

Flat solar collector

SOL 200 and SOL 200 H

Flat solar collectors for thermal solar collection facilities. Sol 200 vertical mounting, Sol 200 H horizontal mounting.

Features

- Aluminum absorber plate highly selective surface treatment, hydraulic circuit connected to the coil of copper tube by laser welding.
- Textured glass cover of 3.2 mm, tempered low iron content.
- Insulation glass wool 40 mm thick, which is supported by the aluminum plate back.
- Aluminum housing painted gray RAL 7016.
- Four connections for the connection between manifolds through easy mounting accessories.
- Tested by CENER
- 10 YEAR WARRANTY.

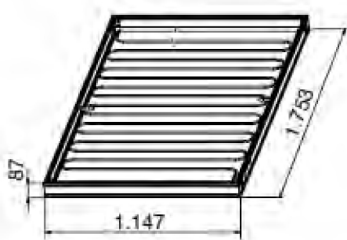
Type of delivery

a package type:
SOL 200 Solar Collector
Code 720 364 001
- Collector SOL 200 H
Code 720364301

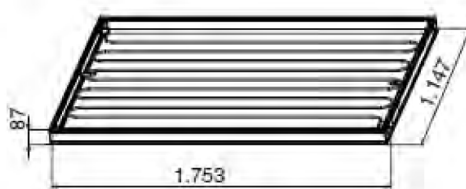


Dimensions and Technical Data

SOL 200



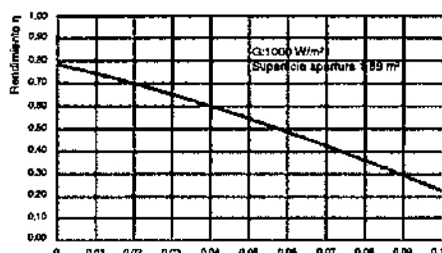
SOL 200 H



	SOL 200	SOL 200 H
Total Surface	2,01 m ²	2,01 m ²
Opening surface	1.89m ²	1,89 m ²
Capacity:	1,9 liters	2.2 liters
Weight empty	34,3 kg	35 kg
Maximum working pressure	10 bar	10 bar
Temperature	213 °C	211 °C

Yield Curve

SOL 200



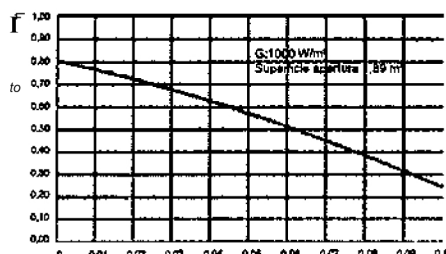
$$\eta = \frac{T_m - T_a}{G} \left(\frac{^\circ\text{C} \cdot \text{m}^2}{\text{W}} \right)$$

Manifold characteristic equation

$$\eta = 0,785 - 4,046 T^* - 0,018 G T^{*2}$$

T_m - Average temperature of the
 T_a - collector, Room temperature Solar
 G - irradiance
Test performed by CENER

SOL 200 H



$$\eta = \frac{T_m - T_a}{G} \left(\frac{^\circ\text{C} \cdot \text{m}^2}{\text{W}} \right)$$

Manifold characteristic equation

$$\eta = 0,801 - 3,810 T^* - 0,018 G T^{*2}$$

T_m - Average temperature of the
 T_a - collector, Room temperature,
 G - Solar Irradiance
Test performed by CENER

Detail collector section



1. Tempered glass.
2. Painted aluminum housing.
3. Selective coating absorber plate.
4. 40mm insulation fiberglass back.
5. Hydraulic circuit coil type.