alpinespas™

Swim Spa Pre-Delivery Guide

Contents

Delivery

HIAB

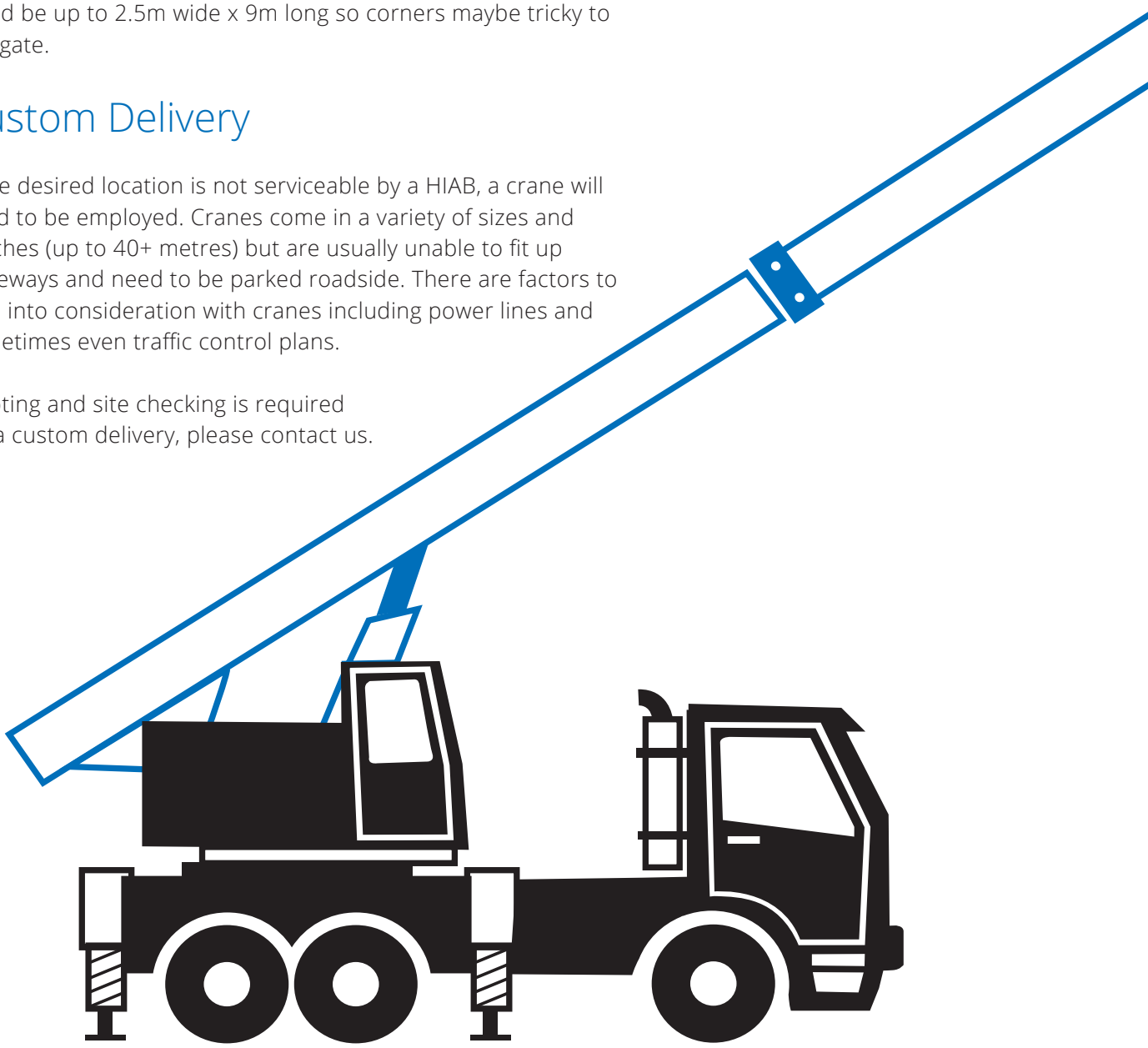
Due to the size and weight of your Swim Spa it requires delivery with a 'HIAB' truck. A HIAB is a large delivery truck with a crane arm which will collect, deliver and lift the Swim Spa into position as long as the desired location is reachable within 7m from where the truck can park. This allows for lifting over small fences or hedges that are no higher than 2m.

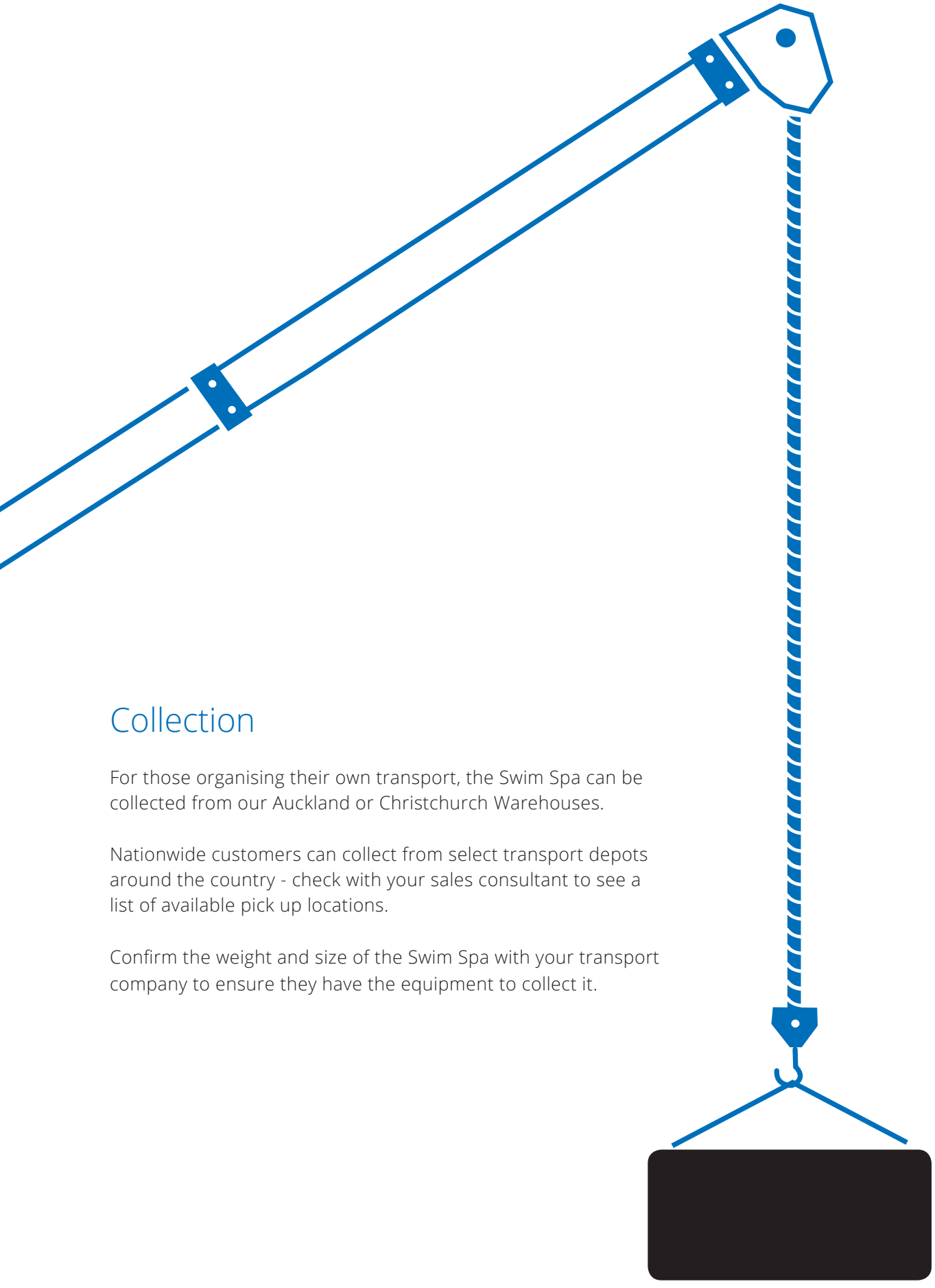
Keep in mind the HIAB will likely need to be able to fit up the driveway (or a neighbouring driveway). The dimensions of a HIAB could be up to 2.5m wide x 9m long so corners maybe tricky to navigate.

