EVERHOT

POWERFUL AND EFFICIENT **180L HEAT PUMP**

5 YEAR CYLINDER WARRANTY[5] | COP 4.8[1] | LOW GWP | ENERGY EFFICIENT[4] | CAPACITY 178L | PEOPLE 1-4

The Everhot 180 litre Heat Pump is a powerful and efficient heat pump designed and tested to withstand the harsh Australian conditions. It is an energy efficient alternative to an electric water heater, as it uses the heat from the surrounding air to heat water and provides a reliable, efficient, and sustainable way to reduce your water heating energy consumption.

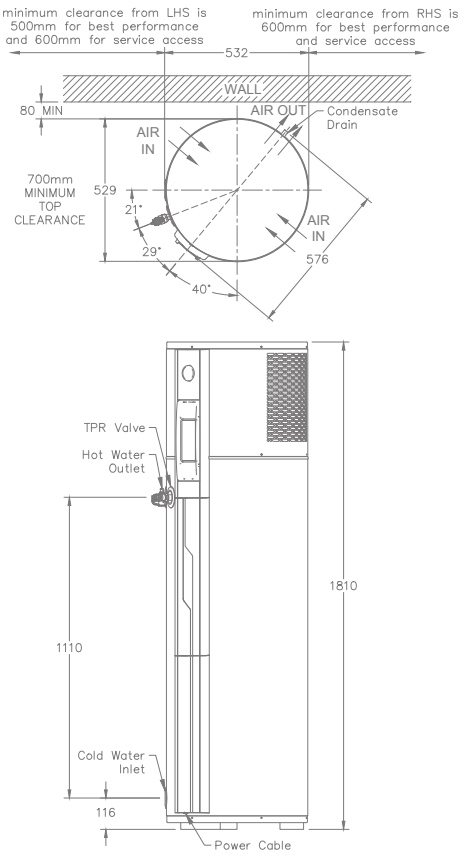
FEATURES

- Coefficient of Performance (COP) of 4.8[1]
- Uses LOW GWP R513a refrigerant with Global Warming Potential (GWP) of <700. Lower the GWP the better it is for the environment
- Microchannel heating technology provides a larger contact area for more efficient water heating
- Enamel lined water tank reduces the risk of corrosion and water leakage
- Side fan design provides maximum airflow and protects from the rain
- Can save up to 70% on your water heating energy consumption compared to an electric water heater in Zone 3[4]
- 2.4 kW back-up element to keep you in hot water in case of high usage or emergency
- User-friendly touch screen LED display with timer function
- Eligible for STCs, ESSs in NSW & VEECs in VIC (may be eligible for additional incentives in some other states)
- 5 year peace of mind cylinder warranty[5]
- Suitable for up to 4 people

EVERHOT

reece.com.au/plumbing/brands/everhot

EVERHOT 180L HEAT PUMP		STANDARD ANODE	BLUE ANODE
MODEL SPECIFICATIONS	Everhot Model Number	251D180	251D180/B
	Reece Product Code	1367008	1367009
Storage capacity	Litres	178	
Boost capacity	Litres	168	
Rated Heat Pump power input @ 240 V	Watts	683	
Element heating unit rating @ 240 V	kW	2.4	
Recommended electrical circuit	Amps	15	
Coefficient of Performance @ 19°C[1]		4.8	
Noise Level (LA90) @ 1 metre[6]	dB(A)	47	
People per household		Up to 4	
Dimensions & specifications			
Tank height	mm	1810	
Tank width	mm	532	
Tank depth	mm	576	
Heater weight - cartoned	kg	116	
Heater weight - full	kg	284	
Refrigerant		R513a	
Water connections & pressure settings			
Inlet & Outlet		Rp 3/4	
Temperature Press Relief (TPR) Valve setting	kPa	1000	
Expansion Control Valve (ECV) setting	kPa	850	
Maximum mains supply pressure			
With expansion control valve	kPa	680	
Without expansion control valve	kPa	800	



