POWER BREEZER

H-CLASS

H950SL – USER MANUAL

V1.0_2404

Welcome

Congratulations on your selection of a Power Breezer® HVAC Cooler, and welcome to a cooler tomorrow. We thank you for your purchase. We are proud of our products and have designed your Power Breezer HVAC Cooler for years of safe and reliable service.

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Important Safety Information

To help protect your safety, this document utilizes safety messages. They are preceded with a safety alert symbol and one of three safety words: DANGER, WARNING, or CAUTION. Each safety message tells you what the hazard is, what can happen, and what you can do to avoid or reduce injury.

The safety signal words mean:

DANGER means if the danger is not avoided, it **WILL** cause **death or serious injury**.

WARNING means if the warning is not heeded, it **CAN** cause **death or serious injury**.

CAUTION means if the precaution is not taken, it **MAY** cause **minor or moderate injury**.

- This Unit is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the Unit.
- Check to see if the power cord is damaged prior to use. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid personal injury.
- Do not use the Unit in places that use or store volatile substances (diluents, gasoline, kerosene, liquefied gas, and other volatile liquids; magnesium, aluminum, lead, and other volatile dust and vapors) to avoid possible ignition, explosion, or fire.
- Do not physically alter the unit in any way. Doing so may lead to the unit's failure and or create a fire hazard.
- The Unit should only be powered by an electrical outlet that adheres to national wiring regulations.
- The Unit is designed for use with a 115V～60Hz, power supply.
- Use a dedicated electrical outlet with a current rating of 15A. Use of an electrical outlet shared with other electrical appliances may cause the Unit to malfunction.
- Do not locate the Unit near a fire or high heat source to avoid deformation of the Unit.
- Connect the machine to a grounded power supply.
- The Unit has a safe operating range temperature of 68–109°F. Using the Unit outside its operating range temperature may damage the Unit and or cause the Unit to malfunction.
- Do not move the Unit when it is running. Set the wheel brakes to the locked position prior to operating the Unit.
- Immediately power off and or unplug the Unit in case of an error such as stopped fan rotation, strange noises, improper vibrations, and or unusual odors.
- Grip the plug end when unplugging from the power source. Do not unplug by pulling the power cord. Doing so will damage the power cord.

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- Use a dry and clean cloth to clean off any dust or moisture on the power plug regularly. A dusty or moist plug may cause poor contact or electric safety hazards.
- Do not bend, drag, twist, pinch, or change the power cord. Do not overload the power cord which may lead to fire, electrocution, and other safety hazards.
- The Unit is designed for indoor use only. Do not use or store the Unit in locations where rain and or snow may have access to the Unit or its power supply. Do not operate the Unit with wet hands.
- Do not use the Unit on boats and other vehicles.
- Do not insert fingers or other objects inside the Unit, doing so may cause bodily injury.

To prevent damage, the Unit cannot be used in the following locations:

- On a vibrating floor
- An uneven or severely angled floor
- Stairway, emergency exit, house exit and entrance, etc.
- Location with unstable articles piled around
- Windy and moist place or place with floating metal powder

DANGER **RISK OF ELECTROCUTION** Please follow standard lockout/tagout procedures and disconnect the power source prior to opening or disassembly of the unit.

WARNING **RISK OF ELECTROCUTION** Only trained professional maintenance personnel should assemble, disassemble, and repair the Unit. Others doing so will void the warranty and may be exposed to electrocution, injury, and other safety hazards.

If the Unit becomes damaged or malfunctions, do not attempt to repair the unit. Doing so will void the warranty. Contact Power Breezer customer service for repair assistance. 1.844.233.5673 | customerservice@powerbreezer.com

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Technical Specifications

Model	H950SL
Power Supply	115V~60Hz
Refrigerating Capacity	13600 BTU/Hr
Rated Power	1200 W
Rated Current	10.8A
Air Volume	350 CFM
Max Circuit Current	15A
Fuse Type and Rating	T Type 250VAC 10A
Working Pressure on Suction/Discharge Side	290/650 pisg
Maximum Working Pressure of Heat Exchanger	650 psig
Refrigerant/ Refrigerant Charge	R32/18.6 oz
Operating Condition	68–109°F
Weight	107.8 lbs
Product Dimensions (In.)	16.9x19.4x39.3

Power Breezers products are continually improved. For accurate technical parameters, please refer to the plate on your Unit.

