

SoletAer



SoletAer Solar Heat Pump

Designed for energy efficient production of domestic hot water

SoletAer combines solar technology and heat pump technology in order to make tap water heating more energy efficient.

It is mounted on the outer wall of a house and is connected to SoletAer stainless steel water heater 260 l or an existing electric water heater.

SoletAer lowers the cost of domestic hot water by two-thirds. This means annual savings of approximately 600 EUR.

SoletAer uses solar energy to heat the water which also benefits the Environment.

- **2 out of 3 showers for free.**
- **Sunny days, at spring, summer and autumn, SoletAer produces domestic hot water for free.**
- **Easy installation to existing electric water heater.**
- **Excellent complement to other heating systems.**

SoletAer compared to traditional air-to-water heat pumps run up to 20 times longer between defrosting cycles.

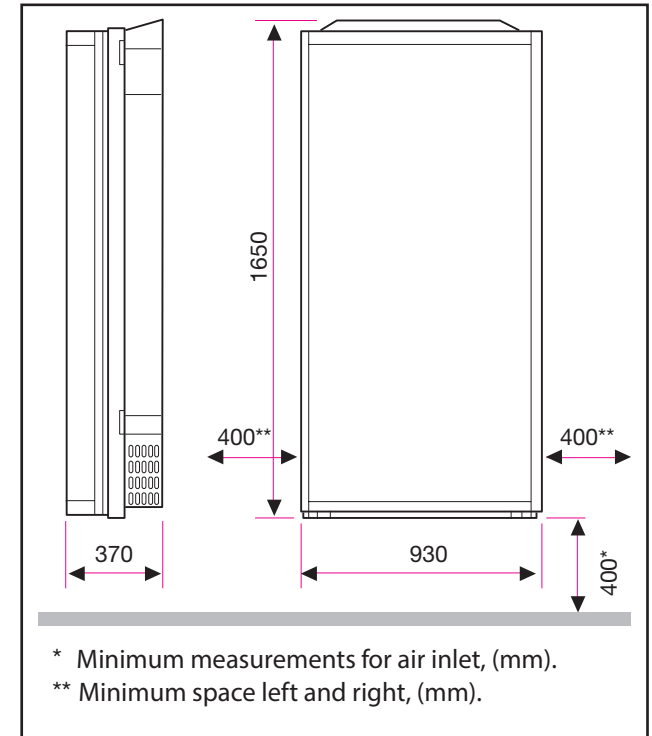
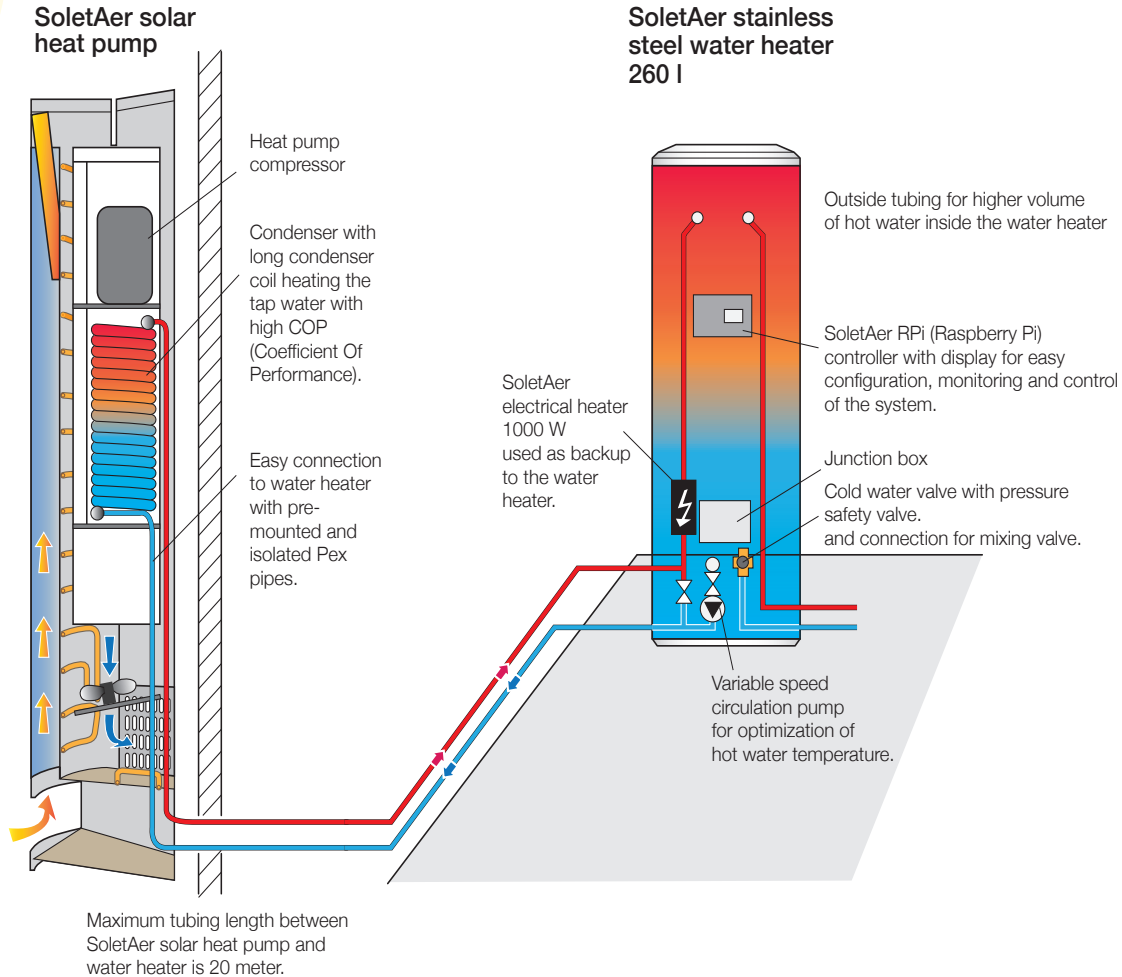
SoletAer is thereby saving energy spent on melting ice. This is possible due to the following patented innovations:

- Evaporator coil with large front area reduces the need of defrosting significantly compared to traditional air-to-water heat pumps.

- The solar panel has an evaporating effect which further reduces the need for defrosting.

Solar panel with dual refrigerant circuits. Solar heating creates a thermosiphon, natural circulation occurs as a result of absorbed solar energy.

The air-to-water heat pump operates only when the solar contribution is insufficient during winter and night.



Technical Data

Height:	1650 mm
Width:	930 mm
Depth:	370 mm
Weight:	120 kg
Power:	230 V 10A
Heat Output:	
Heat pump phase:	1400 W at +7 °C / 45 °C
Solar energy phase:	750 W
Electrical heater:	1000 W single phase 230 V
Circulation pump:	4 W 12 V DC



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