

installation Guide

Your installation situation will always be unique to your needs and situation, so although the guidance below is based on years of experience, some aspects must be tailored to your specific needs. Please speak to us to receive our thoughts on your specific situation and ensure that your builder can follow these recommendations.

Installing a Hot Tub is very straight forward, but we recommend good planning. This will ensure your installation will proceed with the minimum of fuss. There are very few things that take such little time to plan and install yet will bring so many years of healthy fun and enjoyment.

These are some of the key areas you will need to consider before installation:

1. **Location – Is your Hot Tub going outdoors or indoors? What should you be aware of? Do you intend to install above ground, part or full in ground or indoors and will it fit into the chosen area? With Indoor installation - there will be the need to consider heating and dehumidification.**
2. **Delivery /Access - Can you get the delivery vehicle to the site? Will you need a crane? Can a crane get access?**
3. **Ground preparation – what size and type of base is required? Drainage?How much space should I leave around my Hot Tub?**
4. **Electrical options**
5. **Service and Maintenance**
6. **General**

1. Location

Give careful thought to the eventual position of your preferred model and take into consideration the location to the house (and any neighbours). Remember- privacy, noise, trees, wind direction, safety, (overhead cables), access to the Hot Tub, site drainage, fill and empty procedures, removal of covers, access to the equipment for service and maintenance and what the finished project will look like.

If the Hot Tub is to be installed in an enclosure, either stand alone or attached to your home, you must consider the effects of humidity on the structure of the building. If this is not designed correctly the room environment will be uncomfortable to occupants and could very quickly cause expensive damage to the building fabric. We have many years' experience with all aspects of indoor Hot Tub installations and will be pleased to give you professional advice and recommendations.

If your pool is located inside a building then there must be enough clearance above and to the sides to enable the cover to be used without fouling the building structure.

If located outside then there must be enough clearance to enable the covers to be used without fouling nearby buildings, trees, fences, hedges, wires etc.

Please be aware that Upright and Lift`N`Glide Cover lifters will block your view from the Hot Tub when open. A Cover Cradle will block less view but the opened cover will still project above the height of the spa.

This must be considered when deciding where and in which orientation to place your Hot Tub.

Cover Cradle® :

If you are having a Cover Cradle® fitted to your spa please allow a 26" gap for this to operate. On the Beam the Cover Cradle® operates from front to back

Lift n Glide®

If you are having a Lift n Glide® fitted to your spa please allow a 18" gap for this to operate. On the Beam the Lift n Glide® operates both from front to back.

Upright

If you are having a Cover Upright fitted to your spa please allow a 7" gap for this to operate. On the Beam the Upright operates from front to back

2. Delivery/Access

A Standard Delivery is made using up to a 7.5 Ton HIAB and a two man team. Anything required outside of this such as Cranes, extra men, mini-cranes, A Frames, Genie Lifts etc will have to be arranged and paid for by the customer.

An important factor to consider is the route that the delivery vehicle will use to get to your home and how we will offload the spa.

1. Is there room to unload the spa onto a trolley or sled and manoeuvre it to the base for lowering?
Access should be clear for the installation technicians to push your spa on a wheeled dolly (trolley) or on a sled from the delivery vehicle to the site for the spa. Could we ask you to fill in a Plan of Access form that your salesperson will give you?
Please measure any alleyways or tight spots, bearing in mind obstructions such as steps, low roof overhangs, drainpipes, windowsills, tight turns or anything that could obstruct the delivery route. Your Beam Spa, when in the trolley, will need a minimum access width of 99cm and a minimum access height of 226 cm. Spas are very heavy and even an 8" step requires thought.
As Hot Tubs can be very heavy it may be unsafe for our team of two technicians to lower the spa to the ground unaided. We have two choices of delivery method. Method 1: We will for 5 minutes during your delivery need 2 healthy, strong people to help lower the spa on to its base. Method 2: We have a pneumatic lowering device to lower the spa from vertical to the ground. Please discuss with our installation and Service Provider, Hot Tub Assist, to agree on which delivery method would be most suitable for your delivery.
If a Trolley/Sled delivery is not possible we have alternative methods
2. Can we get a 7.5 ton HIAB adjacent to the prepared base leaving sufficient room to extend the support legs?
The HIAB we use can lift out to around 8 Metres depending on the weight of the Hot Tub.
3. If a 7.5 ton HIAB is not suitable then could a larger HIAB be used? These can reach out to around 16 Metres
4. If the HIAB lift system is not suitable or the location has restricted access, then a crane lift will be required. The distance and reach of a crane are totally dependent on the weight of the Hot Tub (The Beam weighs 320Kg). When you arrange your lift it is important to get professional advice. This should be in writing and always check the insurance terms, just in case there is a problem!

