

Product fiche

Group: Water heaters & storage tanks

Date: 26-09-2017

Section: Solar Devices

Reference: CDR 812/2013, annex IV, point 3

Suppliers name or trademark

Nobel

Suppliers model identifier

Type: Solar water heater

Model: Aelios CUS 120/2

Technical parameters

	Symbol:	Value:	Unit:		Symbol	Load profile	Value	Unit
Collector aperture area:	A_{sol} =	1.88	m ²					
Zero loss collector efficiency:	η_0 =	73	%	Annual non-solar heat contribution:	Q_{nonsol} =	M	568	kWh
First order heat loss coefficient:	a_1 =	3.75	W/(m ² K)		Q_{nonsol} =	L	1568	kWh
Second order heat loss coefficient:	a_2 =	0.015	W/(m ² K ²)		Q_{nonsol} =	XL	3145	kWh
Incidence angle modifier:	IAM =	0.85		Pump power consumption	Solpump =		0	W
Storage nominal volume:	V =	114	litres	Standby power consumption	Solstandby =		0	W
Backup designated part of storage:	V _{bu} =	74	litres	Annual auxiliary electricity consumption	Q _{aux} =		0	kWh