

## 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: SP 300 KK x 4,20m<sup>2</sup>

### Technical parameters:

Description:	Symbol:	Value:	Unit:
<i>Declared load profile:</i>		L	- Annex VII, table 3
<i>Water heating efficiency class (average climate):</i>		0	- Annex II, point 1
<i>Water heating energy efficiency (average climate):</i>	$\eta_{wh} =$	221	% Annex VIII, point 3
<i>Annual electricity consumption (average climate):</i>	AEC =	462	kWh Annex VIII, point 4
<i>not implemented</i>			
<i>Thermostat temperature setting:</i>		n.a.	°C
<i>Sound power level:</i>	$L_{wa} =$	15	dB Technical doc
<i>Only off-peak hours operation:</i>		n.a.	Yes/No
<i>Special precautions:</i>			
<i>A pressure safety valve, and an electric thermostat must be fitted in the installation, to prevent overheating, unless they are incorporated in the appliance.</i>			
<i>Only applicable with smart control enabled.</i>		n.a.	Yes/No
<i>Water heating energy efficiency (colder climate):</i>		160	% Annex VIII, point 3
<i>Water heating energy efficiency (warmer climate):</i>		445	% Annex VIII, point 3
<i>Annual electricity consumption (colder climate):</i>		640	kWh Annex VIII, point 4
<i>Annual electricity consumption (warmer climate):</i>		230	kWh Annex VIII, point 4
<i>Collector aperture area:</i>	$A_{sol} =$	3.60	m <sup>2</sup> Technical doc
<i>Zero loss collector efficiency:</i>	$\eta_o =$	0.750	- Technical doc
<i>First order heat loss coefficient:</i>	$a_1 =$	3.36	W/(K.m <sup>2</sup> ) Technical doc
<i>Second order heat loss coefficient:</i>	$a_2 =$	0.024	W/(K <sup>2</sup> .m <sup>2</sup> ) Technical doc
<i>Incidence angle modifier:</i>	IAM =	0.89	- Technical doc
<i>Storage nominal volume:</i>	V =	301	litres Technical doc
<i>Backup designated part of storage:</i>	$V_{bu} =$	0	litres Technical doc
<i>Pump power consumption:</i>	$sol_{pump} =$	0	W Technical doc
<i>Standby power consumption:</i>	$Sol_{standby} =$	0.00	W Technical doc

Load profiles:

M  
L  
XL  
XXL

Label classes:

A  
B  
C  
D  
E  
F  
G