Solar Heating System Factsheet
Sammler SWH-SF-150

System model	**SWH-SF-150**
System type	Thermosiphonsystem
Manufacturer	Honeywell Technologies Sàrl
Address	Z.A. La Pièce 16 CH-1180 Rolle
Phone	+42 (0) 532 111 172
Fax	--
E-mail	info@honeywell.com
Internet	www.honeywell.com
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

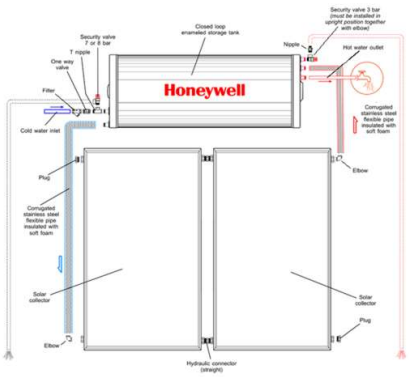
Storage tank

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		

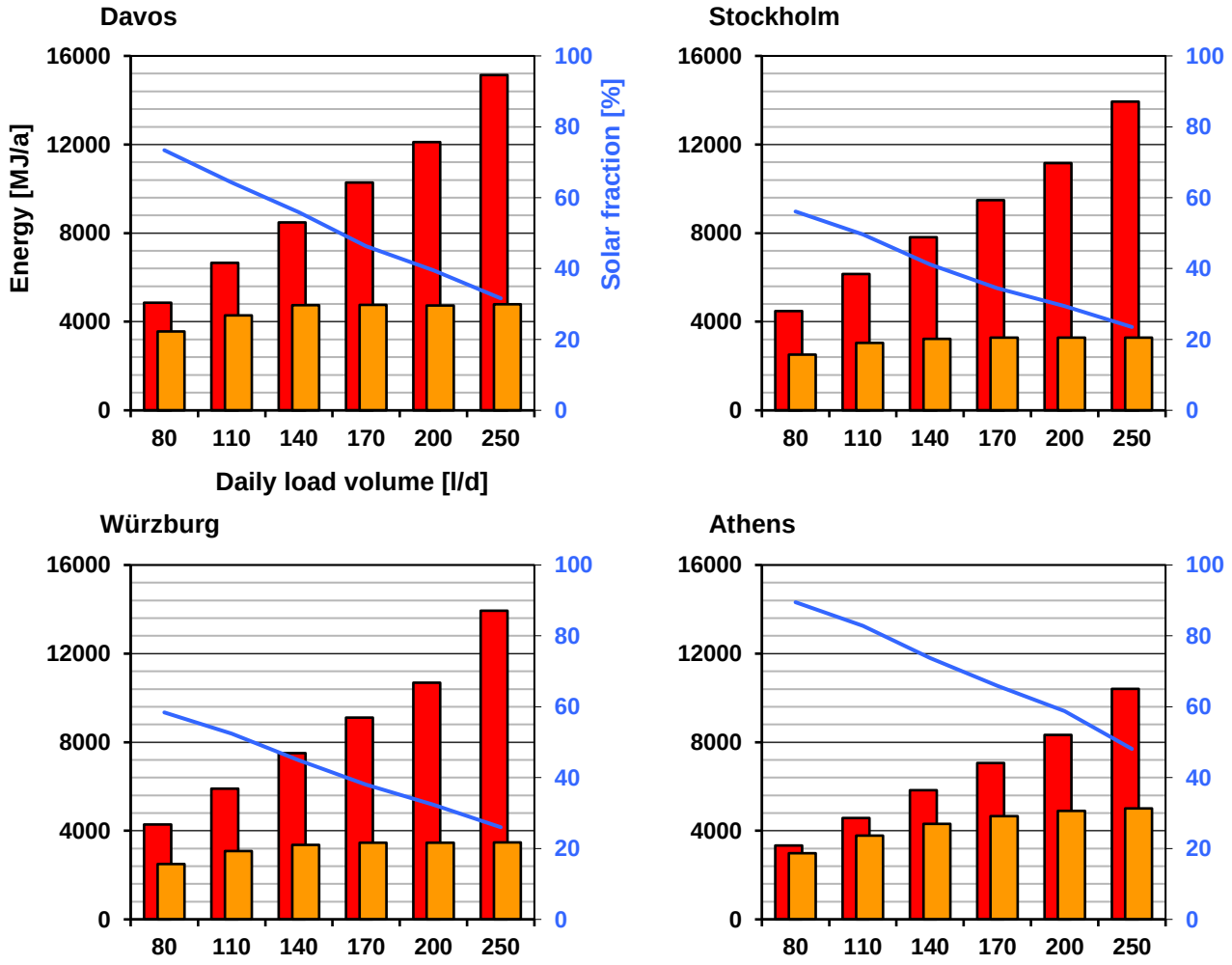
Heat transfer medium solar loop

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**.

