



HotSpring®

Every day made better®

HIGHLIFE® COLLECTION

Congratulations on your decision to enjoy the finest spa available.

Welcome to the growing family of HOT SPRING spa owners.

Pre-Delivery Instructions

Please take the time to read this booklet carefully, as it will provide you with the information you will need to ensure the safe, secure, and timely installation of your new spa. The following sections are guidelines on how to prepare for delivery and set-up of your new spa. Specifically covered are site selection, delivery access, ground preparation, and electrical requirements.

Remember to complete your warranty registration within 10 days of delivery. You will find the serial number of your spa as well as the Owners Package containing your Quick Start Guide and other valuable information inside the equipment compartment of your spa.

NOTE: The warranty is valid only if the product is installed on a level, stable, and properly constructed foundation as specified in the installation guidelines.

Watkins Wellness™ reserves the right to change features, specifications and design without notification and without incurring any obligation.

DATE PURCHASED: _____

Register your warranty
using the QR code below:

DATE INSTALLED: _____

DEALER: _____

ADDRESS: _____

TELEPHONE: _____



In most cities and counties, permits will be required for the installation of electrical circuits or the construction of exterior surfaces (decks and gazebos). In addition, some communities have adopted residential barrier codes which may require fencing and/or self-closing gates on the property to prevent unsupervised access to a pool (or spa) by children under 5 years of age. Your **HOT SPRING** spa is equipped with a locking cover that meets the ASTM F1346 Standard for Safety Covers and as a result, is usually exempt from most barrier requirements. As a general practice, your local Building Department will inform you of any applicable barrier requirements at the time a permit is obtained for the installation of an electrical circuit. Your Hot Spring dealer can provide information on which permits may be required.

Site Selection and Preparation

IMPORTANT: Site selection and preparation are your responsibility. Carefully read these instructions and consult your authorized **HOT SPRING** dealer if you have any questions.

You probably have a spot picked out for your new spa, whether it's indoors or outdoors, on a patio or on a deck. Just make sure you check the following:

- Always put your spa on a structurally sound, level surface. A filled spa can weigh a great deal. Make certain 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. This type of damage is not considered a manufacturing defect, and therefore **NOT COVERED UNDER SPA'S WARRANTY**.
- Locate your equipment compartment, which houses all of the electrical components, in a place where water will drain 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 (230 volt models), or to the interrupter switch on the end of the power cord (115 volt models).
- Never let water get into the subpanel (230 volt models), into the interrupter switch (115 volt models), or into the electrical outlet that your spa is plugged into. Your 230 volt spa's subpanel is raintight when installed correctly with the door closed.
- Leave access to the equipment compartment for periodic spa care and maintenance.

OUTDOOR AND PATIO INSTALLATION

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.

If you install the spa outdoors, a reinforced concrete pad at least four inches thick is required for the Grandee® & Envoy® spas, and recommended for the Vanguard®, Aria®, Sovereign®, Prodigy® and Jetsetter® spas. The reinforcing rod or mesh in the pad should be attached to a bond wire (see your Owner's Manual). All Hot Spring spas may be installed onto a deck, provided that the load capacity of the deck is greater than the dead weight of the spa (see Deck Installation).

If you place the spa on the ground, even temporarily, place stepping stones under the leveling areas. The stones should be at least two inches thick and twelve inches square. Even with stones in place, the spa will inevitably settle and become unlevel. Plus, a spa surrounded by dirt or grass will soon be filled with dirt or grass from users' feet; therefore, it is important to get it onto a solid foundation as soon as possible.

DECK INSTALLATION

To be certain 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 or indoors.** To find the weight of your spa, its contents and occupants, refer to the Spa Specification chart. This weight per square foot must not exceed the structure's rated capacity, or serious structural damage could result.

INDOOR INSTALLATION

Be aware of some special requirements if you place your spa indoors. Water will accumulate around the spa, so flooring materials 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 dryrot, mildew, or other 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 to determine if more ventilation must be installed.

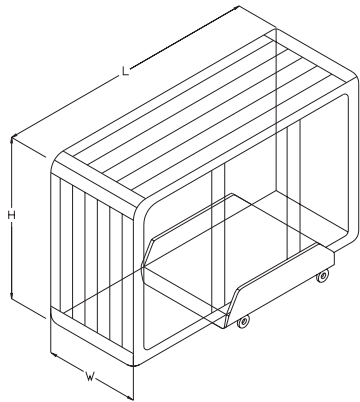
Your **HOT SPRING** dealer can help you with local information such as zoning regulations and building codes.

DELIVERY ACCESS

First, locate the dimensions of your spa on the following chart. The dimensions shown are the measurements of the spa in the vertical position, laid on its side.

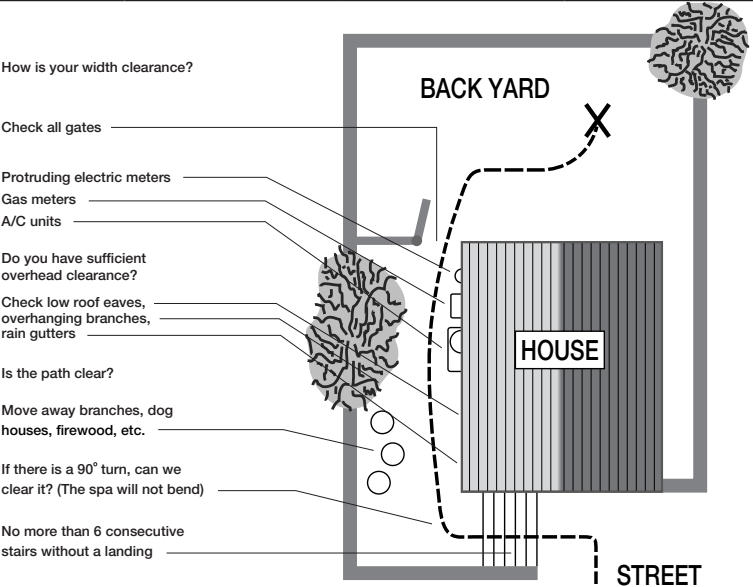
Next, contact your dealer to find the height and width added by the delivery cart which the dealer will use to deliver your new spa. Use the height of the cart plus the dimension shown as H to determine the vertical clearance required to pass the spa and cart. Use the width of the cart, or dimension W, whichever is greater, to determine the maximum width of clearance necessary. Use the length dimension L when making any sharp turns to determine the maximum clearance required.

