

Kelvinator Thermosiphon

Information



Thermosiphon Features

Solar electric boosted thermosiphon hot water system with 2 flat panels and a 300L storage tank

- Hot water compliments of the sun
- Electric boost for cooler days when there is insufficient heat from the sun
- Connect to Off Peak 2 power supply for lower energy bills
- Tank on the roof to free up valuable ground space
- No pump required
- Reinforced tempered 4mm glass solar collector panels
- TiNOx absorbing coating for increased efficiency
- Full mains pressure

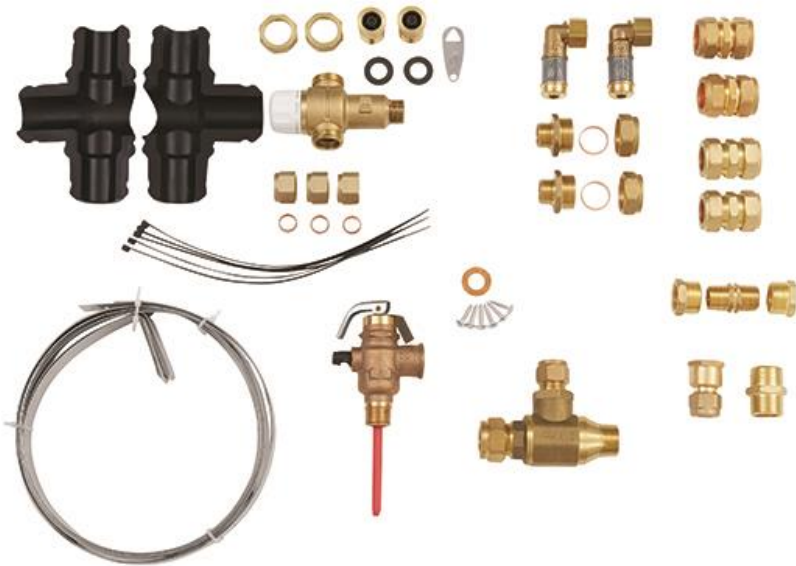
Thermosiphon Kit

- Kit code KSTE300F2A
- Kit includes all components required:
 - KCT300TSA 300L storage tank
 - KCPF20A Flat panel solar collector (2 panels required)
 - KKSTF2MA Mounting frame
 - KKSTRA Piping kit
 - KKSTTA Decorative end caps (2 in a single package)

KSTE300F2A



Kit Components



Thermosiphon Features

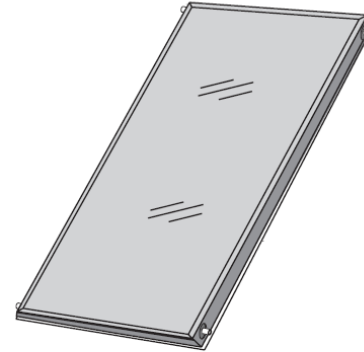
- 2 flat panel solar collectors
 - TiNox selective absorbing coated flat panels
 - Tempered and reinforced low iron 4mm glass
 - Suitable for temperatures down to -5°C (with supplied frost valves fitted)
- 300L Electric boosted tank
 - Suitable for a 3-5 person household
 - 3.6kW boost element
 - 220-240V/50Hz supply 15A current
 - Sacrificial anode
 - Y class enamel
 - 850kPa operating pressure

Tank Specifications



Storage tank	KCT300TSA
Diameter (mm)	600
Length (mm)	1776
Tank capacity (L)	300
Net weight (kg)	110
Element rating (kW)	3.6
PTR valve pressure limit (kPa)	850
PTR valve temperature limit (°C)	99
PTR valve max energy release (kW)	10

Panel Specifications



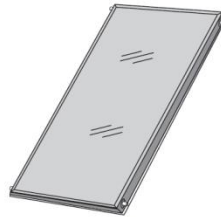
Collector	Flat panel (KCPF20A)
Collector dimensions per panel (mm)	length 2002 x width 1025 x depth 80
Gross surface area	2.05m ²
Aperture surface	1.81m ²
Net weight	34.5kg
Max. pressure.	1000kPa
Stagnation maximum temperature	199°C
Header pipe outer diameter	22mm
Collector frame material	Aluminium
Absorber material	0.12mm copper fin with TiNOx selective coating
Glazing	4mm low iron tempered patterned glass
Insulation material	40mm glass wool

STC Rebates

Your thermosiphon hot water system



hot water storage tank



solar flat panel collector

When calling the service centre, please refer to this section of the user manual as it will help in describing the details of the installation and quoting the model numbers. The system model number will be required in order to claim your STC's (small scale technology certificates) and can be found in the table below:

Tank model no.	Collector model no.	Power supply	System model no.
KCT300TSA	KCPF20A	Continuous	KSTE300F2A-C
		Extended off peak	KSTE300F2A-OP2

Note: If this water heater has been installed on standard off peak against the recommendations of the manufacturer, it may not be eligible for STCs.

- STC rebates available
- Depend on whether connected to continuous or off peak power
- May not be claimable if
 - panels not orientated correctly
 - connected to standard off peak power (not recommended)

System	% Annual Energy Savings				STC Entitlement			
	Z1	Z2	Z3	Z4	Z1	Z2	Z3	Z4
KSTE300F2A-C	78.2	85.8	60.1	46.9	37	41	35	30
KSTE300F2A-OP2	78.1	85.8	60.3	47.4	37	41	35	30

On Line STC Calculator

<https://www.rec-registry.gov.au/rec-registry/app/calculators/swh-stc-calculator>

Solar water heater STC calculator

Calculate the number small-scale technology certificates (STCs) for solar water heater or air source heat pump systems

Please note that STCs can only be created within 12 months of the installation of an eligible system. See [creating small-scale technology certificates](#) for more information.

Disclaimer

The solar water heater calculator is designed to assist members of the public to determine the approximate number of small-scale technology certificates (STCs) that may be created under the Small-scale Renewable Energy Scheme (SRES) in relation to an installation. The calculator is designed as an approximate guide only, and does not provide an accurate assessment of the number of STCs that can be created for an installation.

You should be aware that:

- the calculator does not take into account all of the variables which may affect the calculation of the STCs for an installation, and
- the calculator is based on data which may be updated from time to time and therefore results using the calculator may vary over time.

In order to accurately calculate the number of STCs that can be created for an installation, you will need to consult the *Renewable Energy (Electricity) Act 2000* and the *Renewable Energy (Electricity) Regulations*.

System brand: *

Kelvinator ▼

System model: *

KSTE300F2A-OP2 ▼

What is the expected installation date of your system (dd/mm/yyyy)? *

16/09/2015

What is the postcode of the installation address? *

2000

Have you read and understood the disclaimer?

Calculator result

System type: Solar water heater
Postcode zone: 3
Number of STCs: 35

See [creating small-scale technology certificates](#) for more information

Calculate