Custom Delivery

If the desired location is not serviceable by a HIAB, a crane will need to be employed. Cranes come in a variety of sizes and reaches (up to 40+ metres) but are usually unable to fit up driveways and need to be parked roadside. There are factors to take into consideration with cranes including power lines and sometimes even traffic control plans.

Quoting and site checking is required for a custom delivery, please contact us.





Collection

For those organising their own transport, the Swim Spa can be collected from our Auckland or Christchurch Warehouses.

Nationwide customers can collect from select transport depots around the country - check with your sales consultant to see a list of available pick up locations.

Confirm the weight and size of the Swim Spa with your transport company to ensure they have the equipment to collect it.

Choosing an Area

Factors to Consider

To maximize the enjoyment of your Swim Spa, its location placement and orientation should be carefully considered.

- Can cabling reach the preferred site from the switchboard?
- Does the preferred site support adequate drainage? Splashing while swimming will occur.
- There should be no power lines or overhead cables anywhere near the Swim Spa.
- Are there potential privacy issues with double story buildings next door?
- Is there enough room for the full foundation including the steps, optional heat pump and cover lifters? Measurements for these accessories can be found on pages 9-10.
- Is there enough room at each end for cover-lifters to operate and are they going to be accessible to lift?
- Does your location support access around the entire swim spa? Full perimetre access is required for panels.
- Do you have a view that you wish to look over while relaxing in the Swim Spa?
- What is the distance from the house or changing area for getting out on a cold night?
- Are there other features you wish to add to your Swim Spa environment to enhance your experience, such as decking or a gazebo?
- Does positioning allow easy accessibility to the external drain valve and/or music systems and other similar controls? These are pointed out on pages 5-8.

Fencing

New fencing rules seem to suggest that most councils will want to see a 1.2m fence around the perimeter of the Swim Spa, especially if installed below ground or decked.

Keeping the Swim Spa above ground may give you the ability to 'use the wall of the Swim Spa as a barrier' as this is 1.37m high. In this case steps and any other object that could be used to climb the wall will need to be removable when not in use. Keep in mind if installing a heat pump, the piping would need to be kept low to the ground and the unit installed 1.2m from the Swim Spa.

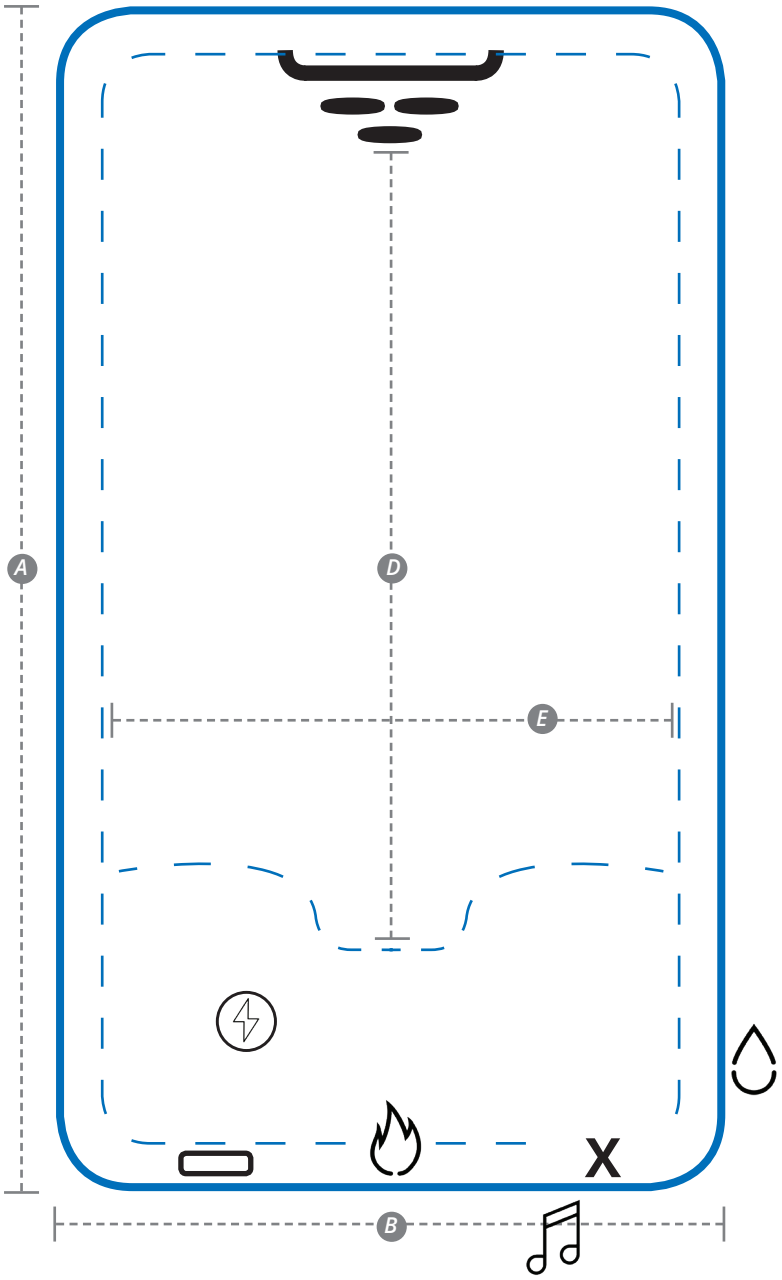
Fencing requirements are the responsibility of the home owner and we suggest that in all cases you contact your council to discuss any requirements for your area.

