



***Congratulations on your decision to enjoy the finest Aquatic Fitness System available...  
Welcome to the growing family of ENDLESS POOLS 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 system. The following sections are guidelines on how to prepare for delivery and set-up of your new system. Specifically covered are site selection, delivery access, ground preparation, and electrical requirements.

Remember to carefully review the Owner's Manual that accompanies your system, and to register the system's warranty within 10 days of delivery. These items, along with other valuable information, will be found in the Owner's Package which has been placed in the equipment compartment of your system, where you will also find its serial number.

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

DATE PURCHASED: \_\_\_\_\_

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 **Aquatic Fitness System** may be equipped with a locking cover that meets the ASTM F1346-91 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 **ENDLESS POOLS** 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 **ENDLESS POOLS** dealer if you have any questions.

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

- Always put your system on a structurally sound, level, and even surface. A filled system can weigh a great deal. Make certain that the location you choose can support the weight of your filled system.
- Locate your Endless Pools Fitness system 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 Fitness System, including the siding and cover. This type of damage is not considered a manufacturing defect, and therefore **NOT COVERED UNDER FITNESS SYSTEM'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.
- Never let water get into the subpanel. Your subpanel is raintight when installed correctly with the door closed.
- Leave access to the equipment compartment for periodic system care and maintenance.

## OUTDOOR AND PATIO INSTALLATION

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

If you install the system outdoors, a reinforced concrete pad at least six inches thick is required. The reinforcing rod or mesh in the pad should be attached to a bond wire (see your Owner's Manual). All Aquatic Fitness System may be installed onto a deck, provided that the load capacity of the deck is greater than the dead weight of the system (see Deck Installation).

## DECK INSTALLATION

To be certain your deck can support your system you must know the deck's maximum load capacity. **Consult a qualified building contractor or structural engineer before you place the system on an elevated deck.** To find the weight of your system, its contents and occupants, refer to the System 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 system indoors. Water will accumulate around the system, so flooring materials must provide a good grip when wet. Proper drainage is essential to prevent a build-up of water around the system. When building a new room for the system, it is recommended that a floor drain be installed. The humidity will naturally increase with the system 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 system area. Installation of a dehumidifier or exhaust fan in conjunction with an **Aquatic Fitness System** is recommended. An architect can help to determine if more ventilation must be installed.

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

## RECESSED INSTALLATION

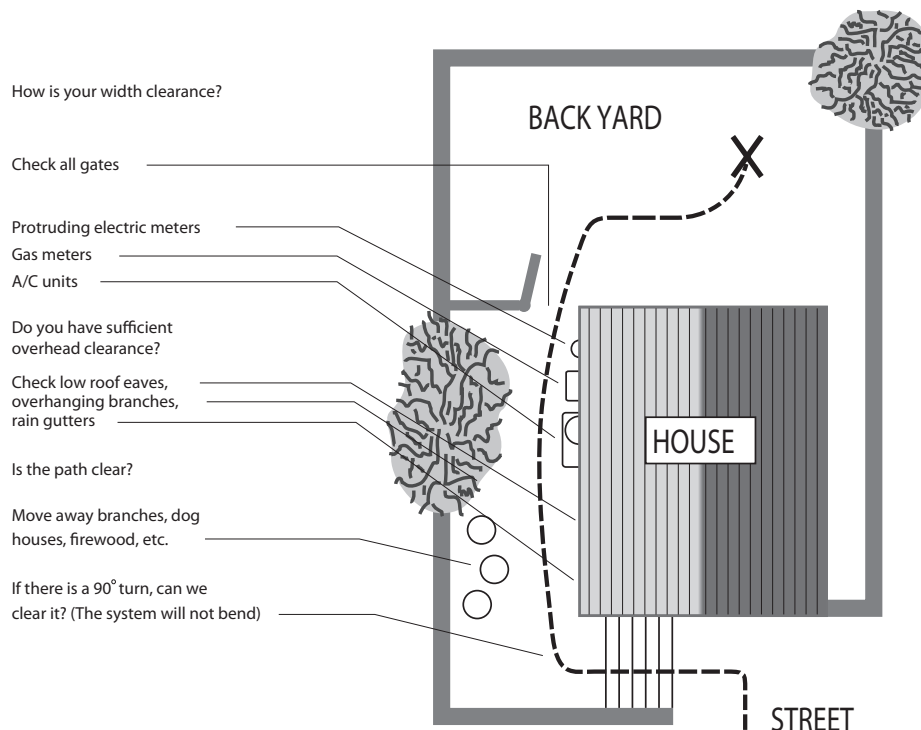
If you plan to recess your new Endless Pools Fitness system in a deck, patio, or other hardscape element, there are a few items to consider during the preparation process. Like other installations, it is important to have a solid foundation that will support the Fitness System. It is also important to check the blueprints of your property to ensure no underground power cables, phone lines, or water pipes will be affected by the recessed installation. We recommend there be at least 36" of crawl space access outside of your Fitness System equipment compartment for maintenance. In addition, we recommend at least 30" of clearance around the entire perimeter of the Fitness System measured horizontally from the side of the unit to any perimeter surface to avoid being required to bond the unit to a bonding mesh in the ground and perimeter walls. This can be in the form of a crawl space. Don't forget to define the location of the subpanel, a minimum of 5 feet away from the Fitness System. Finally, it is important to install your Fitness System in a way that will protect it from rising water levels. Keep in mind, recessed installations can be susceptible to flooding and should have adequate drainage. A contractor or architect should be able to make specific recommendations on proper drainage as well as the other items to consider above.

