





<b>Summary of</b>	<b>EN12976-2</b>	<b>SOLAR SYSTEM test results</b>	<b>Licence Number</b>	<b>011-7S2886 A</b>						
<b>Annex to Solar KEYMARK Certificate</b>			<b>Issued</b>	<b>2023-09-01</b>						
<b>Company</b>	Ariston S.p.A.		<b>Country</b>	Italy						
<b>Brand (optional)</b>	ELCO		<b>Website</b>	<a href="http://www.ariston.com">www.ariston.com</a>						
<b>Street</b>	Via A. Merloni 45		<b>E-mail</b>	<a href="mailto:maria.ciavatta@ariston.com">maria.ciavatta@ariston.com</a>						
<b>Postal Code</b>	60044	Fabriano	<b>Tel. / Fax</b>	+39	02763209 -1 / -40					
<b>System classification</b>										
<b>Application(s)</b>	Hot water									
<b>Solar loop, circulation principle</b>	Thermosyphon									
<b>Direct solar loop / heat exchanger</b>	Heat exchanger									
<b>Open, vented or closed solar loop</b>	Closed									
<b>Drain back/down</b>	Always filled (no drain)									
<b>Store location</b>	Outdoor									
<b>Store orientation (of main axis)</b>	Horizontal									
<b>Type of auxiliary heating (internal back-up heat)</b>	Electric									
<b>If other auxiliary/internal back-up heating, please specify:</b>										
<b>Solar+supplementary OR Solar-only / Solar pre-heat</b>	Solar only / Solar preheat									
<b>Collector(s)</b>			<b>Heat store(s)</b>							
<b>Company</b>	Ariston S.p.A		<b>Company</b>	Ariston S.p.A						
<b>Keymark lic.no. if available</b>	011-7S2727 F		<b>Keymark lic.no. if available</b>	-						
<b>Collector name</b>	<b>Per module</b>			<b>Store name</b>	<b>Total nominal volume</b>	<b>Gross height</b>	<b>Gross width</b>	<b>Gross depth</b>	<b>Auxiliary heated volume</b>	<b>Electrical aux. heating power</b>
	<b>Gross Area (Ag)</b>	<b>Gross length</b>	<b>Gross width</b>							
SOLATRON CF2.0-1 V	2.01	2004	1004	Solar Eneveled Tank 150 L	144	1285	500	-	-	3.5
				Solar Eneveled Tank 200 L	190	1285	580	-	-	2.0
				Solar Eneveled Tank 300 L	276	1795	580	-	-	2.0
<b>Solar loop controller</b>			<b>Solar loop fluid</b>							
<b>Keymark lic.no. if available</b>	-		<b>Recommended/required</b>	Recommended						
<b>Company</b>	-		<b>Company</b>	-						
<b>Name</b>	-		<b>Name</b>	water + propylene glycol						
<b>Solar loop pump - power range</b>	- W	to	- W	<b>Freezing point</b>	-15	°C				
<b>System family overview</b>										
<b>Collector name</b>	<b>Number of collectors in each configuration for each store</b>									
	<b>Store name</b>									
	Solar Eneveled Tank 150 L	Solar Eneveled Tank 200 L		Solar Eneveled Tank 300 L						
SOLATRON CF2.0-1 V	1	1	2	2						
<b>Testing Laboratory</b>	TÜV Rheinland Solar GmbH									
<b>Website</b>	<a href="http://www.tuv.com/solar">www.tuv.com/solar</a>									
<b>Test report id. number</b>	21241271.004Rev1 // 21249351.001									
<b>Date of test report</b>	2018-09-17 // 2020-03-30									
<b>Comments of test lab</b>										
										 Genau. Richtig.  TÜV Rheinland Solar GmbH Am Grauer Stein 51105 Köln



Summary of	EN12976-2	test results	Certification No.	011-7S2886 A
Annex to Solar KEYMARK Certificate			Issued	2023-09-01

Company	Ariston S.p.A.		Country	Italy
Brand (optional)	ELCO		Website	www.ariston.com
Street	Via A. Merloni 45		E-mail	maria.ciavatta@ariston.com
Postal Code	60044	Fabriano	Tel. / Fax	+39 02763209 -1 / -40

