



## Greenstar 8000+

GR8701iW 36 C NG

7736702579

To the extent applicable to the product, the following data are based on the requirements of Regulations (EU) 811/2013 and (EU) 813/2013.

Declared load profile       XL         Energy Efficiency Class       A         Water heating energy efficiency class       A         Rated heat output       Prated       kW       34         Annual energy consumption (average climate conditions)       QHE       kWh       21667         Annual energy consumption       QHE       GJ       78         Annual fuel consumption       AEC       kWh       45         Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       ηS       94         Water heating energy efficiency       ηS       94         Water heating energy efficiency       ηMe       87         Sound power level, indoors       LewA       dB       53         Indication about ability working only during off-peak hours       No       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents       Condensing boiler       No         Condensing boiler       No       No       No         Low temperature boiler       No       No         B1 boiler       No       No         Cogeneration space heater       No       No         Combination heater	Productdata	Symbol	Unit	7736702579	
Water heating energy efficiency class       A         Rated heat output       Prated       kW       34         Annual energy consumption (average climate conditions)       Q <sub>HE</sub> kWh       21667         Annual energy consumption       Q <sub>HE</sub> GJ       78         Annual electricity consumption       AEC       kWh       45         Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       η <sub>S</sub> %       94         Water heating energy efficiency       η <sub>Wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         Useful heat output and high temperature regime       P4       kW       33,70         At 730% of rated heat o	Declared load profile			XL	
Rated heat output       Prated       kW       34         Annual energy consumption (average climate conditions)       Q <sub>HE</sub> kWh       21667         Annual energy consumption       Q <sub>HE</sub> GJ       78         Annual electricity consumption       AEC       kWh       45         Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       η <sub>S</sub> 94         Water heating energy efficiency       η <sub>Wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents       Condensing boiler       Yes         Low temperature boiler       No       No       No       No         B1 boiler       No       No       Cogeneration space heater       No       No         Combination heater       Yes       Ves         Useful heat output       At 70 % of rated heat output and high temperature regime       P4       kW       33,70         At 30 % of rated heat output and high temperature regime       P1       kW       11,30 <t< td=""><td>Energy Efficiency Class</td><td></td><td></td><td>Α</td></t<>	Energy Efficiency Class			Α	
Annual energy consumption (average climate conditions)       Q <sub>HE</sub> kWh       21667         Annual energy consumption       Q <sub>HE</sub> GJ       78         Annual electricity consumption       AEC       kWh       45         Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       η <sub>S</sub> %       94         Water heating energy efficiency       η <sub>Wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         Useful heat output       P <sub>4</sub> kW       33,70         At 30 % of rated heat output and low temperature regime       P <sub>1</sub> kW       11,30         Useful efficiency       N <sub>2</sub> 88,8         At 30 % of rated heat output and low temperature regime       η <sub>4</sub>	Water heating energy efficiency class			A	
Annual energy consumption       QHE       GJ       78         Annual electricity consumption       AEC       kWh       45         Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       ηs       %       94         Water heating energy efficiency       ηwh       %       87         Sound power level, indoors       LwA       dB       53         Indication about ability working only during off-peak hours       No       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents       Condensing boiler       Yes         Low temperature boiler       No       No         B1 boiler       No       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       At rated heat output and high temperature regime       P4       kW       33,70         At 30 % of rated heat output and low temperature regime       P1       kW       11,30         Useful efficiency       R       88,8         At 30 % of rated heat output and low temperature regime       R       4       88,8         At 30 % of rated heat output and low temperature regime       R	Rated heat output	Prated	kW	34	