# DELIVERY ACCESS

It may be necessary to remove a gate, part of a fence, or other movable obstructions in order to move the system to its installation site. Your system will determine what equipment is necessary to move your system to its final location. A roll back truck with a tilt bed is a good option if your site can be accessed by an across road vehicle. When a small reach is needed for the final placement of your system, a boom truck is ideal. A telehandler vehicle can off load, traverse property and place your system in a more challenging situation or terrain. When access to your site is limited a crane may be used to lift your system over obstructions for precise placement.

In most cases, the ENDLESS POOLS delivery personnel will supervise the crane delivery and complete the system installation. Contact your sales associate for further information. **NOTE:** If your system delivery requires the use of a crane, you may be required to pay for its services at the completion of the delivery.

<i><b>Model</b></i>	<i><b>Width W</b></i>	<i><b>Length L</b></i>	<i><b>Height H</b></i>
<b>R200 / R220</b>	7'5"	12'0"	50"
<b>R500 / X500</b>	7'5"	15'0"	50"
<b>E500</b>	7'5"	15'0"	58"
<b>E550</b>	7'10"	15'0"	58"
<b>E700</b>	7'5"	17'0"	58"
<b>E2000 / X2000</b>	7'5"	20'0"	58"



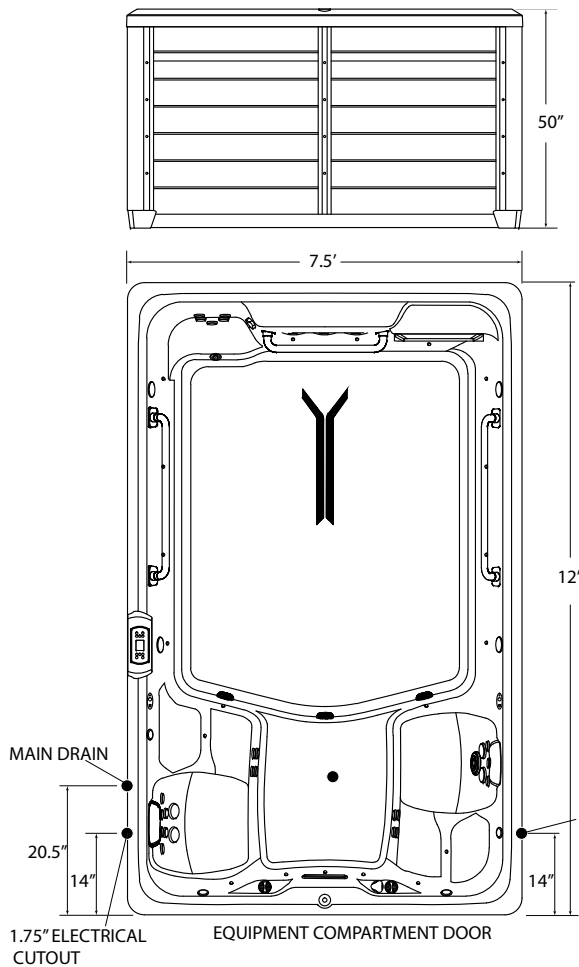
# GROUND PREPARATION

A reinforced concrete pad at least six inches thick or a deck that is able to withstand more than 250 lbs. per square foot is required for the **Aquatic Fitness System**. As a homeowner, it is your responsibility to provide a suitable, level foundation for your system. Keep in mind that most delivery crews are not equipped to level and prepare system sites.

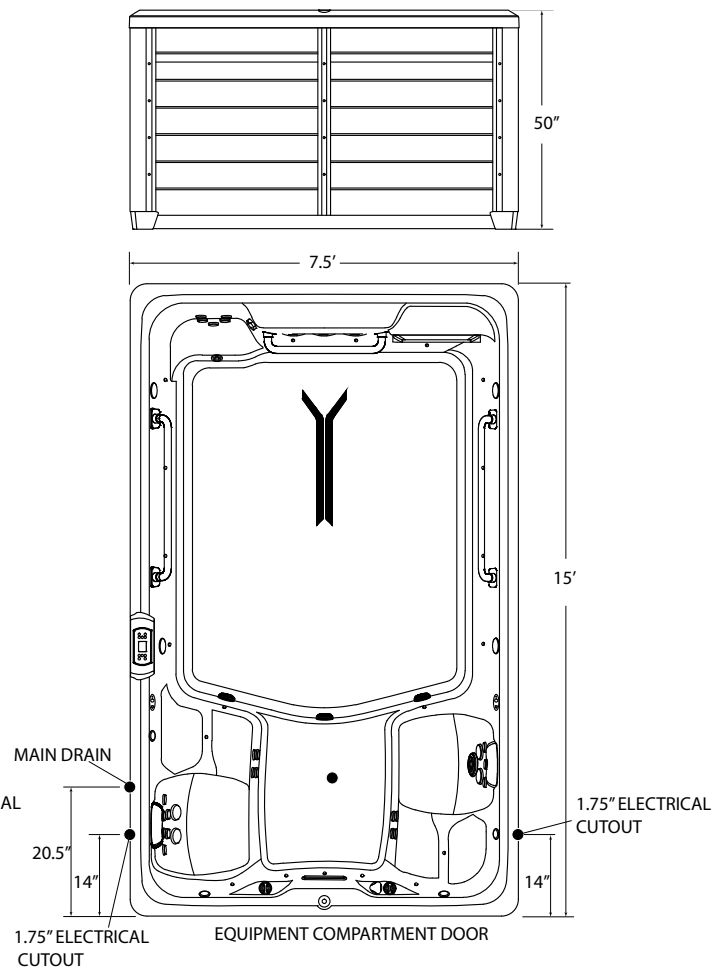
If you are interested in having a concrete slab, your **ENDLESS POOLS** dealer should be able to suggest a qualified, licensed contractor.

**NOTE:** In order for the system to operate properly and the internal plumbing to drain completely, you must ensure that the system is level.

