Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described.

Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and / or property damage! Retain instructions for future reference.

WELTEM ICEND Portable Air Conditioners

Description

Weltem Portable Air Conditioners feature spot cooling for large areas where cooling of the entire area is not practical. A dedicated spot cooling thermostat controls the unit in this application.

These air conditioners can also be used in smaller areas for room cooling.

A control panel provides ease of use and contains a self-diagnostic function and display, showing operating modes, room and set temperatures, and faults.

If an abnormal operation occurs, a visual display of the fault is shown. Caster wheels are included for easy portability. Suitable applications include: a factory or work place, computer room, emergency cooling, etc.



WPC-5000P Figure 1

Unpacking

After unpacking the unit, carefully inspect unit for any damage that may have occurred during transit. Check for any loose, missing, or damaged parts.

Specifications

Model	Cooling Capacity	Refrigerant	Electrical supply	Rated Current Amps	Power Consumption Watts
WPC - 5000P	21,100BTU (6.18Kw)	R32 (520g)	230V, 1phase, 50hz	9.07 A	2.07 kW
Model	Depth / Width/ Height / Weight	Fan speeds	Air flow (high/low)	Noise level at 3m (high/low)	Operating range
WPC - 5000P	523 / 670 / 1042 (mn / 84kg	n) 2	459 / 446 CFM	Below 70 dB	A 18~45°C



"Original instructions" General Safety Information

Please read this manual carefully for instructions on correct installation and usage. Please read all safeguards.

- 1. Transport and store the unit in an upright position only. Leave unit in an upright position for at least 3 hours before first use.
- 2. Always place the unit on an even, level surface.
- 3. Ensure the unit is connected to a grounded power supply of the correct rating / capacity.
- 4. The unit will cool when the room temperature is between 18°C (64°F) ~ 45°C(113°F) depending on the thermostat setting.
- 5. DO NOT use this unit for functions other than those described in this instruction manual.
- 6. DO NOT tilt the unit.
- 7. DO NOT cover or obstruct the unit's inlet and outlet grilles.
- 8. DO NOT use the unit in areas where it will be exposed to rain or water.
- 9. NEVER unplug the unit while it is operating.
- 10. Appliances using flammable refrigerants.

A WARNING DO NOT use the unit in wet environments, such as a laundry room, to avoid the risk of electrical shock.

- 11. DO NOT place any foreign objects on the unit.
- 12. DO NOT operate the unit with wet or damp hands.
- 13. DO NOT allow chemical substances to come into contact with the unit.
- 14. DO NOT operate the unit in the presence of flammable substances or vapors such as alcohols, pesticides, gasoline, etc.

A WARNING DO NOT operate the unit in explosive or flammable environments.

- 15. DO NOT use the plug to start and to stop the unit. Always use the control panel to start and to stop the unit.
- 16. Always turn off the unit when it is not in use and unplug the power plug from the electrical outlet.
- 17. Always turn the unit off and unplug the main power plug from the electrical outlet before cleaning, moving or performing maintenance.
- 18. AVOID the use of adapter plugs or extension cords. If it is necessary to use an extension cord or an adapter plug to operate the unit, ensure that they are correctly rated for the application. Consult a local qualified lectrician and all local electrical codes to ensure proper setup. Any extension cord used with this device must be rated for a minimum of 15A, 230V.



19. DO NOT unplug the unit by pulling on the electrical cord. Keep electrical cord away from heat sources and always completely unroll the cord to avoid overheating. If the power cord be-comes damaged, a qualified service agent, qualified electrician, or similarly qualified person must replace it, in order to avoid a hazard or shock.

A WARNING DO NOT operate a unit with a damaged power cord.

- 20. The filters must be used with the product at all times. When the filters are removed for cleaning, always ensure that the unit has been turned off and unplugged from the electrical outlet.
- 21. Regularly clean the filters to maintain efficiency. If the filters are not cleaned regularly, the units output performance and efficiency will decline and energy consumption will increase.
- 22. DO NOT operate the unit with a damaged power cord or plug, after it malfunctions, has been dropped or damaged.
- 23. Only use in the upright position on an even, flat surface. Unit must be positioned at least 24 inches (60 cm) from the nearest object in any direction.
- 24. Stop operation immediately if abnormal noise or odor is noticed. Contact a local service center.
- 25. 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 use of the appliance by a person responsible for their safety.
- 26. This appliance can be used by children aged from 8 years and above and persons with re duced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- 27. The appliance shall be installed in accordance with national wiring regulations.
- 28. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 29. This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.