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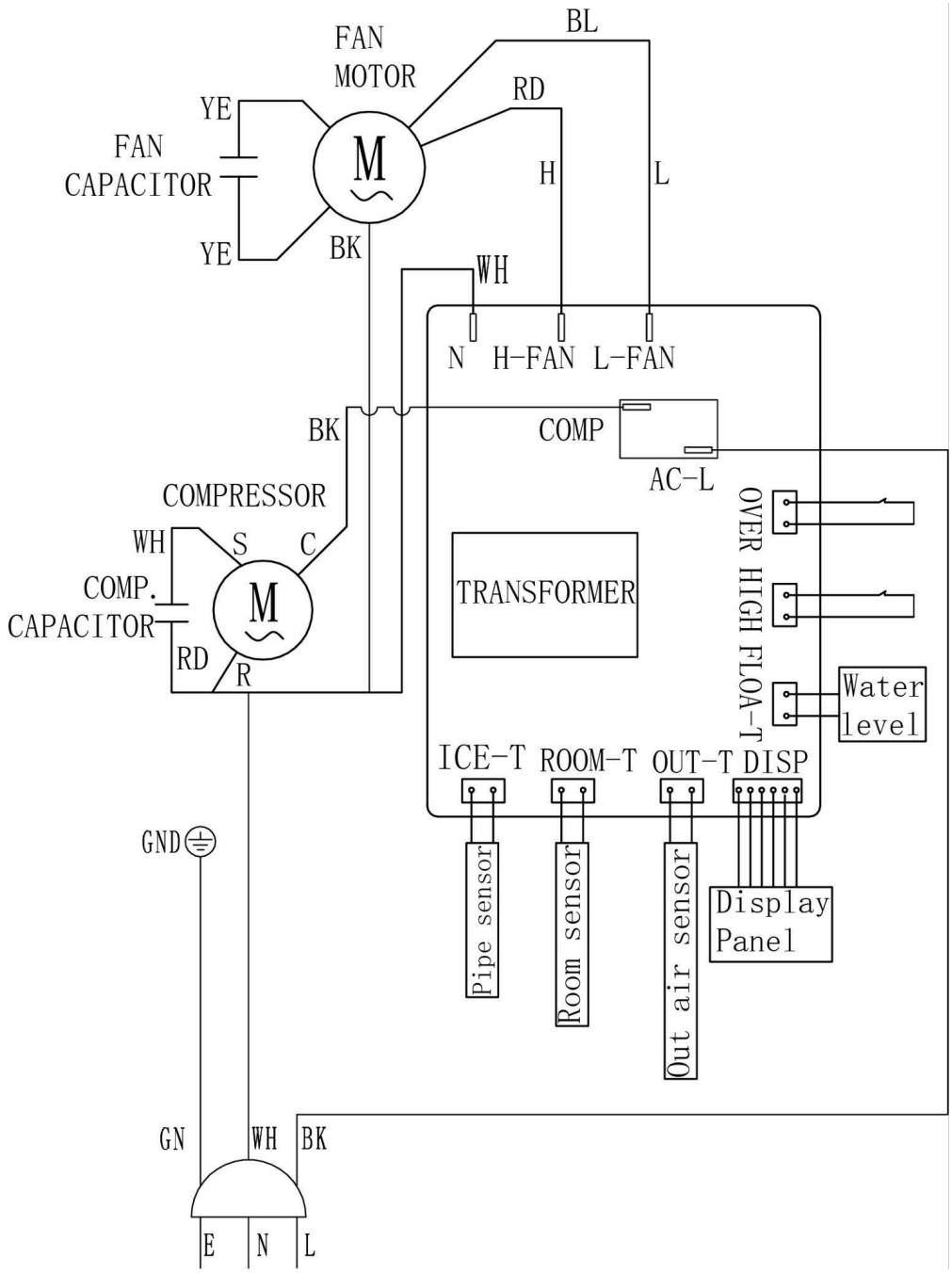
Electrical Wiring Diagram



(Figure 1)