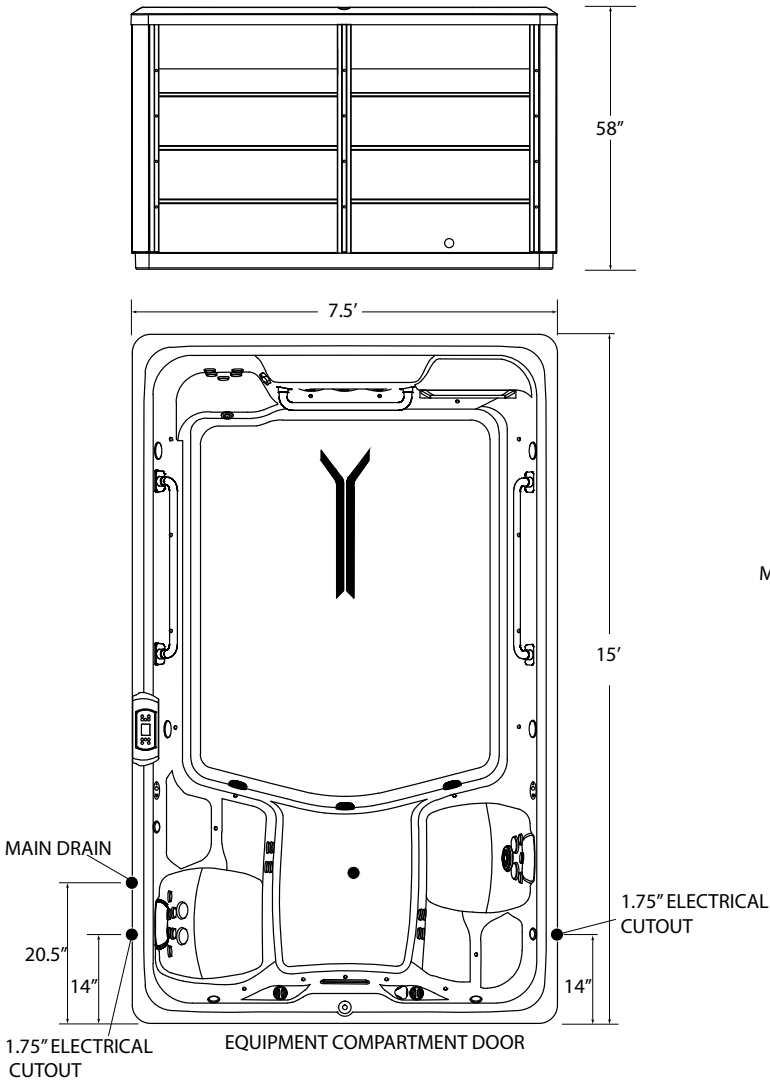
R200  
R220



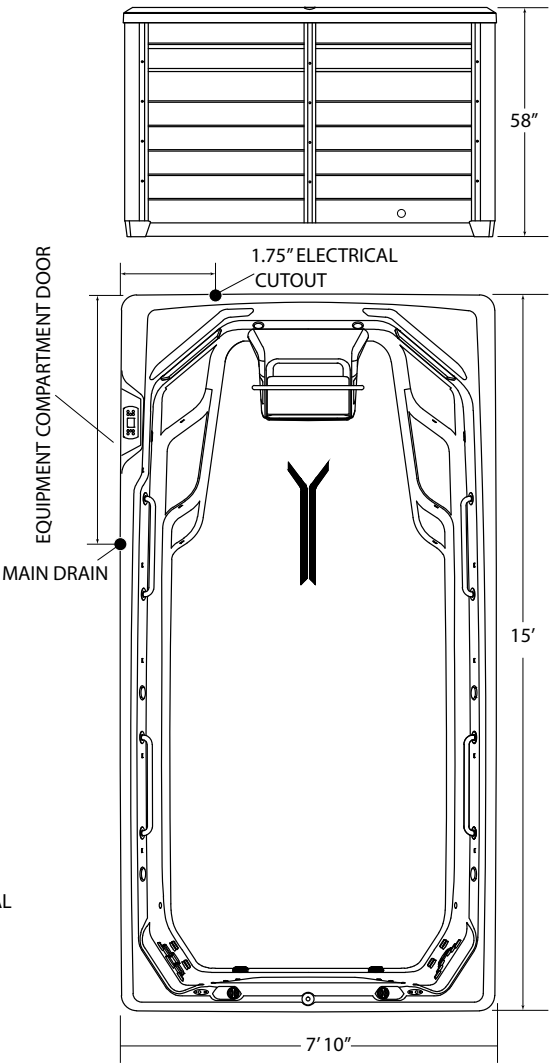
