POWER BREEZER

H-CLASS

H530M – 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.

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 appliance 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.

- 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.

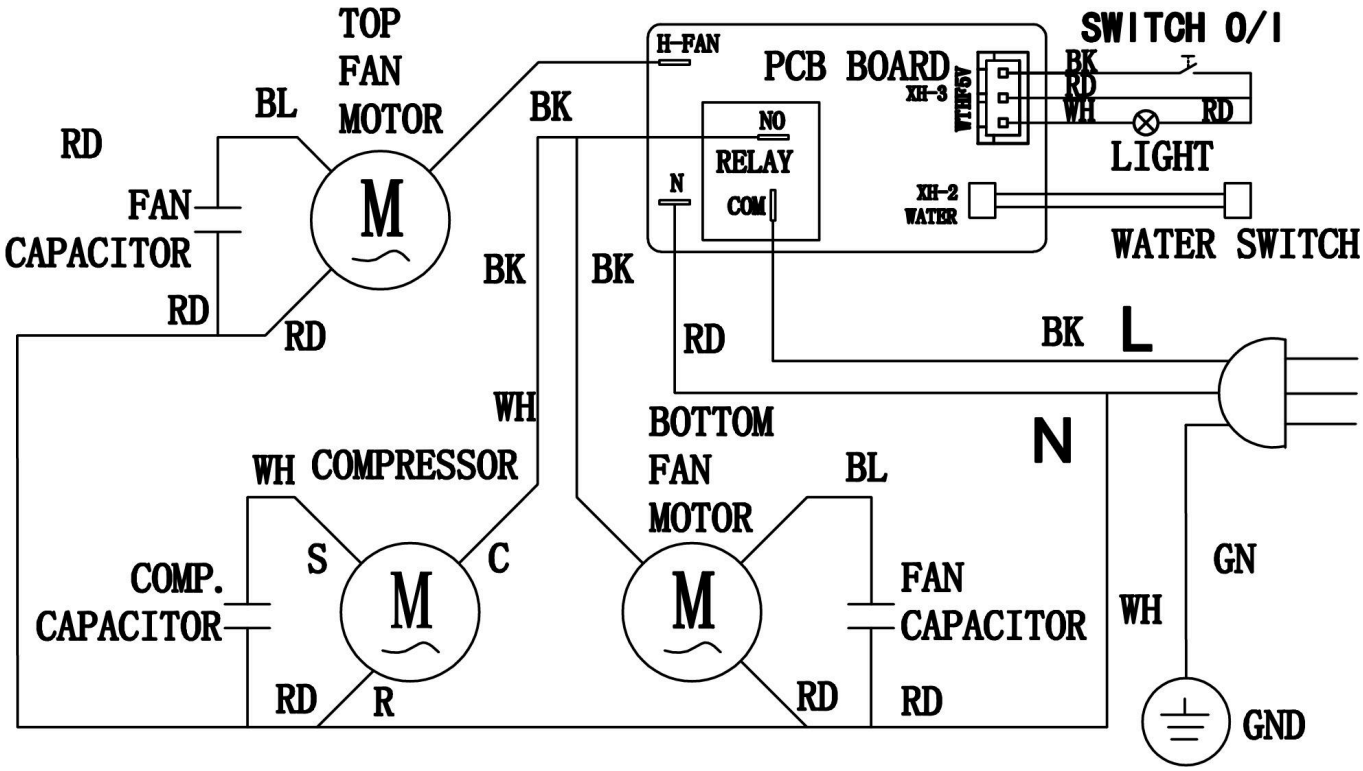
If the Unit becomes damaged or malfunctions, do not attempt to repair the unit. Doing so will void the warranty. Contact Power Breezer customer service for repair assistance. 1.844.233.5673 | customerservice@powerbreezer.com

Technical Specifications

Model	H530M
Power Supply	115V~60Hz
Refrigerating Capacity	7000 BTU/Hr
Rated Power	880 W
Rated Current	8A
Air Volume	135 CFM
Max Circuit Current	11A
Fuse Type and Rating	T Type 250VAC 3.5A
Working Pressure on Suction/Discharge Side	290/650 pisg
Maximum Working Pressure of Heat Exchanger	650 psig
Refrigerant/ Refrigerant Charge	R32/10.4 oz
Operating Condition	68–109°F
Weight	56.6 lbs
Product Dimensions (In.)	18.3x11.3x24.0

