



Greenstar 8000 Style

GR8700iW 40 CB NG

7738100834

Technical documentation: This document covers information requirements according (EU) No 811/2013, (EU) No 813/2013 as well as (EU) No 2017/1369, specifically Art. 12 (5) regarding: General description of the model, Measured technical parameters of the model

Declared load profile XL Rated heat output Prated kW 3.4 Annual energy consumption (average climate conditions) Q₁g kWW 3.4 Annual energy consumption Q₁g kWW 3.9 Annual electricity consumption AEC kWW 3.9 Annual fuel consumption AFC GJ 1.8 Seasonal space heating energy efficiency η₃ % 9.4 Water heating energy efficiency η₃ % 8.6 Sound power level, Indoors Lwa dB 5.3 Condensing boiler Lwa dB 5.3 Low temperature boiler No No B1 boiler No No Cogeneration space heater No No Combination heater Ves Yes Useful heat output No No At 30% of rated heat output and high temperature regime P4 kW 33.7 At 30% of rated heat output and high temperature regime P4 kW 33.7 At 20% of rated heat output and low temperature regime P4 kW 30.8	Productdata	Symbol	Unit	7738100834	
Annual energy consumption (average climate conditions) Annual energy consumption Annual energy consumption Annual fuel ctricity consumption ARC GJ 18 Seasonal space heating energy efficiency ¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	Declared load profile			XL	
Annual energy consumption QHE GJ 78 Annual electricity consumption AEC kWh 39 Annual fuel consumption AFC GJ 18 Seasonal space heating energy efficiency ηs % 94 Water heating energy efficiency ηs % 86 Sound power level, indoors Lwa dB 53 Condensing boiler No No No End boiler No No No Cogeneration space heater No No No Combination heater To Restruct the Combination heater No No Useful heat output and high temperature regime P1 kW 33,7 At 30% of rated heat output and low temperature regime P1 kW 33,7 At 30% of rated heat output and low temperature regime P1 % 88,8 At 30% of rated heat output and low temperature regime P1 % 98,8 Auxiliary electricity consumption P2 kW 0,013 In standby mode P3s	Rated heat output	Prated	kW	34	
Annual electricity consumption AEC kWh 39 Annual fuel consumption AFC GJ 18 Seasonal space heating energy efficiency η _{ah} % 94 Water heating energy efficiency η _{ah} % 86 Sound power level, indoors Lyα dB 53 Condensing boiler Lyα dB 53 Low temperature boiler No No No Cogeneration space heater No No No Combination heater West West West Useful heat output At 7 and 1 and 1 kijh temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P4 % 88,8 At 30 % of rated heat output and low temperature regime P4 % 88,8 At 30 % of rated heat output and low temperature regime P4 % 98,8 At 20 % of rated heat output and low temperature regime P4 % 0,	Annual energy consumption (average climate conditions)	Q _{HE}	kWh	-	
Annual fuel consumption AFC GJ 18 Seasonal space heating energy efficiency η _S % 94 Water heating energy efficiency η _{Mh} % 86 Sound power level, indoors L _{WA} dB 53 Condensing boiler Pes No No Low temperature boiler No No No B1 boiler No No No Cogeneration space heater No No No Combination heater Jen kW 33,7 At rated heat output and high temperature regime Pa kW 33,7 At rated heat output and low temperature regime Pa kW 11,3 88.8 At 30 % of rated heat output and low temperature regime Pa % 88.8 8.8 At 20 % of rated heat output and low temperature regime Pa % 98.8 8.8 At 20 % of rated heat output and low temperature regime Pa % 98.8 8.8 At 20 % of rated heat output and low temperature regime Pa <	Annual energy consumption	Q _{HE}	GJ	78	
Seasonal space heating energy efficiency ns % 94 Water heating energy efficiency nsh % 86 Sound power level, indoors LwA dB 53 Condensing boiler No No Low temperature boiler No No Cogeneration space heater No No Combination heater Yes Wested the toutput Wesful heat output Wested theat output and high temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P1 kW 11,3 Useful fefficiency At rated heat output and high temperature regime n1 % 88,8 At 20 % of rated heat output and low temperature regime n1 % 88,8 At 130 % of rated heat output and low temperature regime n1 % 98,8 Auxiliary electricity consumption n1 % 98,8 Auxiliary electricity consumption Ps kW 0,048 At part load elmin kW 0,048 At part load elmin kW 0,048	Annual electricity consumption	AEC	kWh	39	
