

# Product fiche

**Group:** Water heaters & storage tanks

**Date:** 14-09-2017

**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 160/3

## Technical parameters

	Symbol:	Value:	Unit:		Symbol	Load profile	Value	Unit
Collector aperture area:	$A_{sol}$ =	2.80	$m^2$					
Zero loss collector efficiency:	$\eta_0$ =	73	%	Annual non-solar heat contribution:	$Q_{nonsol}$ =	M	472	kWh
First order heat loss coefficient:	$a_1$ =	3.75	$W/(m^2K)$		$Q_{nonsol}$ =	L	1275	kWh
Second order heat loss coefficient:	$a_2$ =	0.015	$W/(m^2K^2)$		$Q_{nonsol}$ =	XL	2690	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