R500  
X500



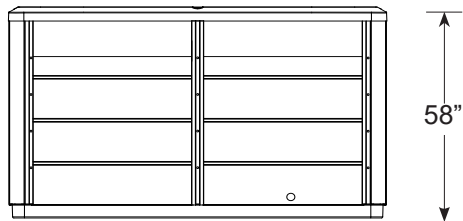
E500



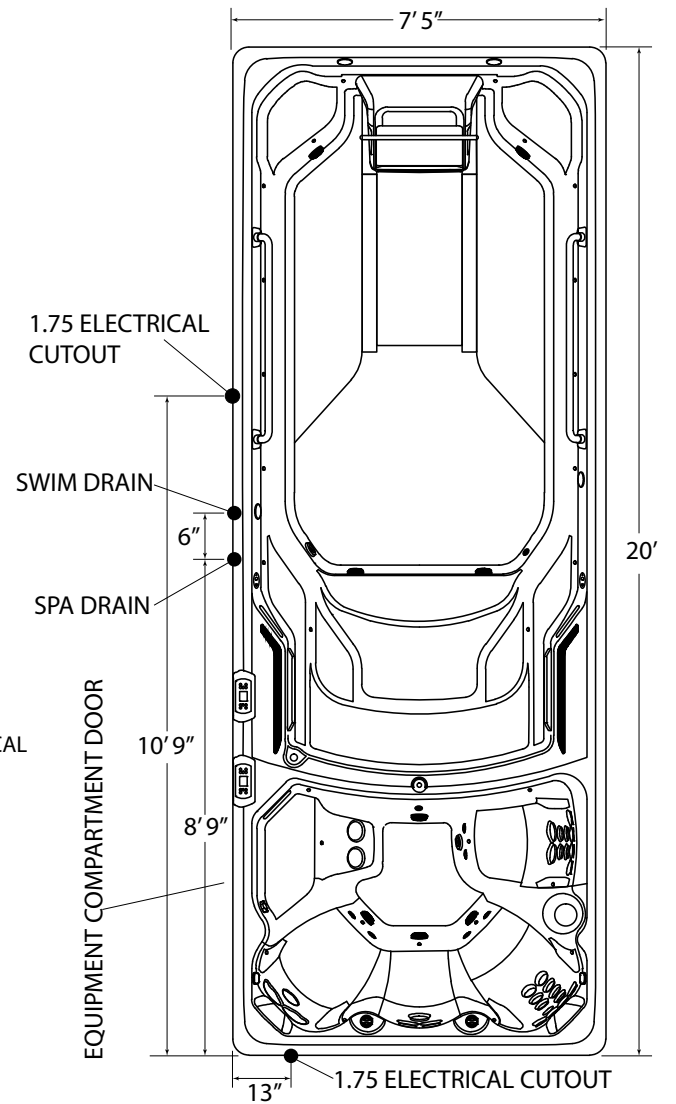
