



H2X CHALLENGER & MICHAEL PHELPS SERIES

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# SWIM SPA

## Pre-Delivery Guide





**MICHAEL PHELPS**  
SIGNATURE SWIM SPAS™

A stylized, handwritten signature of Michael Phelps in a light grey color, positioned at the bottom of the page.

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# Delivery

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## HIAB Truck

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 to enquire.

*\*For Hiab/Crane deliveries you will need to ensure the access way is able to withstand the weight of the truck and load.*

## Collection

For those organising their own transport, the Swim Spa can be collected from our Auckland or Christchurch Warehouses. Please discuss your collection details with our dispatch team.

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.

Please confirm the weight and size of the Swim Spa (see Swim Spa model pages) with your transport company to ensure they have the right equipment to collect it. It's always a good idea to





# Choosing an Area

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## Factors to Consider

To maximize the enjoyment of your Swim Spa, its location, placement and orientation should be carefully considered. Consider the following questions when deciding on a suitable area.

- Can electrical cable reach the preferred site from the mains?
- 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.
- Is there enough room for any accessories or steps you wish to incorporate?
- Does your location support access around the entire Swim Spa? Full perimeter clearance is required for access to all cabinet 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 furniture?

## 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 it is 1.53m high. In this case, steps or any other objects that could be used to climb the wall will need to be removable when not in use. Permanent objects need to be at least 1.2m away 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.





# Installation

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## 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. Tiles, crushed stone or similar are not acceptable foundations as they can shift seasonally and will void warranty.

Drainage will need to be incorporated into the foundation, see page below for details. You may also wish to conceal the conduit for the electrical wiring, a process that involves pre-planning and then precises execution at time of delivery - see Swim Spa model pages for more detail.

In terms of size, the foundation should slightly cover the base footprint of the Swim Spa (by 100mm or so at least) and incorporate space for any accessories you may wish to add such as steps.

## 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 a submersible pump (not included).

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



## 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 still remain (as per previous page)
- Drainage is still required and may need to be redesigned to suit the project. Recessed Swim Spas will require water run off to be directed to a sump.
- Access (as described on previous page) is required to the surrounding cabinet panels therefore removable decking pieces or canter-levering must be incorporated.
- Covers clips are to be installed on the cabinet, how will these be accessed?

Please discuss your plans with your sales consultant before undertaking any work to ensure there are no surprises down the road.



## 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.

## Below Ground Install

Installing a Swim Spa below ground requires considerable planning and expertise. If it is still feasible to achieve this after considering the requirements outlined on the previous page, 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 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.







# H2X Challenger 15D

## DIMENSIONS

A	Swim Spa Length	458cm
B	Swim Spa Width	239cm
C	Swim Spa Height	153cm

## SPECIFICATIONS

7306 LITRES

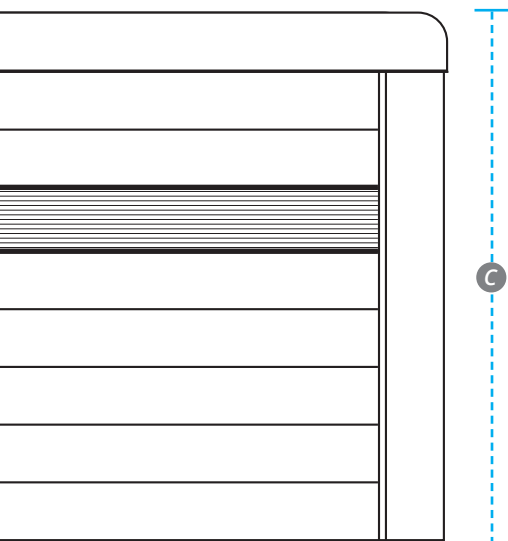
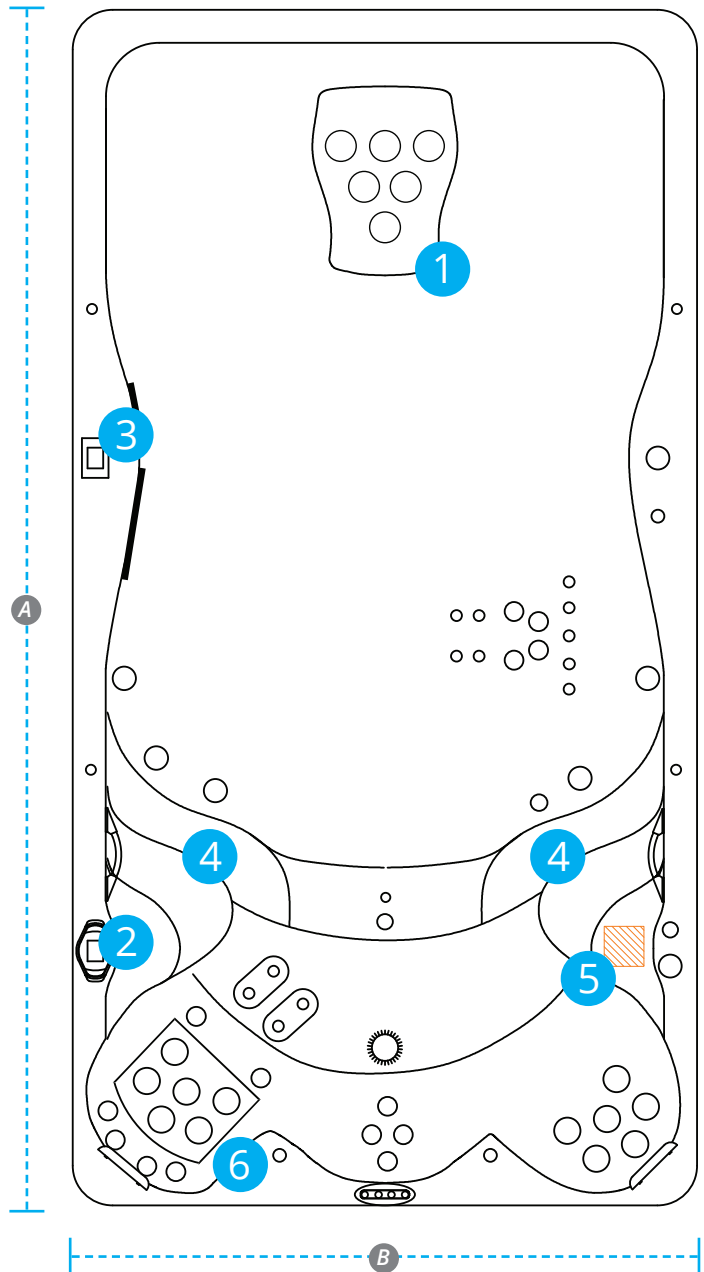
1148KG DRY / 8870KG FULL

## POINTS OF INTEREST\*

- ① Swim Jet Propulsion System
- ② Topside Control Panel
- ③ Secondary Topside Control Panel
- ④ Internal Steps Entry
- ⑤ Conduit Safe Entry Point<sup>†</sup> (Under Base)
- ⑥ Swim System Control Box (Inside Cabinet)

\*Location markings are approximate indications of general area where component/part will be located.

<sup>†</sup>Conduit safe entry point is not pre-cut.