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



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

<i>Model</i>	<i>Width W</i>	<i>Length L</i>	<i>Height H</i>
GRANDEE (GGN)	38" (97 cm)	100" (2.54 m)	91" (2.31 m)
ENVOY (KKN)	38" (97 cm)	100" (2.54 m)	91" (2.31 m)
VANGUARD (VVN)	36" (91 cm)	87" (2.21 m)	87" (2.21 m)
ARIA (ARN)	36" (91 cm)	87" (2.21 m)	87" (2.21 m)
SOVEREIGN (IIN)	33" (84 cm)	93" (2.36 m)	80" (2.03 m)
PRODIGY (HN)	33" (84 cm)	84" (2.13 m)	78" (1.98 m)
JETSETTER LX (JTN)	33" (84 cm)	84" (2.13 m)	68" (1.73 m)
JETSETTER (JJN)	33" (84 cm)	84" (2.13 m)	68" (1.73 m)



It may be necessary to remove a gate, part of a fence, or other movable obstructions in order to roll the spa to its installation site. About ten percent of the time, a crane is the only way to install the spa by lifting it to its final destination.

If the spa has to be taken off of 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. It is run by a licensed and insured operator. For a charge, the crane operator will lift your spa over walls, buildings, or any other obstruction and place it as close to the installation site as possible. The **HOT SPRING** spa delivery personnel will supervise the crane delivery and complete the spa installation.

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

GROUND PREPARATION

Your Hot Spring spa has been engineered to perform on several types of yard surfaces. While a concrete slab is recommended, other foundations (illustrated below) are acceptable so long as a level base is prepared prior to delivery. **NOTE:** Have a reinforced concrete pad at least 4 inches (10cm) thick or a deck that is able to withstand the pounds per square foot listed in the Spa Specification section.

INSTALLATION NOTES:

- Concrete sloped at 1/2 inch per 10 feet (1 cm per 3 m) is preferred so that rain water and water spillover will run off and not puddle underneath the spa.
- 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 water on the user's feet.

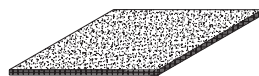
If you are purchasing a deck package or a gazebo with your spa, a solid foundation becomes mandatory. Placing them on any surface other than a single level pad could create problems with their installation. Pictured at right are the recommended surfaces.

As a homeowner, it is your responsibility to provide a suitable, level foundation for your spa. Keep in mind that most delivery crews are not equipped to level and prepare spa sites.

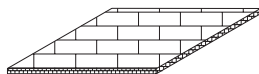
If you are interested in having a concrete slab, brick surface, or wood deck installed, your **HOT SPRING** dealer should be able to suggest a qualified, licensed contractor.

NOTE: In order for the spa to operate properly and the internal plumbing to drain completely, you must ensure that the spa surface is leveled before the spa has been installed. Shimming or point leveling is NOT supported or recommended by the manufacturer.

FOUNDATIONS FOR SPAS WITH ACCESSORIES



CONCRETE PADS



BRICK SURFACES



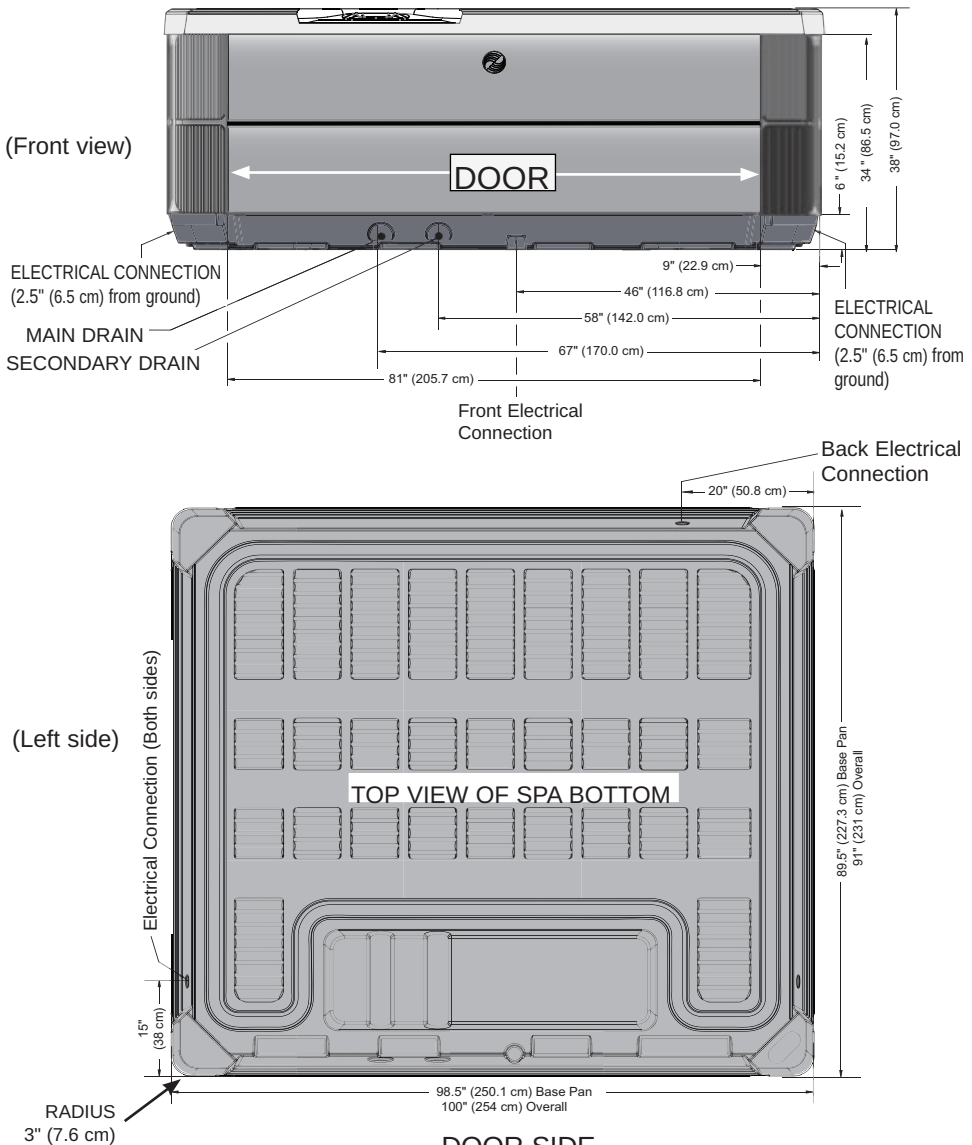
WOOD DECKING

GRANDEE (GGN)

Dimensions

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

Configuration and location may change without notice.



NOTE: WATKINS WELLNESS requires that the **GRANDEE** be installed on a minimum 4" (10 cm) thick reinforced concrete pad or a deck that is able to withstand more than 125 lbs/ft² (605 kg/m²).

