



COLLECTOR

ISOTHERM H

TUBES

TYPE	Harper grid
MANIFOLD TUBES	Copper 22 x 0.8 mm (UNE-EN 1057, UNE-EN 12165)
RISER TUBES	Copper 8 x 0.5 mm (UNE-EN 1057, UNE-EN 12165)
NUMBER OF RISER TUBES	16
DISTANCE BETWEEN RISER TUBES	125 mm
WELDING	Capillarity welding using copper, phosphorus and silver

SELECTIVE COATING

MATERIAL	Aluminium with selective coating using titanium oxide
DIMENSIONS	1250 x 2000 x 0.5 mm
ABSORPTANCE	0.95 ± 2%
EMITTANCE	0.05 ± 2%



ABSORBER

PLATE – TUBE JOINT	Laser welding
USEFUL ABSORBER AREA	2.5 m ²
CAPACITY	2.2 l
MAX. OPERATING PRESSURE	8 Kg / cm ²
TEST PRESSURE	16 Kg / cm ²
OPERATION WEIGHT	9.6 Kg
EMPTY WEIGHT	7.4 Kg

SOLAR GLASS	
TYPE	Solar tempered
THICKNESS	4 mm
IRON OXIDE CONTENT	< 0.05 %
DIMENSIONS	1274 x 2024 mm
TRANSMITTANCE	91 %
SEALING	Silicone and Thermoplastic rubber
INSULATION	
MATERIAL	Solar mineral wool
BACK THICKNESS	30 mm
CONDUCTIVITY	0.036 W / mK
BEHAVIOUR WITH WATER	Not absorbent (standard BS-2972)



CASING	
MATERIAL	Anodized Aluminium
DIMENSIONS	1334 x 2087 x 81 mm
GROSS AREA	2.78 m ²
WEIGHT	
OPERATION WEIGHT	56.2 Kg
EMPTY WEIGHT	54 Kg
OTHERS	
COLLECTOR EFFICIENCY EN 12975 (based on aperture area)	$\eta_0: 0.741;$ $k_1: 4.083 \text{ W / m}^2\text{K}$ $k_2: 0.007 \text{ W / m}^2\text{K}^2$
NOMINAL THERMAL POWER	1875 W
GUARANTEE	10 years
PACKAGING, N° COLLECTOR / PALLET	15 pcs.



REMARKS

- Recommended option: connection kit is composed of interconnection fittings, plugs and connection M3/4 for inlet/outlet.
- All specifications are subject to change without prior notice. For further details, please visit www.isofoton.com