## ELECTRICAL REQUIREMENTS

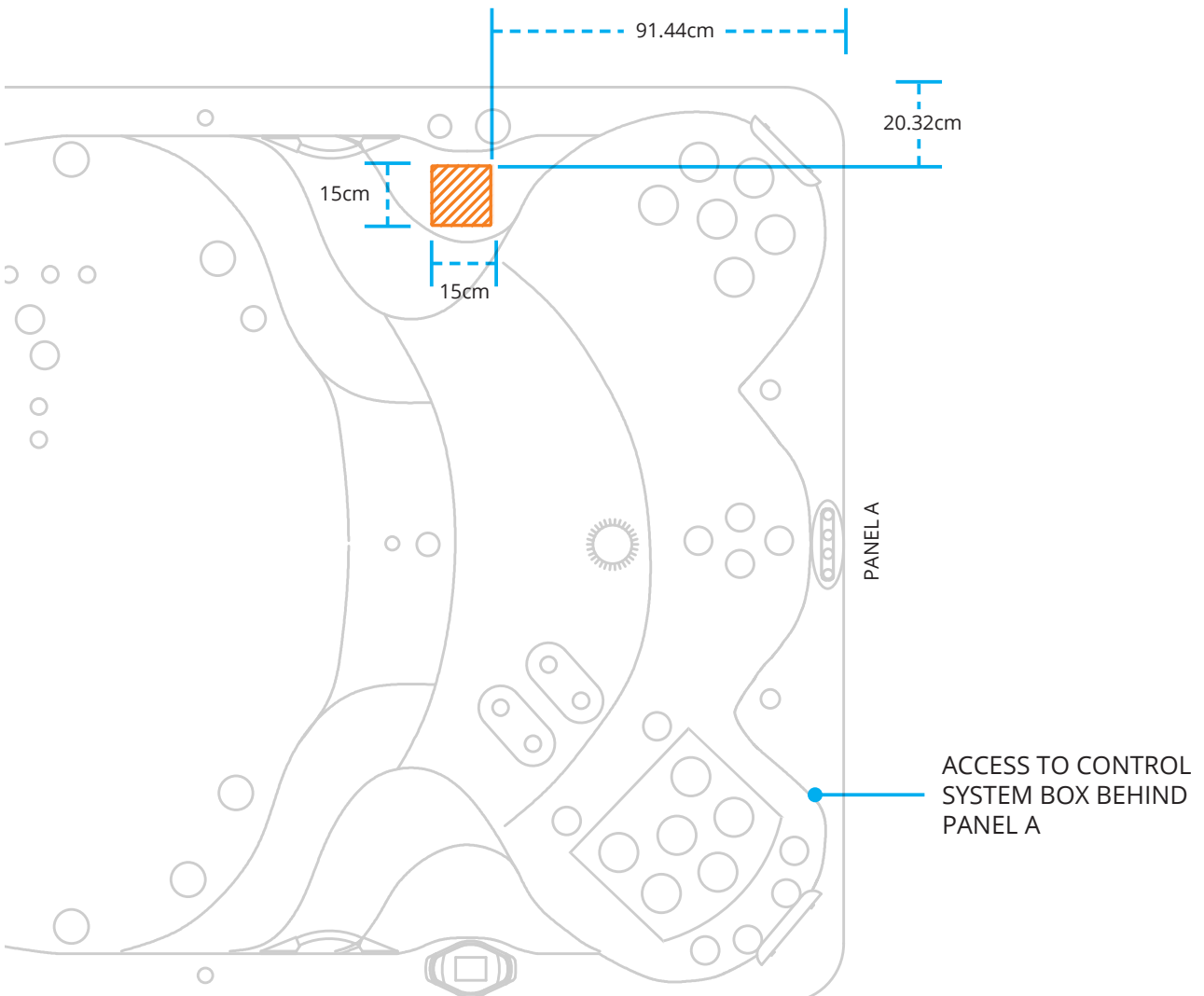
230V - 32A

The H2X Challenger 15D requires a dedicated 32A electrical supply. This feed should be hardwired back to your mains with the appropriate safety devices and isolation switches. No cable or electrical equipment (RCD etc.) is provided with the Swim Spa.

The control system (wiring terminal) is located behind the Swim Spa panel marked 'A' in the below diagram. A wiring pack is available for your electrician which includes detail on how to remove panels.

### CONDUIT ENTRY SPACE (SAFE ZONE)

If the foundation allows, your power cable can be fed up through the underside of the Swim Spa base to conceal it. The below diagram indicates a safe zone area 15cm wide where no components or piping will interfere with the conduit. Placing a conduit stub within this area in your foundation will then allow the Swim Spa to be laid over the top of it at time of delivery. ***Please note this space is not pre-cut, it needs to be cut on site, at time of delivery.*** Be sure to leave at least 2 metres of cable to reach the control system located behind panel A.



# H2X Challenger 18D

## DIMENSIONS

A	Swim Spa Length	547cm
B	Swim Spa Width	239cm
C	Swim Spa Height	153cm

## SPECIFICATIONS

7874 LITRES

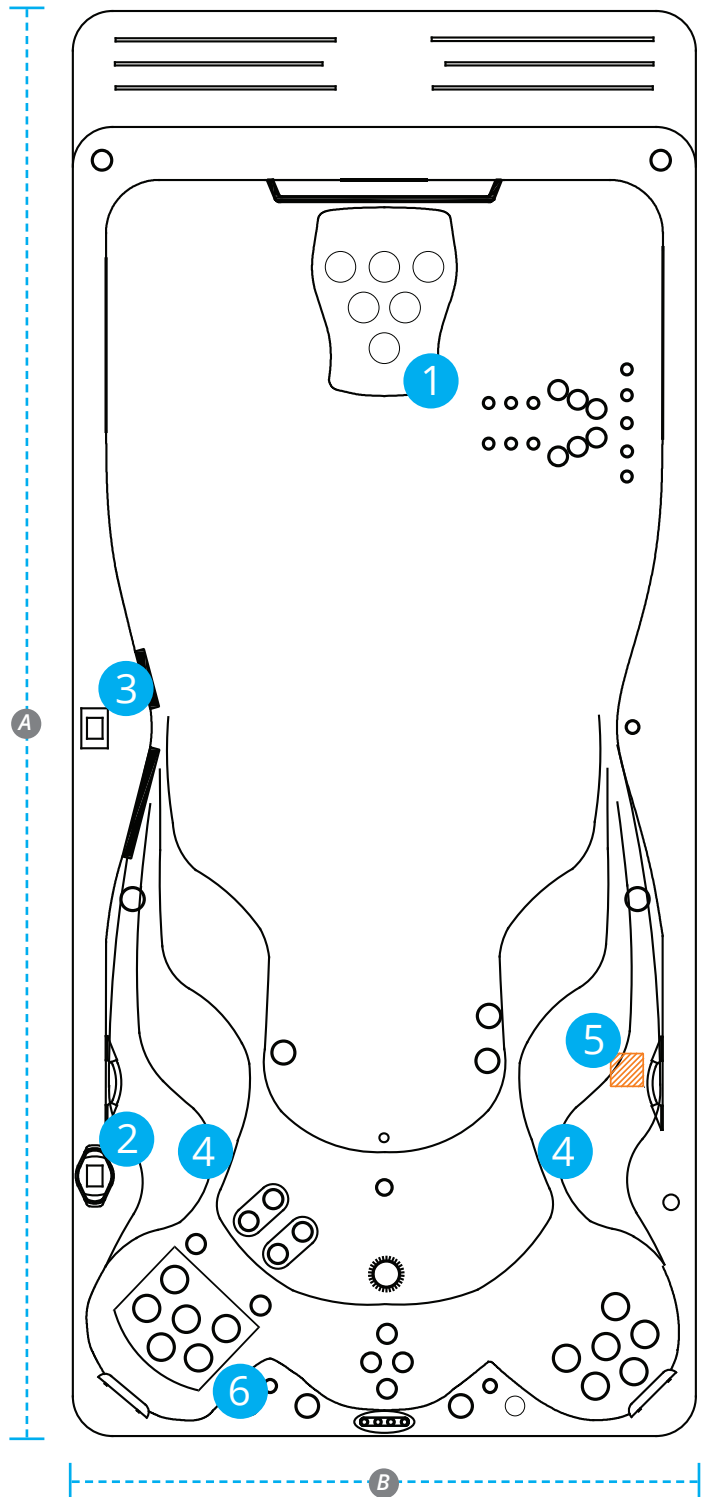
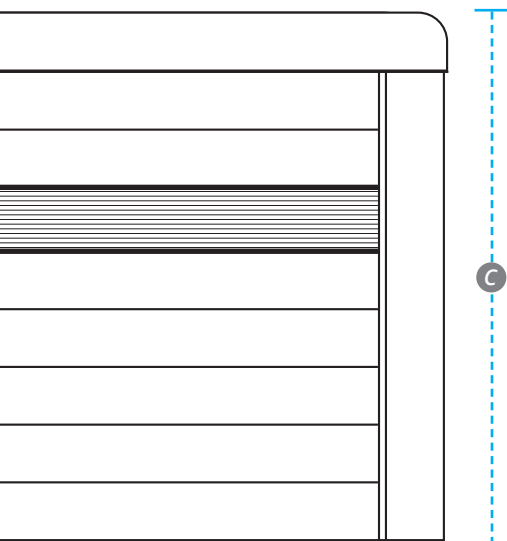
1288KG DRY / 9578KG FULL

## POINTS OF INTEREST

- ① Swim Jet Propulsion System
- ② Topside Control Panel
- ③ Secondary Topside Control Panel
- ④ Internal Steps Entry
- ⑤ Conduit Safe Entry Point† (Under Base)
- ⑥ Swim System Control Box (Inside Cabinet)

\*Location markings are approximate indications of general area where component/part will be located.

