

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 350 KK x 4,20m²

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>	$\eta_{wh} =$	218	% Annex VIII, point 3
<i>Annual electricity consumption (average climate):</i>	AEC =	471	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>		155	% Annex VIII, point 3
<i>Water heating energy efficiency (warmer climate):</i>		437	% Annex VIII, point 3
<i>Annual electricity consumption (colder climate):</i>		659	kWh Annex VIII, point 4
<i>Annual electricity consumption (warmer climate):</i>		234	kWh Annex VIII, point 4
<i>Collector aperture area:</i>	A _{sol} =	3.60	m ² 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 ²) Technical doc
<i>Second order heat loss coefficient:</i>	a ₂ =	0.024	W/(K ² .m ²) Technical doc
<i>Incidence angle modifier:</i>	IAM =	0.89	- Technical doc
<i>Storage nominal volume:</i>	V =	325	litres Technical doc
<i>Backup designated part of storage:</i>	V _{bu} =	0	litres Technical doc
<i>Pump power consumption:</i>	solpump =	0	W Technical doc
<i>Standby power consumption:</i>	Solstandby =	0.00	W Technical doc

Load profiles:

M
L
XL
XXL

Label classes:

A
B
C
D
E
F
G