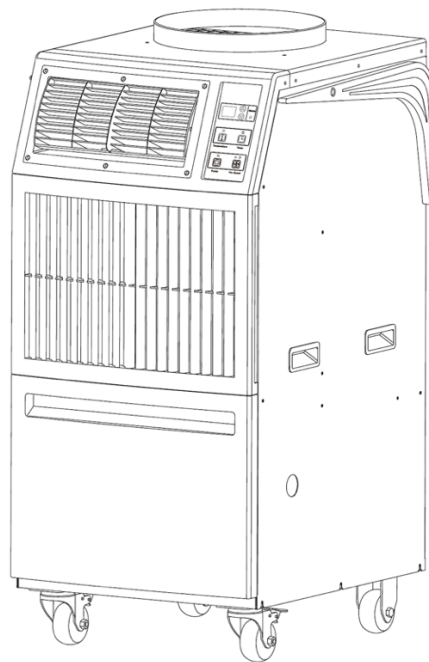




# OPERATION MANUAL

## CT-12 ECO-TEC <sup>+</sup>



READ THIS MANUAL CAREFULLY FOR INSTRUCTIONS ON CORRECT  
INSTALLATION AND USAGE, AND READ ALL SAFEGUARDS

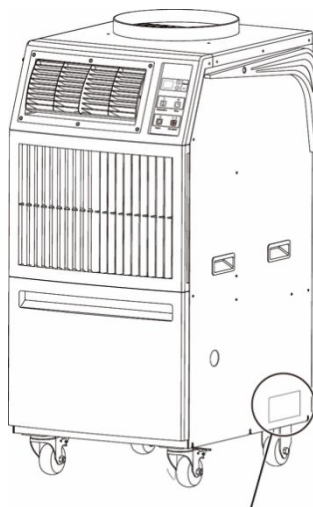
# PORTABLE SPOT AIR CONDITIONER

## SERIAL NUMBER LOCATION AND IDENTIFICATION

The serial number and name plate can be located near the lower right side of the unit.

### Nameplate Label

Power	AC115V/60Hz	
Cooling Capacity	12000Btu	
Air Volume	High	Low
Cold Air Flow	470CFM	410CFM
Hot Air Flow	1170CFM	1020CFM
Rated Current	13.4A	12.7A
Max Current	15A	
Power Consumption	1530W	1440W
Max Power Consumption	1740W	
Compressor	Fully Enclosed Rotary	
Condensate Water Treatment	15L drain tank	
Refrigerant	R32	
Refrigerant Capacity	660g(1.46Lb)	
Discharge Pressure	3.2MPa	
Suction Pressure	1.0MPa	
Max Operating Pressure	4.2MPa	
Environment Conditions	18℃-45℃ (64°F-113°F)	
Dimensions	20.5"W×23.2"D×41.7"H	
Weight	62kg(136Lbs)	



Nameplate Location

## **FOREWARD**

The CT-12 ECO-TEC+ is the newest and most advanced spot cooler available. The CT-12 ECO-TEC+ boasts Eco friendly refrigerant combined with the newest technology of Needlepoint Bipolar Ionization purification.

- Needlepoint Bipolar Technology helps eliminate viruses, bacteria, allergens, mold spores and eliminates odors and VOC's
- Reduces particulates for cleaner air.
- Section 40, UL867 Ozone Standard Certified.
- UL2998 Certified Ozone Free.
- Efficacy tested and independently proven effective for air purification.
- Eco friendly refrigerant utilizing R32 Refrigerant with a low (GWP) Global Warming Potential value of 677.

Exclusive engineered features only from ClimaTemp.

- Wide operating ranges from 64°F-113°F.
- High evaporator airflow of any comparable 1-ton unit at 470CFM (H).
- Protected metal condenser coil decorative cover overlay with slide out filters.
- QuickMove Condenser and Evaporator filters. For quick effortless cleaning.
- Attachable rear kick plate for navigating over door jams and rough terrain.
- Metal cord wrap holder to keep the units power cord organized and out of the way.
- Stylish and functional side bump guards to protect the unit from dents and scratches.
- Optional twist off nozzles.

