

Premix Full Condensing Combi Boiler



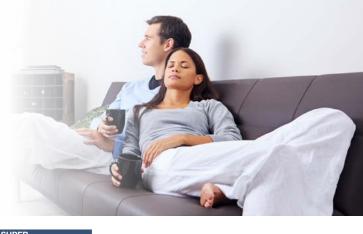
SMALLER, MORE ELEGANT, MORE EFFICIENT, MORE QUIET...

• ALARKO **Combi**

REAL COMBI, REAL COMFORT



| | | SERADENS SUPER | | | |
|--|--------|---|--------|--------|--------|
| MODEL | UNIT | SRS 20 | SRS 24 | SRS 28 | SRS 36 |
| Central Heating Technical Specifications | | | | | |
| Seasonal Space Heating Energy Efficiency Class | | A | A | A | A |
| Seasonal Space Heating Energy Efficiency (η_s) | % | 91 | 91 | 92 | 92 |
| Useful Efficiency at 30% of Nominal Heat Output (η_1) (50-30°C) | % | 97.3 | 96.9 | 97.9 | 97.4 |
| Useful Efficiency at Nominal Heat Output (η_4) (80-60°C) | % | 87.4 | 86.7 | 87.1 | 86.9 |
| Rated Heat Output (P _{rated}) (80-60°C) | kW | 19 | 22 | 27 | 34 |
| Nominal Heat Output (P4) (80-60°C) | kW | 19.4 | 22.1 | 27.1 | 33.8 |
| Nominal Heat Output (50-30°C) | kW | 21.9 | 24.8 | 30 | 37.8 |
| 30% of Nominal Heat Output (P1) (50-30°C) | kW | 6.1 | 7.3 | 8.4 | 10.9 |
| Minimum Heat Output (50-30°C) | kW | 4.14 | 4.88 | 5.66 | 6.44 |
| Auxiliary Electrical Consumption at Full Load (el _{max}) (80-60°C) | kW | 0.073 | 0.083 | 0.084 | 0.088 |
| Auxiliary Electrical Consumption at Part Load (elmin) (80-60°C) | kW | 0.032 | 0.034 | 0.036 | 0.053 |
| Annual Energy Consumption (Q _{HE}) | GJ | 36 | 42 | 50 | 62 |
| Domestic Hot Water Technical Specifications | | | | | |
| Water Heating Energy Efficiency Class | | А | А | Α | Α |
| Water Heating Energy Efficiency (η_{WH}) | % | 85 | 89 | 86 | 86 |
| Water Heating Load Profile | | XL | XL | XL | XXL |
| DHW Flow Rate at ∆T:30K | lt/min | 11.5 | 13 | 14 | 18 |
| Maximum DHW Flow Rate | lt/min | 12 | 14 | 14 | 18 |
| Daily Electrical Power Consumption (Q _{elec}) | kWh | 0.185 | 0.171 | 0.17 | 0.169 |
| Annual Electricity Consumption (AEC) | kWh | 40.748 | 37.659 | 37.489 | 37.155 |
| Daily Gas Consumption (Q _{fuel}) | kWh | 22.838 | 21.589 | 22.442 | 28.059 |
| Annual Fuel Consumption (AFC) | GJ | 18 | 17 | 18 | 22 |
| General Technical Specifications | | | | | |
| NOx Class | | 6 | 6 | 6 | 6 |
| Emissions of Nitrogen Oxide (NO _x) | mg/kWh | 36.619 | 37.422 | 44.868 | 34.553 |
| Sound Power Level, Indoors (L _{wa}) | dB | 39 | 40 | 40 | 42 |
| Auxiliary Electrical Consumption in Standby Mode (PsB) | kW | 0.003 | 0.004 | 0.003 | 0.003 |
| Standby Heat Losses (P _{stby}) | kW | 0.063 | 0.063 | 0.054 | 0.072 |
| Ignition Burner Energy Consumption (P _{ign}) | kW | 0 | 0 | 0 | 0 |
| Physical Properties | | | | | |
| 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 296 | | | |
| Weight (Net) | kg | 29 | 3 | 30 | 32 |
| Expansion Tank Capacity | lt | 8 10 | | | 10 |
| Power Supply | V/Hz | 230/50 | | | |



- Stainless steel main exchanger with long service life and high resistance against condensate water.
- 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 52°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 ≤0,20).
- High pump head.
- White illuminated LCD display.
- Digital manometer.
- Very low sound level (39-42 dB).
- Compatible for natural gas and Propane-LPG.

ER_AC_023



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.



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



Manufacturer reserves the right to change any product specifications without no



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