Measurements

Hydro

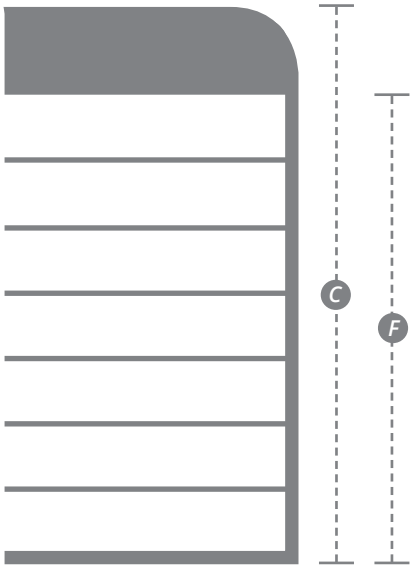
	Measurement	mm
A	Swim Spa Length	3900
B	Swim Spa Width	2280
C	Swim Spa Height	1370
D	Internal Swim Length*	2850
E	Internal Swim Width*	1900
F	Ground to Under Acrylic Lip	1265

**Internal dimensions are rough approx and measured at their maximum widths.*



Locations of Interest

- Topside Control Panel
- X System Controller
- Conduit/cable entry point
- Heat pump ready connection point
- External Drain Valve
- Music Control (located on cabinet)



Trident

	Measurement	mm
A	Swim Spa Length	4210
B	Swim Spa Width	2280
C	Swim Spa Height	1370
D	Internal Swim Length*	2900
E	Internal Swim Width*	1900
F	Ground to Under Acrylic Lip	1265

**Internal dimensions are rough approx and measured at their maximum widths.*

Locations of Interest

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- X System Controller
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- Heat pump ready connection point
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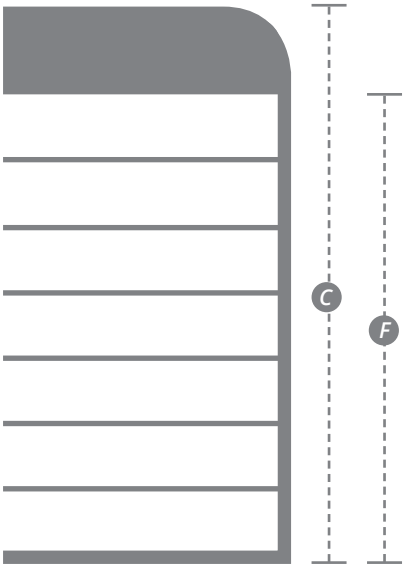
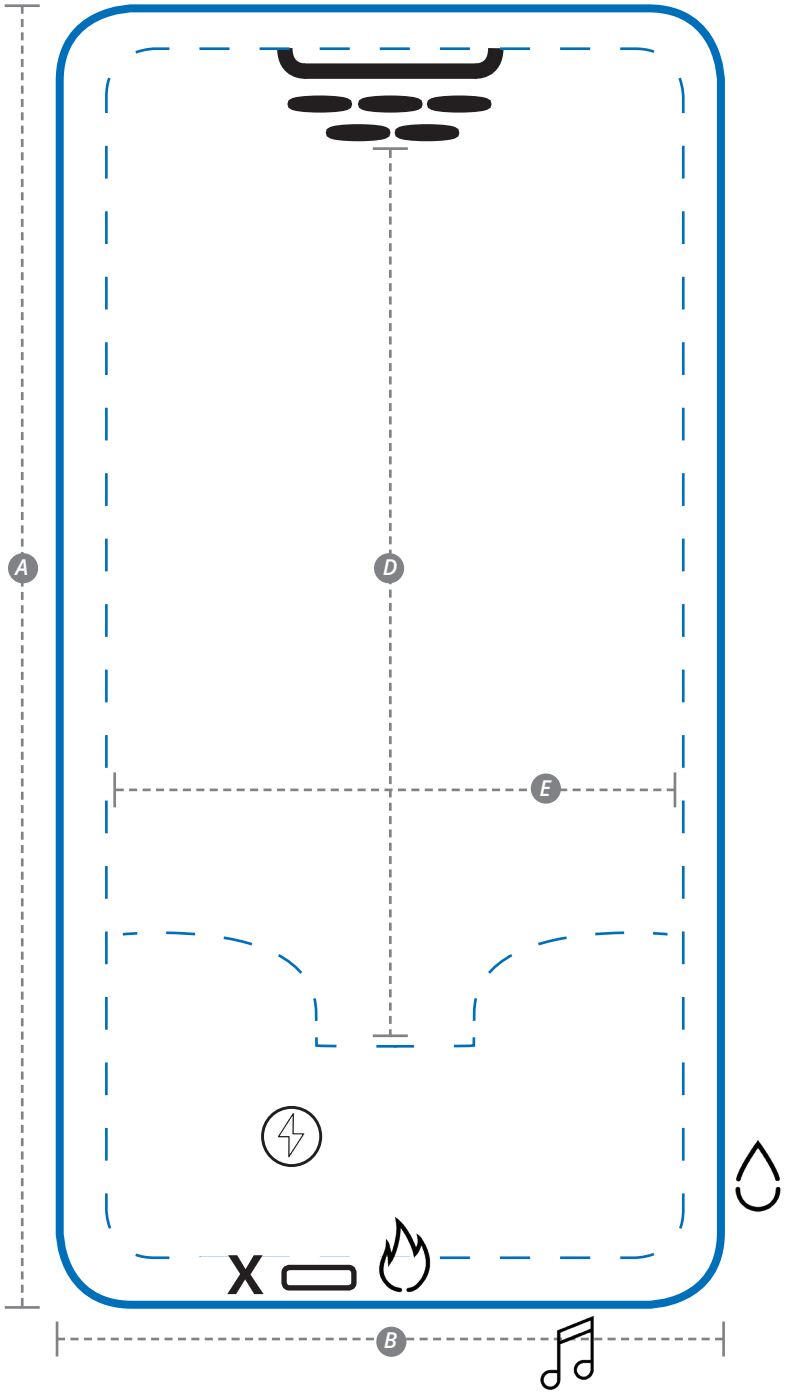