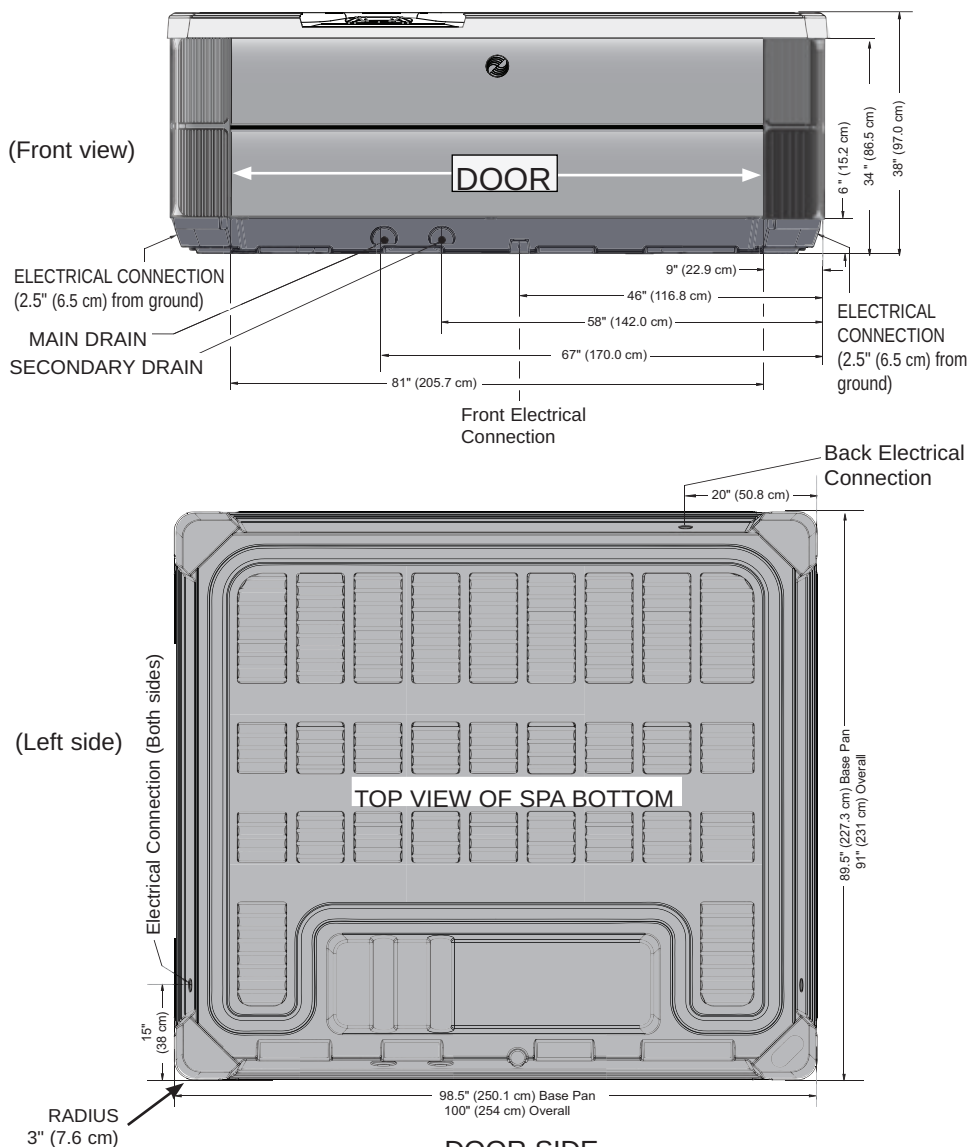
WARNING: The **GRANDEE** must not be shimmed in any manner.

ENVOY (KKN)

Dimensions

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

Configuration and location may change without notice.



NOTE: WATKINS WELLNESS requires that the **ENVOY** be installed on a minimum 4" (10 cm) thick reinforced concrete pad or a deck that is able to withstand more than 120 lbs/ft² (570 kg/m²).

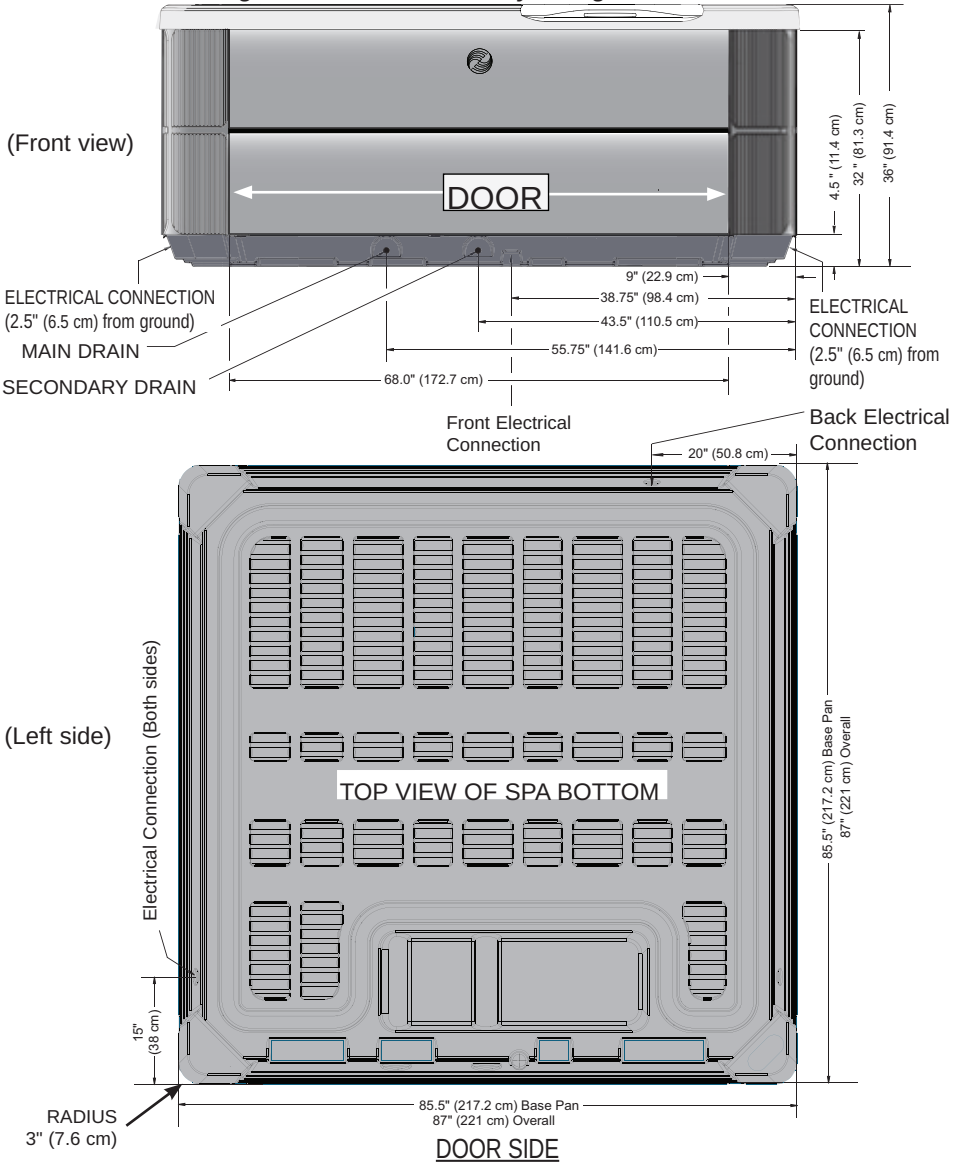
WARNING: The **ENVOY** must not be shimmed in any manner.

