

## 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 6,30m<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):	$\eta_{wh} =$	145	%	Annex VIII, point 3
Annual electricity consumption (average climate):	AEC =	708	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):		120	%	Annex VIII, point 3
Water heating energy efficiency (warmer climate):		221	%	Annex VIII, point 3
Annual electricity consumption (colder climate):		857	kWh	Annex VIII, point 4
Annual electricity consumption (warmer climate):		464	kWh	Annex VIII, point 4
Collector aperture area:	$A_{sol} =$	5,40	m <sup>2</sup>	Technical doc
Zero loss collector efficiency:	$\eta_o =$	0,750	-	Technical doc
First order heat loss coefficient:	$a_1 =$	3,36	W/(K.m <sup>2</sup> )	Technical doc
Second order heat loss coefficient:	$a_2 =$	0,024	W/(K <sup>2</sup> .m <sup>2</sup> )	Technical doc
Incidence angle modifier:	IAM =	0,89	-	Technical doc
Storage nominal volume:	V =	301	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