

## Product fiche

Group: Water heaters & storage tanks  
 Section: Solar devices  
 Reference: CDR 812/2013, annex IV, point 1

Date: 04.09.2015 V3

### Suppliers name or trademark:

HELIOAKMI S.A.

Informative section

### Suppliers model identifier:

Brand: HELIOAKMI S.A.  
 Type: (Solar) water heater  
 Model: SOL 120 KK x 2,00m<sup>2</sup>

### Technical parameters:

Description:	Symbol:	Value:	Unit:
Declared load profile:		L	- Annex VII, table 3
Water heating efficiency class (average climate):		0	- Annex II, point 1
Water heating energy efficiency (average climate):	$\eta_{wh} =$	99	% Annex VIII, point 3
Annual electricity consumption (average climate):	AEC =	1032	kWh Annex VIII, point 4
not implemented			
Thermostat temperature setting:		n.a.	°C
Sound power level:	$L_{wa} =$	15	dB Technical doc
Only off-peak hours operation:		n.a.	Yes/No
Special precautions:			
A pressure safety valve, and an electric thermostat must be fitted in the installation, to prevent overheating, unless they are incorporated in the appliance.			
Only applicable with smart control enabled:		n.a.	Yes/No
Water heating energy efficiency (colder climate):		93	% Annex VIII, point 3
Water heating energy efficiency (warmer climate):		116	% Annex VIII, point 3
Annual electricity consumption (colder climate):		1095	kWh Annex VIII, point 4
Annual electricity consumption (warmer climate):		881	kWh Annex VIII, point 4
Collector aperture area:	$A_{sol} =$	1,80	m <sup>2</sup> Technical doc
Zero loss collector efficiency:	$\eta_o =$	0,680	- Technical doc
First order heat loss coefficient:	$a_1 =$	4,75	W/(K.m <sup>2</sup> ) Technical doc
Second order heat loss coefficient:	$a_2 =$	0,013	W/(K <sup>2</sup> .m <sup>2</sup> ) Technical doc
Incidence angle modifier:	IAM =	0,82	- Technical doc
Storage nominal volume:	V =	110	litres Technical doc
Backup designated part of storage:	$V_{bu} =$	0	litres Technical doc
Pump power consumption:	$sol_{pump} =$	0	W Technical doc
Standby power consumption:	$Sol_{standby} =$	0,00	W Technical doc

Load profiles:

M  
L  
XL  
XXL

Label classes:

A  
B  
C  
D  
E  
F  
G