

## Specifications of HaiLin Flat Plate Solar Collector

Type		HB 2.0 A		
Dimensions	mm	2,000×1,000×80		
Weight empty	kg	34		
Approvals		GB/T6424, EN12975, EN12976		
Accreditation		CGC-SOLAR, CTS (China)		
Pipes for circulating	Type	H		
	Material	TP2 copper		
	Quantity	8		
	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, 32 kg/ m <sup>3</sup>		
	Size & Density Edge	30 mm, 24 kg/ m <sup>3</sup>		
	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 <sup>2</sup> ·K a2=0.008 W/m <sup>2</sup> ·K		
	Stagnation temperature	218 °C 1000W/m <sup>2</sup>		

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