



Heat pipe solar collector

Technical data

Models	SC-C011-15	SC-C011-20	SC-C011-25	SC-C011-30
Tube Spe	Φ58X1800			
Number of tube	15	20	25	30
Gross Area	2.52m ²	3.53m ²	4.39m ²	4.901m ²
Aperture Area	1.399m ²	1.867m ²	2.333m ²	2.791m ²
Absorber Area	1.209m ²	1.612m ²	2.015m ²	2.411m ²
Fluid Content	0.83L	1.1L	1.4L	1.7L
Fluid Type	Glycol solution or pure water			
Flow range recommendation	50-150L/m ² h			
Insulation Material	Rockwool			
Insulation Thickness	40mm			
Inlet/Outlet Pipe	1"			
Copper Manifold Header Pipe	Φ38x1mm			
Heat Pipe Condenser	Φ14x60mm			
Operating fluid pressure	≤6 kg/cm ³ ≤6 Bar			
Maximum fluid pressure	9 kg/cm ³ 9 Bar			
Maximum operating pressure	6 Bar			
Maximum service temperature	95°C			
Stagnation temperature	200°C			
Cover material	Aluminium Alloy 81.8			
Transfer sheet	Aluminium Fin			
Frame material	Aluminium Alloy 82.8, 1.5mm			
Kind of mounting	Flat roof-mounted on the roof, Tilted roof-integrated			
Frame Inclined Angle Range	15°- 75°			
Reflector	Without reflector			
Sealing Rubber	110 Methylsilicone Rubber with Vinyl			
Dustproof Rubber	EPDM			
Tail Stock	ABS Plastic material			
Daily Efficiency	>70%			