VANGUARD (VVN) & ARIA (ARN)

Dimensions

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

Configuration and location may change without notice.



NOTE: WATKINS WELLNESS recommends that the VANGUARD & ARIA be installed on a minimum 4" (10 cm) thick reinforced concrete pad or a deck that is able to withstand more than 130 lbs/ft² (630 kg/m²) & 125 lbs/ft² (595 kg/m²).

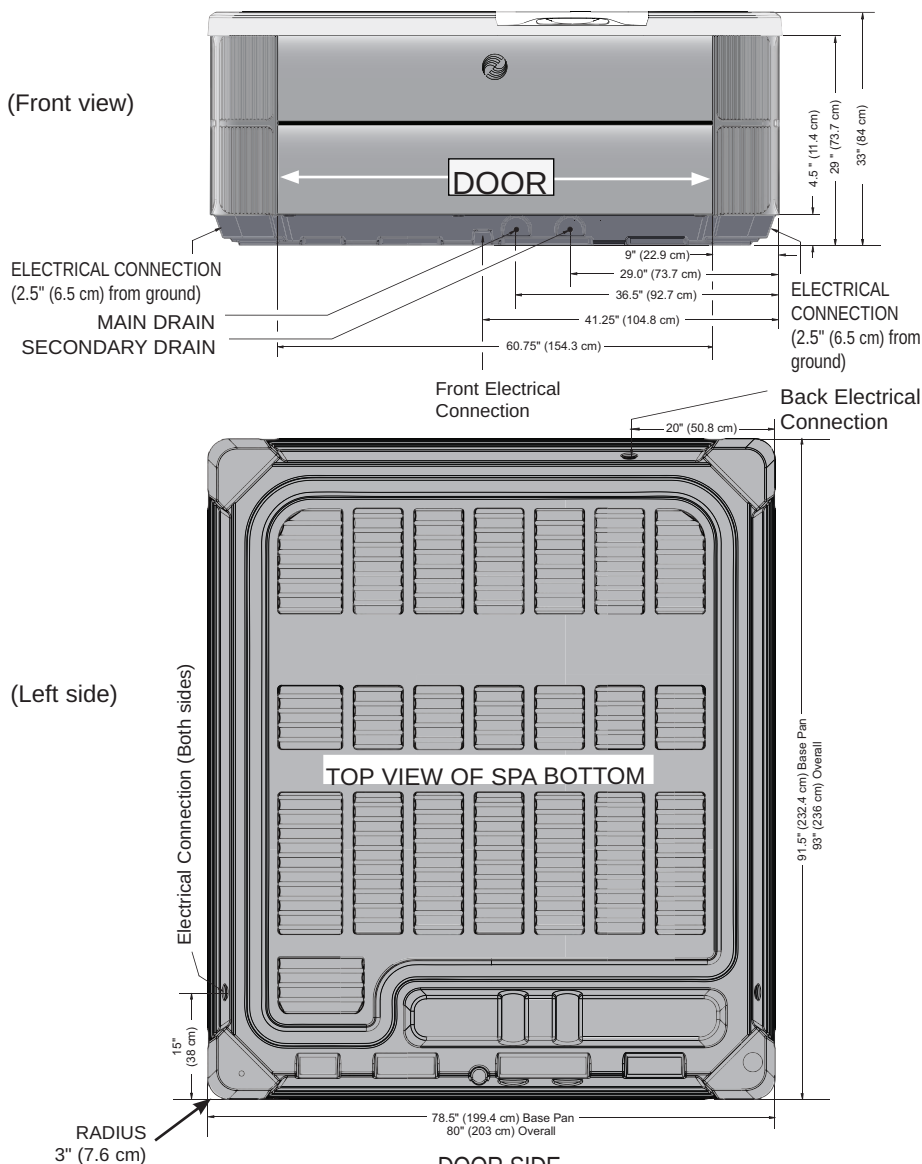
WARNING: The VANGUARD & ARIA must not be shimmed in any manner.

SOVEREIGN (IIN)

Dimensions

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

Configuration and location may change without notice.



NOTE: WATKINS WELLNESS recommends that the **SOVEREIGN** be installed on a minimum 4" (10 cm) thick reinforced concrete pad or a deck that is able to withstand more than 115 lbs/ft² (555 kg/m²).

