



WELCOME TO WARM WATER!

SX



2025

**115 Volt
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

TABLE OF CONTENTS

Tub Specs.....	5,9
Site Selection/Preparation.....	6-7
Ground Preparation.....	8
Delivery Access.....	10-11
Electrical Requirements/Installation.....	12-13
115 Vs 220 Volts; Pros and Cons.....	14-15
Helpful References.....	16

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® 1,000 W / 115 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
115 V / 20 amp, 60 Hz
(includes GFCI protected power cord)

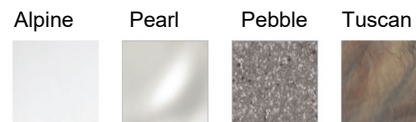
Lighting System Interior: 6 multi-color LED, dimmable
Exterior: N/A

Entertainment N/A

SmartJet Feature N/A

Water Feature N/A

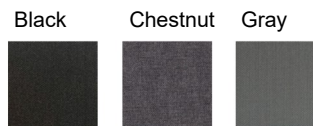
Shell Colors



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



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 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

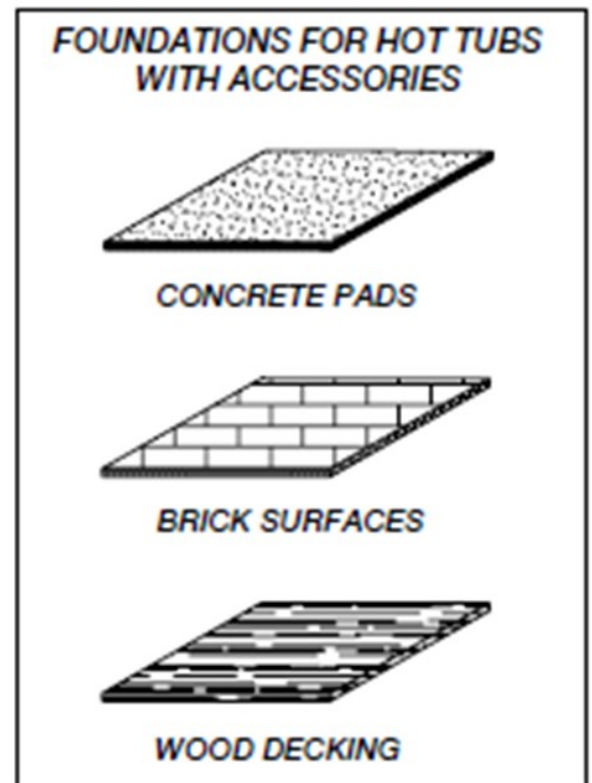
Your Hot Springs spa has been engineered to perform on several kinds of surfaces. While a concrete slab is best for long-term use, other foundations are acceptable so long as a level base is prepared prior to delivery.

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.