## System family overview

Collector name	For each storage and collector size, give number of collectors												
	Solar Eneveled Tank 150 L			Solar Eneveled Tank 200 L			Solar Eneveled Tank 300 L						
SOLATRON CF2.0-1 V	1			1	2				2				

Name of system configuration	SOLATRON CF-GR 150/1 TR/ TT/ TT DT				
Collector name	SOLATRON CF2.0-1	No. Collectors	1	Storage name	Solar Eneveled Tank 150 L

## Calculated annual results for "solar-only / preheat system"

Location	Qd,sh MJ/y	Daily drawoff 110 l				Daily drawoff 140 l				Daily drawoff 170 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
		MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE	0	6150	2990	-	49	7821	3406	-	44	9492	3595	-	38
WürzburgDE	0	5897	3040	-	52	7506	3532	-	47	9114	3784	-	42
Davos CH	0	6654	4352	-	65	8483	4920	-	58	10281	5109	-	50
Athens GR	0	4573	3721	-	82	5834	4447	-	76	7064	4920	-	70

## Perf. indicators for the table above

Qd,sh	MJ/y	Not relevant for solar domestic hot water system
Qd	MJ/y	Annual heat demand for domestic hot water
QL	MJ/y	Annual heat energy delivered by the solar system
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)
$f_{sol}=Q_L/Q_d$	-	Solar fraction

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR		
	G		1 157	1 230	1 684	1 736	-
T <sub>a,ave</sub>	°C	7.5	9.0	3.2	18.5	-	
T <sub>c,ave</sub>	°C	8.5	10.0	5.4	17.8	-	
± ΔT <sub>c</sub>		6.4	3.0	0.8	7.4	-	

G	kWh/m <sup>2</sup>	Annual irradiation South, 45°
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>
Th	45 °C	Desired hot water temperature (mixing valve temperature).

Max. operating press. - collector side	150	kPa	Max. operating press. - tank side	1 000	kPa
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Testing Laboratory	TÜV Rheinland Solar GmbH
Website	www.tuv.com/solar
Test report id. number	21241271.004Rev1 // 21249351.001
Date of test report	2018-09-17 // 2020-03-30
Test method	ISO 9459-5 (DST)

Comments of test lab	
No comments	



<b>Summary of</b>	<b>EN12976-2</b>	<b>test results</b>	<b>Certification No.</b>	<b>011-7S2886 A</b>
<b>Annex to Solar KEYMARK Certificate</b>			<b>Issued</b>	<b>2023-09-01</b>

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<b>Postal Code</b>	60044	Fabriano	<b>Tel. / Fax</b>	+39 02763209 -1 / -40

**System family overview**

Collector name	For each storage and collector size, give number of collectors			
	Solar Eneveled Tank 150 L	Solar Eneveled Tank 200 L	Solar Eneveled Tank 300 L	
SOLATRON CF2.0-1 V	1	1 2	2	

**Name of system configuration** SOLATRON CF-GR 200/1 TR/ TT/ TT DT

<b>Collector name</b>	SOLATRON CF2.0-1	<b>No. Collectors</b>	1	<b>Storage name</b>	Solar Eneveled Tank 200 L
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**Calculated annual results for "solar-only / preheat system"**

Location	Qd,sh MJ/y	Daily drawoff 170 l				Daily drawoff 200 l				Daily drawoff 250 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
		MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE	0	9492	3721	-	39	11164	3910	-	35	13939	4037	-	29
WürzburgDE	0	9114	3910	-	43	10691	4163	-	39	13371	4289	-	32
Davos CH	0	10281	5267	-	51	12110	5519	-	46	15137	5645	-	37
Athens GR	0	7064	5046	-	71	8326	5519	-	66	10407	5992	-	58

**Perf. indicators for the table above**


Qd,sh	MJ/y	Not relevant for solar domestic hot water system
Qd	MJ/y	Annual heat demand for domestic hot water
QL	MJ/y	Annual heat energy delivered by the solar system
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)
$f_{sol} = Q_L / Q_d$	-	Solar fraction

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR		
	G	1 157	1 230	1 684	1 736	-	
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5	-	
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8	-	
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4	-	

G	kWh/m <sup>2</sup>	Annual irradiation South, 45°
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>
Th	45 °C	Desired hot water temperature (mixing valve temperature).

