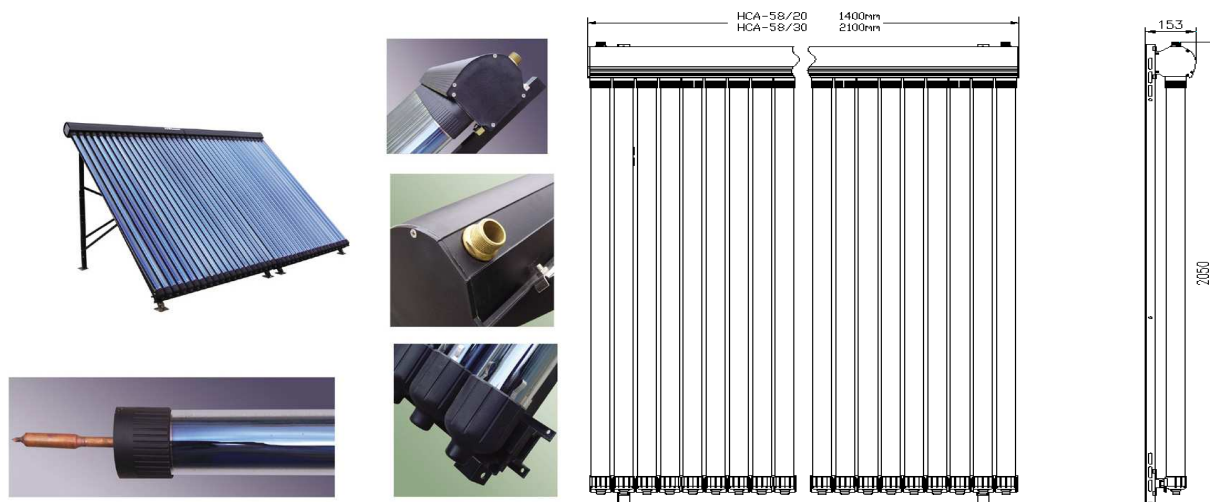


Tehnični list kolektorjev SIKOL HCA 58 20/30



TEHNIČNE INFORMACIJE IZDELKA		
Model	HCA 58/20	HCA 58/30
Število cevi	20	30
Tip cevi	Heat pipe (vroča cev)	Heat pipe (vroča cev)
Dimenzije (D×Š×G)	2050×1400×154	2050×2100×154
Brutto površina	2,829 m ²	4,189 m ²
Absorbcijska površina	1,905 m ²	2,834 m ²
Max stagnacijska temperatura 30°C/1000 W/m² po testu EN12975-2:2006	199 °C	199 °C
Teža (Prazni)	66,5 kg	95 kg
Prostornina kolektorja	1.2L	1.7L
Priključek	G3/4"	G3/4"
Absorbcija	≥92%	≥92%
Najnižja dovoljena temperatura	-35 °C	-35 °C
Odpornost na točo	do 30 mm	do 30 mm
Max. dovoljeni tlak v sistemu	6 bar	6 bar
Max. pretok	1200 l/h	1200 l/h
Max moč (pri osončenju 1000 Wm⁻²)	1236 [W]	1858 [W]

