The Rheem Solar Thermosyphon water heater line is engineered for longer life with quality storage tank casing

**Performance**
- 2.5 - 3 mm 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 fibre glass 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 aluminium, which is extremely durable to ultra-violet rays, resists humid climates, and 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 enamelling baked at 850°C. The tanks has a long life span, even in waters with high salinity content.

**Features**
- Rheem Solar Thermosyphon Water Heaters can be delivered, upon a special order, with a tube heat exchange built-in to the electric resistance. The tube heat exchanger can be connected with the central heating system achieving more energy saving.
- The Rheem Solar Thermosyphon Water Heaters collector has a special Tempered Glass (4mm thick), to withstand hale 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 an additional protection in the tank and its position allows an easy and quick replacement.
- Rheem Solar Thermosyphon Water Heater is manufactured under the strictest international standard specifications and its production is inspected at each production stage. All units have a special identification quality and inspection badge proving they have been inspected to ensure the highest quality.

**Solar Thermosyphon**
- 120 to 200-Liter Capacities with one collector
- 200 to 300-Liter Capacities with two collectors
- 10 BAR Pressure Tested
- Closed Circuit Natural Circulation

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### EXTERNAL DIMENSIONS - ALL MODELS

<table>
<thead>
<tr>
<th>Model</th>
<th>Storage Tank</th>
<th>Collector</th>
<th>Support Base</th>
<th>Total Weight</th>
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</thead>
<tbody>
<tr>
<td>160E</td>
<td>530x1100</td>
<td>62</td>
<td>1 BAR</td>
<td>105</td>
</tr>
<tr>
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In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

Rheem Manufacturing MEA FZE
Dubai Airport Free Zone - Dubai, UAE
www.rheem-mea.com
TECHNICAL SPECIFICATIONS OF THE STORAGE TANK CLOSED CIRCUIT TANK (INDIRECT)

- External casing: anodized aluminium
- Tank’s insulation: polyurethane foam 40-60 mm
- Cylinder’s material: low carbon steel 2,5 mm
- Jacket’s material: low carbon steel 1,5 mm
- Cylinder Internal Protection: glass enameling
- Additional protection: magnesium rod
- Electric resistance: copper
- Thermostat: bipolar of four contacts
- Power rate: available from 0,8kw – 4kw

TECHNICAL SPECIFICATIONS OF THE STORAGE TANK OPEN CIRCUIT TANK (DIRECT)

- External casing: anodized aluminium
- Tank’s insulation: polyurethane foam 40-60 mm
- Cylinder’s material: low carbon steel 2,5 mm
- Cylinder Internal Protection: glass enameling
- Additional protection: magnesium rod
- Electric resistance: copper
- Thermostat: bipolar of four contacts
- Power rate: available from 0,8kw – 4kw

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 piece plate sheet with selective titanium treatment
6. Absorber’s tubes: copper pipes, Risers Ø10 & Headers Ø22
7. Cover: solar tempered glass
8. Water-tightness: EPDM rubber/transparent silicone

EXTERNAL DIMENSIONS - ALL MODELS

Rheem MODEL | Dimensions | Weight | Cylinder | Dimensions | Collectors | Surface | Weight (per collector) | Pressure test | Weight | EMPTY |
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*Rheem Manufacturing MEA reserves the right to change the specifications of the product and/or their accessories without prior notice.