Water heating energy efficiency \$\mathrm{\text{q}}_{0m}\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Annual fuel consumption	AFC	GJ	18	
Sound power level, Indoors L _{WA} dB 53 Condensing boiler Yes Low temperature boiler No B1 boiler No Cogeneration space heater No Combination heater Yes Useful heat output Wiseful heat output and high temperature regime At 7 30 % of rated heat output and low temperature regime P₁ kW 33,7 At 1 ated heat output and high temperature regime P₁ kW 11,3 Useful efficiency W 88,8 At 30 % of rated heat output and low temperature regime P₁ kW 98,8 Auxiliary electricity consumption elmin kW 0,048 At part load elmin kW 0,048 At part load elmin kW 0,013 In standby mode P₂stby kW 0,013 In standby mode P₂stby kW 0,071 Ignition burner power consumption P₂tgn kW 0,071 Ignition burner power consumption (average climate conditions)	Seasonal space heating energy efficiency	η _S	%	94	
Condensing boiler Yes Low temperature boiler No B1 boiler No Cogeneration space heater No Combination heater Yes Useful heat output At an action and high temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P1 kW 11,3 Useful efficiency At rated heat output and low temperature regime P1 kW 11,3 Williary electricity consumption A usualiary electricity consumption At full load elmax kW 0,048 At part load elmin kW 0,013 In standby mode P38 kW 0,001 Other items Standby heat loss P stby kW 0,071 Ignition burner power consumption P stby kW 0 Cemissions of nitrogen oxides (only gas- or oil fired) NOx mg/kWh 25 Additional data for combination heaters Daily fuel cons	Water heating energy efficiency	η_{wh}	%	86	
Low temperature boiler No B1 boiler No Cogeneration space heater No Combination heater yes Useful heat output Trailed heat output and high temperature regime P4 kW 33,7 At 30% of rated heat output and low temperature regime P1 kW 11,3 Useful efficiency Trailed heat output and high temperature regime P4 kW 88,8 At 30% of rated heat output and low temperature regime P4 % 88,8 At 20% of rated heat output and low temperature regime P4 % 88,8 At 20% of rated heat output and low temperature regime P4 % 88,8 At 20% of rated heat output and low temperature regime P4 % 88,8 At 20% of rated heat output and low temperature regime P4 % 88,8 At 20% of rated heat output and low temperature regime P4 % 98,8 88,8 At 20% of rated heat output and low temperature regime P4 % 98,8 88,8 At 20% of rated heat output and low temperature regime P5 80,	Sound power level, indoors	L _{WA}	dB	53	
B1 boller	Condensing boiler			Yes	
Cogeneration space heater No Combination heater Yes Useful heat output Ves Useful heat output and high temperature regime P₄ kW 33,7 At 30 % of rated heat output and low temperature regime P₁ kW 11,3 Useful efficiency W 11,3 88,8 A8,8 A9,2 A8,2 A9,2 A8,2 A9,0	Low temperature boiler			No	
Combination heater Yes Useful heat output Useful heat output and high temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P1 kW 11,3 Useful efficiency At rated heat output and high temperature regime P1 kW 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8 88,8	B1 boiler			No	
Useful heat output At rated heat output and high temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P1 kW 11,3 Useful efficiency At rated heat output and high temperature regime P4 % 88,8 At 30 % of rated heat output and low temperature regime P1 % 98,8 Auxiliary electricity consumption elmax kW 0,048 At part load elmin kW 0,013 In standby mode P5,8 kW 0,001 Other items Standby heat loss P5,8 kW 0,071 legition burner power consumption P0,0 kW 0,071 legition burner power consumption P0,0 kW 0 Emissions of nitrogen oxides (only gas- or oil fired) NO, mg/kwh 25 Additional data for combination heaters E0 kWh 0,177 Daily electricity consumption (average climate conditions) Qeiec. kWh 0,177 Daily leal consumption Qeiec. <td>Cogeneration space heater</td> <td></td> <td></td> <td>No</td>	Cogeneration space heater			No	
