



Wunder CLSF

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In the Wunder CLSF series; 40mm thick 50 kg/m³ rockwool for insulation; aluminum finishing, EPDM rubber and silicone for leak-proof are used. While glazing is done by a 4mm thick low iron tempered glass, 0,20 mm thick titanium coated selective surface is offered for the absorber surface.



Wunder CLSF 2510
Wunder CLSF 2108

Dimensions	1988x1218x90 (mm)	1988x1041x90 (mm)
Casing Material	Electrostatic Painted Aluminium Case	Electrostatic Painted Aluminium Case
Weight	44 kg	37.2 kg.
Sealing Material	EPDM & Silicone & Aluminium Frame	EPDM & Silicone & Aluminium Frame
Gross Area	2.42 m ²	2.07 m ²
Aperture Area	2.24 m ²	1.92 m ²
Absorber Area	2.23 m ²	1.90 m ²
Absorber Material	Full-Face Selective Coated Copper	Full-Face Selective Coated Copper
Absorber Thickness	0.20 mm	0.20 mm
Absorptance	%97	%97
Emittance	%3	%3
Welding Method	Ultrasonic Welding	Ultrasonic Welding
Heat Carrier Volume	1.27 Liter	1.07 Liter
Diameter of Absorber Tube	8,0 mm / 10 mm / 12.7 mm	8,0 mm / 10 mm / 12.7 mm
Absorber Tube Wall Thickness	0.45 mm	0.45 mm
Diameter of Header Tube	18 mm / 22 mm / 24 mm	18 mm / 22 mm / 24 mm
Header Tube Wall Thickness	0.70 mm	0.70 mm
Number of Tube	10	9
Tube Pitch (mm)	110 mm	110 mm
Glass Material	Low Iron Tempered Glass	Low Iron Tempered Glass
Transmittance of Glass	% 91	%91
Thickness of Glass	4 mm	4 mm
Insulation Material	Rock Wool	Rock Wool
Thermal Conductivity	0.037 W/(mK)	0.037 W/(mK)
Heat Capacity of Wool	0.84 KJ/(kgK)	0.84 KJ/(kgK)
Density of Wool	50 Kg /m ³	50 Kg /m ³
Thickness of Wool	50 mm	50 mm
Stagnation Temperature at 1000 W/m ² and 30 °C	232 °C	211 °C
Maximum Operation Pressure	10 bar	10 bar
Test Pressure	25 bar	25 bar
Nominal Flow Rate	120 Liter / H	105 Liter / h
Base Sheathing	Embossed - finished Aluminium	Embossed - Finished Aluminium
Mounting Mode	Inroof, onto-roof, flat roof	Inroof, onto-roof, flat roof


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