



WELCOME TO WARM WATER!

SX



2025

230 Volt Converted
Hot Spot Collection



We appreciate your business and look forward to providing you
with years of relaxation and enjoyment!

Please use this document to ensure as seamless a delivery as possible of
your new hot tub.

-Allen Pools and Spas Team

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Drain ●
Electrical Access ⚡

Shell: Alpine
Cabinet: Havana



LEGENDARY MASSAGE

18 Personalized-Control Jets

- 1 Moto-Massage® jet
- 1 XL Rotary Hydromassage jet
- 16 Directional Precision® jets

EASY WATER CARE

Water Care System FreshWater® Salt System Ready

Filtration System 30 sq. foot, top loading (PWK30, x1)

LEADING ENERGY EFFICIENCY

Jet Pump Wavemaster® 6200
Two-speed, 1.5 HP Continuous Duty,
3.2 HP Breakdown Torque

Circulation Pump SilentFlo® 5000 Quiet Continuous Filtration

Heater No-Fault® 4,000 W / 230 V

Insulation FiberCor® Insulation; Certified to California
Energy Commission (CEC) and APSP 14
energy efficiency standards for portable spas

Cover WeatherPro™ 4" Tapered Custom-Fit with
Hinge Seal

CAPACITY

Seating 2-3 people

Water 230 gallons

Weight 645 lbs dry; 3,090 lbs filled**

SIZE

Dimensions 6' x 6'5" x 33"

ADDITIONAL FEATURES

Cover Lifter CoverCradle®, CoverCradle 2, Lift 'N Glide®

Steps Polymer (Espresso, Ash, and Black)

Control System IQ 2020® with LCD Control Panel
230 V / 50 amp, 60 Hz

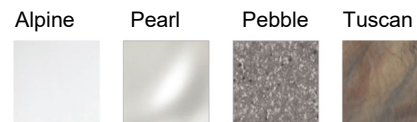
Lighting System Interior: 6 multi-color LED, dimmable
Exterior: N/A

Entertainment N/A

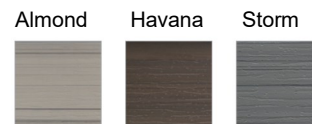
SmartJet Feature N/A

Water Feature N/A

Shell Colors



Cabinet Colors



Cover Colors





SITE SELECTION AND PREPARATION– INDOORS

IMPORTANT: Site selection and preparation are your responsibility! Carefully read these instructions and consult Allen Pools and Spas if you have any questions.

Wherever you have chosen to place your spa, make sure you check off each of the following:

- ⇒ **Always put your spa on a structurally sound, level surface WITHOUT pitching or shimming.** A filled spa can weigh a great deal. Verify that the location you choose can support the weight of your filled spa.
- ⇒ Locate your spa away from any reflective surface or glass. The heat generated by some types of double-pane windows and reflective surfaces can cause serious damage to the exterior of the spa, including the siding and cover.
- ⇒ Locate your equipment compartment, which houses all the electronic components, so that any water drainage from splash over and/or drain/refills will flow away from it. Allowing water into the equipment compartment can damage the electronics or may result in tripping your house's circuit breaker.
- ⇒ Leave yourself easy access to the circuit breakers in the subpanel.
- ⇒ Never let water get into the subpanel.
- ⇒ Leave access to the equipment compartment for periodic spa care and maintenance.

No matter where you install your new spa, it's important that you have a solid foundation to support it. Structural damage to the spa resulting from incorrect installation or placement on an inadequate foundation is **NOT** covered under the spa's limited warranty.

INDOOR INSTALLATION

Be aware of some special requirements if you place your spa indoors. Water will accumulate around the spa, so flooring material must provide a good grip when wet. Proper drainage is essential to prevent a build-up of water around the spa. When building a new room for the spa, it is recommended that a floor drain be installed. The humidity will naturally increase with the spa installed. Water may get into woodwork and produce dry rot, mildew, or other issues and problems. Check for airborne moisture's effects on exposed wood, paper, etc. in the room. To minimize these effects, it is best to provide plenty of ventilation to the spa area. An architect can help determine if more ventilation must be installed.

Allen Pools and Spas can assist you with finding sources for local information such as zoning regulations and building codes. Contact your salesperson with any questions.

FOOTPRINT	HEIGHT	WATER CAPACITY	DRY WEIGHT	FILLED WEIGHT*	DEAD WEIGHT*
6' X 6'5"	33"	230 gallons	645 lbs	3,090 lbs	105 lbs/ft ²

SITE SELECTION AND PREPARATION– OUTDOORS



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Wherever you have chosen to place your spa, make sure you check off each of the following:

- ⇒ **Always put your spa on a structurally sound, level surface WITHOUT pitching or shimming.** A filled spa can weigh a great deal. Verify the location you choose can support the weight of your filled spa.
- ⇒ Locate your spa away from any reflective surface or glass. The heat generated by some types of double-pane windows and reflective surfaces can cause serious damage to the exterior of the spa, including the siding and cover.
- ⇒ Locate your equipment compartment, which houses all the electronic components, so that any water drainage from splash over and/or drain/refills will flow away from it. Allowing water into the equipment compartment can damage the electronics or may result in tripping your house's circuit breaker.
- ⇒ Leave yourself easy access to the circuit breakers in the subpanel.
- ⇒ Never let water get into the subpanel; it's rain tight when installed correctly with door closed.
- ⇒ Leave access to the equipment compartment for periodic spa care and maintenance.

