

Smart Lifestyle™
AUSTRALIA



SLA WATER

ELECTRIC HOT WATER
HEAT PUMP

200L | 300L



Make Savings Appear Out Of Thin Air With A Smart Lifestyle Australia Heat Pump

Harvest the free energy with the advanced Smart Lifestyle Australia Heat Pump. This renewable energy water heating technology uses up to 80% less energy than a conventional water heater, whilst providing reliable hot water all day and night.

USES UP TO
80%
LESS
ENERGY

Features



Modern & Stylish

A stylish slim line single piece unit incorporates a top-mounted compressor with compact footprint.



Highly Efficient

Produces significantly more heat energy than the power input; saving on purchased energy.



Handy Controller

Providing intuitive operation & helpful functions such as a temp setting, timer & safety lock.



Built-in Frost Protection

Protecting the condenser from icing for complete peace of mind.

Smart Technology

1kW Power Input



AIR

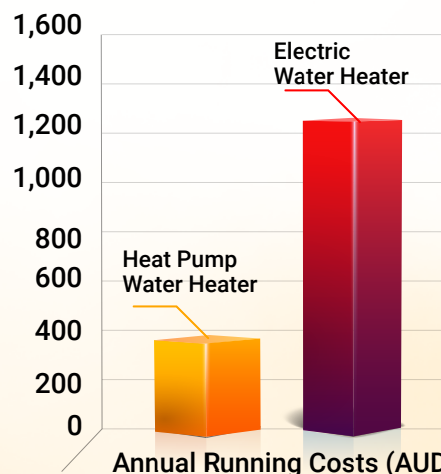
Heat Pump extracts around 4kW from surrounding air.

5kW Energy Into Water Heating

Heat pumps utilise an ingenious technology to efficiently transfer thermal energy directly from the surrounding air and into water, and so do not rely on direct sun or fossil fuels to provide an energy source.

A heat pump is like an energy multiplier. From 1kW of power input, it can create over 5kW's of output heat². That's a performance efficiency of remarkable 500%. Where as conventional electric storage water heaters can only convert 1kW of input into maximum of 1kW of output heat.

Energy Efficiency



*Estimations based on SLA-R25-300D-N4D4C in zone 3 under medium load, obtained from independent laboratory test results and followed by TRNSYS modelling and a retail electricity cost of \$0.30c per kWh.

Water heating accounts for nearly a quarter of the energy use and greenhouse gas emissions in the average Australian home.

Model:
SLA-R18-190D/N4A4

**1-2 Bedrooms
200L**



Model:
SLA-R25-300D-N4D4

**3-4 Bedrooms
300L**

Operational Modes



ECO (Heat Pump Only) Mode

The standard mode where the highest efficiency is achieved

Hybrid Mode

The Heat Pump & E-heater operates together to ensure the set temperature is achieved.

E-Heater

When the air temperature drops to below -7°C, the heat pump will automatically select E-heat mode for an electric hot water boost.

R290 Heat Pumps

R290 gas boasts high thermodynamic efficiency, making it a superior choice for heat pumps. Its environmentally friendly composition results in reduced greenhouse gas emissions, contributing to a cleaner planet.

Moreover, R290's non-toxic and non-corrosive characteristics enhance safety during operation and maintenance. By harnessing the power of R290 in our hot water heat pumps, we prioritize energy efficiency, cost-effectiveness, and sustainability, ensuring a comfortable environment while minimizing environmental impact."



Wide Operating Range

Operated as low as 5°C in ECO mode & between -20°C & 45°C with additional E-heat boost



Auto Disinfection

Providing intuitive operation & helpful functions such as temp setting, timer & safety lock



Low Operating Noise

Operating at a very low 49/50 dBA you will hardly know it's there!



