



Thin, metallic shining border inside provides an elegant look.

Outstanding glass strips – collectors can be pushed together optically closer than normal frame collectors.

Plastic caps with appealing design as impact protection and drainage of the first sealing level



Technical Data

Type of construction Flat plate collector for on-roof, flat-roof

and field mounting

Absorber type

KBB absorber with aluminum sheet and copper tubes

Absorber type

Absorber with manufact and 2 manifolds 222 mm

Absorber with meander and 2 manifolds ø22 mm

Measurements (L x B x H) 1854 x 1135 x 77 mm

Gross area 2,10 m²
Aperture area 1,98 m²
Total weigt dry 32,5 kg
Liquid content 1,5 l

Reference areaGross areaAperture areaEfficiency $\eta_{0,b}$ 76,5 %81,1 %

Heat loss coefficient a1 $3,665 \text{ W/m}^2\text{K}$ $3,887 \text{ W/m}^2\text{K}$ Heat loss coefficient a2 $0,015 \text{ W/m}^2\text{K}^2$ $0,016 \text{ W/m}^2\text{K}^2$

Annual collector output (Würzburg, 50°C) 481 kWh/m²

Max stagnation temperature 188°C ($G_s=1000 \text{ W/m}^2$, $\vartheta_{as}=30$ °C)

Absorber coating High selective coating on aluminum sheet

Absorption / emissivity 95 % / 5 %

Covering Low iron, structured solar safety glass (ESG)

Transmission of covering 91,5%

Impact resistance of covering Cover passed the optional impact resistance tests acc. ISO 9808

Nominal flow 100 l/h (low flow: 50 l/h)

Nominal pressure loss 225 mbar (low flow: 70 mbar, water / 20°C)

Hydraulic connection Parallel connection with collectors side-by-side

Collector connection Sideways 4 connectors Ø 22mm bare tube for compression fitting

Max operation pressure 10 bar

Thermal insulation Mineral wool 30 mm

Collector case Aluminum frame, glass strip powder coated

Permissible wind and snow load 3 kN/m² suction, 3 kN/m² pressure

Angle of inclination $15^{\circ} - 75^{\circ}$

Transport capacity 10 years













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Technical modifications and errors excepted. v17.01