

Carrier BLUE



TERMS & CONDITIONS APPLY

INTEGRATED HOTWATER HEATPUMP

Carrier BLUE

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



TERMS & CONDITIONS APPLY

USES UP TO 77% LESS ENERGY!

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 energy 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

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

Energy Efficiency

Did you know?

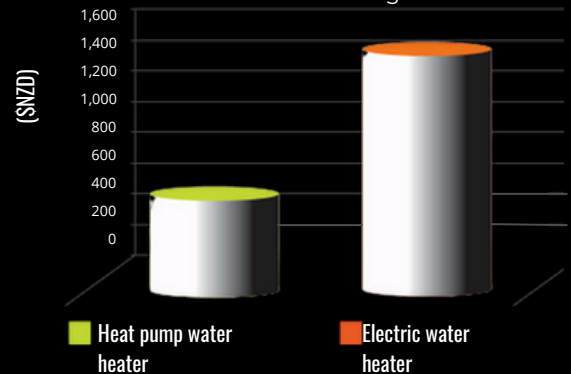
Water heating accounts for nearly a quarter of the energy use and greenhouse gas emissions in the average kiwi home.



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 heat. 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.

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Heat Pump Selection



DHW-190N7

190L Capacity

No. of Persons	Climate		
	Cold	Warm	Hot
1 person	190	190	190
2 people	190	190	190
3 people	300	190/300	190/300
4 people	300	300	300
5 people	300	300	300

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



DHW-300N7

300L 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 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.



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



The Principle of integrated HPWH

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



Heat Pump Selection DHW-190N7 DHW-300N7

No. of Persons	Climate		
	Cold	Warm	Hot
2	190	190	190
3	190	190	190
4	300	190/300	190/300
5	300	300	300
6	300	300	300

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



190L Capacity

300L Capacity



Wide Operating Range



Power Outage Memory



Auto Disinfection



Tank-Wrapped Condenser Coil



Low Operating Noise



SPECIFICATION

Model		DHW-190N7		DHW-300N7		
Running models		Heat pump	E-heater	Heat pump	E-heater	
Running ambient temp.		°C	-7~43	-20~47	-7~43	-20~47
Outwater Temp.		°C	Default 60°C,55°C~70°C		Default 60°C,55°C~70°C	
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

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Residential Warranty





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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 in 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 is merely informative; it is 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.

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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 broadest sense, for damage, direct or indirect, arising from the use and interpretation of the recommendations in this document.

