


Technical Data Heat Pipe SEIDO 1

Modules	SEIDO 1-4	SEIDO 1-8	SEIDO 1-16
Type Certificate	Evacuated Tube Collector with Heat Pipe DIN 4757		
Shape of Absorber, straight			
Number of Tubes	4	8	16
Absorber Area	0,75 m ²	1,5 m ²	3,0 m ²
Gross Area	1,1 m ²	2,15 m ²	4,3 m ²
Length x Width x Height (mm)	2110 x 450 x 125	2110 x 960 x 125	2110 x 1920 x 125
Weight	ca. 28 kg	ca. 50 kg	ca. 100 kg
Pressure Loss at 100l/h Flow Rate	5 mbar	5 mbar	10 mbar
Flüssigkeitsinhalt	0,24 l	0,48 l	0,96 l
Glass Material	High-Grade Boro-Silicate Glass		
Diameter of Glass Tube	100 mm		
Wall Thickness	2,5 mm		
Vacuum	<10 ⁻⁵ mbar		
Absorber Material	Aluminium		
Coating	Aluminiumnitride		
Absorption Coefficient	>92%		
Emission Coefficient	< 8%		
Operational Tilt Angle for Heat Pipe	15 bis 90°		
Test Pressure	10 bar		
Allowable Working Pressure	6 bar		
Max. Idle Temperature of Modul	190°C		
Max. Idle Temperature of Tube	247°C		
Connections	Locking Ring		