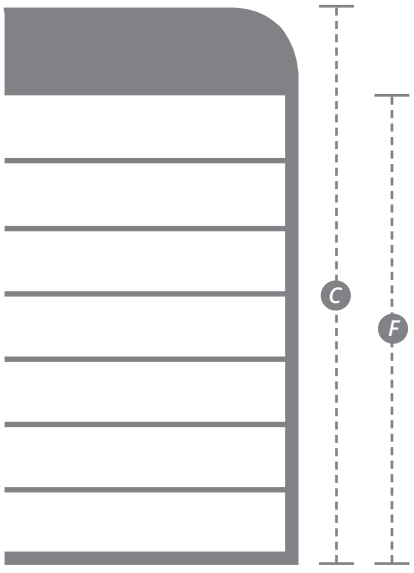
Olympus

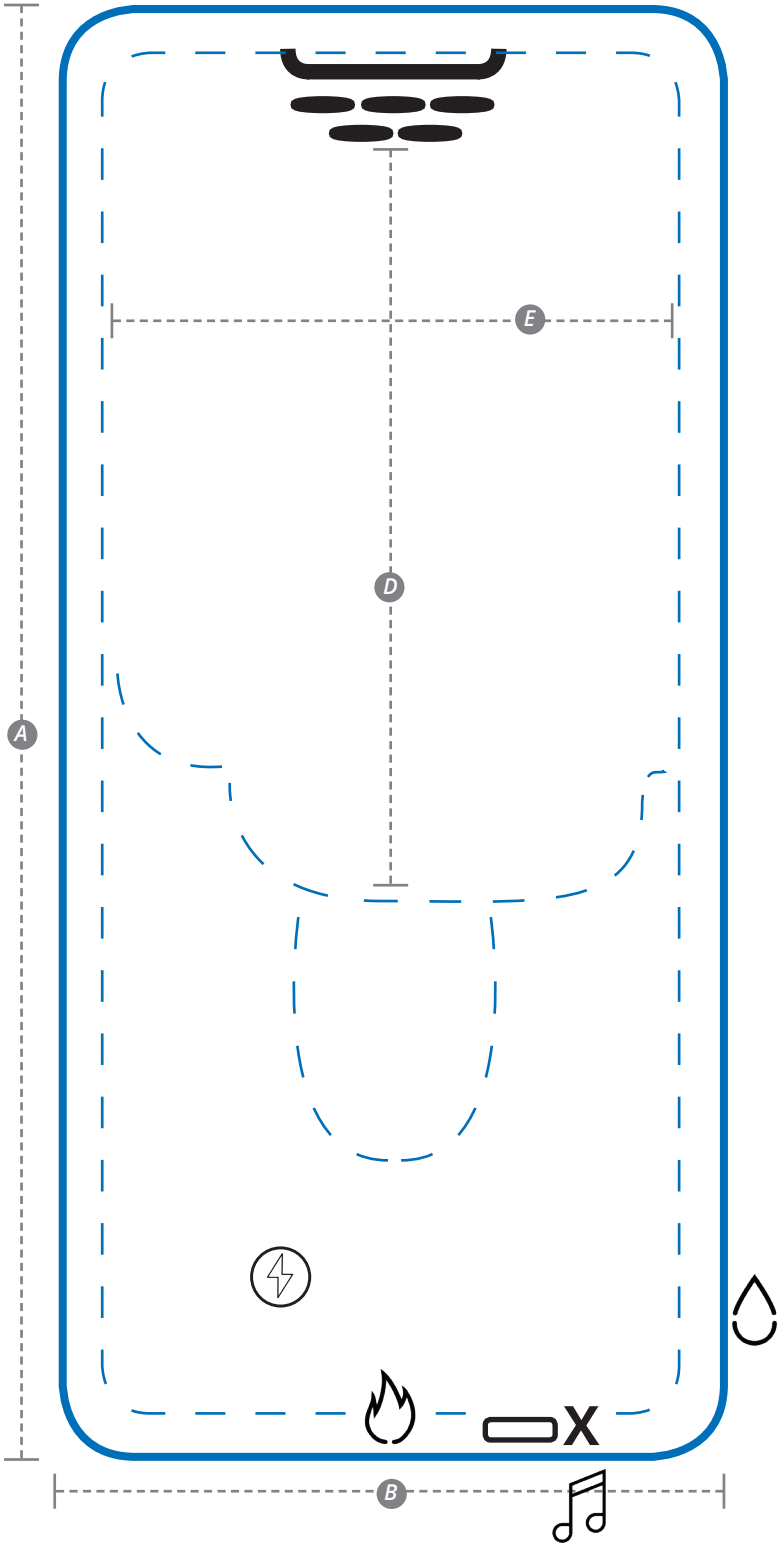
	Measurement	mm
A	Swim Spa Length	5000
B	Swim Spa Width	2280
C	Swim Spa Height	1370
D	Internal Swim Length*	2850
E	Internal Swim Width*	1900
F	Ground to Under Acrylic Lip	1265

**Internal dimensions are rough approx and measured at their maximum widths.*

Locations of Interest

- Topside Control Panel
- X System Controller
- Conduit/cable entry point
- Heat pump ready connection point
- External Drain Valve
- Music Control (located on cabinet)



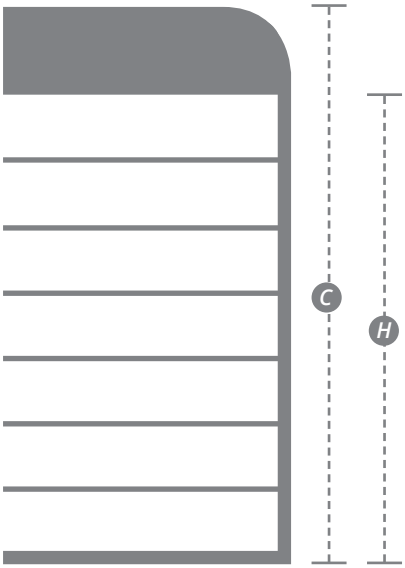


Himalaya

	Measurement	mm
A	Swim Spa Length	5940
B	Swim Spa Width	2280
C	Swim Spa Height	1370
D	Swim Zone Internal Length*	3400
E	Swim Zone Internal Width*	1900
F	Spa Zone Internal Width*	1800
G	Spa Zone Internal Length*	1770
H	Ground to Under Acrylic Lip	1265

Locations of Interest

- Topside Control Panel
- X System Controller
- Conduit/cable entry point
- Heat pump ready connection point
- External Drain Valve
- Music Control (located on cabinet)