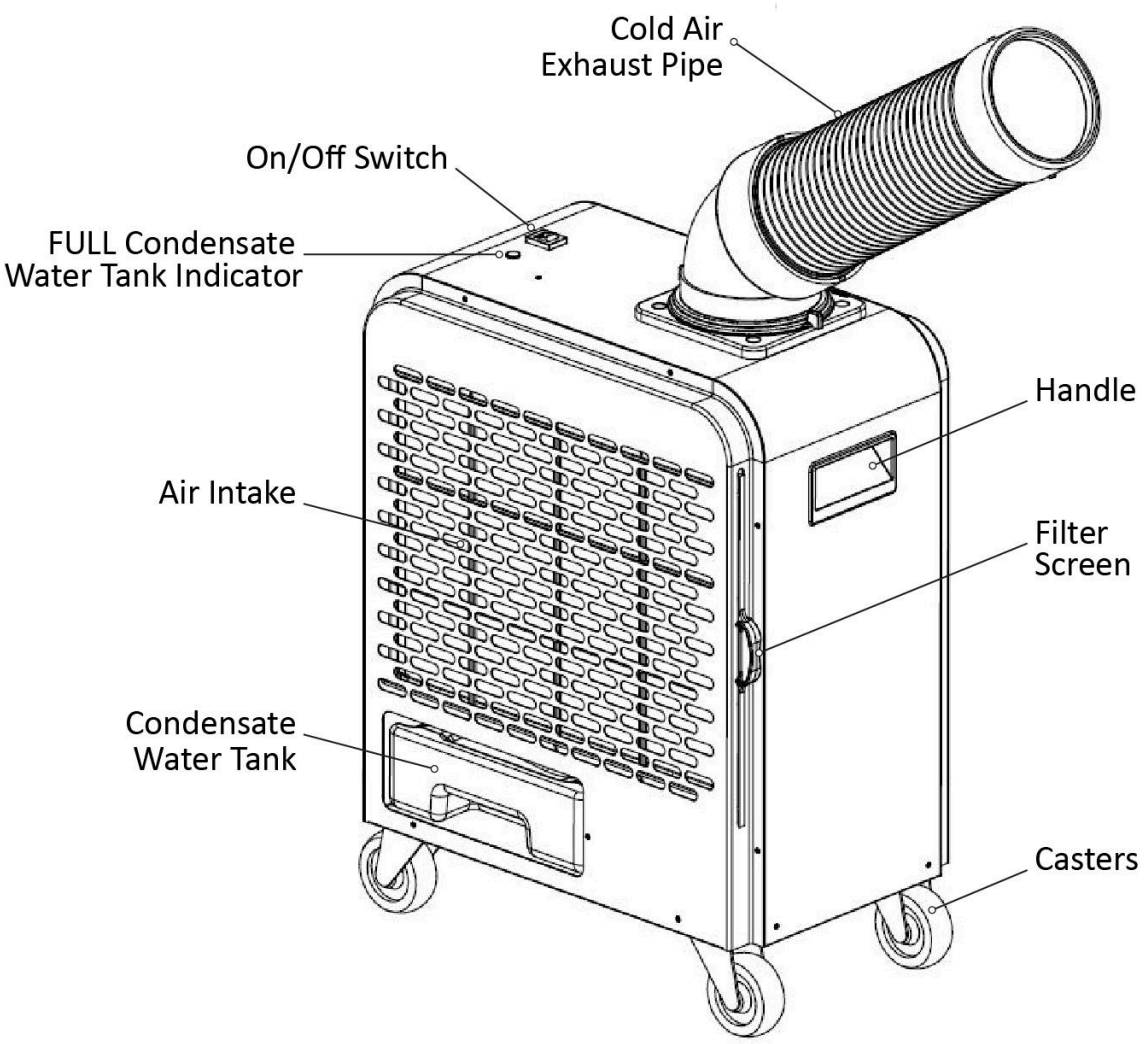
Power Breezers products are continually improved. For accurate technical parameters, please refer to the plate on your Unit.

