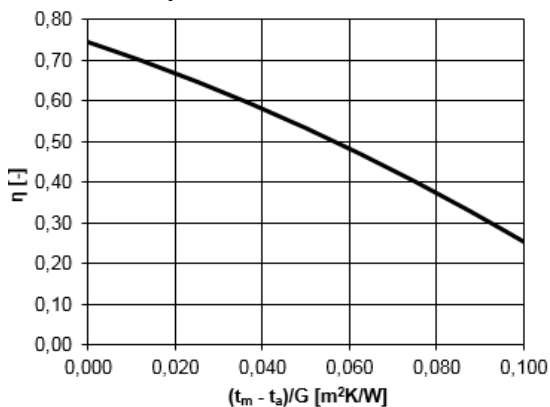
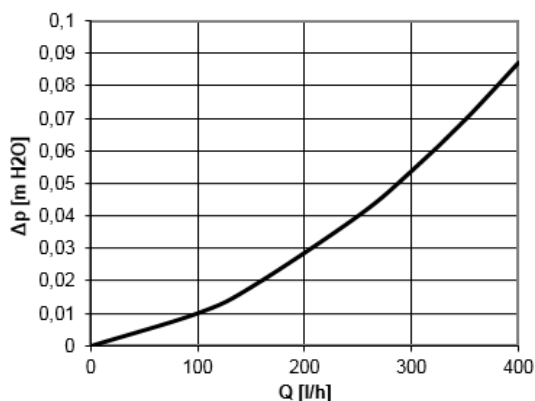


**KPR1+ ANT**

**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)
<b>Code</b>	<b>14 837</b>

**Dimensions and weights**

Height x width x thickness	2030 x 1027 x 92 mm
Connection width	1077 mm
Gross area	2,08 m <sup>2</sup>
Aperture area	1,91 m <sup>2</sup>
Absorber area	1,91 m <sup>2</sup>
Empty weight	42 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	9 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	1,37 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**

$\eta_{0a}$	0,745
$a_{1a}$	3,556 W/m <sup>2</sup> K
$a_{2a}$	0,017 W/m <sup>2</sup> K <sup>2</sup>

**Maximal collector output at 1000 W/m<sup>2</sup> solar irradiance**

$Q_{max}$	1 423 W
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**Incidence angle modifier**

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