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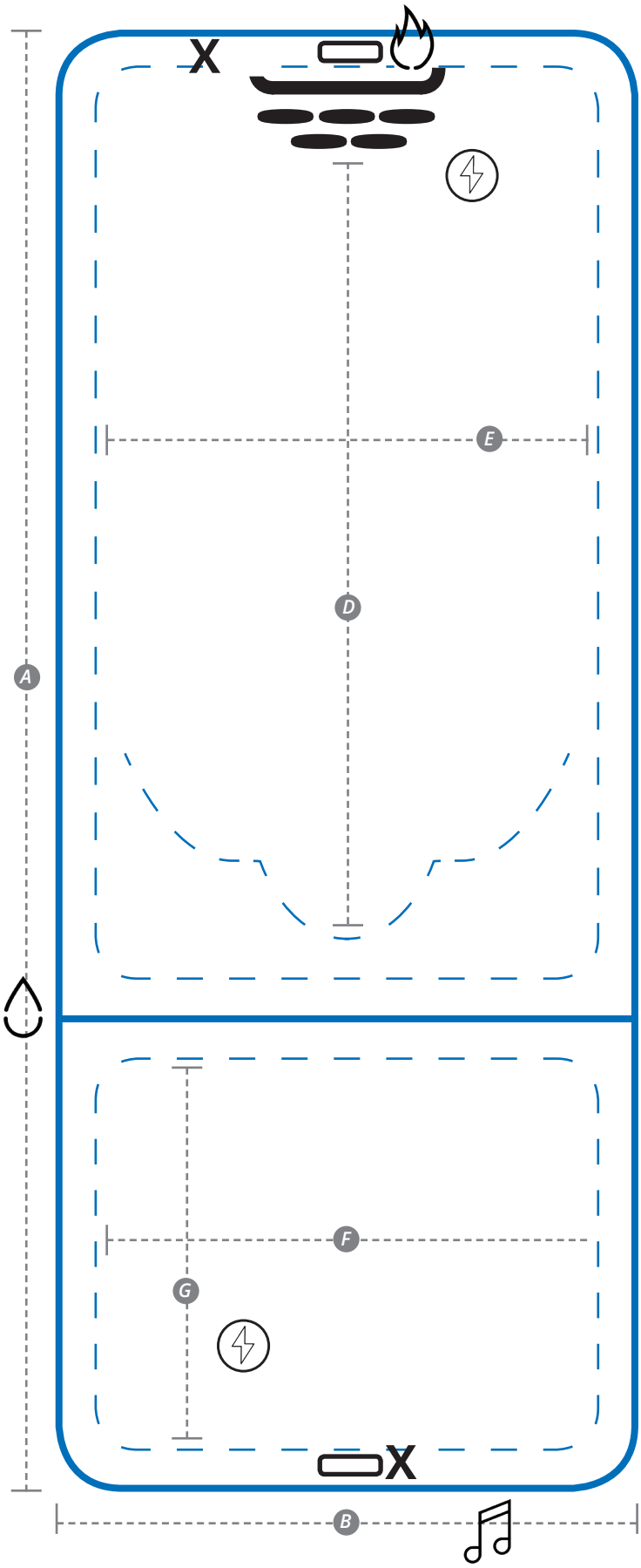


Steps

There are two different versions of Swim Spa steps provided with standard & platinum models. See models below:

890mm (w) x 770mm (l) x 765mm (h)
Included with Hydro Standard, Trident Standard, Olympus Standard & Himalaya Standard.

820mm (w) x 1355mm (l) x 1680mm (h)
Included with Hydro Platinum, Trident Platinum, Olympus Platinum & Himalaya Platinum

Heat Pump

(Included with Platinum Models)

The heat pump measures: 955 x 400 x 550mm (L x W x H).

There is specific positioning and air-space requires to adhere to, so keep this in mind when planning your foundation - see page 22 for details. As per normal heat pump operation, condensation build up will occur and should be piped off to a desired location.

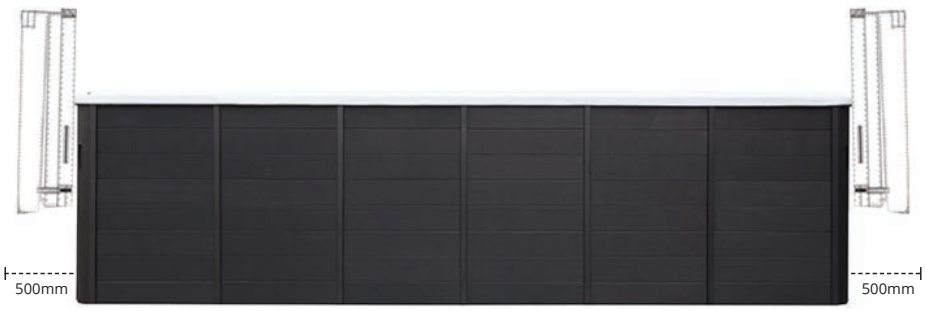
Swim Spa Cover Lifters

Included with your Swim Spa is a cover removal lifter system which consists of two mounting brackets that are attached to the cabinets near the short ends. Depending on the model, some cover lifters remove all covers, while others remove certain sections. Both models stack covers at both short ends of the Swim Spa, but in slightly different ways. Talk with your sales consultant for more detail on the lifter version supplied with your Swim Spa.

Platinum Models (Vacuseal)
The Vacuseal cover lifter includes pneumatic gas shocks which help to assist the removal of the covers. The covers stack at each short end and do not drop down behind the cabinet.

Vacuseal Swim Spa Lifter - Himalaya Platinum Example - Covers in open position.

Standard Models (VX3)
The VX3 lifter stacks the covers behind the short ends of the swim spa. 500mm of clearance at each short end is required for the cover mechanism to 'swing out'.



VX3 Swim Spa Lifter Olympus Example - Covers in open position.

Installation

Foundation Requirements

Swim Spas can weigh over 8 tonne when full of water so it is very important to place it on foundation that will support the weight and be able to deal with damp conditions and water spillage.

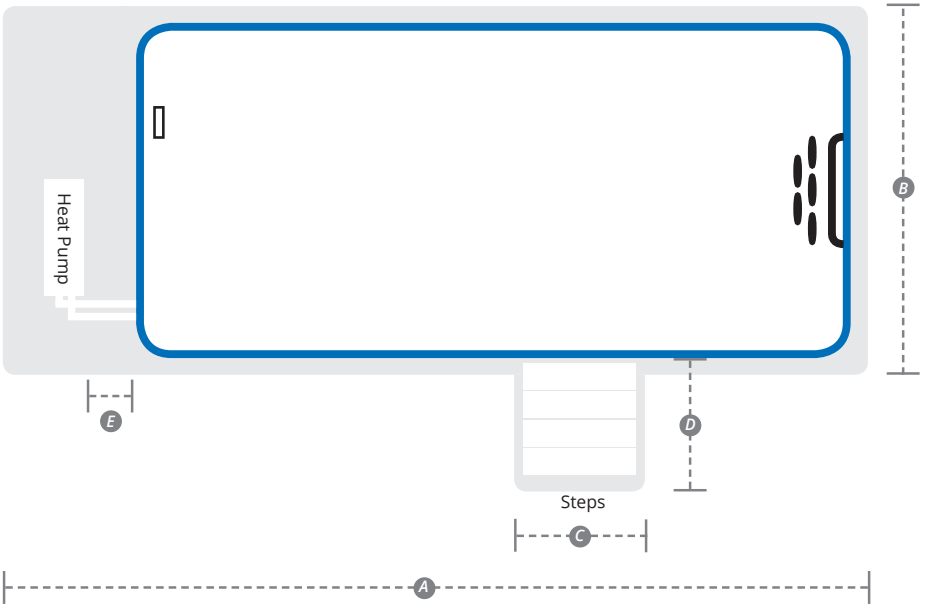
We recommend a level 150mm steel reinforced concrete pad as a minimum requirement.

Drainage will need to be incorporated into the foundation, see page 13 for details. You may also wish to conceal conduit, see page 19 for details.

In terms of size, the foundation should cover the footprint of the Swim Spa and incorporate space for the steps and heat pump. See page 9 for specific measurements of these accessories.

Example Foundation Plan (Trident Platinum):

Concrete pad fits the size of the trident but extra width (+1metre) is given to the heat pump end (controller end). Heat pump placed 300mm off end of swim spa. Extra foundation incorporates space for platinum steps with a bit of room to move.