No matter where you install your new spa, it's important that you have a solid foundation to support it. Structural damage to the spa resulting from incorrect installation or placement on an inadequate foundation is **NOT** covered under the spa's limited warranty.

OUTDOOR AND PATIO INSTALLATION

If you install the spa outdoors, a reinforced concrete pad at least 4" thick is recommended. The reinforcing rod or mesh in the pad should be attached to a bond wire (see your Owner's Manual). All Hot Springs spas may be installed on a deck, provided the load capacity of the deck is greater than the dead weight of the spa (see Deck Installation below).

DECK INSTALLATION

To ensure your deck can support your spa, you must know the deck's maximum load capacity. Consult a qualified building contractor or structural engineer before you place the spa on an elevated deck. To find the weight of your spa, its contents, and occupants, refer to the Spa Specifications below. This weight per square foot must not exceed the structure's rated capacity, or serious structural damage could result.

FOOTPRINT	HEIGHT	WATER CAPACITY	DRY WEIGHT	FILLED WEIGHT*	DEAD WEIGHT*
6' X 6'5"	33"	230 gallons	645 lbs	3,090 lbs	105 lbs/ft ²



SURFACE PREPARATION

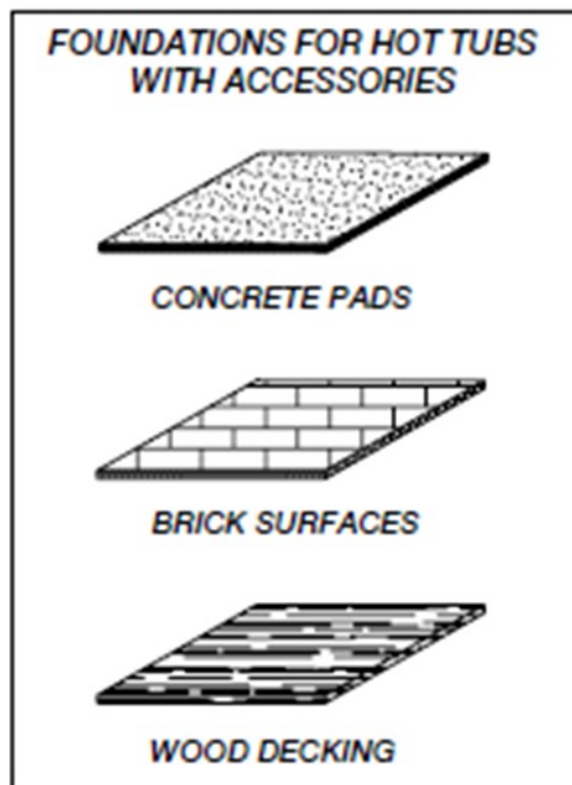
Your Hot Springs spa has been engineered to perform on several kinds of surfaces. While a concrete slab is best for long-term use, other foundations are acceptable so long as a level base is prepared prior to delivery.

NOTE: Have a reinforced concrete pad at least 4 inches (10 cm) thick or a deck that can withstand the pounds per square foot listed in the Spa Specifications at the bottom of pages 6 and 7.

INSTALLATION NOTES:

- ⇒ If brick or wood decking is selected for the spa foundation, it should be placed and leveled below the entire spa to maintain even distribution of the spa weight.
- ⇒ It is important to note that if bricks are used to distribute the weight of the spa there may still be a tendency to settle unevenly, resulting in an unlevel spa.
- ⇒ Remember, placing the spa around grass or dirt may increase the amount of debris which is inadvertently brought into the spa on the user's feet.

If you are installing a deck or a gazebo for your spa, a solid foundation becomes mandatory. Placing them on any surface other than a single level pad could create problems with their installation. Pictured at right are a few of the recommended surfaces.



As a homeowner, it is YOUR responsibility to provide a suitable, level foundation for your spa. Keep in mind that Allen's delivery crews are not equipped to level and prepare spa sites, and that your site MUST be ready BEFORE the delivery can be scheduled.

