

HP200

Technical Specification HP200

	HP200/HP250 - 1m ²	HP200/HP250 - 2m ²	HP200/HP250 - 3m ²
Number of Tubes	10	20	30
Dimensions			
Absorber Area	1.007m ²	2.01m ²	3.021m ²
Overall Dimensions	2005 x 709 x 97mm	2005 x 1418 x 97mm	2005 x 2127 x 97mm
Width of Manifold	709mm	1418mm	2127mm
Length (Tube and Manifold)	2005mm	2005mm	2005mm
Depth	97mm	97mm	97mm
Aperture Area	1.076m ²	2.157m ²	3.229m ²
Fluid Volume (In Manifold)	0.6 Ltr	1.2 Ltr	1.7 Ltr
Inlet and Outlet Dimensions	22mm	22mm	22mm
Weight (Empty)	25kg	50kg	75kg
Mounting			
Recommended Inclination	20-70°	20-70°	20-70°
Operating Data			
Efficiency	Based on Aperture	Based on Aperture	Based on Aperture
eta 0	0.725	0.738	0.727
k1	1.57 W/m ² K	1.17 W/m ² K	0.85 W/m ² K
k2	0.0054 W/m ² K ²	0.0082 W/m ² K ²	0.0093 W/m ² K ²
Test Report			
Performance Test Report	BLG 3509	BLG 10906	BLG 11006
Quality Test Report			
Flow Rate			
Rated	80 Ltr / h	160 Ltr / h	240 Ltr / h
Minimum	60 Ltr / h	120 Ltr / h	180 Ltr / h
Maximum	150 Ltr / h	300 Ltr / h	480 Ltr / h
Maximum Operating Pressure	8 Bar	8 Bar	8 Bar
Stagnation Temperature	166°C /183.6°C	166°C /183.6°C	166°C /183.6°C
Heat Transfer Fluid	Water/Glycol	Water/Glycol	Water/Glycol
Materials			
Absorber	Copper	Copper	Copper
Coating	Selective Coating	Selective Coating	Selective Coating
Absorbance	95%	95%	95%
Emissivity	5%	5%	5%
Mounting Frame and Clips	Stainless Steel, Aluminium, EPDM	Stainless Steel, Aluminium, EPDM	Stainless Steel, Aluminium, EPDM
Glass	Low Iron - Transm. 0.92	Low Iron - Transm. 0.92	Low Iron - Transm. 0.92
Vacuum	Less than 10 ⁻⁶ mbar	Less than 10 ⁻⁶ mbar	Less than 10 ⁻⁶ mbar
Temperature Limitation (HP200/HP250)	90-95 / 130-135°C	90-95 / 130-135°C	90-95 / 130-135°C
Quality Certification / Solar Keymark	Yes	Yes	Yes