A. 5200mm
B. 2280mm
C. 900mm
D. 1400mm
E. 300mm

Access

600mm of clearance around the perimeter of the Swim Spa needs to be provided in order to remove the cabinet panels for servicing. Obstructions like buildings, trees and fences should be taken into consideration. If decking or sinking, removable decking pieces can be used to adhere to this requirement.

It is the owners responsibility to ensure that all panels can be removed and accessed around all four sides of the Swim Spa.

Drainage

Having adequate drainage around the Swim Spa is very important. Any build-up of ground water or run-off needs to be directed away from the Swim Spa as flooding issues are not covered by warranty.

Covered gravel trenches around all sides of the foundation could be used to prevent flooding. Additionally, incorporating drainage channels into the concrete pad is recommended.

Your Swim Spa water will also need to be manually drained a few times a year via the external drain valve. A hose attachment is supplied and the external valve should be kept accessible.

If sinking below ground, water run off should be directed to a sump.

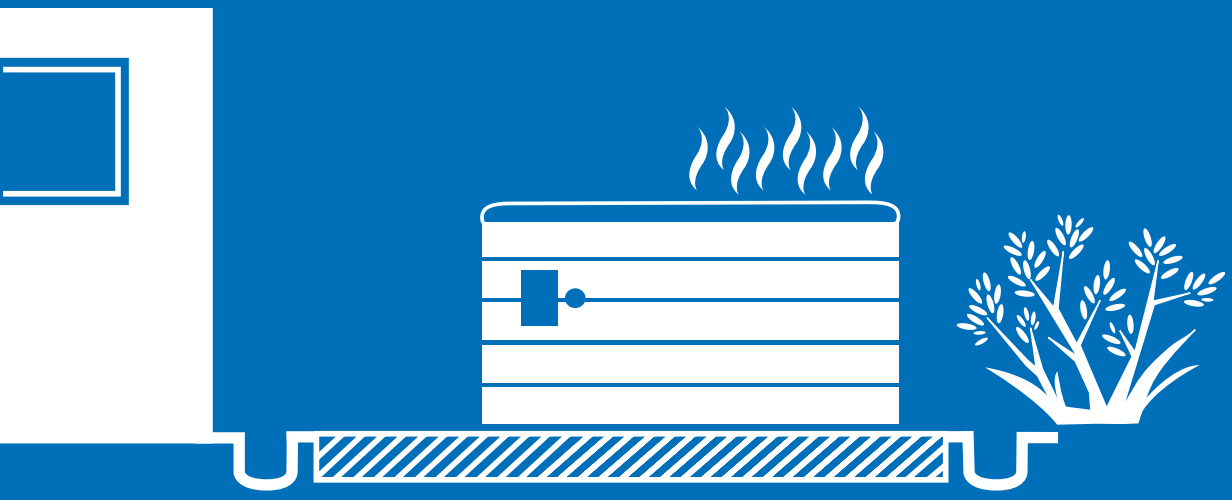
Above Ground Installation

This is most simple method of installing a swim spa. All you need to prepare is your foundation (concrete pad) and place the Swim Spa on top with a Hiab or Crane. Keeping it above ground allows for easy access in-case servicing is required.

Decking or Sinking

Sinking into the ground or adding a deck around your Swim Spa can create a stunning visual appearance, however there are a few things to take into account.

- Foundation requirements stay the same however drainage may need to be reconsidered to suit.
- Access (as described on page 12) is required to the surrounding cabinet panels therefore removable decking pieces or canter-levering should be utilized.
- There are items located on the cabinet panels such as the music docking station and bluetooth control (select models) which may be compromised. Consider a hatch to access these.
- Covers clips are to be installed on the cabinet, how will these be accessed?
- There is an external drainage valve located at the bottom of a cabinet panel, this will need to be accessible to drain the pool 2-3 times per year.

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Below Ground Install

Installing a Swim Spa below ground requires considerable planning and expertize. If it is still feasible to achieve this after considering the requirements as per page14 ('Decking or Sinking'), a plan similar to the below should be followed.

We recommend this project is undertaken by an experienced landscaping and building team.

1. Digging the Pit
A sufficient pit should be dug that will accommodate the foundation measurements. Remember to include area for heat pump, drainage and 600mm perimeter access.

2. Retaining Walls,
The pit should have surrounding retaining walls built with timber or concrete. The retaining walls should be sealed and waterproofed.

3. Drainage
Adequate draining options need to be fitted into the pit to remove water from any spill or leaks. This can be done with gravity drain or into a sump with a submersible pump fitted.

4. Foundation
The reinforced foundation should then be poured. Remember to take account of the foundation adding extra height to the swim spa.

5. Positioning
Once the foundation has cured, the Swim Spa can be lifted into place.

6. Decking
Removable decking sections can then be added to complete the installation. Remember that access is required around the perimeter of the Swim Spa. Failure to comply with these requirements may result in significant costs at time of service.

Electrical Requirements

Required Amperage

Swim Spas require a much larger power supply than a Spa Pool because of the pumps used to drive the swim flow. When the swimming function is not in operation however, they draw less power, especially if a heat pump is fitted.

The Swim Spa can be programmed to a variety of different ‘setups’ to support the total amount of power supply available at your property. You will need to talk with your electrician to confirm what is possible.

‘Load Shedding & Limiting’ can be applied to limit the amount of components that will run at one time, allowing you to use the Swim Spa at a lower amperage draw.

The controllers require hard-wiring (single, dual or three phase) with the exception of the 15A controllers which are already pre-wired with a 15A cable & plug.

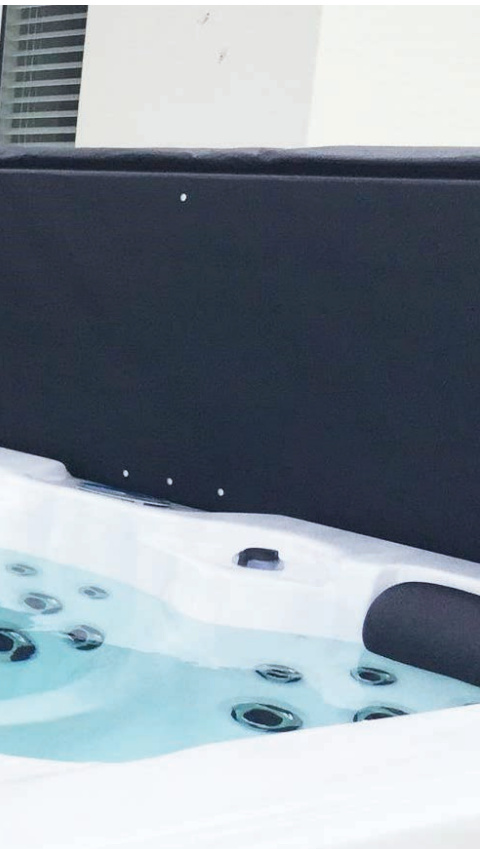
Amperage (A) required for Single Zone Models:

Model	Recommended	Minimum Setup[1]	Maximum Setup[2]
Hydro Splash	15A	15A	25A
Hydro Standard & Plat	32A	32A	45A
Trident Standard & Plat	45A	45A	55A
Olympus Standard & Plat	45A	45A	55A

Amperage (A) required for Dual Zone Models:

*Note: Dual zone models have two separate controllers and should be set up with separate power feeds & isolation switches.**

Model	Recommended	Minimum Setup[1]	Maximum Setup[2]
Himalaya Standard Spa Zone	15A	15A	25A
Himalaya Standard Swim Zone	32A	32A	45A
Himalaya Platinum Spa Zone	15A	15A	25A
Himalaya Platinum Swim Zone	45A	45A	55A



[1] The minimum required amps to run the Swim Spa. The heater will 'load shed' when pumps are turned on. We recommend this option as heating is generally not required while swimming (too warm) and for the fact that higher amperage supplies cost more to install and are generally not feasible for the average home power setup.

