

Professional Heat Pumps For Today's Modern Needs



LAILEY & COATES

SUMMER  **WAVE**
BY LAILEY & COATES

SUMMER WAVE

BY LAILEY & COATES

Summerwave is a heat pump that not only has exacting British quality & standards but will also significantly reduce your carbon footprint.

A SummerWave Heat Pump can provide you with eco friendly and affordable swimming pool or spa heating all year round so you and your family can enjoy your swimming pool or spa investment.

SummerWave Heat Pumps by Lailey & Coates only use the highest quality compressors available for size.



Why a SummerWave Heat Pump by Lailey & Coates?

When you choose to purchase your new Summerwave heat pump, rest assured that you are purchasing a product with exacting British quality standards with efficient, low running costs. Summerwave, British designed and engineered for harsh Australian and European conditions.

You can save up to 80% on running costs compared to alternative gas or electric pool or spa heating.



Environmentally Friendly

Summerwave Heat Pumps by Lailey & Coates have a Titanium Heat Exchanger equipped with a double coil of Titanium offering a large heat exchange surface, resulting in one of the highest COP (Coefficient Of Performance) ratings on the Australian market. Summerwave Heat Pumps by Lailey & Coates are capable of reproducing in excess of 6.11 times the energy it consumes.

Winter time is a risk for heat pumps, as the Heat Exchanger can burst upon start up. British engineering has ensured protection of the Heat Exchanger in freezing conditions., Summerwave have an exclusive Dual System Antifreeze. The Exchanger is equipped with a membrane composed of layers of Hydrophilic aluminium capable of expanding when frozen together. An automatic defrost activated upon start-up has been incorporated to prevent damage to the componentry. Summerwave Heat Pumps by Lailey & Coates have a second Antifreeze system, to manage the water temperature in order to protect the plumbing of the heat pump and connections to the pool.



Efficiency Plus!

Your SummerWave heat pump by Lailey & Coates can not only heat you pool or spa but can cool it too!

SummerWave heat pumps by Lailey & Coates are one of the most efficient heat pumps on the market with coefficient of Performance (COP) above 6.0 at ambient air temperature of 24°C. This means that your SummerWave heat pump by Lailey & Coates will be saving \$\$\$ on running costs compared to alternative gas or electric pool or spa heating. All SummerWave heat pumps by Lailey & Coates will operate in ambient temperatures of -10C and has a water proof level - IPX4.

SummerWave Heat Pump

by Lailey & Coates Specifications

Model		SummerWave 70	SummerWave 100	SummerWave 150
Ambient 24°C	Capacity (KW)	7.23	9.88	15.16
Water 26°C in.	Power Input (KW)	1.18	1.60	2.45
28°C out	COP	6.11	6.16	6.19
Ambient 35°C	Capacity (KW)	4.28	6.89	9.52
Water 29°C in.	Power Input (KW)	1.22	1.89	2.63
27°C out	EER	3.52	3.65	3.62
Power Supply	Single Phase	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz
Fuse	Single Phase	10 amps plug in	10 amps plug in	15 amps plug in
Water Flow	Litres Per Minute	51	71	109
Refrigerant	Ozone Friendly	R410A	R410A	R410A
Min pressure/ max pressure		1.5/4.15Mpa	1.5/4.15Mpa	1.5/4.15Mpa
Package Dimensions (mm)		860x420x710	960x450x830	960x450x830
Unit Dimensions (mm)		818x398x590	927x440x694	927x440x694
Net Weight kg		42 kg	50 kg	62 kg
Gross Weight kg		48	64	69
Noise		28dB(A)	28dB(A)	29dB(A)
Noise at 1 m		<45	<46	<46
Noise at 4 m		<36	<36	<37
Noise at 10m		<28	<28	<29
Compressor Brand		Toshiba	Toshiba	Toshiba
Compressor Type		Rotary	Rotary	Rotary
Water Proof Level		IPX4	IPX4	IPX4
Air Flow Direction		Horizontal	Horizontal	Horizontal



- **Note:** Recommended to use in conjunction with a Solar Blanket.
- **Note:** Heat Pump sizing is influenced by ambient temperature, humidity, use of a pool/spa cover, night time temperature, wind factor, pool/spa location, water features and if the unit is switched off overnight.
- Please contact your local Summerwave Dealer for assistance choosing the right size heat pump for your pool/spa application.

