

Specifications of HaiLin Flat Plate Solar Collector

Type	HB 2.5 A	
Dimensions	mm	2,180×1,160×80
Weight empty	kg	44
Approvals	GB/T6424, EN12975, EN12976	
Accreditation	CGC-SOLAR, CTS (China)	
Pipes for circulating	Type	H
	Material	TP2 copper
	Quantity	9
	Process	Brazing
Testing pressure	1.4 Mpa	
Absorber	Material	Aluminium
	Coating	BlueTec eta plus
	Color	Blue
	Thickness	0.4 mm
	Absorptivity	95 % ± 2%
	Emittance	5 % ± 2%
	Welding process	Full-plate absorber for solar collectors by Laser
Glass	Type	One sheet of low-iron tempered glass
	Iron content	≤ 0.01 %
	Transmittance	≥ 93%
	Thickness	3.2 mm
Insulation	Type	Glass wool
	Size & Density Back	45 mm, 35 kg/ m ³
	Size & Density Edge	30 mm, 24 kg/ m ³
	Approval	6063T5 1.3 mm
Casing	Material	Aluminium-alloy
Connections	Inlet/Outlet	φ22
Testing Data	Efficiency	81% ± 2%
	Heat Loss Co-efficient	a1=3.82 W/m ² ·K a2=0.008 W/m ² ·K
	Stagnation temperature	218 °C 1000W/m ²

BlueTEC Inside



We are able to vary the design to meet the customers' requirements.

