





TÜVRheinland®

DIN CERTCO

Genau. Richtig.

CERTIFICATE

Certificate holder	Daikin Europe N.V. Zandvoordestraat 300 8400 Oostende BELGIUM
Production facility	Oostende
Product	Solar collectors
Type, Model	EKS V21P, EKS V26P, EKS H26P
Testing basis	DIN EN 12975-1:2011-01 DIN EN ISO 9806:2018-04 SOLAR KEYMARK Scheme Rules SKN N0444R7 (2024-01)
Mark of conformity	 
Registration No.	011-7S1016 F
Valid until	2029-11-30
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.



2024-10-11

Dipl.-Phys. Carlo Seiser
Head of Certification Body





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ANNEX

Page 1 of 1

Certificate	011-7S1016 F dated 2024-10-11
Technical Data	See data sheet, part of the test report of 2019-11-27
Testing laboratory/ Inspection body	Institut für Solartechnik SPF Hochschule für Technik Oberseestrasse 10 8640 Rapperswil SG SWITZERLAND
Test report(s)	No. C1796ISO, No. C1797ISO, No. C1798ISO dated 2019-11-27



CERTIFICATE

Certificate holder	Daikin Europe N.V. Zandvoordestraat 300 8400 Oostende BELGIUM
Production facility	Güglingen
Product	Solar collectors
Type, Model	EKS V21P, EKS V26P, EKS H26P
Testing basis	DIN EN 12975-1:2006-06 DIN EN ISO 9806:2018-04 SOLAR KEYMARK Scheme Rules (2019-03)
Mark of conformity	
Registration No.	011-7S1016 F
Valid until	2024-11-30
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.

ANNEX

Page 1 of 1

Certificate

011-7S1016 F dated 2020-01-07

Technical Data

See data sheet, part of the test report of 2019-11-27

Note(s):

- The freeze resistance test according to DIN EN ISO 9806, clause 15 was not necessary. According to the manufacturer's declaration, the certified solar collectors may be used in frost exposed areas only in combination with appropriate frost protection mixtures or with appropriate frost protection controller.



**Testing laboratory/
Inspection body**

Institut für Solartechnik SPF
Hochschule für Technik
Oberseestraße 10
8640 Rapperswil
SWITZERLAND

Test report(s)

No. C1796ISO, No. C1797ISO, No. C1798ISO dated 2019-11-27



Annex to Solar Keymark Certificate					Licence Number		011-7S1016 F							
					Date issued		2019-12-20							
					Issued by		DIN CERTCO							
Licence holder		Daikin Europe N.V.			Country		Belgium							
Brand (optional)		-			Web		www.daikin.eu							
Street, Number		Zandvoordestraat 300			E-mail		-							
Postcode, City		BE-8400 Oostende			Tel		+32 59 55 81 11							
Collector Type					Flat plate collector									
Collector name					Power output per collector									
					G _b = 850 W/m ² , G _d = 150 W/m ² & u = 1.3 m/s θ _m - θ _a									
					0 K	10 K	30 K	50 K	70 K	120 K				
					m ²	mm	mm	mm	mm	mm	mm			
					W	W	W	W	W	W				
V21P					2.01	2'000	1'006	85	1'426	1'338	1'156	963	762	215
V26P					2.60	2'000	1'300	85	1'844	1'731	1'495	1'246	985	278
H26P					2.60	1'300	2'000	85	1'844	1'731	1'495	1'246	985	278
Power output per m ² gross area					709	666	575	479	379	107				
Performance parameters test method		Steady state - outdoor												
Performance parameters (related to A _G)		η 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		0.719	4.30	0.006	0.000	0.00	0	0.000	0.00	0.0E+00	0.91			
Incidence angle modifier test method		Steady state - outdoor												
Incidence angle modifier		Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°			
Transversal		K _{θT, coll}	1.00	0.99	0.99	0.98	0.95	0.89	0.69	0.37	0.00			
Longitudinal		K _{θL, coll}	1.00	1.00	1.00	0.99	0.97	0.93	0.82	0.57	0.00			
Heat transfer medium for testing					Water-Glycole									
Flow rate for testing (per gross area, A _G)					dm/dt	0.023	kg/(sm ²)							
Maximum temperature difference during thermal performance test					(θ _m -θ _a) _{max}	90	K							
Standard stagnation temperature (G = 1000 W/m ² ; θ _a = 30 °C)					θ _{stg}	200	°C							
Maximum operating temperature					θ _{max, op}	98	°C							
Maximum operating pressure					p _{max, op}	600	kPa							
Testing laboratory		SPF Testing, CH-8640 Rapperswil, Switzerland			www.spf.ch									
Test report(s)		C1796ISO C1797ISO C1798ISO			Dated		27.11.2019 27.11.2019 27.11.2019							
Comments of testing laboratory					Datasheet version: 6.1, 2019-09-26									
					 INSTITUT FÜR SOLARTECHNIK 									
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