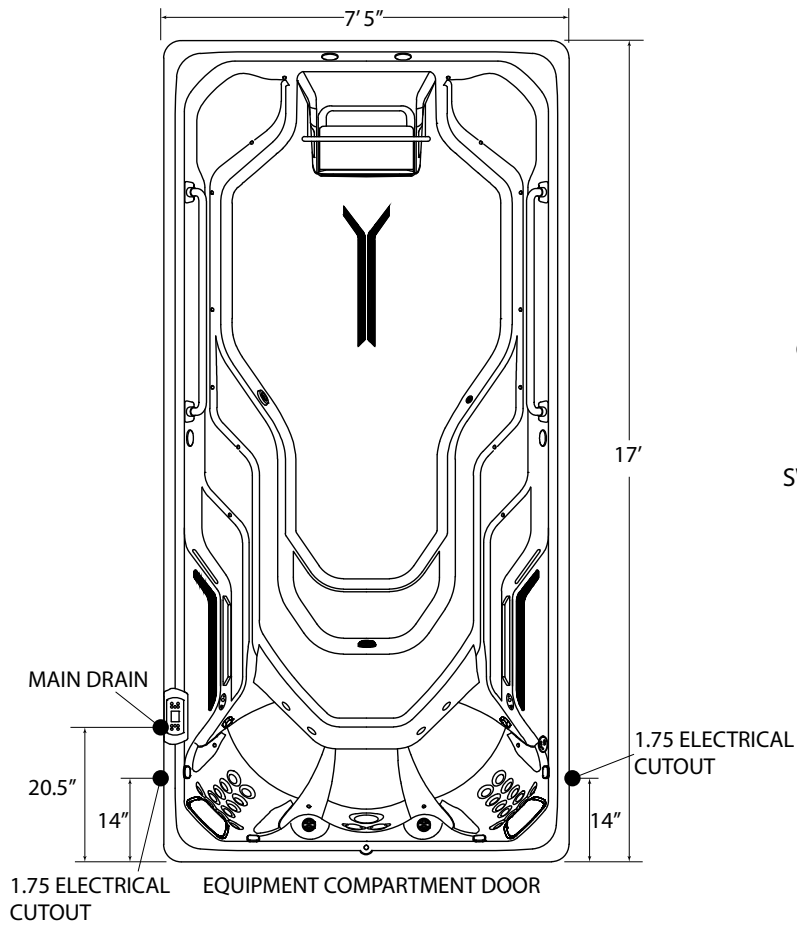
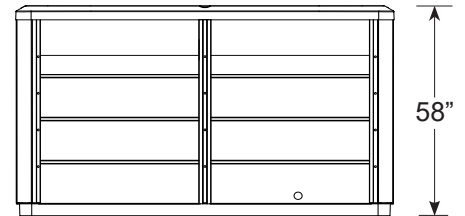
E550