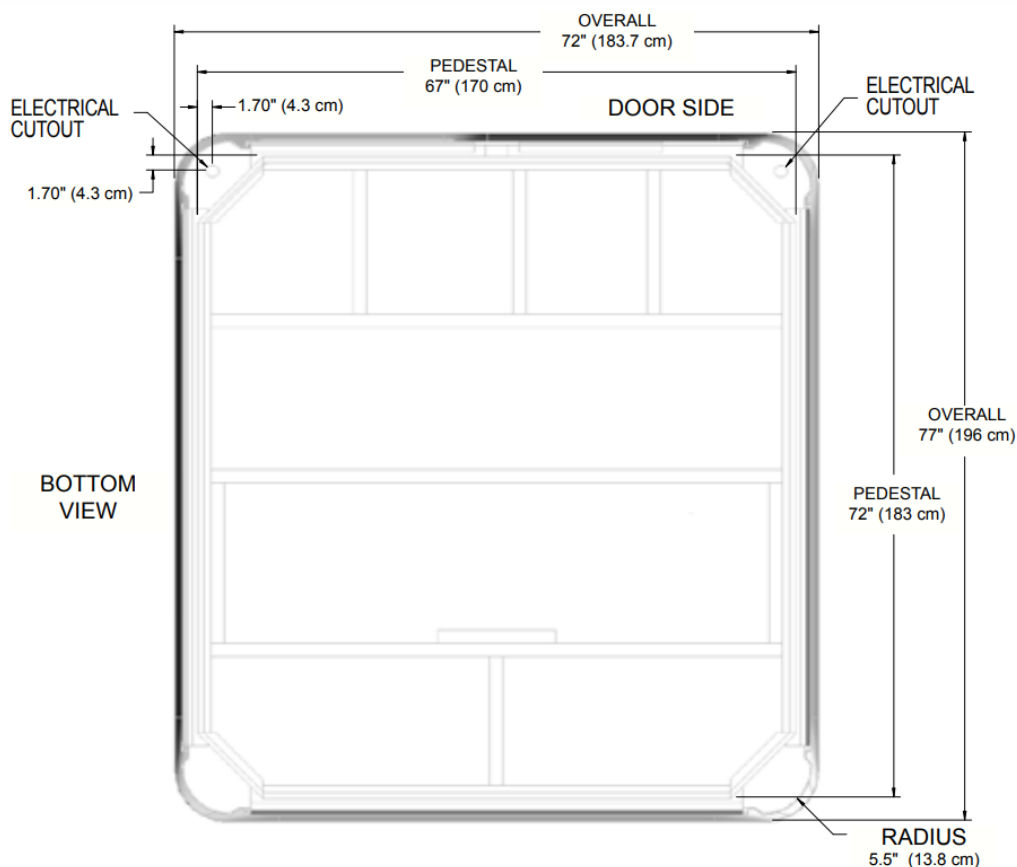
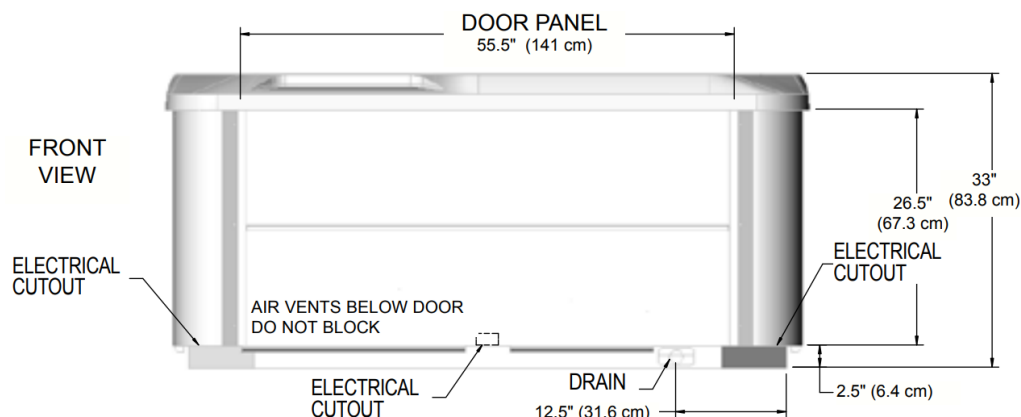
If you are interested in having a concrete slab, brick surface, or a wooden deck installed, your Allen Pools and Spas salesperson should be able to suggest a qualified, licensed contractor.

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.

