



# OC Hot Tubs Pre-delivery Guide



© 2018 OC Hot Tubs

[www.ochottubsinfo.com](http://www.ochottubsinfo.com)



# Table of Contents

## Preparing for Your New Portable Spa

Pre-Delivery Checklist . . . . .	1
Planning the Best Location . . . . .	1
Preparing a Good Foundation . . . . .	2
Getting the Spa Into Your Yard . . . . .	3
Check the Dimensions of Your New Spa . . . . .	3
Special Circumstances . . . . .	3

## Electrical Requirements

240 Volt Electrical Installation . . . . .	4
Testing the GFCI Breaker . . . . .	4
System/Pump Wiring Table . . . . .	5
GFCI Wiring Diagram (Balboa) . . . . .	6
Serenity Layout . . . . .	7
Tranquility Layout . . . . .	8

## Technical Specifications

Model	Width	Length	Depth	Gallons	Dry Weight	Filled Weight
OC-885	93"	84"	36"	450	900 Lbs.	4636 Lbs.
OC-45	84"	84"	36"	450	900 Lbs.	4636 Lbs.

Copyright 2018 OC Hot Tubs. All rights reserved. Duplication without written consent is strictly prohibited.

Due to continuous improvement programs, all models, operation, and/or specifications are subject to change without prior notice.

LTR50001046, Rev. D  
6/13/18

### Customer Service Contact Information

For customer service questions and information please contact us:

Toll Free: 1-800-225-7727

OR

e-mail: [customerservice@ochottubsinfo.com](mailto:customerservice@ochottubsinfo.com)

Monday-Friday 8:00am - 4:30pm PST

**[www.ochottubsinfo.com](http://www.ochottubsinfo.com)**

# Preparing for Your New Portable Spa

## Pre-Delivery Checklist

Most cities and counties require permits for exterior construction and electrical circuits. In addition, some communities have codes requiring residential barriers such as fencing and/or self-closing gates on property to prevent unsupervised access to the property by children. Your dealer can provide information on which permits may be required and how to obtain them prior to the delivery of your spa.

Before Delivery	
	Plan your delivery route
	Choose a suitable location for the spa
	Lay a 5 - 8 cm deep concrete slab
	Install dedicated electrical supply
After Delivery	
	Place spa on slab
	Connect electrical components

## Planning the Best Location

### Safety First

Do not place your spa within 10 feet (3 m) of overhead power lines.

Make sure the spa is positioned so that access to the equipment compartment and all side panels will not be blocked. Be certain that your installation will meet all city and local safety codes and requirements.

### Consider How You Will Use Your Spa

How you intend to use your spa will help you determine where you should position it. For example, will you use your spa for recreational or therapeutic purposes? If your spa is mainly used for family recreation, be sure to leave plenty of room around it for activity. If you will use it for relaxation and therapy, you will probably want to create a specific mood around it.

### Plan for Your Environment

If you live in a region where it snows in the winter or rains frequently, place the spa near a house entry. By doing this, you will have a place to change clothes and not be uncomfortable.

### Consider Your Privacy

In a cold-weather climate, bare trees won't provide much privacy. Think of your spa's surroundings during all seasons to determine your best privacy options. Consider the view of your neighbors as well when you plan the location of your spa.

### Provide a View with Your Spa

Think about the direction you will be facing when sitting in your spa. Do you have a special landscaped area in your yard that you find enjoyable? Perhaps there is an area that catches a soothing breeze during the day or a lovely sunset in the evening.

### Keep Your Spa Clean

In planning your spa's location, consider a location where the path to and from the house can be kept clean and free of debris.

Prevent dirt and contaminants from being tracked into your spa by placing a foot mat at the spa's entrance where the bathers can clean their feet before entering your spa.

### Allow for Service Access

Make sure the spa is positioned so that access to the equipment compartment and all side panels will not be blocked.

Many people choose to install a decorative structure around their spa. If you are installing your spa with any type of structure on the outside, such as a gazebo, remember to allow access for service. It is always best to design special installations so that the spa can still be moved, or lifted off the ground if necessary.