<b>Max. operating press. - collector side</b>	150	kPa	<b>Max. operating press. - tank side</b>	1 000	kPa
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<b>Testing Laboratory</b>	TÜV Rheinland Solar GmbH
<b>Website</b>	www.tuv.com/solar
<b>Test report id. number</b>	21241271.004Rev1 // 21249351.001
<b>Date of test report</b>	2018-09-17 // 2020-03-30
<b>Test method</b>	ISO 9459-5 (DST)

<b>Comments of test lab</b>	No comments
	

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24

<b>Summary of</b>	<b>EN12976-2</b>	<b>test results</b>	<b>Certification No.</b>	<b>011-7S2886 A</b>
<b>Annex to Solar KEYMARK Certificate</b>			<b>Issued</b>	<b>2023-09-01</b>

<b>Company</b>	Ariston S.p.A.		<b>Country</b>	Italy
<b>Brand (optional)</b>	ELCO		<b>Website</b>	www.ariston.com
<b>Street</b>	Via A. Merloni 45		<b>E-mail</b>	maria.ciavatta@ariston.com
<b>Postal Code</b>	60044	Fabriano	<b>Tel. / Fax</b>	+39 02763209 -1 / -40

**System family overview**

Collector name	For each storage and collector size, give number of collectors			
	Solar Eneveled Tank 150 L	Solar Eneveled Tank 200 L	Solar Eneveled Tank 300 L	
SOLATRON CF2.0-1 V	1	1 2	2	

<b>Name of system configuration</b>	SOLATRON CF-GR 200/2 TR/ TT/ TT DT		
<b>Collector name</b>	SOLATRON CF2.0-1	<b>No. Collectors</b>	2
<b>Storage name</b>	Solar Eneveled Tank 200 L		

**Calculated annual results for "solar-only / preheat system"**

Location	Q <sub>d,sh</sub> MJ/y	Daily drawoff 170 l				Daily drawoff 200 l				Daily drawoff 250 l			
		Q <sub>d,hw</sub> MJ/y	Q <sub>L</sub> MJ/y	Q <sub>par</sub> MJ/y	f <sub>sol</sub> %	Q <sub>d,hw</sub> MJ/y	Q <sub>L</sub> MJ/y	Q <sub>par</sub> MJ/y	f <sub>sol</sub> %	Q <sub>d,hw</sub> MJ/y	Q <sub>L</sub> MJ/y	Q <sub>par</sub> MJ/y	f <sub>sol</sub> %
		Stockholm SE	0	9492	5267	-	55	11164	5803	-	52	13939	6339
WürzburgDE	0	9114	5267	-	58	10691	5897	-	55	13371	6559	-	49
Davos CH	0	10281	7821	-	76	12110	8578	-	71	15137	9303	-	62
Athens GR	0	7064	6213	-	88	8326	7033	-	85	10407	8136	-	78

**Perf. indicators for the table above**


Q <sub>d,sh</sub>	MJ/y	Not relevant for solar domestic hot water system
Q <sub>d</sub>	MJ/y	Annual heat demand for domestic hot water
Q <sub>L</sub>	MJ/y	Annual heat energy delivered by the solar system
Q <sub>par</sub>	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)
f <sub>sol</sub> =Q <sub>L</sub> /Q <sub>d</sub>	-	Solar fraction

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR		
	G	1 157	1 230	1 684	1 736	-	
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5	-	
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8	-	
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4	-	

G	kWh/m <sup>2</sup>	Annual irradiation South, 45°
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>
T <sub>h</sub>	45 °C	Desired hot water temperature (mixing valve temperature).

