

Carrier **BLUE**



Air with Care

The heatpump with the only 10year warranty



HOTWATER

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



USES UP TO
77%
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 77% 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

Handy Controller

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

Highly Efficient

Generates considerably more heat energy than the energy consumed, leading to savings on purchased energy.

Built in Frost Protection

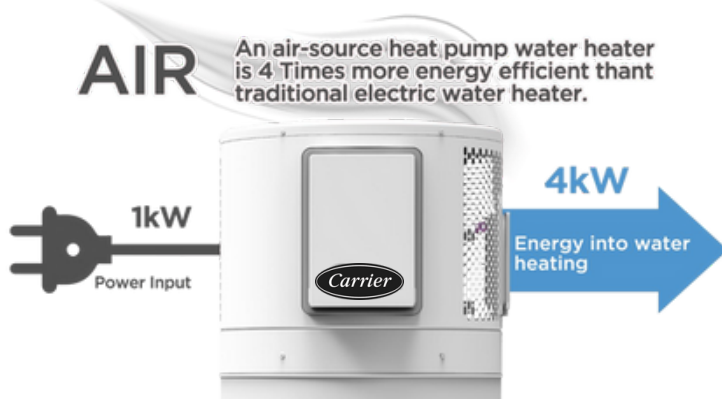
Protecting the condenser from icing for complete peace of mind

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.

Energy Efficiency

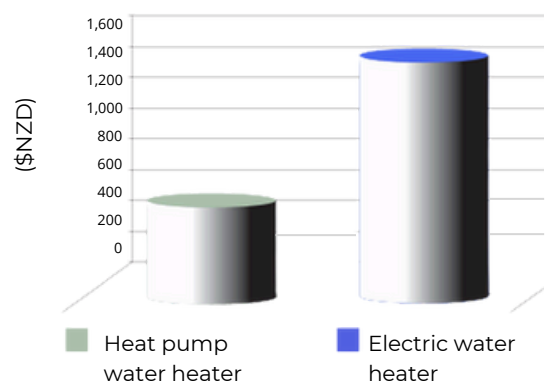
Did you know?
Water heating accounts for nearly a quarter of the energy use and greenhouse gas emissions in the average kiwi home.



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%. Whereas conventional electric storage water heaters can only convert 1 kW of input power into a maximum of 1 kW of output heat.

Annual Running Costs



*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



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 and 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

 **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!

 **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

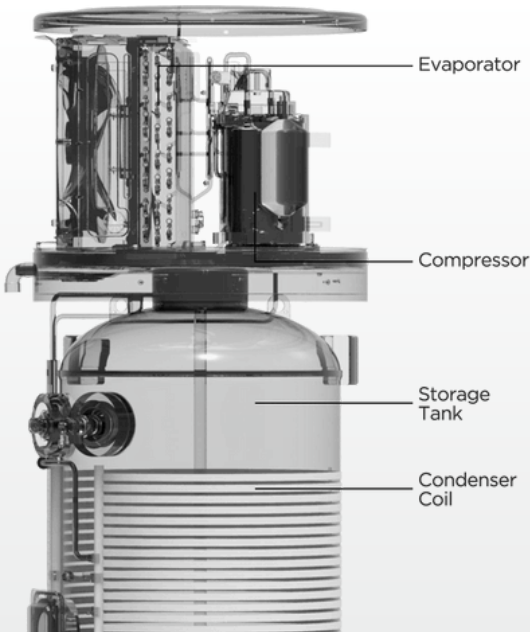


How it works

integrated HP(HEAT PUMP)+WH(WATER HEATER) together in one box.



Save up to
13 TONNES*
CO2 Emissions



Step 1: A fan draws in air, containing heat energy, across the evaporator. The evaporator turns the liquid refrigerant into a gas.

Step 2: The compressor pressurises the refrigerant into a hot gas.

Step 3: The hot gas inside the condenser coil heats the water inside the coil-wrapped tank. The refrigerant reverts back to a liquid after heating the water and continues to the evaporator for the process to start again.



*Calculation of CO2e is refer to Victorian Energy Program's modelling (10 years of use); Applicable to 280L heat pump model.