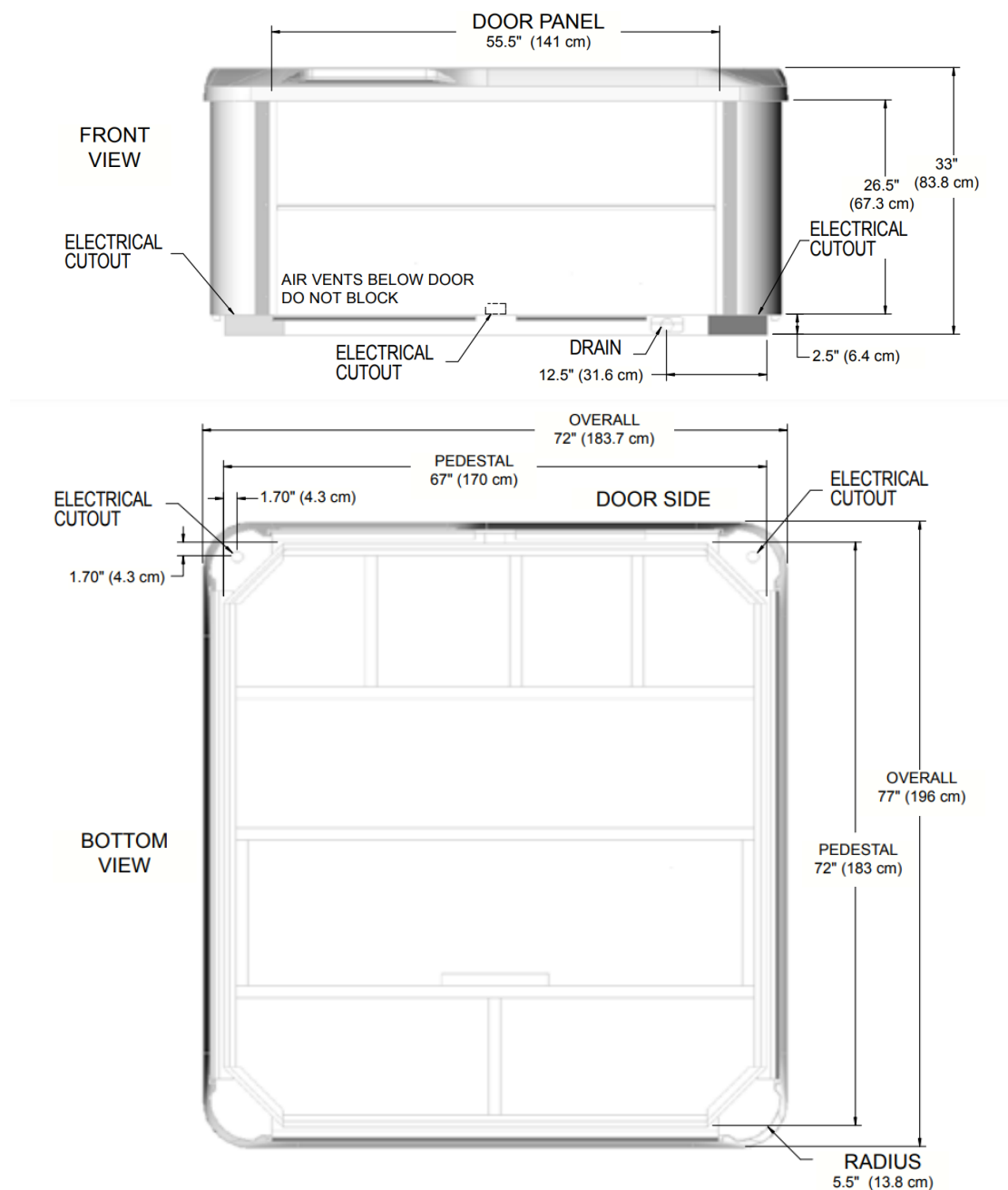
If you are interested in having a concrete slab, brick surface, or a wooden deck installed, your Allen Pools and Spas salesperson should be able to suggest a qualified, licensed contractor.

NOTE: For the spa to operate properly and the internal plumbing to drain completely, you must ensure that the spa surface is level before installation. Shimming or point leveling is NOT supported or recommended by the manufacturer.

UNDERSIDE AND FRONT VIEW DETAILS FOR ELECTRICAL AND DRAIN PLANNING



NOTE: All dimensions are approximate; measure your spa before making critical design or pathway decisions. Configurations and locations may change without notice!



NOTE: Watkins Wellness recommends that your tub be installed on a minimum 4" (10 cm) thick reinforced concrete pad or structurally sound deck that is able to support the "dead weight" found in the spa specification chart on pages 6 and 7.

***Do not block Air Vents**



WARNING: THE SPA MUST NOT BE SHIMMED IN ANY MANNER.



DELIVERY ACCESS

To ensure your tub can be maneuvered to its destination, note the dimensions of your spa listed below. These dimensions are the measurements of the spa in the vertical position, laid on its side as shown in the diagram at the bottom of the page.

Allen Pools and Spas uses a sledge and/or wheeled cart to move the tub to its destination, depending on the particular situation.

