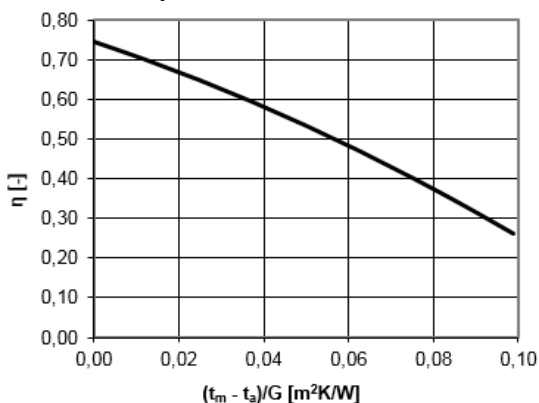
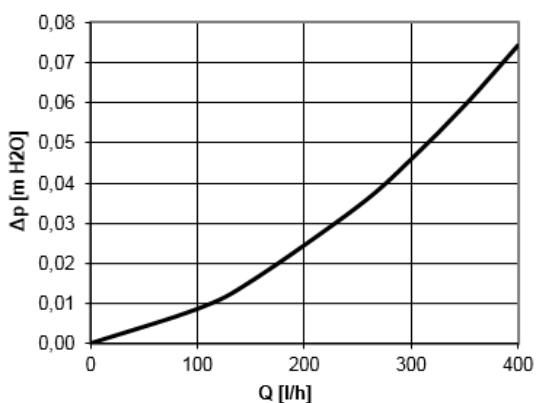


KPR11+ ANT

Diagram of collector efficiency related to aperture surface area

Collector pressure drop

Main features

Application	solar DHW heating, support space heating or pool heating
Description	flat plate solar collector
Working fluid	water-glycol mixture (max. 1:1)
Code	14 838

Dimensions and weights

Height x width x thickness	2030 x 1230 x 93 mm
Connection width	1280 mm
Gross area	2,49 m ²
Aperture area	2,29 m ²
Absorber area	2,26 m ²
Empty weight	50 kg

Glazing

Material	tempered prismatic glass
Thickness	4 mm

Absorber

Material	aluminium, 0,5 mm thick
Surface coating	TiNOx
Design	harp type, laser welded
Header tube material	copper
Header tube dimension	4 x Ø 22 mm x 0,7 mm
Riser tube material	copper
Riser tube dimension	11 x Ø 8 mm x 0,5 mm
Max. working pressure	10 bar
Max. working temperature	120 °C
Stagnation temperature	193 °C
Heat transfer fluid	1,64 l
Recommended flow rate	60 - 120 l/h

Thermal insulation

Insulation material	mineral wool
Insulation thickness	40 mm

Frame

Frame material	aluminium alloy
Frame colour	RAL 7016 (grey anthracite)
Back plate	zinc-plated steel, 0,5 mm thick

Collector efficiency parameters related to aperture surface area

η_{0a}	0,745
a_{1a}	3,556 W/m ² K
a_{2a}	0,017 W/m ² K ²

Maximal collector output at 1000 W/m² solar irradiance

Q_{max}	1 706 W
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Incidence angle modifier

K_{θ}	0,874
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Tested to EN 12 975-1:2006 and Solar Keymark certified.