SUMMER WAVE

BY LAILEY & COATES



Removable Touch Pad

Summerwave 70, 100, 150 & 210 heat pumps come with a removable easy control touch pad. This can allow you to relocate your easy control touch pad into your pool equipment shed for your convenient access.



Whisper Quiet Operation

SummerWave heat pumps by Lailey & Coates are whisper quiet - less than 40dB at 4 metres and less than 30dB at 10 metres, it is very important that your heat pump does not disturb your neighbours. All SummerWave heat pumps are fitted with super flow fan blades.



Protective Cover

All SummerWave heat pumps come with a fitted protective cover. This will give you heat pump added protection during times when not in use keeping your heat pump clean and longer lasting.



Warranty

All SummerWave heat pumps by Lailey & Coates come with a 3 year parts warranty, 5 years compressor warranty and 15 years warranty on Titanium heat exchanger.



ABS Cabinet

Your cabinet is an important part of your heat pump. No more rusting cabinets or paint peeling. All SummerWave heat pumps come with ABS cabinets for added durability, protection and long lasting.



The type of Refrigerant Gas is important as some are not environmentally friendly and have a poor compression capacity. Summerwave Heat Pumps by Lailey & Coates use the highest quality Refrigerant Gas; R410A, qualifying it as environmentally and ozone friendly. R410A is also more efficient than other refrigerant gases due to the exceptional compression capacity, enhancing heating performance even at low ambient temperatures.



SummerWave Heat Pump by Lailey & Coates Specifications



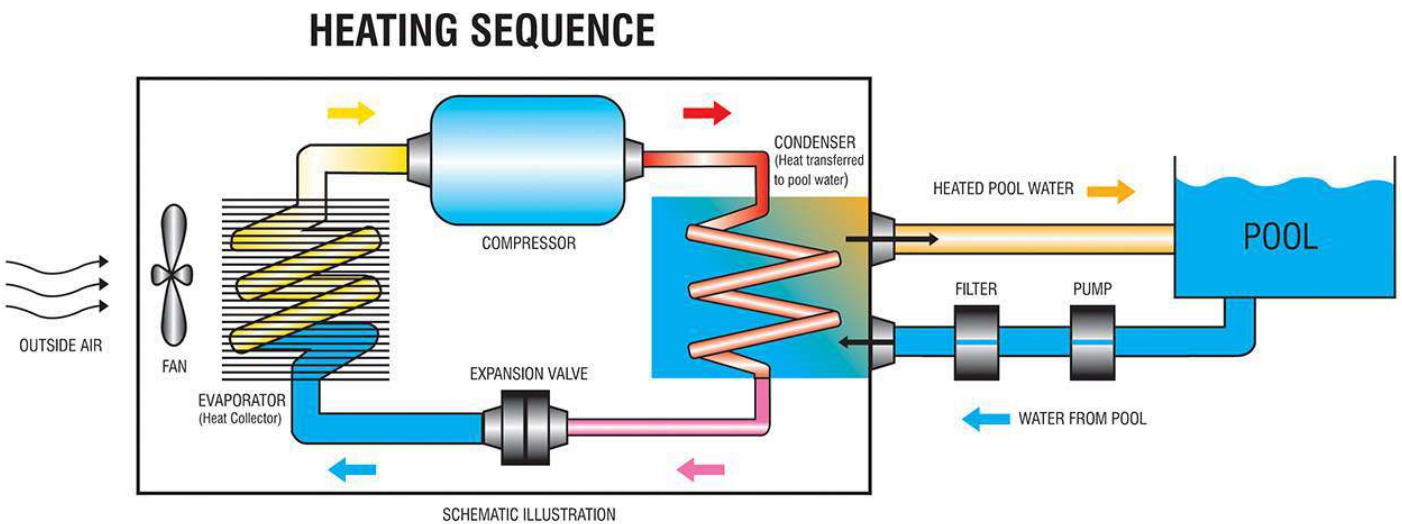
- **Note:** Recommended to use in conjunction with a Solar Blanket.
- **Note:** Heat Pump sizing is influenced by ambient temperature, humidity, use of a pool/spa cover, night time temperature, wind factor, pool/spa location, water features and if the unit is switched off overnight.
- Please contact your local Summerwave Dealer for assistance choosing the right size heat pump for your pool/spa application.



