

SOLAR THERMOSYPHON



Rheem Solar Thermosyphon System: designed with an extremely durable storage tank

Performance:

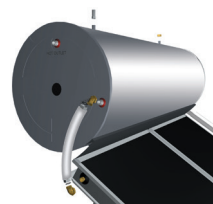
- 2.5 - 3mm metallic storage tank of Rheem Solar Thermosyphon Water Heaters, tested to DIN 4800-5, for much higher resistant to high pressure water supply networks as most ordinary solar water heaters.
- One single absorber sheet with selective titanium treatment, ultrasonic welded onto copper pipes and solar tempered glass with specialized crystals for minimum sun reflection and higher output.
- Double insulation made from 40mm thick rockwool in the back side and 20mm thick fiberglass placed on the sides, for high performance and minimum heat losses from the collector.

Longer Life:

- Rheem Solar Thermosyphon storage tank has an exterior casing made from anodized aluminum, which is extremely durable to ultra-violet rays, in humid climates, and in coastal areas.
- The advanced design of the sealed jacket around the storage tank guarantees the operation of the system in freezing conditions, and also secures the collectors against corrosion and from interior clogging.
- Interior protection of the water tanks with double "direct" glass enameling baked at 850°C. The tanks has a long life span, even in waters with high salinity content.

5 STEPS EASY INSTALLATION

- 1 Assemble frame
- 2 Install Tank
- 3 Install collector(s)
- 4 Install connections
- 5 Fill Glycol



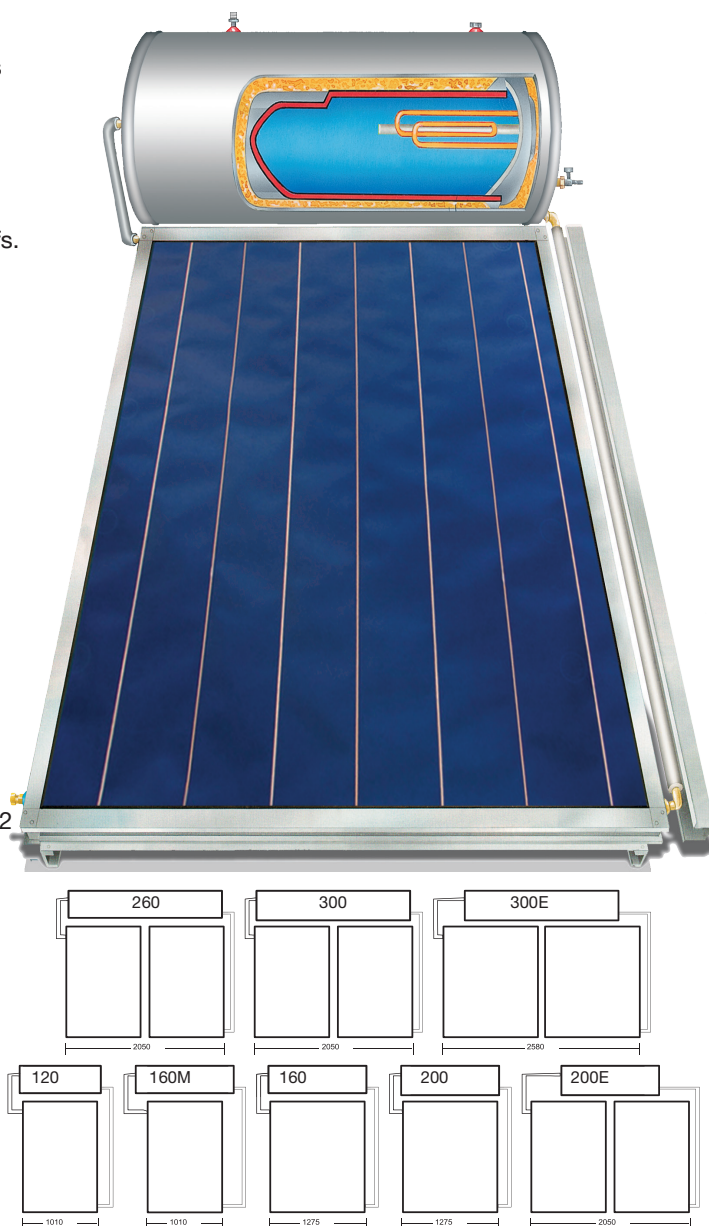
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Features:

- The Rheem Solar Thermosyphon Water Heaters collector has a special Tempered Glass(4mm thick), to withstand hail and prevent any accidents.
- The excellent outer design of the unit along with the well Designed support base, allow for the easy and adjustable installation of the unit on top of tiled or any other type of roofs.
- The side coverings of the collector protect the connection pipes from the ultraviolet rays and offer at the same time a nice aesthetic look that could be incorporated in every architectural building design.
- Magnesium rod offers and additional protection in the tank and its position allows an easy and quick replacement.

Technical specifications of the collector:

1. External frame : anodized aluminium profile
2. Back side : galvanized sheet - 0,4 mm
3. Back insulation : rock wool 35 mm
4. Side insulation : glass-wool of 20 mm
5. Absorber : one plate sheet with selective titanium treatment
6. Absorber's tubes : copper pipes, Risers Ø 10 & Headers Ø 22
7. Cover : solar tempered glass
8. Water-tightness : EPDM rubber/transparent silicone



| Rheem MODEL | STORAGE TANK | | | COLLECTOR | | | | | SUPPORT BASE | TOTAL WEIGHT | |
|----------------|--------------------|----------------|------------------------------|--------------------|------------|---------|---------------------------------|------------------|-----------------|-------------------------|--------------|
| | Dimensions (mm) | Weight (kg) | Cylinder Pressure test | Dimensions (mm) | Collectors | Surface | Weight kg (per collector) | Pressure test | Weight (kg) | EMPTY Kg (+/- 5%) | FULL (kg) |
| 120 | 530x1100 | 48 | 10 BAR | 2050x1010x90 | 1 | 2,10 | 36 | 10 BAR | 24 | 108 | 231 |
| 160M | 530x1320 | 59 | 10 BAR | 2050x1010x90 | 1 | 2,10 | 36 | 10 BAR | 24 | 119 | 281 |
| 160 | 530x1320 | 59 | 10 BAR | 2050x1275x90 | 1 | 2,62 | 45 | 10 BAR | 24 | 128 | 290 |
| 200 | 570x1320 | 65 | 10 BAR | 2050x1275x90 | 1 | 2,62 | 45 | 10 BAR | 24 | 134 | 338 |
| 200E | 570x1320 | 65 | 10 BAR | 2050x1010x90 | 2 | 2,10 | 36 | 10 BAR | 26 | 163 | 376 |
| 300 | 570x2050 | 110 | 10 BAR | 2050x1010x90 | 2 | 2,10 | 36 | 10 BAR | 32 | 214 | 469 |
| 300E | 570x2050 | 110 | 10 BAR | 2050x1275x90 | 2 | 2,62 | 45 | 10 BAR | 32 | 232 | 520 |

