Product fiche

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

Date: 04.09.2015 V3

Supliers name or trademark: *Informative section*

HELIOAKMI S.A.

Suppliers model identifier:

Brand:	HELIOAKMI S.A.
Type:	(Solar) water heater
Model:	SOL 160 KK x 2,50m²

Technical parameters:

Description:	Symbol:	Value:	Unit:		
Declared load profile:		L	-	Annex VII, table 3	Load profiles:
Water heating efficiency class (average climate):		0	-	Annex II, point 1	M
Water heating energy efficiency (average climate):	η_{wh} =	145	%	Annex VIII, point 3	L
Annual electricity consumption (average climate):	AEC =	707	kWh	Annex VIII, point 4	XL
not implemented					XXL
Thermostat temperature setting:		n.a.	°C		
Sound power level:	*Lwa =*	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		Label classes:
Water heating energy efficiency (colder climate):		120	%	Annex VIII, point 3	
Water heating energy efficiency (warmer climate):		212	%	Annex VIII, point 3	A
Annual electricity consumption (colder climate):		853	kWh	Annex VIII, point 4	B
Annual electricity consumption (warmte climate):		482	kWh	Annex VIII, point 4	C
Collector aperture area:	A_{sol} =	2,32	m^2	Technical doc	D
Zero loss collector efficiency:	η_o =	0,690	-	Technical doc	E
First order heat loss coefficient:	a_1 =	5,05	$W/(K.m^2)$	Technical doc	F
Second order heat loss coefficient:	a_2 =	0,007	$W/(K^2.m^2)$	Technical doc	G
Incidence angle modifier:	*IAM =*	0,83	-	Technical doc	
Storage nominal volume:	*V =*	140	litres	Technical doc	
Backup designated part of storage:	*Vbu =*	0	litres	Technical doc	
Pump power consumption:	*solpump =*	0	W	Technical doc	
Standby power consumption:	*Solstandby =*	0,00	W	Technical doc	