Electrical Wiring Diagram

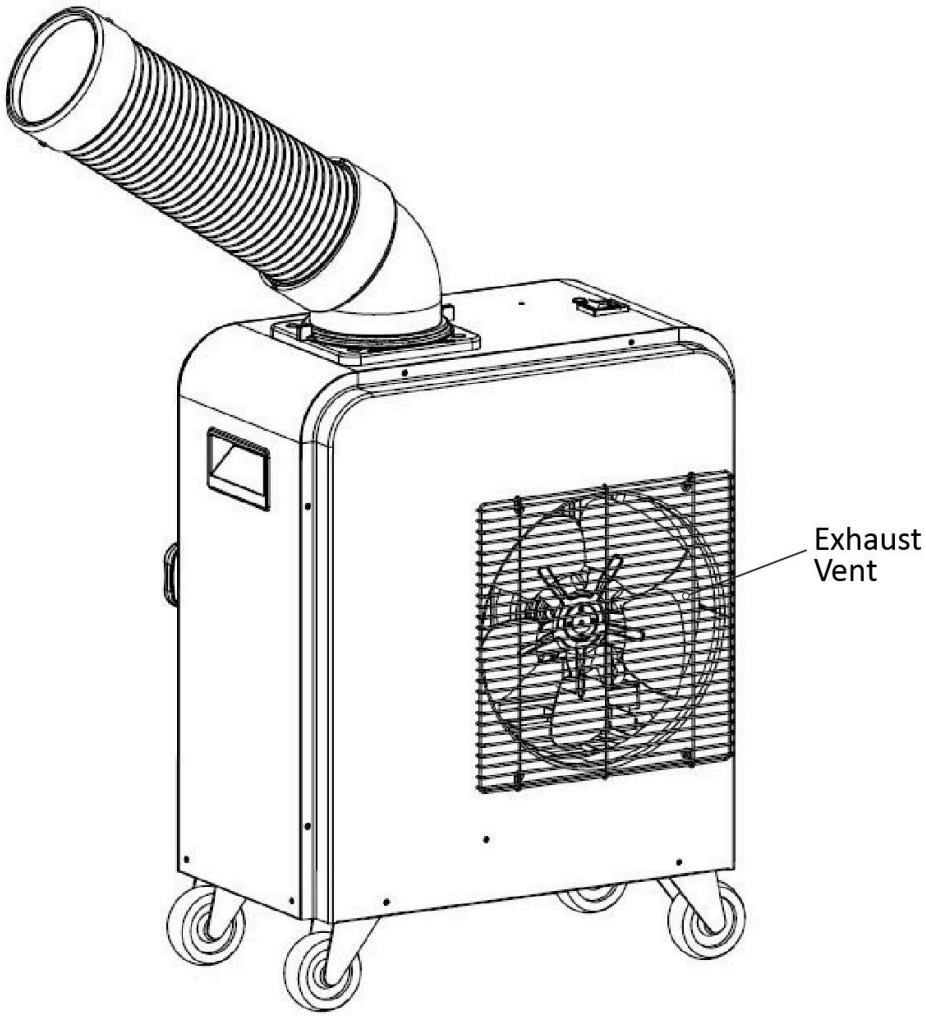


(Figure 1)

Unit Overview



(Figure 2)



(Figure 3)