### **Features:**

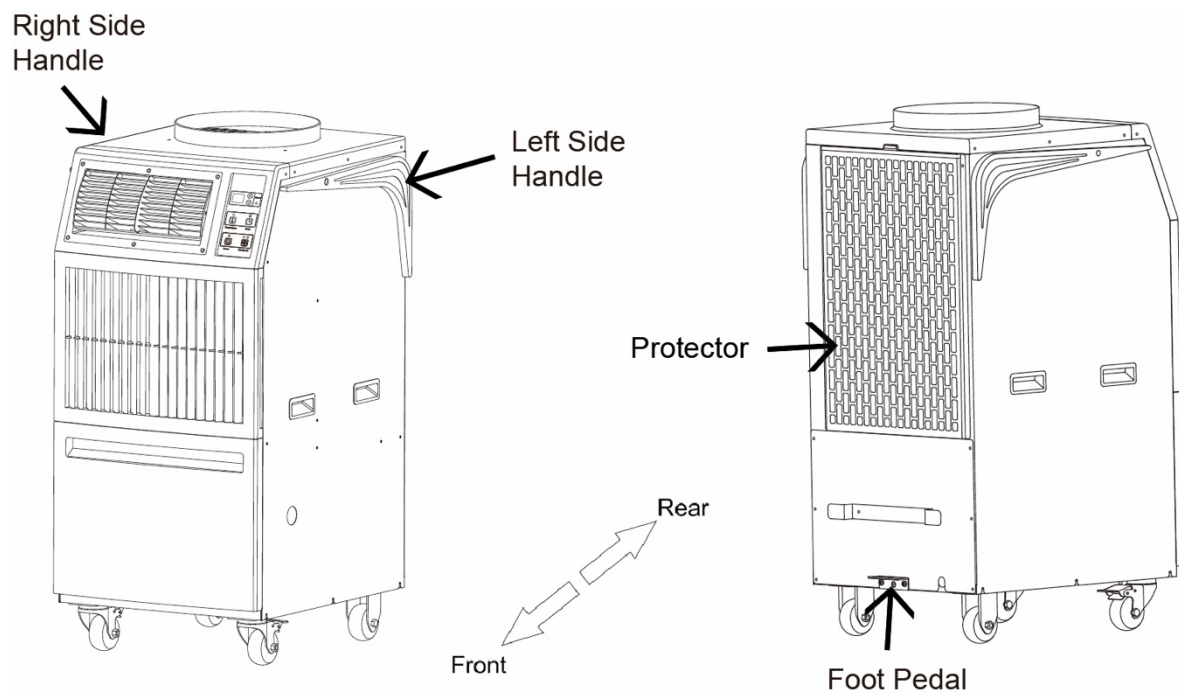
- Built in Cold Plasma Technology purification. Needlepoint Bipolar Ionization.
- Dual mode operation. Cooling with purification or fan with purification.
- Provides 12,000 Btu/h of cold air.
- ETL Listed and Certified.
- Soft touch programmable LED Controller.
- Self-diagnostic LED controller displays error codes for quick troubleshooting.
- Auto full condensate bucket shut off and audible alarm.
- Condensate Pump Option. (Beckett Brand Plug n Play)
- Automatic Restart feature that resets to original settings if power is lost.
- Built for everyday use and designed for the rental industry.
- Classic design for a great look in all commercial applications.
- High quality locking castors for effortless movement.
- LCDI protected plug
- HEPA kit ready. Unit can be equipped with HEPA filtration capabilities with the ClimaTemp HEPA Accessory Kit.

## INVENTORY

After unpacking your ClimaTemp Portable spot air conditioner, please check to make sure you have the following items:

1. **CT-12 Portable spot air conditioner**
2. Operation Manual
3. Kick Plate/Foot Pedal. (located under the unit). Please attach to bottom rear of unit.
4. Metal Cord Wrap Holder. (located under the unit). Please attach to back of unit.

