

Keymark Certificate

Solar thermal energy



078/000105

AENOR, Spanish Association for Standardization and Certification, certifies that the organization

BDR THERMEA GROUP B.V

registered office: MARCHANTSTRAAT, 55 7300 AA APELDOORN (Holanda - Países Bajos)

supplies: Solar collectors

in compliance with: UNE-EN 12975-1:2006 (EN 12975-1:2006)
UNE-EN 12975-2:2006 (EN 12975-2:2006)

Trade Mark: BAXI SB 20+ V

Technical Information: Specified in Annex to the Certificate

Production site: CL MANGANÉS, 2 08755 CASTELLBISBAL (Barcelona - España)

Certification scheme: In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 78.01

Issued on: 2012-07-24
Validity date: 2017-07-24

AENOR Asociación Española de
Normalización y Certificación

Avelino BRITO
Chief Executive Officer

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Certificate No.	078/000105
Date of issue	24-07-2012

Integration in the roof possible?	Yes
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Collector efficiency parameters related to aperture area (A_a)	h_{0a}	0,817	-
Type of fluid and flow rate see note 1	a_{1a}	3,716	W/(m ² K)
	a_{2a}	0,018	W/(m ² K ²)

Stagnation temperature - Weather conditions see note 2	t_{stg}	197	°C
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Effective thermal capacity	$C_{\text{eff}} = C/A_3$	6.89	$\text{kJ}/(\text{m}^2\text{K})$
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Max. operation pressure - see note 3	p_{max}	1000	kPa
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	$G_{\text{ref}}/G_{\text{ref}}$	A/A	50°	10°	30°	30°	40°	50°	60°
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Incidence angle modifiers $K_0(\theta)$	G_{DIFF}/G_{TOT}		$K_0(\theta_i)$	$K_0(\theta_j)$	10	20	30	40	60	70
	min	max								
	G_{DIFF}/G_{TOT} : min&max - while measuring	0,1								
					Optional values					

Testing Laboratory	ITW Energie und Umwelt GmbH
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Testing Laboratory	TUV Energie und Umwelt GmbH
Website	www.eco-tuv.de
Test report id. number	21217926_EN_P1_SOL200V; 21217926_EN_P_SOL250V; 21217926_EN_R_SOL250V
Date of test report	all 04-06-2012
Perf. test method	EN 12975-2 6.1.5 (indoor)

Comments of testing laboratory :

Note 1	Fluid	Water	Flow rate	0.021 kg/s per m ²
Note 2	Irradiance, G _s =1000 W/m ² Ambient temperature, T _a =30 °C			
Note 3	Given by manufacturer			



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