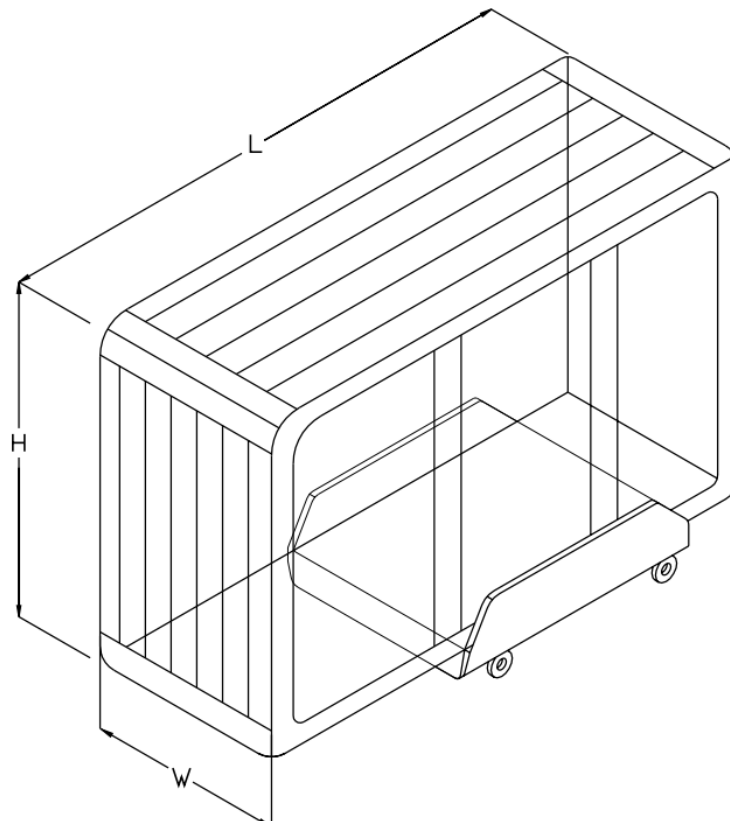
- ⇒ Add 10" to the Height, dimension 'H', to determine the vertical clearance required for the spa and the cart together.
- ⇒ Use the width, dimension 'W', to determine the minimum width of clearance necessary.
- ⇒ Use the length, dimension 'L', to determine the minimum clearance required for things such as sharp turns.

It may be necessary to remove a gate, part of a fence, or other obstructions to get the spa to its installation site. About 10% of the time, a crane is the only way to install the spa by lifting it to its destination.

NOTE: It may be necessary to allow for additional over-head clearance if the spa (with cart) will be pushed up or down an incline or moved up or down a short flight of stairs.

Use the information below to determine minimum requirements for access to your desired location.

MODEL	WIDTH (W)	LENGTH (L)	HEIGHT (H)
SX	33"	77"	72" + 10" = 82"



DELIVERY ACCESS



If the spa must be taken off the cart to go over a wall (either because the entry area is too narrow, the eaves are too low, the corner is too tight, or the stairway is too steep), a crane will be required. Don't be alarmed!

The crane has a truck-mounted boom which can fit right in your driveway. Crane operators are licensed and insured. For a charge, the crane operator will lift your spa over walls, buildings, or any other obstructions and place it as close to the installation site as possible. Allen Pools and Spas delivery personnel will supervise the crane delivery and complete spa installation.

NOTE: If your spa delivery requires the use of a crane, you may be required to pay for the services at the completion of the delivery.

How is your width clearance?

Check all gates

Protruding electric meters

Gas meters

A/C units

Do you have sufficient overhead clearance?

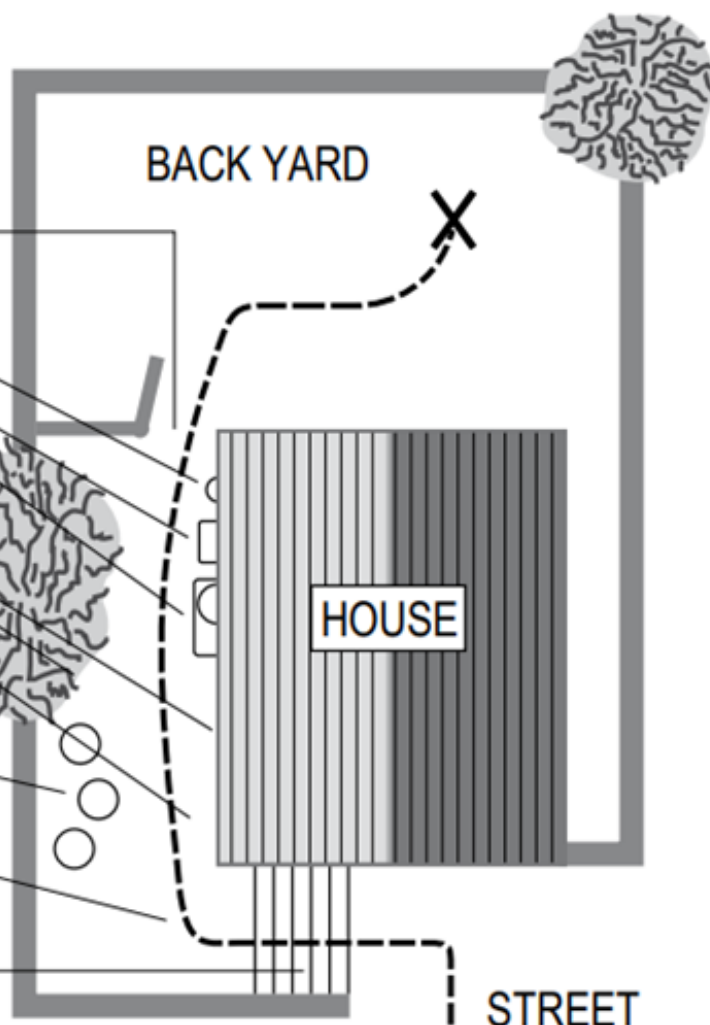
Check low roof eaves, overhanging branches, rain gutters

