

System's Product Fiche

Group: Water heaters & storage tanks
Section: Solar devices
Reference: According to ISO 9806:2013

Date: 07/12/2021

Supplier's name
 ARISTON THERMO SpA

Supplier's model identifier
 Type: Solar water heater
 Model: KAIROS THERMO GR2 200-1
 Details: (200L /1 x ARISTON Collector GR2)

Technical Parameters				Results (calculation's method SolCal:2013)				
	Symbol	Value	Unit		Symbol	Load profile	Value	Unit
Collector's aperture area:	Aa	1.80	m ²	Annual non-solar heat contribution	Qnonsol	M	1025	kWh
Zero loss collector's efficiency:	η_0	0.77	%		Qnonsol	L	2011	kWh
First order heat loss coefficient:	a ₁	4.24	W/(m ² K)		Qnonsol	XL	3483	kWh
Second order heat loss coefficient:	a ₂	0.019	W/(m ² K ²)		Qnonsol	XXL	4620	kWh
Incidence angle modifier:	IAM	0.95	-	Pump power consumption	Solpump		0	W
Storage nominal volume:	V	190	Liters	Standby power consumption	Solstandby		0	W
Standing loss:	S	68	Watt	Annual auxiliary electricity consumption	Qaux		0	kWh