



UNIVERSAL
ENERGY

SD-HE Models Technical Datasheet



SOLAR DESIGN SD-HE models exist in four different sizes (please refer to the technical characteristics chart).

For a better adaptability, four angles of frames are available (8° , 20° , 38° and 45°) and can be installed on metal or tile roofs.

SD-HE models are equipped with 1500 mm length vacuum tubes and 58 mm diameter. This ideal size optimizes the ratio size/yield/strength of solar water heaters.

With the technology of heat exchanger:

- Tubes and tank can not be fured up with the scraps coming from the network
- Water for use is not stocked but instantly warmed up
- No risk of diseases due to the consumption of stagnant water

Warranty:
Product workmanship: 5 years



Technical Characteristics

Model	SD-110HE	SD-165HE	SD-210HE	SD-320HE
Number of tubes	10	15	20	30
Total capacity (l)	112	163	214	326
Absorbing area (m ²)	0.66	0.99	1.33	1.99
Aperture area (m ²)	0.82	1.23	1.64	2.45
Weight without water (kg)	46	59	76	103
Weight with water (kg)	156	225	288	427
Thermal insulator material	Polyurethane Foam - 50 mm			
Frame material	Aluminium 6063-T5			
Inner tank material	Stainless Steel 304 2B - 0.5 mm			
Outer tank material	Stainless Steel 304 2B - 0.4 mm			

Diagram of installation with HE