Is the path clear?

Move away branches, dog houses, firewood, etc.

If there is a 90° turn, can we clear it? (The spa will not bend)

No more than 6 consecutive stairs without a landing





230 VOLT OPERATION REQUIREMENTS: BEFORE TUB DELIVERY

NOTE: WATKINS WELLNESS REQUIRES THE USE OF A SUBPANEL TO SUPPLY POWER AND PROTECT THE SPA.

Your spa contains a control box designed to operate at 230 Volts, 60Hz. Installation of a 50 amp dedicated circuit is required for 230 Volt operation. The control box must be hard wired directly to a subpanel protected by a Ground Fault Circuit Interrupter (GFCI). 230 Volt models require a 50 amp, single phase, 230 Volt circuit breaker in the main electrical service panel. On the 230 Volt Converted model, the 50 amp subpanel containing the GFCI breakers is included with the spa.

IMPORTANT: All electrical connection to the control box must be accomplished by a qualified electrician in accordance with the National Electrical Code and in accordance with any and all applicable local electrical codes in effect at the time and place of installation. We recommend the use of appropriate electrical conduit, fittings, and wires for all circuits.

NOTE: Complete step-by-step Installation and Wiring Instructions for all 230 volt Hot Spring models are included in the Owner's Manual, which can be found on Allen Pools and Spas website (see the Helpful References page for the direct link).

Your electrician should mount the subpanel in the vicinity of the spa but it should not be closer than 5 feet from the spa water edge.

NEVER CONNECT THE SPA TO AN EXTENSION CORD!

IMPORTANT: Converting the spa to 230V operation will require both an Allen Pools and Spas service technician and a qualified electrician.



WARNING: REMOVING OR BYPASSING ANY GFCI BREAKER WILL RESULT IN AN UNSAFE SPA AND WILL VOID THE SPA'S WARRANTY!

230 VOLT OPERATION REQUIREMENTS: AFTER TUB DELIVERY



ELECTRICAL REQUIREMENTS

After the spa has been installed by Allen Pools and Spa's delivery crew, your electrician can connect the conduit from the subpanel to the spa's Control Box, then complete the wiring connections inside the control box.

The heater will operate at 1000 watts when the spa is configured as a 115 volt cord-and-plug connected model, but will work at 4000 watts when the spa is configured as a 230 volt connected model, thus heating your spa water faster.

In the 115 volt configuration, either the heater, or the jet pump can operate, but they can't work at the same time. At 115 volts, as long as the jet pump is activated, the heater will not turn on. On the other hand, when the spa is converted to operate in the 230 volt configuration, the heater and jet pump can operate simultaneously.

Converting from 115 volts to 230 volts changes the voltage supplied to the heater from 115 volts to 230 volts. The jet pump will continue to operate at 115 volts however.

To ensure you will have an opportunity to use your spa soon after delivery, it is very important that the required electrical service has been installed. **Unless otherwise stipulated by your dealer, THIS IS YOUR RESPONSIBILITY.**

WIRING CONNECTIONS

IMPORTANT: Fill the spa with water before turning on the power. Once your spa has been filled with water, turn it on and test all the circuit breakers.

Each circuit breaker should be tested prior to each use. Here's how:

1. Push the "TEST" button on each GFCI breaker, and observe it click OFF.
2. Wait 30 seconds, then push the breaker switch to the OFF (down) position (to ensure that it has completely disengaged), then push the breaker switch to the ON (up) position. If you don't wait 30 seconds, the spa's power indicator may continue to blink- try again.

If any of the GFCI breakers fails to operate in this manner, your spa may have an electrical malfunction, and you may be risking electrical shock. Turn off all circuits and do not use the spa until the problem has been corrected by an authorized service agent.

