Solar Heating System Factsheet
Sammler SWH-SF-150

System model	**SWH-SF-150**
System type	Thermosiphonsystem
Manufacturer	Honeywell Technologies Sàrl
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Date of test	05.2017

☑ Performance test EN12976:2006
☑ Quality test EN12976:2006
☑ Solar Keymark

System-Data

No. of collector modules	1
Gross collector area	1.98 m²
Storage tank volume	150 l
Design load*)	150 l/d

Types of collector mounting

☑ Construction for sloping roof
☐ Integration into sloping roof
☑ On flat roof with stand
☐ Facade

Gross dimension flat roof (DxWxH)	1943 mm x 1195 mm x 1305 mm
Gross dimension sloping roof (LxW)	1329 mm x 1195 mm

Collector

Model	SWH-CBS	**Total width**	1138 mm
Type	Flat plate collector	**Gross area**	1.980 m²
Total length	1739 mm	**Weight empty**	32 kg

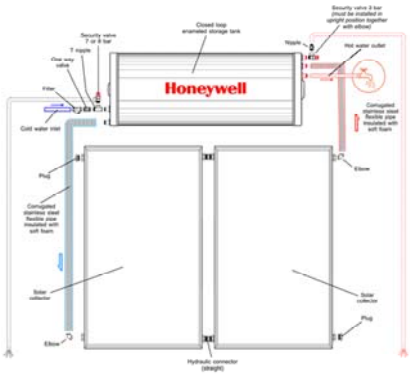
Storage tank

Model	SWH-CL-T150EH	**Outside diameter**	600 mm
Type	Horizontal / Mantle HE	**Weight empty**	58 kg
Insulation material	Polyurethane foam	**Electrical heater**	optional kW
Corrosion protection	Enameled, Mg sacrificial anode	**Max. operating pressure** **Max. storage temperature**	8 bar 95 °C
Total length	952 mm		

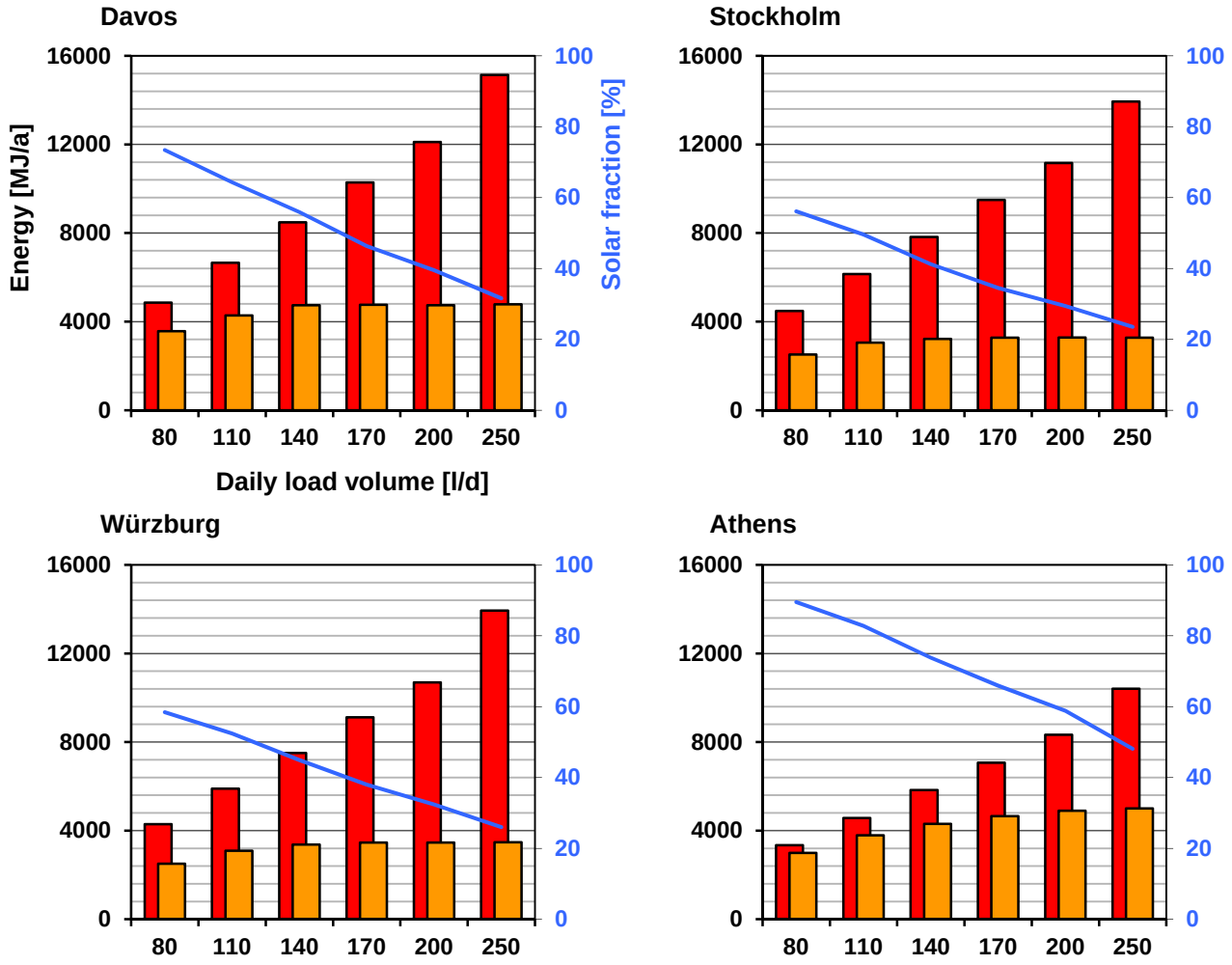
Heat transfer medium solar loop

Manufacturer	Honeywell	**Model name**	Honeywell solar glycol
Type	Water-Glycol	**Concentration/Freezing point**	Various

Schematic of system



Annual performance prediction and solar fraction for the EN locations*)



Reference conditions according to EN 12976

Collector alignment	South, tilt angle 45°
Hot water temperature	45°C
Draw-off	6 h after solar noon; 100 %

Performance indicators

~ f_{sol}: Solar fraction in % ($f_{sol} = Q_L/Q_d$)

Q_L: Heat delivered by the solar system (load)

Q_d: Heat demand

*) The reference conditions for performance prediction in accordance with EN 12976:2006 is described in the **accompanying document to the system factsheets**.