Model		SummerWave 210
Ambient 24°C Water 26°C in, 28°C out	Capacity (KW) Power Input (KW) COP	21.33 3.49 6.12
Ambient 35°C Water 29°C in, 27°C out	Capacity (KW) Power Input (KW) EER	13.09 3.65 3.59
Power Supply	Single Phase	220-240V / 50Hz
Fuse	Single Phase	20 Amps Hard Wire
Water Flow	Litres Per Minute	155
Refrigerant	Ozone Friendly	R410A
Min pressure/max pressure		1.5/4.15Mpa
Package Dimensions (mm)		1142x517x895
Unit Dimensions (mm)		1110x506x747
Net Weight kg		96 kg
Gross Weight kg		118 kg
Noise		30dB(A)
Noise at 1 m		<50
Noise at 4 m		<33
Noise at 10m		<30
Ccompressor Brand		Panasonic
Compressor Type		Scroll
Water Proof Level		IPX4
Airflow Direction		Horizontal

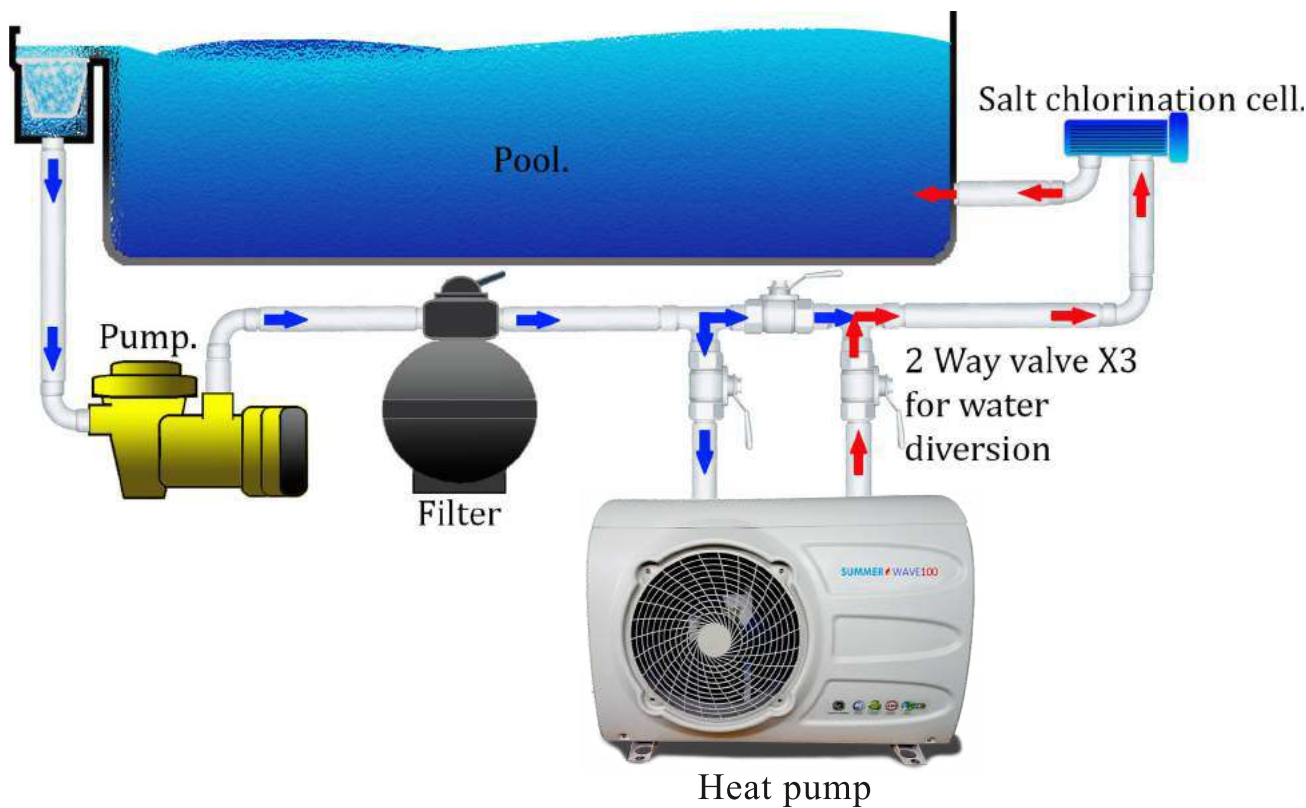
How Does a Heat Pump Work?

