

SLA WATER

ELECTRIC HOT WATER HEAT PUMP 200L 300L









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Smart Lifestyle



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.

BU% LESS ENERGY

USES UP TO

Features



Modern & Stylish

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



Smart Lifestyle

Highly Efficient

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





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.

Handy Controller

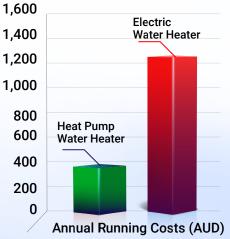
Providing intuitive operation & helpful functions such a temp setting, timer & safety lock.



Built-in Frost Protection

Protecting the condenser from icing for complete peace of mind.





*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.



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 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



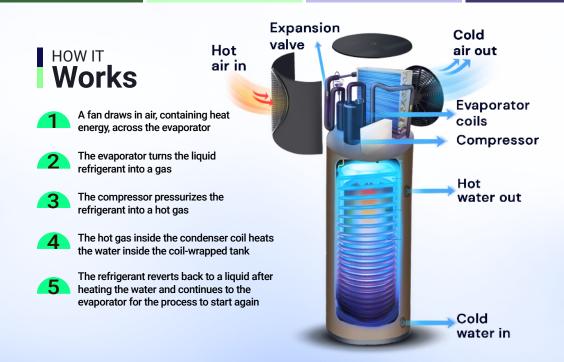
Low Operating Noise Operating at a very low 48-58 dB(A) you will hardly know it's there!



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



Power Outage Memory Protecting the condenser from icing for complete peace of mind



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)	А	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)	2/11	-10°C to 40°C	-10°C to 40°C	
Sound pressure level	dB(A)	48 - 58	48 - 58	
Maximum operating water pressure	kPa	48 - 58	<u> </u>	
Water resistance	ni d	IPx4	IPx4	
Refrigerant type / Factory charged		R290 / 390g	R290 / 390g	
			Electric expansion valve	
Throttling type		Electric expansion valve		
Compressor		DOMASTIANS	DOMAGNANCE	
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	
Material		Inner groove copper tube	Inner groove copper tube	
Tube Outside diameter	mm	Φ7	Φ7	
Fan motor	111111	Ψ1	Ψī	
Motor model		ZKFP-34-8-15	ZKFP-34-8-15	
Brand				
		Welling BLDC	Welling BLDC	
Motor type	DDM			
Speed	RPM	900 Avial x1	900 Aviel x1	
Fan type ×Quantity		Axial ×1	Axial ×1	
Fan diameter×Height	mm	Ф320×141	Ф320×141	
Inner Tank				
Inner tank material		Enamel	Enamel	
Inner tank outside diameter mm		Φ550	Ф550	
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 Microchannel wrap-around to tank	Galvanized steel	
	Condenser coil		Microchannel wrap-around to tank	
Condenser coil			Magnesium anode	
-		Magnesium anode	Magnesian aneae	
Corrosion proof		Magnesium anode		
Corrosion proof Dimensions and Weight	mm	Magnesium anode G3/4"	G3/4"	
Corrosion proof Dimensions and Weight Inlet water pipe connection	mm mm			
Condenser coil Corrosion proof Dimensions and Weight Inlet water pipe connection Outlet water pipe connection Condensing water connection		G3/4"	G3/4"	
Corrosion proof Dimensions and Weight Inlet water pipe connection Outlet water pipe connection	mm	G3/4" G3/4"	G3/4" G3/4"	

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	
	1D Elec	-	-	-	14	13	
VEEC Metro	3C Gas	-	-	-	9	8	
VEEC Regional	1D Elec	-	-	-	14	14	
	3C Gas	-	-	-	9	8	
ESC Metro	D17 Elec	-	-	46	-	46	
LOC Metto	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 9							
	44A(i) Gas	-	-	-	-	-		
VEECs Metro	44A(i) Elec	-	-	-	-	-		
	44A(i) New	-	-	-	-	-		
	44A(i) Gas	-	-	-	-	-		
VEECs Regional	44A(i) Elec	-	-	-	-	-		
	44A(i) New	-	-	-	-	-		
	F16 Gas	-	-	32	-	20		
ESCs Metro	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