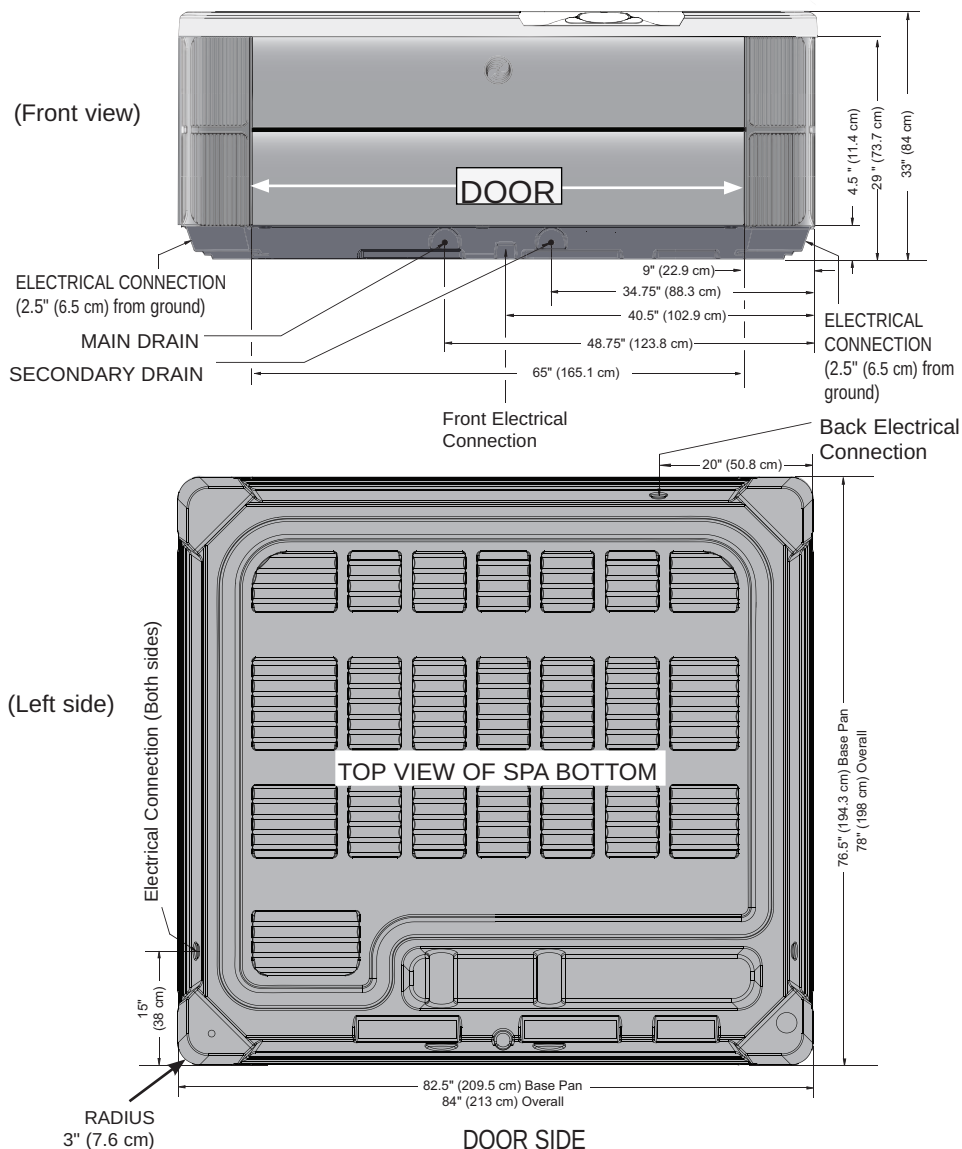
WARNING: The **SOVEREIGN** must not be shimmed in any manner.

PRODIGY (HN)

Dimensions

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

Configuration and location may change without notice.



NOTE: WATKINS WELLNESS recommends that the **PRODIGY** be installed on a minimum 4" (10 cm) thick reinforced concrete pad or a deck that is able to withstand more than 125 lbs/ft² (595 kg/m²).

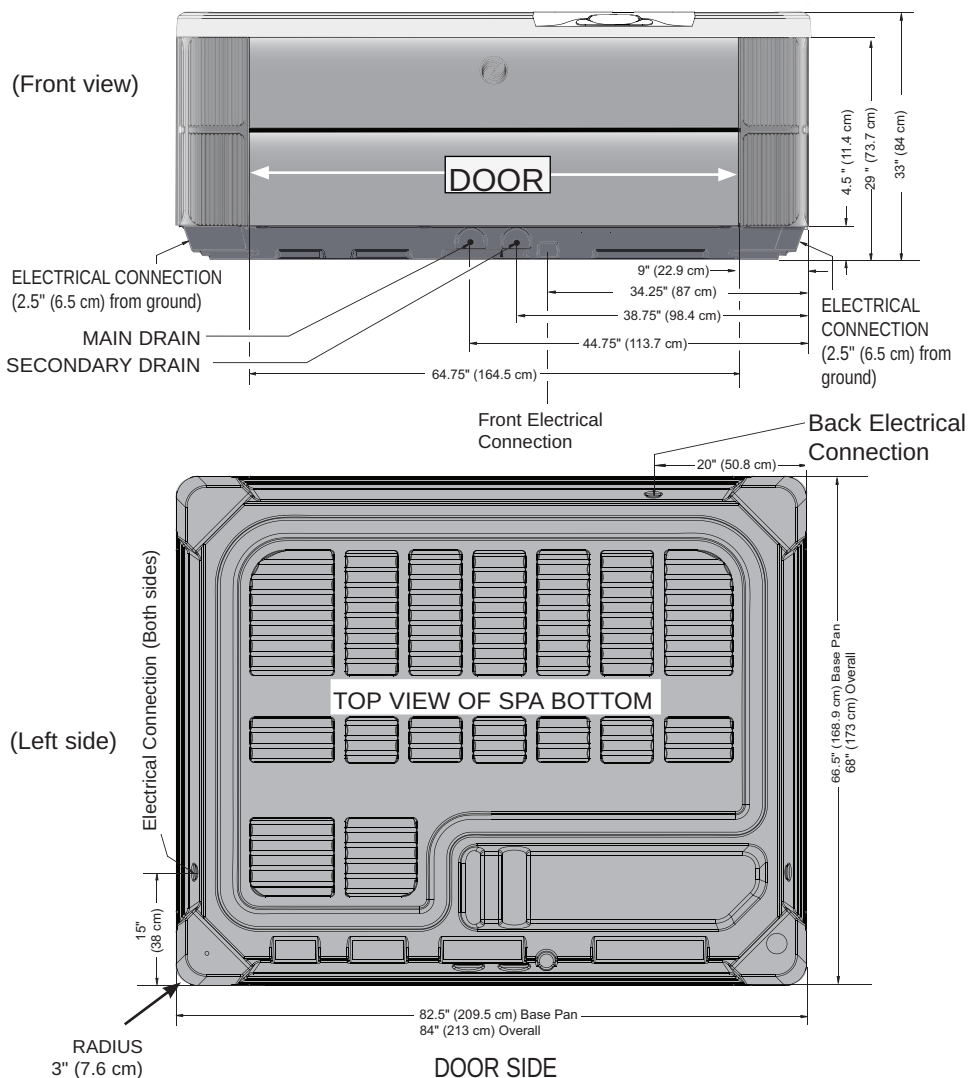
WARNING: The **PRODIGY** must not be shimmed in any manner.

JETSETTER LX (JTN) & JETSETTER (JJN)

Dimensions

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

Configuration and location may change without notice.



NOTE: WATKINS WELLNESS recommends that the **JETSETTER** be installed on a minimum 4" (10 cm) thick reinforced concrete pad or a deck that is able to withstand more than 115 lbs/ft² (555 kg/m²).

WARNING: The **JETSETTER** must not be shimmed in any manner.

ELECTRICAL REQUIREMENTS

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.**

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

HOT SPRING spas are manufactured in two different electrical versions. The **GRANDEE, ENVOY, VANGUARD, ARIA, SOVEREIGN, PRODIGY** and **JETSETTER LX** models are available with a 230 volt continuous heating system. These spas cannot be converted to 115 volt operation.