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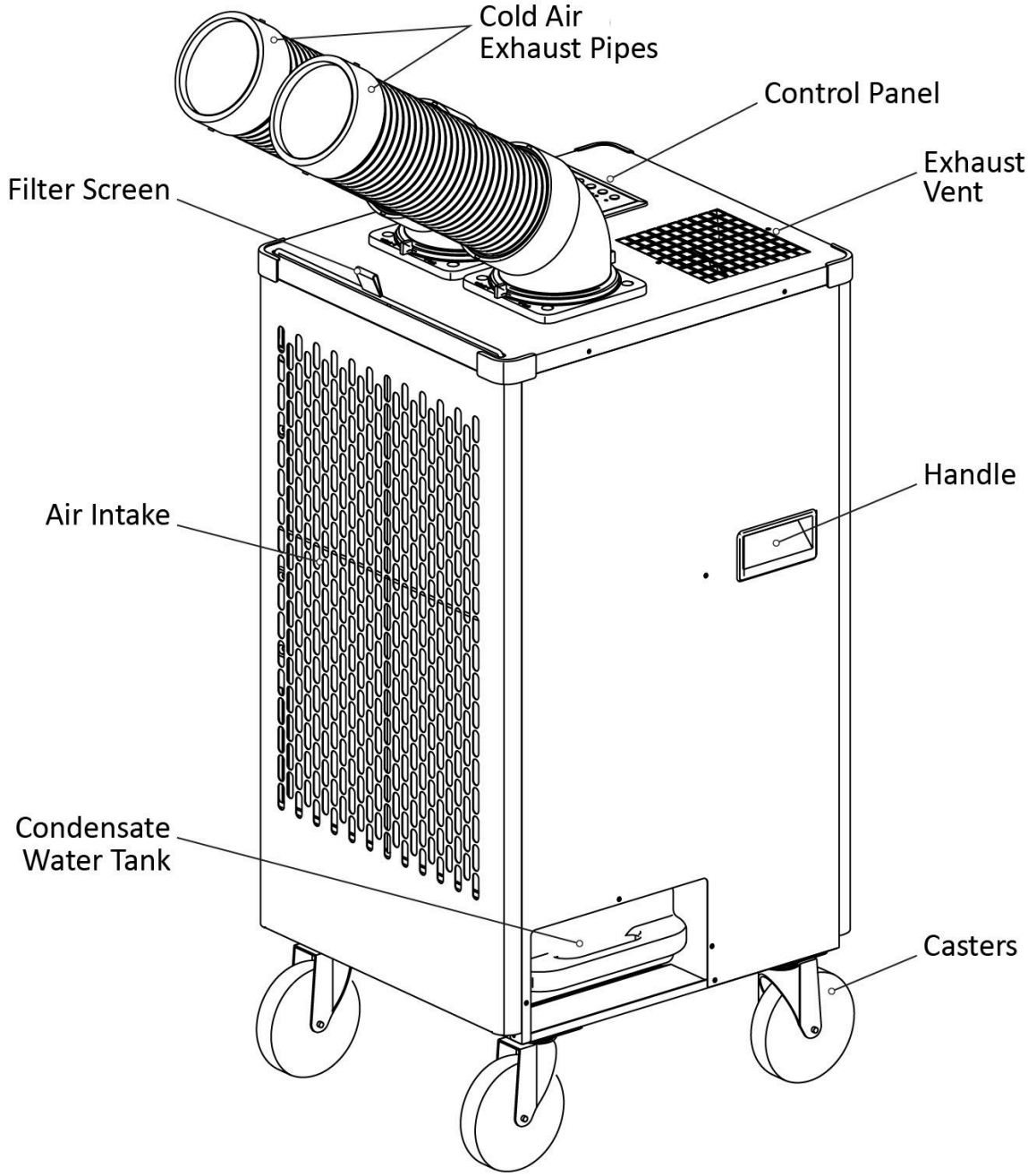
Unit Overview



(Figure 2)

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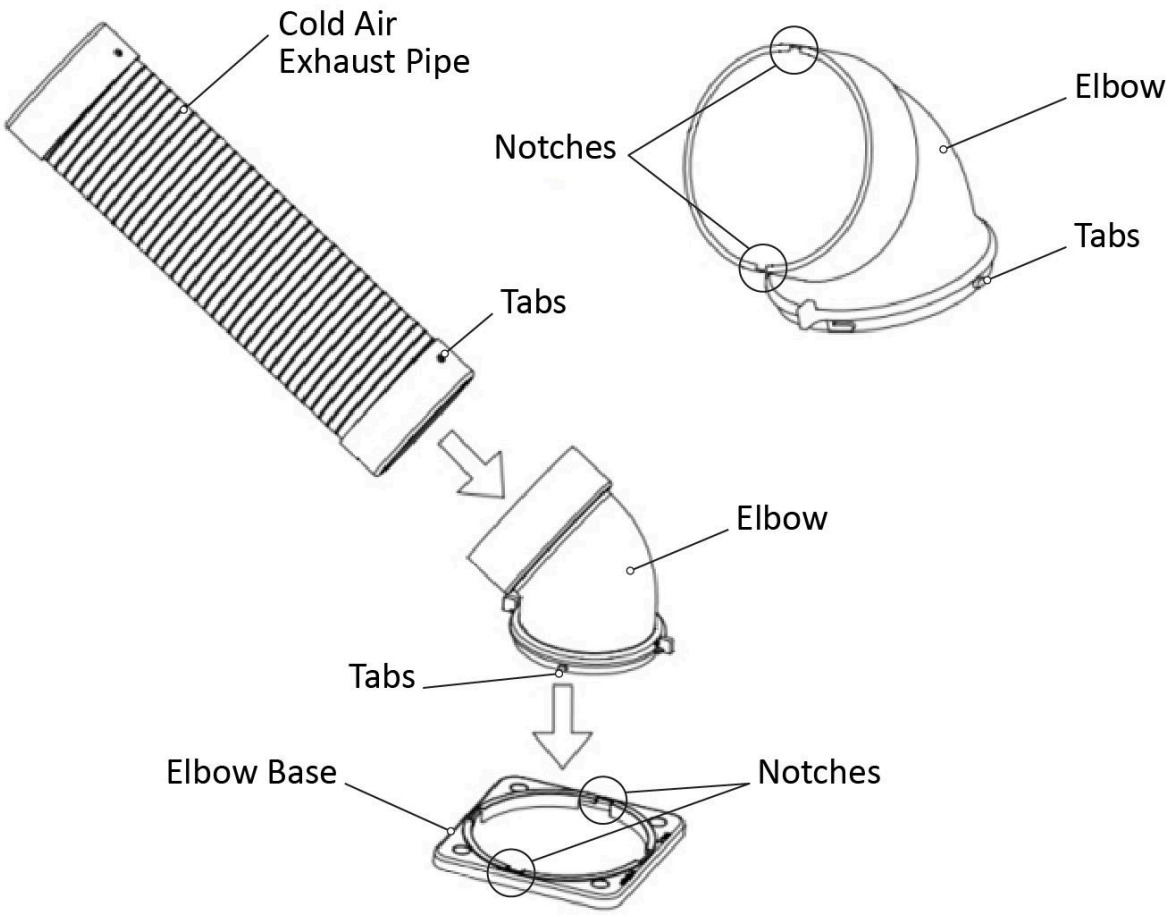
Cold Air Exhaust Elbow and Pipe Installation

