

RENEWABLE HOT WATER



HEAT PUMP

SOLAHART ATMOS® ECO SPLIT 5kW



The Solahart Atmos® Eco Split 5kW Heat Pump is a smart, energy-efficient heat pump, designed for people looking for an energy-efficient alternative to an electric water heater but whose homes may not be suitable to install a solar hot water system and whose outdoor space is limited. This outstanding two-part unit comprises a refrigeration/heat exchanger module that's similar to a split air-conditioner, and a water tank which can be installed near, or at a distance, depending on the requirement.

Like other heat pumps, the Atmos Eco Split Heat Pump uses the heat from the surrounding air to heat water and provide a reliable, efficient and sustainable way to reduce your water heating energy consumption.

Product Features

- 4.5kW heating capacity split unit at 19°C
- High COP¹ – Coefficient of Performance of 4.5 @ 19°C
- Provides faster water heating
- Suitable for cold climates with an operating range from -7°C - 43°C
- Suitable for good water conditions²
- Energy savings of up to 78%³
- User-friendly touchscreen LED display controller on units
- Eligible for STCs (may be eligible for additional incentives in some states)
- 10-year cylinder warranty⁴
- Vitreous Enamel Tanks available in 320L
- Uses ULTRA LOW GWP R290 refrigerant with a GWP of 0.02

How you benefit:



FLEXIBLE INSTALLATION

For homes with limited outdoor space, the tank can be installed separately



WORKS DAY & NIGHT

Draws heat from the surrounding air and doesn't rely on direct sunlight to operate.



CUT YOUR ENERGY USAGE

Can save up to 78% on your water heating energy consumption, compared to an electric water heater in Zone 3.



COLD-CLIMATE FRIENDLY

Works in a wide range of Aussie climates from -7°C to +43°C.



BUILT AUSSIE TOUGH

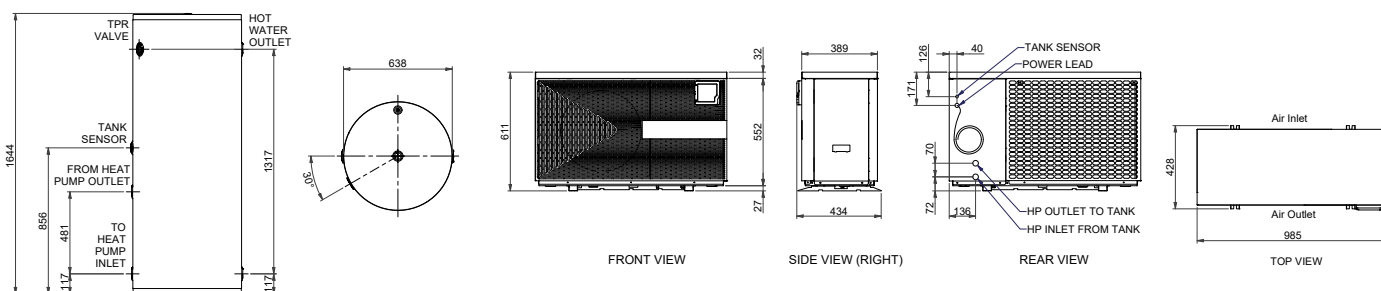
Suitable for good water conditions and comes with 10-year cylinder warranty.

TANK DIMENSIONS		T32SHER05
TANK	UNIT	VITREOUS ENAMEL
CER Submitted		315
Nominal / Storage Capacity	litres	320
Tank Height	mm	1640
Tank Width	mm	640
Tank Depth	mm	640
Tank Weight - Empty	kg	89
Tank weight - Cartoned	kg	96
Tank weight - Full	kg	414
TPR Valve Setting	kPa	1000
Expansion Control Valve (ECV) Setting	kPa	850
Maximum Water Supply Pressure		
- With ECV	kPa	680
- Without ECV	kPa	800
Water connections		Rp 3/4

HEAT PUMP PERFORMANCE SPECIFICATIONS				
Ambient air temperature	Relative Humidity	Average heating capacity (kW)	Recovery rate @ 45°C rise (L/hr)	Average Coefficient of Performance (COP) ¹
9.5°C	87%	3.7	70	3.8
19°C	65%	4.6	87	4.5
32°C	37%	5.4	102	4.6
33°C	58%	5.9	112	5.1

⁷This is the TYPICAL power the appliance will draw when operating. ⁸This is the RATED POWER INPUT as specified in the AS/NZS 60335 test report. It is the maximum power the appliance will draw. ⁹This is the TYPICAL current draw when the appliance is operating. ¹⁰This is the RATED CURRENT as specified in the AS/NZS 60335 test report. It is the maximum current the appliance will draw.

