



HOT TUB INSTALLATION GUIDE



Hot Tub Installation Guide V.5

We hope this guide will help prepare you for the installation of your hot tub.

Where to site the hot tub

Choose an area that will be suitable for you, remembering that you may need to be near a changing area, some privacy may be required, falling leaves may be a concern and that the light/sunny areas are more suitable. Sheltered areas in the summer may become open during the winter. An area in front of your hot tub should be clear so that grass and debris are not transferred to the water. You know your garden.

Access

You must ensure you have adequate access for the size of the hot tub you have chosen. Please note the dimensions listed in the back of this guide are the total outer dimensions of the hot tub + or – 5%. You must also allow 5mm for packaging.

Check the widths & heights of doorways, passages and gates to make sure the hot tub (and cart) can pass through. Gates, fences and doors may need to be removed (prior to delivery).

Make sure that there is nothing protruding such as drainage pipes or sills that could obstruct the way.

Check to see if there are any low roofs or branches that would hinder vertical clearance. If there are any corners on the path to your designated installation site, check to see the hot tub will pass.

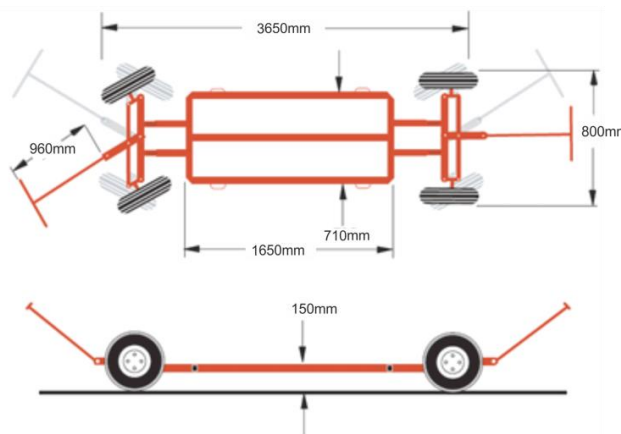
The route to where the hot tub is to be sited should be flat and level and not soft ground. Check and inform us if there are any slopes, retaining walls, steps or level differences that may cause problems. Any extra resources required would be charged extra.

If access is via a neighbour's property, you must seek permission. Our installers will not proceed without your written assurance that permission has been gained by you.

Hot Tub Cart

Most hot tubs (over 2m) are delivered on their sides on a specially made hot tub cart, (see figure 1 below). You must therefore make sure the access is big enough for the hot tub and the cart. Please bear in mind the height of the hot tub on its side will increase slightly when on the cart by approximately 6 – 8 inches (150 – 200mm).

Figure 1 - The Hot Tub Cart



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PLEASE NOTE – THE HOT TUB CANNOT BE REMOVED FROM THE CART BEFORE IT IS LOWERED & PLACED ON YOUR BASE

Hot Tub Sled

Smaller hot tubs (2m x 2m and under) may be delivered on a sled (see figure 2 below). This enables the hot tub to be moved on sheets (to protect grass, etc) over level ground.

Figure 2 - The Hot Tub Sled



Crane

Under special circumstances, where there is no clear or easy route, a crane may be used to position your hot tub. Please contact us to discuss this if you think it may be necessary. Please note that the cost of the crane would be charged extra.

Figure 3 – Small crane



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The Base

Wherever you decide to install your hot tub, it is essential that a solid foundation is provided. Grass is not suitable. Please note it is the responsibility of the customer to provide a suitable base that is flat, level and hard to prevent distortion from occurring. Any structural damage caused by improper base or base failure may damage the hot tub and invalidate manufacturer's warranty.

An ideal base would be concrete 4 – 6 inches (100 - 150mm) thick (see figure 4 below). However, existing patio slabs and block paving may be utilized but must be flat, level and on a satisfactory sub base. Wooden decking is also a popular base. However, all bases must be able to take the weight of the hot tub plus the water and occupants. No form levelling by means of "packers" is acceptable.



Figure 4 – Hot Tub Base

Bases must be prepared in plenty of time prior to delivery, thus allowing time for concrete to fully cure.



A standard 240V 3 pin electrical socket is required within 10 metres of the base for lowering the hot tub using an air jack (see figure 5 below).



Figure 5 - Air Jack

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Service Access

Access is required around the hot tub for any future maintenance, ideally 500mm (20inches). If this is not practical, then the area should be of sufficient size so that the hot tub can be moved (chargeable) when empty of water for access. The front (below keypad) will need to be accessed for routine maintenance.

Electrical Supply - Please refer to your order form for the exact electrical requirements for your hot tub.