## Preparing a Good Foundation

Your spa needs a solid and level foundation. The area that it sits on must be able to support the weight of the spa, with water and the occupants who use it. If the foundation is inadequate, it may shift or settle after the spa is in place, causing stress that could **DAMAGE YOUR SPA SHELL AND FINISH.**

***Damage caused by inadequate or improper foundation support is not covered by the warranty. It is the responsibility of the spa owner to provide a proper foundation for the spa.***

Place the spa on an elevated 3 to 4" concrete slab. Pavers, gravel, brick, sand, timbers or dirt foundations are **not** adequate to support the spa and will void your warranty.

We strongly recommend that a qualified, licensed contractor prepare the foundation for your spa.

If you are installing the spa indoors, pay close attention to the flooring beneath it. Choose flooring that will not be damaged or stained.

If you are installing your spa on an elevated wood deck or other structure, it is highly recommended that you consult a structural engineer or contractor to ensure the structure will support the weight of 150 pounds per square foot (732 kg / m<sup>2</sup>).

To properly identify the weight of your new spa when full, remember water weighs 8.33 lbs. per gallon, or 1 kg per liter. For example, an average 8' spa holds approximately 500 gallons, or 1892 liters, of water. Using this formula, you will find that the weight of the water alone is 4,165 lbs, or 1892 kg. Combined with the dry weight of the spa you will note that this spa will weigh approximately 5,000 lbs, or 2267 kg, when full of water.



## Getting the Spa Into Your Yard

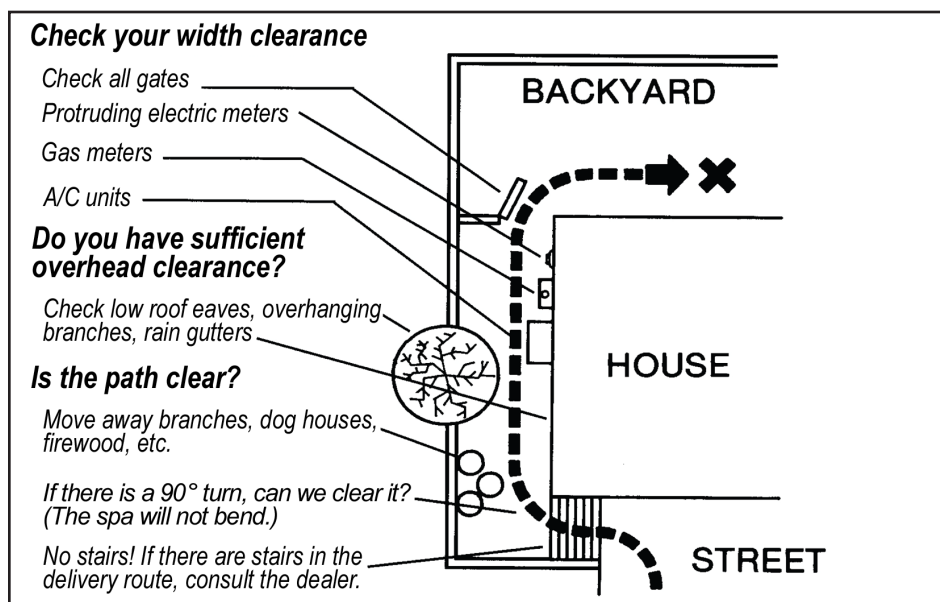
### Check the Dimensions of Your New Spa

The specifications of your spa are shown in a table on the inside cover of this guide and provide the dimensions of your spa as it sits on the delivery cart. During delivery, the spa must remain on the delivery cart at all times. Compare the dimensions to the width of the gates, sidewalks, and doorways along the delivery route. It may be necessary for you to remove a gate or partially remove a fence in order to provide an unobstructed passageway to the installation location.

