

General Specifications

Manufacturer

Camel Solar Ltd Velijko Vlahovic 18 (mezanin) 1000 Skopje Republic of Macedonia

Type of Collector Cs Full Plate 2.0-4

Year of Production 2012

Dimensions of Collector

Gross Area 2.02 m²

Aperture Area 1.83 m²

Absorber Area 1.83 m²

Technical Figures

Collector Type Flat Plate Collector

Length 2005 mm (Determined by Test Lab)

Width 1005 mm (Determined by Test Lab)

Height 85 mm (Determined by Test Lab)

Material Aluminium

Weight 33 kg

Sealing Material Silicon

Collector Mounting On Roof, Flat Roof

Absorber

Material Aluminium Sheet and Copper Piping

Absorption 0.95

Emittance 0.05

Heat Transfer Fluid 1.5 Litres

Number of Absorber Tubes 10

Number of Connections 4

Glass

Material Tempered Low Iron Glass

Transmittance 0.92

Thermal insulation

Material Rock Wool

Thermal Conductivity 0.035w/(mK)

Thickness 50 mm

Limits

Stagnation Temperature 197 °c

Max. Operating Pressure 10 bar

Heat Transfer Fluid Glycol / Water Mixture