

Product fiche

PF-WH-SD

Group: Water heaters & storage tanks
 Section: Solar devices
 Reference: CDR 812/2013, annex IV, point 3

Date: 31/12/2022

Suppliers name or trademark:

CICERO HELLAS S.A.

Suppliers model identifier:

Brand:	CALPAK
Type:	MARK 5
Model:	300/4.2

Technical parameters:

Symbol:	Value:	Unit:
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Collector aperture area:	$A_{sol} = 1,96 \times 2$	m ²
Zero loss collector efficiency:	$\eta_o = 0,780$	
First order heat loss coefficient:	$a_1 = 3,75$	W/(m ² K)
Second order heat loss coefficient:	$a_2 = 0,016$	W/(m ² K ²)
Incidence angle modifier:	IAM = 0,96	
Storage nominal volume:	V = 295	litres
Backup designated part of storage:	Vbu = N/A	litres

Load profile: M L XL XXL

Annual non-solar heat contribution Average climate (Strasbourg)	$Q_{nonsol} =$	279	793	1711	2604	kWh
Annual non-solar heat contribution Colder climate (Helsinki)	$Q_{nonsol} =$	577	1248	2342	3331	kWh
Annual non-solar heat contribution Warmer climate (Athens)	$Q_{nonsol} =$	34	232	757	1421	kWh
Pump power consumption:	$solpump =$	N/A	W			
Standby power consumption:	$Solstandby =$	N/A	W			
Annual auxiliary electricity consumption:	$Qaux =$	N/A	kWh			