At rated heat output and high temperature regime P4 kW 33,7 At 30 % of rated heat output and low temperature regime P1 kW 11,3 Useful efficiency At rated heat output and high temperature regime P1 kW 11,3 Useful efficiency At rated heat output and high temperature regime P1 kW 88,8 At 30 % of rated heat output and low temperature regime P1 kW 98,8 Auxiliary electricity consumption At full load elmax kW 0,048 At part load elmin kW 0,013 In standby mode P2 kW 0,001 Other items Standby heat loss P3 kW 0,001 Useful elmin elmin kW 0,011 Ignition burner power consumption P3 kW 0,071 Ignition burner power consumption P3 kW 0,071 Ignition burner power consumption NO _x mg/kWh 25 Additional data for combination heaters Daily electricity consumption Q2 kW 0,071 Daily fuel consumption Q2 kW 0,071 Daily fuel consumption Q2 kW 0,071 Equivalent models listing. Equivalent models listing. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100846	Combination heater			Yes	
At 30 % of rated heat output and low temperature regime At rated heat output and high temperature regime At rated heat output and high temperature regime At a 30 % of rated heat output and high temperature regime At 30 % of rated heat output and low temperature regime At 30 % of rated heat output and low temperature regime At full load At part	Useful heat output				
Useful efficiency At rated heat output and high temperature regime \$\mathrm{\eta}{4}\$ \$\mathrm{\eta}{8}\mathrm{\eta}{8}\$ At 30 % of rated heat output and low temperature regime \$\mathrm{\eta}{1}\$ \$\mathrm{\eta}{8}\mathrm{\eta}{8}\$ Auxiliary electricity consumption \$\mathrm{\eta}{1}\mathrm{\eta}{2}\mathrm{\eta}{4}\$ \$\mathrm{\eta}{0}\mathrm{\eta}{2}\mathrm{\eta}{2}\$ At part load \$\mathrm{\eta}{1}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\mathrm{\eta}{2}\math	At rated heat output and high temperature regime	P ₄	kW	33,7	
At rated heat output and high temperature regime At 30 % of rated heat output and low temperature regime At 30 % of rated heat output and low temperature regime At full load Auxiliary electricity consumption At full load At part load	At 30 % of rated heat output and low temperature regime	P ₁	kW	11,3	
At 30 % of rated heat output and low temperature regime Auxiliary electricity consumption At full load elmax kW 0,048 At part load elmin kW 0,013 In standby mode P _{SB} kW 0,001 Other items Standby heat loss P _{Stby} kW 0,071 Ignition burner power consumption P _{Ign} kW 0,071 Ignition burner power consumption P _{Ign} kW 0.071 Ignitional data for combination heaters Daily electricity consumption (average climate conditions) Q _{elec} kWh 0,177 Daily fuel consumption Q _{ruel} kWh 0,2566 Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	Useful efficiency	<u> </u>			
Auxiliary electricity consumption At full load elmax kW 0,048 At part load elmin kW 0,013 In standby mode P _{SB} kW 0,001 Other items Standby heat loss P _{stby} kW 0,071 Ignition burner power consumption P _{Ign} kW - Emissions of nitrogen oxides (only gas- or oil fired) NO _x mg/kWh 25 Additional data for combination heaters Daily electricity consumption (average climate conditions) Q _{tuel} kWh 0,177 Daily fuel consumption Qr _{tuel} kWh 22,656 Equivalent models listing. Equivalent models listing. Equivalent edefinition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	At rated heat output and high temperature regime	η_4	%	88,8	
At full load elmax kW 0,048 At part load elmin kW 0,013 In standby mode P _{SB} kW 0,001 Other items Standby heat loss P _{stby} kW 0,071 Ignition burner power consumption P _{ign} kW - Emissions of nitrogen oxides (only gas- or oil fired) NO _x mg/kWh 25 Additional data for combination heaters Daily electricity consumption (average climate conditions) Q _{elec} kWh 0,177 Daily fuel consumption (average climate conditions) Q _{fuel} kWh 22,656 Equivalent models listing. Equivalent models listing. Equivalent edefinition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	At 30 % of rated heat output and low temperature regime	η_1	%	98,8	