†Conduit safe entry point is not pre-cut.





## ELECTRICAL REQUIREMENTS

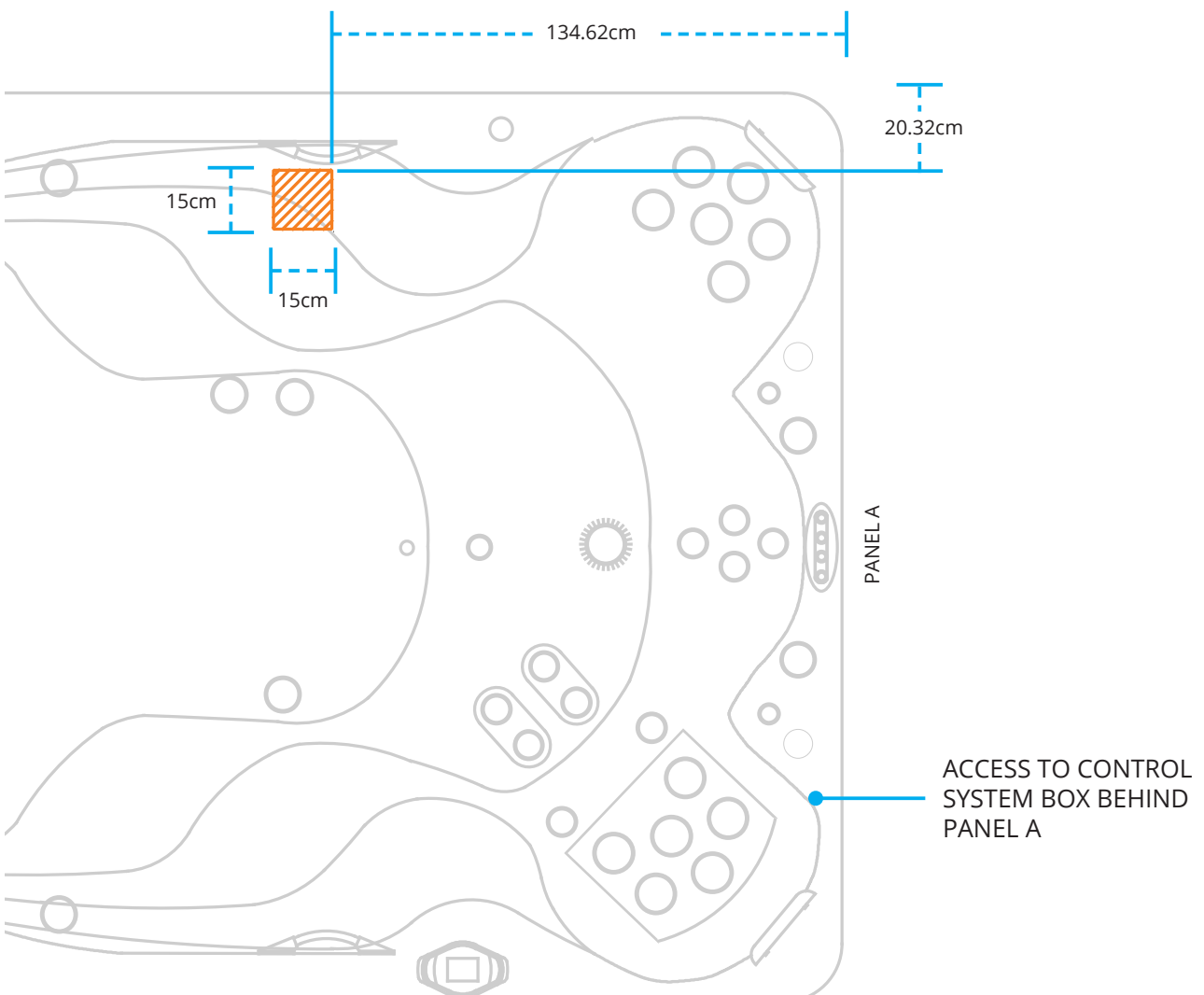
230V - 32A

The H2X Challenger 18D requires a dedicated 32A electrical supply. This feed should be hardwired back to your mains with the appropriate safety devices and isolation switches. No cable and/or electrical equipment (RCD etc.) is provided with the Swim Spa.

The control system (wiring terminal) is located behind the Swim Spa panel marked 'A' in the below diagram. A wiring pack is available for your electrician which includes detail on how to remove panels.

### CONDUIT ENTRY SPACE (SAFE ZONE)

If the foundation allows, your power cable can be fed up through the underside of the Swim Spa base to conceal it. The below diagram indicates a safe zone area 15cm wide where no components or piping will interfere with the conduit. Placing a conduit stub within this area in your foundation will then allow the Swim Spa to be laid over the top of it at time of delivery. **Please note this space is not pre-cut, it needs to be cut on site, at time of delivery.** Be sure to leave at least 2 metres of cable to reach the system controller located behind panel A.