Our Salespeople will happily discuss your delivery method including doing a site survey for you. If they cannot find a route for you they will ask our delivery partners, Hot Tub Assist, to undertake a site survey for their opinion.

3. Ground preparation.

Ground level

The Hot Tub will require a suitable base. It might be possible to place the unit onto an existing patio or concrete base, providing it is flat and level. It is important to be sure it will hold the weight of the Beam full of water and people (1750g) Where a new base is required the ground should be prepared with a compacted hardcore sub base. We then recommend a minimum of 150mm concrete slab and depending on the ground condition we further recommend a layer of steel mesh is incorporated in the concrete. The Slab and Sub Base must be capable of supporting 1000Kg per Square Metre. Always ensure that there is a minimum of 50mm of concrete covering above, below and to the ends of the steel reinforcement. The new slab must be flat and level and have good perimeter drainage. The base must always be larger than the Hot Tub (Base Size should be minimum 213cm x 213cm but you may like it to be larger to accommodate steps.)

If you have a Covana Lifter your base will need to be larger to accommodate it. Details are on a separate sheet

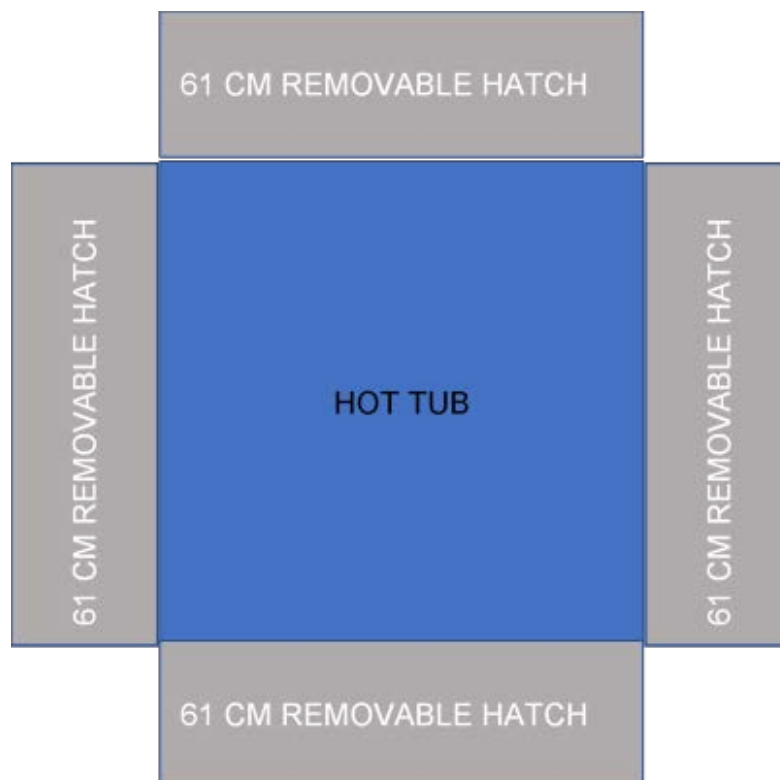
Below Ground or in Decking

If you intend to sink your spa or put it in decking then please read the following carefully.

Our hot tubs have full depth cabinets and all models can be installed either partially or fully to the edge of the shell. If you intend to install either fully or partially below ground or in decking the base must be concrete as detailed above with side walls to the desired height. If the side walls are to support any ground/earth then it is essential that the correct construction technique is used. This might require the walls and floor to be structurally designed. **NEVER BACKFILL AGAINST THE CABINET.**

The pit dimensions should be a minimum of 325cm x 325cm This allows for drainage and future servicing and maintenance of the equipment.

There will need to be inspection hatches to allow a MINIMUM of 61cm on each side of the spa to allow maintenance on any side of the spa. If this minimum access has not been provided and maintenance and /or warranty work requires the spa to be moved then the added costs will be at the customer's expense.



