



CoolSky

Flat Plate Solar Collector FK8203 Specification



CoolSky Ltd

42 Milecross Road, Newtownards BT23 4SR
Tel: +44 (0)28 9182 9470
Email: info@cool-sky.co.uk

Company Registration No. NI072166
VAT No. GB 108838970
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FK8203 Specification



The Versatile FK8203 Flat Plate Solar Collector from CoolSky is a light-weight Aluminium frame collector. Specially designed and manufactured to keep the number of individual components to a minimum but still providing optimal output.

The FK8203 collector contains a highly selective coated aluminium absorber.

Versatility is at the heart of the FK8203 concept, and the collector is equipped with a modular mounting system, enabling them to be used for installation on flat-roof, in-roof and roof-mounted projects.

Collector Installation Options



Flat Roof 45°



On-Roof Parallel



In-Roof Flush Mounted

FK8203 Technical Data	
Collector Type	Frame Collector
Gross Area [m ²]	2.02
Absorber Area [m ²]	1.84
Aperture Area [m ²]	1.84
L x W x H [mm]	1730 x 1170 x 83
Weight (Empty) [kg]	35
Absorber Fluid Capacity [Ltrs]	1.56
Housing	Aluminium Frame
Surface	Natural Aluminium
Back Plate	Aluminium Sheet
Aluminium Absorber Sheet	Highly Selective Coating
Absorber Absorption [%]	95
Absorber Emission [%]	5
Manifold Pipes Ø [mm]	22
Collector Riser Pipes Ø [mm]	8
Hydraulic Connections	4 x 22mm Compression Fittings
Tempered Safety Glass	3.2mm with black frame design
Glass Transmittance [%]	90
Insulation Thickness	40mm Mineral Wool
Max. Stagnation Temperature	192 °C
Max. Operating Pressure [bar]	10
Solar Fluid	Propylene glycol / water mix
Approved Installation Angle	Min 15°, Max 75°

CoolSky FK8203 Product Benefits

Unique visual appeal with black-frame solar glass

Optimal value for money thanks to the intelligent product design based on a minimum number of individual components

For roof-mounting, in-roof or flat-roof with an ability to install in-roof up to 6 collectors in a row

Roof-mounting available for all common types of Roof

Fastest possible installation times based on an intelligent mounting concept with Slot-Hammerhead-Screw-System

Maximum precision thanks to manufacturing on a fully automated production line

Solar Keymark and MCS certification with 10 years warranty from date of manufacture as standard.

	η_0	a_1	a_2
FK8203	81.4%	4.061	0.013

EN12975 Performance Figures (Based on Aperture Area)



HIGH QUALITY FOR ALL USERS

The Brand new FK8203 from CoolSky represents the highest technical standards in Flat Plate Solar Collector design and manufacture.

An innovative quality product, the new FK8203 satisfies the toughest requirements in collector technology and has been developed in close cooperation with experienced experts and international designers.

You too can benefit from the new FK8203's benefits and select an innovative product that will achieve the levels of performance and aesthetic appeal that the modern customer demands.



Collector Model : FK 8203 N4A

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SolarKeymark Licence : 011-7S1323 F



MCS Certificate No : MCS BBA 0128

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