# H2X Challenger 19D

## DIMENSIONS

A	Swim Spa Length	587cm
B	Swim Spa Width	239cm
C	Swim Spa Height	153cm

## SPECIFICATIONS

8650 LITRES (7610L SWIM ZONE + 1040L SPA ZONE)

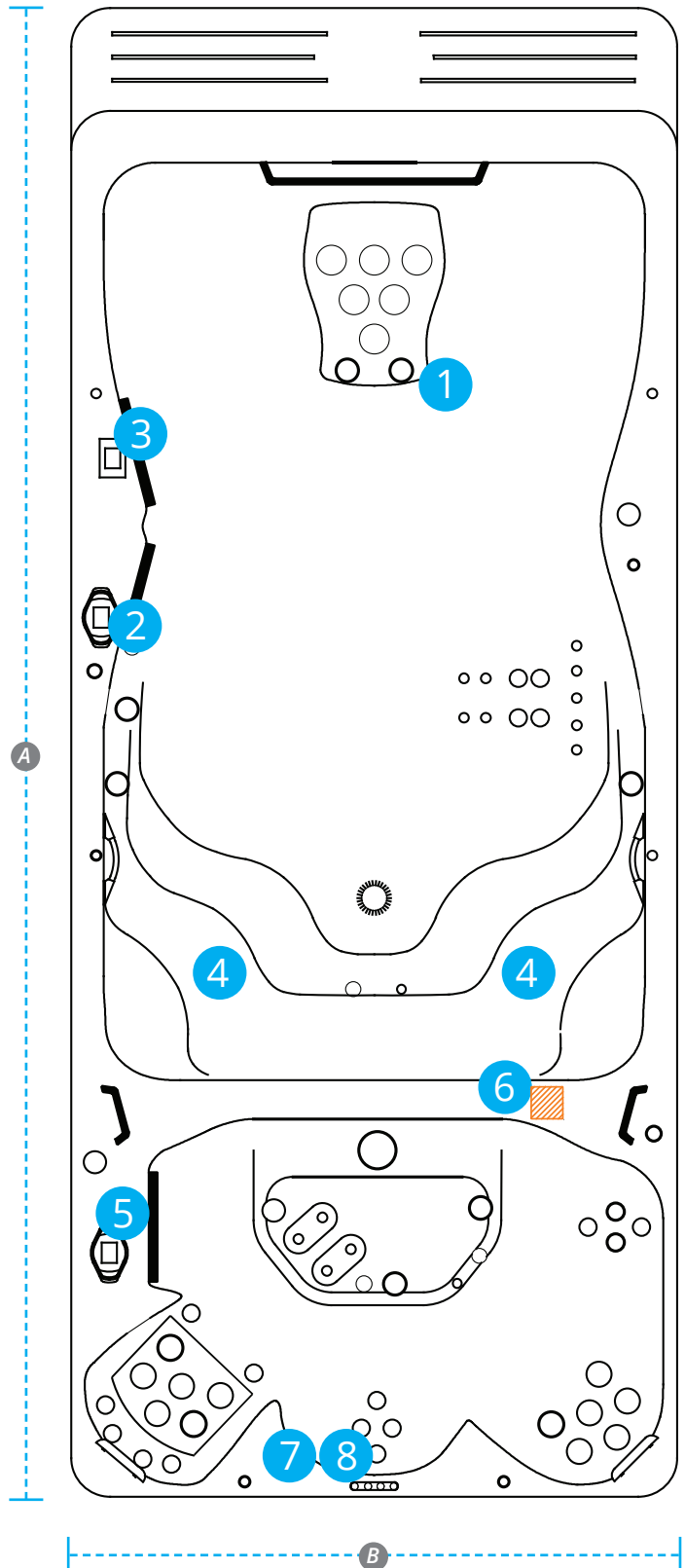
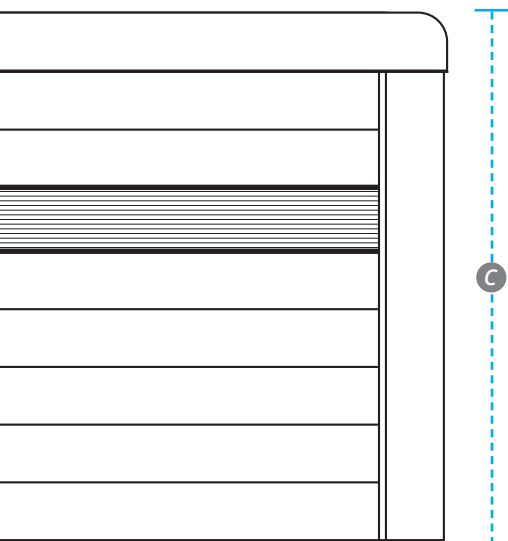
1558KG DRY / 10791KG FULL

## POINTS OF INTEREST

- ① Swim Jet Propulsion System
- ② Swim Zone Topside Control Panel
- ③ Secondary Swim Zone Topside Control Panel
- ④ Swim Zone Internal Steps Entry
- ⑤ Spa Zone Topside Control Panel
- ⑥ Conduit Safe Entry Point† (Under Base)
- ⑦ Swim System Control Box (Inside Cabinet)
- ⑧ Spa System Control Box (Inside Cabinet)

\*Location markings are approximate indications of general area where component/part will be located.

†Conduit safe entry point is not pre-cut.



## ELECTRICAL REQUIREMENTS

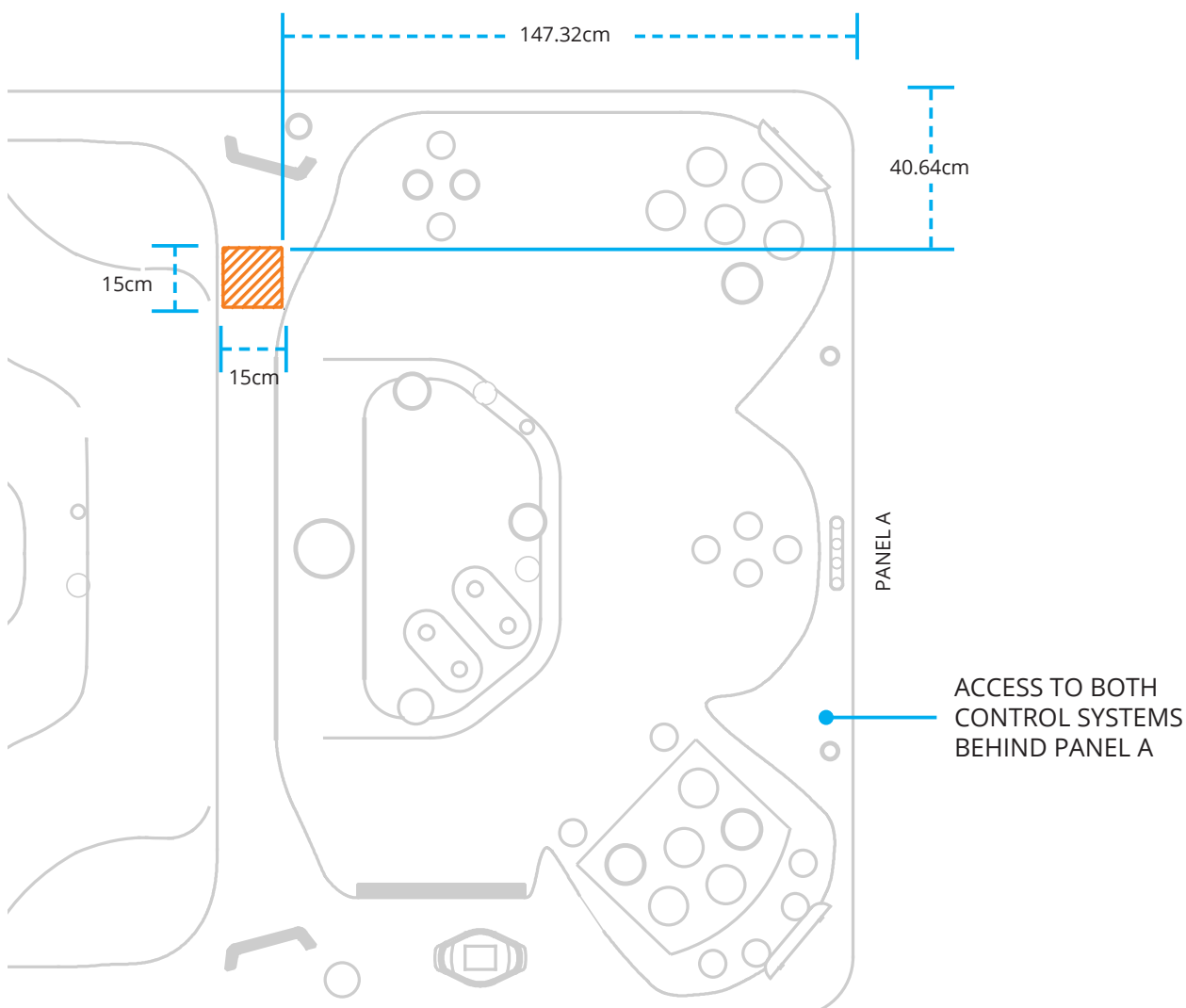
230V - 32A - Spa Zone

230V - 32A - Swim Zone

The H2X Challenger 19D is a dual zone Swim Spa which requires two individual 32A electrical supplies to power each zone. These two feeds should be connected individually on their own isolation switches (so either zone can be disabled) and be hardwired back to your mains with the appropriate safety devices. No cable or electrical equipment (RCD etc.) is provided. Both control systems are located behind the Swim Spa panel marked 'A' in the below diagram. A wiring pack is available for your electrician which includes detail on how to remove panels.