E700



E2000  
X2000



# ELECTRICAL REQUIREMENTS

To ensure you will have an opportunity to use your system 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.

All X and E models require a 60 amp, single phase, 230 volt circuit breaker, R model require a 30 amp 230 volt breaker in the main electrical service panel.

All **Aquatic Fitness System** must be wired in accordance with applicable local and national electrical codes, all electrical work must be done by a licensed electrician.

**NOTE:** Watkins Manufacturing Corporation REQUIRES THE USE OF A SUBPANEL TO SUPPLY POWER AND PROTECT THE SYSTEM. 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 system per the appropriate wiring diagram as illustrated below.

The grounding conductor must be at least #6 AWG. Your electrician should mount the subpanel in the vicinity of the system but it should not be closer than five (5) feet from the system water edge (NEC 680-38 to 41-A-3).

**INSTALLATION NOTE:** After the system has been installed by the dealer's delivery crew, your electrician can connect the conduit from the subpanel to the **Aquatic Fitness System** Control Box and then complete the wiring connections in the control box.

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

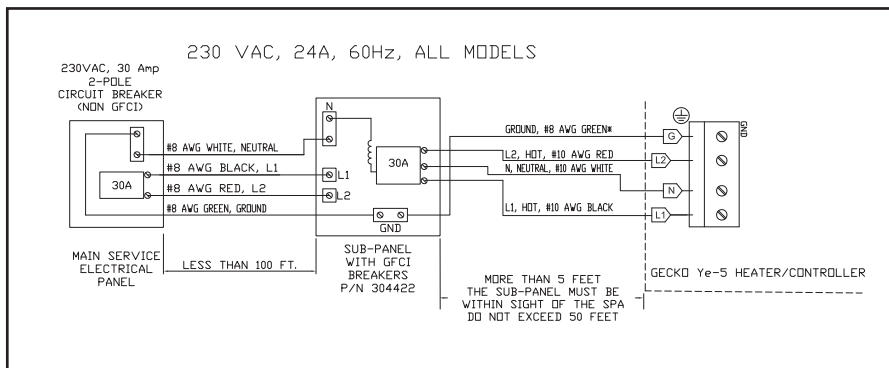
**WARNING:** Removing or bypassing the GFCI breakers in the subpanel at any time will result in an unsafe system and will void the warranty.