Installation of Exhaust Elbow:

1. Orient Exhaust Elbow so that the tabs are toward the bottom as illustrated in Figure 3.
2. Insert Exhaust Elbow's Tabs into the corresponding Elbow Base Notches until evenly seated.
3. Rotate the Exhaust Elbow counterclockwise in place until a click is heard.

Installation of Cold Air Exhaust Pipe:

1. Insert the end of the Cold Air Exhaust Pipe Tabs into the Elbow while aligning its Tabs with the Elbow's Notches.
2. Insert Cold Air Exhaust Pipe until fully seated in the Elbow.
3. Rotate the Cold Air Exhaust Pipe counterclockwise until it stops turning.



(Figure 3)

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LCDI Power Cord and Plug

This Unit is equipped with an LCDI (Leakage Current Detection and Interruption) Power Cord and Plug.

The LCDI Power Cord and Plug are designed to interrupt the electrical supply in the event of a short circuit.

This is to prevent the risk of fire in the Power Cord or nearby combustible materials. The Power Cord will remain without power until it is manually reset.

The test and reset buttons on the LCDI Plug are used to verify whether the plug is working correctly.

To Test:

- Insert the LCDI Plug into an appropriate power source. The power indicator light on the Control Panel (see Figure 4) will illuminate letting you know the Unit has an electrical connection to the power source and the LCDI Plug light will illuminate
- Ensure Unit is not operating and is powered off.
- Press the TEST button. This should trip the LCDI Plug circuit, cutting power to the unit. The power indicator light will stop illuminating. **(test was successful)**
- Press the RESET button to resume normal use.

If you press the TEST button and the power indicator light remains illuminated or the Unit can be powered on, it means electrical error has occurred. **(test was UNSUCCESSFUL)**

In this case, **do not use the unit or try to reset the LCDI Plug**. It must be replaced by the manufacturer, its service agent, or a similarly qualified person to prevent electrical hazards.

- **DO NOT** press the TEST button while the Unit is operating. Doing so may damage the Unit.
- The **TEST and RESET buttons should not** be used as “ON” and “OFF” switches.

The Power Cord and Plug do not offer protection from electrical spikes and or surges.

DANGER **RISK OF FIRE** The addition / use of an extension cord to the Power Cord can cause wire overheating, which can lead to the Power Cord melting, and may ultimately lead to fire and or damage to the Unit. **Do not add any extension cords to the Power Cord.**

The Unit, the Power Cord and Plug are intended for **indoor use only**.