Electrical Supply For Hot Tubs Over 13 Amps: -

A suitably qualified electrician (e.g. NICEIC registered) must carry out all electrical work to the latest regulations. The electrical supply will be permanently connected to a single-phase 240V supply from the earth leakage protected consumer unit directly to a Ceeform (commando) plug and socket with isolator/switch. A suitable 3-core cable, clearly labelled (live-brown, neutral-blue & earth-yellow&green) MUST BE LEFT WITH THE PLUG ATTACHED (see Figure 6 below). The cable must be left at the side of the hot tub not underneath. The cable length must be at least 4 metres long **at the hot tub side**. **The connection must be made at the socket, as the installers will only connect at the hot tub.**



Figure 6 – 32amp Ceeform plug & socket

Electrical Supply For 13 Amp Hot Tubs (Plug N Play): -

Plug 'n' play hot tubs will be supplied with a 3m cable complete with a 3-pin plug and an inline RCD (see figure 7). You must ensure there is an outdoor waterproof single 3-pin socket (see figure 8) approximately 2m away from the hot tub to provide power to the hot tub. The electrical supply must be safe and up to current standards. Please note, if the socket is positioned too far away from the hot tub, the cable may not reach.



Figure 7 – Inline RCD (Plug N Play only)



Figure 8 – Waterproof single-switched socket

All electrical works should be carried out by a competent person.

A Certificate of Approval to Part P of the Building Regulations will need to be produced. Failure to produce or meet our terms may invalidate the manufacturer's warranty and/or result in your hot tub not being connected to the electricians and we will therefore be unable to commission the hot tub.

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Water & Electrical Supply

A mains water supply with reasonable water pressure, connected to a garden hose must be provided by the customer to fill the hot tub. This should be flushed through to expel stale water. The hose can also be used to empty the hot tub when changing the water.

Chemicals

A degree in chemistry is not required! A chemical starter pack can be purchased with your hot tub. The installers will explain the treatment required. They will also show you how to conduct the test with remedial actions. A hot tub water treatment manual will also be supplied with the hot tub.

Hot Tub Controls

The hot tubs all have digital controls and you will be shown how the main controls work by the installers. However, an operation manual is available for your hot tub for you to be able to set the controls for your own requirements.

Heat Pump (optional)

If ordered, the heat pump will be installed OUTSIDE (away from foliage) between 1.5m – 2.0m from the hot tub. A suitable, level & hard base (slabs or concrete) will be required to place the heat pump on. Figure 9 below illustrates minimum obstruction distances. The heat pump will not work in a confined space. The base (see figure 10) should be of adequate size to allow the heat pump to be positioned so as not to be obstructed.

If the hot tub is being installed inside a building, 2 holes of 54mm diameter (for single skin walls) will need to be drilled BEFORE delivery, to allow the pipes to be connected.

Technical specifications: -

Dimensions: 990mm x 380mm x 560mm

Weight: 45kg

Power Supply: 5amp

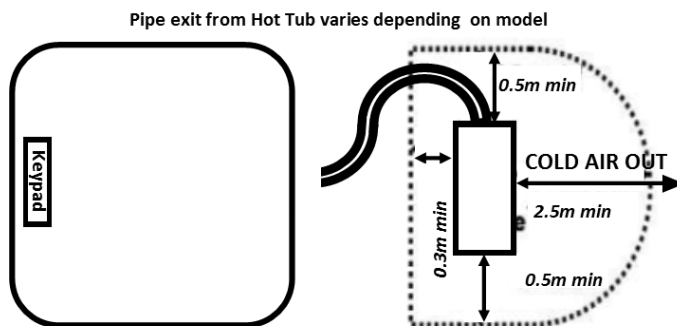


Figure 9 - Heat Pump Location



Figure 10 – Heat Pump Base

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Hot Tub Specifications

HOT TUB	Dimensions		Dry Weight	Water capacity		Capacity Weight	Current
	(mm)	(inches)	Kgs	Ltrs	Gallons	Kgs	Amps
Naples	2140 x 1550	84" x 61"	270	840	187	1100	13/32
	X 810	32"					
Nice	2000	79"	405	1045	232	1450	13/32
	x 900	x 36"					
Genoa	2180 x 1750	86" x 69"	300	800	178	1100	13/32
	x 850	x 33½"					
Monaco	2000 x 2000	79" x 79"	400	1040	231	1440	13/32
	x 800	32"					
Gibraltar	2005 x 2005	79" x 79"	450	1100	245	1550	13/32
	X 900	36"					
Amalfi	2030 x 2030	80" x 80"	450	1100	245	1550	32
	X 900	36"					
Capri	2250 x 2250	88" x 88"	425	1405	312	1830	32
	x 900	36"					
Palma	2300x2300	90" x 90"	420	1400	311	1820	32
	x 920	x 36"					
Barcelona	2300 x 2300	90" x 90"	420	1390	309	1810	32
	x 900	36"					
Valencia	2300 x 2300	90" x 90"	425	1500	333	1925	32
	x 900	36"					
Monterosso	2300 x 2400	91" x 95"	475	1605	357	2080	32
	x 900	36"					

Please allow + or – 5% to stated dimensions.

IMPORTANT NOTE:

Please be advised that return visits due to non-preparation of base, poor access, unsuitable ground or obstacles, unsuitable electrical/water supply, etc are chargeable at the Company's hourly rate.

Manpower

We supply two people to install the hot tub on the hot tub cart.
They will NOT remove the hot tub from the cart until the hot tub is at the Base.

If access is difficult, extra assistance by able bodied people will be required, which you will have to organize prior to the delivery.

If you are in any doubts with your access, please contact us.