





Product fiche / ERP Information Form

Supplier name				
Model Name		ALUCON 50	ALUCON 70	ALUCON 90
Seasonal Space heating efficiency class		A	A	A
Rated heat output	P_{rated}	47,8 kW	63,4 kW	86,3 kW
At rated heat output and high-temperature regime, useful heat capacity (*)		P_4	47,8 kW	63,4 kW
At 30 % of rated heat output and low-temperature regime, useful heat capacity (**)		P_1	9,18 kW	12,8 kW
At rated heat output and high-temperature regime, useful efficiency (*)		η_4	NA %	88,6 %
At 30 % of rated heat output and low-temperature regime, useful efficiency (**)		η_1	NA %	97,7 %
Electricity Consumption				
at full load	e_{lmax}	0,052 kW	0,097 kW	0,116 kW
at part load	e_{lmin}	0,016 kW	0,016 kW	0,026 kW
in stand by mode	P_{sb}	0,005 kW	0,005 kW	0,005 kW
Standby heat loss	P_{stby}	0,090 kW	0,090 kW	0,121 kW
Ignition burner power consumption	P_{ign}	NA	NA	NA
Emissions of Nitrogen Oxide	NO_x	37 mg / kWh	28 mg / kWh	39 mg / kWh
Seasonal Space heating energy efficiency	η_s	92,71 %	92,57 %	92,5 %
Annual energy consumption	Q_{HE}	148 GJ	197 GJ	269 GJ
Sound power level indoors	L_{WA}	56,6 dB	56,2 dB	NA
Condensing boiler		Yes	Yes	Yes
Low temperature boiler		No	No	No
B1 boiler		No	No	No
Combination heater		No	No	No
Cogeneration space heater		No	No	No
Temperature controls				
Supplier name		Siemens + TURKEY		
Model name		LMS 14.047B109		
Temperature control class ¹		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			
 Warning and information				
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: "CE 0063"				
This document has been prepared in order to EU 811/2013 regulation.				

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Supplier name					
Model Name		ALUCON 115	ALUCON 125	ALUCON 150	
Seasonal Space heating efficiency class		A	A	A	
Rated heat output	P_{rated}	109,5 kW	120,8 kW	139,8 kW	
At rated heat output and high-temperature regime, useful heat capacity (*)		P_4	109,5 kW	120,8 kW	139,8 kW
At 30 % of rated heat output and low-temperature regime, useful heat capacity (**)		P_1	20,5 kW	23,6 kW	26,8 kW
At rated heat output and high-temperature regime, useful efficiency (*)		η_4	88,3 %	88,4 %	88,4 %
At 30 % of rated heat output and low-temperature regime, useful efficiency (**)		η_1	97,8 %	97,6 %	97,5 %
Electricity Consumption					
at full load	e_{lmax}	0,203 kW	0,212 kW	0,313 kW	
at part load	e_{lmin}	0,028 kW	0,022 kW	0,023 kW	
in stand by mode	P_{sb}	0,005 kW	0,005 kW	0,005 kW	
Standby heat loss	P_{stby}	0,121 kW	0,130 kW	0,130 kW	
Ignition burner power consumption	P_{ign}	NA	NA	NA	
Emissions of Nitrogen Oxide	NO_x	43 mg / kWh	46 mg / kWh	44 mg / kWh	
Seasonal Space heating energy efficiency	η_s	92,5 %	92,4 %	92 %	
Annual energy consumption	Q_{HE}	341 GJ	377 GJ	436 GJ	
Sound power level indoors	L_{WA}	NA	NA	NA	
Condensing boiler		Yes	Yes	Yes	
Low temperature boiler		No	No	No	
B1 boiler		No	No	No	
Combination heater		No	No	No	
Cogeneration space heater		No	No	No	
Temperature controls					
Supplier name		Siemens + TURKEY			
Model name		LMS 14.047B109			
Temperature control class ¹		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				
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