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ICIM

Certificazione di Prodotto *Product Certification*

Certificato N.
Certificate No.

ICIM-CLS-000182-00

ALL'AZIENDA / *TO THE FIRM*

ABRAM S.r.l.

Via Dei Facocchi, 6
Zona Industriale Santa Maria degli Angeli
06081 Assisi (PG) - IT

UNITÀ OPERATIVE / *OPERATIVES UNITS*

Via Dei Facocchi, 6
Zona Industriale Santa Maria degli Angeli
06081 Assisi (PG) - IT

PER I SEGUENTI PRODOTTI / *FOR THE FOLLOWING PRODUCTS*

**Sistemi solari prefabbricati
*Factory made solar system***

CON DENOMINAZIONE COMMERCIALE / *WITH TRADE NAME/S*

**AXISOL 3
AXISOL 4
AXISOL 5
AXISOL 6**

CONFORMEMENTE ALLA NORMA ED AL DOCUMENTO NORMATIVO ICIM
IN COMPLIANCE WITH THE STANDARD AND WITH ICIM NORMATIVE DOCUMENT

**UNI EN 12976-1:2022 - UNI EN 12976-2:2019
Specific CEN Keymark Scheme Rules for Solar Thermal Products, ICIM 0062CS**

RAPPORTI DI PROVA ACCREDITATI ISO/IEC 17025 / *REFERENCE TEST REPORT ACCREDITED ISO/IEC 17025*

S286 by SPF

Il presente Certificato autorizza il titolare all' utilizzo del marchio di conformità KEYMARK insieme al numero di registrazione specificato.
Per verificare per le informazioni dettagliate e/o la validità del certificato si consulti <http://www.solarkeymark.dk>
*This certificate entitles the holder to use the KEYMARK mark of conformity in conjunction with the specified registration number.
To check detailed information and/or validity of this certificate, please visit <http://www.solarkeymark.dk>*

Vincenzo Delacqua
Rappresentante Direzione / *Management Representative*

ICIM S.p.A.

PRIMA EMISSIONE
FIRST ISSUE

08/06/2026

EMISSIONE CORRENTE
CURRENT ISSUE



08/06/2026

DATA DI SCADENZA
EXPIRING DATE



07/06/2031

ICIM S.p.A. - Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI)
Società soggetta all'attività di direzione e coordinamento di ICIM GROUP S.r.l.



Summary of	EN12976-2	SOLAR SYSTEM test results	Licence Number	ICIM-CLS-00182						
Annex to Solar KEYMARK Certificate			Issued	2026-06-08						
Company	ABRAM S.r.l.		Country	Italy						
Brand (optional)			Website	www.axisol.it						
Street	Zona Industriale, Via dei Facocchi, n. 6		E-mail	tecnico.commerciale@axisol.it						
Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39	75 8044354					
System classification										
Application(s)	Hot water									
Solar loop, circulation principle	Other									
Direct solar loop / heat exchanger	Direct									
Open, vented or closed solar loop	Closed									
Drain back/down	Always filled (no drain)									
Store location	Int. collector-store									
Store orientation (of main axis)	Vertical									
Type of auxiliary heating (internal back-up heat)	None									
If other auxiliary/internal back-up heating, please specify:										
Solar+supplementary OR Solar-only / Solar pre-heat	Solar only / Solar preheat									
Collector(s)			Heat store(s)							
Company	ABRAM S.r.l.		Company	ABRAM S.r.l.						
Keymark lic.no. if available	N/A		Keymark lic.no. if available	N/A						
Collector name	Per module			Store name	Total nominal volume	Gross height	Gross width	Gross depth	Auxiliary heated volume	Electrical aux. heating power
	Gross Area (Ag)	Gross length	Gross width							
	m ²	mm	mm							
AXISOL 3	1,42	2000	709	AXISOL 3	91	2000	709	170	--	--
AXISOL 4	1,63	2000	814	AXISOL 4	107	2000	814	170	--	--
AXISOL 5	1,84	2000	918	AXISOL 5	122	2000	918	170	--	--
AXISOL 6	2,05	2000	1024	AXISOL 6	137	2000	1024	170	--	--
Solar loop controller			Solar loop fluid							
Keymark lic.no. if available	--		Recommended/required	No recommend./requirements						
Company	--		Company	--						
Name	--		Name	--						
Solar loop pump - power range	-- W	to -- W	Freezing point	--	°C					
System family overview										
Collector name	Number of collectors in each configuration for each store									
	Store name									
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6						
AXISOL 3	1									
AXISOL 4		1								
AXISOL 5			1							
AXISOL 6				1						
Testing Laboratory			SPF Institute for Solar Technology							
Website			www.spf.ch							
Test report id. number			S286							
Date of test report			2024-07-10							
Comments of test lab										
Integrated Storage Collector (ICS)										
 INSTITUT FÜR SOLARTECHNIK 										