**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.

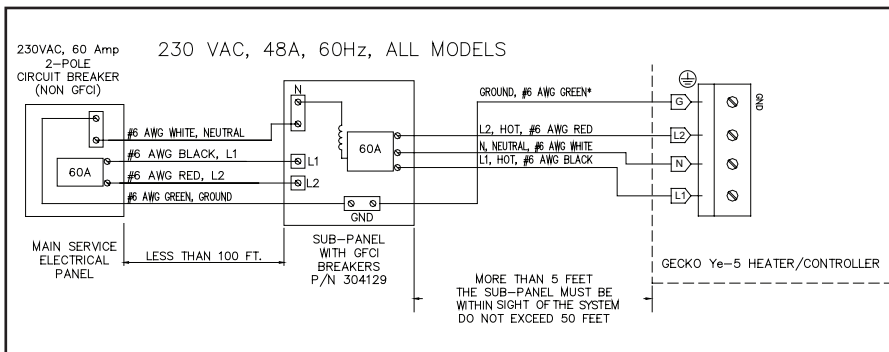
Refer to the Wiring Diagrams below for the electrical requirements this model.

When connecting the supply conduit, use a liquid-tight flex conduit fitting.

## R200 / R220 / R500

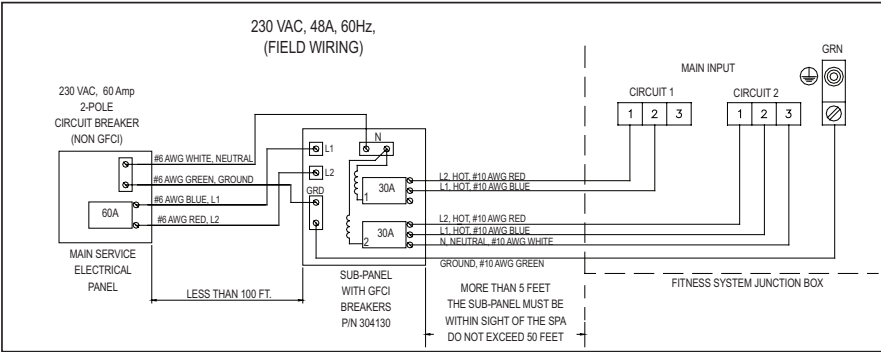


## X500

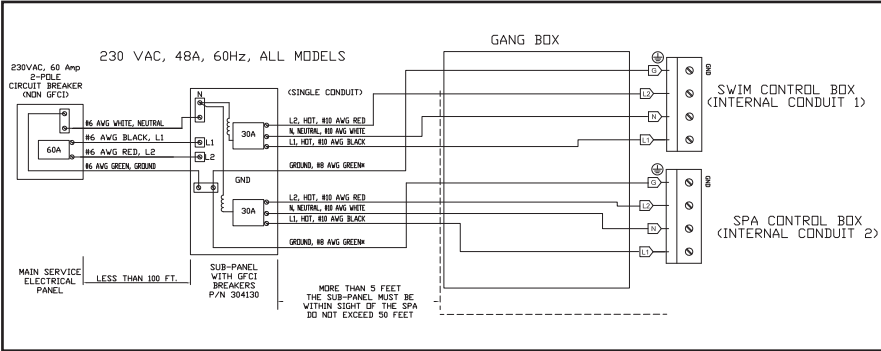


# ELECTRICAL REQUIREMENTS

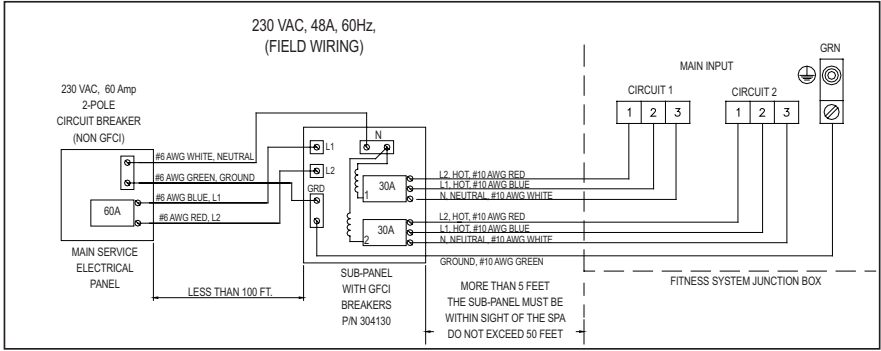
## E500 / E550 / E700



## X2000



## E2000





# System Specifications

	Footprint Dimensions	Height	Effective Filter Area	Heater (Watts)	Water Capacity	Surface Water Area Square Feet	Maximum Depth	Dry Weight	Filled Weight	Dead Weight*	Electrical Requirements
<b>R200</b>	12' 0" x 7'5"	50"	100 Square Feet	4,000	1,335 gallons	66.6 Sq.	40"	1,845 lbs	14,720 lbs	190 lbs. per square foot	230 volt, 30 amp single phase GFCI protected circuit
<b>R220</b>	12' 0" x 7'5"	50"	100 Square Feet	4,000	1,080 gallons	66.6 Sq.	40"	1,765 lbs	12,515 lbs	190 lbs. per square foot	230 volt, 30 amp single phase GFCI protected circuit
<b>R500</b>	15' 0" x 7'5"	50"	100 Square Feet	4,000	1,785 gallons	85.9 Sq.	40"	2,055 lbs	18,675 lbs	190 lbs. per square foot	230 volt, 30 amp single phase GFCI protected circuit
<b>X500</b>	15' 0" x 7'5"	50"	200 Square Feet	4,000	1,650 gallons	81.9 Sq.	40"	2,705 lbs.	18,200 lbs	190 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>X2000</b>	20'0" x 7'5"	58"	200 Square Feet 50 Square Feet (Spa)	4,000	Swim 2,000 gallons Spa 350 gallons	Swim 80.3 Sq. Spa 27.7 Sq	48"	3,460 lbs.	24,790 lbs	250 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E500</b>	15'0" x 7'5"	58"	200 Square Feet	4,000	1,770 gallons	82.5 Sq.	48"	2,905 lbs.	19,400 lbs	205 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E500 Treadmill</b>	15'0" x 7'5"	58"	200 Square Feet	4,000	1,735 gallons	82.5 Sq.	48"	3,030 lbs.	19,235 lbs	205 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E550</b>	15'0" x 7'10"	58"	200 Square Feet	4,000	2,392 gallons	88.4 