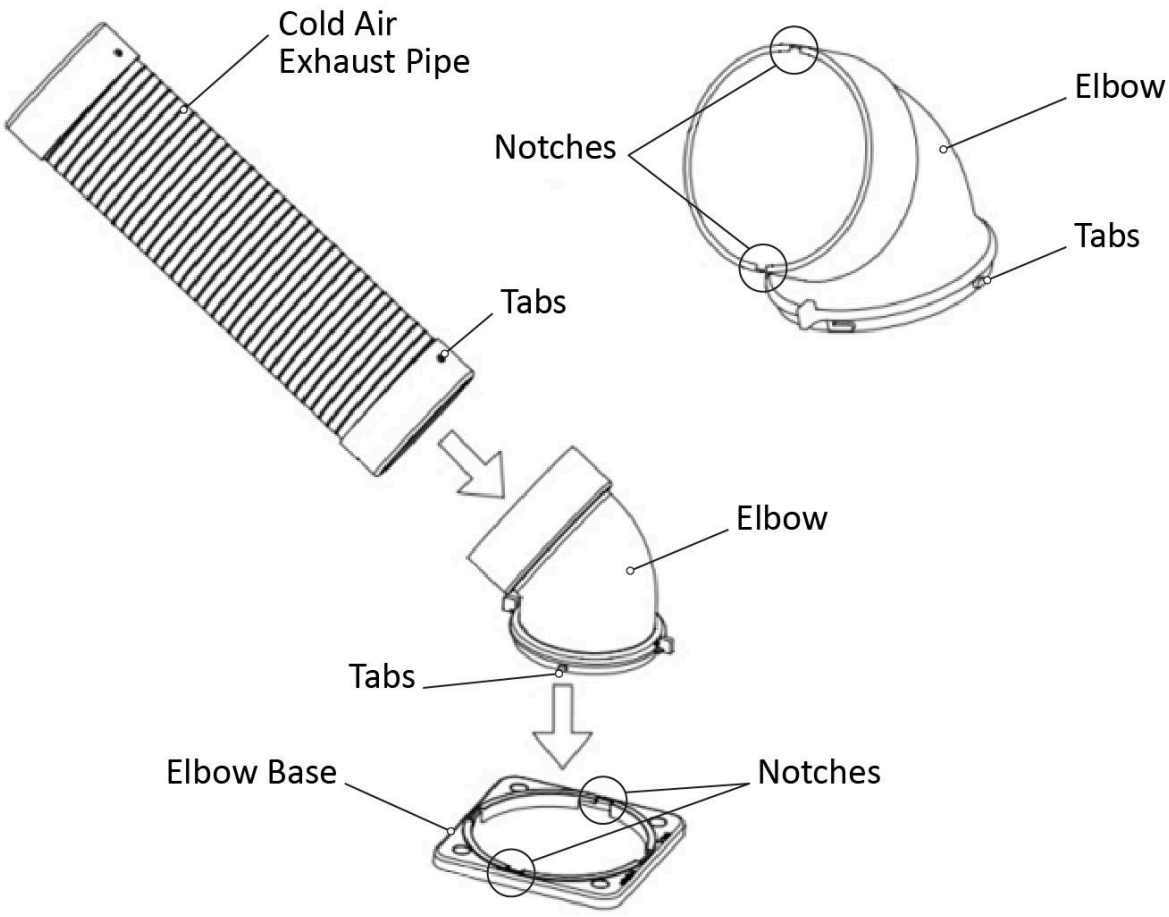
Cold Air Exhaust Elbow and Pipe Installation

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 4)

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 Unit will make a tone 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.

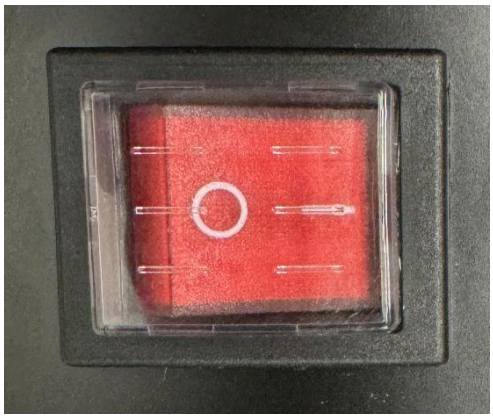
- **DO NOT** press the TEST button while the Unit is operating. Doing so may damage the Unit.
- The **TEST and RESET buttons should not** be used as “ON” and “OFF” switches.

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**.

Operating the Unit



(Figure 4)

- Connect the Power Cord to an appropriate power supply. A tone sound will indicate that the Unit is connected to the power supply.
- To turn the Unit ON, press down on the rocker switch “I” in the upper part of the Unit. This will start the compressor and fan.
- To turn the Unit OFF, press down on the rocker switch "O".

Notes:

The Unit has a 3-minute delay protection function for the compressor. Upon restarting the Unit after turning it off, the compressor will automatically delay for 3 minutes before cooling will begin again. Before the 3-minute delay is complete, the fan will only blow out room temperature air.

