



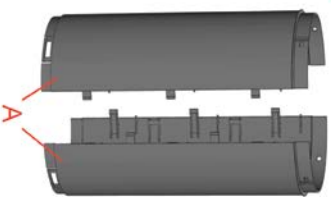
OWNERS MANUAL



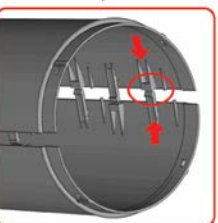
Please Read and Save These Instructions

ASSEMBLY INSTRUCTIONS

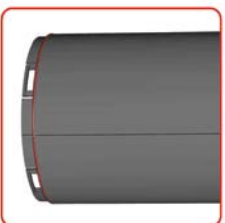
1



- Take parts "A" (2 air stack parts);
- Align all the snaps on both sides;
- Snap the 2 parts together;



2

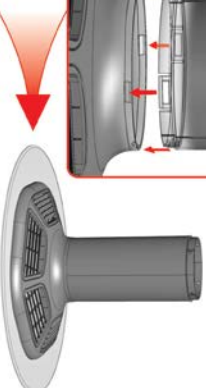
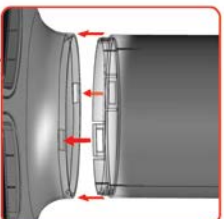


- Take the part "B" (rubber O-ring);
- Slide it into place on the bottom edge of the assembled air stack;

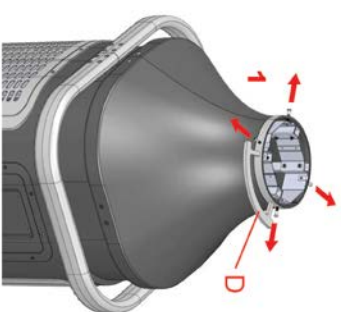
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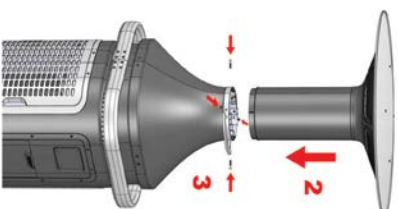
- Take part "C" (the Top) out of the box and put on the floor, as pictured;
- Align all 4 straps of the air stack (the side with an O-ring) to the corresponding tabs of the Top;
- Snap the 2 parts together;



4



- Take the main body out of the box;
- Take the screws out to loosen the Handle "D" (1);
- Align the openings in the air stack with openings in the main body, make sure that the part lines align as well (2);
- Lower the air stack onto the main body, secure the screws (3);



UNIT OVERVIEW

SAFE OPERATION

To reduce the risk of electric shock, fire or injury:

- Do not operate any unit with a damaged cord or plug. Discard unit or return to an authorized service facility for examination and/or repair.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area where it will not be tripped over.
- Read instructions and labels carefully.
- Always unplug the electric cord to the Port-A-Cool unit before performing inspections or repairs.
- Plug into three-prong grounded GFCI protected electrical receptacle only.
- Do not operate if there is any damage to the plug or cord.
- Do not step on or roll over power cord with heavy or sharp objects.
- Do not operate unit unless all pads are securely in place.
- Remove the plug from the electrical receptacle by pulling on the plug and not the cord.
- Test the GFCI receptacle or breaker monthly to ensure it is functioning properly.
- Do not operate near open containers of flammable liquids or gases.
- Never wash the unit cabinet with a garden hose; water may harm the motor and electrical system.
- If the unit is damaged or it malfunctions, do not continue to operate it. Refer to the warranty, troubleshooting or FAQ section, call Port-A-Cool, LLC, Technical Support at 1-888-266-5243, or email support@port-a-cool.com.

SETUP

Unpacking the PORT-A-COOL Islander™ unit.

