

The Model Z120 Whirlpool Spa Specifications

The Model Z120, by Asteria is a spacious octagonal whirlpool spa which will seat six people comfortably with room to spare. Designed to provide the revitalizing hydromassage for which Jacuzzi Whirlpool Bath is famous, the Model Z120 features eleven directionally adjustable jets.

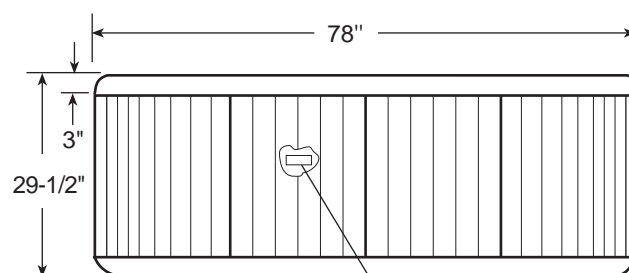
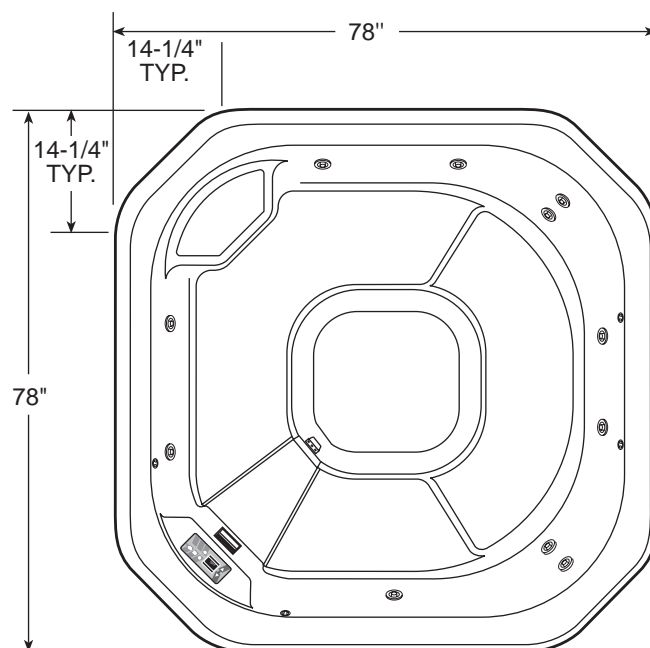
For convenience, a clearly labeled control panel allows push-button control of the integrated heater, light, and whirlpool functions, as well as thermostatic control of water temperature from inside or outside the spa. Also, the Silent Air Induction feature may be adjusted by means of control knobs located next to the control panel. A fully programmable schedule can be set automatic control of temperature.

The Model Z120 features a patented front load skimmer/filter which makes up the 25 square feet filtration system. This system has been designed by Asteria Company to allow easy access to the filter cartridge without having to drain the spa or open the skirt door. The spa shell, which is foam insulated to save energy costs, is tastefully surrounded by a handsome factory installed redwood skirt.

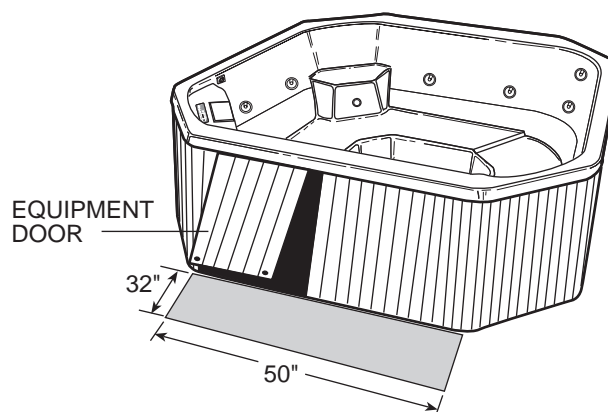
The compact Model Z120 is easy to install. The spa requires a separate 115 VAC, 20 AMP, grounded circuit and is equipped with a Ground Fault Circuit Interrupter (GFCI) incorporated in the line cord. The equipment of the Model Z120 is mounted within the perimeter of the shell. To protect the spa from debris and to reduce heat loss, a rigid insulating spa cover is available. The Model Z120 is available in several lustrous acrylic colors.

Positioning Your Spa

You can locate the Z120 just about anywhere you wish—on a deck, patio, or even indoors. Be sure to position it above ground in an area with good drainage and on a level, continuous surface which can support the weight of the spa when filled with water and people. This weight is approximately 3850 pounds (98 pounds per square foot). You must also provide access to the spa's equipment for service and general maintenance.



SERIAL NUMBER LOCATION



DIMENSIONS	WHIRLPOOL MOTOR/PUMP	OPERATING GALLONAGE	ELECTRIC HEATER	PRODUCT WEIGHT	SHIPPING WEIGHT	ELECTRICAL REQUIREMENTS*
78" (1981 mm) L 78" (1981 mm) W 29-1/2" (749 mm) H	2.0 HP 2 speed (0.7 kW) 115 VAC 1725/3450 RPM Single Phase 60 Hz	300 U.S. gal (1136 liters)	1.25 kW	430 lb (195 kg)	655 lb (297 kg)	115 VAC 20 AMP, 60 Hz Separate Circuit

Product specifications are subject to change without notice.