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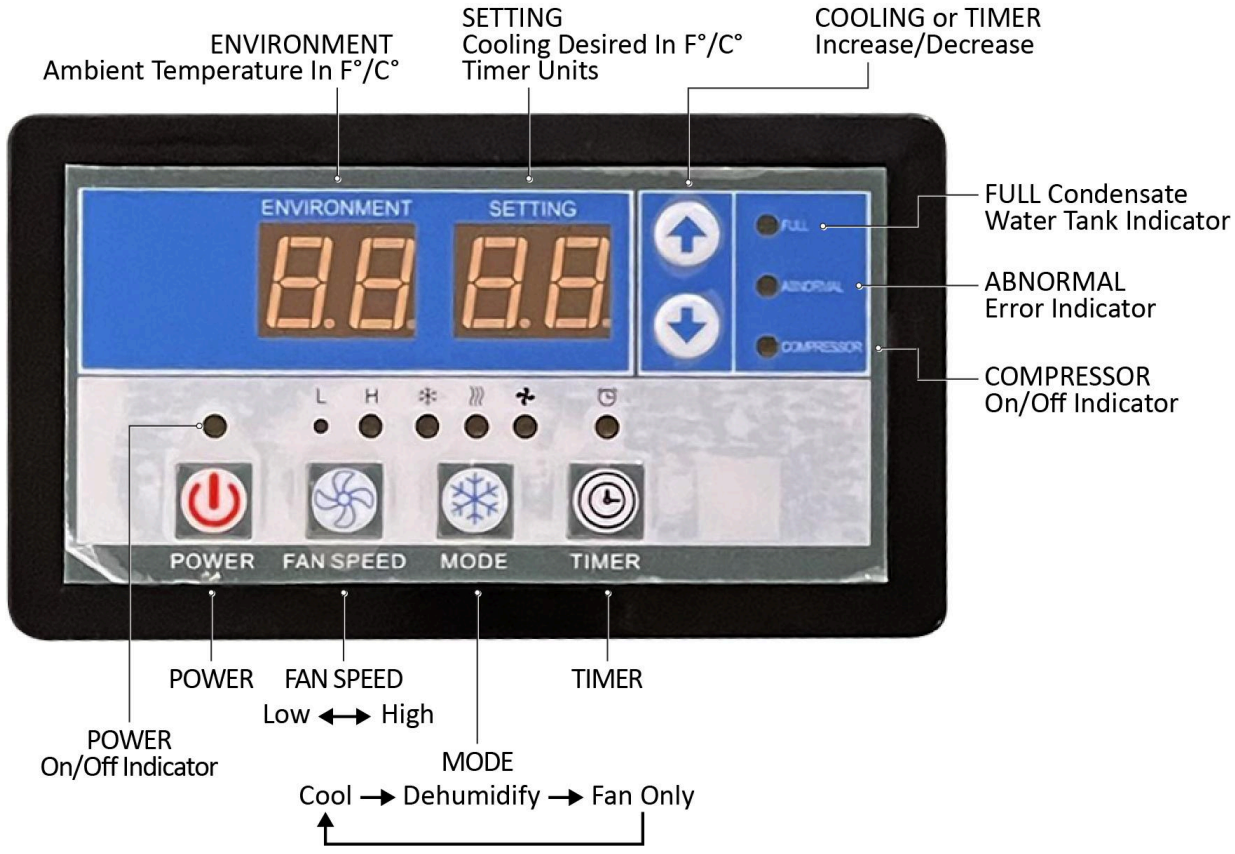
Operating the Unit



(Figure 4)

POWER Button

Connect the Power Cord to an appropriate power supply. Once you hear the Unit make 3 tones and the power indicator light illuminates, press the POWER button. This signals the Unit to enter Cooling mode, indicated by the Cooling light turning on above the MODE Button. The compressor starts operating, the Compressor indicator light is illuminated, and the fan begins running. To turn off the Unit, simply press the POWER Button again.

FAN SPEED Button

In Cooling mode, you can adjust the fan speed by pressing the SPEED button to cycle between high and low fan speeds.

MODE Button

The Unit operates in three modes:

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1. **Cooling**
   Upon initial startup, it defaults to Cooling mode. In this mode, the Cooling Icon indicator light is illuminated along with the Compressor light, indicating that the compressor is active. Cold air is supplied through the Cold Air Exhaust Pipe(s).

2. **Dehumidifying**
   Pressing the MODE button again switches the unit to Dehumidify. In this mode, the Compressor indicator light remains on, indicating compressor operation and cold air continues to be supplied through the exhaust pipe. The Dehumidifying light is illuminated.

3. **Fan Only**
   Pressing the MODE button again switches the unit to Fan mode. In this mode, the compressor indicator light turns off, signaling that the compressor has stopped working. The Fan light is illuminated.

Note: In Cooling mode, you can adjust the cool to temperature within a range of 59 to 95°F, with an initial temperature set at 68°F. You can use the up or down arrow buttons to raise or lower the temperature. The "Environment" display indicates the current room temperature, while the "Settings" display shows the temperature you've set. When the room temperature exceeds the cool to temperature, the Cooling system will activate.

TIMER Button

The unit features a timer ON/OFF function. When the unit is powered off, pressing the Timer key activates the timer ON mode, and pressing the Timer key again cancels the timer ON setting.

Conversely, when the unit is running, pressing the Timer key activates the timer OFF mode, and pressing the Timer key again cancels the timer OFF setting.

While in the timer ON/OFF setting state, you can adjust the timer time using the up or down arrow buttons.