TOOLS REQUIRED: HEX KEY (ALLEN WRENCH) that is provided in the product packaging

PORT-A-COOL Islander™ units are shipped partially assembled in three pieces. Cut the straps and remove Box 1 from the base of the unit by lifting it up. Remove the protective plastic dust cover and lift the unit off the pallet. Cut the straps from Box 2, containing the air stack. Remove the packing material and lift from box. Cut the strap from Box 3 and remove the top from the packaging material. Place the top on top of the air stack and secure using including screws. Fit the assembled pieces on top of the base and secure using included screws.

Connecting the water and electricity.

Water Connection

PORT-A-COOL ISLANDER™ UNIT MUST BE IN UPRIGHT AND LEVEL POSITION

Locate the brass hose adapter on the side of the unit near the water adjustment and drain valves. Verify that the hose washer is in position and in good condition. Attach a standard garden hose to the brass hose adapter and tighten to preclude leaks. Turn water on to fill the sump tank.

The PORT-A-COOL Islander™ model also includes a manual fill option. To fill the tank manually, slide out the drawer located next to the hose adapter mentioned above and fill with water. Close the drawer and the unit is ready for operation.

Visually inspect water connections for leaks and verify that the connections are secure. Remove the pads by following the instructions in this owners manual. Once the sump tank is filled, the water flow should cease and the inlet connections may now be visually checked for leaks. All of these inspections have been performed at the factory but shipping may have caused connections to loosen. Replace the pads by reversing the removal operation.

Electrical Connection

PORT-A-COOL ISLANDER™ UNIT MUST BE IN UPRIGHT POSITION WITH COOLING PADS INSTALLED!

This model utilizes a single power cord and control panel. Before connecting the plug to an outlet, ensure that there is no standing water where the cord may lie or the operator is standing. The use of separate multiple outlet devices are not recommended.

When making electrical connections, ensure that local and national codes are adhered to. Use only with GFCI Protected Receptacles. Please refer to the [Barcode Product Label](#) on the side of the unit for specific electrical requirements.

OPERATING PROCEDURES

Specifications

The PORT-A-COOL Islander™ cooling unit includes the following specifications:

Speeds	Variable
Air Delivery CFM	2,500
Total Amps	10.8
Water reservoir	20 gallons
Dimensions	88" h x 38" w x 38" d
Unit weight	165 lbs.
Shipping weight	225 lbs.
Box Size	65" h x 40" w x 34" d
Cooling Capacity	360° radius airflow

Please ask for additional specifications, if required, from your distributor, check the serial number plate, or visit www.port-a-cool.com for the specifications for your Port-A-Cool Islander™ unit.

Placement of the PORT-A-COOL Islander™ unit.

There are three primary considerations when deciding where to place the PORT-A-COOL Islander™ unit.

A primary consideration is the direction of the airflow. The PORT-A-COOL Islander™ unit creates a fan-shaped air pattern that concentrates cool air flow in a vertical pattern from the multiple louvers located in the bonnet. This pattern may be disturbed or broken up by obstacles such as shelves, work benches, etc. It is important to ensure that a clean, unbroken path for the air from the unit is provided to the maximum extent possible.

The unit must be level and in the upright position. When supporting with a platform, allow for the full weight of a functioning unit by including the weight of the water, both in the sump tank and the added weight of the water saturated cooling pads. The total weight could be in excess of 500 lbs. (227 kg.).

When the PORT-A-COOL Islander™ unit is placed near a wall or other obstruction, it is recommended that a distance of at least 3 feet (1 meter) from the wall or obstruction to the face of the cooling pads be maintained. This allows the unrestricted flow of warm air to the cooling pad side of the unit. When using multiple units in close proximity, be sure to aim the unit so that the air flows complement each other and not oppose. Opposition will negate the airflow and allow an area of dead air to accumulate between units.

Starting the pump and adjusting the water flow

Once the water tank is full, setting the pump to "ON" will turn on the pump. When initially turning on the pump, the level in the tank will drop suddenly and restart the flow of supply water. This is a normal condition, as the cooling pads require a large amount of water for proper wetting. When the PORT-A-COOL Islander™ unit is first operated, the new pads will require an initial 'breaking-in' period. This period is required for the pads to begin readily absorbing water. It may require up to a week to achieve maximum efficiency.

