280L Installed Unit

Certified Product
Australian Standard
AS/NZS 2712
Lic. SMKP21791

WaterMark
AS/NZ 3498
Lic. WMKA21792

CE

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	3000
Max water temperature (°C)	65	60
Max rated input power (W) / current (A)	2780 / 12.1	4300 / 18.7
Relief valve pressure (kPa)	1000	1000
Noise level (dBA)	48	48
Net Weight (kg)	90	145
Pipe connection diameter (mm)	DN20	DN20
Cylinder Type	Vitreous Enamel	Vitreous Enamel
Outdoor resistance class	IP24	IP24
Operating Mode Function	Manual	Automatic
Refrigerant type/quantity	R134a / 0.8kg	R134a / 1.2kg

The Right Choice

EVERY HOUR, EVERY DAY

Chromagen is a leading global company that develops, manufactures and sells advanced hot water, energy-saving solutions which promote environmental sustainability.

Founded in 1962 in Israel, the company has invested the last years in bringing innovation, quality and cost-saving solutions to a diverse range of projects worldwide – including single homes, multi-story apartment buildings, hotels, hospitals, industrial plants, and other commercial projects.

Since its establishment, Chromagen has continuously expanded and established two subsidiaries in Australia and Spain, as well as a solid network of distributors who help serve customers in over 40 countries worldwide. Today, Chromagen is recognized as a pioneer of hot water energy saving solutions and is positioned as one of the top 10 largest flat plate collector manufacturers in the world.

Reliability · Expertise · Efficiency · Quality

The right choice chromagen.com

Sha'ar Ha'amakim 3658800, Israel | Tel. +972 4 953 8800 | Fax. +972 4 953 8872

HOT WATER EFFICIENTLY

Hot Water Heat Pumps

Chromagen™
Hot Water Solutions

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

USES UP TO **65% LESS ENERGY**[1]

Harvest the free energy from our plentiful air to heat your water with the advanced heat pump from Chromagen. 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.

Heat Pump Selection

No. of Persons	Climate		
	Cold	Warm	Hot
1	170	170	170
2	280	170/280	170
3	280	170/280	170/280
4+	-	280	280

HP170
170L
Capacity

HP280
280L
Capacity

Smart Technology

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

Operational modes[3]

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 slimline 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 aslow 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

Low Operating Noise
Operating at a very low 48 dBA you will hardly know it's there!

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

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

Auto Disinfection[4]
Periodically heating the water beyond its set temp to prevent the growth of bacteria and legionella

Vacation Mode[4]
Conserving energy while the heat pump is idle, and automatically reactivates prior to your return

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 islike 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.

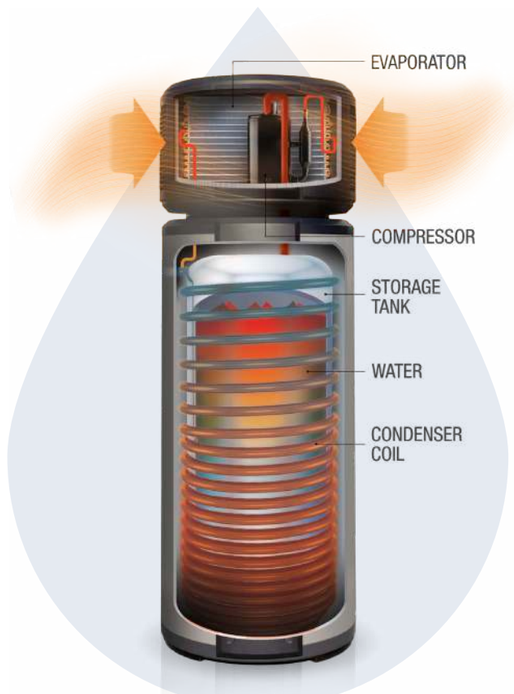
Energy Efficiency

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

A heat pump provides a quick and easy replacement of your old energy-hungry electric water heater, whilst also reducing CO_2 emissions.

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.
[3] Applicable to HP170 model only.
[4] Applicable to HP280 model only.
Images indicative only - Actual product configuration may differ