

Product fiche

Group: Water heaters & storage tanks

Date: 14-09-2015

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 300/4.0

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	340	kWh
First order heat loss coefficient:	a_1 =	3.75	$W/(m^2K)$		Q_{nonsol} =	L	924	kWh
Second order heat loss coefficient:	a_2 =	0.015	$W/(m^2K^2)$		Q_{nonsol} =	XL	1992	kWh
Incidence angle modifier:	IAM =	0.85		Pump power consumption	Solpump =		0	W
Storage nominal volume:	V =	293	litres	Standby power consumption	Solstandby =		0	W
Backup designated part of storage:	V _{bu} =	183	litres	Annual auxiliary electricity consumption	Q _{aux} =		0	kWh