<b>Max. operating press. - collector side</b>	150	kPa	<b>Max. operating press. - tank side</b>	1 000	kPa
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<b>Testing Laboratory</b>	TÜV Rheinland Solar GmbH
<b>Website</b>	www.tuv.com/solar
<b>Test report id. number</b>	21241271.004Rev1 // 21249351.001
<b>Date of test report</b>	2018-09-17 // 2020-03-30
<b>Test method</b>	ISO 9459-5 (DST)

<b>Comments of test lab</b>	The System configuration SOLATRON CF-GR 200/2 TR/ TT/ TT DT is equipped with a PT-valve to prevent overheating.
	

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24



Summary of	EN12976-2	test results	Certification No.	011-7S2886 A
Annex to Solar KEYMARK Certificate			Issued	2023-09-01

Company	Ariston S.p.A.		Country	Italy	
Brand (optional)	ELCO		Website	www.ariston.com	
Street	Via A. Merloni 45		E-mail	maria.ciavatta@ariston.com	
Postal Code	60044	Fabriano	Tel. / Fax	+39 02763209 -1 / -40	

## System family overview

Collector name	For each storage and collector size, give number of collectors												
	Solar Eneveled Tank 150 L			Solar Eneveled Tank 200 L			Solar Eneveled Tank 300 L						
SOLATRON CF2.0-1 V	1			1	2				2				

Name of system configuration SOLATRON CF-GR 300/2 TR/ TT/ TT DT

Collector name	SOLATRON CF2.0-1	No. Collectors	2	Storage name	Solar Eneveled Tank 300 L
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## Calculated annual results for "solar-only / preheat system"

Location	Qd,sh MJ/y	Daily drawoff 250 l				Daily drawoff 300 l				Daily drawoff 400 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
		MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE	0	13939	6717	-	48	16746	7222	-	43	22327	7632	-	34
WürzburgDE	0	13371	6875	-	51	16052	7537	-	47	21413	8042	-	38
Davos CH	0	15137	9808	-	65	18165	10501	-	58	24220	10817	-	45
Athens GR	0	10407	8420	-	81	12488	9492	-	76	16651	10785	-	65

## Perf. indicators for the table above

Qd,sh	MJ/y	Not relevant for solar domestic hot water system
Qd	MJ/y	Annual heat demand for domestic hot water
QL	MJ/y	Annual heat energy delivered by the solar system
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)
$f_{sol}=Q_L/Q_d$	-	Solar fraction

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR		
	G	1 157	1 230	1 684	1 736	-	
T <sub>a,ave</sub>	7.5	9.0	3.2	18.5	-		
T <sub>c,ave</sub>	8.5	10.0	5.4	17.8	-		
± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4	-		

G	kWh/m <sup>2</sup>	Annual irradiation South, 45°
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>
Th	45 °C	Desired hot water temperature (mixing valve temperature).

Max. operating press. - collector side 150 kPa Max. operating press. - tank side 1 000 kPa

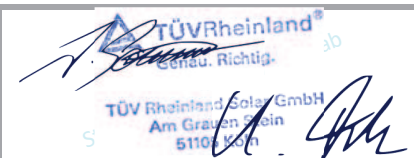
Testing Laboratory	TÜV Rheinland Solar GmbH
Website	www.tuv.com/solar
Test report id. number	21241271.004Rev1 // 21249351.001
Date of test report	2018-09-17 // 2020-03-30
Test method	ISO 9459-5 (DST)

Comments of test lab	
No comments	

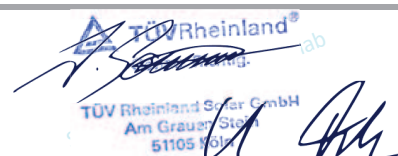
TÜVRheinland®  
 Richtig.  
 TÜV Rheinland Solar GmbH  
 Am Grauen Stein  
 51105 Köln  
 Version 4.5, 2017-10-24