[2] The maximum setup means no heater load shed will take place and all components will run together at once.

** Setting up a dual zone model with two individual connections allows each zone to be switched off independently.*

Note: Documentation that includes detailed breakdown of the setups and components is available and will need to be supplied to your electrician for confirmation.

Cable Positioning

You will need to confirm with your electrician not only the amperage setup but also the cable layout/route as power needs to be fed from your switchboard to the swim spa. In terms of getting the cable into the controller/s, there are two options:

Cabinet Wall Entry:
Wiring through the side of the Swim Spa only requires drilling through the cabinet, installing a grommet and feeding the power cable through to be connected to the controller.

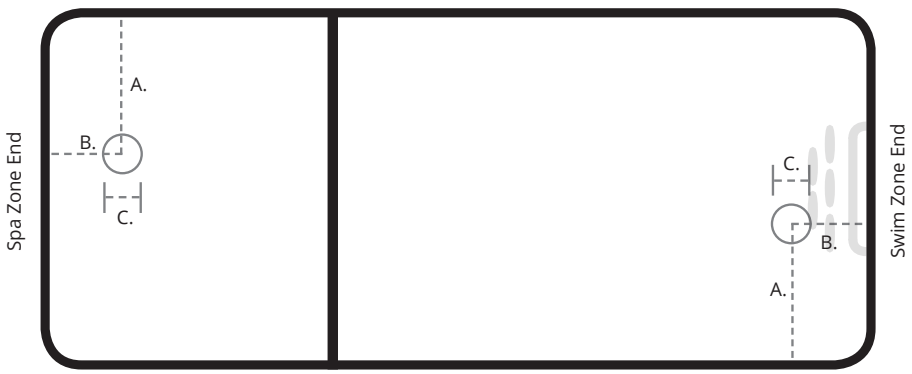
Concealing the Cable:
For a tidier look and if the foundation allows, the cable can be fed up through the underside of the Swim Spa base to conceal it. A 200mm hole has been pre-cut into the base in at the CONTROLLER END (both ends on dual models) to allow the Swim Spa to be laid over the top of it at time of delivery.
See below diagrams for measurements that indicate location of hole to pass cable through.

Hydro, Trident & Olympus Models (Not to Scale)

A: 800mm B: 400mm C: 200mm (Diameter)

Himalaya Model (Not to Scale)

A: 800mm B: 400mm C: 200mm (Diameter)



Heat Pump

Overview

Heat pumps are highly recommended for Swim Spas as you are heating a large volume of water. Our platinum models include the SpaNet 8.8kW Heat Pump, however you can still purchase and add one to any standard or splash model as heat pump ready piping is pre-installed in the plumbing.

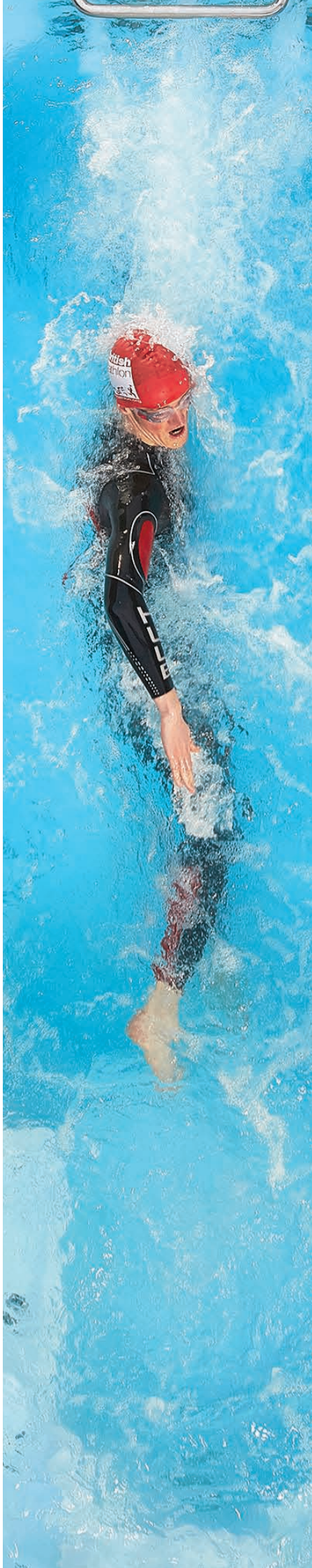
Installation is required.

Positioning

Careful consideration should be given to heat pump placement as there are air-space requirements and max/min distances from certain components before the unit becomes less efficient.

All Swim Spa models include 'heat pump ready piping' (to attach your plumbing to) - see pages 5-8 for locations.

The heat pump should be positioned on the same level as the base of the swim spa and should be placed within 2m of the 'heat pump ready piping' for maximum efficiency. If the Swim Spa is not fenced, the unit should be placed 1.2m away from the cabinet and the piping kept low to the ground so it cannot be used as a step.



Installation

Please follow the instructions in our 'heat pump installation guide' which is available from your sales consultant.

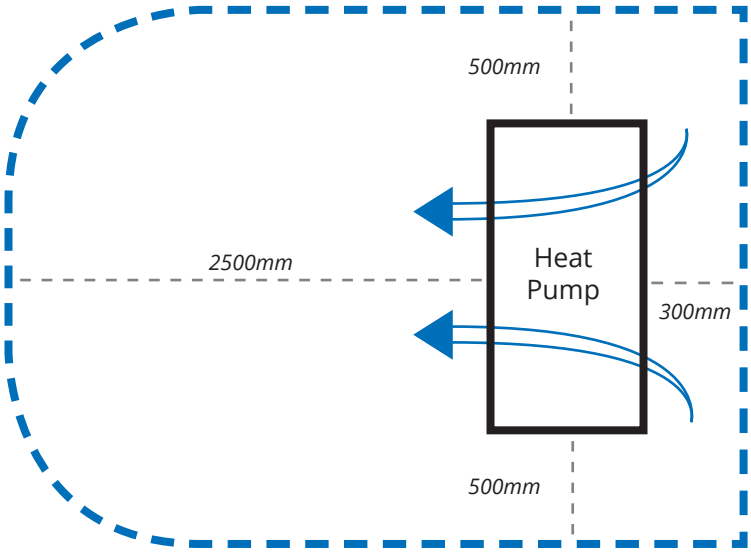
Specs & Requirements

The SpaNet 8.8kW Heat Pump measures:
955mm x 400mm x 550mm (WxLxH)

There are specific air-space requirements for the heat pump: - the manufacturer recommends 300mm clear space behind (air intake), 500mm clear space each side and 2.5m clear space to the front of the unit (air flow out). See diagram below.