It is important to ensure that the spray bar is properly adjusted when first starting the water flow in the PORT-A-COOL Islander™ unit. Increasing the flow using the **SPRAY BAR ADJUSTMENT** valve on the side of the unit makes this adjustment. Proper water adjustment should leave the pads saturated with water, but not flooded. Pads should appear wet, however, cascading amounts of water can actually reduce cooling efficiency. Proper adjustment will prevent problems and increase cooling capacity. When turning the unit off at the end of the day or week, the pump should be turned off about 15 minutes before the unit to allow the cooling pads to dry. This will increase the life of the pads.

Starting the unit (COOLING PADS MUST BE INSTALLED)

Start the fan by turning the fan switch to the 'ON' position, or to one of the available speeds on the multi-speed models. On the multi-speed model, it is preferred to step slowly through the speeds allowing the fan to obtain its full speed at the LOW speed before going to MEDIUM and before going to HIGH.

MAINTENANCE & STORAGE

Very little maintenance is required on the PORT-A-COOL Islander™ unit. Cleanliness is the most important part of a maintenance program. Keeping the unit clean will do more than any other single item to keep your unit in peak operating condition. The rugged, corrosion-resistant construction of the unit and industrial grade components ensure low maintenance characteristics. In excessively dusty or dirty environments, optional filters are available from your distributor or at www.port-a-coolparts.com

Daily Maintenance

Daily maintenance is an operational routine rather than actual maintenance. On a daily basis, the pump should be turned off approximately 15 minutes before the fan is turned off. This will allow the cooling pads to dry out and extend their life. This also helps to control the growth of mildew, mold, bacteria and other odor causing elements.

Weekly Maintenance

At the end of the week or at a scheduled time, the unit should be shut down and the sump tank should be drained. Closing the Spray Bar Adjustment Valve and opening the Drain Valve will accomplish this. If desired, a hose may be attached to the Drain Valve to direct the drained water to a remote disposal area. Once the Drain Valve is open, starting the pump will drain the unit. When the pump has removed most of the water, a small amount will be left in some areas. Removal of the drain plug will accomplish the same results without the use of the pump.

Once the sump is drained and the power disconnected, the pads may be removed to allow inspection and cleaning of the sump tank. Dust may collect in the sump tank over time. This dirt, and any remaining water, may be vacuumed out using a wet/dry shop vacuum and wiped clean with a cloth. Also, inspect and clean the Inlet Strainer located on the bottom of the pump. Replace pads in correct airflow direction, referring to the label on the pads.

Storage

- 1) Drain all water from the sump tank and clean, ensuring that the pads and sump are completely dry.
- 2) Roll up the electrical power cord and secure it to ensure that it will not be rolled over, tripped over, or caught in equipment.
- 3) Cover the unit completely to prevent dust build-up and store in a dry area. This also helps to prevent damage to the pads. Optional dust covers are available from your distributor or at www.port-a-coolparts.com.

TECHNICAL SUPPORT

Technical support and service is available directly from your distributor or call PORT-A-COOL, LLC Technical Support Hot Line at 888-266-5243 for the distributor nearest you. You may also contact the Support Hot Line for consultation on troubleshooting and parts replacement.

Please have serial number and model number of unit available.

WARRANTY AND REPLACEMENT PARTS

Port-A-Cool® Unit Limited Warranty

For one year from date of installation, PORT-A-COOL, LLC warrants any original component part or parts of the PORT-A-COOL® evaporative unit found, upon examination by factory-authorized personnel, to be defective in material or workmanship, excepting, however, that the high-performance, fan motor utilized as a component of the Port-A-Cool® HP portable evaporative cooling unit shall be warranted by PORT-A-COOL, LLC for a period of three years from the date of installation. All transportation charges on parts submitted for replacement or repair under this warranty must be borne by the purchaser. If said equipment develops such defects within this period, it will be repaired or replaced at our option. For breach of any implied or written warranty on this product, PORT-A-COOL, LLC., shall not be liable for any incidental or consequential damages. This warranty is declared void if the equipment is found to have been misused, abused or tampered with by unauthorized personnel.