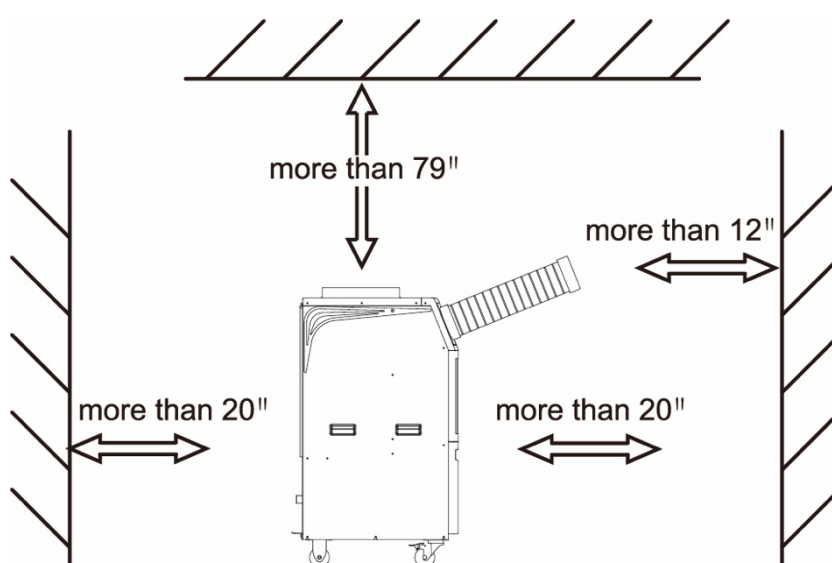
**Note: If any of these items were not included in the box or appear damaged, please contact your ClimaTemp Portable spot air conditioner reseller for replacement.**



**INSTALLATION & GENERAL SAFETY INFORMATION**

- **Unit Designed for indoor usage only. Do not submerge or spray water on the spot cooler.**
- **Do not use the unit at conditions above 113 °F (45°C) or below 64 °F (18°C).**
- **Use 115v-60HZ, 1Phase power supply only. Securely plug into grounded 15amp outlet.**
- **Do not use an extension cord which may cause a risk of fire or electric shock.**
- **Do not bend or kink power cable. Damage to power cord can cause electric shock or injury.**
- **Do not place anything on the top of the machine. Do not stand or place hands or fingers inside of the unit while in operation.**
- **Install unit on smooth level ground. Lock the castors breaks to minimize rolling and movement.**
- **Always power off unit by the control panel, do not turn off by removing plug from power source.**
- **Condenser exhaust should always be ducted to the exterior or outside the area for maximum cooling.**
- **Do not pinch, minimize or constrict the duct size of the exhaust (12") as this may cause then unit to malfunction or damage to the unit.**

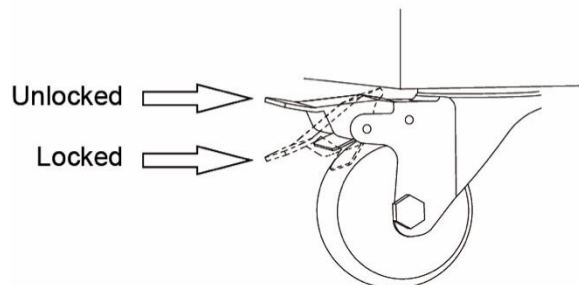
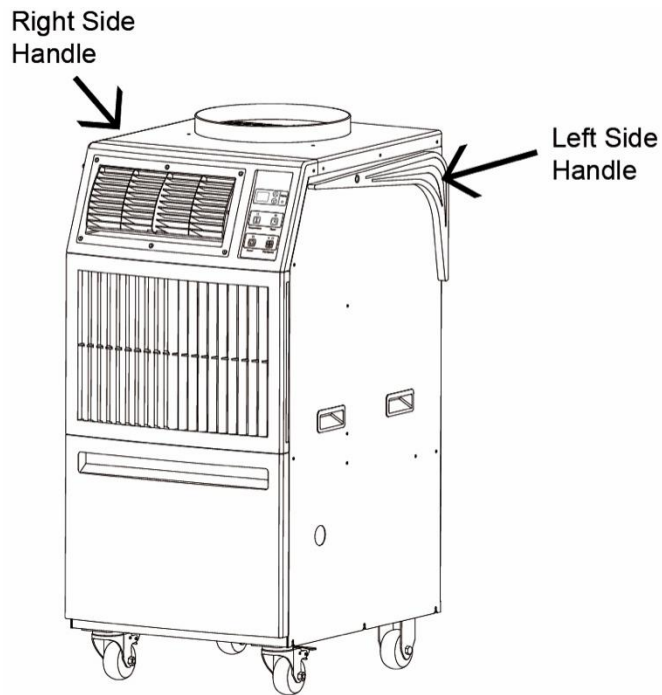
**When in operation, the front and back of the machine should be more than 20" from the wall or other barrier. The cold air exhaust should be at least 12" away from any barrier and hot air exhaust should be more than 79" from roof or barrier.**