### Plan the Delivery Route

Consider the following when planning your delivery route:

- Check the width of gates, doors and sidewalks to make sure your spa will pass through unobstructed. You may have to remove a gate or part of a fence to allow for adequate width clearance.
- Are there low roof eaves, overhanging branches or rain gutters that could be an obstruction to overhead clearance?
- 7' spas need **at least** 42" wide gate and 8' height clearance.
- If the delivery route will require a 90° turn, check the measurements at the turn to ensure the spa will fit.
- Are there protruding gas meters, water meters or A/C units on your home which will cause obstructions along the delivery path to your yard?
- Are there stairs in your delivery route? If so, you must consult your spa dealer prior to delivery to make adequate preparations.



### Special Circumstances

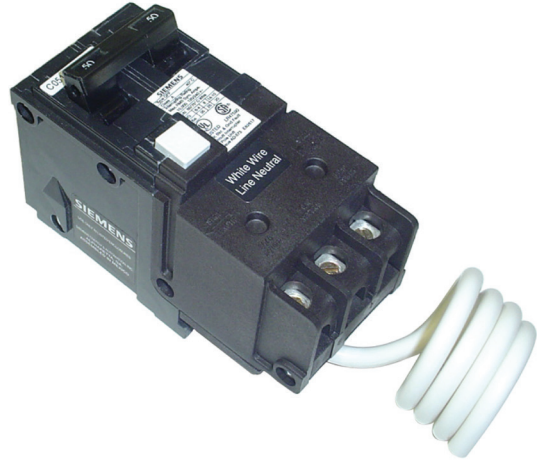
The use of a crane for delivery and installation may become necessary if you are unable to provide an adequate delivery route. It is used primarily to avoid injury to your spa, your property or to delivery personnel. Your spa dealer may be able to assist you with the arrangements. If your spa delivery requires the use of a crane, the cost of a crane is generally not included in the standard delivery service. You are responsible for all delivery costs of your spa.

## Electrical Requirements

### 240 Volt Electrical Installation

All 240V spas must be permanently connected (hard wired) to the power supply. These instructions describe the only acceptable electrical wiring procedure. Spas wired in any other way will void your warranty and may result in serious injury. See the wiring diagrams starting on page 6.

When installed in the United States, the electrical wiring of this spa must meet the requirements of National Electric Code, ANSI/NFPA 70-2008 and any applicable local, state, and federal codes. The electrical circuit must be installed by an electrical contractor and approved by a local building / electrical inspector.



### GFCI and Wiring Requirements

The power supplied to the spa must be on a dedicated GFCI protected circuit as required by ANSI/NFPA 70 with no other appliances or lights sharing the power.

Use one 50 amp GFCI for the OC-885, or one 40 amp GFCI for the OC-45 with four #6 copper wires and THHN insulation. Do not use aluminum wire.

Wires that run over 85 feet must increase wire gauge to the next lower number. For example: A normal 50 amp GFCI with four #6 AWG Copper wires that run over 85 feet would require four #4 AWG copper wires.

When NEC requires the use of wires larger than #6 AWG, install a junction box near the spa and use #6 AWG wire between the junction box and the spa.

