FLAT-PLATE COLLECTOR SUN 301 H - HORIZONTAL

Technical datasheet Nr 98

The range SUN 301 includes a latest-generation flat-plate meander horizontal collector, dedicated especially to collective building and suitable for a various types of roofing. The collectors are available in 3 sizes: 2 m², 2.5 m² and 3.3m².

• DESCRIPTION:

- 4mm tempered solar safety glass, prismatic, with low iron content for a high transmission of solar radiation.
- Full-area meander absorber, laser-welded with long-term highselectivity PVD coating for guaranteed solar performances.
- Certified low-density mineral wool.
- Weather-resistant aluminium frame construction with aluminium rear panel, patented CMT (Cold Metal Transfer) welded collector box guarantees a long service life and high relability.
- Glass sealed by a silicone seal with double temperature- and UV-resistance and covered by a cover strip.
- Optimized ventilation.
- Very slim design construction (62mm).
- Fast and easy patented hydraulic connections with double "O-ring" seals.
- High resistance to snow and wind.
- Enlarged aperture area.
- Up to 6 collectors in series*.

Installation options:

- Installation on tilted frame on flat-roof.
- Installation on tilted roof : flat tiles, corrugated tiles, roman-tiles, slates, container steel, cement.
- Installation in-roof: flat tiles, corrugated tiles, roman-tiles, slates.



Certified SOLAR KEYMARK

• TECHNICAL SPECIFICATIONS:

Jnit - m ² mm mm mm kg I	SUN 301.20 H 50070102236 2.012 1.892 1182 1702 62 33 4 4	SUN 301.25 H 50070102237 2.555 2.417 1182 2162 62 42	SUN 301.33 H 50070102238 3.312 3.146 1182 2802 62 53
m² mm mm mm	2.012 1.892 1182 1702 62 33	2.555 2.417 1182 2162 62	3.312 3.146 1182 2802 62
m² mm mm mm	1.892 1182 1702 62 33	2.417 1182 2162 62	3.146 1182 2802 62
mm mm mm	1182 1702 62 33	1182 2162 62	1182 2802 62
mm mm	1702 62 33	2162 62	2802 62
mm	62 33	62	62
	33	-	
kg I		42	53
	4 4		
	1.4	2.2	2.8
mm	4 x Cu22mm with large end	4 x Cu22mm with large end	4 x Cu22mm with large end
-	0.800	0.800	0.800
(m².K)	4.491	4.491	4.491
m².K²)	0.007	0.007	0.007
-	0.80	0.80	0.80
(m².K)	4.98	4.98	4.98
bar	10	10	10
°C	185	185	185
n ² aperture)	25	25	25
-	max. 4 to 6*	max. 4 to 6*	max. 2 to 4*
0	15° to 70°	15° to 70°	15° to 70°
	- (m ² .K ²) - (m ² .K) bar °C ² aperture) - °	with large end - 0.800 (m².K) 4.491 m².K² 0.007 - 0.80 (m².K) 4.98 bar 10 °C 185 l²aperture) 25 - max. 4 to 6* ° 15° to 70°	4 x Cu22mm with large end 4 x Cu22mm with large end - 0.800 0.800 (m².K) 4.491 4.491 m².K² 0.007 0.007 - 0.80 0.80 (m².K) 4.98 4.98 bar 10 10 °C 185 185 l²aperture) 25 25 - max. 4 to 6* max. 4 to 6*

Warranty (Term and Conditions apply) – Collector = 10 year (under conditions).

* Under conditions.