

# Product fiche

**Group:** Water heaters & storage tanks

**Date:** 17-02-2016

**Section:** Solar Devices

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

## Suppliers name or trademark

Nobel

## Suppliers model identifier

Type: Solar water heater

Model: Classic 120/2

## Technical parameters

	Symbol:	Value:	Unit:		Symbol	Load profile	Value	Unit
Collector aperture area:	$A_{sol}$ =	1.82	$m^2$					
Zero loss collector efficiency:	$\eta_0$ =	76	%	Annual non-solar heat contribution:	$Q_{nonsol}$ =	M	602	kWh
First order heat loss coefficient:	$a_1$ =	4.54	$W/(m^2K)$		$Q_{nonsol}$ =	L	1578	kWh
Second order heat loss coefficient:	$a_2$ =	0.012	$W/(m^2K^2)$		$Q_{nonsol}$ =	XL	3137	kWh
Incidence angle modifier:	IAM =	0.94		Pump power consumption	Solpump =		0	W
Storage nominal volume:	V =	114	litres	Standby power consumption	Solstandby =		0	W
Backup designated part of storage:	Vbu =	74	litres	Annual auxiliary electricity consumption	Qaux =		0	kWh