Heat pumps extract the ambient temperature from the surrounding air and is then absorbed by the refrigerant gas, it is then compressed, this causes the heat to rise, the heat is then returned to your pool water via the Titanium Heat Exchanger coil.



Installation

Pipe installation is simple and can be done by yourself or your local plumber. You will require three 2 way valves to balance the flow of water and required lengths of 40mm class 12 high pressure PVC pipe. Connect your inlet and outlet of your heat pump to the inlet and outlet of your pump as described in the diagram below. SummerWave heat pump by Lailey & Coates models 70 and 100 come with a standard 10amp plug and the SummerWave 150 heat pump by Lailey & Coates comes with a 15amp plug. Larger units will require an Electrician to hard wire the heat pump on a separate circuit.



SummerWave Heat Pump by Lailey & Coates Specifications



Model		Summerwave 250	Summerwave 300
Ambient 24°C Water 26°C in, 28°C out	Capacity (KW)	25.80	30.18
	Power Input (KW)	4.19	4.91
	COP	6.16	6.19
Ambient 35°C Water 29°C in, 27°C out	Capacity (KW)	16.02	19.80
	Power Input (KW)	4.60	5.61
	EER	3.55	3.58
Power Supply	3 Phase	380-415V/50Hz	380-415V/50Hz
Fuse	3 Phase	16 Amp Hard Wire	18 Amp Hard Wire
Water Flow	Litres Per Minute	187	219
Refrigerant	Ozone Friendly	R410A	R410A
Min pressure/max pressure		1.5/4.15Mpa	1.5/4.15Mpa
Package Dimensions (mm)		800x750x1050	800x750x1050
Unit Dimensions (mm)		760x715x910	760x715x910
Net Weight kg		128 kg	156 kg
Gross Weight kg		143 kg	172 kg
Noise		33dB(A)	34dB(A)
Noise at 1 m		<52	<53
Noise at 4 m		<40	<41
Noise at 10m		<33	<34
Compressor Brand		Panasonic	Panasonic
Compressor Type		Scroll	Scroll
Water Proof level		IPX4	IPX4
Airflow direction		Vertical	Vertical

- **Note:** Recommended to use in conjunction with a Solar Blanket.
- **Note:** Heat Pump sizing is influenced by ambient temperature, humidity, use of a pool/spa cover, night time temperature, wind factor, pool/spa location, water features and if the unit is switched off overnight.
- Please contact your local Summerwave Dealer for assistance choosing the right size heat pump for your pool/spa application.

What has your Heat Pump got?

Not all heat pumps are created equal. You have to look a bit closer to see the little things that make a big difference to the performance and longevity.

Summerwave, an exceptional heat pump at an exceptional price. You just can't beat Summerwave Heat Pumps by Lailey & Coates for performance or reliability. British engineering and exacting quality control produces strong, safe, reliable, energy efficient, environmentally friendly and cost effective heat pumps. Summerwave by Lailey & Coates, Australia's favourite Heat Pump!

What are you waiting for? Contact your local dealer today!

SUMMER WAVE

BY LAILEY & COATES

	Summerwave
Full ABS Cabinet (no rusting)	✓
Whisper Quiet Operation (Db rating)	✓
10/15 amp plugs 80, 100 & 145 models	✓
Removable/Relocatable Controller	✓
COP Rating at 6+	✓
Intelligent Reverse-Cycle Auto Defrost	✓
Operates at -5C to 43C	✓
Heat and Cool	✓
Safe and Green R410A Refridgerant	✓
Titanium Heat Exchanger	✓
Waterproof Level – IPX4	✓
Australian 40mm Barrel Unions	✓
Hydrophilic Coated Fins	✓
Protective Winter Cover	✓

Images are for illustration purposes only, variations may apply.