The remaining spa model, the **JETSETTER** is available as 115 volt or 230 volt convertible heating systems. This models comes standard from the factory with 115 volt heating systems; however, with the addition of a subpanel and a control box wiring change, it can be converted to 230 volt operation. See the following sections for the electrical requirements for 115 volt operation, 230 volt operation and 230 volt converted operation.

115 VOLT OPERATION REQUIREMENTS

The 115 volt spa requires a dedicated 20 amp, 115 volt circuit. This circuit must be properly wired; that is, it must have a 20 amp GFCI breaker in the main electrical service panel, and #12 AWG wire (including ground wire) and the correct polarity throughout the circuit.

WIRE SPECIFICATION NOTE: Long electrical runs may require a larger gauge feed wire than stated. We recommend that a maximum voltage drop of 3% be used when calculating the larger wire size.

NOTE: The term “dedicated” means that only the spa operates on the circuit.

The 115 volt model comes equipped with approximately 15 feet of usable power cord. (This is the maximum length allowed by Underwriters Laboratory.) When the spa is installed, the power cord will come out of the bottom of the equipment compartment.

In addition to the dedicated 20 amp, 115 volt GFCI protected circuit, your spa requires a 20 amp single receptacle. This receptacle, which contains an outdoor-rated, weather-resistant receptacle cover plate, will be provided to you. The single receptacle and cover plate should be installed by your electrician prior to the delivery of your spa.

For your safety, when your electrician is installing the electrical outlet, it should be no closer than six (6) feet and no farther than ten (10) feet from the spa.

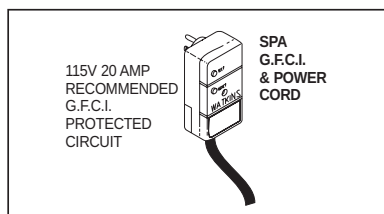
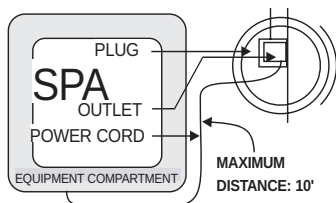
WARNINGS: Do not connect your spa to an extension cord!

The 115 volt GFCI switch and the receptacle must be protected from weather and landscape sprinklers—they should never get wet.

NOTE: If you require the services of a licensed electrician, your **HOT SPRING** Dealer should be able to suggest one for you.

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.

MINIMUM DISTANCE AFTER SPA INSTALLATION 6'



230 VOLT OPERATION REQUIREMENTS

All models require a 50 amp, single phase, 230 volt circuit breaker in the main electrical service panel.

All 230 volt Hot Spring spas must be wired in accordance with applicable local and national electrical codes, all electrical work must be done by a licensed electrician.

NOTE: WATKINS WELLNESS REQUIRES THE USE OF A SUBPANEL TO SUPPLY POWER AND PROTECT THE SPA. The subpanel containing GFCI breakers is included with the spa except for **JETSETTER (JJN)**.

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, and from the sub-panel to the spa per the appropriate wiring diagram as illustrated below.

The grounding conductor must be at least #10 AWG. Your electrician should mount the subpanel in the vicinity of the spa but it should not be closer than 5 feet (1.5 m) from the spa water edge (NEC 680-38 to 41-A-3).

INSTALLATION NOTE: After the spa has been installed by the dealer's delivery crew, your electrician can connect the conduit from the subpanel to the spa's IQ 2020® Control Box and then complete the wiring connections in the control box.

IMPORTANT NOTE: Three different wiring diagrams are shown: one for **GRANDEE, ENVOY, VANGUARD & ARIA** models. One for the **SOVEREIGN, PRODIGY & JETSETTER LX** models, and one for the **JETSETTER JJN** model. Always follow the wiring diagram for your specific model.

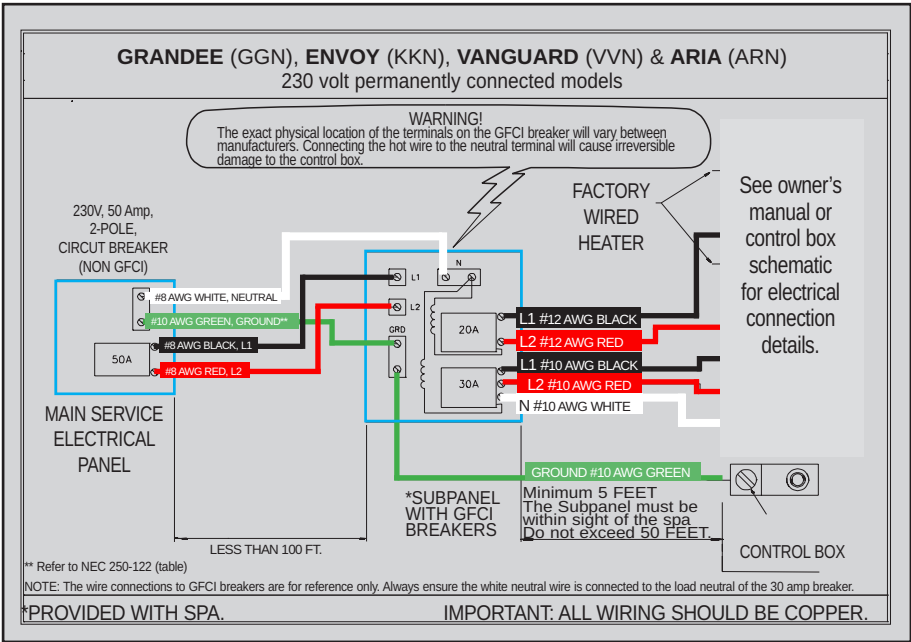
NOTE: Complete Installation and Wiring Instructions for all 230 volt Hot Spring models are included in the Owner's Manual and with each sub-panel, which can be obtained from your dealer.

WARNING: Removing or bypassing the GFCI breakers in the subpanel at any time will result in an unsafe spa and will void the warranty.

WIRE SPECIFICATION NOTE: Long electrical runs may require a larger gauge feed wire than stated. We recommend that a maximum voltage drop of 3% be used when calculating the larger wire size.