Solar Heating System Factsheet
SWH-SF-200 – sub system

This system configuration was tested as part of a system family according to the CEN Keymark Scheme Rules for Solar Thermal Products[1]. The annual performance prediction for the system configuration has been determined using the results of the medium system of the system family. For more information about the medium system please check the factsheet of system **S216**.

General

System model	**SWH-SF-200**	**Phone**	+42 (0) 532 111 172
System type	Thermosiphon system	**Fax**	--
Manufacturer	Honeywell Technologies Sàrl	**E-Mail**	info@honeywell.com
		Internet	www.honeywell.com
Address	Z.A. La Pièce 16 CH-1180 Rolle	**Testdatum**	05.2017

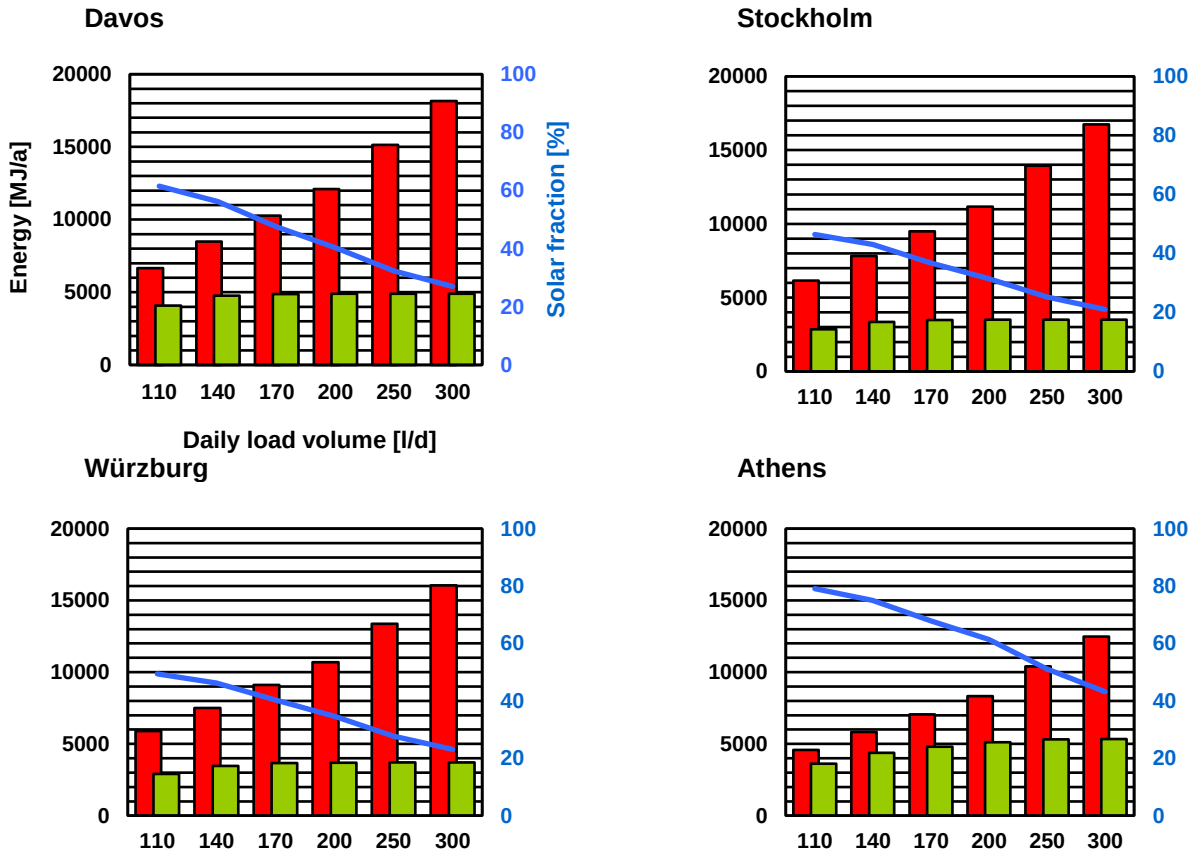
System-Data

No. of collector modules / pipes	1	
Gross collector array area	1.980	m²
Storage tank volume	200	l
Design load	200	l/d

Types of collector mounting

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

Annual performance prediction and solar fraction for the EN locations



[1] Homepage of Solar Keymark, URL: www.solarkeymark.org

Solar Heating System Factsheet
SWH-SF-300 – sub system

This system configuration was tested as part of a system family according to the CEN Keymark Scheme Rules for Solar Thermal Products[1]. The annual performance prediction for the system configuration has been determined using the results of the medium system of the system family. For more information about the medium system please check the factsheet of system **S216**.