**INSTALLATION (cont.)**

**Moving the Unit**

**Unlock the casters and push the Portable spot air conditioner unit using the side handles to a flat, level surface and set the casters to the LOCKED position.**



## INSTALLATION (cont.)

### Plugging in the Unit

1. Check the prongs and surface of the power cord plug for dust/dirt. If dust and/or dirt are present, wipe off with a clean, dry cloth.
2. Check the power cord, plug and prongs for damage. If any damage is found, contact ClimaTemp Portables or a qualified technician for repair.

 **WARNING:**

1. If the power cord or plug is damaged, replacement should only be performed by qualified electrical personnel.
2. Because of potential safety hazards under certain conditions, we strongly recommend against the use of an extension cord.

### Procedure for Testing Device

The CT-12 is equipped with a LCDI power cord. This device is non-serviceable and opening the device may cause electric shock or void the warranties of the product.

1. Plug into grounded appropriate 115v receptacle.
2. If unit does not operate, press the test button, followed by the reset button.
3. If test fails then do not use and contact your ClimaTemp reseller for replacement.

**CAUTION:** The power source should be a dedicated single outlet circuit with UL listed short-circuit and ground fault protective breaker. Do not share the AC outlet with any other instrument or equipment. The minimum power supply rating and the maximum fuse size for each corresponding model are listed below.

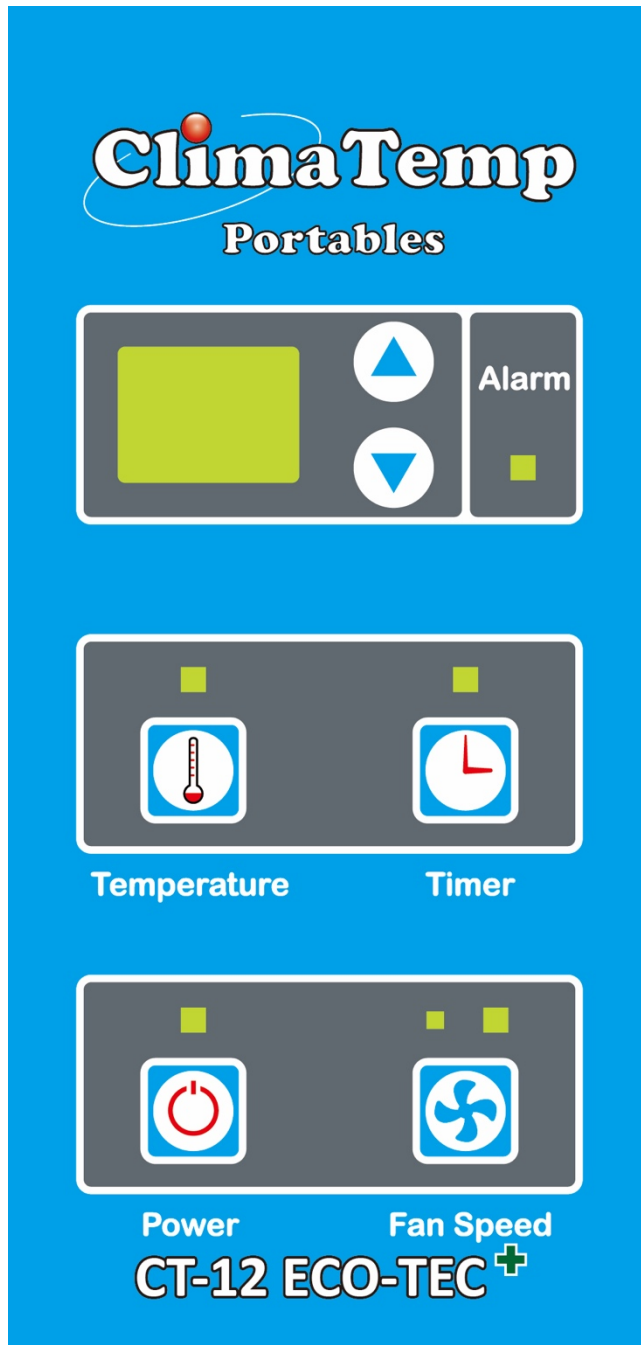


MODEL	MINIMUM POWER SUPPLY RATING	RECOMMENDED FUSE SIZE
<b>CT-12</b>	115V, single phase,60Hz,15A	15A maximum

## OPERATION

### Control Panel

Before operating the unit, it is important to familiarize yourself with the basic controls located on the control panel.