## CONDUIT ENTRY SPACE (SAFE ZONE)

If the foundation allows, your power cables can be fed up through the underside of the Swim Spa base to conceal it. The below diagram indicates a safe zone area 15cm wide where no components or piping will interfere with the conduit. Placing a conduit stub within this area in your foundation will then allow the Swim Spa to be laid over the top of it at time of delivery. ***Please note this space is not pre-cut, it needs to be cut on site, at time of delivery.*** Be sure to leave at least 2 metres of each cable to reach each system controller located behind panel A.





# MP Force D

## DIMENSIONS

A	Swim Spa Length	511cm
B	Swim Spa Width	239cm
C	Swim Spa Height	153cm

## SPECIFICATIONS

7325 LITRES

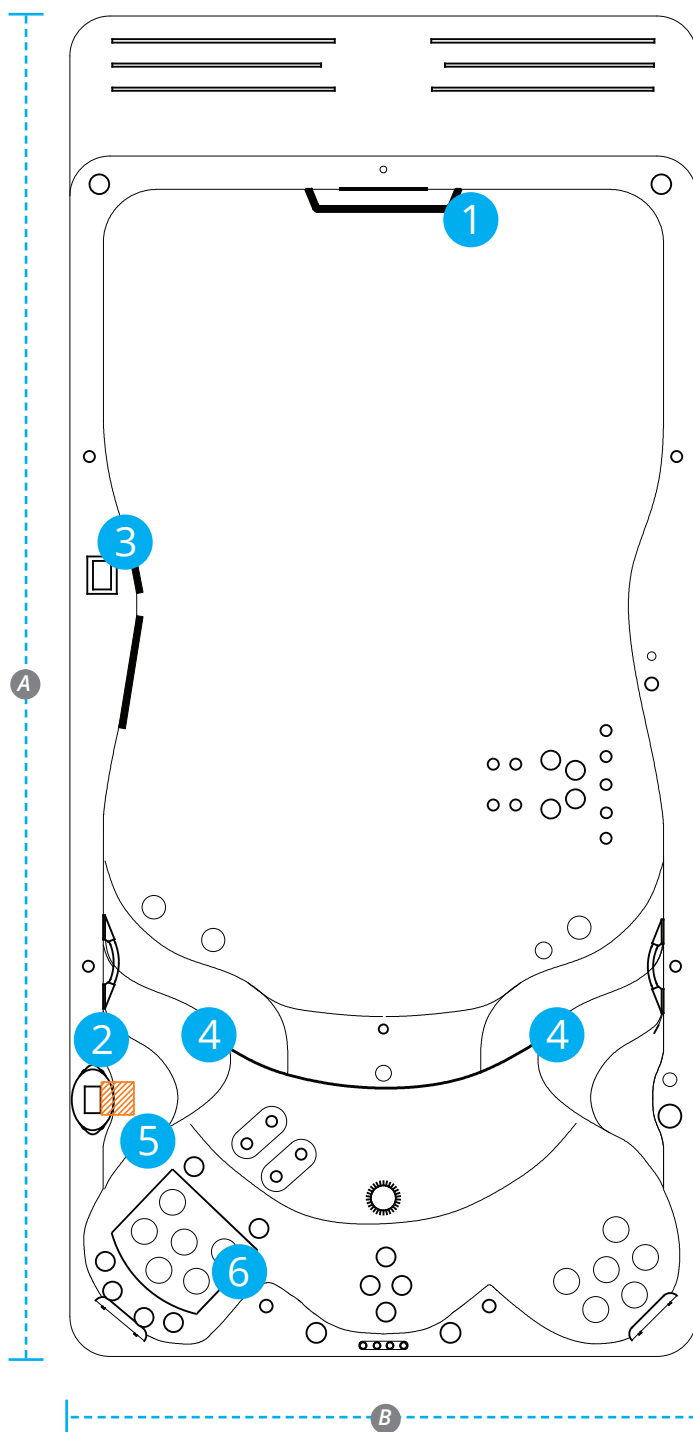
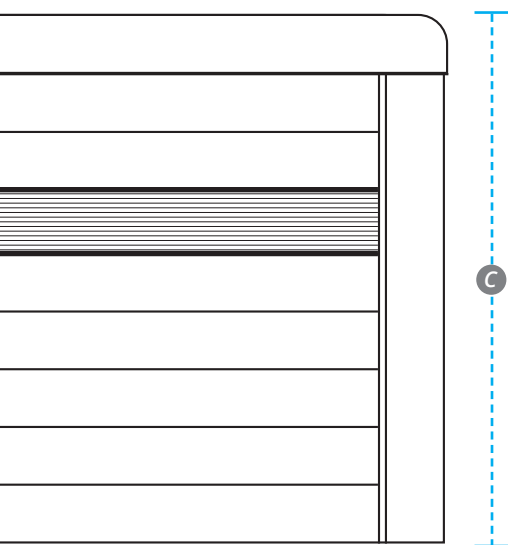
1218KG DRY / 8959KG FULL

## POINTS OF INTEREST\*

- ① Wave XP Propulsion System
- ② Topside Control Panel
- ③ Secondary Topside Control Panel
- ④ Steps Entry
- ⑤ Conduit Safe Entry Point † (Under Base)
- ⑥ Distribution Box (Inside Cabinet)

\*Location markings are approximate indications of general area where component/part will be located.

†Conduit safe entry point is not pre-cut.



