

# Carrier BLUE

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



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<sup>1</sup> 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

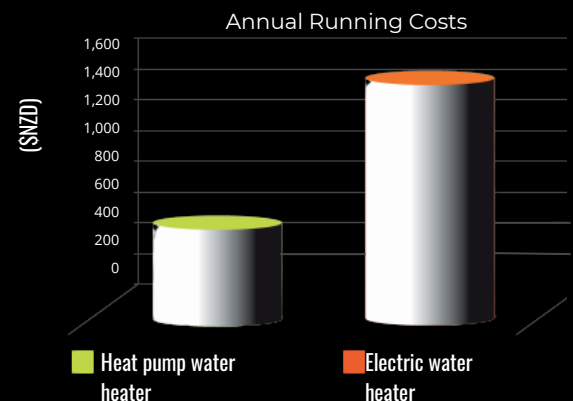
Did you know?

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<sup>2</sup>. 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.



\*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

DHW-190N7

DHW-300N7

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



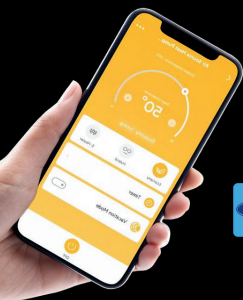
Auto Disinfection



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.		℃	-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

## The Principle of integrated HPWH

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



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Residential Warranty