**OPERATION (cont.)****Operating Method****1. Power Switch:**

After plugging into power, the power switch LED indicator will illuminate, press the POWER button to turn on and turn off the unit. Cold Plasma is engaged when power is on.

**2. Air volume selection:**

Press Fan Speed to select the high or low air volume.

**3. Fahrenheit and Celsius Temperature setting:**

Procedure: Press and hold the Fan Speed button while plugging the unit into the power supply; once the digital display shows CF, release the Fan Speed button. If the current setting is in Celsius, the indicator will display °C. If the current setting is in Fahrenheit, the indicator will display °F. Press the temperature button to change to C or press the timer button to change to F. Store the settings by pressing the Fan Speed button.

**4. Temperature setting:**

Press the temperature button, the temperature button will start to blink. Press the up and down adjustment button on the display to set the temperature you desire. Once selected wait 15 seconds and your preferred temperature will be set. The display will show the temperature of the environment (as default). The range is 18°C~35°C (64°F~113°F). When the environment temperature is higher than the setting temperature, the compressor will engage, producing cold air. When the environment temperature is lower than the setting temperature, the compressor will disengage and shut off.

**5. Fan Only Mode:**

To operate in fan mode, press the temperature UP button to its highest setting (95). This will operate the unit in fan mode only. *This mode can be used to operate the unit in Cold Plasma purification mode without cooling.*

**6. Time setting:**

Press timer button, the timer LED turns on, temperature light will turn off, the display will show the time our unit will turn off (12 hours), press up and down button to change the time (1-12 hours), 3 seconds later the display will show the temperature of the environment again, the temperature light will turn on.

**7. Alarm indicator/Unit error:**

When the unit's condensate bucket is full of water, or an overcurrent, overheat, or other trouble is detected by the unit, the alarm indicator will turn on. When the unit stops working, LED display will show the error code.

**LED Display Error Codes:**

<b>Code</b>	<b>Description</b>	<b>Reason</b>
<b>FL</b>	<b>Water level warning</b>	<b>Water Tank Full</b>
<b>t1</b>	<b>Inlet air sensor problem</b>	<b>Connector problem or sensor damaged</b>

**OPERATION (cont.)**

**Empty the Drain Tank**

During COOL mode, condensate water accumulates in the drain tank.

When the drain tank becomes full, an audible chirping sound can be heard and LED displays “FL”, then the unit will cut off the power supply and stop.

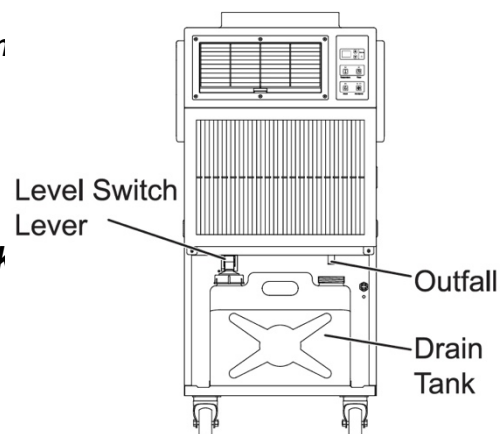
*Note: If you want to empty the drain tank, please wait after the unit stops.*

1. Open the drain tank door.
2. Pull the drain tank from the unit.
3. Remove the cap and empty the drain tank.
4. Replace the cap and return the drain tank to the unit.
5. Close the drain tank door.
6. Press the Power button to restart the unit.