### Testing the GFCI Breaker

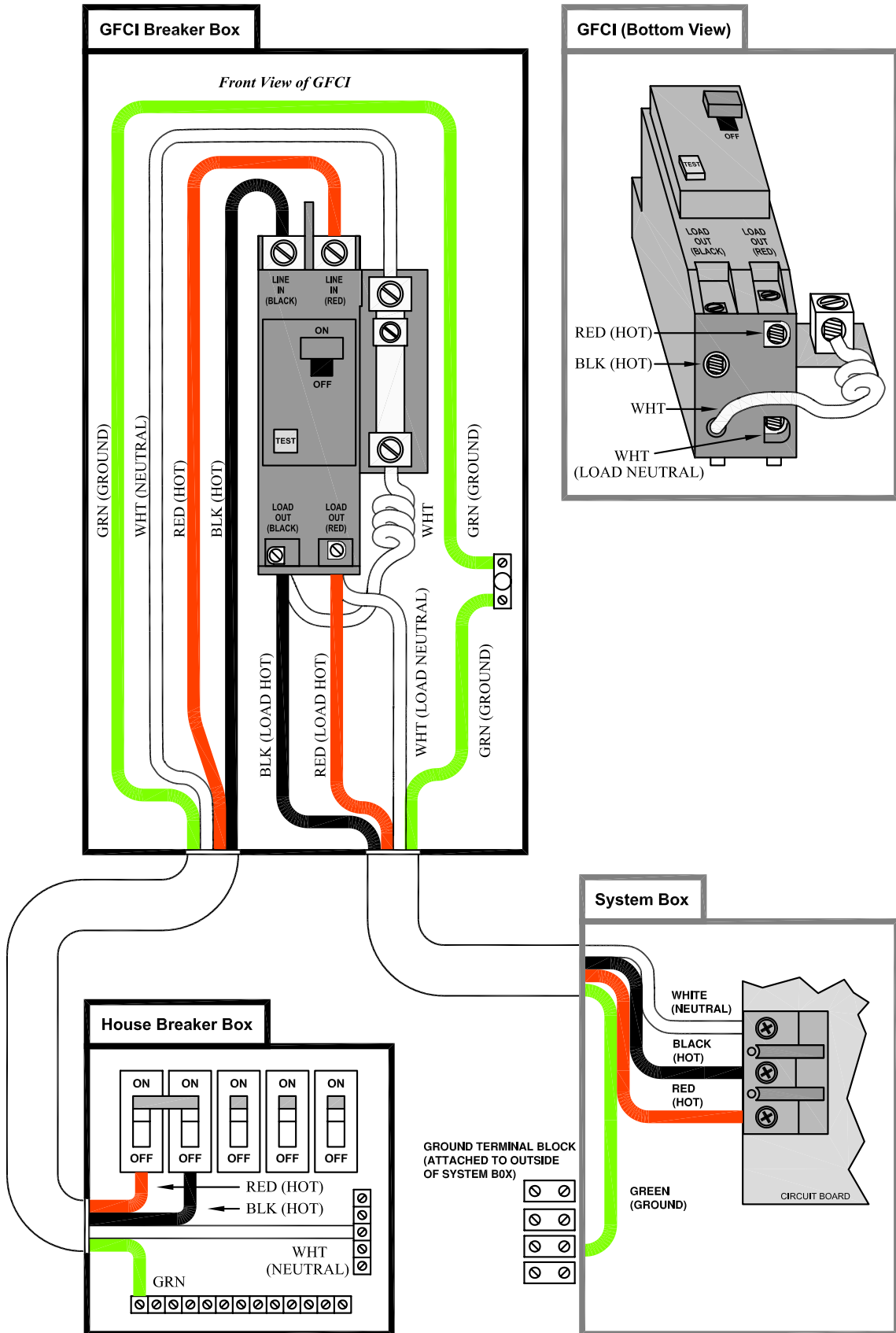
Test the GFCI plug prior to first use and periodically when the spa is powered. To test the GFCI plug version, follow these instructions. (Spa should already be plugged in and operational.)

1. Press the TEST button on the GFCI. The GFCI will trip and the spa will stop operating.
2. Reset the GFCI breaker by switching the breaker to the full OFF position, wait a moment, then turn the breaker back on. The spa should have power again.

## System/Pump Wiring Table

Control System	Pumps	GFCI Required	Wires Required
VS300	1 Pump	One 40 amp GFCI	Four #8 AWG copper wires
VS5100	2 Pump	One 50 amp GFCI	Four #6 AWG copper wires

