



Premix Double Condensing Combi Boiler



# Seradens Super Plus



Smaller,  
more elegant,  
more efficient,  
more quiet...



**MORE ENERGY SAVING,  
MORE PLENTIFUL & FASTER DOMESTIC HOT WATER PRODUCTION  
WITH THE CONDENSING TECHNOLOGY  
BOTH IN HEATING AND DOMESTIC HOT WATER.**



### Technical Specifications

MODEL	UNIT	SERADENS SUPER PLUS			
		SSP 20	SSP 24	SSP 28	SSP 36
<b>Central Heating Technical Specifications</b>					
Seasonal Space Heating Energy Efficiency Class		A	A	A	A
Seasonal Space Heating Energy Efficiency ( $\eta_s$ )	%	91	91	91	92
Useful Efficiency at 30% of Nominal Heat Output ( $\eta_u$ ) (50-30°C)	%	97.3	97	97	97.6
Useful Efficiency at Nominal Heat Output ( $\eta_n$ ) (80-60°C)	%	88	87.9	88	88
Rated Heat Output ( $P_{rated}$ ) (80-60°C)	kW	20	22	27	34
Nominal Heat Output ( $P_n$ ) (80-60°C)	kW	19.6	22.4	27.4	34.2
Nominal Heat Output (50-30°C)	kW	21.8	25.1	30.4	38.1
30% of Nominal Heat Output ( $P_{30}$ ) (50-30°C)	kW	6.1	7.3	8.3	10.7
Minimum Heat Output (50-30°C)	kW	4.07	4.93	6.07	6.33
Auxiliary Electrical Consumption at Full Load ( $e_{l,max}$ ) (80-60°C)	kW	0.08	0.081	0.084	0.093
Auxiliary Electrical Consumption at Part Load ( $e_{l,min}$ ) (80-60°C)	kW	0.033	0.034	0.035	0.055
Annual Energy Consumption ( $Q_{HE}$ )	GJ	36	43	52	62
<b>Domestic Hot Water Technical Specifications</b>					
Water Heating Energy Efficiency Class		A	A	A	A
Water Heating Energy Efficiency ( $\eta_{WH}$ )	%	91	92	90	90
Water Heating Load Profile		XL	XL	XXL	XXL
DHW Flow Rate at $\Delta T:30K$	lt/min	12	15	17	21
Maximum DHW Flow Rate	lt/min	12	17	17	22
Daily Electrical Power Consumption ( $Q_{elec}$ )	kWh	0.191	0.173	0.181	0.176
Annual Electricity Consumption (AEC)	kWh	41.958	37.989	39.761	38.676
Daily Gas Consumption ( $Q_{fuel}$ )	kWh	20.824	20.746	26.711	26.902
Annual Fuel Consumption (AFC)	GJ	16	16	21	21
<b>General Technical Specifications</b>					
NOx Class		6	6	6	6
Emissions of Nitrogen Oxide ( $NO_x$ )	mg/kWh	34.763	47.259	36.212	33.666
Sound Power Level, Indoors ( $L_{WA}$ )	dB	39	40	40	42
Auxiliary Electrical Consumption in Standby Mode ( $P_{SB}$ )	kW	0.004	0.004	0.004	0.004
Standby Heat Losses ( $P_{stby}$ )	kW	0.065	0.084	0.061	0.075
Ignition Burner Energy Consumption ( $P_{ign}$ )	kW	0	0	0	0
<b>Physical Properties</b>					
Flue Connection Types		B23 - B33 - C13 - C13(x) - C33 - C33(x) - C43 - C43(x) - C53 - C53(x) - C63 - C63(x) - C83 - C83(x) - C93 - C93(x)			
Dimensions (Width x Height x Depth)	mm	437 x 640 x 302		437 x 640 x 366	
Weight (Net)	kg	33		35	
Expansion Tank Capacity	lt			8	
Power Supply	V/Hz	230/50			

- Stainless steel main exchanger with long service life and high resistance against condensate water. Additional exchanger coils for condensation in domestic hot water production.
- Radiation losses decrease and efficiency increases thanks to the cold burner door in the main heat exchanger.
- Ideal gas-air mixture, high efficiency, low noise level, low flue gas temperature and low emission rate thanks to the premix system, environmentally friendly product.
- High efficiency proved by the very low flue gas temperature (flue gas temperature reduced up to 34°C).
- Less stop and start operations, more fuel saving with the very extensive heating modulation range that goes from 17% to 100%.
- Less fuel consumption.
- Less power consumption, thanks to the high efficient class pump (EEI  $\leq 0,20$ ).
- High pump head.
- White illuminated large LCD display.
- Digital manometer.
- Eco mod allows practical and economic setting of both central heating and domestic hot water.
- Very low sound level (39-42 dB).
- Compatible for natural gas and Propane-LPG.



### Smart Thermostat Set\*

With your smart thermostat, you may control your combi boiler from your smart phone or tablet wherever you are in the world. You may access and change the current temperature settings or timing schedules.



\*Optional.

You can find the informations about the different automatic control accessories in our website.



Manufacturer reserves the right to change any product specifications without notice.