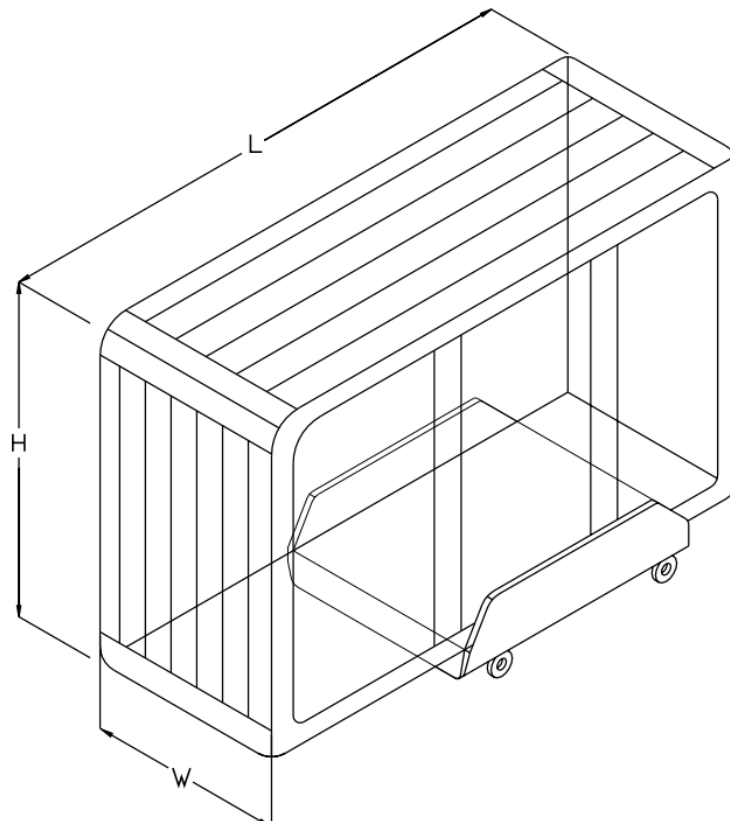
- ⇒ Add 10" to the Height, dimension 'H', to determine the vertical clearance required for the spa and the cart together.
- ⇒ Use the width, dimension 'W', to determine the minimum width of clearance necessary.
- ⇒ Use the length, dimension 'L', to determine the minimum clearance required for things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