## ELECTRICAL REQUIREMENTS

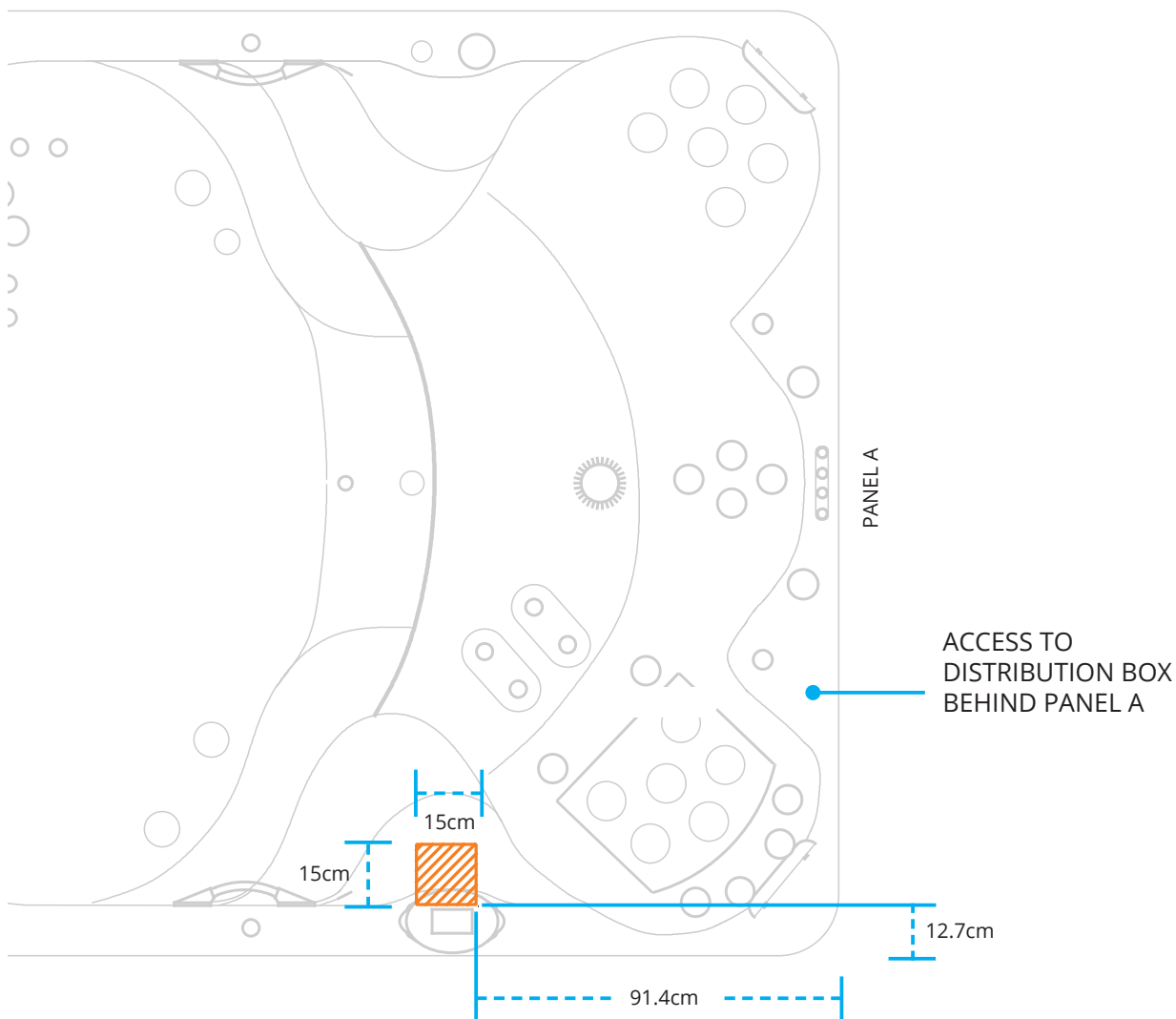
230V - 32A Wave XP Propulsion System

230V - 32A Spa Pack

The MP Force D requires two individual 32A electrical supplies for operation. Both feeds should be hardwired from your mains individually into the provided distribution box found within the Swim Spa. No cable or electrical equipment (RCD etc.) is included with the Swim Spa (other than an internal distribution box which is pre-wired to the spa pack and propulsion system) and therefore should be provided and installed by your electrician. The distribution box is located behind Swim Spa panel marked 'A' in the below diagram. A wiring pack is available for your electrician which includes detail on how to remove panels.

## CONDUIT ENTRY SPACE (SAFE ZONE)

If the foundation allows, your power cable can be fed up through the underside of the Swim Spa base to conceal it. The below diagram indicates a safe zone area 15cm wide where no components or piping will interfere with the conduit. Placing a conduit stub within this area in your foundation will then allow the Swim Spa to be laid over the top of it at time of delivery. **Please note this space is not pre-cut, it needs to be cut at time of delivery.** Be sure to leave at least 2 meters of cable to reach the distribution box located behind panel A.



# MP Signature D

## DIMENSIONS

A	Swim Spa Length	547cm
B	Swim Spa Width	239cm
C	Swim Spa Height	153cm

## SPECIFICATIONS

8610 LITRES

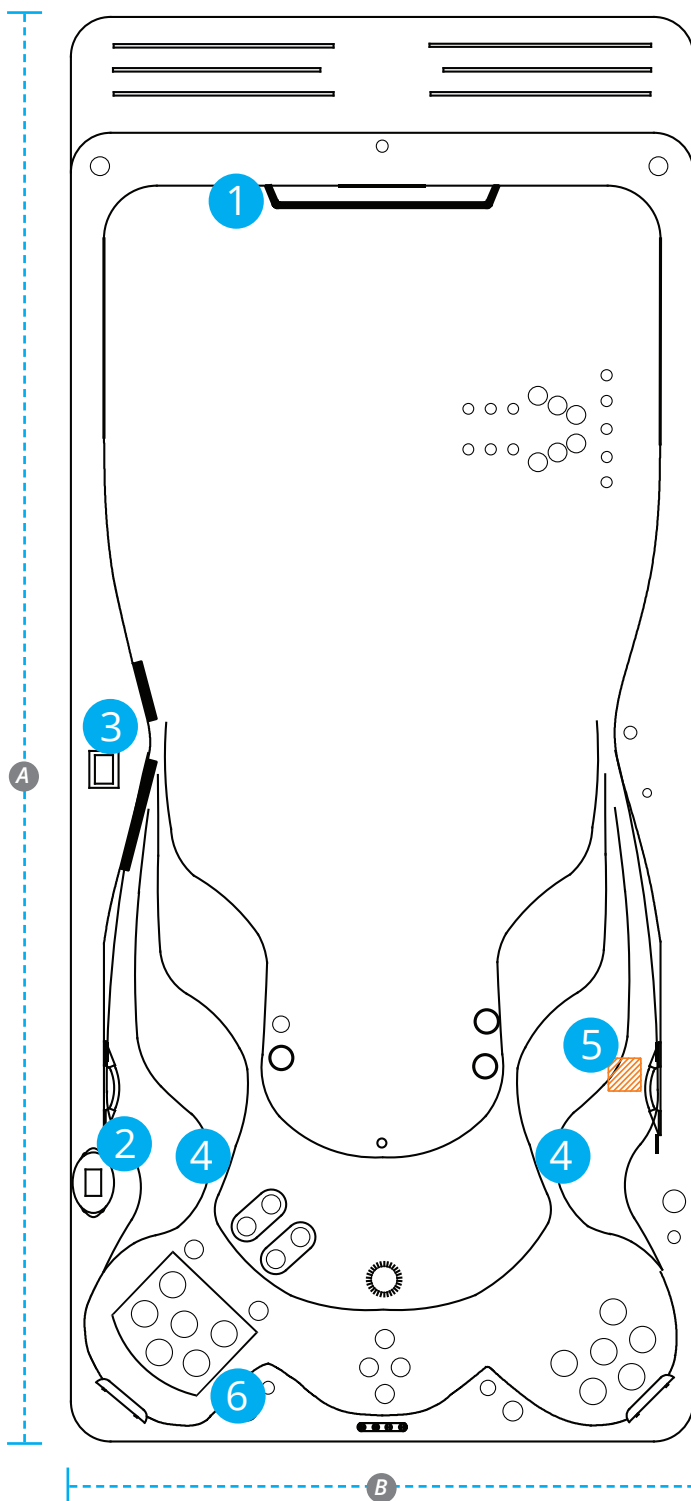
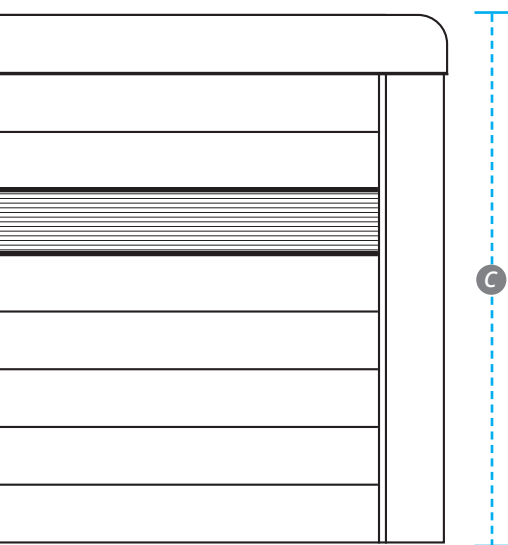
1268KG DRY / 10295KG FULL

## POINTS OF INTEREST

- ① Wave XP Propulsion System
- ② Topside Control Panel
- ③ Secondary Topside Control Panel
- ④ Steps Entry
- ⑤ Conduit Safe Entry Point<sup>†</sup> (Under Base)
- ⑥ Distribution Box (Inside Cabinet)

\*Location markings are approximate indications of general area where component/part will be located.

<sup>†</sup>Conduit safe entry point is not pre-cut.





