



## Product fiche / ERP Information Form

<b>Supplier name</b>		 <small>technology for your comfort</small>		
<b>Model Name</b>		<b>ALUBOX X-treme 250</b>	<b>ALUBOX X-treme 300</b>	<b>ALUBOX X-treme 350</b>
Seasonal Space heating efficiency class		A	A	A
Rated heat output	$P_{rated}$	237,0 kW	279,5 kW	328,3 kW
At rated heat output and high-temperature regime, useful heat capacity (*)	$P_4$	239,1 kW	281,9 kW	330,6 kW
At 30 % of rated heat output and low-temperature regime, useful heat capacity (**)	$P_1$	46,2 kW	53,9 kW	63,9 kW
At rated heat output and high-temperature regime, useful efficiency (*)	$\eta_4$	88,4 %	88,5 %	87,4 %
At 30 % of rated heat output and low-temperature regime, useful efficiency (**)	$\eta_1$	97,0 %	96,4 %	95,9 %
<b>Electricity Consumption</b>				
at full load	$e_{lmax}$	0,260 kW	0,310 kW	0,360 kW
at part load	$e_{lmin}$	0,024 kW	0,040 kW	0,030 kW
in stand by mode	$P_{sb}$	0,005 kW	0,005 kW	0,005 kW
Standby heat loss	$P_{stby}$	0,704 kW	0,704 kW	0,826 kW
Ignition burner power consumption	$P_{ign}$	NA	NA	NA
Emissions of Nitrogen Oxide	$NO_x$	35 mg / kWh	41 mg / kWh	34 mg / kWh
Seasonal Space heating energy efficiency	$\eta_s$	92 %	91,5 %	91 %
Annual energy consumption	$Q_{HE}$	748 GJ	887 GJ	1047 GJ
Sound power level indoors	$L_{WA}$	NA	NA	NA
Condensing boiler		Evet	Evet	Evet
Low temperature boiler		Hayır	Hayır	Hayır
B1 boiler		Hayır	Hayır	Hayır
Combination heater		Hayır	Hayır	Hayır
Cogeneration space heater		Hayır	Hayır	Hayır
<b>Temperature controls</b>				
Supplier name		Siemens + TURKEY		
Model name		LMS 14.047B109		
Temperature control class <sup>1</sup>		VI		
Contribution of temperature control to seasonal efficiency		4 %		
Manufacturer	Gassero Isı Teknolojileri Sanayi Limited Şirketi			
Manufacturing address	İstanbul Endüstri ve Ticaret Serbest Bölgesi 4. Sokak Parsel No: 110/2 Tuzla/İstanbul/ TÜRKİYE			
 <b>Warning and information</b>				
Before any assembly, disassembly, installation or maintenance the user and installation manual has to be read attentively and to be followed.				
1) Definition of class VI thermostat				
<p>— Class VI - Weather compensator and room sensor, for use with modulating heaters: A heater flow temperature control that varies the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. A room temperature sensor monitors room temperature and adjusts the compensation curve parallel displacement to improve room comfort. Control is achieved by modulating the output of the heater.</p>				
<p>(*) 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).</p>				
In order to CE directives EU type inspection (Module B) has been made by Szutest in Brno laboratory. Production process inspection has been made by Kiwa certification organisation in order to module D production process based on quality assurance. Conformity marking: <b>“CE 0063”</b>				
This document has been prepared in order to EU 811/2013 and EU 813/2013 regulations.				