

TECHNICAL DATA SHEET

Flat solar collector Pleion UNIKO21, consists of a large absorbent surface capable of capturing and transforming into heat, solar radiation. The frame is made of welded steel profiles, thick aluminum that confer increased stability to the structure, strength and protection to the deterioration, RAL7022 color. Aluminum absorber, welded to the copper circuit with laser technology. Internal circuit in a single harp copper equipped with horizontal discharge and return distributors with harp equipped with 10 vertical channels. Coverage of high-strength tempered glass, class U1 certified according to EN 12975-2.

Internal insulation in rock wool to ensure the insulation properties over time. Installation on a pitched roof, recessed, flat and vertical with triangular structure and mezzanine system for roofs with low slope. Connectable standard in series up to 8 collectors. On request we study specific solutions.

Hydraulic connections a 4 sleeves of 3/4 "M. It is necessary for connecting the Set base Hydra UNIKO21 (for single installation or the first collector, consisting of cap, immersion probe and seals) and Set Plus Hydra UNIKO21 (for series of two manifolds, consisting of 2 expansion joints with gaskets)

MEASUREMENTS (length x width x height)	[mm]	2016x1037x80
GROSS SURFACE AREA	[m ²]	2.09
APERTURE AREA	[m ²]	1.82
WEIGHT WHEN EMPTY	[kg]	35,1
FLUID CONTENT	[l]	1.00
MAX TEST PRESSURE	[bar]	10
INSULATION ROCK WOOL	[mm]	40 + 20 LAT.
TRANSMITTANCE COEFFICIENT a1	[W/m ² K]	3.334
TRANSMITTANCE COEFFICIENT a2	[W/m ² K]	0.020
OUTPUT η_0	[-]	80.8
ABSORPTION COEFFICIENT	[%]	95
EMISSION COEFFICIENT	[%]	<5
COEFFICIENT TRANSFER OF THE GLASS	[%]	91.6
CONNECTIONS	[Ø]	22
THICK GLASS	[mm]	3,2
STAGNATION TEMPERATURE	[°C]	204.9
TILT MINIMUM	[°]	15
TILT MAXIMUM	[°]	75
PEAK (MAX) POWER	[W]	1470
RECOMMENDED CAPACITY	[KSO7]	0.95

1037

Connection with thread
Ø 3/4 " - M with flat

Connection with thread
Ø 3/4 " - M with flat

Data plate

Sensor pocket
present inside the
KIT BASE IDRA
KSF26 installable
in the available
connections of the
collector

Connection with thread
Ø 3/4 " - M with flat

Connection with thread
Ø 3/4 " - M with flat

INSTALLATION IN VERTICAL

INSTALLATION IN HORIZONTAL

90

2018

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OGGETTO :

FLAT SOLAR COLLECTOR KSF26

RIFERIMENTO :

COMMITTENTE :

SCHEMA :

Scheda tecnica

DATA :

REVISIONE :

21/02/2017

S.B.

CONTROLLATO :

S.B.