Tank-Wrapped Condenser Coil

For efficient heat transfer & preventing water contamination

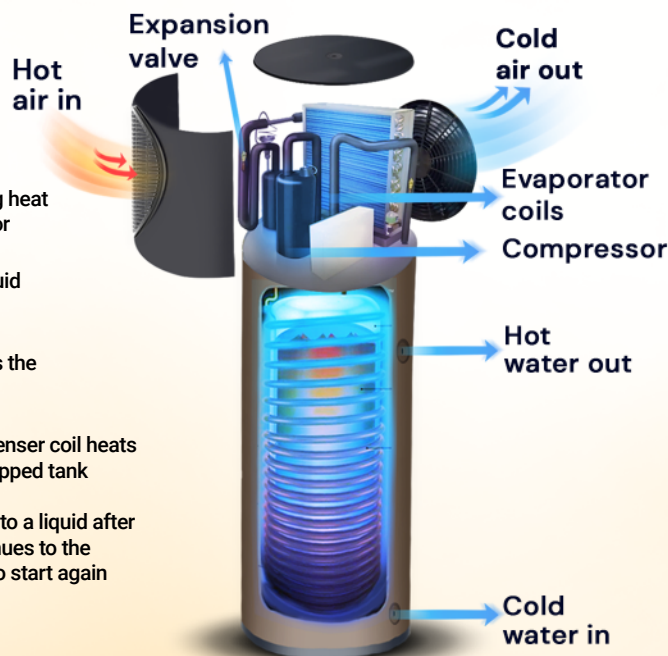


Power Outage Memory

Protecting the condenser from icing for complete peace of mind

HOW IT Works

- 1 A fan draws in air, containing heat energy, across the evaporator
- 2 The evaporator turns the liquid refrigerant into a gas
- 3 The compressor pressurizes the refrigerant into a hot gas
- 4 The hot gas inside the condenser coil heats the water inside the coil-wrapped tank
- 5 The refrigerant reverts back to a liquid after heating the water and continues to the evaporator for the process to start again



An energy efficient hot water system such as the Smart Lifestyle Australia heat pump is a great way for households to make substantial reductions in their energy consumption and cost of living.

A heat pump provides a quick and easy replacement of your old energy-hungry electric water heater, whilst also reducing CO2 emissions by over 4 tonnes, and saving you up to \$900* per year

Product Specifications

Model		SLA-R25-300D/N4D4	SLA-R25-300D/N4D4C
System Features			
Nominal tank volume	L	300	300
Heating capacity (Heat pump only)	kW	2.50	2.50
Input (Heat pump only)	W	480	480
EBH (Electric backup heater)	kW	2.0	2.0
COP		5.21	5.21
STC (Zone 1 / 2 / 3 / 4 / 5) 10 years		28 / 27 / 33 / 36 / 35	28 / 27 / 33 / 36 / 35
Power supply		220V-240V AC, 1 Ph, 50Hz	220V-240V AC, 1 Ph, 50Hz
Rated current (Heat pump only)	A	2.13	2.13
Maximum input power	kW	2.87	2.87
Maximum current	A	13.0	13.0
Air flow	m ³ /h	792	792
Maximum water temperature (Heat pump only)	°C	70	70
Hot water yield	L/h	52	52
Working ambient temperature (Heat pump only)		-10°C to 40°C	-10°C to 40°C
Sound pressure level	dB(A)	48 - 58	48 - 58
Maximum operating water pressure	kPa	800	800
Water resistance		IPx4	IPx4
Refrigerant type / Factory charged		R290 / 390g	R290 / 390g
Throttling type		Electric expansion valve	Electric expansion valve
Compressor			
Model		DSM135V11VDZ	DSM135V11VDZ
Type ×Quantity		Rotary x1	Rotary x1
Brand		GMCC	GMCC
Capacitor		20μF/450V	20μF - 450V
Cooling capacity	W	2250	2250
Rated input power	W	512	512
Current	A	2.38	2.38
Oil type / charged		XS-601C1 / 260ml	XS-601C1 / 260ml
Evaporator			
Rows		4	4
Fin material		Hydrophilic aluminum	Hydrophilic aluminum
Tube	Material	Inner groove copper tube	Inner groove copper tube
	Outside diameter	mm	Φ7
Fan motor			
Motor model		ZKFP-34-8-15	ZKFP-34-8-15
Brand		Welling	Welling
Motor type		BLDC	BLDC
Speed	RPM	900	900
Fan type ×Quantity		Axial ×1	Axial ×1
Fan diameter×Height	mm	Φ320×141	Φ320×141
Inner Tank			
Inner tank material		Enamel	Enamel
Inner tank outside diameter	mm	Φ550	Φ550
Wall-thickness (Inner tank wall / dome)	mm	2.5/3.0	2.5/3.0
Rated inner tank pressure	kPa	800.0	800.0
Insulation		Polyurethane	Polyurethane
Outer tank material		Galvanized steel	Galvanized steel
Condenser coil		Microchannel wrap-around to tank	Microchannel wrap-around to tank
Corrosion proof		Magnesium anode	Magnesium anode
Dimensions and Weight			
Inlet water pipe connection	mm	G3/4"	G3/4"
Outlet water pipe connection	mm	G3/4"	G3/4"
Condensing water connection	mm	1/2", internal thread	1/2", internal thread
Unit dimension (ΦD×H)	mm	Φ640×2,010	Φ640×2,010
Net weight	kg	129	129

Notes:

1. Specification may be changed for product improvement.
2. Please refer to the product nameplate
3. Test condition - Ambience: 19°C DB/15°C WB, initial water temperature 14°C, final water temperature 55°C

According to the standard AS/NZS 4234:2021 optimization and modeling of this product, the system will automatically switch to the default settings after 24 hours of running on any other settings.