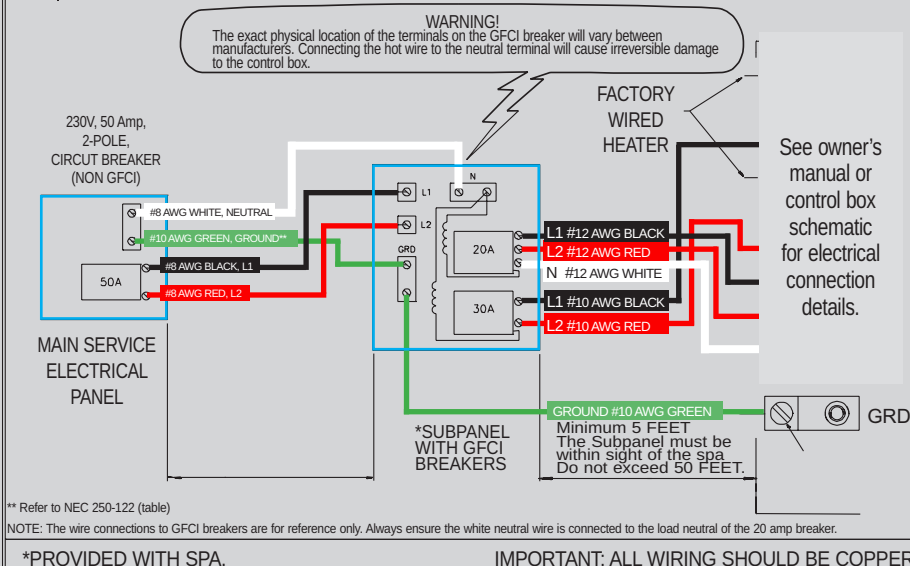
Refer to the Wiring Diagrams to the right for the electrical requirements of the 230 volt models.

When connecting the supply conduit to the bottom of the **IQ 2020** box, use the recommended connectors, page is attached to the control box inside the spa.



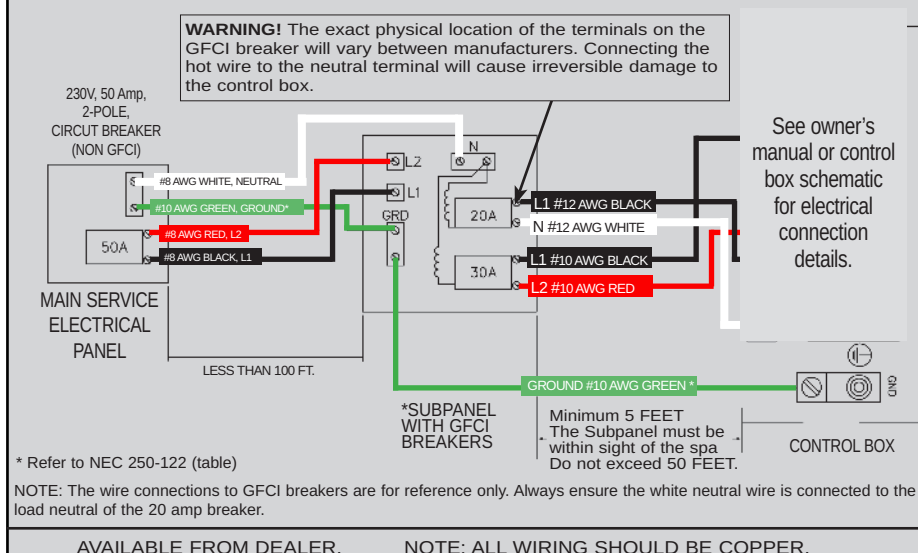
SOVEREIGN (IIN), PRODIGY (HN) & JETSETTER LX (JTN)

230 volt permanently connected models



JETSETTER (JJN)

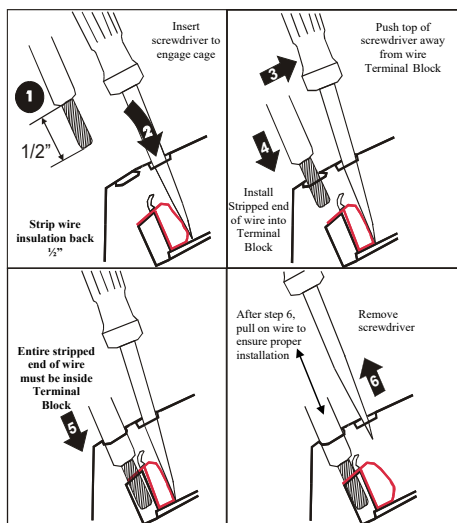
230 volt converted model



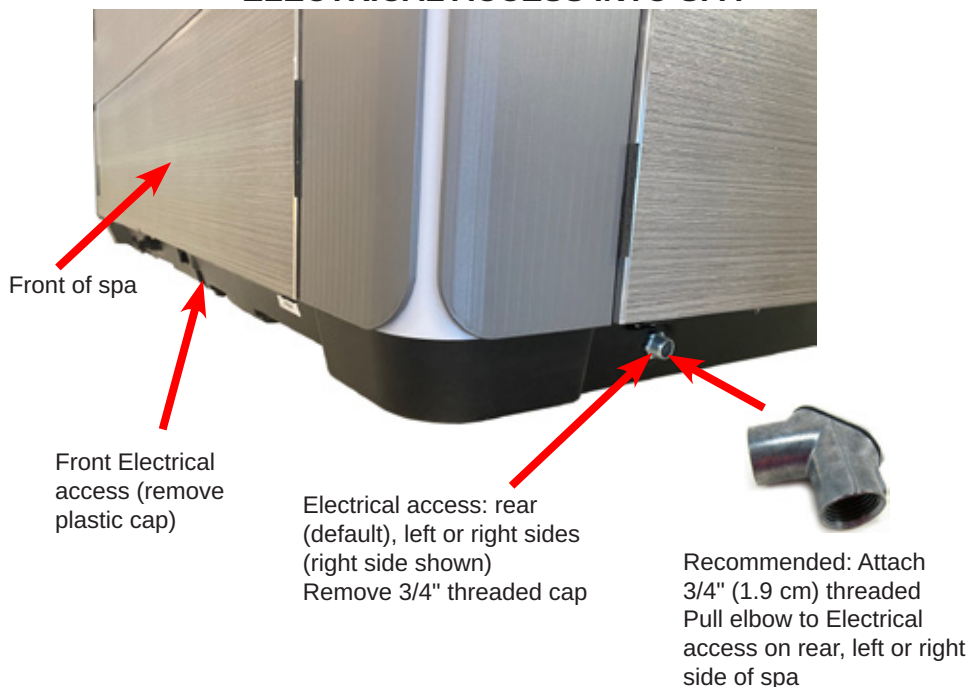
WIRE INSTALLATION FOR CONTROL BOX TERMINAL BLOCK (Layout of Spa's Terminal Blocks may vary)

Wire Installation Steps

Refer to spa's wiring diagram on back of Control Box Cover for proper wiring and jumper configuration!



