



Licence Number	SKM 10109.1.1
Date issued	2025-10-30
Issued by	DQS Hellas

Country	ITALIA
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Flat plate collector

Power output per m² gross area

n0, h	a1	a2	a3	a4	a5	a6	a7	a8	Kd
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Test results	0.786	4.24	0.019	0.000	0.00	7.800	0.000	0.00	0.0E+00	0.91
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Incidence angle modifier test method		Steady state - Outdoor									
Incidence angle modifier	Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°	

Transversal	$K_{\Theta T, coll}$	1,00	1,00	0,99	0,98	0,94	0,87	0,74	0,48	0,00
Longitudinal	K	1,00	1,00	0,99	0,98	0,94	0,87	0,74	0,48	0,00

Heat transfer medium for testing						Water		
Flow rate for testing (see mass flow)						kg/s	0.001	kg/h (see 2)

Maximum temperature difference during thermal performance test		$(U_m - U_a)_{\max}$	54,22	K
Standard stagnation temperature ($G = 1000 \text{ W/m}^2$; $\theta = 30^\circ \text{C}$)		θ	187	$^\circ \text{C}$

Maximum operating temperature	$t_{\text{max op}}$		°C
Maximum operating pressure	p	1000	kPa

Maximum operating pressure	$p_{\max,op}$	1000	kPa
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Test report(s)	4284 DQ3	Dated	17/12/2020
	4288 D53		20/10/2020

	4294 DLZ	30/10/2020
Comments:	Ver: 6.2 (12.01.2023)	

Comments	Ver. 6.2 (13.01.2022)
Qualifikation der in der Untersuchung eingesetzten Person	

Qualification tests are in extension of test report 4207 DQ2

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Additional Information

Water-Glycole

No

The collector was tested successfully under the following conditions:

A

600

000

000

2

Additional collector attribute(s)

No

No

Additional Informative Technical Data

Aperture Area, A_2 (m^2)

1.80

2.29

Data required for CDR (EU) No 812/2013 - Reference Area A _{sol}	
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0,7

4,24

0,01

0,95

ted to c

(A_{sol}) which is aperture area for values according to EN 12975-2 or gross area for ISO 9806. Consistent data sets for either aperture or gross area can be used in calculations like in the regulation 811 and 812 and simulation programs.