Due to warranty limits placed on our products by the original manufacturers, our warranty is limited on manufactured units and their original component parts as well as replacement parts to a total of one (1) year after the date of installation, with the above noted 3-year warranty relating to the high-performance fan motor utilized as a component of the PORT-A-COOL® HP portable evaporative cooling unit being the only exception.

Returned Merchandise Authorization (RMA) Procedures

All Port-A-Cool® units, parts, or materials being returned to PORT-A-COOL, LLC for warranty replacement or repair require an RMA (Return Merchandise Authorization) number.

Warranty parts can be replaced by:

1. The distributor can purchase the part with an RMA number and will only be charged for the cost of the part, not for the shipping. When the defective part is returned freight paid, the distributor's account will be credited for the cost of the part.
2. The customer / distributor can call Tech Support to get an RMA number to send the defective part back to PORT-A-COOL, LLC. Once the part is received by PORT-A-COOL, LLC, a replacement part will be sent at no charge.

Information needed to get an RMA number:

1. The unit serial number.
2. The unit model number (ex. PAC2K363S)
3. The part number or description of the part to be replaced.

Only major component parts need an RMA number, i.e. fans, motors, pumps, and some plumbing parts. For replacement of small parts, the serial and model numbers are still required, but the parts do not need to be returned to PORT-A-COOL, LLC.

For warranty replacement parts call PORT-A-COOL® Technical Support at 1-888-266-5243. FAX: 936-598-1431.

Shipping Address
PORT-A-COOL, LLC
721 FM 2468
Center, Texas 75935

Mailing Address:
PORT-A-COOL, LLC
P.O. Box 2167
Center, Texas 75935

FREQUENTLY ASKED QUESTIONS

Q. WHAT IS THE BEST ENVIRONMENT FOR THE PORT-A-COOL ISLANDER™ UNIT TO PRODUCE THE MOST COOL AIR?

A. For optimum performance, the temperature should be 85 degrees F or higher and the relative humidity should be below 75%. However, PORT-A-COOL ISLANDER™ units will reduce the temperature in almost any environment, making it more pleasant.

Q. WHAT IS THE DIFFERENCE BETWEEN EVAPORATIVE COOLING AND MISTING SYSTEMS?

A. Misting units spray a shower of water into the air that will collect on people, objects, equipment, floors, etc. The PORT-A-COOL ISLANDER™ unit uses the process of evaporation to produce cooler air, but does not discharge a mist.

Q. IS AN OUTSIDE AIR SOURCE REQUIRED FOR EVAPORATIVE COOLING?

A. Yes. The introduction of outside air is what keeps the air fresh and optimizes the evaporative cooling process. The PORT-A-COOL ISLANDER™ is great for outdoor use, but can also be used in open interior areas by placing the unit next to a door or window that's slightly open.

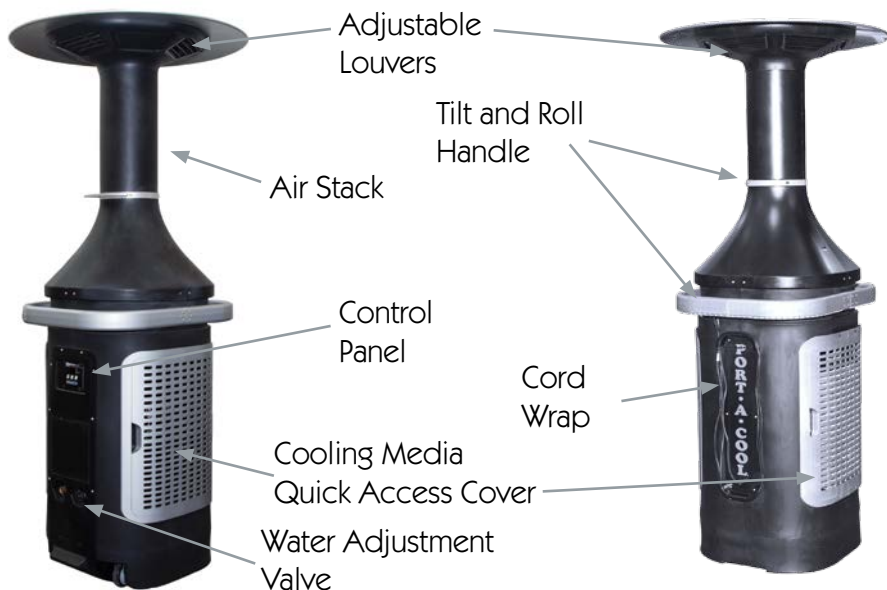
Q. WHERE CAN I BUY REPLACEMENT PARTS?