HEAT PUMP PERFORMANCE SPECIFICATIONS

Ambient air temperature	Relative Humidity	Average heating capacity (kW)	Recovery rate @ 45°C rise (L/hr)	Coefficient of Performance (COP)[1]
9°C	87%	2.6	51	4.3
19°C	66%	3.2	61	4.8
33°C	39%	3.8	73	5.8
35°C	56%	4.2	81	6.1

BACK-UP ELEMENT RECOVERY RATE @ 240 V TEMPERATURE RISE OF

Rating (kW)	30°C (litres/hour)	40°C (litres/hour)	50°C (litres/hour)
2.4	69	52	41

Average Heating Capacity (kW) – This is how much heating power is put into the water during the heating cycle. It is expressed as an average due to the changes in heating power from the refrigeration cycle as the water is being heated and its temperature increases during the heating cycle.

Hot Water Recovery Rate @ 45°C rise (L/hr) – Is the number of litres of water that can be heated through a 45°C temperature rise in one hour, e.g. when the air temperature is 19°C, the Heat Pump can heat 61 litres / hour of water @ 45°C rise.

Global Warming Potential (GWP) – The Global Warming Potential (GWP) was developed to allow comparisons of the global warming impacts of different refrigerant gases. Specifically, it measures how much energy the emissions of 1 ton of a gas will absorb over a given period of time, relative to the emissions of 1 ton of carbon dioxide (CO2). The larger the GWP, the more that a given gas warms the Earth compared to CO2 over that time period. The time period usually used for GWPs is 100 years. GWPs provide a common unit of measure. GWP of common refrigerants used in heat pumps are R410 - GWP of 2088, R134a - GWP of 1430, R513a - GWP of 629, R290 - GWP of < 3 and CO2 - GWP of 1.

1. The COP of 4.8 is the average value in the AS/NZS5125 performance test at 19°C ambient temperature over the entire heat-up process. Note that the actual COP of the product at any given time will be impacted by several factors, including the ambient and cold-water inlet temperatures at the place of installation and time of day/season of operation.
2. The electric element activates when the ambient air temperature is outside this range and heating of the water is required and if the heat pump has been heating in between -6°C to 7°C for 200 minutes.
3. Warranty limits regarding water chemistry. Harsh water regions – the Everhot warranty may not apply if the water heater is connected to a water supply which has a Total Dissolved Solids content >2500mg/L; is scaling with a Saturation Index >+0.8, or; is corrosive with a Saturation Index <-1.0.
4. Energy savings of up to 70% are based on Australian Government approved TRNSYS simulation modelling using a medium load in Zone 3 and apply when replacing an electric water heater of similar size with a Everhot 1367008 Heat Pump water heater. Any savings will vary depending upon your location, type of water heater being replaced, hot water consumption and fuel tariff. Before installation - seek advice as to suitability to household usage and tariffs. The impact on an electricity account will depend on the tariff arrangement of the water heater being replaced and where you live. The water heater is recommended for connection to an uninterrupted 24 hour continuous tariff power supply. Depending upon the size of the household and its hot water requirements and if the Electricity Retailer permits, an extended off-peak (overnight and day) or Extended time controlled power supply connection of a minimum 16 hours per day may also be suitable. Before purchase consult your energy provider for more information on cost comparisons.
5. Warranty Periods: 5 years supply on cylinder, 3 years labour on cylinder, 3 years supply on sealed system including labour, 1 year supply and labour on all other parts. Applies to a single-family domestic dwelling only. Conditions apply. See the Everhot warranty set out in the Owner's Guide and Installation Instructions or view at www.reece.com.au/plumbing/brands/everhot
6. Noise Level – A Noise Level (LA90) of 47 dB(A) was measured at 1m from the water heater. The noise level when installed may be higher due to sound reflections from adjacent walls and structures.

Certified System Quality ISO 9001

Certified Product Australian Standard AS/NZS 2712 Lic SMK0757 SAI Global

WaterMark AS 3498 WMKA00153

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