

SONNENKRAFT® LARGE SIZE COLLECTOR GK5-HP, GK10-HP

New!

E³

EASY

The proven mounting system of SONNENKRAFT ensures a quick & easy mounting and adjustment of the collector.

EFFICIENT

Higher efficiency because of a new design welding the collecting pipe directly to the absorber and embedding it into the isolation.

EXTRA

Shapely styling, representing the new SONNENKRAFT-look.



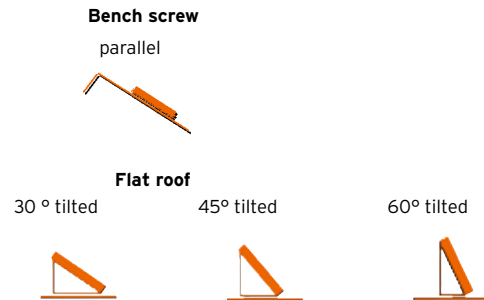
Large size collector GK5-HP, GK10-HP

The GK-AL collector is specially optimised for bigger installations. It can be installed quickly and easily combined to a large scale field. The efficiency could be substantially increased by welding the collecting pipe directly to the absorber.

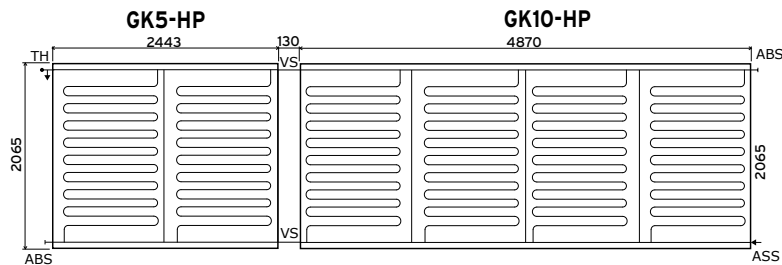
SPECIFICATIONS

Name	GK5-HP	GK10-HP
Collectortype	flat collector	
Mounting type	on-roof	
Gross area	m ² 5,04	10,06
Aperture area	m ² 4,64	9,28
Absorber area	m ² 4,63	9,26
Length	mm 2065	
Width /Width incl. connection	mm 2443 / 2468	4870 / 4896
Height	mm 113	
Weight empty	kg 87	168
Collector capacity	l 3,4	6,9
Max. operating pressure	bar 10	
Idle temperature	° C 199	
Recommended throughput	l/m ² h 10 - 25	
Collector field piping	max. 70m ² parallel	
Min. collector incline	° 25	
Max. collector incline	° 75	
Connections	4 x 1 1/4" male screw connection	
Absorber	Full surface aluminium absorber, highly selective vacuum coating	
Hydraulic design	Meander	
Absorption (α) / Emission (ε)	0,95 / 0,05	
Collector housing	Aluminium frame	
Heat insulation	50 mm mineral wool	
Collector glazing	3,2 mm toughned low iron solar glass	
Number of glass plates	2	4
Efficiency (Aperture/Absorber) η_{0a} / η_{0A}	0,809	
Heat transfer coefficient a_{1a} / a_{1A}	W / (m ² K)	2,858
Temperature depending heat transfer coefficient a_{2a} / a_{2A}	W / (m ² K ²)	0,015
Angle correction factor $K_{\theta}(50^{\circ})$	0,95	
Solar Keymark Reg.Nr.	011-7S1878 F	

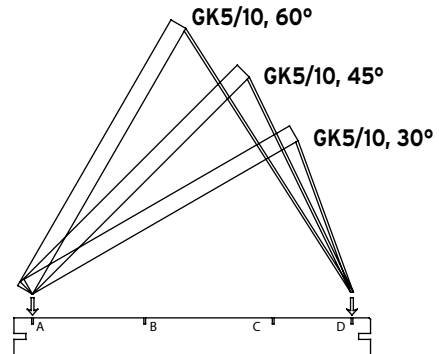
Fastening system GK-HP



Dimensions



Concrete fasteningpoints GK-HP, 30°, 45° and 60°



Contact your SONNENKRAFT® sales representative today.
The sun will rise again tomorrow.