Solar PV Ready

The Sun's free energy is the best resource in the world and households and businesses continue to install rooftop solar at world leading rates. Carrier Heat Pump Water Heater surplus solar energy generated by your Solar PV system can be stored in the tank. In PV mode, the heat pump water heater receives a signal from the Solar PV system, notifying it that generated energy is available to use. It uses the available Solar PV energy to heat water and store it for later use.

Easy to maintain: Built for Kiwi Conditions

Runs at -20°C & 47°C and delivers all year round comfort



Unique Technology

Blue-Diamond Enamel Tank with +15 years lifespan



High impact strength

More than 800 thousands of impact tests



Strong corrosion resistance

500-hour acid resistance test standard with 2 Mg+anodes)



High adsorption capacity

Tank coating materials from international famous brand FERRO, adhere to the tank tightly



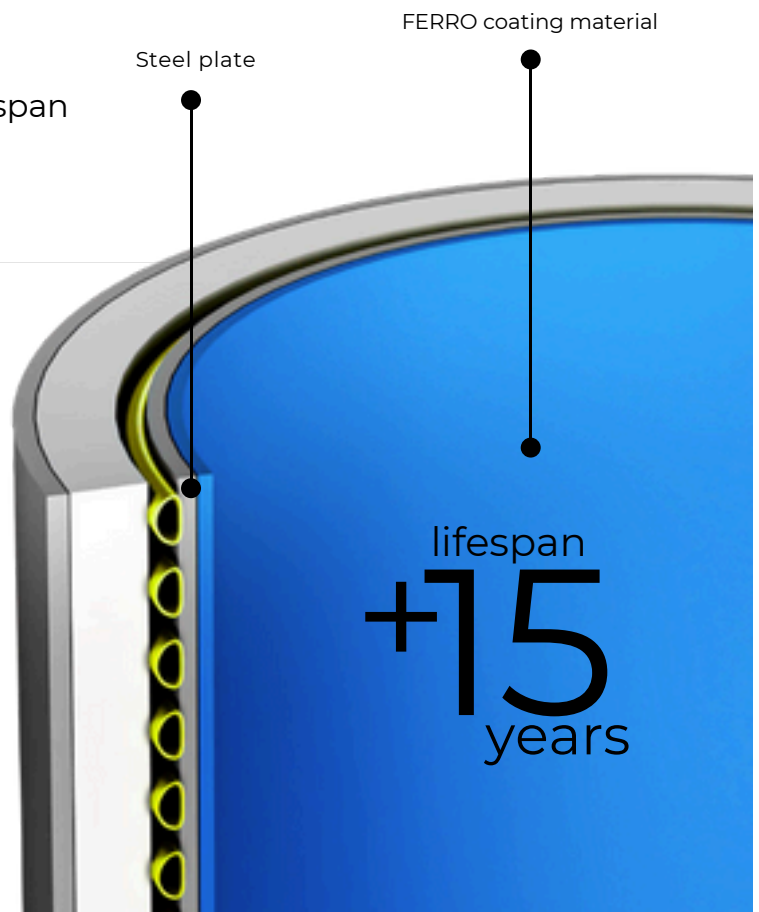
High pressure bearing strength

Dedicated steel helps ensure the strength under pressure



Top manufacturing technology

International cutting-edge enamel manufacturing process German famous EISENMAN professional production line



Easy to Maintain:



Electric Magnesium Bar

Guarantee permanent replacement-free and no scale will be produced to ensure healthy water quality.

Physical Magnesium Bar



1-2 years

as the typical
replacement
cycle

1960g

of scale will be
accumulated
during usage

Easy-to-access E-BOX Designed for easier maintenance without complicated disassembly of the top cover of the unit.

