

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 300/5.2

Technical parameters

	Symbol:	Value:	Unit:		Symbol	Load profile	Value	Unit
Collector aperture area:	A_{sol} =	4.66	m^2					
Zero loss collector efficiency:	η_0 =	76	%	Annual non-solar heat contribution:	Q_{nonsol} =	M	544	kWh
First order heat loss coefficient:	a_1 =	4.54	$W/(m^2K)$		Q_{nonsol} =	L	1010	kWh
Second order heat loss coefficient:	a_2 =	0.012	$W/(m^2K^2)$		Q_{nonsol} =	XL	1841	kWh
Incidence angle modifier:	IAM =	0.94		Pump power consumption	Solpump =		0	W
Storage nominal volume:	V =	291	litres	Standby power consumption	Solstandby =		0	W
Backup designated part of storage:	Vbu =	183	litres	Annual auxiliary electricity consumption	Qaux =		0	kWh