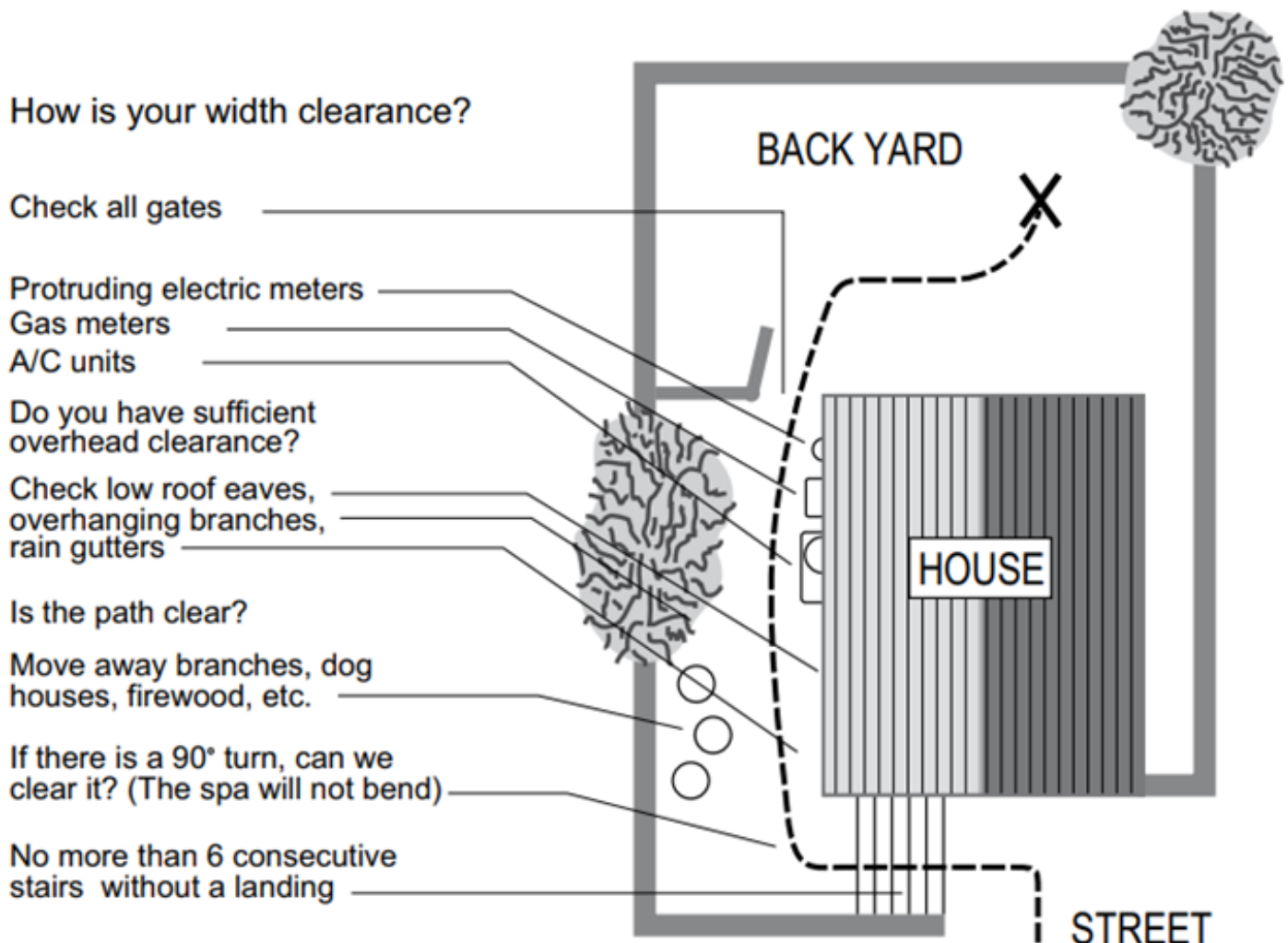
DELIVERY ACCESS



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.



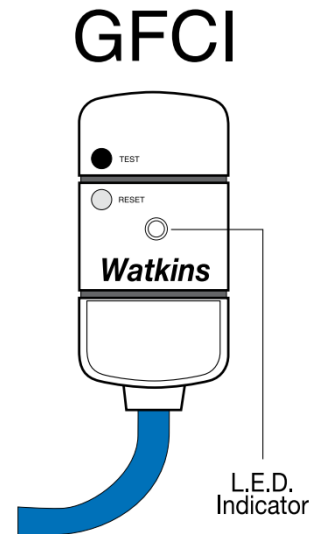


115 VOLT OPERATION INFORMATION (60Hz ONLY)

The Ground Fault Circuit Interrupter (GFCI) is a safety device that is designed to detect as little as 5 milliamps ($\pm 1\text{mA}$) of electrical current leakage to the ground. **WATKINS WELLNESS** recommends that the GFCI be tested prior to each use to ensure it is functioning correctly.

1. With the spa connected to the power supply, push the “Test” button.
The spa should stop operating and the GFCI power indicator will go out.
2. Wait 30 seconds, then reset the GFCI by pushing the “Reset” button.

The GFCI power indicator will turn on, restoring power to the spa. If the interrupter does not perform in this manner, it is an indication of an electrical malfunction and the possibility of an electric shock. Disconnect the plug from receptacle until the fault has been identified and corrected.



IMPORTANT: Never use the GFCI as a means to disconnect power to the spa (always unplug it). If the GFCI is tripped while the spa is plugged in, and a power outage occurs, when the power returns the GFCI will automatically reset and power will flow to the spa.

The spa must be connected to a dedicated 115 volt, 20 amp, GFCI protected, grounded circuit. The term “dedicated” means the electrical circuit is not being used or shared for any other high load electrical items (patio lights, appliances, garage circuits, etc.). If the spa is connected to a non-dedicated circuit, overloading will result in “nuisance tripping” of the internal fuses or of the breaker switch at the house main electrical panel. This requires frequent resetting of the breaker switch at the house electrical breaker panel and introduces the possibility of damage or failure of spa equipment.

NEVER CONNECT THE SPA TO AN EXTENSION CORD!