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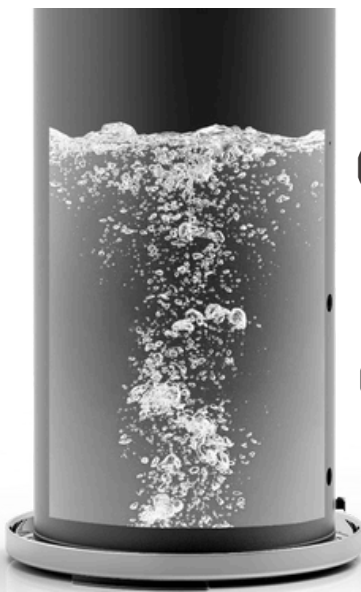
Quick checking out on-going problem and backtracking previous problems up to 3 times before.



Easy-to-access E-BOX Designed for easier maintenance without complicated disassembly of the top cover of the unit.



Got You Covered with Two-Way Disinfection



Automatically Disinfection



Periodically (24 hours) heating up the water by 60°C to prevent the growth of bacteria and legionella.



Manually Disinfection

set temperature(60 C) for rapid sterilization.

SPECIFICATION



Model			DHW-190N7		DHW-300N7		
Running models				Heat pump	E-heater	Heat pump	E-heater
Running ambient temp.			℃	-7~43	-20~47	-7~43	-20~47
Outwater Temp.			℃	Default 60℃,55℃~70℃		Default 60℃,55℃~70℃	
Power supply			Ph-V-Hz	1-220~240-50		1-220~240-50	
Storage size			Ltr	190		300	
Water heating	Capacity	kW	1.80	2.15	2.50	3.25	
	Cop	kW/kW	4.20	1.00	4.60	1.00	
	Max. current	A	17.3		18.4		
Unit	Dimension (D×H)	mm	552*552*1692		650*650*1962		
	Net/gross weight	kg	95.5/119		138/170		
Sound pressure level			dB(A)	47	48		
Refrigerant type/quantity			kg	R290/0.29		R290/0.42	
Air flow			m³/h	540		830	
Compressor	Model		RDSN108V11TBZ		RDSM140V11TEZ		
	Type		Rotary		Rotary		
	Brand		GMCC		GMCC		
	Capacity	W	2150		2710		
	Input	W	513		641		
	Running Current	A	2.4		3.3		
	Capacitor	/	20μF/450V		25μF/450V		
Water pipeline	Water inlet pipe	mm	DN20		DN20		
	Water outlet pipe	mm	DN20		DN20		
	Drainage pipe	mm	DN20		DN20		
	PT valve joint	mm	DN20		DN20		
	Max. pressure	MPa	0.85		0.85		
Water Side Heat exchanger				Aluminum micro heat exch		Aluminum micro heat exch	
E-heater			kW	2.15		3.25	
Hot water yield			m³/h	0.052	0.062	0.071	0.093



10-Year Residential Hot Water Warranty

Applicable to:

- Carrier Hotwater integrated Heatpump
- Supplied by AHI Carrier NZ on or after 1 June 2025
- Installed at residential premises within New Zealand

Coverage:

10 Year Parts Warranty for Cylinder, PCB and Compressor excluding Heat Exchanger * (See below)

5 Year Heat Exchanger Warranty (subject to water hardness test)

5 Year Labour Warranty

Warranty exclusions for any Corrosion / rust issues caused by Environment or Power supply issues.

Covers defects in materials and factory workmanship under normal residential use.



HOTWATER

Toshiba is committed in improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

Product specification in this Brochure are only indicative and are subject to change. These are not intended to be used in place of the engineering or installation databook / manual. All specification and features are subject to change without prior notice. All images provided in this catalogue are used for illustration purpose only.

Cooling and heating capacities mentioned are at standard operating conditions.

10-Year warranty on residential applications only.

Catalogue Part Number: 01052025
Date: May 2025

Equipment rates in accordance with
GEMS 2019 Determination



Residential Warranty

AUCKLAND

Head Office
207-211 Station Road
Penrose
Phone: 09 355 6720

NAPIER

Branch Office
31 Ford Road
Napier
Phone: 06 561 0183

WELLINGTON

Branch Office Cnr Jarden
Mile & McCormack Place
Ngauranga
Phone: 04 473 5990

DUNEDIN

Branch Office
56 Fox Street South
Dunedin
Phone: 03 552 0401

CHRISTCHURCH

Branch Office
23 Iversen Terrace
Waltham
Phone: 03 379 0894

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