IMPORTANT: An Allen Pools and Spas Service Technician must reconfigure the spa using the soft jumpers to allow the spa heater to run concurrent with the jet pump.

IMPORTANT: Should you ever find the need to move or relocate your Hot Spring spa, it is essential that you understand and apply these installation requirements. Your Hot Spring spa has been carefully engineered to provide maximum safety against electric shock. Remember, connecting the spa to an improperly wired circuit will negate many of its safety features.



FOR YOUR ELECTRICIAN:

All electrical work should be done by an experienced, licensed electrician and all Hot Spring spas must be wired in accordance with all applicable local electrical codes.

We recommend the use of appropriate electrical conduit, fittings, and wire for all circuits.

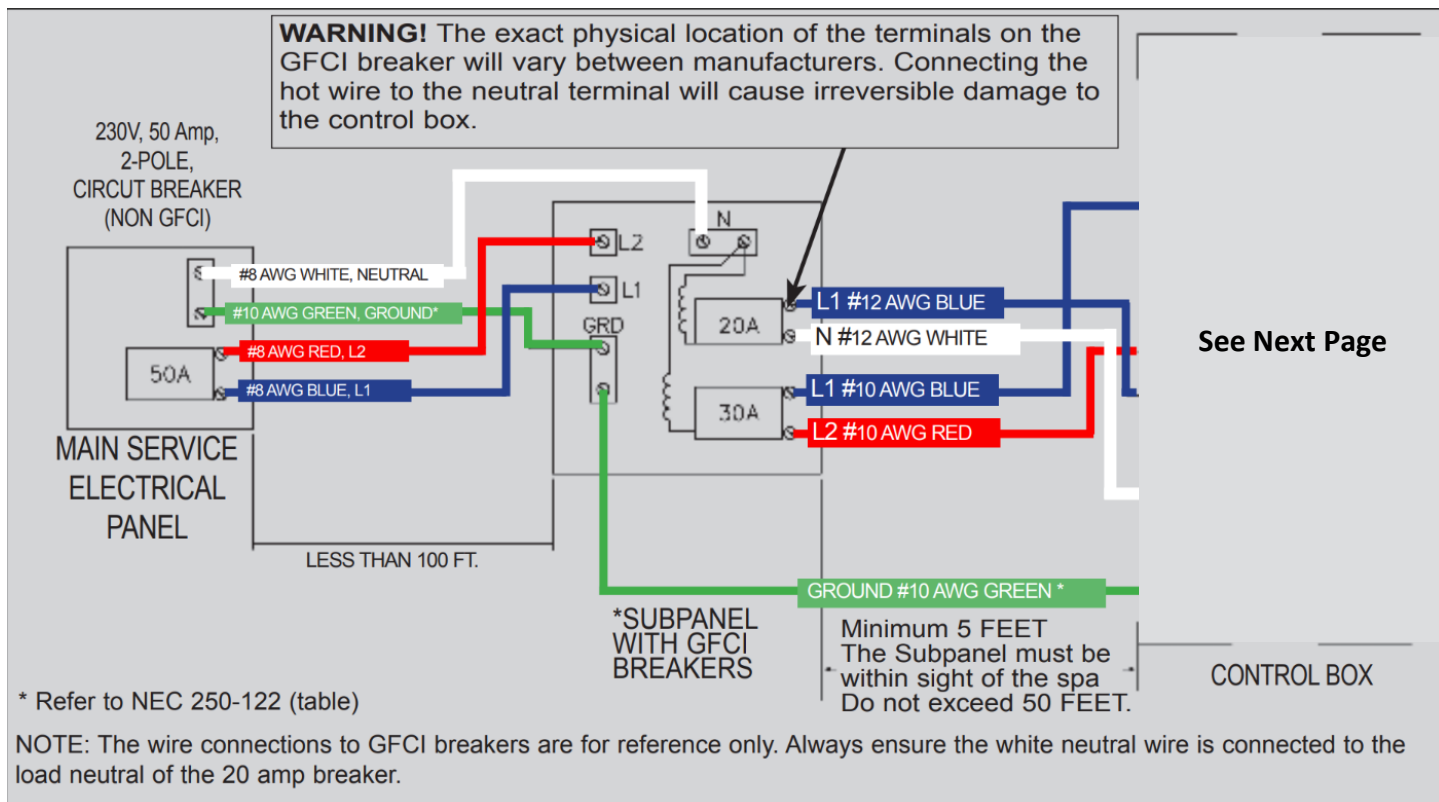
IMPORTANT: The Subpanel must be placed in sight of the spa, at a minimum distance of 5 feet away.

IMPORTANT: Do not allow pliers to contact any electronic components inside the control box!

INSTALLATION INSTRUCTIONS:

All electrical connections must be made in accordance with the wiring information contained in this manual and on the back of the field wiring access panel of the control box. A licensed electrician should install a four-wire electrical service (two line voltages, one neutral, one ground) from the main electrical service panel to the subpanel.