ATMOS [®] ECO SPLIT 5kW		
MODEL	UNIT	32SHER05
Energy Efficiency (Saving) ⁴		
- @ Condition 4 -(33°C/26°C)		80%
- @ Condition 2 -(19°C/15°C)		78%
Hot Water Heating Capacity		
- @ Condition 4 -(33°C/26°C)	kW	5.9
- @ Condition 2 -(19°C/15°C)	kW	4.6
Coefficient of Performance (COP) ¹		
- @ -(33°C/26°C) (20-->60)		5.1
- @ -(19°C/15°C) (15-->60)		4.5
Hot Water Volume	L/h	87
Heating Power Input ⁷	kW	1.14
Maximum or Rated Power Input (AS/NZS 60335) ⁸	kW	1.75
Heating or Rated Current Input ⁹	Amp	4.7
Maximum Rated Current Input ¹⁰	Amp	7.3
Power Supply	V/Ph/Hz	220V - 240V-/50Hz
Noise ⁵	dB(A)	47
Default Outlet Set Temperature	°C	60
Maximum Outlet Water Temperature	°C	65
Operation Range	°C	-7 - 43
Defrosting		4-Way Valve
Refrigerant		R290
Cabinet		
- Net Weight	kg	66
- Gross / Cartoned Weight	kg	78
Split Unit Dimensions & Weight		
- Net Dimensions (L/W/H)	mm	985 / 389 / 611
- Shipping Dimensions (L/W/H)	mm	1080 / 460 / 750

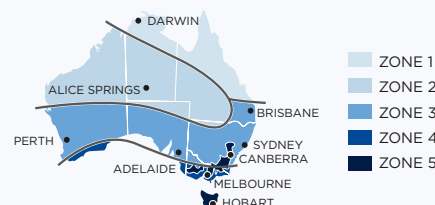


About STCs

Small-scale Technology Certificates (STCs) provide a financial incentive to encourage the installation of Solar and Heat Pump water heaters provided under a Federal Government legislated scheme.

This map shows the climate Zones within Australia which will define the number of STCs allocated to an approved Heat Pump water heater. Your installation may be eligible for STCs and may be eligible for an additional incentive in some states.

For more information on STCs visit www.solahart.com.au/stc-incentives



Specifications and designs included in this data sheet are subject to change without notice.

- The COP of 4.5 is the average value in the AS/NZS5125 performance test at 19°C ambient temperature over the entire heat-up process. Note that the actual COP of the product at any given time will be impacted by several factors, including the ambient and cold-water inlet temperatures at the place of installation and time of day/season of operation.
- Warranty limits regarding water chemistry. Harsh water regions - the Solahart warranty may not apply if the water heater is connected to a water supply which has a Total Dissolved Solids content >2500mg/L; is scaling with a Saturation Index >+0.8, or; is corrosive with a Saturation Index <-1.0.
- Energy savings of up to 78% and 80% are based on operation at Condition #2 & Condition #4 of AS/NZS 5125. Any savings will vary depending upon your location, type of water heater being replaced, hot water consumption and fuel tariff. Before installation - seek advice as to suitability to household usage and tariffs. The impact on an electricity account will depend on the tariff arrangement of the water heater being replaced and where you live. The water heater is recommended for connection to an uninterrupted 24 hour continuous tariff power supply. Depending upon the size of the household and its hot water requirements and if the Electricity Retailer permits, an extended off-peak (overnight and day) or Extended time controlled power supply connection of a minimum 16 hours per day may also be suitable. Before purchase consult your energy provider for more information on cost comparisons.
- Warranty Periods: 10 years supply on cylinder, 3 years labour on cylinder, 3 years supply on sealed system including labour, 1 year supply and labour on all other parts. Applies to a single-family domestic dwelling only. Conditions apply. See the Solahart warranty set out in the Owner's Guide and Installation Instructions or view at www.solahart.com.au/warranty
- Noise Level - A noise level of 47 dB(A) was measured at 1m from the water heater during a Noise Test conducted to Standard GB/T 23137-2008 in a semi-anechoic chamber within a laboratory. The noise level when installed may be higher due to sound reflections from adjacent walls and structures.
- No. of people recommended based on 7 min showers @ 42°C. Appliances using hot water should be counted as one (1) person.

Solahart Australia 1300 769 475 | solahart.com.au

Reorder code: SHDS/HP-180HDC

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