EURO C20 AR-M
Flat Plate Collector

Top Performance with Anti-Reflex Glass

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SOL

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 03/05/14

12 Years of Collector Engineering

- sunarc® anti-reflex glass with an ultrafine nano surface structure increases the light transmissivity from 91% to 96%. The energy output improves by 6 to 10%.
- Selective vacuum coating of the absorber plate captures maximum solar heat and minimizes radiation losses.
- The all-copper absorber plate is ultrasonically welded to a double harp register.
- The 2.36 inch of insulation at the back side minimizes heat losses and assures high temperatures.
- Vertical and horizontal installation either on-roof or free-standing using TRIC.

RESURGAM CITY OF PORTLAND, MAINE
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Perfection in Detail – Top Rating

More Light Transmission for High Yields
The special nano-structure on the inner and outer s sunarc® anti-reflection glass increases the light tran 91 % to 96 %.
Depending on the situation, the increased transmission boosts the performance of the collector by up to 9 %!

Absorber with Optimized Heat Transfer
An ultrasonically welded full-plate absorber is the heart of the EURO C20 AR-M. The double harp absorber is made with a copper sheet using high selective coating and 10 riser pipes.

Top Rating
The EURO C20 AR-M has been tested and certified to SRCC OG100 standard. Thanks to its uncompromising design and quality, the collector rates at a top postion among the SRCC list.

Fast Track Mounting for Lasting Installations
The TRIC mounting systems made from corrosion resistant aluminium and stainless steel components stand for fast and reliable collector racking on the roof. The pre-assembled racking systems allow safe and stable mounting on tilted and flat roof with practically every type of roofing. All bolts are accessible from above, thus enabling time effective installations.

Collector Performance Rating for Clear Day, Cat. C

kBTU/ft² and day

EURO C20 AR-M / Collector Specification	
Collector area	Gross area 28.1 sqft (2.61 m²) Aperture area 25.4 sqft (2.36 m²)
Dimensions	7' x 4' x 4.3" (2151 x 1215 x 110 mm, L x W x H)
Casing	Aluminium frame with seamless side and 2.36 inch back insulation
Glass cover	0.16 inch solar safety glass with sunarc® anti-reflection surface, τ = 96 %
Absorber	Full surface absorber with highly selective vacuum coating; α = 95 %; ε = 5 %
Rating*	SRCC OG100 Collector Performance Rating: Clear Day, Category C: 32.4 kBTU/Day * SRCC Collector Certification Number: 100-2010035A

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