

cyanergy

# Hot Water, Efficiently



## Smart Lifestyle<sup>™</sup> AUSTRALIA Heat Pump

300L | 200L

Residential Warranty



**5 Years**  
on compressor



**5 Years**  
on cylinder



**5 Years**  
on whole unit

# Make savings appear out of thin air with a Smart Lifestyle Australia Heat Pump

USES UP TO  
**75%  
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 temp setting, timer & safety lock



### Built in Frost Protection

Protecting the condenser from icing for complete peace of mind

Harvest the free energy with the advanced Smart Lifestyle Australia heat pump from Cyanergy.

This renewable energy water heating technology uses up to 75% less energy than a conventional water heater, whilst providing reliable hot water all day and night.

## Smart Technology

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

**AIR** Heat Pump extracts around 3kW from surrounding air.

**1kW**  
Power Input



**4kW**  
Energy into water heating

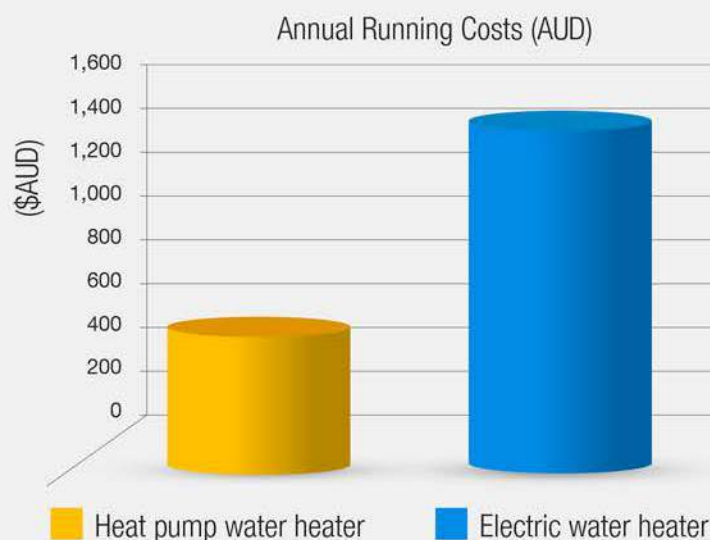
## Did you know?

A heat pump is like an energy multiplier. From 1 kW of power input, it can create over 4 kW's of output heat<sup>2</sup>. That's a performance efficiency of a remarkable 400%. Where as conventional electric storage water heaters can only convert 1 kW of input power into a maximum of 1 kW of output heat.

## Energy Efficiency

Did you know?

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



*\*Estimations based on SLA R18.300D/N3M in zone 3 under medium load, obtained from independent laboratory test results and followed by TRNSYS modeling and a retail electricity cost of \$0.30c per kWh.*



## Model

SLA-R18-300D/N3A4

**4+ PEOPLE**  
300L CAPACITY

## Model

SLA-R18-190D/N3A4

**1-4 PEOPLE**  
200L CAPACITY



### Smart Technology

With a Smart Lifestyle Australia heat pump, set up and operation monitoring is made simple thanks to an amazing, in built user-friendly controller.

### Operational modes

**ECO (Heat Pump Only) mode:** The standard mode where the highest efficiency is achieved

**Hybrid Mode:** The Heat Pump & E-heater operate 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-heater mode for an electric hot water boost



### Wide Operating Range

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



### Tank-Wrapped Condenser Coil

For efficient heat transfer & preventing water contamination



### Auto Disinfection

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



### Power Outage Memory

Protecting the condenser from icing for complete peace of mind



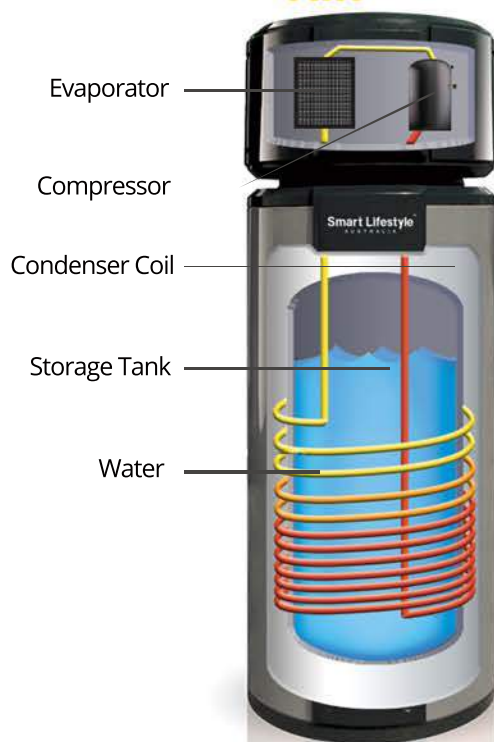
### Low Operating Noise

Operating at a very low 48/49 dBA you will hardly know it's there!



### 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 pressurises 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		Unit	200 Litre (SLA-R18-190D/N3A4)	300 Litre (SLA-R25-300D/N3D4)
Power supply			220-240V~, 1Ph, 50Hz	220-240V~, 1Ph, 50Hz
Nominal tank volume		L	193	290
Heating capacity (Heat pump only)		kW	1.7	2.5
EBH (Electric backup heater)		kW	2.0	2.0
Input (Heat pump only)		W	465	610
COP			3.65	4.10
Current (Heat pump only)		A	1.94	2.54
Max.leaving water temperature (Heat pump only)		°C	60	60
Hot water yield		L/h	36	52
Working ambient temperature (Heat pump only)			-7°C to 40°C	-7°C to 40°C
Sound pressure level		dB(A)	48	48
Water resistance			IP×4	IP×4
Refrigerant type			R134a	R134a
Throttling type			Electric expansion valve	Electric expansion valve
Compressor	Brand		GMCC	Panasonic
	Type		Rotary	Rotary
Evaporator	Fan		Hydrophilic aluminum	Hydrophilic aluminum
	Tube		Inner groove copper tube	Inner groove copper tube
Fan motor	Speed	rpm	1,200	850
	Fan Type		Axial	Axial
Low pressure protection			Yes	Yes
High pressure protection			Yes	Yes
Inner tank			Enamel	Enamel
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	Φ510×2175	Φ640×2010
Packing dimension (L×W×H)		mm	590×610×2,360	750×745×2,210
Net / Gross weight		kg	93.5 / 102.5	130 / 144

**Note:** The specification may be changed for product improvement, please refer to the nameplate of product.

**Condition - Ambient:** 19°C DB/15°C WB, initial water temperature is 14°C, ending water temperature is 55°C.

**Eligible for  
Government  
Incentives**

The highly energy efficient Smart Lifestyle Australia hot water heat pumps qualifies to generate Small-scale Technology Certificates (STCs) under the Federal Government RET scheme and so Australian consumers can use these to reduce the point of sale price of their heat pump.

Hot water solution provided by

**Smart Lifestyle**<sup>TM</sup>  
A U S T R A L I A

Efficient Water Heaters | Air Conditioning | Solar Power Systems



■ Ph: 1300 198 955 ■ ABN 54 652 113 561 ■ info@smartlifestyleaustralia.com.au

■ www.cyanergy.com.au ■ 16 Fastline Road Truganina VIC 3029 ■ Unit 1, 41 Anzac St, Greenacre, NSW 2190