

## 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 150-1  
 Details: 150L /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 <sup>2</sup>	Annual non-solar heat contribution	Qnonsol	M	1026	kWh
Zero loss collector's efficiency:	$\eta_0$	0.77	%		Qnonsol	L	2026	kWh
First order heat loss coefficient:	a <sub>1</sub>	4.24	W/(m <sup>2</sup> K)		Qnonsol	XL	3507	kWh
Second order heat loss coefficient:	a <sub>2</sub>	0.019	W/(m <sup>2</sup> K <sup>2</sup> )		Qnonsol	XXL	4647	kWh
Incidence angle modifier:	IAM	0.95	-	Pump power consumption	Solpump		0	W
Storage nominal volume:	V	136	Liters	Standby power consumption	Solstandby		0	W
Standing loss:	S	65	Watt	Annual auxiliary electricity consumption	Qaux		0	kWh