Hot Water, Efficiently

Midea Hot Water Heat Pumps

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

Heat Pump Selection

HP170

170L
Capacity

HP280

280L
Capacity

No. of Persons	Climate		
	Cold	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

HP170 HP280

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

65% LESS ENERGY[1]

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 energy[1] than a conventional water heater, whilst providing reliable hot water all day and night.

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

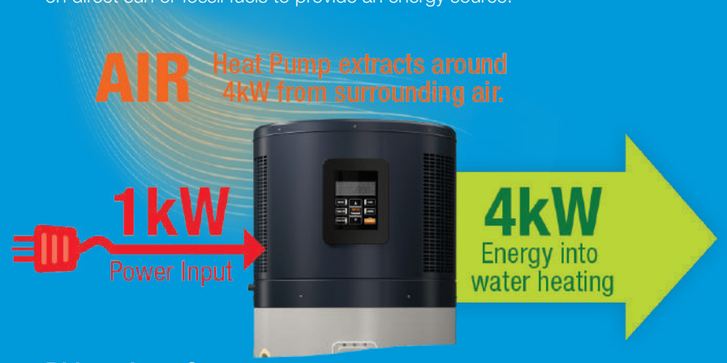
Built in Frost Protection
Protecting the condenser from icing for complete peace of mind

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

Smart Technology

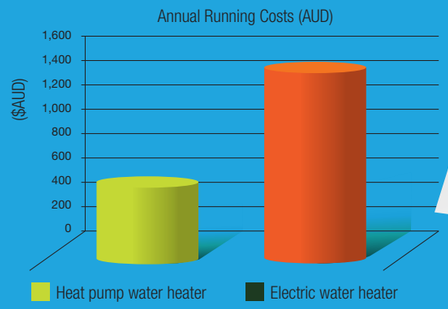
Heat pumps utilise an ingenious technology to efficiently transfer thermal energy directly from the surrounding air and into the water, and so do not rely on direct sun or fossil fuels to provide an energy source.



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 heat[2]. 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.



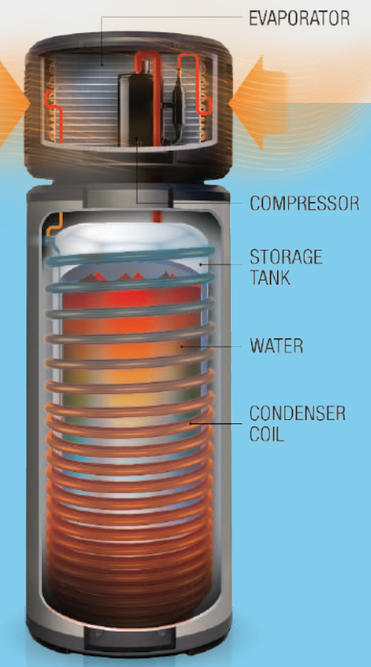
An energy efficient hot water system such as the Midea heat pump is a great way for households to make substantial reductions in their energy consumption and cost of living.

A heat pump provides a quick and easy replacement of your old energy-hungry electric water heater, whilst also reducing CO_2 emissions by over 4 tonnes, and saving you up to $930 per year.*

**Estimation 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.*

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



[1] Energy use reduction based on CER (AS/NZS 4234) modelling, in Zone 3. [2] Average 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

280L Installed Unit

Eligible for Government Incentives

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.

Certified Product Australian Standard AS/NZS 2712 Lic. SMKP21791

WaterMark AS/NZ 3498 Lic. WMKA21792

CE

Why Choose Midea:

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

Midea

midea.net.au

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(excluding public holidays in Australia)

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