

<b>Product fiche</b>						PF-WH-SD	
Group:		Water heaters & storage tanks					
Section:		Solar devices					
Reference:		CDR 812/2013, annex IV, point 3				Date:	12/31/2014
3.1 (a) Suppliers name or trademark:		<b>CICERO HELLAS S.A.</b>					
3.1 (b) Suppliers model identifier:							
Brand:		CALPAK					
Type:		VTN					
Model:		12VTS					
3.1 (c-l) Technical parameters:							
		<b>Symbol:</b>	<b>Value:</b>	<b>Unit:</b>			
3.1 (c)	Collector aperture area:	$A_{sol}$	1.96	m <sup>2</sup>			
3.1 (d)	Zero loss collector efficiency:	$\eta_0$	0.508				
3.1 (e)	First order heat loss coefficient:	$a_1$	0.84	W/(m <sup>2</sup> K)			
3.1 (f)	Second order heat loss coefficient:	$a_2$	0.004	W/(m <sup>2</sup> K <sup>2</sup> )			
3.1 (g)	Incidence angle modifier:	$IAM$	1.14				
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	N/A	kWh
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			
Compliments: Solar Certification Fund (4C16-EcoDes-12)		vAConsult 2014					