

SOLARUS CPC-T-1500W

(Preliminary Technical Specification)



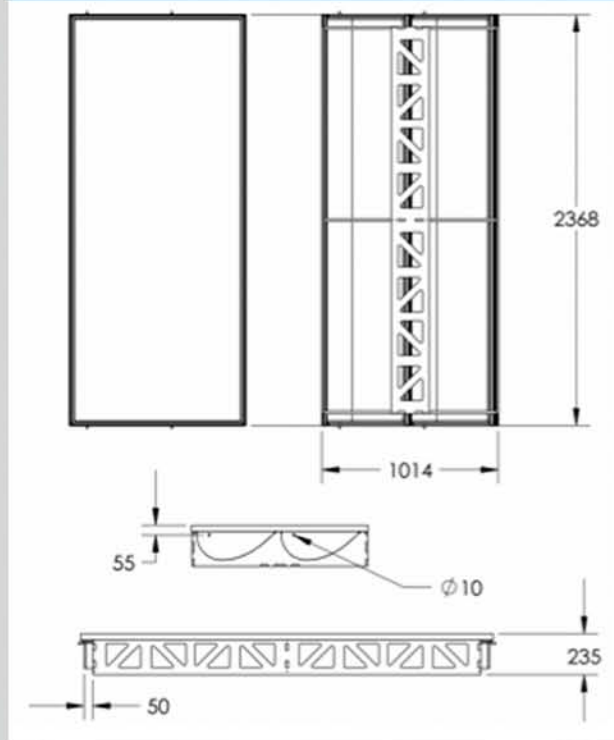
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SOLARUS
Unlocking Solar Energy

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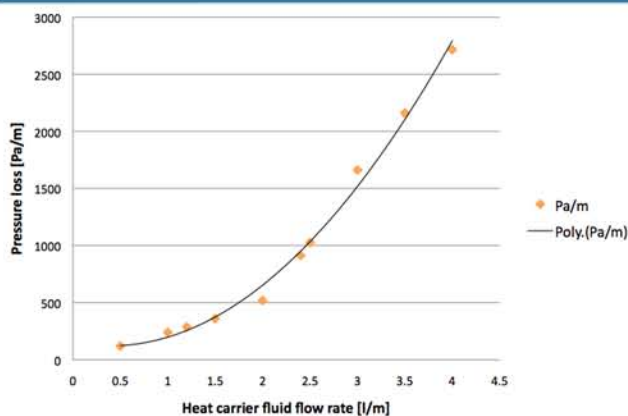
Drawings



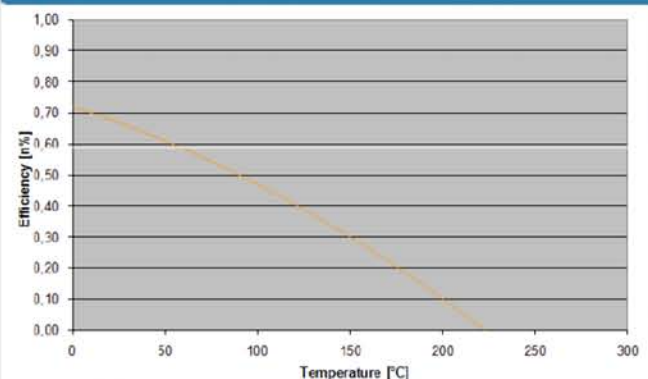
Technical Specification

Type	CPC
Design	Asymmetric lateral axis compound parabolic concentrator
Collector gross area	2.4 m ²
Collector Aperture area	2.2 m ²
Absorber surface area	0.68 m ²
Reflector aperture area	1.86 m ²
Frame	Anodized aluminum
Reflector support box	Fiber reinforced composite material
Dimension (L x W x H)	2368 mm x 1014 mm x 235 mm
Weight	33 Kg
Cover	4 mm safety glass, antireflection surface, super transparent, hailstone safe
Connections	10mm (outer diameter)
Thermal Insulation	1.9 W/m ² & °K
Absorber	
Material	Aluminum plate on copper tube
Absorber coating	Ni/NiO ₂ , a=0,96, e=0,07
Efficiency	0,971%
Peak Power	1500 Watt per collector
Capacity antifreeze	0.364 L/module
Max working pressure	10 bar
Stagnation Temperature	200°C
Installation	On roof, free standing, heliostatic tracker
Installation method	Fixed or with lateral tracking axis
	Roof angle from 10- 45° slope

Pressure Drop



Thermal Efficiency



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