

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 International EAD

Suppliers model identifier

Type: Solar water heater

Model: Aelios CUS 160/2

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	551	kWh
First order heat loss coefficient:	a_1 =	3.75	W/(m ² K)		Q_{nonsol} =	L	1476	kWh
Second order heat loss coefficient:	a_2 =	0.015	W/(m ² K ²)		Q_{nonsol} =	XL	3008	kWh
Incidence angle modifier:	IAM =	0.85		Pump power consumption	Solpump =		0	W
Storage nominal volume:	V =	151	litres	Standby power consumption	Solstandby =		0	W
Backup designated part of storage:	V _{bu} =	94	litres	Annual auxiliary electricity consumption	Q _{aux} =		0	kWh