

Product fiche

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

Date: 26-09-2017

Suppliers name or trademark

Nobel International EAD

Suppliers model identifier

Type: **Solar water heater**

Model: **Aelios CUS 200/4**

Technical parameters

	Symbol:	Value:	Unit:		Symbol	Load profile	Value	Unit
Collector aperture area:	A_{sol} =	3.76	m ²					
Zero loss collector efficiency:	η_0 =	73	%	Annual non-solar heat contribution:	Q_{nonsol} =	M	345	kWh
First order heat loss coefficient:	a_1 =	3.75	W/(m ² K)		Q_{nonsol} =	L	948	kWh
Second order heat loss coefficient:	a_2 =	0.015	W/(m ² K ²)		Q_{nonsol} =	XL	2102	kWh
Incidence angle modifier:	IAM =	0.85		Pump power consumption	Sol_{pump} =		0	W
Storage nominal volume:	V =	191	litres	Standby power consumption	$Sol_{standby}$ =		0	W
Backup designated part of storage:	V_{bu} =	120	litres	Annual auxiliary electricity consumption	Q_{aux} =		0	kWh