Summary of	EN12976-2	test results	Certification No.	ICIM-CLS-00182				
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Company	ABRAM S.r.l.		Country	Italy				
Brand (optional)			Website	www.axisol.it				
Street	Zona Industriale, Via dei Facocchi, n. 6		E-mail	tecnico.commerciale@axisol.it				
Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354				
Parameters for systems extrapolation (Annex D)								
Collector of measured system			Storage tank of measured system					
A_{ref} [m ²]	--		Volume [l]	--				
η_0	--		A_{hx} [m ²]	--				
a_1 [W/Km ²]	--		Piping					
a_2 [W/Km ²]	--							
IAM (50°)	--		$U_{loop,p}$	--				
System parameters								
Name of System Configuration	Tested/Extrapol	A_c^* [m ²]	u_c^* [W/Km ²]	U_s [W/K]	C_s [MJ/K]	S_c [-]	D_L [-]	f_{aux} [-]
AXISOL 3	Extrapol	0,86	2,22	3,00	0,2622	0,00	0,10	--
AXISOL 4	Extrapol	1,01	2,61	3,50	0,3083	0,00	0,10	--
AXISOL 5	Tested	1,16	2,99	4,00	0,3515	0,00	0,10	--
AXISOL 6	Extrapol	1,31	3,38	4,50	0,3947	0,00	0,10	--
Testing Laboratory		SPF Institute for Solar Technology						
Website		www.spf.ch						
Test report id. number		S286						
Date of test report		2024-07-10						
Test method		ISO 9459-5 (DST)						
Comments of test lab								
Integrated Storage Collector (ICS)		 INSTITUT FÜR SOLARTECHNIK 						