# GFCI Wiring Diagram (Balboa)



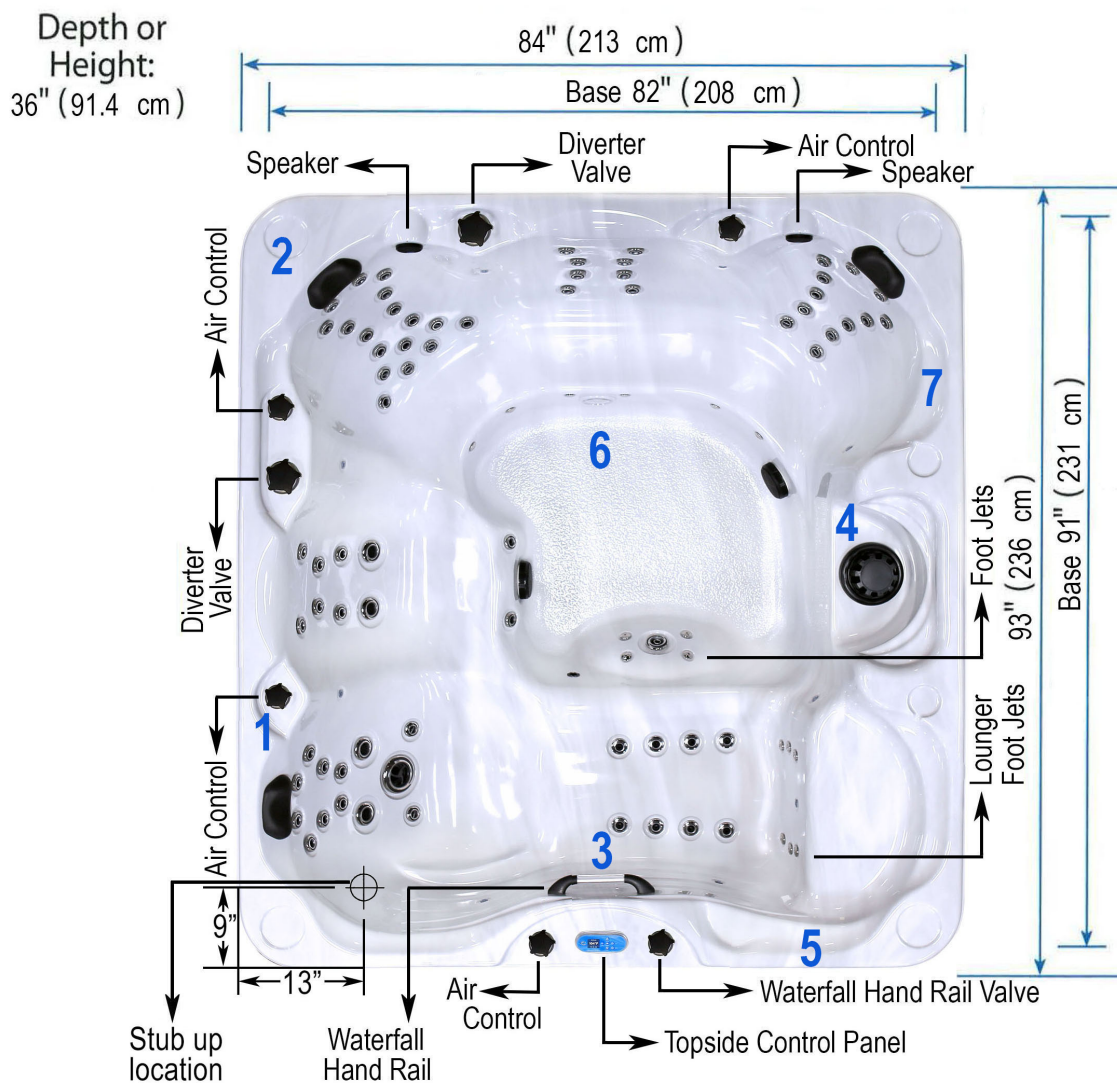


# Serenity Layout



## Serenity 85 Spa Layout

36"H x 93"L x 84"W (approx.)



Locations of spa components. Remove cabinet panels and corners to access components.