SAVE THESE INSTRUCTIONS



Assembly (WPC-5000P)

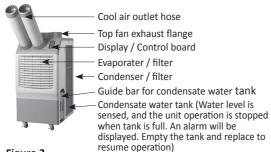


Figure 2 Front and Right side View

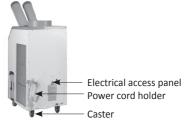


Figure 3 Back and Left side View



POWER CORD HOLDER

- 1. Take out the cord holder from the accessory box.
- Place the cord holder on the back side of air conditioner.
 Use screws (enclosed inside
 - of accessory box with cord holder) to install the cord holder on the air conditioner as shown in Figure 4.

Figure 4



TOP FAN EXHAUST FLANGE

- 1. Remove the top fan exhaust flange from carton.
- 2. Place the top fan exhaust flange on the top of air conditioner.
- Use screws (enclosed inside of box with the top fan exhaust flange) to install the top fan exhaust flange on air conditioner as shown in Figure 5.

Figure 5



Figure 6

CONVENIENT DETACHABLE DUCT

By applying a detachable duct that can be easily inserted by turning it around at once, it is easy to attach and detach, adding convenience to air conditioner management.

Insert a hose(B) into a duct(A) by turning to the left or right. If you heard the clack of duct, the connection is completed. Turn the hose to the right or left to remove the hose.



Installation

WARNINGS REGARDING PROPER LOCATION FOR INSTALLATION

	Do not use the unit in explosive environments or in areas where flammable gas leakage may occur.
	Do not use the unit in areas where it will be exposed to rain or water.
A WARNING	Do not use the unit in a corrosive atmosphere.
	Do not use the unit above 18°C(64°F) ~ 45°C(113°F).
A WARNING	Do not install the unit on uneven or sloping surface. The unit may roll or top- ple over even if the casters are set to the locked position.

MOVING THE UNIT

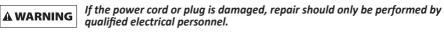
Unlock the casters and push the unit using the side handles to a flat, level surface and set the caster brakes to the locked position.

PLUGGING IN THE UNIT

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.

Check the power cord, plug and prongs for damage or excess play.

If any damage or excess play is found, contact a qualified repair technician or a qualified electrician to perform replacement or repair of the power cord, plug or prongs.



Do not connect / disconnect the power cord or attempt to operate buttons with wet hands. This could result in electrical shock.

NOTE: Make sure the AC outlet is free of dirt, dust, oil, water, or any other foreign material. The unit is equipped with an approved NEMA plug configuration

The appropriate outlet must be used for each plug type.



A WARNING

This symbol means to read the instruction manual carefully.



This symbol indicates that information is provided, such as in the user manual or installation manual.



This symbol means that this appliance uses a flammable refrigerant. There is a risk of fire if refrigerant leaks and is exposed to an external ignition source.



This symbol means that service personnel must refer to the installation instructions when handling this equipment.



Operation CONTROL PANEL



Figure 8

- $\cdot\,$ Press the power button for 0.5 seconds to activate the product.
- $\cdot\,$ Press the power button for 0.5 seconds while driving to stop the product.
- Self-diagnosis will be performed to test for abnormalities, after marking "VER" for 3seconds when power is "ON". And the blowing is operated as "High", and the compressor is operated after 1 minute.





• Press "Timer" and "UP" Button simultaneously to set Celsius or Fahrenheit.







- 1) Cooling mode (SPOTCOOL Mode)
- · The basic operation is based on "out" control. (discharge temperature TH1)
- \cdot On/off the operation of the compressor. (COOL \leftrightarrow BLOWER)
- The set temperature cannot be changed and it operates which is set to 0 degrees Celsius.
- 2) Cooling mode (ROOMCOOL Mode)

2) When blower is operating

- Press (* "COOL" and (* Blower" Button simultaneously to set the "Spotcool mode" and "Roomcool mode".
- · Press "UP" or "Down" Button to set the target temperature





Cooling mode.

- · LOW \rightarrow HIGH \rightarrow AUTO It consists of three modes and operates in circulation.
- · LOW, HIGH, AUTOIn "LCD", the middle wing of each mode rotate and operate.



· AUTO MODE

- If the power source becomes "on" after "off", it operates as "auto" and then as "high" or "low" depending on the sensor value after 3 seconds.
- The difference between "current temp" and "target temp" operates as "high" when it is 8 degrees Celsius or higher, and "low" when it is 6 degrees Celsius or lower.