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

Version 4.5, 2017-10-24







Summary of	EN12976-2	test results	Certification No.	ICIM-CLS-00182									
Annex to Solar KEYMARK Certificate			Issued	2026-06-08									
Company	ABRAM S.r.l.		Country	Italy									
Brand (optional)			Website	www.axisol.it									
Street	Zona Industriale, Via dei Facocchi, n. 6		E-mail	tecnico.commerciale@axisol.it									
Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354									
System family overview													
Collector name	For each storage and collector size, give number of collectors												
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6									
AXISOL 3	1												
AXISOL 4		1											
AXISOL 5			1										
AXISOL 6				1									
Name of system configuration			AXISOL 3										
Collector name	AXISOL 3	No. Collectors	1	Storage name									
Calculated annual results for "solar-only / preheat system"													
Location	Q _{d,sh} MJ/y	Daily drawoff 50 l				Daily drawoff 80 l				Daily drawoff 110 l			
		Q _{d,hw} MJ/y	Q _L MJ/y	Q _{par} MJ/y	f _{sol} %	Q _{d,hw} MJ/y	Q _L MJ/y	Q _{par} MJ/y	f _{sol} %	Q _{d,hw} MJ/y	Q _L MJ/y	Q _{par} MJ/y	f _{sol} %
Stockholm SE	0	2791	1591	0	57	4478	2181	0	49	6150	2404	0	39
Würzburg DE	0	2671	1123	0	65	4289	2222	0	52	5897	2530	0	43
Davos CH	0	3027	2346	0	78	4857	3176	0	65	6654	3427	0	52
Athens GR	0	2078	1864	0	90	3343	2714	0	81	4573	3228	0	71
Perf. indicators for the table above													
Q _{d,sh}	MJ/y	Not relevant for solar domestic hot water system											
Q _d	MJ/y	Annual heat demand for domestic hot water											
Q _L	MJ/y	Annual heat energy delivered by the solar system											
Q _{par}	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 _{a,ave}	7,5	9,0	3,2	18,5								
	T _{c,ave}	8,5	10,0	5,4	17,8								
	± ΔT _c	6,4	3,0	0,8	7,4								
G	kWh/m ²	Annual irradiation South, 45°											
T _{a,ave}	°C	Annual average outdoor air temperature											
T _{c,ave}	°C	Annual average mains cold water temp.											
ΔT _c	K	Seasonal variation of T _c											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		600	kPa	Max. operating press. - tank side		600	kPa						
Testing Laboratory		SPF Institute for Solar Technology											
Website		www.spf.ch											
Test report id. number		S286											
Date of test report		2024-07-10											
Test method		ISO 9459-5 (DST)											
Comments of test lab													 INSTITUT FÜR SOLARTECHNIK 
Integrated Storage Collector (ICS)													

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







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Brand (optional)			Website	www.axisol.it									
Street	Zona Industriale, Via dei Facocchi, n. 6		E-mail	tecnico.commerciale@axisol.it									
Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354									
System family overview													
For each storage and collector size, give number of collectors													
Collector name	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6									
AXISOL 3	1												
AXISOL 4		1											
AXISOL 5			1										
AXISOL 6				1									
Name of system configuration			AXISOL 4										
Collector name	AXISOL 4	No. Collectors	1	Storage name	AXISOL 4								
Calculated annual results for "solar-only / preheat system"													
Location	Q _{d,sh}	Daily drawoff 80 l				Daily drawoff 110 l				Daily drawoff 140 l			
		Q _{d,hw}	Q _L	Q _{par}	f _{sol}	Q _{d,hw}	Q _L	Q _{par}	f _{sol}	Q _{d,hw}	Q _L	Q _{par}	f _{sol}
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	4478	2324	0	52	6150	2681	0	44	7821	2816	0	30
Würzburg DE	0	4289	2342	0	55	5897	2778	0	47	7506	2980	0	40
Davos CH	0	4857	3400	0	70	6654	3846	0	58	8483	4004	0	47
Athens GR	0	3343	2828	0	85	4573	3457	0	76	5834	3915	0	67
Perf. indicators for the table above													
Q _{d,sh}	MJ/y	Not relevant for solar domestic hot water system											
Q _d	MJ/y	Annual heat demand for domestic hot water											
Q _L	MJ/y	Annual heat energy delivered by the solar system											
Q _{par}	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 _{a,ave}	7,5	9,0	3,2	18,5								
	T _{c,ave}	8,5	10,0	5,4	17,8								
	± ΔT _c	6,4	3,0	0,8	7,4								
G	kWh/m ²	Annual irradiation South, 45°											
T _{a,ave}	°C	Annual average outdoor air temperature											
T _{c,ave}	°C	Annual average mains cold water temp.											
ΔT _c	K	Seasonal variation of T _c											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		600	kPa	Max. operating press. - tank side		600	kPa						
Testing Laboratory		SPF Institute for Solar Technology											
Website		www.spf.ch											
Test report id. number		S286											
Date of test report		2024-07-10											
Test method		ISO 9459-5 (DST)											
Comments of test lab													 INSTITUT FÜR SOLARTECHNIK 
Integrated Storage Collector (ICS)													