IMPORTANT INFORMATION FOR WHEN THE HOT TUB PIT WILL NOT SELF DRAIN

The new pit must be fully self-draining. If a free-flowing drain is not possible the pit will need to be fitted with, at least, an automatic sump pump, wired to its own power supply, not the same supply as the Hot Tub, which is capable of dealing with any water falling into the pit and also the run off from surrounding areas in heavy rain. We recommend that this pump is duplicated in case of failure and a "Test Switch" is fitted to each system for use to check that the system is functional on a regular basis. It is the responsibility of your builder and/or Architect to ensure that the drainage is sufficient to deal with any possible water ingress. Damage caused to the spa by flooding of the pit is NOT covered under warranty

4. Electrical Supply

Electrical Supply 16 Amp

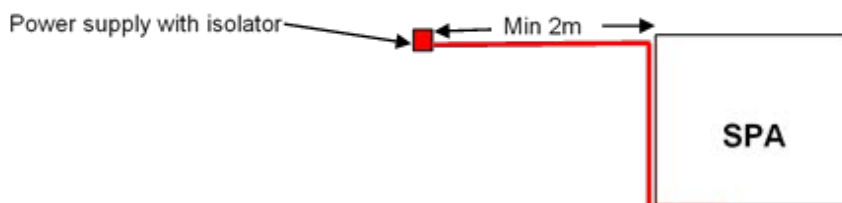
To comply with BS7671, an electrician registered with one of the following must carry out all electrical work: BRE Certification Ltd (ECA & IEE) ; British Standards Institution; ELECSA Ltd; NICEIC Certification Services Ltd or Zurich Certification Limited. Your electrician should give you a certificate once the work has been completed and this should be available for our technicians to see.

If the Hot Tub is to be installed within a building or enclosure the relevant part of the Building Regulations covering electrical safety will apply. This should be installed by an electrician who must provide a certificate of conformity before the Hot Tub is installed. Our technicians will need to see this certificate before energising the Hot Tub and your electrician may wish to be present on site at this time.

You will need to provide one 16 amp dedicated supply, by the way of a Type C breaker at the consumer unit connecting to (using the relevant gauge armored cable) an isolating switch, which can be locked off to carry out work. These supplies need to be RCD protected and can either be mounted on an adjacent wall or to a post no closer than 2 meters from the Hot Tub

The electrician will also need to supply and fit a suitably sized, 3 core, cable (6 sq mm max) in Armoured (SWA) or Flexible Armoured (SY), which will reach safely from the isolator or switch to the nearest Rear Corner of where you plan your spa to be and have enough length to reach the electrical entry point of your pool, with a minimum of 2 metre extra length to allow it to be passed into the Hot Tub and wired to the control box as shown by the RED line in the diagram below.

The diagram below is an example only. The actual entry point for your Hot Tub is shown, Marked as "Electrical Connection" on the Architectural Drawing on the last page of these instructions



If you intend to bury your cable please ensure it is buried at least 450mm deep, encased in high impact duct of preferably 32mm or 25mm diameter. Bring the supply up near the cable entry point as shown on the Architectural Drawing on the last page of these instructions. It is important that the duct does NOT come up in a position that will end up underneath the spa as this will cause serious difficulties on the day of installation

To comply with BS7671 Minor Works Certificate regulations the electrician should also fit an earth Rod to TT Procedure standards

PME is acceptable all the way to the tub but, as advised by NICEIC, 'best practice' is to use PME to the isolator and local area TT only from the isolator to the tub.

The RCD should be a C type 30 mA

ALL FITMENTS AND ISOLATORS MUST CONFORM TO AN ABSOLUTE MINIMUM OF IP55 RATING

5. Service and maintenance of your Hot Tub

The equipment and control systems of your Hot Tub will require periodic service and maintenance and therefore must be accessible. All of our products are quality controlled and undertake rigorous factory testing.

If the unit is being installed into a location where full access to all sides is restricted, we recommend that to check no damage has occurred during transportation, lifting or maneuvering.

If in the event any future warranty/service work is required it is the responsibility of the client to ensure access is available to all components and plumbing. We only use LED lights, this is due to their long life expectancy and low cost of running. However if one should fail service/replacements can only be fitted where access between the Hot Tub and surrounding structures permits. Any warranty work can only be completed if full access is available

6. General

Planning permissions and building regulations are not generally required unless the Hot Tub is going into a building. In conservation areas or if going in front of the building line it will be worth checking with your local authority if planning is required.

