

EVERHOT®

AFFORDABLE, HIGH EFFICIENCY 280L HEAT PUMP



**MADE IN
AUSTRALIA**



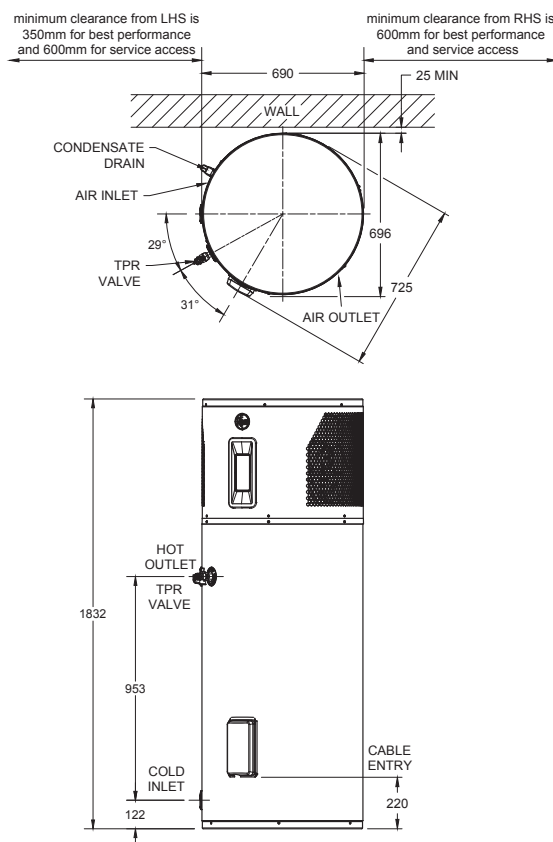
The Everhot® 280 litre Heat Pump is an affordable, energy-efficient water heater made in Australia. It uses heat from the surrounding air to warm water, providing a reliable and sustainable way to cut energy consumption. Available in 2.4kW Hardwired back-up element or 1.5kW Plug & Lead.

FEATURES

- Coefficient of Performance (COP) of 4.9¹
- Uses ULTRA LOW GWP R290 refrigerant with a GWP (Global Warming Potential) of 0.02. Lower the GWP the better it is for the environment
- Advanced wrap around microchannel heating technology for uniform and faster water heating as compared to coil-around-tank technology
- Designed to be suitable for cold climates with an operating range from -6°C to 43°C²
- Suitable for harsh water conditions and has an optional Blue Anode for harsher water³
- Can save up to 73% on your water heating energy consumption compared to an electric water heater in Zone 3⁴
- Back-up Element options in 2.4kW Hardwired or 1.5kW Plug & Lead
- User-friendly touch screen LED display with timer function
- Eligible for STCs, ESCs in NSW & VEECs in VIC (may be eligible for additional incentives in some other states)
- 7 year peace of mind cylinder warranty⁵
- Suitable for up to 6 people⁷

EVERHOT® 280L HEAT PUMP		HARDWIRED	PLUG & LEAD
Everhot model number	Standard Anode	251 E280	251 E280G3P
	Blue Anode	251 E280/B	251 E280G3P/BL
Reece product code	Standard Anode	1366287	1361466
	Blue Anode	1366288	1361467
Storage capacity	Litres	280	280
Boost capacity	Litres	236	236
Rated Heat Pump power input @ 240 V	Watts	690	690
Element heating unit rating @ 240 V	Watts	2400	1500
Maximum rated power input @ 240 V	Watts	3100	2200
Recommended electrical circuit	Amps	15A	10A
Coefficient of Performance (@ 19°C) ¹		4.9	4.9
Noise Level (LA90) @ 1 metre ⁶	dB(A)	48	48
People per household ⁷		Up to 6	Up to 6
Dimensions & specifications			
Tank height	mm	1832	
Tank width	mm	696	
Tank depth	mm	725	
Heater weight - cartoned	kg	135	
Heater weight - full	kg	402	
Refrigerant		R290	
IP Rating		IP24	
Water connections & pressure settings			
Inlet & Outlet		Rp 3/4	
Temperature Pressure 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	Recovery rate @ 45°C rise (L/hr)	Average heating capacity (kW)	Coefficient of Performance (COP) ¹
19°C	56L	2.9	4.9



BACK-UP ELEMENT RECOVERY RATE @ 240 V TEMPERATURE RISE OF			
Rating (kW)	30°C (litres/hour)	40°C (litres/hour)	C50°C (litres/hour)
2.4	69	52	41
1.5	44	33	26

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 56 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 1530, R513a - GWP of 631, R290 - GWP of 0.02 and CO₂ - GWP of 1.

- The COP of 4.9 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.
- 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.
- 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.
- Energy savings of up to 73% 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 251E280 (Reece 1366287) 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.
- Warranty Periods: 7 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/everhot
- A Noise Level (LA90) of 48 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.
- No. of people recommended based on 7 min showers @ 42°C. Appliances using hot water should be counted as one (1) person.

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