*Unit may be field converted to 230 VAC, 50 AMP, Separate Circuit.

(OVER)

Electrical Conversions

Your spa, as it comes from the factory, requires a 115 VAC, 20 AMP, electrical service with copper conductors, and must be in a separate circuit having no other appliance connected in that circuit. If you do not have this kind of circuit, a qualified electrician should be called in to install the necessary wiring. Inadequately sized wiring may cause a malfunction and bring about permanent damage to the spa's electrical system. The circuit must also have a ground wire in order to take advantage of the designed-in safety features of the spa. A bond wire must also be used. Bond according to procedure described in the owners manual.

CAUTION: Without proper grounding and bonding, a system malfunction may cause fatal shock.

To increase the heating capability of your spa's heater and convert the output from 1.25kW to 5.5 kW (21 AMP), your spa can be hard-wired on-site in approved conduit (or with approved power cable) to operate at 230 VAC, 50 AMPS. This requires a separate GFCI protected circuit which will not be shared by any other appliance. We recommend that this rewiring be done by a qualified electrician. A wiring diagram is provided on the inside the electrical cabinet adjacent to the terminal block. When this conversion to 230 VAC has been made, any combination of operating modes is possible, including having the heater on when the whirlpool mode is activated. Also, the heat up rate will be approximately four times greater.

To convert to 230 VAC, 50 AMP operation:

1. Turn OFF 20 AMP breaker at main electrical panel.
2. Open the skirt door access panel.
3. Loosen and remove 4 screws securing the electrical cabinet cover and set them aside.
4. Loosen screws at bottom side of terminal block and remove power cord cable clamp. Remove and discard GFCI power cord. Refer to Figure 1.
5. Install 230 VAC 4-wire power cord in accordance with local code requirements. Insert the wires into the left hand side of the terminal block and tighten the screws. Refer to Figure 1.
6. Loosen the screw on the right hand side of the terminal block. Move the red wire from position 1 to position 4. Tighten the screw. Refer to Figure 1.
7. Move the jumper at circuit board location J9 from top 20A position to bottom 50A position. Refer to Figures 1 and 2.
8. Replace electrical cabinet cover and tighten screws. Refer to Figure 3.
9. Make sure spa is filled with water to proper level. Turn ON 50 AMP GFCI breaker at the main electrical panel.
10. Test GFCI for proper operation.

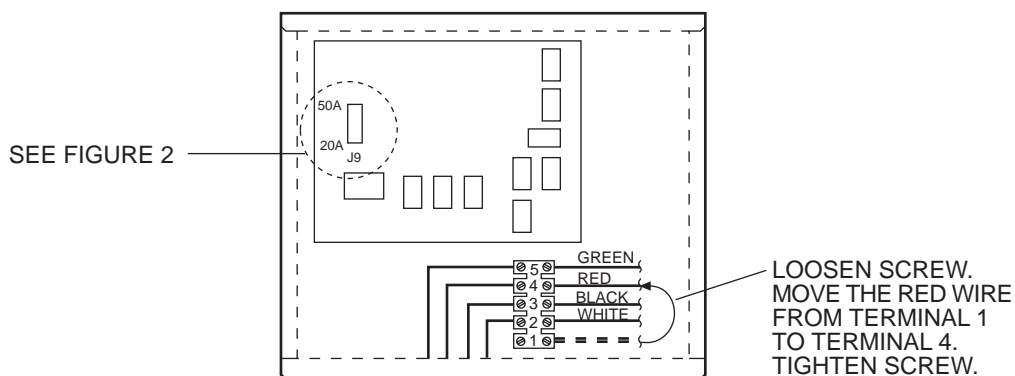


FIGURE 1

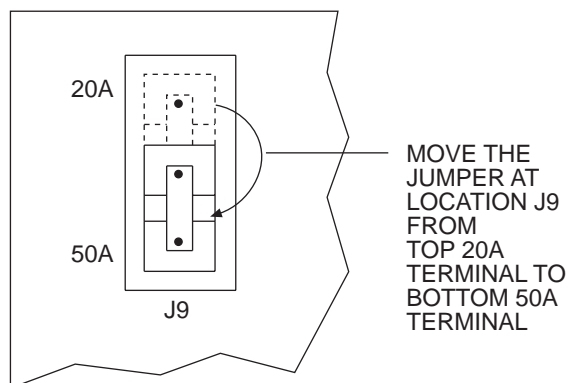


FIGURE 2

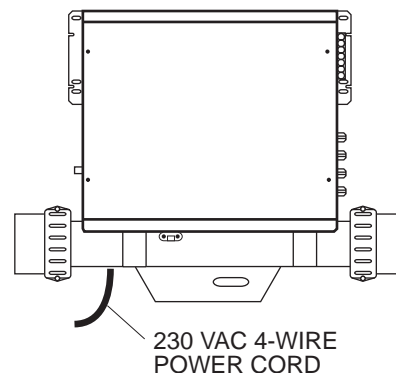


FIGURE 3