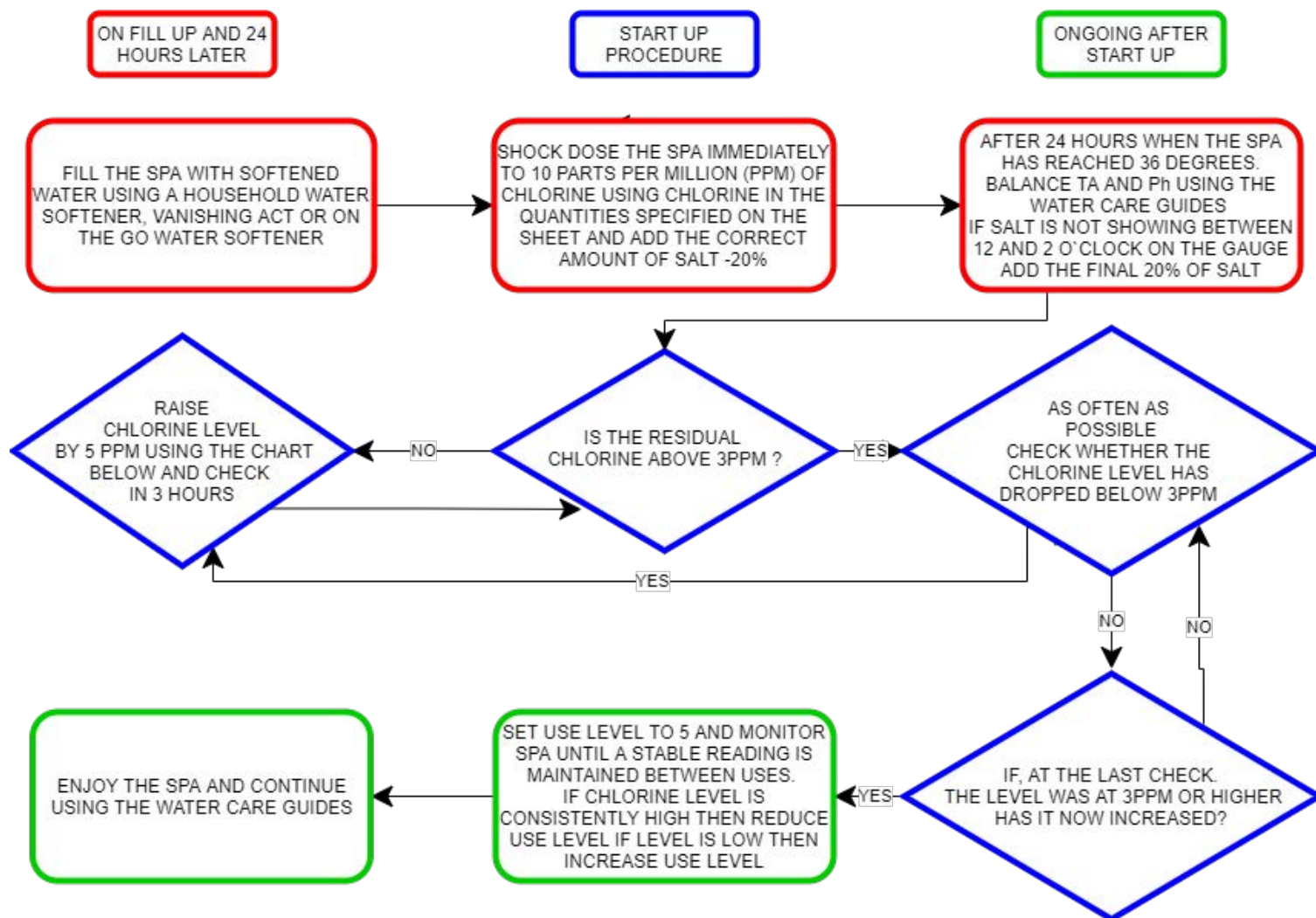
7. Payment of Balance. Payment of Balance

Payment of balance is due prior to the day of delivery, payment can be made by :

- bank transfer (4 working days before delivery) – please call 01245 490056 or your Salesperson for details
- Debit card - please call 01245 490056 or your salesperson to pay by debit card (M-F 9.00am to 5pm)
- Online Payment - please call your salesperson who can walk you through the process
- If payment is to be made by Finance then an approved signed finance agreement must be in force 7 working days prior to delivery.
- **If payment is not made or Finance is not approved before delivery then the delivery will have to be cancelled.**
- **Cancellation less than 7 working days before the planned delivery date will incur a charge of £385**
- We are unable to confirm your delivery date until you confirm that you have your Base and Electrical Supply in place and have agreed the delivery method with our Delivery Partners, Hot Tub Assist (HTA)
Unfortunately we are no longer able to accept cash or cheques.

If payment is not been made on or before the day of delivery we reserve the right to remove the goods until payment is received. All goods remain the property of Watkins Distribution UK Limited until full payment is received.