## ELECTRICAL REQUIREMENTS

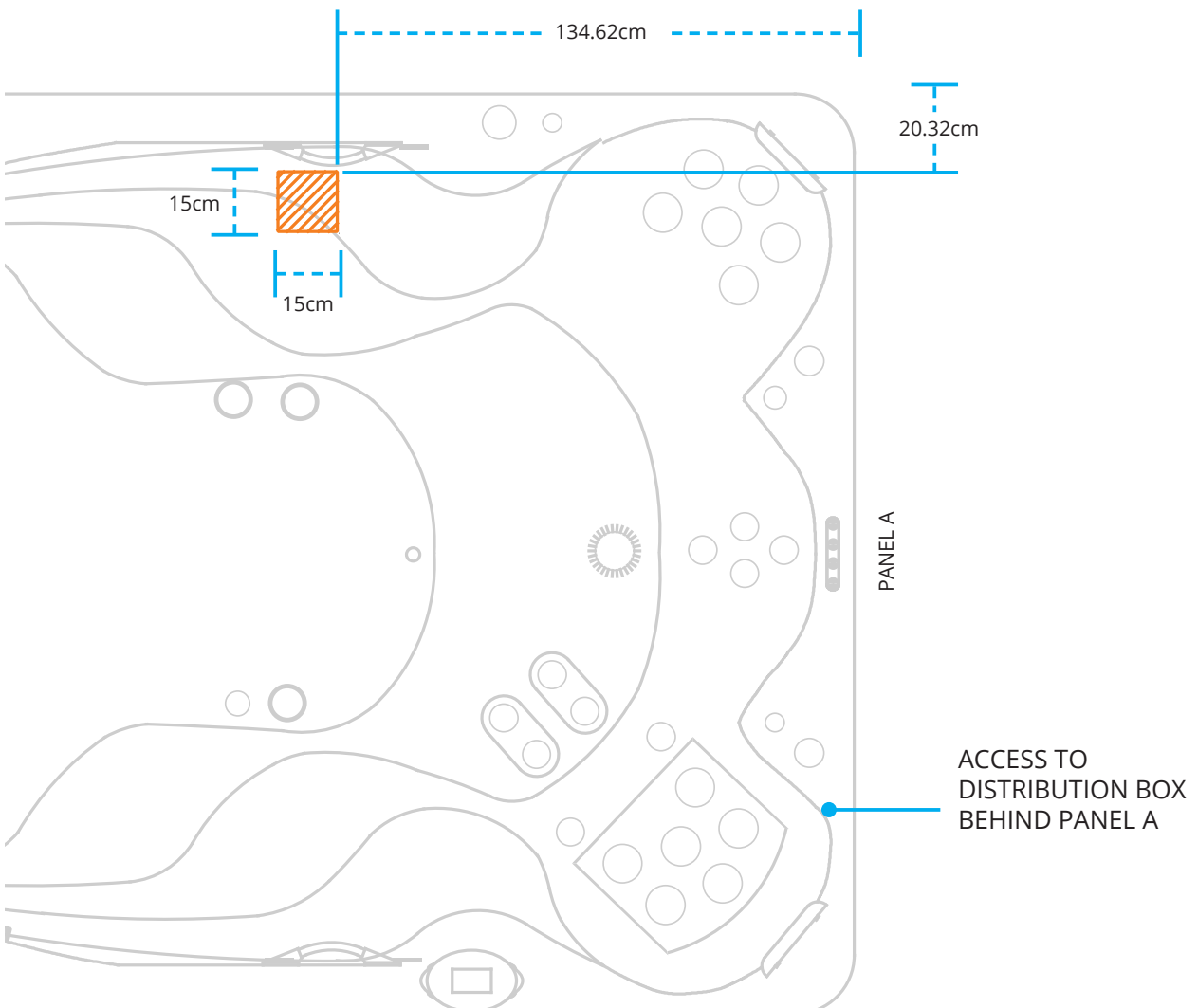
230V - 32A Wave XP Propulsion System

230V - 32A Spa Pack

The MP Signature D requires two individual 32A electrical supplies for operation. Both feeds should be hardwired from your mains individually into the provided distribution box found within the Swim Spa. No cable or electrical equipment (RCD etc.) is included with the Swim Spa (other than the internal distribution box which is pre-wired to the spa pack and propulsion system) and therefore should be provided and installed by your electrician. The distribution box is located behind Swim Spa panel marked 'A' in the below diagram. A wiring pack is available for your electrician which includes detail on how to remove panels.

## CONDUIT ENTRY SPACE (SAFE ZONE)

If the foundation allows, your power cable can be fed up through the underside of the Swim Spa base to conceal it. The below diagram indicates a safe zone area 15cm wide where no components or piping will interfere with the conduit. Placing a conduit stub within this area in your foundation will then allow the Swim Spa to be laid over the top of it at time of delivery. Please note this space is not pre-cut, it needs to be cut at time of delivery. Be sure to leave at least 2 meters of cable to reach the system controller located behind panel A.



# MP Momentum D

## DIMENSIONS

A	Swim Spa Length	587cm
B	Swim Spa Width	239cm
C	Swim Spa Height	153cm

## SPECIFICATIONS

7780 LITRES (6760L SWIM ZONE + 1020L SPA ZONE)

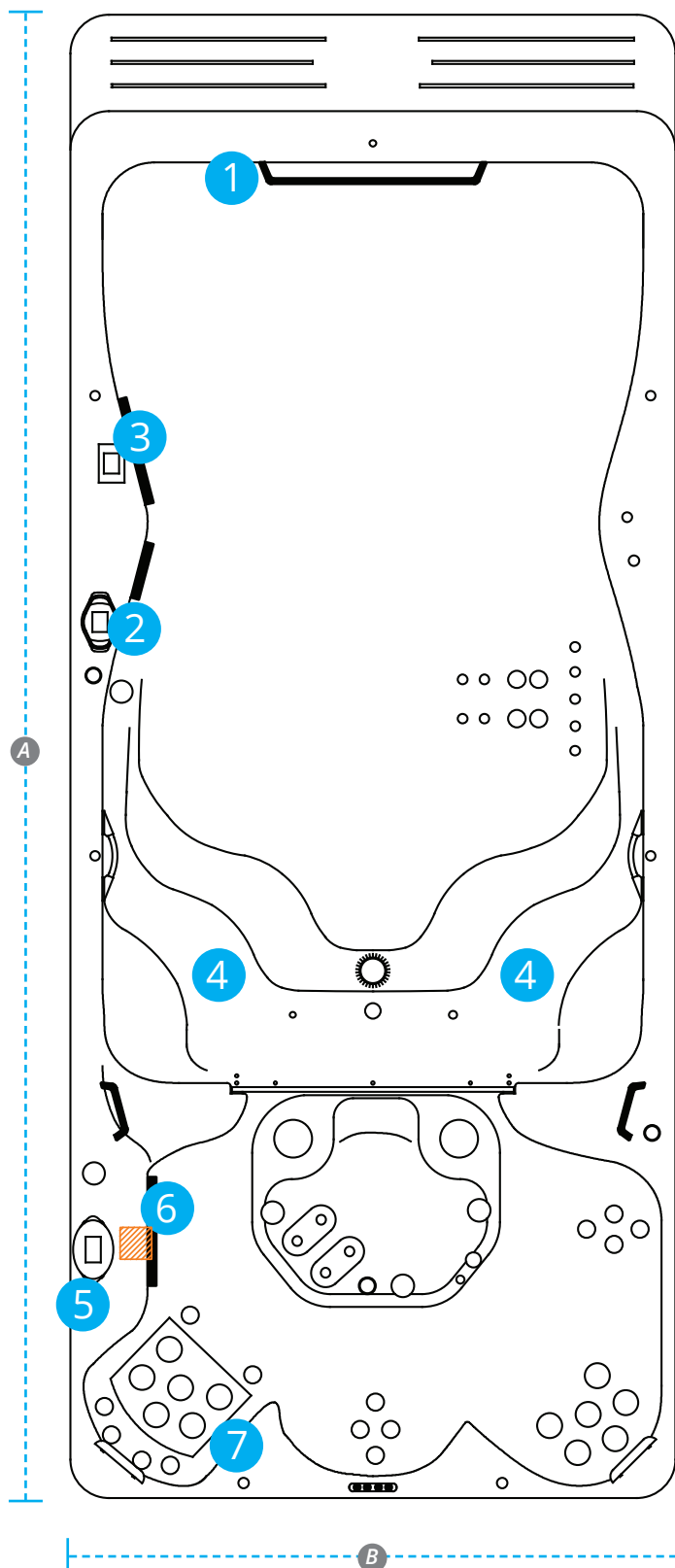
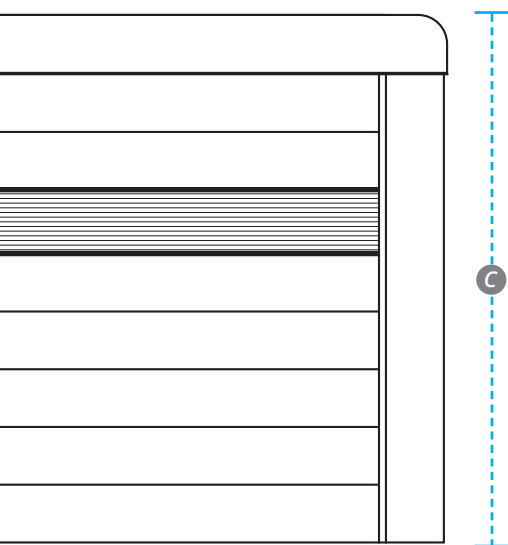
1488KG DRY / 9850KG FULL