Annual electricity consumption       AEC       kWh       45         Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       η <sub>s</sub> %       94         Water heating energy efficiency       η <sub>wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         Useful heat output and high temperature regime       P4       kW       33,70         At 30% of rated heat output and low temperature regime       P1       kW       11,30         Useful efficiency         At rated heat output and high temperature regime       η4       %       88,8         At 30% of rated heat output and low temperature regime       η4       %       88,8	Annual energy consumption (average climate conditions)	$Q_{HE}$	kWh	21667	
Annual fuel consumption       AFC       GJ       18         Seasonal space heating energy efficiency       η <sub>S</sub> %       94         Water heating energy efficiency       η <sub>wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         Useful heat output       P <sub>4</sub> kW       33,70         At 30% of rated heat output and low temperature regime       P <sub>1</sub> kW       11,30         Useful efficiency         At rated heat output and high temperature regime       η <sub>4</sub> %       88,8         At 30% of rated heat output and low temperature regime       η <sub>1</sub> %       98,8	Annual energy consumption	$Q_{HE}$	GJ	78	
Seasonal space heating energy efficiency       η <sub>S</sub> %       94         Water heating energy efficiency       η <sub>wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         Useful heat output and high temperature regime       P <sub>4</sub> kW       33,70         At 30% of rated heat output and low temperature regime       P <sub>1</sub> kW       11,30         Useful efficiency         At rated heat output and high temperature regime       η <sub>4</sub> %       88,8         At 30% of rated heat output and low temperature regime       η <sub>4</sub> %       88,8	Annual electricity consumption	AEC	kWh	45	
Water heating energy efficiency       η <sub>wh</sub> %       87         Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         At rated heat output and high temperature regime       P4       kW       33,70         At 30 % of rated heat output and low temperature regime       P1       kW       11,30         Useful efficiency         At rated heat output and high 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       88,8	Annual fuel consumption	AFC	GJ	18	
Sound power level, indoors       L <sub>WA</sub> dB       53         Indication about ability working only during off-peak hours       No         Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents         Condensing boiler       Yes         Low temperature boiler       No         B1 boiler       No         Cogeneration space heater       No         Combination heater       Yes         Useful heat output       Yes         At rated heat output and high temperature regime       P4       kW       33,70         At 30 % of rated heat output and low temperature regime       P1       kW       11,30         Useful efficiency         At rated heat output and high temperature regime       P4       %       88,8         At 730 % of rated heat output and low temperature regime       P4       %       88,8         At 30 % of rated heat output and low temperature regime       P4       %       88,8	Seasonal space heating energy efficiency	$\eta_{\text{S}}$	%	94	
Indication about ability working only during off-peak hours  Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents  Condensing boiler  Low temperature boiler  No  B1 boiler  Cogeneration space heater  No  Combination heater  Wseful heat output  At rated heat output and high temperature regime  At 30 % of rated heat output and high temperature regime  At rated heat output and high temperature regime  The second of the	Water heating energy efficiency	$\eta_{wh}$	%	87	
Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documentsCondensing boilerYesLow temperature boilerNoB1 boilerNoCogeneration space heaterNoCombination heaterYesUseful heat outputAt rated heat output and high temperature regime $P_4$ kW $33,70$ At 30 % of rated heat output and low temperature regime $P_1$ kW $11,30$ Useful efficiencyAt rated heat output and high temperature regime $P_1$ kW $11,30$ Useful efficiency $P_1$ kW $11,30$ At rated heat output and high temperature regime $P_2$ kW $11,30$ Oseful efficiency $P_3$ kW $11,30$ At rated heat output and high temperature regime $P_3$ kW $11,30$ Oseful efficiency $P$	Sound power level, indoors	L <sub>WA</sub>	dB	53	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Indication about ability working only during off-peak hours			No	
