

## **Technical data**

Type of construction Flat plate collector for on-roof, in-roof, flat-roof and facade mounting Absorber type KBB absorber with Al-sheet and Cu-tubes. Absorber with 10 harp tubes ø8mm and 2 manifolds ø18mm Measurement (L / W / H) 2160 / 1150 / 95 mm 2.511 m<sup>2</sup> Gross area 2.300 m<sup>2</sup>/2.327 m<sup>2</sup> Aperture / absorber area (net) Total Weight dry 39 kg Liquid content 1.31 Efficiency  $\eta_0$ 78.1 %, related to the aperture area Heat loss coefficient a1 3.70 W / (m<sup>2</sup> x K) Heat loss coefficient a2 0.0141 W / (m<sup>2</sup> x K<sup>2</sup>) Heat loss coefficient a40 4.264 W / (m<sup>2</sup> x K) Max stagnation temperature 203 °C Absorber coating Highly selective on Aluminium (eta-Plus\_al) Absorptance / Emittance 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 following EN12975-2. 100 l/h (low flow conditions: 50 l/h) Nominal flow Nominal pressure loss 5 mbar (low flow conditions: 3 mbar, water/propylene-glycol 20°C) Hydraulic connection Series connection with collectors side-by-side Collector connection 2 connectors at on side, 1/2" male thread, flat sealing Max operation pressure 10 bar Heat insulation Mineral wool 50 mm Collector case Aluminium frame, powder coated Angle of inclination  $15 - 90^{\circ}$ Permissible wind and snow load 3 kN/m<sup>2</sup> suction, 5 kN/m<sup>2</sup> pressure Recommended heat transfer fluid Antifreeze mix based on propylene-glycol Report no. of Performance Test, 98-08/KD, Reliability Test acc. to EN12975 105-08/KQT 011-7S323 F / 2019-04-30 Solar Keymark no. / expiry date Guarantee 10 years for functionality and weathering resistance

