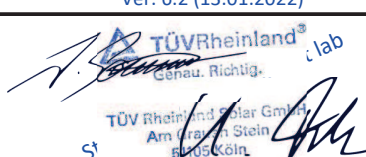


Annex to Solar Keymark Certificate					Licence Number		011-7S2359 F							
					Date issued		2023-06-06							
					Issued by		DINCERTCO							
Licence holder		Ariston S.p.A.			Country		Italy							
Brand (optional)		CHAFFOTEAUX			Web		www.ariston.com							
Street, Number		Via A. Merloni 45			E-mail		marketing@ariston.com							
Postcode, City		60044 Fabriano (AN)			Tel		+39 02763209-1							
Collector Type					Flat plate collector									
Collector name					Power output per collector									
					Gb = 850 W/m ² , Gd = 150 W/m ² & u = 1.3 m/s $\vartheta_m - \vartheta_a$									
					0 K	10 K	30 K	50 K	70 K	120 K				
					m ²	mm	mm	mm	mm	mm	mm			
ZELIOS XP 2.5-1 V					2.53	2 240	1 125	99	1 749	1 674	1 505	1 314	1 101	471
ZELIOS XP 2.5-1 H					2.53	1 125	2 240	99	1 749	1 674	1 505	1 314	1 101	471
Power output per m ² gross area					691	661	595	519	435	186				
Performance parameters test method		Steady state - indoor												
Performance parameters (related to A _G)		$\eta_{0, b}$	a1	a2	a3	a4	a5	a6	a7	a8	Kd			
Units		-	W/(m ² K)	W/(m ² K ²)	J/(m ³ K)	-	J/(m ² K)	s/m	W/(m ² K ⁴)	W/(m ² K ⁴)	-			
Test results		0.702	2.89	0.011	0.000	0.00	5 281	0.000	0.00	0.0E+00	0.90			
Incidence angle modifier test method		Steady state - outdoor												
Incidence angle modifier		Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°			
Transversal		K _{GT, coll}	1.00	1.00	0.99	0.97	0.94	0.88	0.74	0.43	0.00			
Longitudinal		K _{GL, coll}	1.00	1.00	0.99	0.97	0.94	0.88	0.74	0.43	0.00			
Heat transfer medium for testing		Water-Glycol												
Flow rate for testing (per gross area, A _G)		dm/dt	0.020	kg/(sm ²)										
Maximum temperature difference during thermal performance test		($\vartheta_m - \vartheta_a$) _{max}	90	K										
Standard stagnation temperature (G = 1000 W/m ² ; $\vartheta_a = 30$ °C)		ϑ_{stg}	210	°C										
Maximum operating temperature		$\vartheta_{max, op}$	210	°C										
Maximum operating pressure		p _{max, op}	600	kPa										
Testing laboratory		TÜV Rheinland Energy GmbH					http://www.tuv.com/solar							
Test report(s)		300100419.001 (XP 2.5-1 V) 300100419.002 (XP 2.5-1 H) C1894 (SPF; Thermal Performance XP 2.5-1 V)					Dated		30.03.2023 30.03.2023 08.03.2023					
Comments of testing laboratory		Ver. 6.2 (13.01.2022)												
														
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