

Product fiche

PF-WH-SD

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

Date: 31/12/2014

3.1 (a) **Suppliers name or trademark:**

CICERO HELLAS S.A.

3.1 (b) **Suppliers model identifier:**

Brand: CALPAK
 Type: VTN
 Model: 12VTN

3.1 (c-l) **Technical parameters:**

Symbol:	Value:	Unit:
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3.1 (c)	Collector aperture area:	$A_{sol} =$	1,96	m^2	
3.1 (d)	Zero loss collector efficiency:	$\eta_o =$	0,600		
3.1 (e)	First order heat loss coefficient:	$a_1 =$	2,71	$W/(m^2K)$	
3.1 (f)	Second order heat loss coefficient:	$a_2 =$	0,000	$W/(m^2K^2)$	
3.1 (g)	Incidence angle modifier:	$IAM =$	0,99		
3.1 (h)	Storage nominal volume:	$V =$	N/A	litres	
	Backup designated part of storage:	$V_{bu} =$	N/A	litres	
	Load profile:	M	L	XL	XXL
3.1 (i)	Annual non-solar heat contribution	$Q_{nonsol} =$	N/A	N/A	N/A
3.1 (j)	Pump power consumption:	$sol_{pump} =$	N/A	W	
3.1 (k)	Standby power consumption:	$Sol_{standby} =$	N/A	W	
3.1 (l)	Annual auxiliary electricity consumption:	$Q_{aux} =$	N/A	kWh	