## POINTS OF INTEREST

- ① Swim Jet Propulsion System
- ② Swim Zone Topside Control Panel
- ③ Secondary Swim Zone Topside Control Panel
- ④ Swim Zone Steps Entry
- ⑤ Spa Zone Topside Control Panel
- ⑥ Conduit Safe Entry Point<sup>†</sup> (Under Base)
- ⑦ Distribution Box (Inside Cabinet)

\*Location markings are approximate indications of general area where component/part will be located.

<sup>†</sup>Conduit safe entry point is not pre-cut.



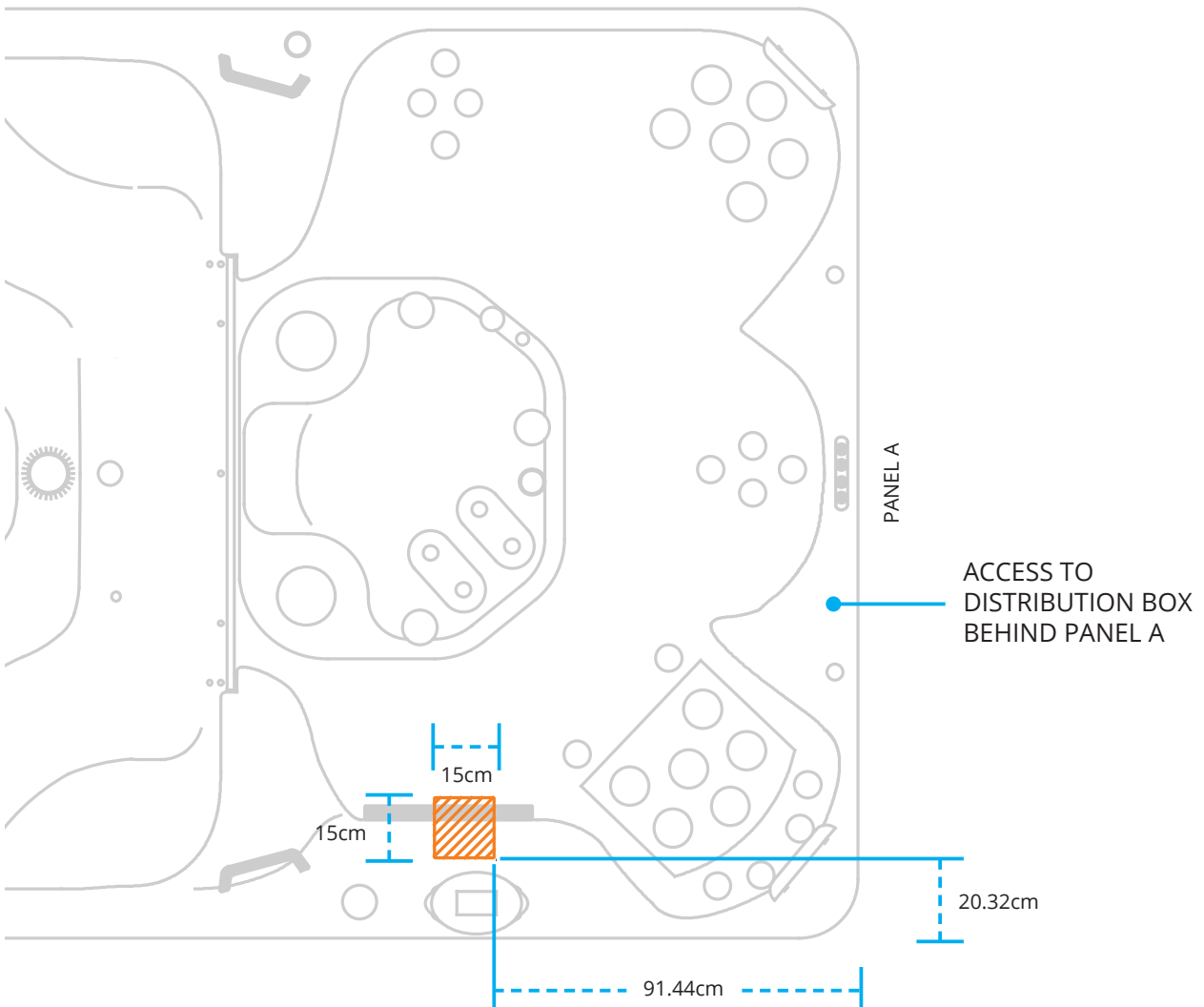
## ELECTRICAL REQUIREMENTS

230V - 32A Wave XP Propulsion System, 230V - 32A Spa Zone Pack,  
230V - 15A Swim Zone Pack

The MP Momentum D requires three individual electrical supplies for operation (32A + 32A + 15A). All feeds should be hardwired from your mains individually into the provided distribution box found within the Swim Spa. No cable or electrical equipment (RCD etc.) is included with the Swim Spa (other than the internal distribution box which is pre-wired to the spa/swim packs and propulsion system) and therefore should be provided and installed by your electrician. The distribution box is located behind Swim Spa panel marked 'A' in the below diagram. A wiring pack is available for your electrician which includes detail on how to remove panels.

### CONDUIT ENTRY SPACE (SAFE ZONE)

If the foundation allows, your power cable can be fed up through the underside of the Swim Spa base to conceal it. The below diagram indicates a safe zone area 15cm wide where no components or piping will interfere with the conduit. Placing a conduit stub within this area in your foundation will then allow the Swim Spa to be laid over the top of it at time of delivery. Please note this space is not pre-cut, it needs to be cut at time of delivery. Be sure to leave at least 2 meters of cabling per feed to reach the distribution box located behind panel A.



# Swim Spa Covers

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## Traditional Covers (Select Models)

Some models may come with traditional folding vinyl covers, designed to offer excellent insulation for your Swim Spa. Folding covers are simply removed manually by lifting from the swim spa and placing aside when in use.

## Axis Rolling Cover (Select Models)

The Axis Rolling Cover System by Master Spas makes it simple to use your swim spa, thanks to a rolling design. Compared to traditional bi-folding polystyrene covers, a rolling cover means anyone can open up the Swim Spa with little lifting required. Simply get in, roll it up towards one side of the Swim Spa and then enjoy the water.

The Axis Rolling Cover provides the same cover clip locking system and safety requirements of traditional swim spa covers.

Check with your sales consultant to see which covers are included with your order.



# Notes

A series of horizontal dotted lines for writing notes.



# Sketch



# Order Checklist

Alpine Spas understands a project of this nature needs to run smoothly. Please run through this checklist before your order arrives to avoid any surprises down the road.

## Order Details

Make sure the details on your 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 our dispatch team is correct. We 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 clear descriptions/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 Before Delivery)

- Have you confirmed the '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 any accessories 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.
- 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.
- Any purchased steps or accessories will require simple assembly.

## 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.

MILKPLA



[www.alpinespas.co.nz](http://www.alpinespas.co.nz)

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