§ 6	TAB. 10: Thermal performance / *Prestazioni termiche*			
Test start [YYYY/MM/DD] *Data inizio prova [AAAA/MM/GG]*	**2011/03/29**	Test end [YYYY/MM/DD] *Data fine prova [AAAA/MM/GG]*	**2011/07/30**	
Test method / *Metodo di prova*	6.2 Outdoor – Steady state ☒	6.2 Indoor – Steady state method ☐	6.3 Outdoor – quasi-dynamic ☐	
Latitude / Latitudine:	44°52' N	Longitude / Longitudine:	08°48' E	
Collector tilt / *Inclinazione del collettore* [°]	0	Collector azimuth /*Orientamento azimutale del collettore*	N/A	
Orientation of absorber tubes during testing / *Orientamento dei tubi del collettore durante la prova*			SPIRAL	
Flow rate used for performance testing (average) / *Flusso utilizzato per il test (valore medio)* [kg·s^{-1}·m^2]:			0.040	

Test results / *Risultati di prova*

	Condizioni ambientali misurate				Grandezze collettore misurate			Grandezze derivate							
DATA POINTS	T_{amb} (T_a) [°C]	Wind speed [m/s]	Global irradiance G [W/m^2]	Net Irradiance G" [W/m^2]	Tin [°C]	Tout [°C]	Flow-Rate [l/min]	DeltaT [K]	Mean fluid temp. Tm [°C]	c_f	Tm-Ta [K]	Reduced temp. difference	Actual useful power [W]	Istantaneous efficiency (APERTURE)	Istantaneous efficiency (ABSORBER)
1	28.0	0.84	966.0	765.2	**26.10**	29.53	9.15	3.43	27.82	4.1790	- 0.18	-0.00024	**2186.99**	0.75	0.75
2	28.0	0.61	959.0	759.2	**26.00**	29.43	9.15	3.43	27.72	4.1790	- 0.28	-0.00037	**2188.41**	0.76	0.76
3	28.3	0.88	968.0	775.6	**31.60**	34.39	9.16	2.79	32.99	4.1786	4.69	0.00605	**1779.74**	0.60	0.60
4	28.3	0.48	963.5	761.4	**31.60**	34.38	9.13	2.78	32.99	4.1786	4.69	0.00616	**1767.18**	0.61	0.61
5	28.7	0.75	964.0	753.0	**38.40**	40.50	9.14	2.10	39.45	4.1792	10.75	0.01428	**1339.13**	0.47	0.47
6	28.7	0.78	941.0	751.6	**38.40**	40.52	9.13	2.12	39.46	4.1792	10.76	0.01431	**1346.33**	0.47	0.47
7	26.0	1.52	943.6	764.3	**25.30**	28.54	9.16	3.24	26.92	4.1792	0.92	0.00120	**2066.82**	0.71	0.71
8	26.1	1.57	928.8	743.3	**25.40**	28.62	9.15	3.22	27.01	4.1792	0.91	0.00122	**2050.27**	0.72	0.72
9	26.4	1.63	937.0	752.4	**30.40**	33.16	9.13	2.76	31.78	4.1786	5.38	0.00715	**1755.68**	0.61	0.61
10	26.5	1.44	945.0	744.7	**30.40**	33.15	9.14	2.75	31.78	4.1786	5.28	0.00708	**1751.62**	0.62	0.62
11	26.1	1.47	941.8	762.3	**36.40**	38.47	9.14	2.07	37.43	4.1789	11.33	0.01487	**1314.61**	0.45	0.45
12	25.9	1.45	919.8	747.3	**36.40**	38.46	9.15	2.06	37.43	4.1789	11.53	0.01543	**1310.30**	0.46	0.46
13	27.8	2.82	898.9	736.7	**26.10**	29.29	9.16	3.19	27.70	4.1790	0.10	-0.00014	**2036.04**	0.73	0.73
14	27.7	2.83	896.0	719.8	**26.00**	29.20	9.15	3.20	27.60	4.1790	0.10	-0.00014	**2036.16**	0.74	0.74
15	27.6	3.08	880.1	714.1	**31.80**	34.55	9.16	2.75	33.17	4.1786	5.57	0.00781	**1752.37**	0.64	0.64
16	27.6	2.64	879.3	689.5	**31.80**	34.51	9.15	2.71	33.16	4.1786	5.56	0.00806	**1727.85**	0.66	0.66
17	27.9	2.62	868.6	673.0	**38.00**	40.04	9.15	2.04	39.02	4.1791	11.12	0.01652	**1298.36**	0.51	0.51
18	27.8	2.39	879.4	709.7	**38.00**	40.03	9.13	2.03	39.02	4.1791	11.22	0.01580	**1292.85**	0.48	0.48

Peak power for G" = 1000 W/m^2 and u = 0 m/s / *Potenza di picco per G" = 1000 W/m^2 e u = 0m/s* [W]	2812

POWER OUTPUT per collector unit / *Potenza resa per unità di collettore*

Tm – Ta = 2 K	Net irradiance G"		
	G" = 400 W /m^2	G" = 700 W /m^2	G" = 1000 W /m^2
u = 0.0 m/s	1090	1948	2812
u = 1.0 m/s	1054	1902	2759
u = 1.5 m/s	1035	1879	2732
u = 2.0 m/s	1017	1856	2705
u = 2.5 m/s	998	1833	2679
u = 3.0 m/s	980	1809	2652
u = 3.5 m/s	962	1786	2626

Remarks / *Osservazioni:*