System FeaturesL200Nominal tank volumeL200Input (Heat pump only)KW1.75Input (Heat pump only)KW350EBH (Electric backup heater)KW2.0COP5.00STC (Zone 1 / 2 / 3 / 4 / 5) 10 years28 / 27 / 33 / 36 / 35Power supply28 / 27 / 33 / 36 / 3528 / 27 / 33 / 36 / 35Power supplyKW2.0Sto (Cone 1 / 2 / 3 / 4 / 5) 10 years28 / 27 / 33 / 36 / 35Power supplyKW2.0At all councer (Heat pump only)A1.55Maximum nutrentA1.20Air howm/h540Maximum water temperature (Heat pump only)"C70Hot water yieldL/h37Vorking ambiny atter pressureMB(A)48 - 58Maximum operating water pressureMB(A)48 - 58Maximum operating water pressureKPa800Vater resistanceKPa800Vater resistanceKPa800Water resistanceKPa800CompressorElectric expansion valveCongressorElectric expansion valveCongic capacitorKPa80CurrentA1.85Oil type / chargedKAParad1.85Oil type / chargedM1.41ParaditaHighlyCapacitorA1.85CurrentM4.05Config capacityWANumeriaM9.07 <th>Model</th> <th></th> <th>SLA-R18-190D/N4A4</th>	Model		SLA-R18-190D/N4A4				
Nominal tank volume L 200 Heating capacity (Heat pump only) KW 1.75 Input (Heat pump only) KW 350 EBH (Electric backup heater) KW 2.0 COP 5.0.0 557 STC (Zone 1/2/3/4/5) 10 years 28/27/33/36/35 Power supply A 1.55 Rated current (Heat pump only) A 1.55 Maximum input power KW 2.68 Maximum nut power KA 12.0 Maximum nut power A 12.0 Maximum water temperature (Heat pump only) C 70 Hot water yield Lh 37 Working ambient temperature (Heat pump only) -10°C to 40°C Sound pressure level MB(A) 48 - 58 Maximum operating water pressure KPA 800 Water resistance IPx4 Referent type / Factory charged TPx4 Throtting type Vale 750/PSV-H3BUA YP01750/PSV-H3BUA Type *Quantity KW 1740 Ratei nput power Coolin	System Features						
Input (Heat pump only) W 350 EBH (Electric backup heater) KW 2.0 COP 5.00 5.00 STC (Zone 1 / 2 / 3 / 4 / 5) 10 years 28 / 27 / 33 / 36 / 35 Power supply Z20V-240V AC, 1 Ph, 50Hz Rated current (Heat pump only) A 1.55 Maximum input power KW 2.68 Maximum water temperature (Heat pump only) °C 70 Hot water yield L/h 37 Working ambient temperature (Heat pump only) °C 70 Kaimum operating water pressure kPa 800 Water resistance IPA4 Refigerant type / Factory charged R290 / 390g Throttling type Factory charged R290 / 390g Throttling type VHP01750PSV-H3BUA Rodel WHP01750PSV-H3BUA Type xQuantity Rotary x 1 Brand Higflyl Capacitor 15.67 Coring capacity W 1740 Raterial Inner groove copper tube Goli type / charged Y Y Coli type / charged A 1.85 Oil type / charged Material Inner groove copper tube Tube Material Inner groove copper tube <tr< td=""><td></td><td>L</td><td>200</td></tr<>		L	200				
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COP 5.00 STC (Zone 1/2/3/3/36/35 28/27/33/36/35 Power supply 220/240V AC, 1 Ph, 50Hz Rated current (Heat pump only) A Maximum input power KW Maximum current A Air flow m³/h Maximum water temperature (Heat pump only) °C Maximum water temperature (Heat pump only) °C Maximum operating water pressure KPa Maximum operating water pressure KPa Maximum operating water pressure KPa More (Heat pump only) °C Stod (PA) 48 - 58 Maximum operating water pressure KPa Model R290/390g Throttling type Factory charged Type ×Quantity Rotary × 1 Brand 15µF - 450V Cooling capacity W Type ×Quantity A Tube Material	Input (Heat pump only)	W	350				
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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 WHP01750PSV-H3BUA Model WHP01750PSV-H3BUA Type xQuantity Ratary x 1 Brand 15µF - 450V Cooling capacitor 15µF - 450V Cooling capacitor W Current A 1.85 Oil type / charged W 405 Current A 1.85 Oil type / charged PAG / 150mL Evaporator W 405 Rows S S Fin material Inner groove copper tube Tube Material Inner groove copper tube Outside diameter mm 4030 Material Inner groove copper tube BLDC Speed RPM 900 Fan type xQuantity Axial ×1 Axial		-					
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Inlet water pipe connection mm G3/4"			Magnesium anode				
	Dimensions and Weight						
Outlet water pipe connection mm G3/4"		mm					
	Outlet water pipe connection	mm	G3/4"				
Condensing water connection mm 1/2", internal thread	Condensing water connection	mm	1/2", internal thread				
Unit dimension (ΦD×H) mm Φ510×2175							
Net weight kg 95		mm	Ф510×2175				

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 temp	erature 55°C
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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-R18-190D-N4D4							
Scheme	Activity	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	
	1D Elec	-	-	-	14	13	
VEEC Metro	3C Gas	-	-	-	9	8	
VEEC Pagional	1D Elec	-	-	-	14	14	
VEEC Regional	3C Gas	-	-	-	9	8	
ESC Metro	D17 Elec	-	-	29	-	29	
Loo Metro	D19 Gas	-	-	15	-	15	
ESC Regional	D17 Elec	-	-	30	-	30	
	D19 Gas	-	-	15	-	15	
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.



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