No separate power supply is required, the heat pump has 4.2m data & power cables that connects easily to the controller for seamless integration.

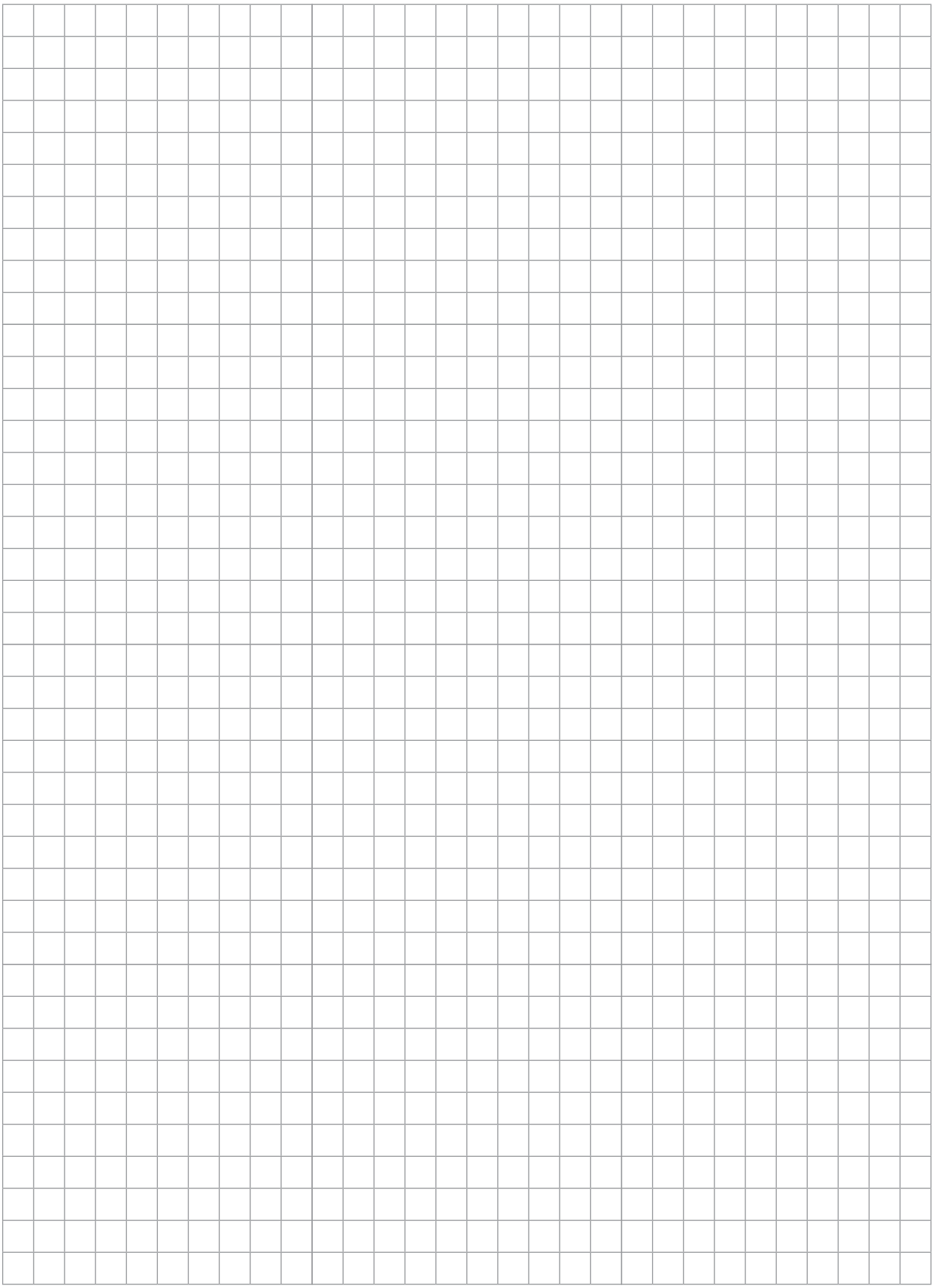
Heat pump installation requires 40mm plumbing hard pipe (straights, elbows & unions) and is not provided.



Alpine Spas approval is required for any exceptions to the installation guidelines.

Notes

Sketch



Order Checklist

Alpine Spas understands a project of this nature needs to run smoothly. Below is a sample checklist with some important steps to begin considering once you have placed your order.

Order Details

Make sure the details on the order are correct. Please check the delivery address, contact phone numbers & email address are correct as well as the model & colour of the Swim Spa.

Delivery Week

Confirm your desired week of delivery with your sales consultant is correct. Our dispatch team will liaise with you to confirm a date within that week that suits all parties.

Delivery Method

Are you aware of what is included in your chosen delivery option?
Auckland/Christchurch - Have site checks been completed & delivery price been received?
Nationwide Freight Delivery - Depot Delivery can take 3-5 working days from the dispatch date on your order. The Depot will contact you once your Swim Spa is ready for collection.
Custom Delivery - Has Alpine Spas received a clear description/photos of your delivery access? Have site checks been completed (if required) & delivery prices been received?
**Failing to disclose all relevant delivery information may result in addition charges.*

Payments

Balance payments need to be settled a minimum of two weeks prior to dispatch date to provide opportunity to book in preferred freight/delivery method.

Swim Spa Planning (1 month out)

- Have you confirmed the possible 'electrical setup' with your electrician.
- Are the foundations complete and reinforced to support the weight of your Swim Spa?
- Have you determined the Swim Spas final placement and direction you want the Swim Spa facing; taking the cover lifter, steps and heat pump placement into account?
- Do you have 600mm clearance around the Swim Spas final position?

Installation (Nationwide Deliveries)

- You will need to remove and dispose of the packaging the Swim Spa is delivered in.
- Cover Lifters do not come attached. They do come with assembly instructions, however you will need a drill, socket set, spanners and a measuring tape to complete installation.
- Covers do not come attached. You will need a drill to attach the cover clips to the spa to enable you to lock cover on securely.
- Steps require simple assembly.
- Heat Pumps (if included/purchased separately) require plumbing into the Swim Spa.

Electricians & Wiring

- Auckland/Christchurch - Electricians or Water Delivery teams should be booked for the day after delivery in the rare instances there are delays.
- Freight Provider Delivery - Please allow at least 7 business days from the date of dispatch or wait for the spa to arrive.

Water Testing

All our Swim Spas are water tested. While they are completely drained, sometimes there can be a little bit of water left in the pipes which can come out during the freight process. This may mean there is a bit of water in the pool when it arrives.

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www.alpinespas.co.nz

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