Switch the Unit off before relocating it.

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.

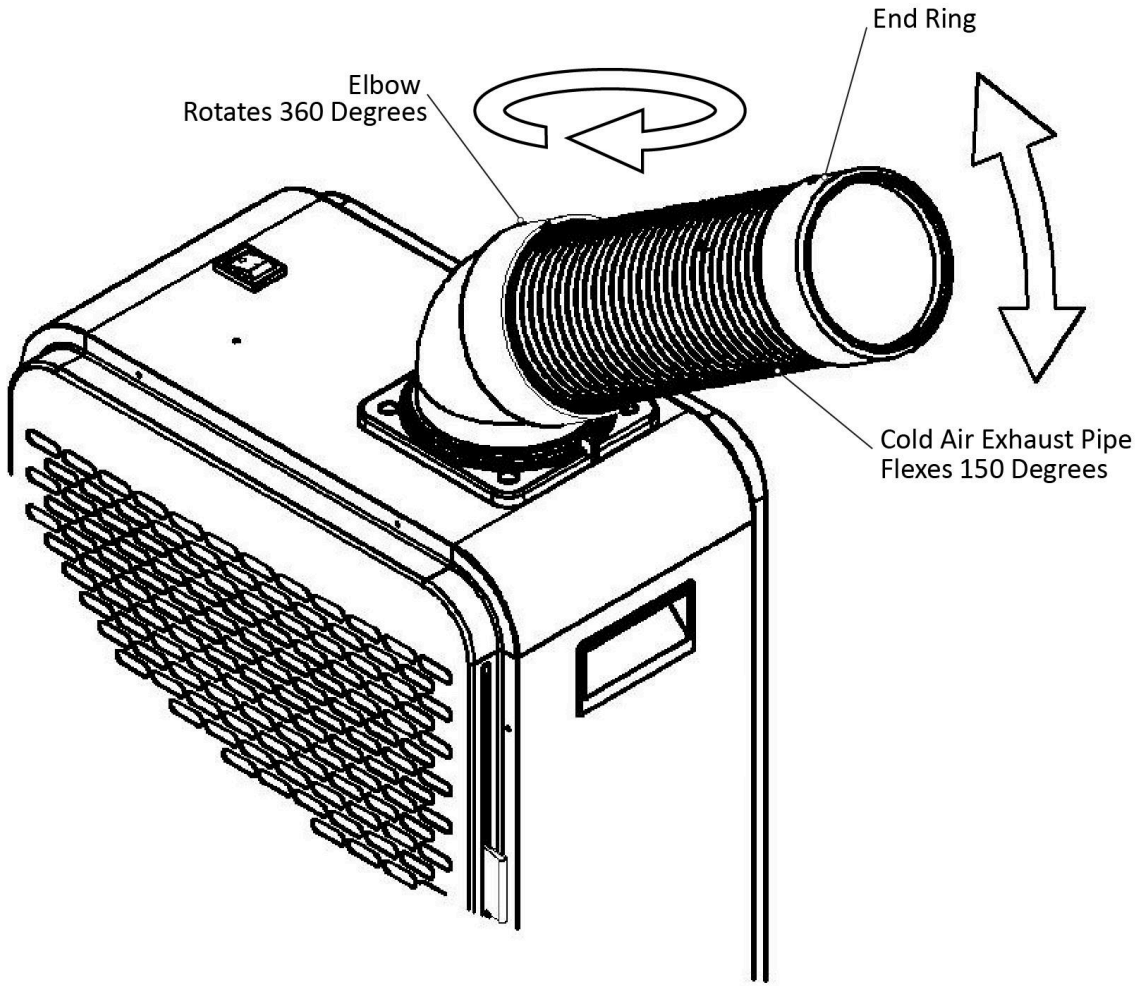
Range and Adjustment of Cold Air Exhaust Pipe(s)

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

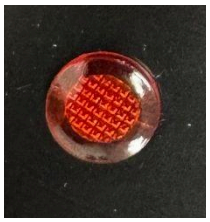
Attention: When adjusting the Cold Air Exhaust Pipe, grip the Elbow for rotation and the End Ring for air flow direction. Do not grasp the Cold Air Exhaust Pipe directly.



