



Hot Water, Efficiently



Midea Hot Water Heat Pumps



Make savings appear out of thin air with a Midea heat pump



USES UP TO
65%
LESS
ENERGY¹

Harvest the free energy from our plentiful air to heat your water with the advanced Midea heat pump from Midea store. This renewable energy water heating technology uses up to 65% less energy¹ than a conventional water heater, whilst providing reliable hot water all day and night.

Smart Technology

Heat pumps utilise an ingenious technology to efficiently transfer thermal energy directly from the surrounding air and into the water, and so do not rely on direct sun or fossil fuels to provide an energy source.



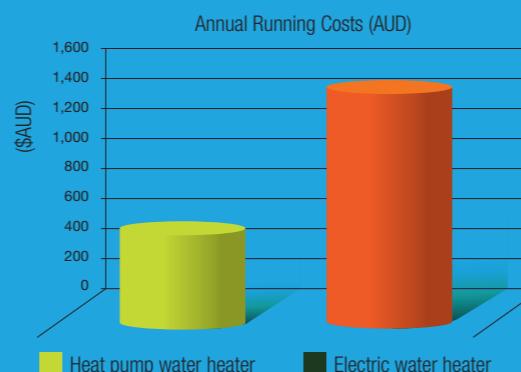
Did you know?

A heat pump is like an energy multiplier. From 1 kW of power input, it can create over 4 kW's of output heat². That's a performance efficiency of a remarkable 400%. Where as conventional electric storage water heaters can only convert 1 kW of input power into a maximum of 1 kW of output heat,

Energy Efficiency

Did you know?

Water heating accounts for nearly a quarter of the energy use and greenhouse gas emissions in the average Australian home.



¹Estimation based on HP280 (RSJ-35/300RDN3) STC's 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.

Heat Pump Selection

HP170

170L
Capacity

No. of Persons	Cold	Climate	Warm	Hot
170	170		170	
280	170/280		170	
280	170/280		170/280	
-	280		280	
-	280		280	

To be used as a guide only



HP280

280L
Capacity



Smart Technology

With a Midea heat pump, set up and operation monitoring is made simple thanks to an amazing, in built user-friendly controller.

Operational modes

ECO (Heat Pump Only) mode: The standard mode where the highest efficiency is achieved

Hybrid Mode: The Heat Pump & E-heater operate together to ensure the set temperature is achieved

E-Heater: When the air temperature drops to below 5°C, the heat pump will automatically select E-heater mode for an electric hot water boost

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



Wide Operating Range
Operates as low as 5°C in ECO mode & between -20°C & 45°C with additional E-heat boost



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



Handy Controller
Providing intuitive operation & helpful functions such as temp setting, timer & safety lock



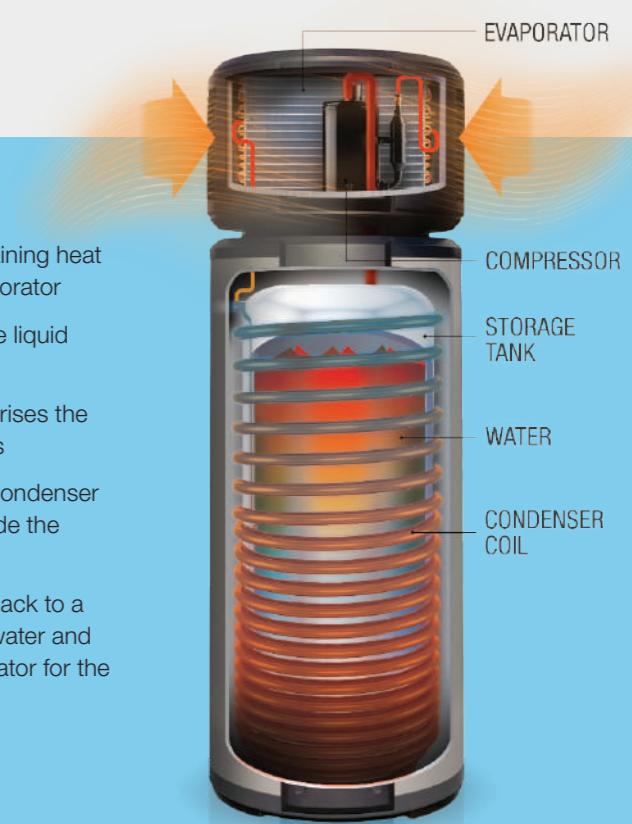
Built in Frost Protection
Protecting the condenser from icing for complete peace of mind



Auto Disinfection[^]
Periodically heating the water beyond its set temp to prevent the growth of bacteria and legionella



Power Outage Memory
Settings are retained in the event of a power outage



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 pressurises 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

¹Energy use reduction based on CER (AS/NZS 4234) modelling, in Zone 3. ²Average COP is 3.72 based on AS/NZS 5125 test condition 2. [^]Applicable to HP280 model only. Images indicative only - Actual product configuration may differ

Product Specifications



Heat Pump Model	HP170	HP280
Nominal volume capacity (L)	170	280
Voltage / Hz / Phase	220-240 / 50 / 1	220-240 / 50 / 1
Element input power (W)	2150	3000
Heating capacity - Heat Pump Only (W)	1500	2000
Max water temperature (°C)	65	60
Max rated input power (W) / current (A)	2780 / 12.1	4000 / 17.3
Relief valve pressure (kPa)	1000	1000
Net Weight (kg)	90	154
Pipe connection diameter (mm)	DN20	DN20
Cylinder Type	Vitreous Enamel	Vitreous Enamel
Outdoor resistance class	IP24	IP24
Operating Mode Function	Manual	Manual
Refrigerant type/quantity	R134a / 0.8kg	R134a / 1.6kg

Residential Warranty

5 Year
Tank Cylinder
(3 Year Labour)

3 Year
Compressor
(1 Year Labour)

1 Year
Electronics,
Parts & Labour



**Eligible for
Government
Incentives**

280L Installed Unit

The highly energy efficient Midea 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.



Why Choose Midea:



- Established since 1968
- No. 312 on the 2019 Fortune Global 500 list
- Providing services to 300 million users globally



midea.net.au

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1300 367 565 (Service)

09:30 am to 17:30 pm (UTC+11), Monday to Friday
(excluding public holidays in Australia)

Efficient Water Heaters | Kitchen Appliances | Air Conditioning