A. Unit replacement parts may be purchased from any PORT-A-COOL® product distributor or directly from Port-A-Cool® Parts/Technical Support department. You may also visit www.port-a-coolparts.com to order online.

Q. HOW OFTEN DO PADS HAVE TO BE REPLACED?

A. Depending on the quality of maintenance and frequency of use, pads typically last up to five years. However, should you have any questions about the life of the pads for your unit, please call our tech support department for more detailed information about replacing your pads.

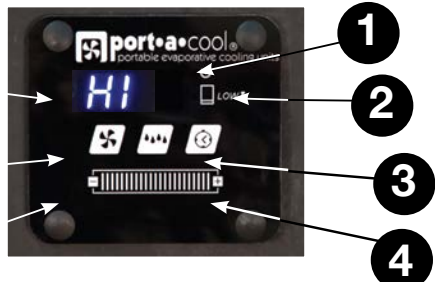
PORT-A-COOL ISLANDER™ UNIT OVERVIEW



PORT-A-COOL ISLANDER™ USER INTERFACE

The user interface includes touch sensitive buttons for operation of the Hurricane 3600. The user interface also includes status indicator LEDs and a 7-segment LED display to show the cooling unit's status.

- 1** Power
The green Power LED is illuminated when the unit is plugged in.
- 2** Water level
The red water level LED is illuminated when the float switch detects a low water level and the pump is not being allowed to turn on. This LED flashes if the pump is running during a low water occurrence to indicate that more water needs to be added in order to continue running the pump.
- 3** Timer
The controller features five pre-programmed modes which control the fan / pump sequence for a pre-defined period. Each touch of the program button cycles through the five modes: 1HR, 2HR, 4HR, 8HR, and TIMER OFF. During the program run, the user can adjust the maximum fan speed with the up and down buttons. When the program is active, the Timer LED will be on and, for five seconds, the user will be shown which program (1H, 2H, 4H, or 8H) is active.
- 4** Slider
The touch slider controls the speed setting of the fan. If the slider is touched on the "+" end of the slider spectrum, the fan speed requested is the maximum, 100% ("HI"). If the slider is touched on the "-" end of the slider spectrum, then the fan speed requested is the minimum, 33% ("LO"). A touch anywhere between the "+" and "-" of the slider adjusts the fan speed in 1% increments.
- 5** Pump
Press the pump button once to power on and again to power off. The green Pump LED is illuminated when the pump is enabled. The LED flashes slowly if continuously held and the timer is disabled.
- 6** Fan
When the fan is off, touch the Fan button once to turn the fan on in full speed. When the fan is on, touch of the Fan button again to turn the fan off. The green Fan LED is illuminated when the Fan is active. The LED flashes slowly if continuously held and the timer is disabled.
- 7** 7-Segment LED Display
LEDs are used to display the status of the cooling unit. The green Timer



LED is illuminated when the Timer button is activated in 1, 2, 4, or 8-hour modes. The LED flashes slowly if continuously held and flashes quickly if the timer is enabled and then the Pump or Fan buttons are continuously held, prompting the user to turn off the timer in order to exit fan and pump operation.

