



Annex to Solar Keymark Certificate - Summary of EN ISO 9806:2013 Test Results					Licence Number		OEM 9999/1/12							
					Date issued		2019-05-30							
					Issued by		DQS Hellas							
Licence holder		AGGELOPOULOS SA - ILIOFAN			Country		Greece							
Brand (optional)		ILIOFAN			Web		www.agelopoulos.gr							
Street, Number		Petrou Ralli 445			E-mail		info@agelopoulos.gr							
Postcode, City		18450 Nikaia			Tel		+30 210 4257000							
Collector Type					Flat plate collector, glazed									
Collector name					Power output per collector G _b = 850 W/m ² ; G _d = 150 W/m ² ϑ _m - ϑ _a									
					0 K	10 K	30 K	50 K	70 K	50 K				
					m ²	mm	mm	mm	W	W	W	W	W	W
HF MAXIMUM MPK 1.50V					1,50	1.480	1.010	86	1.142	1.085	961	819	661	819
HF MAXIMUM MPK 1.50H					1,50	1.010	1.480	86	1.142	1.085	961	819	661	819
HF MAXIMUM MPK 1.82V					1,82	1.480	1.230	86	1.385	1.317	1.166	994	802	994
HF MAXIMUM MPK 1.82H					1,82	1.230	1.480	86	1.385	1.317	1.166	994	802	994
HF MAXIMUM MPK 2.00V					2,00	1.980	1.010	86	1.522	1.447	1.281	1.092	881	1.092
HF MAXIMUM MPK 2.00H					2,00	1.010	1.980	86	1.522	1.447	1.281	1.092	881	1.092
HF MAXIMUM MPK 2.37V					2,37	1.930	1.230	86	1.804	1.715	1.518	1.294	1.044	1.294
HF MAXIMUM MPK 2.37H					2,37	1.230	1.930	86	1.804	1.715	1.518	1.294	1.044	1.294
HF MAXIMUM MPK 2,72V					2,72	2.160	1.260	86	2.070	1.968	1.742	1.485	1.198	1.485
HF MAXIMUM MPK 2,72H					2,72	1.260	2.160	86	2.070	1.968	1.742	1.485	1.198	1.485
Power output per m ² gross area									761	724	640	546	440	546
Performance parameters test method					Steady state - outdoor									
Performance parameters (related to AG)					η _{0,hem}	a ₁	a ₂							
Units					-	W/(m ² K)	W/(m ² K ²)							
Test results					0,761	3,600	0,014							
Incidence angle modifier test method					Steady state - outdoor									
Bi-directional incidence angle modifiers					No									
Incidence angle modifier					Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°
Transversal					K _{θT, coll}					0,96				0,00
Longitudinal					K _{θL, coll}					0,96				0,00
Heat transfer medium for testing					Water									
Flow rate for testing (per gross area, A _G)					dm/dt	0,021	kg/(sm ²)							
Maximum temperature difference for thermal performance calculations					(ϑ _m -ϑ _a) _{max}	50	K							
Standard stagnation temperature (G = 1000 W/m ² ; ϑ _a = 30 °C)					ϑ _{stg}	190,5	°C							
Effective thermal capacity, incl. fluid (per gross area, A _G)					C/m ²	10,85	kJ/(Km ²)							
Maximum operating temperature					ϑ _{max, op}	200	°C							
Maximum operating pressure					p _{max, op}	1000	kPa							
Testing laboratory					NCSR Demokritos			www.solar.demokritos.gr						
Test report(s)					4195 DE2 4196 DE2 4197 DQ3			Dated		16/11/2016 16/11/2016 2/6/2017				
Comments of testing laboratory					Datasheet version: 5.01, 2016-03-01									
This data sheet was issued based on data appeared in the first SKM certificate.														
Central Offices: Kalavriton 4, 145 64 kifisia, Athens, Tel: +301 6233493-4 , Fax: +301 6233495, http://www.dqshellas.gr, e-mail: ioannisalexidou@dqshellas.gr														