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Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354									
System family overview													
Collector name	For each storage and collector size, give number of collectors												
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6									
AXISOL 3	1												
AXISOL 4		1											
AXISOL 5			1										
AXISOL 6				1									
Name of system configuration			AXISOL 5										
Collector name	AXISOL 5	No. Collectors	1	Storage name									
Calculated annual results for "solar-only / preheat system"													
Location	Q _{d,sh} MJ/y	Daily drawoff 110 l				Daily drawoff 140 l				Daily drawoff 170 l			
		Q _{d,hw} MJ/y	Q _L MJ/y	Q _{par} MJ/y	f _{sol} %	Q _{d,hw} MJ/y	Q _L MJ/y	Q _{par} MJ/y	f _{sol} %	Q _{d,hw} MJ/y	Q _L MJ/y	Q _{par} MJ/y	f _{sol} %
Stockholm SE	0	6150	2890	0	47	7821	3097	0	40	9492	3180	0	34
Würzburg DE	0	5897	2960	0	50	7506	3250	0	43	9114	3372	0	37
Davos CH	0	6654	4185	0	63	8483	4428	0	52	10281	4503	0	44
Athens GR	0	4573	3631	0	79	5834	4154	0	71	7064	4528	0	64
Perf. indicators for the table above													
Q _{d,sh}	MJ/y	Not relevant for solar domestic hot water system											
Q _d	MJ/y	Annual heat demand for domestic hot water											
Q _L	MJ/y	Annual heat energy delivered by the solar system											
Q _{par}	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 _{a,ave}	7,5	9,0	3,2	18,5								
	T _{c,ave}	8,5	10,0	5,4	17,8								
	± ΔT _c	6,4	3,0	0,8	7,4								
G	kWh/m ²	Annual irradiation South, 45°											
T _{a,ave}	°C	Annual average outdoor air temperature											
T _{c,ave}	°C	Annual average mains cold water temp.											
ΔT _c	K	Seasonal variation of T _c											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		600	kPa	Max. operating press. - tank side		600	kPa						
Testing Laboratory		SPF Institute for Solar Technology											
Website		www.spf.ch											
Test report id. number		S286											
Date of test report		2024-07-10											
Test method		ISO 9459-5 (DST)											
Comments of test lab													 INSTITUT FÜR SOLARTECHNIK 
Integrated Storage Collector (ICS)													

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Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354															
System family overview																			
Collector name	For each storage and collector size, give number of collectors																		
	AXISOL 3				AXISOL 4				AXISOL 5				AXISOL 6						
AXISOL 3	1																		
AXISOL 4			1																
AXISOL 5					1														
AXISOL 6									1										
Name of system configuration			AXISOL 6																
Collector name	AXISOL 6			No. Collectors				1				Storage name				AXISOL 6			
Calculated annual results for "solar-only / preheat system"																			
Location	Q _{d,sh}	Daily drawoff 140 l					Daily drawoff 170 l					Daily drawoff 200 l							
		Q _{d,hw}	Q _L	Q _{par}	f _{sol}	Q _{d,hw}	Q _L	Q _{par}	f _{sol}	Q _{d,hw}	Q _L	Q _{par}	f _{sol}						
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%							
Stockholm SE	0	7821	3340	0	43	9492	3484	0	37	11164	3550	0	32						
Würzburg DE	0	7506	3475	0	46	9114	3682	0	40	10691	3742	0	35						
Davos CH	0	8483	4818	0	57	10281	4945	0	48	12110	5013	0	41						
Athens GR	0	5834	4376	0	75	7064	4804	0	68	8326	5137	0	62						
Perf. indicators for the table above																			
Q _{d,sh}	MJ/y	Not relevant for solar domestic hot water system																	
Q _d	MJ/y	Annual heat demand for domestic hot water																	
Q _L	MJ/y	Annual heat energy delivered by the solar system																	
Q _{par}	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 _{a,ave}	7,5	9,0	3,2	18,5														
	T _{c,ave}	8,5	10,0	5,4	17,8														
	± ΔT _c	6,4	3,0	0,8	7,4														
G	kWh/m ²	Annual irradiation South, 45°																	
T _{a,ave}	°C	Annual average outdoor air temperature																	
T _{c,ave}	°C	Annual average mains cold water temp.																	
ΔT _c	K	Seasonal variation of T _c																	
Th	45 °C	Desired hot water temperature (mixing valve temperature).																	
Max. operating press. - collector side			600	kPa	Max. operating press. - tank side			600	kPa										
Testing Laboratory			SPF Institute for Solar Technology																
Website			www.spf.ch																
Test report id. number			S286																
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Summary of	EN12976-2	test results	Certification No.	ICIM-CLS-00182
Annex to Solar KEYMARK Certificate			Issued	2026-06-08