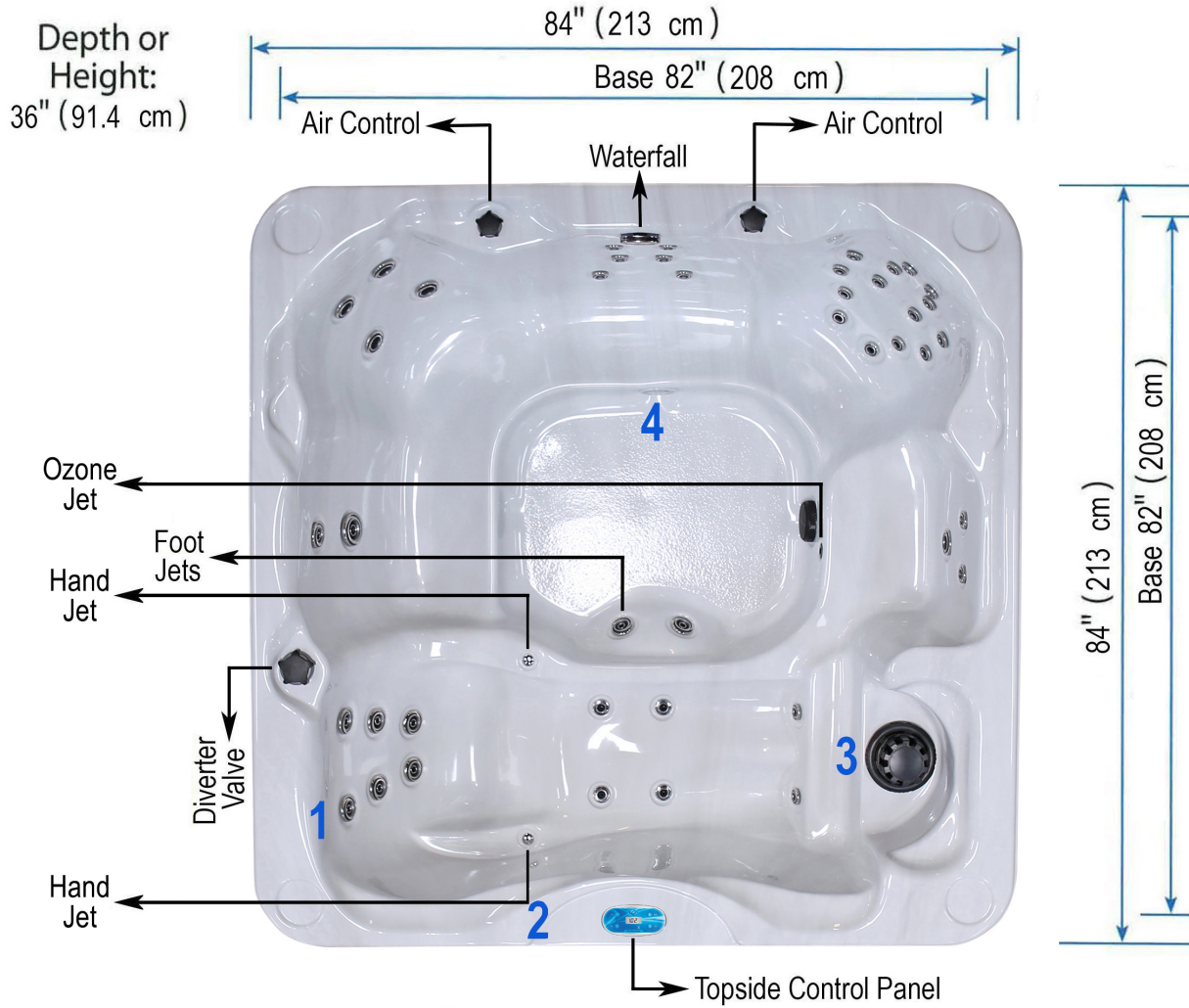
- 1** Pump 1
- 2** Pump 2
- 3** Electrical Power System
- 4** Skim Filter
- 5** Water Drain Valve
- 6** Multicolor LED Light
- 7** Subwoofer

# Tranquility Layout



## Tranquility 45 Spa Layout

36"H x 84"L x 84"W (approx.)



Locations of spa components.  
Remove cabinet panels and corners to access components.

- 1** Pump 1
- 2** Electrical Power System
- 3** Skim Filter
- 4** Multicolor LED







**Customer Service Contact Information**

For customer service questions and information  
please contact us:

Toll Free: 1-800-225-7727

OR

e-mail: [customerservice@ochottubsinfo.com](mailto:customerservice@ochottubsinfo.com)

Monday-Friday 8:00am - 4:30pm PST

**[www.ochottubsinfo.com](http://www.ochottubsinfo.com)**