

Carrier BLUE



iNTEGRATED HOTWATER HEATPUMP

Make savings appear out of thin air with a Carrier integrated hot water heat pump



USES UP TO
65%
LESS
ENERGY¹

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

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



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

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.



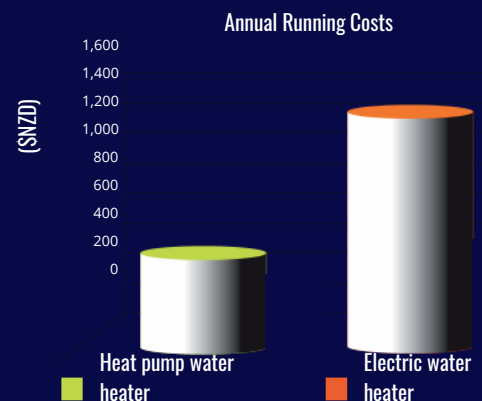
Did you know?

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 kiwi home.



*Estimation based on IWH280L 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



IWH170L

170L
Capacity

No. of Persons	Climate		
	Cold	Warm	Hot
2	170	170	170
3	170	170	170
4	280	170/280	170/280
5	280	280	280
6	280	280	280

To be used as a guide only - based on typical usage of 45 litres of hot water per person throughout the day.



IWH280L

280L
Capacity

Smart Technology

With a Carrier IHW 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



Wide Operating Range

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



Power Outage Memory

Settings are retained in the event of a power outage



Low Operating Noise

Operating at a very low 48/49 dBA you will hardly know it's there!



WiFi(optional)



Auto Disinfection

Periodically heating the water beyond its set temp to prevent the growth of bacteria and legionella



Tank-Wrapped Condenser Coil

For efficient heat transfer & preventing water contamination



The Principle of integrated HPWH

Combo combine the HP(HEAT PUMP)+WH(WATER HEATER) together in one box.





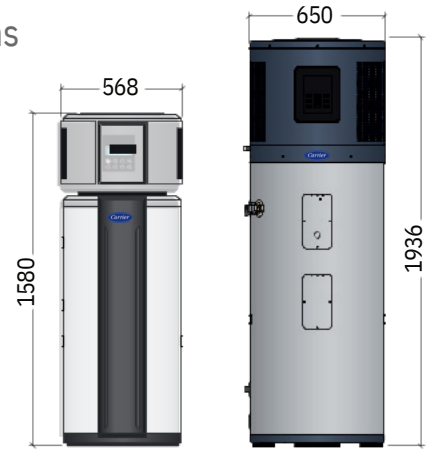
Residential Warranty

Additional warranties apply for customers, please refer to separate warranty details online www.ahi-carrier.co.nz



IHW170L Installed Unit

Product Specifications



Heat Pump Model	IHW170L	IHW280L
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.	2780 / 12.1	4000 / 17.3
(A) Relief valve pressure (kPa)	1000	1000
Noise level (dBA)	48	49
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

Carrier Airconditioning

Carrier is committed to continuously improving its product to ensure the highest quality and reliability standards are met, and to meet local regulations and market requirements.

The specifications on this document may change without notice to allow Carrier to incorporate the latest products and innovations for its customers. The information contained in this brochure are merely informative, they are not intended to be used in place of the Engineering or Installation Manuals.

Cooling and heating capacities mentioned for the products are nominal capacities at standard operating conditions.

All images provided in this document are used for illustration purposes only.

Equipment rates in accordance with MEPS GEMS 2019 Determination.

AHI New Zealand Ltd, the importer and distributor of Carrier branded heat pumps declines any responsibility in the broadcast sense, for damage, direct or indirect, arising from the use and interpretation of the recommendation in this document.



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