SLA
SMART LIFESTYLE
AUSTRALIA

SLA WATER

ELECTRIC HOT WATER
HEAT PUMP

200L | 300L

- 7 YEARS on cylinder
- 5 YEARS on compressor
- 2 YEARS workmanship warranty

R290
Eco Friendly

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 a temp setting, timer & safety lock.

Built-in Frost Protection

Protecting the condenser from icing for complete peace of mind.

Smart Technology

AIR
Heat Pump extracts around 4kW from surrounding air.

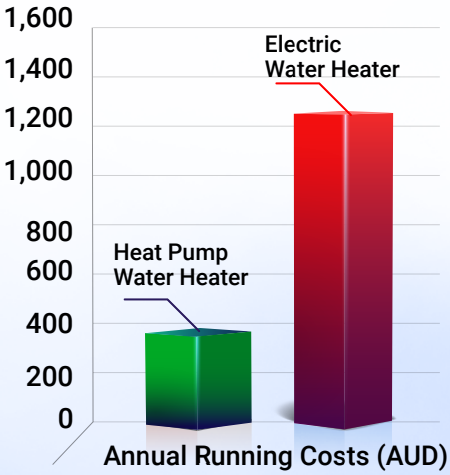
1kW Power Input

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-heater 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

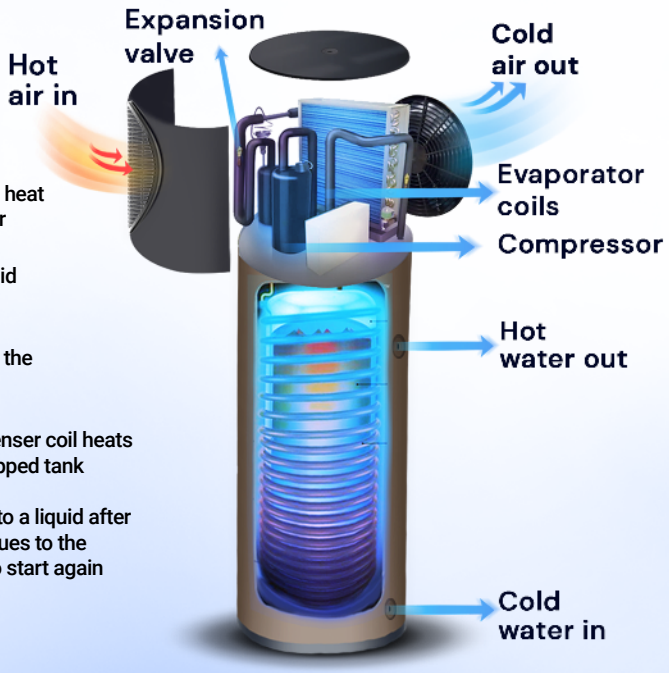
Low Operating Noise
Operating at a very low 49/50 dBA you will hardly know it's there!

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		m3/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	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.

Certificate Table

Certificate Table for Residential Models						
SLA-R25-300D-N4D4						
Scheme	Activity	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
VEEC Metro	1D Elec	-	-	-	14	13
	3C Gas	-	-	-	9	8
VEEC Regional	1D Elec	-	-	-	14	14
	3C Gas	-	-	-	9	8
ESC Metro	D17 Elec	-	-	46	-	46
	D19 Gas	-	-	25	-	25
ESC Regional	D17 Elec	-	-	47	-	47
	D19 Gas	-	-	25	-	25
STC	7-years	19	18	23	25	24

Certificate Table for Commercial Models						
SLA-R25-300D-N4D4C						
Certificate type	Activity	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
VEECs Metro	44A(i) Gas	-	-	-	-	-
	44A(i) Elec	-	-	-	-	-
	44A(i) New	-	-	-	-	-
VEECs Regional	44A(i) Gas	-	-	-	-	-
	44A(i) Elec	-	-	-	-	-
	44A(i) New	-	-	-	-	-
ESCs Metro	F16 Gas	-	-	32	-	20
	F16 Elec	-	-	93	-	72
	F17	-	-	26	-	15
ESCs Regional	F16 Gas	-	-	30	-	18
	F16 Elec	-	-	96	-	74
	F17	-	-	24	-	13
STCs	7-year	16	13	18	19	19

***** 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.

Product Specifications| Residential

Model			SLA-R18-190D/N4A4
System Features			
Nominal tank volume		L	200
Heating capacity (Heat pump only)		kW	1.75
Input (Heat pump only)		W	350
EBH (Electric backup heater)		kW	2.0
COP			5.00
STC (Zone 1 / 2 / 3 / 4 / 5) 10 years			28 / 27 / 33 / 36 / 35
Power supply			220V-240V AC, 1 Ph, 50Hz
Rated current (Heat pump only)		A	1.55
Maximum input power		kW	2.68
Maximum current		A	12.0
Air flow		m^3/h	540
Maximum water temperature (Heat pump only)		°C	70
Hot water yield		L/h	37
Working ambient temperature (Heat pump only)			-10°C to 40°C
Sound pressure level		dB(A)	48 - 58
Maximum operating water pressure		kPa	800
Water resistance			IPx4
Refrigerant type / Factory charged			R290 / 390g
Throttling type			Electric expansion valve
Compressor			
Model			WHP01750PSV-H3BUA
Type ×Quantity			Rotary × 1
Brand			Highly
Capacitor			15μF - 450V
Cooling capacity		W	1740
Rated input power		W	405
Current		A	1.85
Oil type / charged			PAG / 150mL
Evaporator			
Rows			3
Fin material			Hydrophilic aluminum
Tube	Material		Inner groove copper tube
	Outside diameter	mm	Φ7
Fan motor			
Motor model			ZKFP-34-8-15
Brand			Welling
Motor type			BLDC
Speed		RPM	900
Fan type ×Quantity			Axial ×1
Fan diameter×Height		mm	Φ300×79.5
Inner Tank			
Inner tank material			Enamel
Inner tank outside diameter		mm	Φ420
Wall-thickness (Inner tank wall / dome)		mm	2.0/3.0
Rated inner tank pressure		kPa	800.0
Insulation			Polyurethane
Outer tank material			Galvanized steel
Condenser coil			Microchannel wrap-around to tank
Corrosion proof			Magnesium anode
Dimensions and Weight			
Inlet water pipe connection		mm	G3/4"
Outlet water pipe connection		mm	G3/4"
Condensing water connection		mm	1/2", internal thread
Unit dimension (ΦD×H)		mm	Φ510×2175
Net weight		kg	95

Notes:

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2. Please refer to the product nameplate

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	3C Gas	-	-	-	9	8
VEEC Regional	1D Elec	-	-	-	14	14
	3C Gas	-	-	-	9	8
ESC Metro	D17 Elec	-	-	29	-	29
	D19 Gas	-	-	15	-	15
ESC Regional	D17 Elec	-	-	30	-	30
	D19 Gas	-	-	15	-	15
STC	7-years	19	18	23	25	24

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

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AUSTRALIA

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

Office Address

■ Unit 1, 41 Anzac St, Greenacre, NSW 2190
■ 16 Fastline Road Truganina VIC 3029