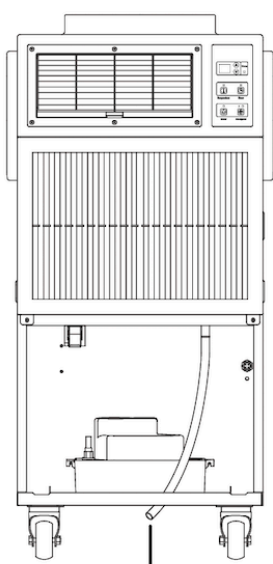


**OPERATION (cont.)**

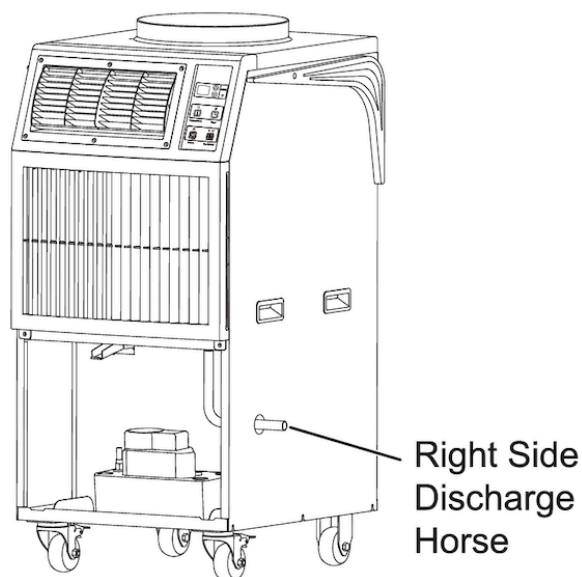
- ***When the “Tank Full” light illuminates, and an audible chirping sound can be heard, the unit will cut off the power supply and stop.***
- ***Please open the drain tank door and pull out the drain tank from the unit, remove the cap and empty the drain tank.***
- ***Carefully remove the water tank and do not damage the top components on the top of water tank***
- ***Make sure the water tank is in correct position, otherwise it may cause water to leak and damage the unit and surroundings.***



***Note: The condensed water can be directly discharged through a gravity drain. Remove the drain tank, connect the drain outlet directly to the machine through the bottom side discharge hose or out through the right-side discharge hose outlet.***



Bottom Side Discharge Horse



Right Side Discharge Horse

**Optional Plug-and-Play Condensate Pumps are available for the CT-12 spot cooler.**

**Please contact your ClimaTemp reseller for condensate pump options.**

## DAILY INSPECTION & MAINTENANCE

### Empty the Drain Tank

To empty the drain tank, refer to instructions on page 11.

### Clean the Air Filters

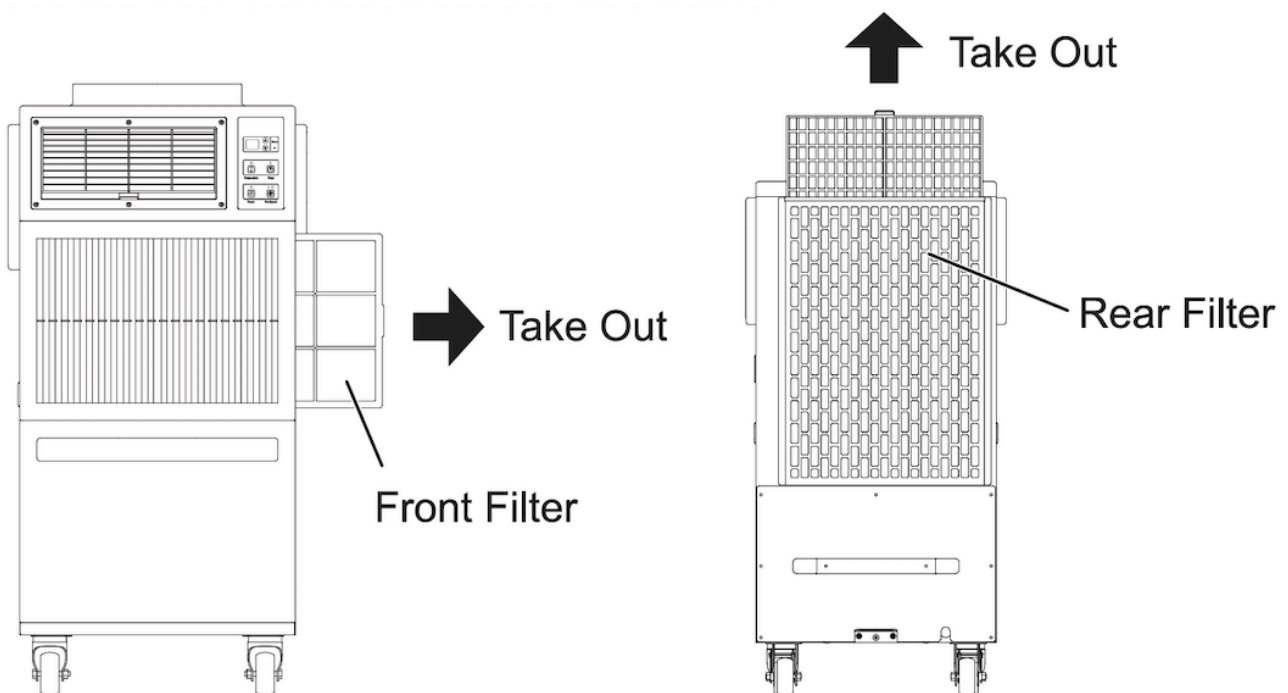
Clean the air filters once a week. If the unit is used in a dusty environment, more frequent cleaning may be required. A dirty filter can reduce air output resulting in a decrease in the cooling capacity and damage to the compressor and components.

