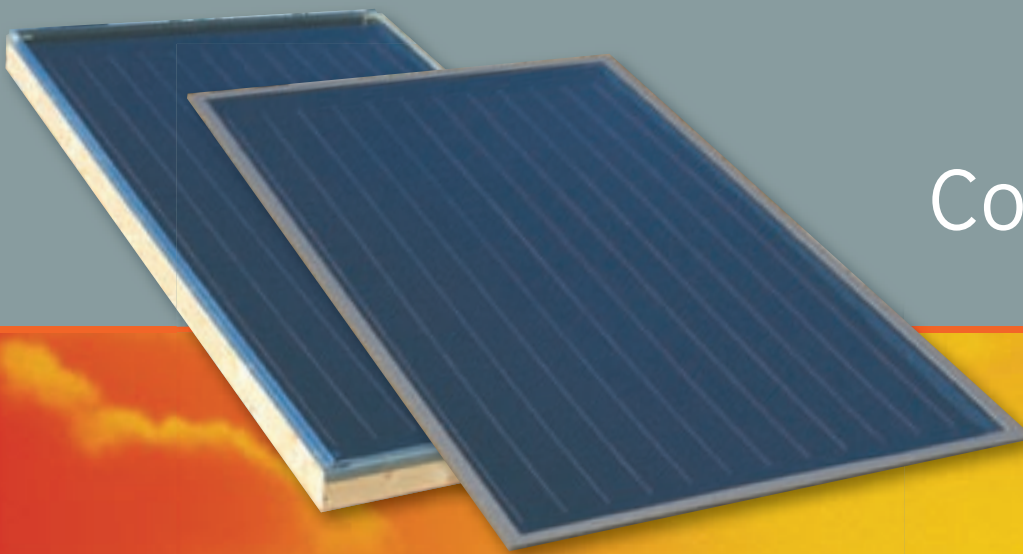


***SONNENKRAFT®***



Collectors



THE FUTURE OF ENERGY

[www.sonnenkraft.com](http://www.sonnenkraft.com)

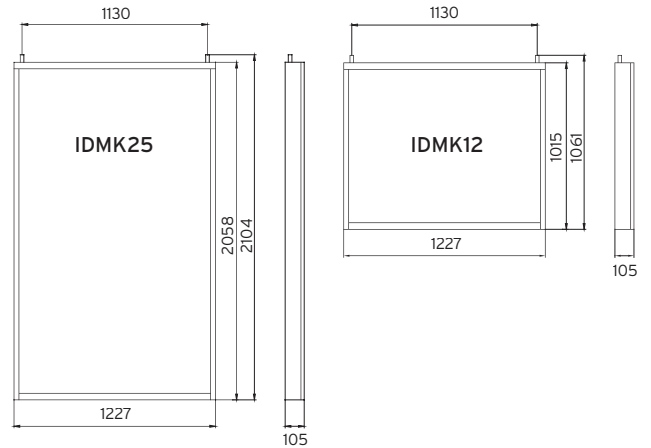
# In-roof collector IDMK

The in-roof module collector IDMK is optimised for simple self-assembly. This type of installation is recommended where crane montage is not possible. The added option of combining collectors alongside and above one another means the ideal solution can be found for every roof.

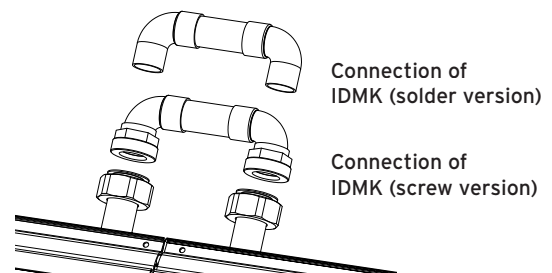
## Specifications IDMK

Name	IDMK25	IDMK12
Collector type	pre-assembled collector	
Installation type	in-roof	
Gross surface area	2.52m <sup>2</sup>	1.25m <sup>2</sup>
Opening surface area	2.32m <sup>2</sup>	1.10m <sup>2</sup>
Absorber surface area	2.28m <sup>2</sup>	1.08m <sup>2</sup>
Height	2058mm	1015mm
Width	1227mm	1227mm
Depth	105mm	105mm
Empty weight	49kg	25kg
Collector capacity	1.7l	1.2l
Connections	1" or Cu22 screw connection	
Absorber	structure, copper full-surface absorber with highly-selective vacuum coating	
Wiring	Harp wiring	
Absorption ( $\alpha$ )	0.95	
Emission ( $\epsilon$ )	0.05	
Housing	wooden frame with aluminium section, 4 mm hardboard	
Heat insulation	50mm mineral wool	
Collector glazing	3,2mm tempered solar safety glass	
No. plates	1	
Conversion factor $\eta_0$	0.79	
Angle correction factor $K_{50^\circ}$	0.93	
Minimum output	525kWh/(m <sup>2</sup> a)	
Max. operating pressure	10 bar	
Idle temperature	180° C plus ambient temperature	
Recommended throughput	15 - 40l/h per m <sup>2</sup>	
Module wiring	max. 6 in series	
Min. collector angle	20°	
Max. collector angle	65°	

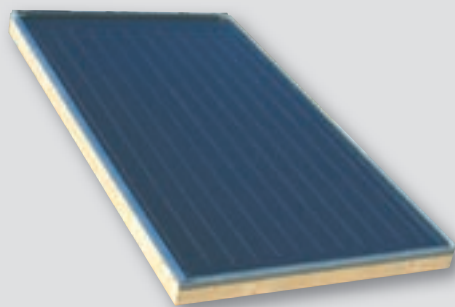
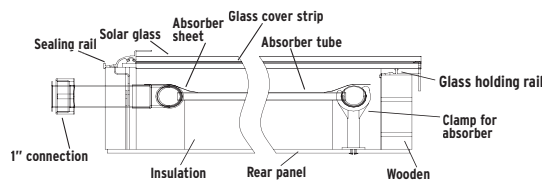
## Dimensions IDMK



## Connections IDMK



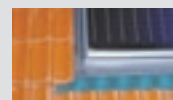
## Schematic illustration IDMK



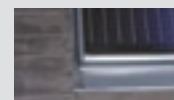
## Features of in roof module collector IDMK

- Simple and quick self-assembly
- Easily portable module
- Perfect integration into roof design
- Excellent price/performance ratio
- Full-surface, highly-selective coated and structured copper absorber
- Connection suitable for screw- and solder mounting

## IDMK sheet metal edgings



Sheet metal edging tile



Roof shingle sheet metal edging



Plain tile sheet metal edging