EU regulation No 813/2013)

Model	VUW 356/6-3 (H-GB) ecoFIT sustain 835		
condensing boiler	yes		
low temperature boiler**	yes		
B1 boiler	no		
Cogeneration space heater		If yes, equipped with a supplementary heater	
Combination heater	yes		

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	P_{rated}	18	kW	Seasonal space heating energy efficiency	η_s	93	%
For boiler space heaters and boiler combination heaters: Useful heat output				For boiler space heaters and boiler combination heaters: Useful efficiency			
At rated heat output and high-temperature regime (*)	P_4	18.3	kW	At rated heat output and high-temperature regime (*)	η_4	89.7	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	6.0	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	97.7	%
Supplementary heater				Supplementary heater			
Rated heat output				P_{sup}	-	kW	
Type of energy input				no value			

Auxiliary electricity consumption				Other items			
At full load	e_{lmax}	0.020	kW	Standby heat loss	P_{stby}	0.050	kW
At part load	e_{lmin}	0.013	kW	Ignition burner power consumption	P_{ign}	0.000	kW
In standby mode	P_{SB}	0.002	kW	Emission of nitrogen oxides	NO_x	37	mg/kWh

For combination heaters:

Declared load profile	XL			Water heating energy efficiency	η_{wh}	87	%
Daily electricity consumption	Q_{elec}	0.115	kWh	Daily fuel consumption	Q_{fuel}	22.521	kWh

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(*) 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).

Specific precautions that shall be taken when the space heater is assembled, installed or maintained/ information relevant for disassembly, recycling and/or disposal at end-of-life

All specific precautions for assembly, installation and maintenance and information relevant for disassembly, recycling and/or disposal at end-of-life are described in the operating and installation instructions. Read and follow the operating and installation instructions.

For type B1 boiler and type B1 combination boiler:

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.