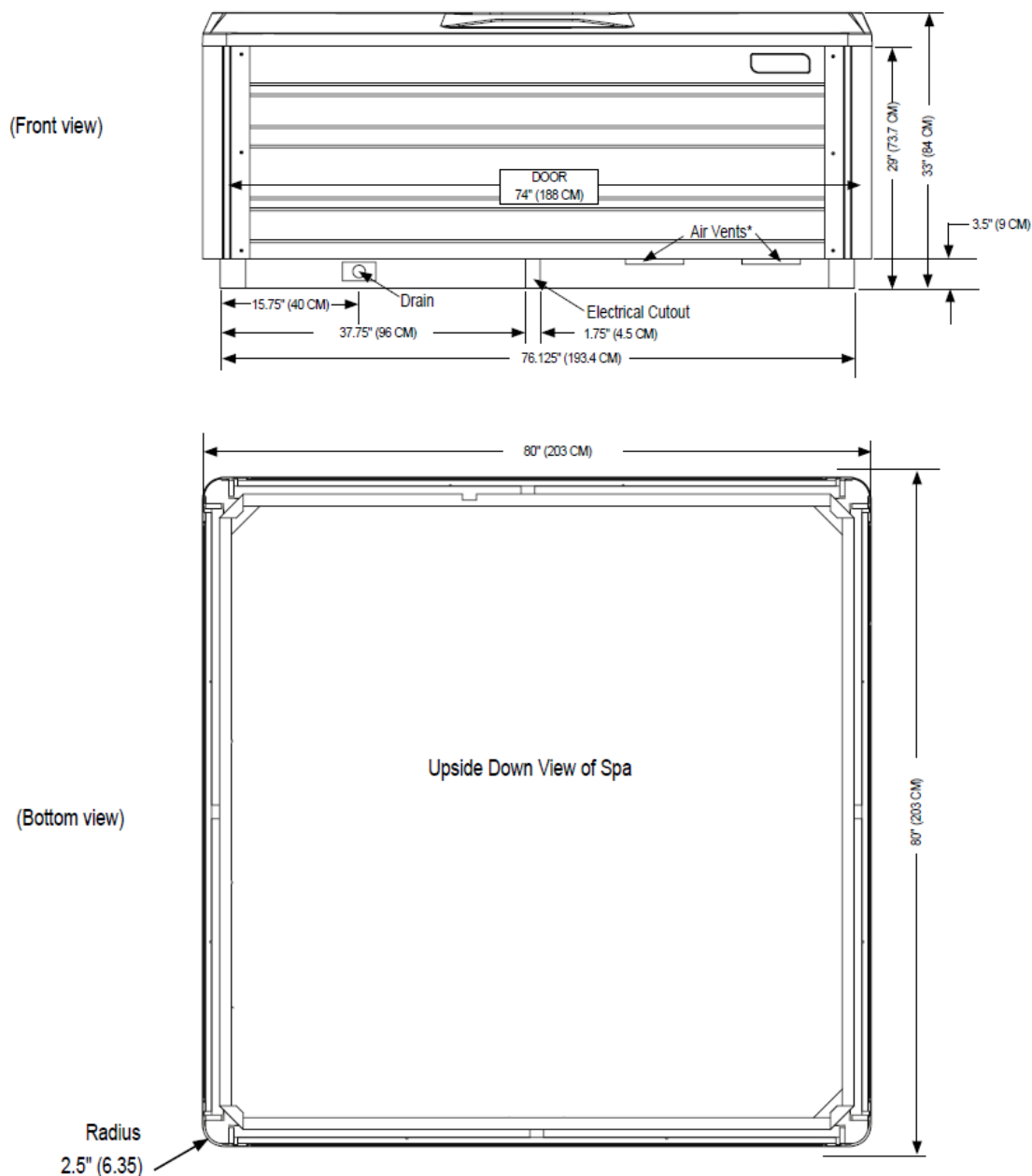
To contact our Installation and Service Provider, HTA, please telephone: 0800 849 2468



BEAM (MODEL BMIIE)

Dimensions

NOTE: All dimensions are approximate; measure your spa before making critical design or pathway decisions.



NOTE: WATKINS WELLNESS recommends that the BEAM be installed on a minimum 10 cm thick reinforced concrete pad or structurally sound deck able to support the "dead weight" found in the spa specification chart.

WARNING: The BEAM must not be shimmed in any manner.

*Do not block Air Vents