The timer operates within a range of .5–24 hours. In timer ON/OFF mode, pressing the or arrow buttons adjust the timer's length of time in half hour increments.

Change from ℉ to ℃

Press at the same time the and buttons for 5 seconds. The display will change from ℉ to ℃ units.

Press and hold them again to go back to ℉.

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Compressor Overheat and Overload Protection

The compressor is safeguarded by overheating and overload protection mechanisms. Excessively high or low voltage, as well as extremely high environmental temperatures, can lead to overheating and overloading of the compressor. In such cases, the overload protector activates to disconnect the compressor's power supply, preventing damage.

Note: Activation of the overload protector results in the unit blowing out room-temperature air instead of cool air. If the overload protector is triggered frequently, it's important to identify and address the underlying cause before resuming the use of the unit.

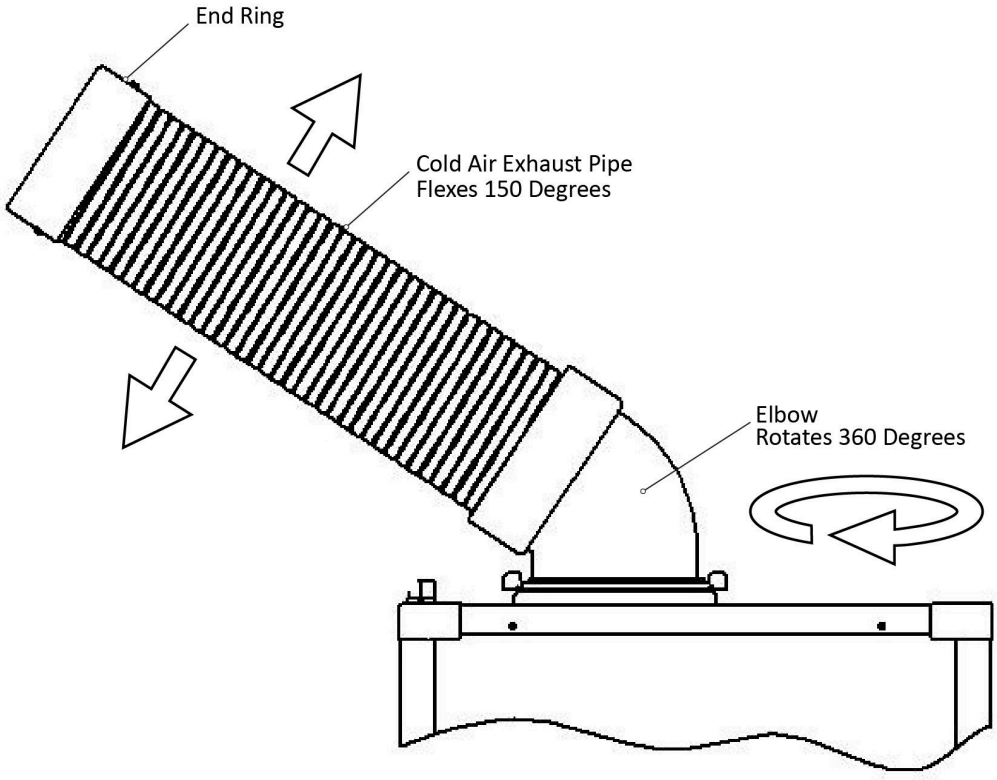
Range and Adjustment of Cold Air Exhaust Pipe(s)

Cold Air Exhaust Pipe(s) have a wide range of movement for your cooling needs.

They can be:

- rotated left or right 360 degrees
- moved up or down 150 degrees

Attention: When adjusting the Cold Air Exhaust Pipe, grip the Elbow for rotation and the End Ring for air flow direction. Do not grasp the Cold Air Exhaust Pipe directly.



(Figure 5)

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Condensate Water Tank

The Unit should never be operated without the Condensate Water Tank in place. Running the Unit without the Tank installed can result in water flowing into the Unit and onto the floor, potentially causing significant damage.

When the water tank reaches full capacity, the "Full" indicator light illuminates, the compressor stops running, the Unit halts operation, and an alarm sounds for one minute. At this point, carefully remove the Condensate Water Tank, empty it of water, and reinstall it. After restarting the Unit, it will resume normal operation.

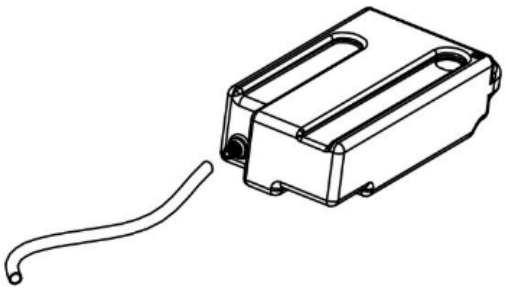
Attention:

1. Do not attempt to move the Unit if the Condensate Water Tank is full. Empty the tank before moving it.
2. The compressor is equipped with a 3-minute delay protection function. After emptying the water and reinstalling the tank, start the Unit's compressor. It will automatically delay for 3 minutes before resuming operation. During this delay, the fan will blow room-temperature air.