Two digits display the unit's temperature, fan speed, and timer program. If the unit does not have a temperature sensor connected, the display will constantly show fan speed. If the unit does feature a temperature sensor, then the temperature is displayed unless: a fan speed change is being called upon either by means of a slider touch or by the timer's program. When a fan speed change is requested, the fan speed will be displayed for 5 seconds before returning to the unit temperature.

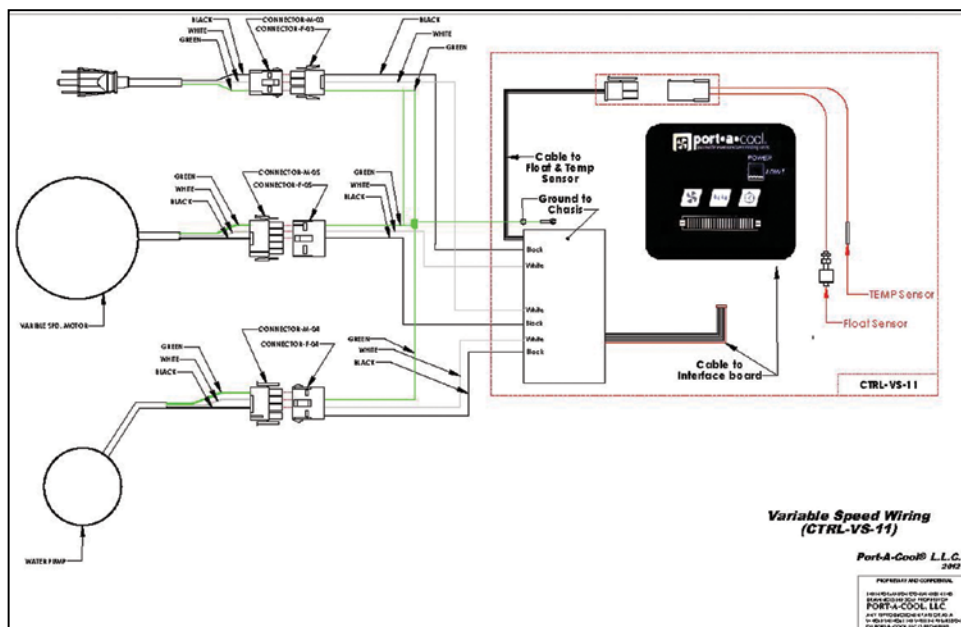
PRE-PROGRAMMED TIMER FUNCTION

- 1) PUMP STARTS (INCLUDES FIVE SECOND DELAY TO ALLOW WATER TO START REACHING THE PADS)
- 2) FAN STARTS AT 100% (HI) SPEED (A "KICK START" FOR BEST VARIABLE SPEED MOTOR OPERATION)
- 3) FAN RAMPS DOWN TO 50% SPEED
- 4) FAN RAMPS UP TO FULL SPEED IN 10% STEPS AT 1 MINUTE INTERVALS (BEGIN INCREASING AIRFLOW AS THE PADS WET OUT FOR BEST EFFICIENCY)
- 5) FAN RUNS AT MAXIMUM SPEED FOR THE DURATION OF THE TIMER SETTING (100% SPEED IS DEFAULT, OR IT CAN BE WHATEVER THE USER SELECTS)
- 6) PUMP SHUTS OFF WHEN TIMER SETTING EXPIRES
- 7) FAN RAMPS DOWN TO 50% SPEED
- 8) FAN RUNS 30 MINUTES (PAD DRYING PERIOD)
- 9) FAN SHUTS OFF