Company	ABRAM S.r.l.		Country	Italy	
Brand (optional)	0		Website	www.axisol.it	
Street	Zona Industriale, Via dei Facocchi, n. 6		E-mail	tecnico.commerciale@axisol.it	
Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39	75 8044354

System family overview

Collector name	For each storage and collector size, give number of collectors				
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6	
AXISOL 3	1				
AXISOL 4		1			
AXISOL 5			1		
AXISOL 6				1	

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

Name of system configuration	180D				
Collector name	180D	No. Collectors	1	Storage name	180D


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	4427	5626	
Auxiliary heat contribution		Q _{nonsol}			section 5.9.3.6, see note 1
Average climate (kWh)	774	1931	3471	4670	Strasbourg
Cold climate (kWh)	959	2141	3705	4900	Helsinki
Hot climate (kWh)	475	1581	3090	4287	Athens
Q _{aux} (kWh)					section 5.9.3.4, see note 1
Comply to the load profile (Yes/No)					section 5.10.6, see note 1
η_{wh_nonsol} (%)					section 5.9.3.5, see note 1
Q _{elec} (kWh)					section 5.9.3.5, see note 1
Q _{fuel} (kWh)					section 5.9.3.5, see note 1
V ₄₀ , measured (l)					section 5.10.7, see note 1

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

Testing Laboratory	SPF Institute for Solar Technology
Website	www.spf.ch
Test report id. number	S286
Date of test report	2024-07-10
Test method	ISO 9459-5 (DST)

Comments of test lab	 INSTITUT FÜR SOLARTECHNIK 
Integrated Storage Collector (ICS)	

Version 4.5, 2017-10-24





Summary of	EN12976-2	test results	Certification No.	ICIM-CLS-00182
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Brand (optional)	0		Website	www.axisol.it	
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Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39	75 8044354

System family overview

Collector name	For each storage and collector size, give number of collectors				
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6	
AXISOL 3	1				
AXISOL 4		1			
AXISOL 5			1		
AXISOL 6				1	

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

Name of system configuration	220D				
Collector name	220D	No. Collectors	1	Storage name	220D



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	4427	5626	
Auxiliary heat contribution		Qnonsol			section 5.9.3.6, see note 1
Average climate (kWh)	710	1825	3329	4523	Strasbourg
Cold climate (kWh)	915	2066	3599	4793	Helsinki
Hot climate (kWh)	391	1430	2886	4079	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
η_{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	--	°C	Effective power of auxiliary heater	--	kW
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Note 1: Clause of EN 12976-2:2017



Testing Laboratory	SPF Institute for Solar Technology
Website	www.spf.ch
Test report id. number	S286
Date of test report	2024-07-10
Test method	ISO 9459-5 (DST)

Comments of test lab	 INSTITUT FÜR SOLARTECHNIK 
Integrated Storage Collector (ICS)	


