

# pannello solare **PANDA**



COSTRUZIONI  
SOLARI



## Technical data sheet

### PANDA 2,7

The Panda collector is the result of many years of research in selecting every single component. The aim is the distribution of an Italian high-quality economic collector resistant to the atmospheric actions.

### COPPER ABSORBER

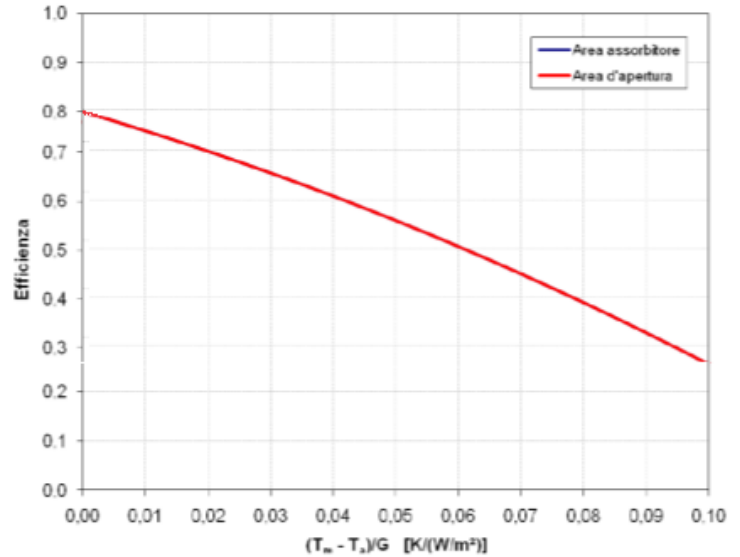
Description of the collector	
Casing material	Galvanized steel sheet from a whole sheet
Weight	57,3 kg
Dimensions $\pm 5$	2380x1130x100 mm
Total area	2,69 m <sup>2</sup>
Aperture area	2,43 m <sup>2</sup>
Absorber area	2,43 m <sup>2</sup>
Parameters of the efficiency curve	
$\eta_0$	0,80
a1	3,69 W m <sup>-2</sup> K <sup>-1</sup>
a2	0,009 W m <sup>-2</sup> K <sup>-2</sup>
IAM (Incident Angle Modifier) 50°	0,92 $\pm$ 0,04
Pressure drop (with a flow rate of 185 l/h)	350 Pa
Connections	4 fittings $\frac{3}{4}$
Test pressure	10 bar
Absorber	
Solar Absorption	95%
Thermal emissivity	4%
Construction	Semi automatic
Capacity	2 l
Weight	8,6 kg
Dimensions $\pm 5$	2270x1074 mm
Pipes	
Number of pipes	12
Diameter	8 mm
Thickness	0,5 mm
Thermal insulation	
Closed cell polyurethane foam (lateral sides)	20,5 mm
Rockwool of fiberglass (back side)	50 mm











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-  1 - Copper pipes system;
-  2 - Selective absorber plate;
-  3 - Anodized steel or aluminium casing;
-  4 - Tempered glass cover 4 mm;
-  5 - Rockwool or fibreglass 50 mm;
-  6 - Closed cell polyurethane foam 20 mm.