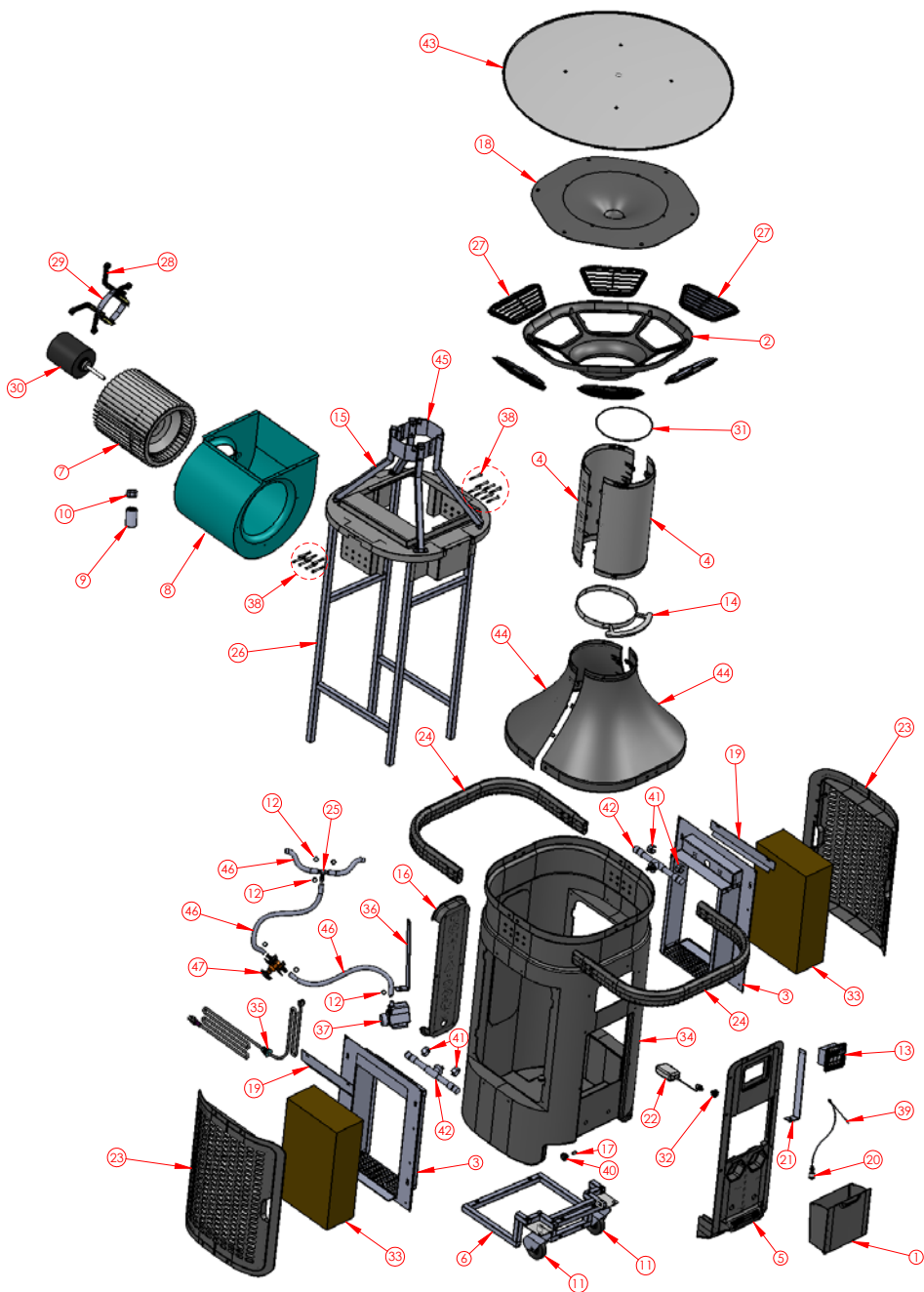
UNIT OPERATION WARNINGS

- 1) Not intended for use by children
- 2) Not intended for use by persons with reduced physical, sensory or mental capabilities
- 3) Not intended for use by persons with lack of experience and knowledge, unless they have been given instruction and are supervised during operation
- 4) Children should be supervised to ensure that they do not play with the appliance

