

Product fiche

PF-WH-SD

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

Date: 20/2/2020

3.1 (a) Suppliers name or trademark:

CICERO HELLAS S.A.

3.1 (b) Suppliers model identifier:

Brand: CALPAK
 Type: MARK 4
 Model: 160/2.1

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:	$\eta_o = 0,755$			
3.1 (e)	First order heat loss coefficient:	$a_1 = 3,89$	$W/(m^2K)$		
3.1 (f)	Second order heat loss coefficient:	$a_2 = 0,013$	$W/(m^2K^2)$		
3.1 (g)	Incidence angle modifier:	$IAM = 0,89$			
3.1 (h)	Storage nominal volume:	$V = 151$	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	$Q_{nonsol} = 612$	1599	3148	4330 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		