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Brand (optional)	ELCO		Website	www.ariston.com
Street	Via A. Merloni 45		E-mail	maria.ciavatta@ariston.com
Postal Code	60044	Fabriano	Tel. / Fax	+39 02763209 -1 / -40
<b>System family overview</b>				
<b>For each storage and collector size, give number of collectors</b>				
Collector name	Solar Enemeled Tank 150 L	Solar Enemeled Tank 200 L	Solar Enemeled Tank 300 L	
SOLATRON CF2.0-1 V	1	1 2	2	
<b>Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013</b>				
Name of system configuration			SOLATRON CF-GR 150/1 TR/ TT/ TT DT	
Collector name	SOLATRON CF2.0-1	No. Collectors	1	Storage name
				Solar Enemeled Tank 150 L
<b>Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013</b>				
Load profile	M	L	XL	XXL
Annual heat demand (kWh)	1523	2799	4477	5626
Auxiliary heat contribution	Qnonsol			section 5.9.3.6, see note 1
Average climate (kWh)	557	1534	2987	4159
Cold climate (kWh)				Strasbourg
Hot climate (kWh)				Helsinki
Qaux (kWh)				Athens
Comply to the load profile (Yes/No)				section 5.9.3.4, see note 1
$\eta_{wh\_nonsol}$ (%)				section 5.10.6, see note 1
Qelec (kWh)				section 5.9.3.5, see note 1
Qfuel (kWh)				section 5.9.3.5, see note 1
V40, measured (l)				section 5.10.7, see note 1
Auxiliary thermostat setting	55	°C	Effective power of auxiliary heater	3.5 kW
Note 1: Clause of EN 12976-2:2017				
Testing Laboratory	TÜV Rheinland Solar GmbH			
Website	www.tuv.com/solar			
Test report id. number	21241271.004Rev1 // 21249351.001			
Date of test report	2018-09-17 // 2020-03-30			
Test method	ISO 9459-5 (DST)			
Comments of test lab	No comments			
				



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Postal Code	60044	Fabriano	Tel. / Fax	+39 02763209 -1 / -40
<b>System family overview</b>				
<b>For each storage and collector size, give number of collectors</b>				
Collector name	Solar Enemeled Tank 150 L	Solar Enemeled Tank 200 L	Solar Enemeled Tank 300 L	
SOLATRON CF2.0-1 V	1	1 2	2	
<b>Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013</b>				
Name of system configuration			SOLATRON CF-GR 200/1 TR/ TT/ TT DT	
Collector name	SOLATRON CF2.0-1	No. Collectors	1	Storage name
				Solar Enemeled Tank 200 L
<b>Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013</b>				
Load profile	M	L	XL	XXL
Annual heat demand (kWh)	1523	2799	4477	5626
Auxiliary heat contribution	Q <sub>nonsol</sub>			section 5.9.3.6, see note 1
Average climate (kWh)	565	1472	2899	4054
Cold climate (kWh)				Strasbourg
Hot climate (kWh)				Helsinki
Q <sub>aux</sub> (kWh)				Athens
Comply to the load profile (Yes/No)				section 5.9.3.4, see note 1
η <sub>wh_nonsol</sub> (%)				section 5.10.6, see note 1
Q <sub>elec</sub> (kWh)				section 5.9.3.5, see note 1
Q <sub>fuel</sub> (kWh)				section 5.9.3.5, see note 1
V <sub>40</sub> , measured (l)				section 5.10.7, see note 1
Auxiliary thermostat setting	55	°C	Effective power of auxiliary heater	2.0 kW
Note 1: Clause of EN 12976-2:2017				
Testing Laboratory	TÜV Rheinland Solar GmbH			
Website	www.tuv.com/solar			
Test report id. number	21241271.004Rev1 // 21249351.001			
Date of test report	2018-09-17 // 2020-03-30			
Test method	ISO 9459-5 (DST)			
Comments of test lab	No comments			
	 TÜV Rheinland Solar GmbH Am Grauer Stein 51105 Köln			



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## System family overview

Collector name	For each storage and collector size, give number of collectors			
	Solar Enemeled Tank 150 L	Solar Enemeled Tank 200 L	Solar Enemeled Tank 300 L	
SOLATRON CF2.0-1 V	1	1 2	2	

## Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013

Name of system configuration	SOLATRON CF-GR 200/2 TR/ TT/ TT DT		
Collector name	SOLATRON CF2.0-1	No. Collectors	1
Storage name	Solar Enemeled Tank 200 L		