At part load elmin kW 0,013 In standby mode P _{SB} kW 0,001 Other items Standby heat loss P _{Stby} kW 0,071 Ignition burner power consumption P _{Ign} kW - Emissions of nitrogen oxides (only gas- or oil fired) NO _x mg/kWh 25 Additional data for combination heaters Daily electricity consumption (average climate conditions) Q _{elec} kWh 0,177 Daily fuel consumption Q _{fuel} kWh 22,656 Equivalent models listing. Equivalent models listing. Equivalent models listing. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	Auxiliary electricity consumption				
In standby mode PSB kW 0,001 Other items Standby heat loss Pstby kW 0,071 Ignition burner power consumption Plgn kW - Emissions of nitrogen oxides (only gas- or oil fired) NOx mg/kWh 25 Additional data for combination heaters Total strictly consumption (average climate conditions) Qelec kWh 0,177 Daily fuel consumption Qfuel kWh 22,656 Equivalent models listing. Equivalent models listing. Equivalent detaintion is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100797 Equivalent Model 7738100797 Equivalent Model 7738100846	At full load	elmax	kW	0,048	
Other items Standby heat loss P _{stby} kW 0,071 Ignition burner power consumption P _{ign} kW - Emissions of nitrogen oxides (only gas- or oil fired) NO _x mg/kWh 25 Additional data for combination heaters Use of the consumption (average climate conditions) Q _{elec} kWh 0,177 Daily fuel consumption Q _{fuel} kWh 22,656 Equivalent models listing. Equivalent definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	At part load	elmin	kW	0,013	
Standby heat lossP _{stby} kW0,071Ignition burner power consumptionP _{ign} kW-Emissions of nitrogen oxides (only gas- or oil fired)NO _x mg/kWh25Additional data for combination heatersDaily electricity consumption (average climate conditions)Q _{elec} kWh0,177Daily fuel consumptionQ _{fuel} kWh22,656Equivalent models listing.Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier.Equivalent Model7738100841Equivalent Model7738100802Equivalent Model7738100797Equivalent Model7738100846	In standby mode	P _{SB}	kW	0,001	
Ignition burner power consumption P _{ign} kW - Emissions of nitrogen oxides (only gas- or oil fired) NO _x mg/kWh 25 Additional data for combination heaters Daily electricity consumption (average climate conditions) Q _{elec} kWh 0,177 Daily fuel consumption Q _{fuel} kWh 22,656 Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100846	Other items				
Emissions of nitrogen oxides (only gas- or oil fired) Additional data for combination heaters Daily electricity consumption (average climate conditions) Daily fuel consumption Qelec kWh Qn,177 Quily fuel consumption Qfuel kWh 22,656 Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model Equivalent Model T738100841 Equivalent Model Equivalent Model 7738100802 Equivalent Model 7738100846	Standby heat loss	P _{stby}	kW	0,071	
Additional data for combination heaters Daily electricity consumption (average climate conditions) Qelec kWh 0,177 Daily fuel consumption Qfuel kWh 22,656 Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model Equivalent Model Equivalent Model T738100802 Equivalent Model 7738100846	Ignition burner power consumption	P _{ign}	kW	-	
Daily electricity consumption (average climate conditions) Qelec kWh 0,177 Daily fuel consumption Qfuel kWh 22,656 Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100846	Emissions of nitrogen oxides (only gas- or oil fired)	NO _x	mg/kWh	25	
Daily fuel consumption Q _{fuel} kWh 22,656 Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	Additional data for combination heaters				
Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	Daily electricity consumption (average climate conditions)	Q _{elec}	kWh	0,177	
Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label (if applicable) and the product information sheet but a different model identifier. Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	Daily fuel consumption	Q _{fuel}	kWh	22,656	
Equivalent Model 7738100841 Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846	Equivalent models listing. Equivalence definition is based on (EU) No 2017/1369. The following models have the same technical characteristics relevant for the label				
Equivalent Model 7738100802 Equivalent Model 7738100797 Equivalent Model 7738100846		7738100841			
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Equivalent Model 7738100846	·	7738100797			
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