### Filter Removal Method

1. Turn the unit off by pressing the Power button.
2. Remove the two air filters.

**Note:** To remove the front evaporator filter, slide the filter by pulling the filter out of the machine's front evaporator panel. To replace the filter slide filter back into evaporator panel.

To remove the rear condenser filter, pull filter up and out of the condenser frame. To replace filter, slide filter back into condenser frame with tab facing up.



### **Filter Cleaning Method**

- 1. Remove filters. Dust, dirt and particulate can be removed from the filter with a vacuum cleaner, or rinse in cold or lukewarm water. If the element is extremely dirty, wash with a neutral detergent.**
- 2. After the element has been cleaned, rinse with clean running water, allow to dry, then reinstall filters into unit.**

### **End of Season Maintenance.**

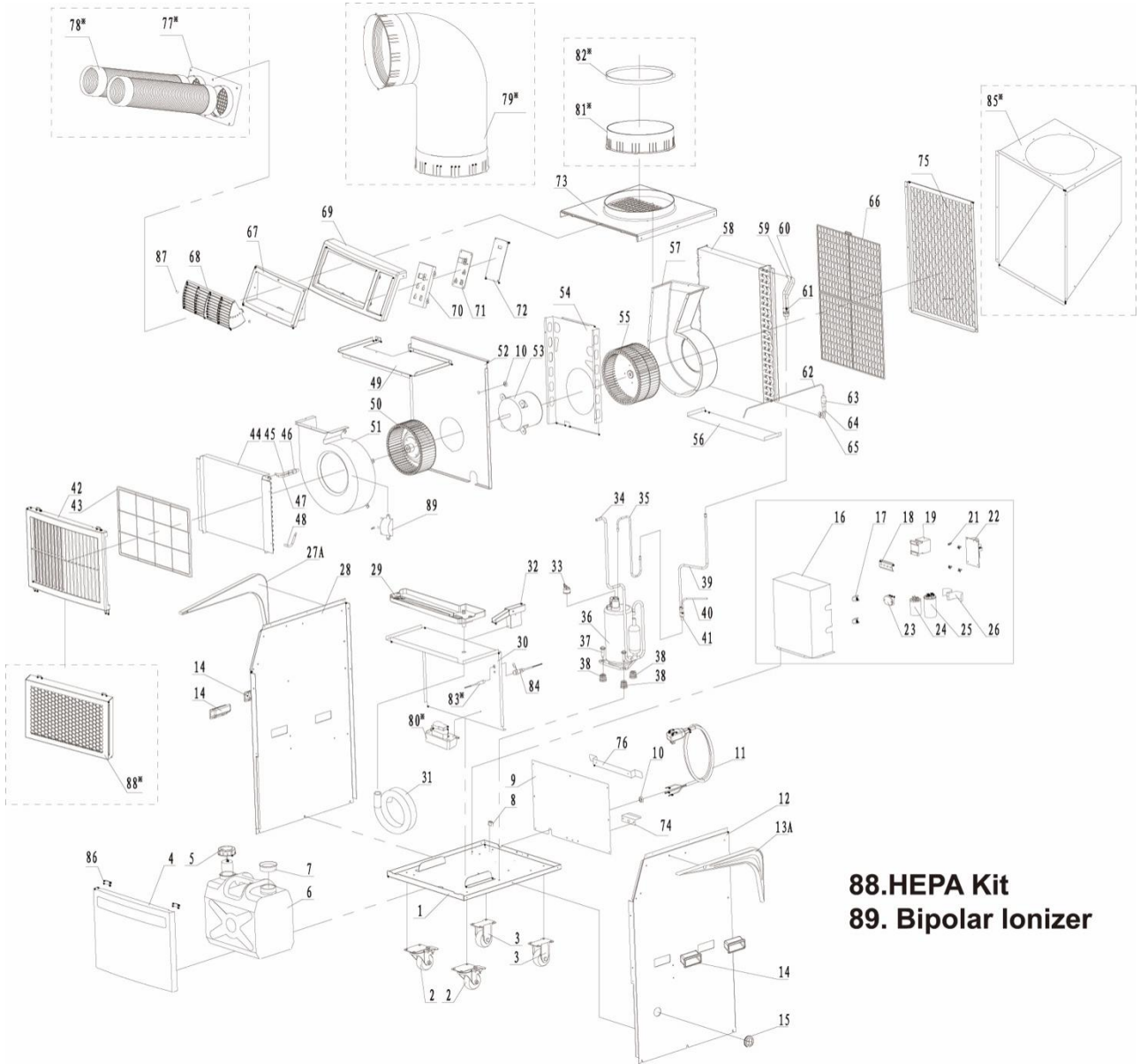
- 1. Wrap power cord on rear cord wrap holder.**
- 2. Remove all water from condensate bucket.**
- 3. After cleaning the unit completely dry with scratch resistant cloth.**
- 4. Unit should be operated in fan mode (bring unit to highest set point) to dry for 2-3 hours.**
- 5. Cover unit to prevent dust and humidity.**