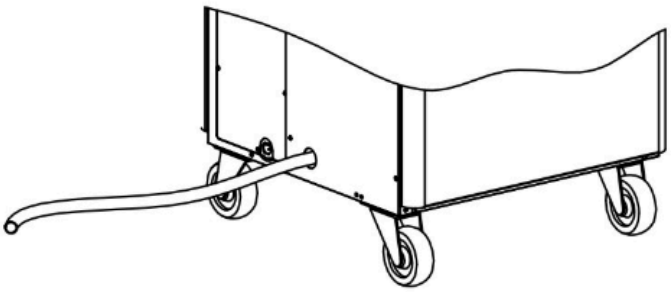
Condensate Water Tank - Drain Hose

Condensate water may be discharged from an optional Drain Hose.

1. Take the Condensate Water Tank out and attach the Drain Hose to the outlet port.
    a. Unplug the Drain Port Plug by pulling it out
    b. Attach ½” ID hose to the Drain Port



2. Feed the Drain Hose into the Water Tank housing and across and through the round hole on the corresponding side plate of the Unit.



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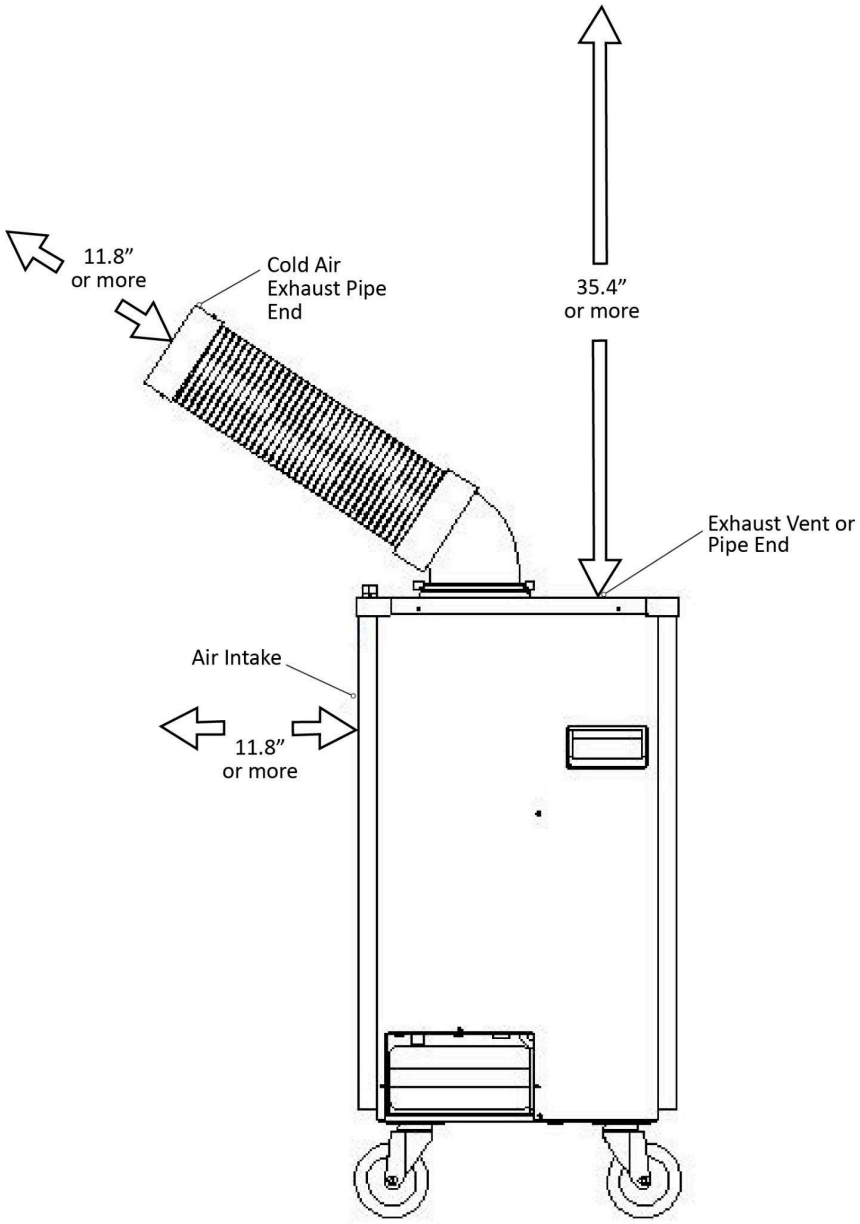
WARNING: Do not position the Drain Hose outlet in a location where the drained water will create a slip hazard.

