EVERHOT

HEAT PUMP | PEOPLE 2-6 | CAPACITY 280L | ULTRA LOW GWP | COP 4.9[1]

280L HEAT PUMP



Everhot 280 litre Heat Pump is an affordable, high efficiency water heater that's made right here in Australia. It's an ideal replacement for a similar sized electric water heater.

Suitable for medium to large families up to 6 people, this high performance water heater can work during the day or night as it extracts heat from the surrounding air to heat the water; providing a reliable, efficient, and sustainable way to reduce your hot water energy consumption.

FEATURES

- Coefficient of Performance (COP) of 4.9[1]
- Uses ULTRA LOW GWP R290 refrigerant with a Global Warming Potential (GWP) of <3. The 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.
- Suitable for cold climates with an operating range from -6°C to +43°C.
- 2.4 kW back-up element to keep you in hot water in case of high usage or emergency.[2]
- Suitable for harsh water conditions and has an optional blue anode for extreme water conditions.[3]
- Can save up to 73% on your water heating energy consumption[4] compared to an electric water heater in Zone 3.
- User-friendly touch screen LED display with timer function.
- Low noise operation.[5]
- Eligible for STCs, ESCs in NSW & VEECs in VIC *(may be eligible for additional incentives in some other states)*
- 5 year cylinder warranty for peace of mind.[6]
- Suitable for up to 6 people.

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5 YEAR[6] CYLINDER WARRANTY | MAINS PRESSURE | MADE IN AUSTRALIA[7] | INSTALLATION OUTDOOR | ENERGY EFFICIENT | ENHANCED FROST PROTECT | HARSH WATER[3]

280L HEAT PUMP

SPECIFICATIONS		STANDARD ANODE	BLUE ANODE
	Everhot Model Number	251E280	251E280/B
	Reece Product Code	1366287	1366288
Storage capacity		Litres	280
Boost capacity - by electric heating element[2]		Litres	236
Rated Heat Pump power input @ 240 V		Watts	690
Electric heating unit rating @ 240 V		Watts	2400
Maximum rated power input @ 240 V		Watts	3100
Recommended electrical circuit		Amps	15
Coefficient of Performance (@19°C)[1]		COP	4.9
Noise Level @ 1 metre[5]		dB(A)	47
People per household			Up to 6
Dimensions & Specifications			
A		mm	1832
B		mm	696
C		mm	725
D		mm	953
E		mm	122
F		mm	220
G		degrees	31
H		degrees	29
Weight (Cartoned)		kg	135
Weight (Full)		kg	402
Refrigerant			R290
Maximum refrigerant charge		grams	340
IP rating			IP24
Water Connections & Pressure Settings			
Inlet & Outlet			Rp3/4
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

PERFORMANCE SPECIFICATIONS

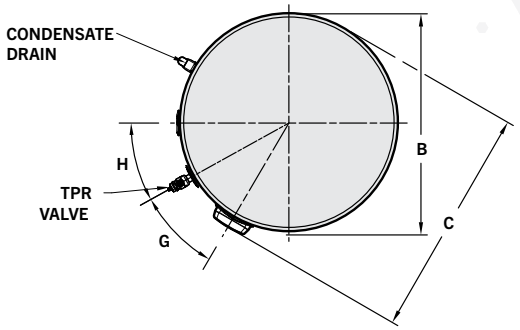
Ambient air temperature	Relative humidity	Average heating capacity (kW)	Recovery rate @45°C rise (L/hr)	Average Coefficient of Performance (COP)[1]
6°C	87%	2.1	40	3.8
19°C	66%	2.9	56	4.9
33°C	39%	3.6	69	6.6
34°C	57%	3.7	71	6.7

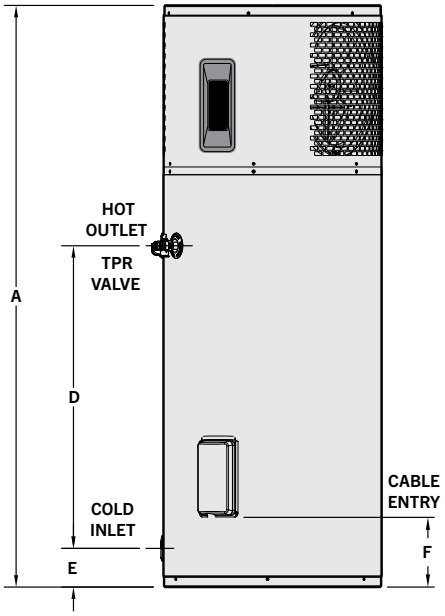
BACK-UP ELEMENT[2] RECOVERY RATE @ 240 V AND A TEMPERATURE RISE OF

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

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.
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 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. 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 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. Noise Level – A noise level of 47 dB(A) was measured at 1 m from the water heater during a Noise Test conducted to Standard GB/T 23137-2008 in a hemi-anechoic chamber within a laboratory. The noise level when installed may be higher due to sound reflections from adjacent walls and structures.
6. 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 warranty set out in the Owner's Guide and Installation Instructions or view at www.everhot.com.au
7. Made in Australia by Rheem Manufacturing.

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