A pressure wire connector is provided on the exterior surface of the control box, inside the spa. This is to permit the connection of a ground bonding wire between this point and any metal equipment enclosures, reinforced concrete pad, pipe, or conduit within 5 feet of the spa (if needed to comply with local building code requirements). The bonding wire must be at least a #8-AWG solid copper wire. Bond the spa to all exposed metal equipment or fixtures, handrails, and concrete pad per NEC Article 680 and all local codes.

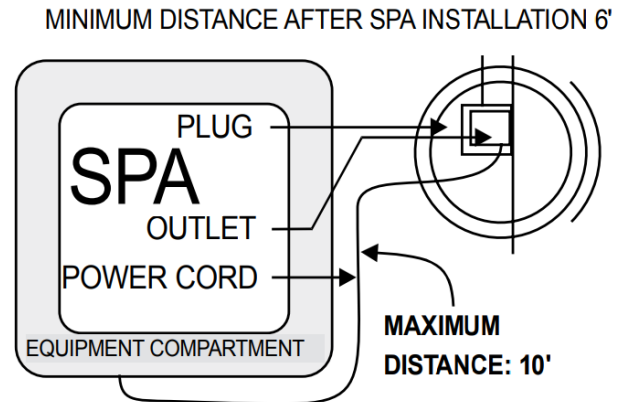
NOTES ON 115V OPERATION:

- ♦ The heater will operate at 1000 watts when the spa is configured as a 115V, vs at 4000 watts when it is configured as a 230V converted model. At 115V/1000W, the spa will heat the water slower than if it was a 230V/4000W configuration.
- ♦ In the 115V configuration, either the heater will operate, or the jet pump will operate, but there is not enough power for them to operate at the same time. As long as the jet pump is activated, the heater will not turn on. However, if the spa is converted to operate at 230V configuration, both the heater and the jet pump will then be able to operate simultaneously.

INSTALLATION INSTRUCTIONS

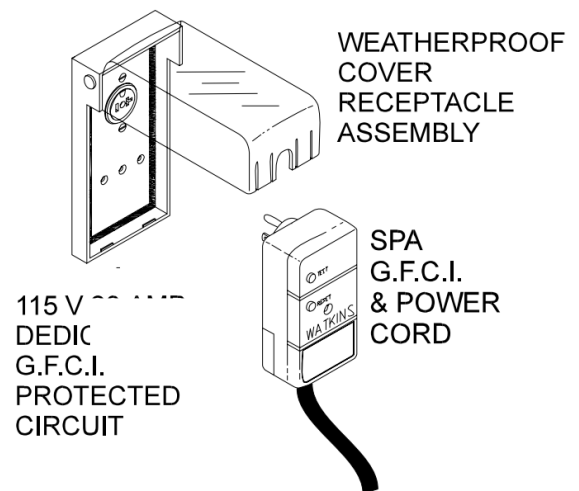


The 115 volt spa comes equipped with approximately 15 feet of useable power cord (this is the maximum length allowed by Underwriters Laboratory and the National Electric Code). When the spa is installed, the power cord will come out of the bottom of the equipment compartment door. For your safety, when the electrician is installing the single electrical outlet and waterproof cover, the outlet should be no closer than 6 feet and no farther than 10 feet from the spa (reference National Electric Codes).



The Ground Fault Circuit Interrupter (GFCI) is located at the end of the power cord. **This device is for your protection.** It is very important to protect it from rain and other moisture. Test once a month, with the plug connected to the power supply.

1. Push the “**TEST**” button on the GFCI breaker. The spa should stop operating and the GFCI power indicator will go out.
2. Wait 30 seconds, then push the “**RESET**” button. Power will be restored to the spa and the GFCI power indicator will turn on.



If the GFCI 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 Allen Pools and Spas service technician. Refer to the Helpful References section of this book for the contact information for Allen Pools and Spas Service Department.

All electrical connections must be made in accordance with the wiring information contained in the electrical control box or on the back of the field wiring access panel of the equipment module.



WARNING: REMOVAL OF THE GFCI FROM THE SPA'S POWER CORD WILL RESULT IN AN UNSAFE SPA AND WILL VOID THE SPA'S WARRANTY!!

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.



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 hot tub

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