Note: The end of the Drain Hose must be positioned so that it is lower than the Condensate Water Tank. If the end of the Drain Hose is higher than the tank, water will back up into the Condensate Water Tank and eventually overflow into the Unit and surrounding floor. This will cause severe damage to the Unit.

Positioning the Unit for Safe Operation

- When the Unit is running, both the Air Intake and the cold air pipe should be 11.8” or more away from the wall or other obstacles, and the hot exhaust vent or pipe end should be 35.4” or more away from the roof or other obstacles (See Figure 7).
- The Unit shall be placed on a flat floor. To avoid safety incidents, it is prohibited to place the Unit on a slope, uneven surface, house entrance or exit, etc.
- The Unit is designed for indoor use only. Do not use or store the Unit in locations where rain and or snow may have access to the Unit or its power supply. Do not operate the Unit with wet hands.

Attention: Do not place obstacles in front of the Air Intake, the outlet of the Cold Air Exhaust Pipe(s), and the Exhaust Vent or Pipe End. Do not point the hot air from the Exhaust Vent Pipe toward articles with poor heat resistance.



(Figure 6)

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Maintenance and Check

- **Clean the Filter Screen on a regular basis.** Dust and dirt on the Filter Screen may affect the air supply and cause frosting of the heat exchanger, which will cause the Unit to malfunction.
- **Filter Screen cleaning:** Use a vacuum cleaner to remove the dust from the Filter Screen and then use clean water to wash it. Allow to completely dry prior to replacement.

Attention: When cleaning the Unit's surfaces, do not use harsh chemicals, volatile oils, or other cleaning solutions that may damage the surfaces. Only use soft, non-abrasive cloths on the Unit's outer surfaces.

- Inspect the Power Cord for any damaged, frayed, pinched areas along its entire length. If damaged, do not use the Unit. The Power Cord must be replaced by the manufacturer, its service agent, or a similarly qualified person to prevent electrical hazards.
- Use the Test and Reset buttons on the LCDI Plug to verify whether the plug is working correctly.
- Check for any loose fasteners. If any are found, retighten.
- Before long-term storage of the Unit, remove any water in the Condensate Water Tank.
- Do not place or store the Unit horizontally or upside down.
- Store the Unit where children cannot access it. Avoid storing the Unit in locations with high temperatures, water exposure, or direct sunlight.

Fault, Cause Analysis, and Troubleshooting

If the Unit stops functioning properly, please immediately turn the power off and remove the power plug from the electrical source. Refer to the table below for Fault, Cause Analysis, and Troubleshooting.

Fault	Cause Analysis	Troubleshooting
Out-of-Operation	If the Power Plug is loose or partially inserted in the power source	Please insert the Power Plug firmly in the appropriate power source
	The Power Cord or Plug may be damaged	Inspect cord and test plug
	Fuse is burnt	Ask a professional to replace the fuse
Out-of-Refrigeration	The heat exchanger surface is blocked by filth	Clean the heat exchanger surface to ventilate it to give off heat
	Hot exhaust blower fails	Repair or replace the hot exhaust blower
	The external temperature is too high	Please use the Unit within its operating temperature range.

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	The compressor capacitor is damaged	Replace compressor capacitor
	Refrigerating system pipeline is clogged	Replace pipeline system
	Overly high or low input voltage	Please choose the proper voltage
	The compressor overheats and overload protection fails	Restart after cooling The unit may be operating in an environment outside its normal operating temperature range
	Compressor motor fails	Repair or replace compressor
Water Leakage	The drain tube is clogged (if installed)	Dredge drain tube
	The drain tube is pinched (if installed)	Verify drain tube is not pinched or that a heavy object is on it
	The drain tube and or end is higher than the location of the Condensate Water Tank (if installed)	Ensure the drain tube and its end are always lower than the Condensate Water Tank
	The Condensate Water Tank is not in the Unit	Replace
	The filter screen has dust and dirt	Please clean the filter screen
	The Condensate Water Tank's drain port plug may not be in or seated fully	Insert drain port plug
	The Condensate Water Tank is full	Poor water out in a timely manner
TC	Coil failure	Cancel system failure function, recoverable
CO	Compressor overload or overcurrent	Cancel system failure function, recoverable
E1	Indoor temperature sensor failure	Replace indoor sensors
E2	Cold air temperature sensor failure	Replace the cold air temperature sensor
E3	Evaporator temperature sensor failure	Replace the evaporator temperature sensor

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Contact Information and Support

General Information or Product / Installation Support:

Customer Service: customerservice@powerbreezer.com

Parts: parts@powerbreezer.com

Phone: 844.233.5673

Visit: www.PowerBreezer.com/support

For Sales Information:

sales@powerbreezer.com

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