**TROUBLESHOOTING**

Check the following items before calling your ClimaTemp Portable spot air conditioner reseller or a qualified technician.

<b>CONDITION</b>	<b>POSSIBLE CAUSE</b>	<b>REMEDY</b>
<b>Unit does not operate</b>	1. Ground fault breaker trip or breaker trip from power source.	Reset breaker or reset LCDI power cord.
	2. Drain tank is full.	Empty the drain tank.
<b>Water leaking</b>	1. Drain port plugged	1. Clear drain outlet.
	2. Drain Tank is not in the right place.	2. Place the drain tank in the right position, note the relative position of the float and lever.
	3. Dust and dirt particulate are on the front filter.	3. Clean the front filter.
	4. The water lever of drain tank is too high.	4. Pull out the drain tank and empty it.
<b>No cooling.</b>	1. The surface of the condenser is dirty.	1. Clean (vacuum) the surface of the condenser. Do not use water or coil cleaner.
	2. Exhaust fan malfunction.	2. Repair, replacement of exhaust fan motor.
	3. Temperature of the external environment is too high	3. Use the unit only if surrounding temperature is between 64F and 113F
	4. The capacitor of the compressor is damaged.	4. Replace the capacitor
	5. Input voltage is too high or too low.	5. Make sure voltage is correct.
	6. Compressor thermal overload protection	6. Restart the unit after it has cooled down.
	7. Compressor motor is damaged.	7. Repair, replace Compressor motor if needed.

## Parts List Breakdown



※ Optional Accessory



## Limited Warranty

ClimaTemp Portables Inc. warrants its portable air conditioner products and accessories against defects in material or workmanship. Under ordinary use ClimaTemp will, at its sole discretion, repair or replace any defective product or part covered by this warranty. Warranty coverage is (12) months for all parts on the ClimaTemp product and (36) months on the compressor or compressor components. This warranty is in effect from the date of purchase on any invoicing for the end user. This Limited warranty is conditional on the return of the part or unit to the manufacturer with approval in which all goods and services are freight prepaid from the customer or distributor. This warranty does not cover malfunctions or misuse beyond ClimaTemp's control including improper operation, neglect, abuse, abnormal use, incorrect electrical connections, and failure to perform routine maintenance. Furthermore, ClimaTemp will not be responsible for improper installation that damages unit or components. Any shipping damage or improper transport is not covered under this warranty.

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**ClimaTemp Portables Inc.**

844-349-5665

[www.Clima-Temp.com](http://www.Clima-Temp.com)