PORT-A-COOL ISLANDER™ WIRING DIA-



PORT-A-COOL ISLANDER™ EXPLODED VIEW



PORT-A-COOL ISLANDER™ PARTS LIST

ITEM#	PART #	DESCRIPTION
1	ACDDOOR-PAT-208	WATER FILL DOOR - BACK ACCESS PANEL MTNG
2	AIRDUCT-PAT-202	AIR DUCT OUTLET LOUVER MOUNTING SECTION
3	AIRFOIL-PAT-613	AIRFOIL FOR PATIO UNIT
4	AIRSTACK-PAT-204	AIRSTACK 19" PATIO UNIT (2) PER UNIT
5	BACKPNL-PAT-207	BACK ACCESS PANEL - CONTROL MTNG SECTION
6	BASE-PAT-616	CASTER BASE ASSEMBLY
7	BLOWER-WHL-01	CYCLONE 3000 BLOWER WHEEL
8	BLOWER-01	BLOWER HOUSING - CYCLONE 3000
9	CAPACITOR-05	40uF CAPACITOR FOR MOTOR
10	CAP-BOOT-01	THERMAL INSULATOR FOR CAPACITOR
11	CASTERS-RDG-4	RIDGED POLYFIN CASTER
12	CLAMP-01	WIRE TUBE CLAMP
13	CTRL-VS-11	90-250V 10/6 AMP ELECT. TOUCH PAD CONTROL
14	COLHAN-PAT-614	COLUMN HANDLE
15	COLSUP-PAT-5121	COLUMN SUPPORT WELD
16	CORDMGT-PAT-206	POWERCORD PANEL-CORD MANAGEMENT
17	DRAIN-PLUG-01	NPT PLUG FOR DRAIN
18	DUCTTOP-PAT-203	AIR DUCT TOP INTERNAL DIVERTER SECTION
19	FLAP-PAT-1	PAD FLAP FOR PATIO UNIT
20	FLOATSWITCH-11	LOW WATER SENSOR SWITCH
21	FLOAT-ACC-18	FLOAT SUPPORT BRACKET
22	FLOAT-CYC-03	FLOAT VALVE FOR FOR CYCLONE UNIT
23	GRILL-PAT-209	PAD COVER GRILL - PAD ACCESS COVER
24	HANDLE-PAT-210	MID UNIT HANDLE

ITEM#	PART #	DESCRIPTION
25	HOSE-FTG-04	T BARB ADAPTER
26	INNFRM-PAT-5120	INNER FRAME WELD
27	LOUVERS-PAT-507	LOUVERS FOR PATIO UNIT (6)
28	MOTOR-MNT-ARM	CYCLONE UNIT TRI-ARM MOTOR MOUNT
29	MOTOR-MNT-BND-2	CYCLONE QUAD-MOTOR BELLY BAND
30	MOTOR-010-07	PATIO UNIT VARIABLE SPEED MOTOR
31	ORING-271-70	271 BUNA N 70 O-RING - 9.25 x 9.5 x .139
32	PAC-PLB-14	1/4"X3/4" GHT BRASS FITTING HOSE ADAPTER
33	PAD6019/G	6" X 12" X 19" 55/20 ANGLE KUUL PAD (2)
34	PAT-TANK-01	20 GALLON PATIO UNIT TANK
35	POWERCORD-01	16' POWERCORD WITH STRAIN RELIEF
36	PUMP-BRACKET-5	PUMP MOUNT BRACKET FOR CYCLONE UNIT
37	PUMP-CYC-3	CYCLONE PUMP - 0K400
38	S-1420-25BH	1/4-20X2.5 BUTTON HEAD SCREW SOCKET CAP
39	SENSOR-TEMP-11	10kohm TEMPERATURE SENSOR KIT
40	SPIN-FTG-01	SPIN FITTING FOR DRAIN
41	SPRAY-ACC-04	HAYCO CLAMP FASTENER
42	SPRAY-PAT-01	SPRAY BAR FOR PATIO UNIT
43	TOP-PAT-211	TOP PIECE FOR PATIO UNIT
44	TRANS-PAT-205	TRANSITION PIECE - BASE TO STACK (2) PIECES
45	TUBETR-PAT-5122	TUBING TRANSITION PIECE
46	TUBE-01	SOFT PLASTIC TUBE
47	VALVE-01	FLOW CONTROL GATE VALVE



Portable Cooling Solutions

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