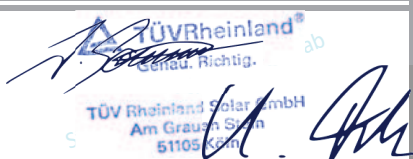
## Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013

Load profile	M	L	XL	XXL	
Annual heat demand (kWh)	1523	2799	4477	5626	
Auxiliary heat contribution	Qnonsol				section 5.9.3.6, see note 1
Average climate (kWh)	346	954	2073	3140	Strasbourg
Cold climate (kWh)					Helsinki
Hot climate (kWh)					Athens
Qaux (kWh)					section 5.9.3.4, see note 1
Comply to the load profile (Yes/No)					section 5.10.6, see note 1
$\eta_{wh\_nonsol}$ (%)					section 5.9.3.5, see note 1
Qelec (kWh)					section 5.9.3.5, see note 1
Qfuel (kWh)					section 5.9.3.5, see note 1
V40, measured (l)					section 5.10.7, see note 1

Auxiliary thermostat setting	55	°C	Effective power of auxiliary heater	2.0	kW
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Note 1: Clause of EN 12976-2:2017

Testing Laboratory	TÜV Rheinland Solar GmbH
Website	www.tuv.com/solar
Test report id. number	21241271.004Rev1 // 21249351.001
Date of test report	2018-09-17 // 2020-03-30
Test method	ISO 9459-5 (DST)

Comments of test lab	The System configuration SOLATRON CF-GR 200/2 TR/ TT/ TT DT is equipped with a PT-valve to prevent overheating.
	 TÜVRheinland® Genau. Richtig. TÜV Rheinland Solar GmbH Am Grauh Stein 51105 Köln

Version 4.5, 2017-10-24





Summary of	EN12976-2	test results	Certification No.	011-7S2886 A
Annex to Solar KEYMARK Certificate			Issued	2023-09-01
Company	Ariston S.p.A.		Country	Italy
Brand (optional)	ELCO		Website	www.ariston.com
Street	Via A. Merloni 45		E-mail	maria.ciavatta@ariston.com
Postal Code	60044	Fabriano	Tel. / Fax	+39 02763209 -1 / -40
<b>System family overview</b>				
<b>For each storage and collector size, give number of collectors</b>				
Collector name	Solar Enemeled Tank 150 L	Solar Enemeled Tank 200 L	Solar Enemeled Tank 300 L	
SOLATRON CF2.0-1 V	1	1 2	2	
<b>Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013</b>				
Name of system configuration			SOLATRON CF-GR 300/2 TR/ TT/ TT DT	
Collector name	SOLATRON CF2.0-1	No. Collectors	2	Storage name
				Solar Enemeled Tank 300 L
<b>Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013</b>				
Load profile	M	L	XL	XXL
Annual heat demand (kWh)	1523	2799	4477	5626
Auxiliary heat contribution	Q <sub>nonsol</sub>			section 5.9.3.6, see note 1
Average climate (kWh)	363	928	1932	2929
Cold climate (kWh)				Strasbourg
Hot climate (kWh)				Helsinki
Q <sub>aux</sub> (kWh)				Athens
Comply to the load profile (Yes/No)				section 5.9.3.4, see note 1
η <sub>wh_nonsol</sub> (%)				section 5.10.6, see note 1
Q <sub>elec</sub> (kWh)				section 5.9.3.5, see note 1
Q <sub>fuel</sub> (kWh)				section 5.9.3.5, see note 1
V <sub>40</sub> , measured (l)				section 5.10.7, see note 1
Auxiliary thermostat setting	55	°C	Effective power of auxiliary heater	2.0 kW
Note 1: Clause of EN 12976-2:2017				
Testing Laboratory	TÜV Rheinland Solar GmbH			
Website	www.tuv.com/solar			
Test report id. number	21241271.004Rev1 // 21249351.001			
Date of test report	2018-09-17 // 2020-03-30			
Test method	ISO 9459-5 (DST)			
Comments of test lab	No comments			
			