A licensed electrician should wire the subpanel from a 50A Main Service, then from subpanel into the spa's control box using the following illustration or use the wire diagram on the inside of the control box lid.



AVAILABLE FROM DEALER.

NOTE: ALL WIRING SHOULD BE COPPER.



WARNING: REMOVING OR BYPASSING ANY GFCI BREAKER WILL RESULT IN AN UNSAFE SPA AND WILL VOID THE SPA'S WARRANTY!

FOR YOUR ELECTRICIAN:

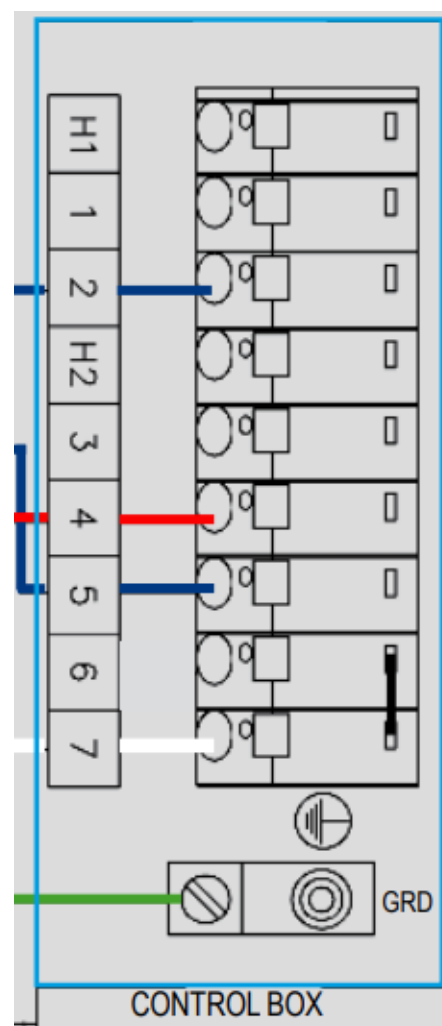
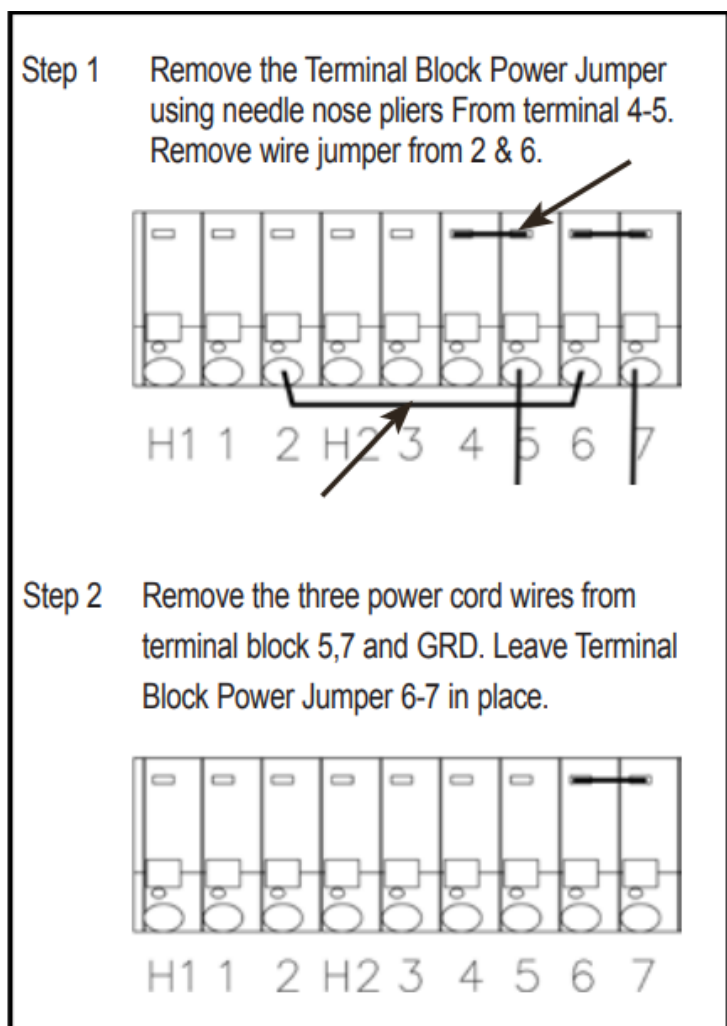


Refer to the following instructions to convert from 115V to 230V (consult Allen Pools and Spas to determine if you need to do this yourself before undertaking):

Required Part:

50A subpanel with 20A & 30A breakers (for 230 Volt Convertible) available from Allen Pools and Spas

1. Disconnect the power cord from the house receptacle.
2. Open the equipment compartment door.
3. Remove the screws on the front of the spa control box.
4. Open the control box cover.
5. Identify the terminal block located in the lower left-hand corner inside the control box.
6. Refer to illustration, Step 1. Remove the 2 pin jumper attached to terminals 4 and 5.
7. Refer to illustration, Step 1. Remove the wire jumper from terminals 2 and 6.
8. Refer to illustration, Step 2. Remove the power cord wires from 5, 7, and GRD (not illustrated).
9. Unscrew the power cord strain relief and remove the power cord from the access hole in the control box.