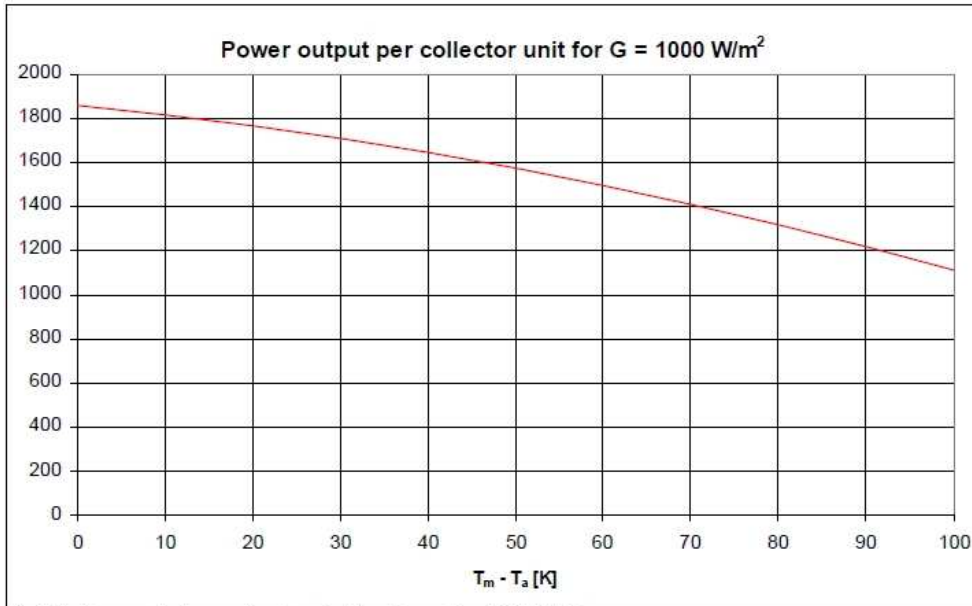


Fig. 2.2: Power output per collector unit at irradiance G = 1000 W/m²

2.3.2.3 Power output per collector unit

$T_m - T_a$	Global irradiance G		
	G=400 W/m²	G=700 W/m²	G=1000 W/m²
10 K	700 W	1258 W	1815 W
30 K	593 W	1150 W	1708 W
50 K	458 W	1015 W	1573 W