	 It is a mode that prevents the operation of the rest of the buttons except for power. It can be operated and released by pressing for 2 seconds. 				
BLOWER UP LOCK MODE	← Examp of a set		← Example of releasing it.		
BLOWER Blowing mode	 1) The compressor does not operate, but only the blowing fan operates. LOW → HIGH → AUTO It consists of three modes and operates in circulation. 				
TIMER Timer mode	 1) Press "Time" button for 2 seconds to activate Time icon. 2) Press Buwer" button to operate time setting. Press "Blower" button to save after pressing Timer setting (when the unit is ready to operate) OFF -> Timer setting (when the unit is operating) 3) Press "Blower" button to set the desired time. The timer can be set maximum 720min (12Hour) 4) To cancel the timer, press "Time" and "UP" Button simultaneously, or set the time to "0" Concernment of displaying the remaining time (minutes) during "timer" operation during cooling. 				



Maintenance

FILTER CLEANING (See Figures 9 and 10)

There are two filters in the unit. The evaporator filter is located at the front of the unit. The condenser filter is located at the side of the unit.

- 1. loosen up 2 bolts on the front filter guard.
- 2. Slide filter up and use a vacuum cleaner to remove the dust from the filter.
- 3. If the filter is heavily covered with dust and dirt, warm water and mild soap or neutral detergent may be used to wash the filter. Do not use any other chemicals to clean filter, as they will likely damage the filter.
- 4. Dry the filter in a shaded area before replacing it. Do not operate the unit without the filter installed and the filter guard in the closed position.
- 5. Replace the clean filter and close the filter guard.
- 6. To clean the condenser filter, lift up on the side filter from the middle bar slightly and then angle the filter outwards from the bottom and remove.
- 7. Use the same cleaning procedure as above (3 5).
- 8. To replace the condenser filter, place the top of the filter in the guide and slide the filter up until the bottom of the filter clears the frame. Then push the bottom of filter into the guide and let filter gently fall inside the guide.

NOTE: For effective cooling clean the filter at least every 2 weeks.



 Loosen up 2 bolts on the front filter guard.

 Slide filter up and use a vacuum cleaner to remove the dust from the filter.

ve

- Remove dust from the filter using a vacuum cleaner hose attachment.
- If required wash the filter in lukewarm water with a mild detergent. Leave to dry in a shaded area before reinstalling.

Figure 9 – Removing Filters

Do not operate without the filter fitted.



Do not operate the unit with a damaged cord or plug, after the unit malfunctions, or if the unit has been dropped or damaged.

Figure 10 – Removal of Dust

- For your convenience, record the complete model number and product name (located on the Product Identification Plate), the purchase date, purchase location, serial number, and warranty period in the table below.
- Also, attach your purchase receipt as proof of purchase to this instruction manual for future reference.
- To ensure your product is covered by warranty, the complete faulty product along with your original purchase receipt must be provided at the place of purchase.



Maintenance (Continued)

 To ensure your product is covered by warranty, the complete faulty product along with your original purchase receipt must be provided at the place of purchase.

Product	Portable Air Conditioner
Model No.	
Date of Purchase	
Place of Purchase	
Serial No.	
Period of Warranty	

Customer: Please read and keep this manual for future reference and keep sales receipt as proof of purchase.

SPRING REPLACEMENT (See Figure 11)

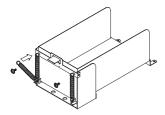


Figure 11 – The process of spring replaccement

There are two springs on the rear of condensate water tank guide. 1. Release the screw on the spring hook.

- 2. Take off the spring hook, and then pull out the opposite spring hook from hole in the condensate water tank guide.
- 3. Replace with a new spring in reverse order.
- 4. Repeat this cycle for the other spring.

SELF-DIAGNOSTIC CODES (See Table 1)

The alarm light is activated if abnormal operation occurs, and a code is displayed on the control panel. The compressor and condenser fan motor will stop operating. The evaporator fan will continue to run for 3 minutes. If the fault is rectified within 3 minutes, the unit will resume operation. If the fault persists for more than 3 minutes, the evaporator fan also stops. The fault must be rectified before the unit can resume normal operation.



SELF-DIAGNOSTIC ALARM CODES			
Alarm Display	Problem	Cause	Corrective Action
	Compressor overloaded	 Ambient temperature is too high Unstable voltage supply Defective compressor 	 Do not use the air conditioner if ambient temperature is higher than 45°C (113°F) Contact a qualified service agent Replace compressor
FT	Condensate water level alarm	Condensate tank is full	 Empty the water tank After installation of the water tank, press the SPOT/COOL or ROOM/ COOL button to resume operation
F]]	Drain pump alarm	Drain pump defective or improper hose connec- tion (including kink or blockage)	 Check the aconnection and hose Replace drain pump
HP	Refrigerant high pressure switch	 Blocked air filter Blocked / kinked exhaust duct Ambient temperature is too high 	 Clean air filter Ensure exhaust duct is not blocked / kinked Do not use the air conditioner if ambient temperature is higher than 45°C (113°F)