Low temperature boiler  B1 boiler  Cogeneration space heater  Combination heater  Useful heat output  At rated heat output and high temperature regime  At 30 % of rated heat output and low temperature regime  At rated heat output and high temperature regime  At a 30 % of rated heat output and high temperature regime  At rated heat output and low temperature regime  At rated heat output and high temperature regime  At rated heat output and high temperature regime  The state of the s	Special precautions to be taken during assembly, installation or maintenance (if applicable): see product accompanying documents				
B1 boilerNoCogeneration space heaterNoCombination heaterYesUseful heat outputAt rated heat output and high temperature regime $P_4$ kW $33,70$ At 30 % of rated heat output and low temperature regime $P_1$ kW $11,30$ Useful efficiencyAt rated heat output and high temperature regime $\eta_4$ % $88,8$ At 30 % of rated heat output and low temperature regime $\eta_1$ % $98,8$	Condensing boiler			Yes	
Cogeneration space heaterNoCombination heaterYesUseful heat outputVesAt rated heat output and high temperature regime $P_4$ kWAt 30 % of rated heat output and low temperature regime $P_1$ kWUseful efficiencyAt rated heat output and high temperature regime $P_4$ $P_4$ At rated heat output and high temperature regime $P_4$ $P_4$ At 30 % of rated heat output and low temperature regime $P_4$ $P_4$ At 30 % of rated heat output and low temperature regime $P_4$ $P_4$ At 30 % of rated heat output and low temperature regime $P_4$ $P_4$ At 30 % of rated heat output and low temperature regime $P_4$ $P_4$ At 30 % of rated heat output and low temperature regime $P_4$ $P_4$ At 30 % of rated heat output and low temperature regime $P_4$ $P_4$	Low temperature boiler			No	
Combination heater       Yes         Useful heat output         At rated heat output and high temperature regime $P_4$ kW 33,70         At 30 % of rated heat output and low temperature regime $P_1$ kW 11,30         Useful efficiency         At rated heat output and high temperature regime $\eta_4$ % 88,8         At 30 % of rated heat output and low temperature regime $\eta_1$ % 98,8	B1 boiler			No	
Useful heat outputAt rated heat output and high temperature regime $P_4$ kW33,70At 30 % of rated heat output and low temperature regime $P_1$ kW11,30Useful efficiencyAt rated heat output and high temperature regime $\eta_4$ %88,8At 30 % of rated heat output and low temperature regime $\eta_1$ %98,8	Cogeneration space heater			No	
At rated heat output and high temperature regime $P_4$ kW 33,70 At 30 % of rated heat output and low temperature regime $P_1$ kW 11,30 Useful efficiency  At rated heat output and high temperature regime $P_4$ kW 88,8 At 30 % of rated heat output and low temperature regime $P_4$ % 88,8 At 30 % of rated heat output and low temperature regime $P_4$ % 98,8	Combination heater			Yes	
At 30 % of rated heat output and low temperature regime $P_1$ kW 11,30 Useful efficiency  At rated heat output and high temperature regime $n_4$ % 88,8  At 30 % of rated heat output and low temperature regime $n_1$ % 98,8	Useful heat output				
	At rated heat output and high temperature regime	$P_4$	kW	33,70	
At rated heat output and high temperature regime $\eta_4$ % 88,8 At 30 % of rated heat output and low temperature regime $\eta_1$ % 98,8	At 30 % of rated heat output and low temperature regime	$P_1$	kW	11,30	
At 30 % of rated heat output and low temperature regime $\eta_1$ % 98,8	Useful efficiency				
	At rated heat output and high temperature regime	$\eta_4$	%	88,8	
	At 30 % of rated heat output and low temperature regime	$\eta_1$	%	98,8	
Auxiliary electricity consumption	Auxiliary electricity consumption				
At full load elmax kW 0,048	At full load	elmax	kW	0,048	
At part load elmin kW 0,013	At part load	elmin	kW	0,013	
In standby mode P <sub>SB</sub> kW 0,002	In standby mode	$P_{SB}$	kW	0,002	
Other items	Other items				
Standby heat loss P <sub>stby</sub> kW 0,071	Standby heat loss	P <sub>stby</sub>	kW	0,071	
Ignition burner power consumption P <sub>ign</sub> kW 0,000	Ignition burner power consumption	P <sub>ign</sub>	kW	0,000	
Emissions of nitrogen oxides (only gas- or oil fired)  NO <sub>x</sub> mg/kWh 25	Emissions of nitrogen oxides (only gas- or oil fired)	NO <sub>x</sub>	mg/kWh	25	
Additional data for combination heaters					
Daily electricity consumption (average climate conditions)  Q <sub>elec</sub> kWh 0,203	Daily electricity consumption (average climate conditions)	Q <sub>elec</sub>	kWh	0,203	
Daily fuel consumption Q <sub>fuel</sub> kWh 22,901	Daily fuel consumption	$Q_{\text{fuel}}$	kWh	22,901	

Further important information for installation, maintenance as well as recycling and/or disposal are provided within the installation and operating manuals. Read and follow the installation and operating manuals.