

Efficient Hot Water





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

USES UP TO
**70%
LESS
ENERGY**

Harvest the free energy from our plentiful air to heat your water with the advanced Midea heat pump from Chromagen. This renewable energy water heating technology uses up to 70% less energy than a conventional water heater, whilst providing reliable hot water all day and night.

Features



Highly Efficient

Produces significantly more heat energy than the power input; saving on purchased energy



Micro Channel Heat Exchanger

For efficient heat transfer & preventing water contamination

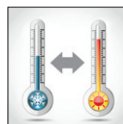


DC inverter compressor and DC fan

For more efficient and precision control



Built in Frost Protection



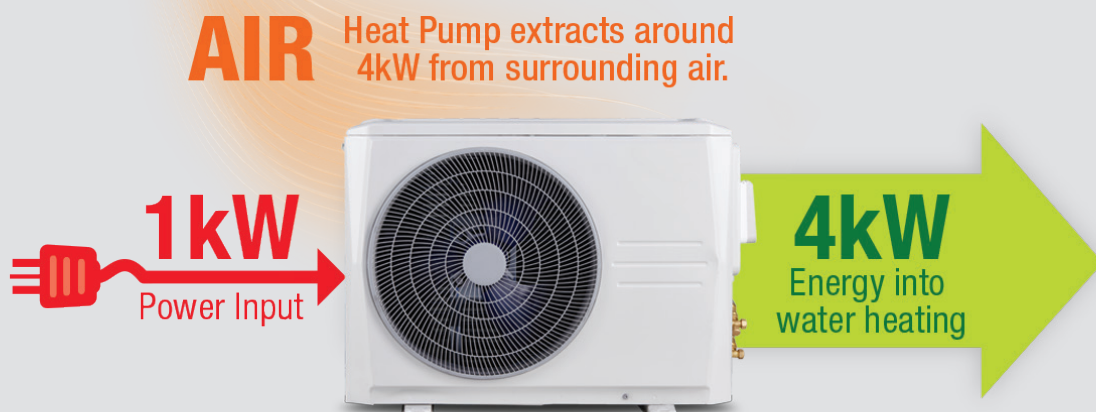
Wide Operating Range



Low Operating Noise

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. That's a performance efficiency of a remarkable 400%. Whereas conventional electric storage water heaters can only convert 1kW of input power into a maximum of 1kW of output heat.

Heat Pump Selection

Condenser

HPC0290

2.8kW
Capacity



Water Tanks

<p>HPT200S290</p> <hr style="width: 20%; margin: auto;"/> <p>200L Capacity</p> <p>2.1kW Element</p> <p>Suits 2-4 Persons*</p>		<p>HPT300S290</p> <hr style="width: 20%; margin: auto;"/> <p>300L Capacity</p> <p>2.1kW Element</p> <p>Suits 4-6 Persons*</p>
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To be used as a guide only - based on typical usage of 45 litres of hot water per person throughout the day.

How it Works

1. A fan draws in air, containing heat energy, across the evaporator of the condenser
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 is pumped to the water tank where it heats the water inside the coil-wrapped tank
5. The refrigerant reverts back to a liquid after heating the water returning to the condenser and continues to the evaporator for the process to start again



Condenser

Water Tank

Electric Heater

Enhance heating capacity to ensure hot water demand

Magnesium Rod

Protect water tank and coil from corrosion to expand the product life

R290 Refrigerant

Specs



	Model Number	MHW-V28WD2N7/ MT-200R28E20	MHW-V28WD2N7/ MT-300R28E20
General	Operating Temperature Range	-15°C - 46°C	
	Max water temperature	60°C	
	Heating Capacity (Heat Pump)	2800W	
	Heating Capacity (Element)	2100W	
	Max. Current	14.3 Amps	
Refrigerant	Refrigerant Type / Quantity	R290 / 470g	
	Refrigerant Piping	6.35mm / 1/4 inch	
	Gas Side	9.52mm / 3/8 inch	
	Max Refrigerant pipe length	20 metres	
	Max Height difference	10 metres	
Condenser	Product Dimensions (L x W x D)	804 x 327 x 555mm	
	Noise Level (Sound Pressure)	54 dBA	
	Weight	27kg	
	Air Side Heat Exchanger	Hydraulic aluminium fin + inner grooved copper tube	
	Power Supply	220-240 V / 50 Hz / 1 Phase	
	Power Input	1150W	
Tank	Volume	200 Litres	300 Litres
	Cylinder Type	Vitreous Enamel	Vitreous Enamel
	Product Dimensions	Ø505 x 1665mm	Ø580 x 1735mm
	Weight (Empty)	76kg	102kg
	Relief valve pressure (kPa)	850	850
	Power Supply	220-240 V / 50 Hz / 1 Phase	220-240 V / 50 Hz / 1 Phase

Warranty

Tank Cylinder	Outdoor unit (Condenser)	All other parts & Labour
5 years (3 Year Labour)	3 years (1 Year Labour)	1 year



Additional warranties apply for Solar Victoria customers, please refer to separate warranty details online at chromagen.com.au/warranty



chromagen.com.au | 1300 367 565

Efficient Water Heaters | Solar Power Solutions | Air Conditioning

This revision supersedes all previous versions. All details in this document are accurate at time of publishing. Product specifications may change without notice. Visuals shown are representative and are to be used as a guide only. For the latest product details and specifications, please visit our website