(Figure 5)

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.

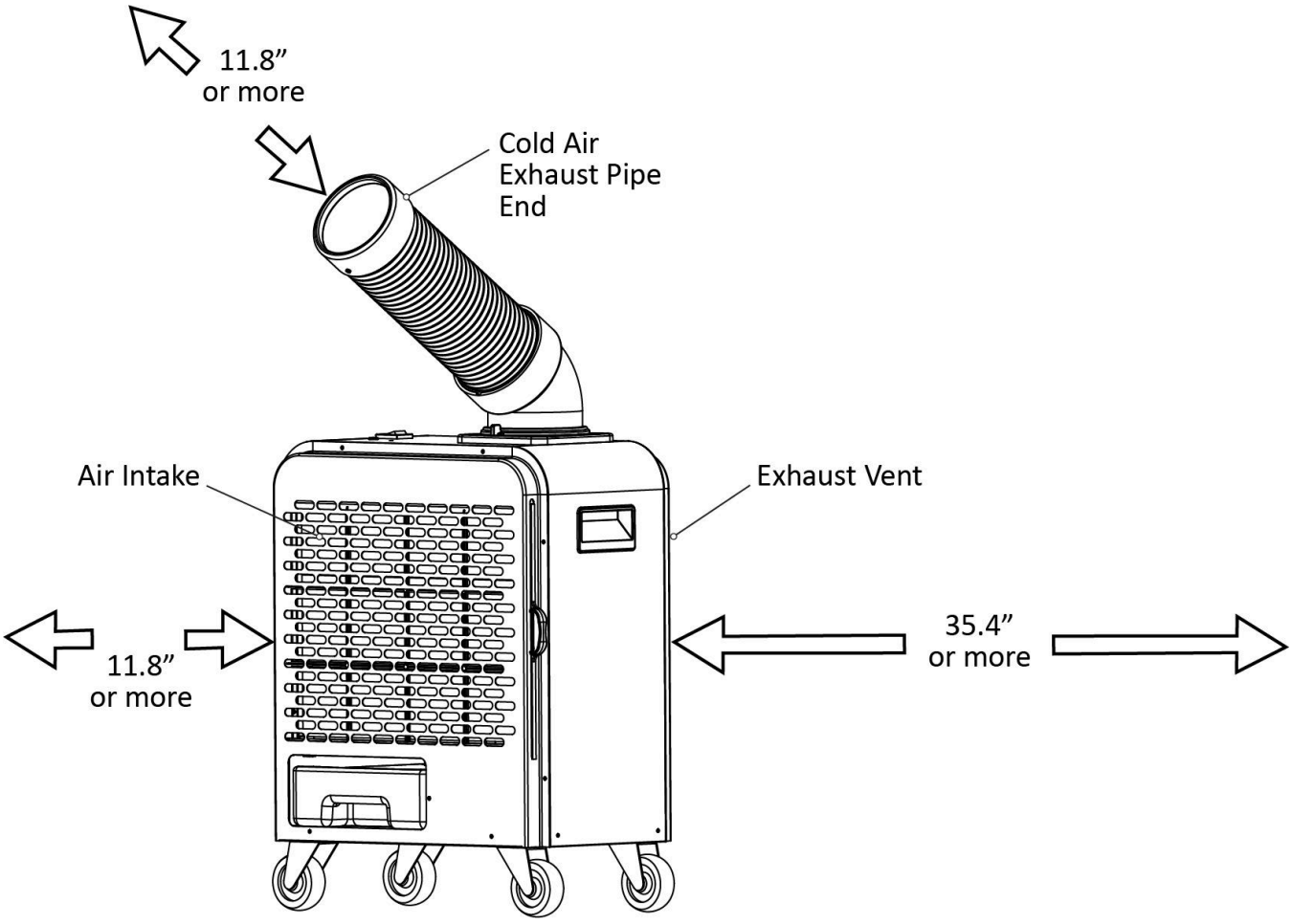
Attention:

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.

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 6).
- 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)

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.
	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 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 is full	Poor water out in a timely manner

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

Phone: 844.233.5673

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