ELECTRICAL ACCESS INTO SPA



SERVICES AVAILABLE FROM YOUR
HOT SPRING SPA DEALER

Service	Cost	
Pre-Delivery site inspection	_____	
Deliver spa to installation site	_____	
Unwrap spa and haul away packaging material	_____	
Set up & level spa	_____	
Install FreshWater® Smart Monitoring System	_____	
Fill the spa with water	_____	
Explain and test the spa's operation		
• Jet system	• Moto-Massage® DX jet	• Comfort Control® system
• Set temperature control	• Control panel functions	• FreshWater Salt System
Explain the safety features		
• GFCI	• Heater high limit	• Heater thermal cut-off
General spa operation & maintenance orientation		_____
Water quality and maintenance orientation		_____
Adjust the water's Total Alkalinity, and pH		_____
Sanitize the water		_____
Inspect the spa cover, place on spa		_____
Review winterizing instructions		_____
Review Owner's Manual & Warranty Card		_____
Follow-up call		_____
In-store spa water analysis		_____
TOTAL COST		_____

ADDITIONAL PRODUCTS AVAILABLE FROM YOUR HOT SPRING SPA DEALER

- FreshWater® Smart Monitoring System
- FreshWater III high output ozone, MPS, and FRESHWATER® Silver Ion Cartridge (sold separately)
- Clean Screen® Pre-filter
- Vanishing Act® Calcium Remover
- FreshWater Spa Salt
- FreshWater Salt Test Strips
- FreshWater Salt System Replacement Cartridges
- FreshWater Smart Monitoring Replacement Sensors
- FreshWater® Precision Dosing System
- FreshWater 5-way Test Strips
- FreshWater Bottled Water Care Products
- FreshWater Instant Filter Cleaner and Filter Cleaner
- FreshWater CoverShield
- Connected Spa Kit & Hot Springs Spa App
- Retractable cover systems including the CoverCradle®, CoverCradle II, UpRite and Lift'n Glide® systems.
 - Cover Cradle - 24" (61 cm) Clearance required
 - Cover Cradle II - 24" (61 cm) Clearance required
 - UpRite - 7" (18 cm) Clearance required
 - Lift 'n Glide - 14" (36 cm) Clearance required
- Polyester covers
- Spa steps
- Replacement filter cartridges
- Pillows

NOTE: Actual clearance may vary depending on spa model and installation location. Check with dealer for further details.

CONTRACTOR SUGGESTIONS

Electrician

Name: _____

Telephone: _____

Name: _____

Telephone: _____

Masonry

Name: _____

Telephone: _____

Name: _____

Telephone: _____

General

Name: _____

Telephone: _____

Name: _____

Telephone: _____

Spa Specifications

	Footprint dimensions	Height	Effective filter area**	Heater (Watts)	Water capacity	Dry weight	Filled weight*	Dead weight*	Electrical requirements
GRANDEE (Model GGN) Seats 7 Adults	100" x 91" 2.54 m x 2.31 m	38" 97 cm	325 ft ²	4,000	455 gallons 1,725 liters	790 lbs 360 kg	5,810 lbs 2,645 kg	125 lbs/ ft ² 605 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit
ENVOY (Model KKN) Seats 5 Adults	100" x 91" 2.54 m x 2.31 m	38" 97 cm	325 ft ²	4,000	455 gallons 1,725 liters	785 lbs 355 kg	5,455 lbs 2,480 kg	120 lbs/ ft ² 570 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit
VANGUARD (Model VVN) Seats 6 Adults	87" x 87" 2.21 m x 2.21 m	36" 91 cm	325 ft ²	4,000	375 gallons 1,425 liters	710 lbs 320 kg	4,890 lbs 2,225 kg	130 lbs/ ft ² 630 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit
ARIA (Model ARN) Seats 5 Adults	87" x 87" 2.21 m x 2.21 m	36" 91 cm	325 ft ²	4,000	365 gallons 1,400 liters	680 lbs. 310 kg	4,600 lbs. 2,110 kg	125 lbs/ ft ² 595 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit
SOVEREIGN (Model IIN) Seats 6 Adults	80" x 93" 2.03 m x 2.36 m	33" 84 cm	195 ft ²	6,000	330 gallons 1,250 liters	600 lbs. 270 kg	4,230 lbs. 1,920 kg	115 lbs/ ft ² 555 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit

CAUTION: WATKINS WELLNESS suggests a structural engineer or contractor be consulted before the spa is placed on an elevated deck.

* **NOTE:** The "Filled weight" and "Dead weight" of the spa includes the weight of the occupants (assuming an average occupant weight of 175 lbs [80 kg]).

**Effective filter area is based on 6.5 square feet actual area per filter with 10 times effectivity rating.

Spa Specifications

	Footprint dimensions	Height	Effective filter area **	Heater (Watts)	Water capacity	Dry weight	Filled weight*	Dead weight*	Electrical requirements
PRODIGY (Model HN) Seats 5 Adults	84" x 78" 2.13 m x 1.98 m	33" 84 cm	195 ft ²	6,000	270 gallons 1,025 liters	575 lbs 260 kg	3,705 lbs 1,685 kg	125 lbs/ft ² 595 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit
JETSETTER LX (Model JTN) Seats 3 Adults	84" x 68" 2.13 m x 1.73 m	33" 84 cm	195 ft ²	6,000	250 gallons 950 liters	515 lbs. 235 kg	3,125 lbs. 1,425 kg	115 lbs/ft ² 555 kg/m ²	230 volt, 20A & 30A Single phase GFCI protected circuit
JETSETTER (Model JJN) Seats 3 Adults	84" x 68" 2.13 m x 1.73 m	33" 84 cm	195 ft ²	1,500 or 6,000	245 gallons 925 liters	500 lbs. 225 kg	3,070 lbs. 1,390 kg	115 lbs/ft ² 540 kg/m ²	115 volt, 20A or 230 volt, 20A & 30A single phase GFCI protected circuit

CAUTION: WATKINS WELLNESS suggests a structural engineer or contractor be consulted before the spa is placed on an elevated deck.

* **NOTE:** The "Filled weight" and "Dead weight" of the spa includes the weight of the occupants (assuming an average occupant weight of 175 lbs [80 kg]).

**Effective filter area is based on 6.5 square feet actual area per filter with 10 times effectivity rating.



WatkinsWellness®

Feel good. Live well.

1280 Park Center Drive
Vista, California 92081
(800) 999-4688 extension 8432

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Hot Spring, Built for a lifetime of relaxation, Moto-Massage, Highlife, Grandee, Envoy, Vanguard, Aria, Sovereign, Prodigy, Jetsetter, AutoFresh, Comfort Control, CoverCradle, GlideRite, Lift'nGlide, UpRite, IQ 2020, CoverShield, FreshWater, Vanishing Act and The Home Relaxation Specialists are trademarks of **WATKINS WELLNESS**.

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