Version 4.5, 2017-10-24





Summary of	EN12976-2	test results	Certification No.	ICIM-CLS-00182	
Annex to Solar KEYMARK Certificate			Issued	2026-06-08	
Company	ABRAM S.r.l.		Country	Italy	
Brand (optional)	0		Website	www.axisol.it	
Street	Zona Industriale, Via dei Facocchi, n. 6		E-mail	tecnico.commerciale@axisol.it	
Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354	
System family overview					
Collector name	For each storage and collector size, give number of collectors				
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6	
AXISOL 3	1				
AXISOL 4		1			
AXISOL 5			1		
AXISOL 6				1	
Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013					
Name of system configuration			260D		
Collector name	260D	No. Collectors	1	Storage name	260D
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	4427	5626	
Auxiliary heat contribution	Q _{nonsol}				section 5.9.3.6, see note 1
Average climate (kWh)	667	1738	3205	4394	Strasbourg
Cold climate (kWh)	886	2004	3511	4698	Helsinki
Hot climate (kWh)	338	1307	2700	3888	Athens
Q _{aux} (kWh)					section 5.9.3.4, see note 1
Comply to the load profile (Yes/No)					section 5.10.6, see note 1
η _{wh_nonsol} (%)					section 5.9.3.5, see note 1
Q _{elec} (kWh)					section 5.9.3.5, see note 1
Q _{fuel} (kWh)					section 5.9.3.5, see note 1
V ₄₀ , measured (l)					section 5.10.7, see note 1
Auxiliary thermostat setting	--	°C	Effective power of auxiliary heater	--	kW
Note 1: Clause of EN 12976-2:2017					
Testing Laboratory	SPF Institute for Solar Technology				
Website	www.spf.ch				
Test report id. number	S286				
Date of test report	2024-07-10				
Test method	ISO 9459-5 (DST)				
Comments of test lab	Integrated Storage Collector (ICS)				
			 INSTITUT FÜR SOLARTECHNIK 		



Summary of	EN12976-2	test results	Certification No.	ICIM-CLS-00182	
Annex to Solar KEYMARK Certificate			Issued	2026-06-08	
Company	ABRAM S.r.l.		Country	Italy	
Brand (optional)	0		Website	www.axisol.it	
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Postal Code	6081	Santa Maria degli Angeli, Assisi (PG)	Tel. / Fax	+39 75 8044354	
System family overview					
Collector name	For each storage and collector size, give number of collectors				
	AXISOL 3	AXISOL 4	AXISOL 5	AXISOL 6	
AXISOL 3	1				
AXISOL 4		1			
AXISOL 5			1		
AXISOL 6				1	
Annual performance parameters in the frame of the EU regulation CDR 811, 812 and 813 dated 2013					
Name of system configuration			300D		
Collector name	300D	No. Collectors	1	Storage name	300D
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	4427	5626	
Auxiliary heat contribution	Q _{nonsol}				section 5.9.3.6, see note 1
Average climate (kWh)	634	1660	3081	4265	Strasbourg
Cold climate (kWh)	864	1948	3422	4608	Helsinki
Hot climate (kWh)	300	1192	2591	3691	Athens
Q _{aux} (kWh)					section 5.9.3.4, see note 1
Comply to the load profile (Yes/No)					section 5.10.6, see note 1
η_{wh_nonsol} (%)					section 5.9.3.5, see note 1
Q _{elec} (kWh)					section 5.9.3.5, see note 1
Q _{fuel} (kWh)					section 5.9.3.5, see note 1
V ₄₀ , measured (l)					section 5.10.7, see note 1
Auxiliary thermostat setting	--	°C	Effective power of auxiliary heater	--	kW
Note 1: Clause of EN 12976-2:2017					
Testing Laboratory	SPF Institute for Solar Technology				
Website	www.spf.ch				
Test report id. number	S286				
Date of test report	2024-07-10				
Test method	ISO 9459-5 (DST)				
Comments of test lab	Integrated Storage Collector (ICS)				
			 INSTITUT FÜR SOLARTECHNIK 