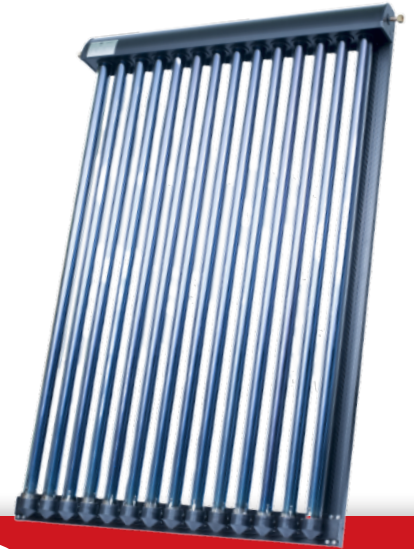




HONE 501 T Thermal Panels

Introducing the next generation of high temperature and high performance residential & commercial renewable heating & cooling solutions

HONE® Series 501 Thermal Panels with proprietary nanotechnology innovation for high performance heating & cooling make it the leading choice for both residential and commercial renewable heating & cooling applications. The weather protected aluminium exterior in all black keeps the product looking fresh with a 50 year design life. HONE® thermal systems are tuned to harvest daylight rather than sunlight so they are optimised for the built environment. HONE® Thermal Systems have unrivalled winter performance and performance in low light levels which makes them ideal for all year round renewable production.



- ALL BLACK
- MARINE GRADE
- DAYLIGHT OPTIMISED
- STRONG & DURABLE
- 20 YEAR HONE WARRANTY
- Premium Class Protective Coated Aluminium

Performance
High output under low light conditions using advanced nanotechnology

Versatility
Salt mist corrosion resistant, perfect for harsh marine climatic conditions

Reliability
Durable and reliable panels due to stringent quality control measures, testing and strict selection of raw materials and components

Design and Innovation
HONE is committed to innovation and constantly working to provide the most advanced renewable technology, with a 50 year design life

Warranty

- 20 YEAR Up to 20 Year Warranty
- 50 YEAR 50 Year Design Life
- Fully Recyclable

Certifications

ISO 9806, EN12975, Solar Keymark, Flexi-Orb (UK), MCS (UK), SEAI (IE), BAFA Germany Keymark FR, Keymark ES, Keymark NL, Keymark DE, Keymark, Keymark PL, Keymark IT, Keymark CH, Keymark AT, SRCC USA, OG-100, OFGEM, ACA, Triple-E, NZS/AS



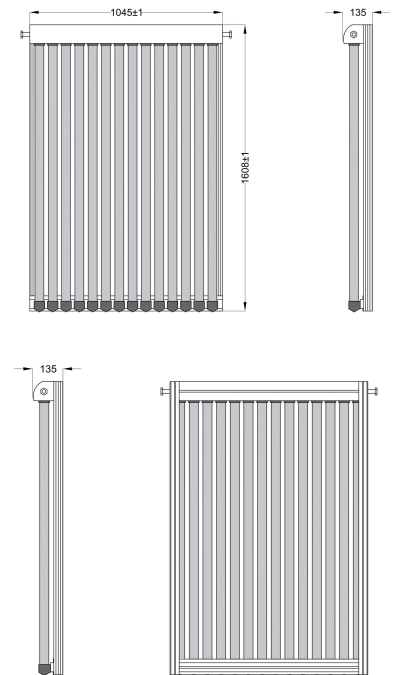
Technical Data

Please follow the correct install design methodology by downloading the drawings and diagrams from our website.

Thermal Specifications

Model	
Technology	HONE 501T (thermal)
No of tubes	14
Gross Area	1.69 m ²
Aperture	0.88 m ²
Dimensions	1608 mm x 1045 mm x 135 mm
Connections	15 mm
Weight	34.5 KG
Volume	1.92 L
Mountings	Any type: wall, ground, pitch, flat
Nominal flow rate	240 L/H
Max Op pressure	1 MPa
Max temperature	150° C
Stagnation	254.4° C.
Tilt angle	15° to 90 ° from horizontal
Pressure Drop	At flow rate 3.0 L/min 26.6 mBar
Angle of Tilt	0° to 90° from horizontal
Max recommended continuous wind load	80 mph (36 m/s)
Permissible snow load	500 mm (see page 23 manual)
NOa	0.75
A1	2.368
A2	0.000
IAM	1.13

Panel Diagram:



Thermal Curves:

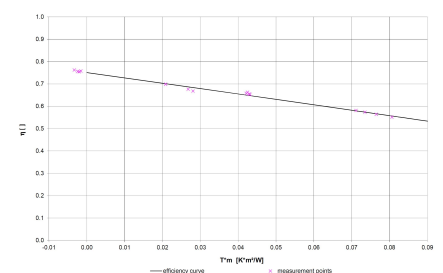
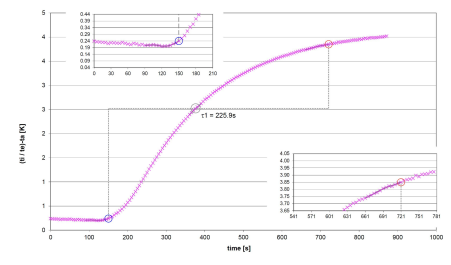
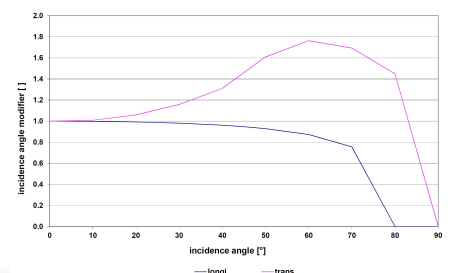


Figure A1.1: efficiency curve over reduced temperature difference at 1000W/m² irradiation



System Description

The HONE® system is more than the panels. The high energy performance comes from a full system design and specification. HONE® solutions come as full kits as most of the components **require** higher specifications than legacy solar hot water designs.

HONE® Thermal systems come with control & monitoring options, can be used for renewable hot water & central heating production and/or cooling solutions.

Packing Details

Container	20'GP	40'HQ
Pieces per pallet	-	-
Pallets per container	-	-
Pieces per container	74	188

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PHOTONOMI
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