

Smart Lifestyle™
AUSTRALIA



SLA WATER

ELECTRIC HOT WATER
HEAT PUMP

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 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

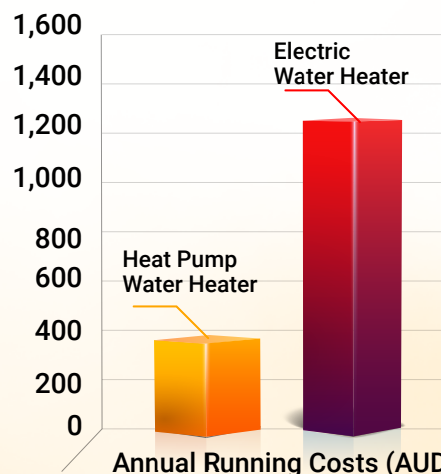
Heat Pump extracts around 4kW from surrounding air.

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-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!



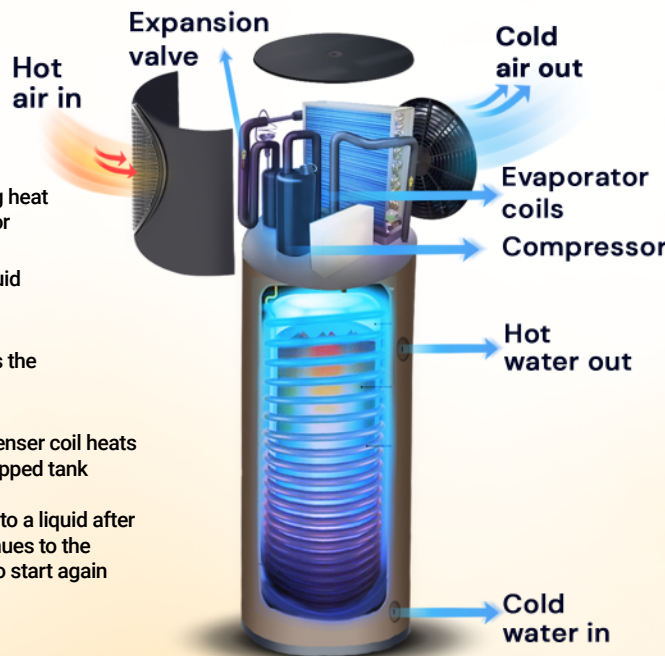
Tank-Wrapped Condenser Coil
For efficient heat transfer & preventing water contamination



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 | Residential

Model		SLA-R25-300D/N4D4
System Features		
Nominal tank volume	L	300
Heating capacity (Heat pump only)	kW	2.50
Input (Heat pump only)	W	480
EBH (Electric backup heater)	kW	2.0
Input (Heat pump only)	W	480
COP		5.21
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	2.13
Maximum input power	kW	2.87
Maximum current	A	13.0
Air flow	m ³ /h	792
Maximum water temperature (Heat pump only)	°C	70
Hot water yield	L/h	52
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		DSM135V11VDZ
Type ×Quantity		Rotary x1
Brand		GMCC
Capacitor		20μF/450V
Cooling capacity	W	2250
Rated input power	W	512
Current	A	2.38
Oil type / charged		XS-601C1 / 260ml
Evaporator		
Rows		4
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	Φ320×141
Inner Tank		
Inner tank material		Enamel
Inner tank outside diameter	mm	Φ550
Wall-thickness (Inner tank wall / dome)	mm	2.5/3.0
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	Φ640×2,010
Net weight	kg	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

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

**** 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 | Commercial

MODEL	Unit	SLA-R25-300D/N4D4C
Power supply		220-240V~, 1Ph, 50Hz
Nominal tank volume	L	300
Heating capacity (Heat pump only)	kW	2.50
EBH (Electric backup heater)	kW	2.0
Input (Heat pump only)	W	480
COP		5.21
STC (Zone 1 / 2 / 3 / 4 / 5)		28 / 27 / 33 / 36 / 35
Current (Heat pump only)	A	2.13
Max. input	W	2,870
Max. current	A	13.0
Air flow	m³/h	792
Max.leaving water temperature (Heat pump only)	°C	70
Hot water yield	L/h	52
Available		About 2-3 bedrooms
Working ambient temperature (Heat pump only)		-10°C to 40°C
Sound pressure level	dB(A)	50
Max. operating water pressure	MPa	0.8
Water resistance		IPx4
Refrigerant type / Factory charged		R290 / 0.39kg
Throttling type		Electric expansion valve
Compressor		
Model		DSM135V11VDZ
Type ×Quantity		Rotary x1
Brand		GMCC
Capacitor		20µF/450V
Cooling capacity	W	2,250
Input	W	512
Current	A	2.38
Locked rotor amps	A	17.0
Oil type / charged		XS-601C1 / 260ml
Evaporator		
Rows		4
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	mp	900
Fan type ×Quantity		Axial ×1
Fan diameter×Height	mm	Φ320×141
Tank		
Inner tank material		Enamel
Inner tank outside diameter	mm	Φ550
Wall-thickness (Inner tank wall / dome)	mm	2.5/3.0
Rated inner tank pressure	MPa	0.8
Insulation		Polyurethane
Outer tank material		Galvanized steel
Condenser coil		Microchannel wrap-around to tank
Corrosion proof		Magnesium anode
Dimensions		
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	Φ640×2,010
Weight		
Net / Gross weight	kg	129 / -

**** 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.

Certificate Table

Certificate Table for Commercial Models						
Model No		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

Hot water solution provided by

Smart LifestyleTM

A U S T R A L I A

Efficient Water Heaters | Air Conditioning | Refrigerator Display Cabinet

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