

## EFFICIENCIES OF COSMOSOLAR SOLAR APPLIANCES

Report : SOLARKEYMARK SKM 10026, 2019 -02-07, EN12976-2

Date : 28/03/2019

### ANNUAL PERFORMANCE INDICATORS OF COSMOSOLAR SOLAR WATER HEATERS

TYPE	TANK	SOLAR COLLECTOR'S SURFACE (m <sup>2</sup> )	TOTAL SOLAR COLLECTOR'S SURFACE (m <sup>2</sup> )	DAILY SUPPLY OF HOT WATER (l/day)	ANNUAL RATE OF COVERING REQUESTED ENERGY (fsoI %)
<b>120/1,95</b>	GL120	1 x 1,95	1,95	140L	<b>79%</b>
<b>120/2,00</b>	GL120	1 x 2,00	2,00	140L	<b>80%</b>
<b>150/2,00</b>	GL150	1 x 2,00	2,00	140L	<b>80%</b>
<b>150/2,24</b>	GL150	1 x 2,24	2,24	140L	<b>84%</b>
<b>150/2,52</b>	GL150	1 x 2,52	2,52	140L	<b>86%</b>
<b>170/2,52</b>	GL170	1 x 2,52	2,52	140L	<b>88%</b>
<b>170/3,00</b>	GL170	2 x 1,50	3,00	140L	<b>89%</b>
<b>200/2,52</b>	GL200	1 x 2,52	2,52	200L	<b>79%</b>
<b>200/3,00</b>	GL200	2 x 1,50	3,00	200L	<b>83%</b>
<b>200/4,00</b>	GL200	2 x 2,00	4,00	200L	<b>89%</b>
<b>300/4,00</b>	GL300	2 x 2,00	4,00	300L	<b>81%</b>

DATA PARAMETERS : ATHENS GR

ANNUAL SOLAR RADIATION ON THE COLLECTOR (INCLINATION 45 °): 1736 kWh/m<sup>3</sup>

AVERAGE ANNUAL ENVIRONMENTAL TEMPERATURE Ta: 18,5 °C

AVERAGE ANNUAL NETWORK TEMPERATURE (COLD)Tc: 17,8 °C

WISHED HOT WATER TEMPERATURE: 45,0 °C