Table 1- Alarm Codes



SELF-DIAGNOSTIC ALARM CODES			
Alarm Display	Problem	Cause	Corrective Action
51	Abnormal tempera- ture sensor value	TH1(Outlet) temperature sensor has a loose or broken connection	Contact a qualified service agent
52	Abnormal tempera- ture sensor value	TH2(Inlet) temperature sensor has a loose or broken connection	Contact a qualified service agent
53	Abnormal tempera- ture sensor value	TH3 (Prevention of Freeze) Sensor open circuit or poor connection.	Contact a qualified service agent
I	Frost prevention sensor and Abnormal temperature sensor value	 Indoor heat exchanger temperature too low TH3 temperature sensor has a loose or broken connection 	 Do not use the air conditioner if ambient temperature is lower than 18°C (64°F) Contact a qualified service agent

Table 1- Alarm Codes



WWPI2C5600B

Wiring Diagram

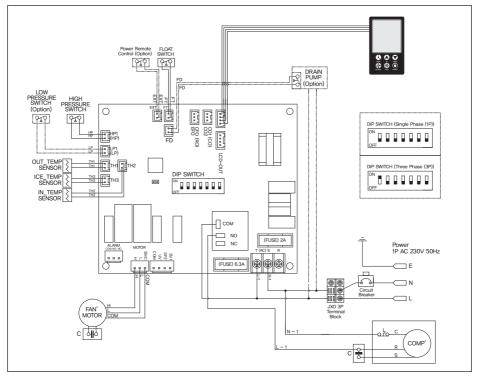


Figure 12 - Circuit Wiring Diagram (WPC-5000P)



Troubleshooting chart

Symptom	Possible Cause(s)	Corrective Action
	Position issue / Damage	 Check the water tank is placed on the correct position Replace the damaged water tank with the new one.
Water leakage		 Remove any object stuck underneath the Drain Pan underneath the water tank
	FT sensor error	 Replace the FT sensor after check it. (ask to Customer Service Center)
	Drain pump issue	 Remove blockage from drain hose Replace the defective drain pump with the new one.
	Check the power supply to verify that power is available to the unit	1. Reset the circuit breaker and restart the unit
The unit doesn't work	Verify that the power cord is connected	1. Connect power cord
	Trip off the circuit breaker	 Electrical access panel in Reset the circuit breaker and restart the unit (Consult a local qualified electri- cian)
No cold air flows from the cold air outlet	Ambient air cannot be properly cooled if the filter is dirty and not regularly cleaned	1. Clean the filter



Symptom	Possible Cause(s)	Corrective Action
	Compressor will not work if the unit is turned off and on quickly.	 Wait 3 minutes after unit is turned off before turning the unit back on. Check the Cool Icon If the light is off, A/C will be activated after light is on.
No cold air flows from the cold air outlet	Refrigerant leaking	1. Charge the refrigerant
	The ambient air temperature may be too high	1. The temperature of the com- pressor can be higher when the ambient temperature is too high. The compressor will not work unless the ambient air temperature is within the acceptable operat- ing range of the unit
Water flow can be heard after compressor shuts off	No cause	Common to hear coolant flow- ing after unit shuts off
Alarm displays "FT" with less than half of condensate water in the tank Spring is possibly broken	Spring is possibly broken	Replace a new spring (See Maintenance page 13)

* A defective unit must be repaired by a qualified company.



LIMITED WARRANTY

WELTEM ONE-YEAR LIMITED WARRANTY. WELTEM PORTABLE AIR CONDITIONERS, MODELS COVERED IN THIS MANUAL, ARE WARRANTED BY WELTEM TO THE ORIGINAL USER AGAINST DEFECTS IN WORK MANSHIP OR MATERIALS UNDER NORMAL USE FOR ONE YEAR AFTER DATE OF PURCHASE. ANY PART WHICH IS DETER-MINED TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP AND RETURNED TO AN AUTHORIZED SERVICE LO-CATION, WELTEM DESIGNATES, SHIPPING COSTS PREPAID, WILL BE, AS THE EXCLUSIVE REMEDY, REPAIRED OR REPLACED BY WELTEM OPTION. FOR LIMITED WARRANTY CLAIM PROCEDURES, SEE "PROMPT DISPOSITION" BELOW. THIS LIMITED WARRANTY GIVE PURCHASERS SPECIFIC LEGAL RIGHTS WHICH VARY FROM JURISDICT-ION TO JURISDICTION.

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Prompt Disposition. A good faith effort will be made for prompt correction or other adjustment with the respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call dealer from whom the product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Weltem at the address below, giving dealer's name, address, date, and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

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