

## 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 160 KK x 2,10m<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):	$\eta_{wh} =$	141	%	Annex VIII, point 3
Annual electricity consumption (average climate):	AEC =	726	kWh	Annex VIII, point 4
not implemented				
Thermostat temperature setting:		n.a.	°C	
Sound power level:	L <sub>wa</sub> =	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):		118	%	Annex VIII, point 3
Water heating energy efficiency (warmer climate):		204	%	Annex VIII, point 3
Annual electricity consumption (colder climate):		866	kWh	Annex VIII, point 4
Annual electricity consumption (warmer climate):		502	kWh	Annex VIII, point 4
Collector aperture area:	A <sub>sol</sub> =	1.80	m <sup>2</sup>	Technical doc
Zero loss collector efficiency:	$\eta_o =$	0.750	-	Technical doc
First order heat loss coefficient:	a <sub>1</sub> =	3.36	W/(K.m <sup>2</sup> )	Technical doc
Second order heat loss coefficient:	a <sub>2</sub> =	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 =	140	litres	Technical doc
Backup designated part of storage:	V <sub>bu</sub> =	0	litres	Technical doc
Pump power consumption:	solpump =	0	W	Technical doc
Standby power consumption:	Solstandby =	0.00	W	Technical doc

Load profiles:

M  
L  
XL  
XXL

Label classes:

A  
B  
C  
D  
E  
F  
G