General

System model	**SWH-SF-300**	**Phone**	+42 (0) 532 111 172
System type	Thermosiphon system	**Fax**	--
Manufacturer	Honeywell Technologies Sàrl	**E-Mail**	info@honeywell.com
		Internet	www.honeywell.com
Address	Z.A. La Pièce 16 CH-1180 Rolle	**Testdatum**	05.2017

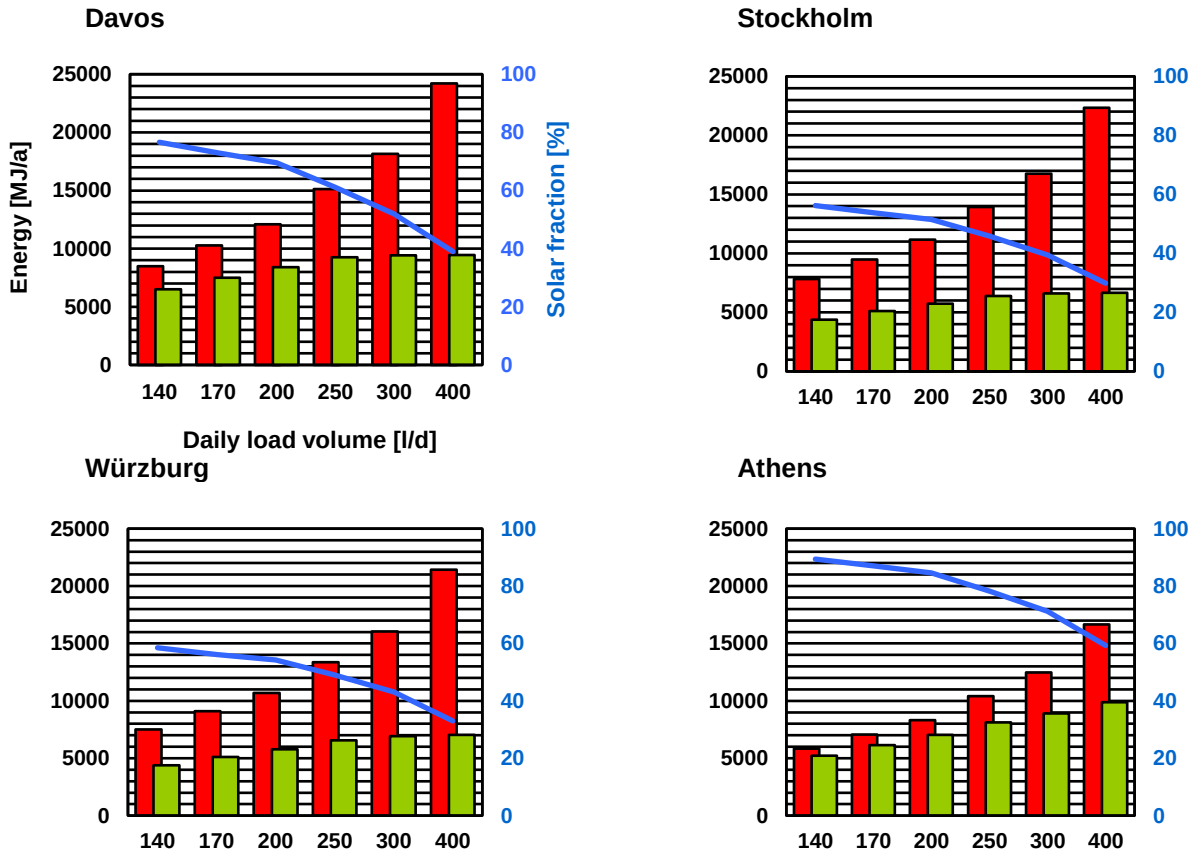
System-Data

No. of collector modules / pipes	2	
Gross collector array area	3.960	m²
Storage tank volume	300	l
Design load	300	l/d

Types of collector mounting

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

Annual performance prediction and solar fraction for the EN locations



– f_{sol}: Solar fraction % ($f_{sol} = Q_L/Q_d$) ■ Q_L: Heat delivered by the solar system (load) ■ Q_d: Heat demand

[1] Homepage of Solar Keymark, URL: www.solarkeymark.org