

## General Specifications

### Manufacturer

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

Type of Collector CS Vacuum 15

Year of Production 2011

### Dimensions of Collector

Gross Area 2.35 m<sup>2</sup>

Aperture Area 1.42 m<sup>2</sup>

Absorber Area 1.21 m<sup>2</sup>

### Technical Figures

Collector type Evacuated Tubular Collector With Direct Flow

Length 1990 mm (Determined by Test Lab)

Width 1180 mm (Determined by Test Lab)

Height 158 mm (Determined by Test Lab)

Material Aluminium Frame + Manifold

Weight 45 kg

Sealing Material Rubber

Collector Mounting On Roof, Flat Roof

### Absorber

Material Glass

Absorption 0.92 - 0.96

Emittance 0.04 - 0.06

Heat Transfer Fluid 2.95 Litres

Number of Absorber Tubes 15

Number of Connections 2

### Glass

Material High Borsilicate Glass

Transmittance 0.92

Outer Diameter Glass Tube 58mm

### Thermal insulation

Material Rock Wool

Thermal Conductivity 0.035w/(mK)

Thickness 20 mm

### Limits

Stagnation Temperature 250 °c

Max. Operating Pressure 10 bar

Heat Transfer Fluid Glycol / Water Mixture