



Product fiche concerning the COMMISSION DELEGATED REGULATIONS (EU) No 811/2013 of 18 February 2013 and (EU) No 813/2013 of 2 August 2013

Condensing Boiler:	Yes
Low Temperature Boiler	No
B1 Boiler	No
Combination Heater	No

	Symbol	Unit	Vortex Eco Boilerhouse 21kW	Vortex Eco Boilerhouse 26kW	Vortex Eco Boilerhouse 35kW
Rated heat output	P_{rated}	kW	21	26	35
For boiler space heaters and boiler combination heaters:	P_4	kW	21	26	35
At 30% of rated heat output and low temperature regime (**)	P_1	kW	6.3	7.8	10.5
Seasonal space heating energy efficiency	η_s	%	92.68	91.67	92.40
At rated heat output and high temperature regime (*)	η_4	%	95.6	92.4	92.4
At 30% of rated heat output and low temperature regime (**)	η_1	%	98.4	97.2	97.5
Auxiliary electrical consumption	---	---	---	---	---
At full load	el_{max}	kW	0.113	0.154	0.146
At part load	el_{min}	kW	0.035	0.047	0.045
In standby mode	P_{SB}	kW	0	0	0
Other items	---	---	---	---	---
Standby heat loss	P_{stby}	kW	0.082	0.091	0.09
Ignition burner power consumption	P_{ing}	kW	0	0	0
Annual energy consumption	Q_{HE}	kWh	–	–	–
Sound power level, boilerhouse	L_{WA}	db	63	63	66
Emissions of nitrogen oxides	NOx	mg/kWh	176	168	166

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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.