Sq.	48"	3,575 lbs	25,235 lbs	245 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E550 Treadmill</b>	15'0" x 7'10"	58"	200 Square Feet	4,000	2,360 gallons	88.4 Sq.	48"	3,700 lbs	25,110 lbs	245 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E700</b>	17'0" x 7'5"	58"	200 Square Feet	4,000	2,150 gallons	95 Sq.	48"	3,025 lbs.	22,685 lbs	210 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E700 Treadmill</b>	17'0" x 7'5"	58"	200 Square Feet	4,000	2,100 gallons	95 Sq.	48"	3,150 lbs.	22,395 lbs	210 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E2000</b>	20'0" x 7'5"	58"	200 Square Feet 50 Square Feet (Spa)	4,000	Swim 2,045 gallons Spa 290 gallons	Swim 82 Sq. Spa 27.7 Sq	48"	4,090 lbs.	25,795 lbs	200 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit
<b>E2000 Treadmill</b>	20'0" x 7'5"	58"	200 Square Feet	4,000	Swim 2,000 gallons Spa 350 gallons	Swim 82 Sq. Spa 27.7 Sq	48"	4,215 lbs.	25,545 lbs	200 lbs. per square foot	230 volt, 60 amp single phase GFCI protected circuit

**CAUTION:** Watkins Manufacturing Corporation suggests a structural engineer or contractor be consulted before the system is placed on an elevated deck.

\* **NOTE:** The "Filled weight" and "Dead weight" of the system includes the weight of the occupants (assuming an average occupant weight of 175 lbs).

## Service

### Cost

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

- Jet system
- Set temperature control
- Control panel functions

- GFCI
- Heater thermal cut-off
- Heater high limit

\_\_\_\_\_

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\_\_\_\_\_

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TOTAL

## COST

## ***Electrician***

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

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Name: \_\_\_\_\_

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Name: \_\_\_\_\_

Telephone: \_\_\_\_\_



# **Watkins**Wellness™

*Feel good. Live well.™*

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