

Technical Specification HP200 Series Solar Collectors

Dimensions	THERMOMAX HP200 DRY HEAT-PIPE SYSTEMS			
	HP 200 - 2m ²		HP 200 - 3m ²	
Absorber Area	2.010	m ²	3.021	m ²
Aperture Area	2.157	m ²	3.229	m ²
Length / Width / Height	2005 / 1418 / 97	mm	2005 / 2127 / 97	mm
Fluid Volume (In Manifold)	1.1	l	1.7	l
Inlet and Outlet Dimensions	22	mm	22	mm
Weight (Empty)	50.3	kg	75.1	kg

Mounting				
Recommended Inclination	20-70	°	20-70	°
Orientation	Vertical Only		Vertical Only	

Efficiency (Absorber Area)				
η_0	0.792		0.778	
a1	1.25	W/m ² K	0.91	W/m ² K
a2	0.0088	W/m ² K ²	0.0100	W/m ² K ²

Hydraulics				
Recommended Flow	160	l/h	240	l/h
Minimum Flow	120	l/h	180	l/h
Maximum Flow	300	l/h	450	l/h
Maximum Operating Pressure	8	Bar	8	Bar
Stagnation Temperature	183.6	°C	183.6	°C
Heat Transfer Fluid	Water/Propylene Glycol		Water/Propylene Glycol	

Materials of Manufacture				
Absorber	Copper		Copper	
Coating	Selective Coating		Selective Coating	
Absorbance	95	%	95	%
Emissivity	5	%	5	%
Mounting frame and clips	Stainless Steel, Aluminium, EPDM		Stainless Steel, Aluminium, EPDM	
Glass Transmission	92	%	92	%
Vacuum	<10 ⁻⁸	Bar	<10 ⁻⁸	Bar
Temperature Limitation	135	°C	135	°C
Quality Certification / Solar Keymark	Solar Keymark EN12975		Solar Keymark EN12975	

For further information please contact :

Kingspan Renewables Ltd
Balloo Crescent
Bangor BT19 7UP
U.K.

tel: +44 (0)28 9127 0411

fax: +44 (0)29 9127 0572

www.thermomax.co.uk