

Technical informations compliance with Reg. 813/2013 Annex II, point 5

Model(s):	Symbol	Unit	Alubongas 1 115	Alubongas 1 150	Alubongas 1 200	Alubongas 1 240	Alubongas 1 280
Condensing boiler:			Yes	Yes	Yes	Yes	Yes
Low-temperature boiler:			No	No	No	No	No
B1 boiler:			No	No	No	No	No
Cogeneration space heater:			No	No	No	No	No
Combination heater:			No	No	No	No	No
Rated heat output	P_{rated}	kW	110	147	196	230	269
Usefull heat output							
Rated power high-temperature regime	P_4	kW	109.7	146.7	196	229,8	269,2
At 30 % of rated heat output and low-temperature regime	P_1	kW	20	29	34,7	41,5	48,3
Seasonal space heating energy efficiency	η_s	%	92	92	92	92	92
At rated heat output and high-temperature regime	η_4	%	86.6	86.9	88	87,8	87,6
At 30 % of rated heat output and low-temperature regime	η_1	%	97	96.8	96,8	96,8	96,8
Auxiliary electricity consumption							
At full load	El_{max}	kW	0.225	0.260	0.320	0,320	0,320
At part load	El_{min}	kW	0,036	0,034	0,03	0,035	0,032
In standby mode	P_{SB}	kW	0,005	0,007	0,009	0,009	0,009
Standby heat loss	P_{stby}	kW	0.276	0,301	0,327	0,352	0,377
Ignition burner power consumption	P_{ign}	kW	0	0	0	0	0
Emissions of nitrogen oxides	NO_x	mg/ kWh	35	23	31	30	45