

# 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:	ES8
Model:	200ES8

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

Symbol:	Value:	Unit:
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3.1 (c) Collector aperture area:	$A_{sol} = 1,83$	$m^2$	
3.1 (d) Zero loss collector efficiency:	$\eta_o = 0,764$		
3.1 (e) First order heat loss coefficient:	$a_1 = 3,95$	$W/(m^2K)$	
3.1 (f) Second order heat loss coefficient:	$a_2 = 0,008$	$W/(m^2K^2)$	
3.1 (g) Incidence angle modifier:	$IAM = 0,92$		
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	