CONSIDERING CONVERTING FROM 110/115 V TO 230 V?

Currently the only hot tub models that can be converted from 115 Volt up to 230 Volt are: Jetsetter (HL), Beam (LL), Pace (HS), Stride (HS), SX (HS), TX (HS), and all FreeFlow hot tubs. Please review the Pros and Cons to see if converting the electrical of your hot tub is a good option for you. Contact your salesperson if you would like to convert up to 230V.

Your hot tub can be converted to 230 volt operation with the addition of a subpanel and a control box wiring change. Consult Allen Pools and Spas before attempting to convert from 115 volt to 230 volt operation.

Any damage to the spa from improper conversion is not covered under the warranty!

115 Volt, 20 Amp GFCI cord
110 Volt Plug N' Play

Pros:

- ♦ Ease of installation

Cons:

- ♦ Hot tub heater does not operate when the jets are in use; can lose 2-3 degrees per hour depending on the ambient temperature

220 Volt, 50 Amp Subpanel

Pros:

- ♦ Hot tub heats 4X faster than 110/115 V
- ♦ Jets and heater can operate at the same time; no temperature loss while using the

Cons:

- ♦ Higher installation cost
- ♦ Requires additional programming upon installation of the hot tub.

Example of 115 Volt:



Example of 220 Volt:



ELECTRICAL INSTALLATION DETAILS:



There are many ways that a hot tub can be wired depending on the exact model and/or brand that you purchase. This means that pre-existing wiring and electrical setups are not sufficient **unless** it is the exact same setup and model, **assuming**: 1) the manufacturer has not made any changes to the tub, and 2) the existing wiring is still in excellent condition.

You will find the electrical schematics for your new hot tub earlier in this booklet. Wiring schematics should be given to your electrician to ensure proper wiring of your hot tub.

NOTE: ELECTRICAL DISCONNECT BREAKERS MUST ALWAYS BE REPLACED WHEN INSTALLING A NEW TUB.

110/115 Volt Hot Tubs:

These have a cord with a GFCI end and **10 ft of usable cord**. The 15 or 20 AMP receptacle box must be installed within **10 ft** of the hot tub **prior to delivery** and the hot tub must be the only appliance powered on that circuit.



GFCI end & attached cord

220 Volt Hardwired Hot Tubs:

These need a “whip” (a flexible or hard $\frac{3}{4}$ ” conduit containing wires as specified on your tub wiring schematic) from your subpanel to the electrical cutout on the hot tub. **You or your electrician MUST add additional length in wiring from the opening, or where the electrical cutout is shown as an entry point on the hot tub, PLUS the width and height to the equipment compartment for the final connection to be made.** There is an electrical board inside the equipment compartment where the wires are meant to be connected and installed to run the hot tub; **wires don’t just go into the electrical opening.**

EX. Grandee with back corner entry requires approximately 15’ of wiring to electrical board. This ensures that your electrician will have enough slack to connect the wires inside the hot tub.

Too long is better than too short (the excess can be wound up in the equipment compartment). If the wires are too short your electrician will have to run an entirely new set of wires for the hot tub to run properly and we will not be able to start your hot tub upon delivery. Please have your electrician reach out to your local Allen Pools and Spas or your salesperson for any clarifications.



PLEASE NOTE (common error): The neutral wire in the subpanel needs to be attached to the breaker, **NOT** onto the grounding bar. The hot tub may not start, or the breakers may trip if the neutral wire is not connected properly.

PER WATKINS MANUFACTURING: To ensure you will have an opportunity to use your spa soon after delivery, it is highly important that the required electrical service has been installed. Unless otherwise stipulated by Allen Pools and Spas, **THIS IS YOUR RESPONSIBILITY.**

IMPORTANT: All electrical circuits must be installed by a qualified, licensed electrician.

You can NOT run a hot tub on an extension cord.



HELPFUL REFERENCES:

Delivery Form

<https://allenpools-spas.com/hot-tub-delivery/>



Delivery Department

deliveries@allenpools-spas.com
802-417-3093

Service Department

service@allenpools-spas.com
802-417-3097

Signatures and Acknowledgements

<https://allenpools-spas.com/signatures-acknowledgements/>



Salesperson

Place card here

Owner's Manuals

<https://allenpools-spas.com/hot-spring-spas-owners-manual/>



Local Water Care Expert(s)

Place card here