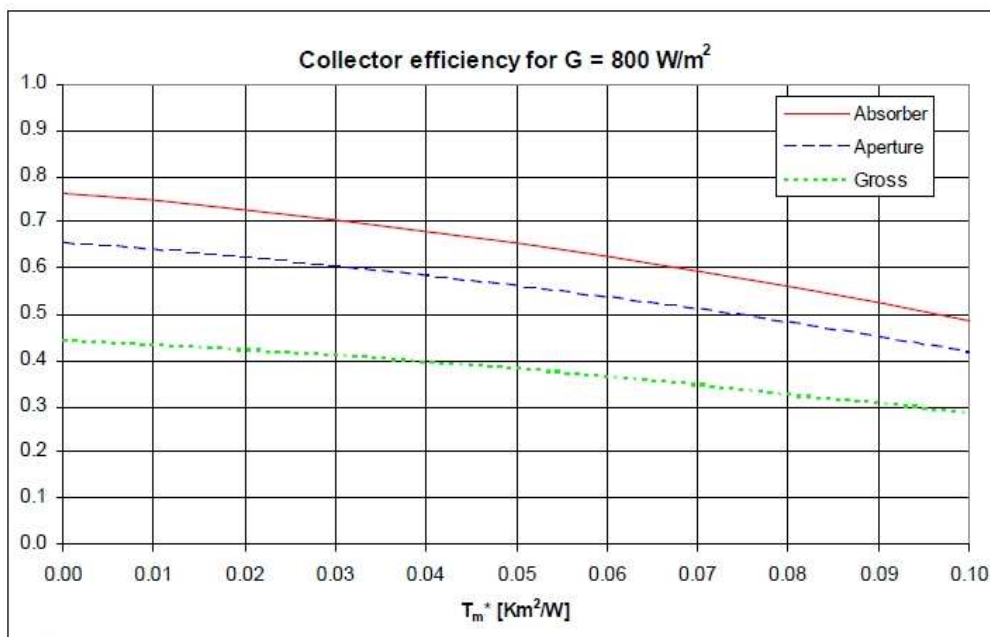


Fig. 2.3: Efficiency diagram for G = 800 W/m²

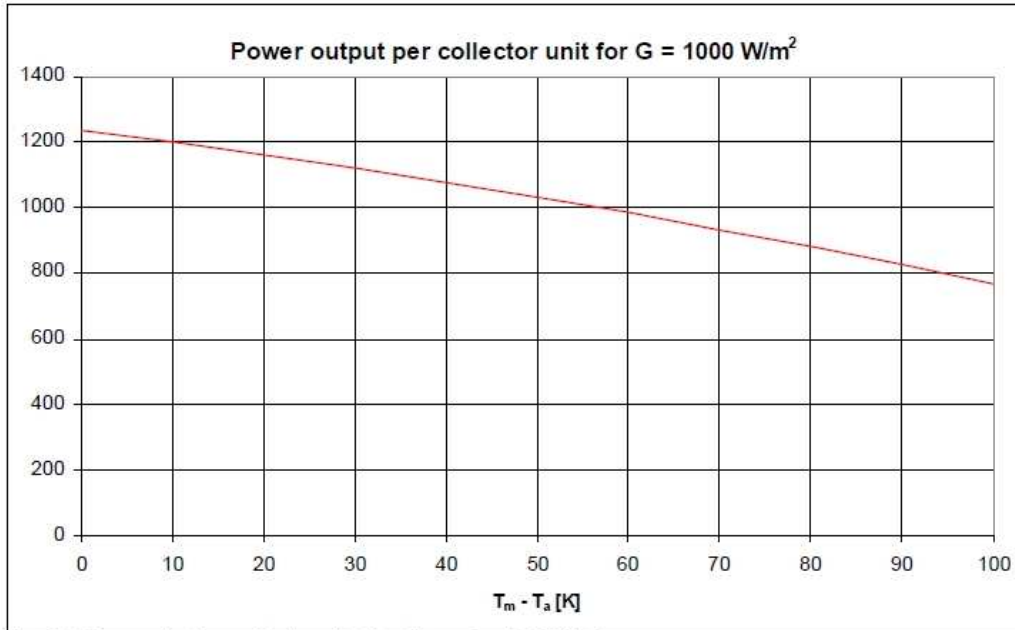


Fig. 2.2: Power output per collector unit at irradiance G = 1000 W/m²

2.3.2.3 Power output per collector unit

$T_m - T_a$	Global irradiance G		
	G=400 W/m²	G=700 W/m²	G=1000 W/m²
10 K	459 W	830 W	1200 W
30 K	380 W	751 W	1122 W
50 K	291 W	662 W	1033 W

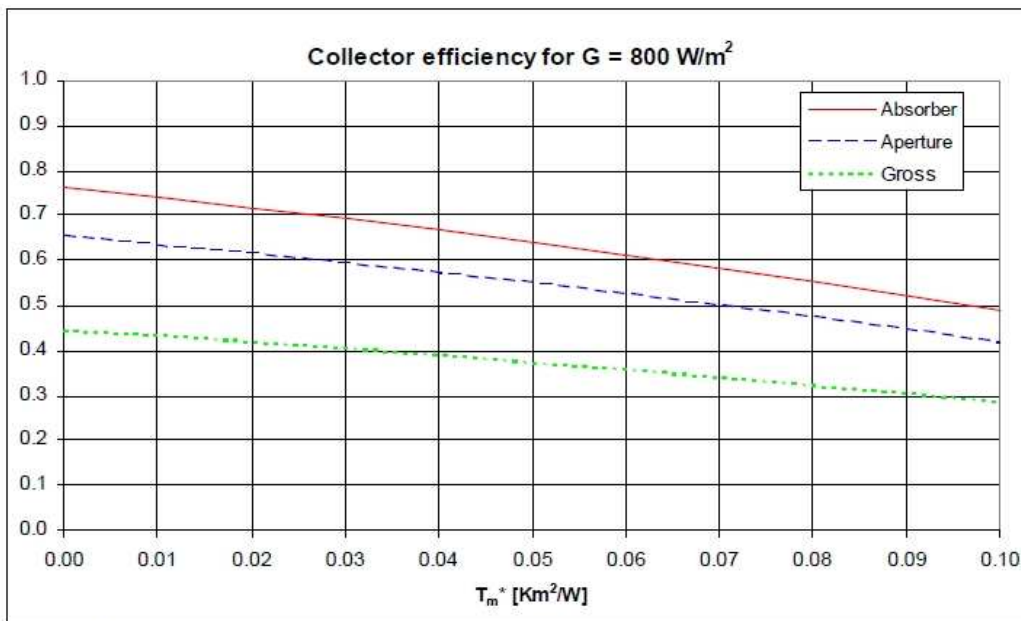


Fig. 2.3: Efficiency diagram for G = 800 W/m²

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