

Bio®

USER MANUAL

PORTABLE AIR-CONDITIONER

 N27564



CONTENTS

SPECIFICATIONS	1
IMPORTANT SAFEGUARDS	2
FEATURES AND PARTS LIST	4
PANEL CONTROL	5
REMOTE CONTROL	6
OPERATION METHODS	7
INSTALLATION	8
WATER DRAINAGE METHODS	10
MAINTENANCE	11
TROUBLE SHOOTING	12
INSTALLATION ACCESSORIES	13
APPENDIX	14

APPENDIX

Fuse Parameter



Type: FSD

Voltage: 240V

Current: 3.15A



Disposal: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

  		
PORTABLE AIR CONDITIONER		
MODEL	PA300	
COOLING CAPACITY	5.68kW	
HEATING CAPACITY	6.04kW	
REFRIGERANT/CHARGE	R410A/480g	
POWER SUPPLY	240V/50Hz	
RATED INPUT	COOLING	1400W
	HEATING	1460W
PERMISSIBLE EXCESSIVE OPERATING PRESSURE (SUCTION/DISCHARGE)	2.0MPa/4.8MPa	
MAXIMUM ALLOWABLE PRESSURE (LOW PRESSURESIDE / HIGH PRESSURE SIDE)	2.2MPa/5.5MPa	
AIR FLOW	450m ³ /h	
NOISE	52dB(A)	
NET WEIGHT	31 kg	
DIMENSION (W×H×D)	318×710×528mm	

Energy Saving Tips.

- Do not cover or restrict the airflow from the outlet or inlet grills.
- The minimum distance from walls and furniture etc should be 50cm.
- Keep window blinds and /or curtains, closed during the sunniest part of the day.
- Keep the filters clean. Under normal conditions, the filters should be cleaned approximately every 30 days. Since the filters remove airborne particles, more frequent cleaning maybe necessary, depending on the indoor air quality.
- Set the fan to "high cool" and the thermostat to the coolest position for the initial start-up, then set the fan to "low cool" and adjust the thermostat to a comfortable setting.

TROUBLESHOOTING

Before contacting customer service, firstly check the following:

Trouble	Check	Solution
<i>Unit does not operate</i>	Is power available? Is the fuse blown, or power switch off? Is the auto-on timer on? Is water full alarm on?	Check that the mains supply to the unit is correct. Change the fuse, switch unit on. Change or switch off the timer. Drain water.
<i>Cooling/heating efficiency not good</i>	Is the air inlet or outlet blocked or filters dirty? Are there any other heat sources in the room? Is the set temperature suitable? Is fan speed set at low?	Remove any blockages and clean the filters. Remove the heat source. Change the temperature. Select a suitable fan speed.
<i>Unit noisy / vibrating</i>	Is the unit inclined?	Place the unit on a flat and level surface.
<i>Unit frequently starts and stops</i>	Is the voltage normal? Is the exhaust tube kinked or bent? Have you added additional exhaust tubes?	Check that the mains supply to the unit is correct. Set the exhaust tube correctly. Remove any extra tubes.



Stop using the unit immediately and contact customer service if any of the following occur:

- The fuse blows repeatedly.
- The mains electrical cord becomes excessively hot or any part of the cord or insulation is damaged.
- Abnormal odour or smoke comes from the unit.

Self-Diagnosis Error Codes

Error code	Meaning
E2	Room temperature faults
E3	Faulty coil temperature
E4	Indicates the coil is defrosted. This is the normal status.

INSTALLATION ACCESSORIES

Description:

- Flexible exhaust hose with adapters1/set
(Φ : 15cm Stretch from 36cm up to 150cm)
- Window exhaust adapter (flat mouth).....1pc
- Adjustable window slider kit1/set
From 35 3/8" 90cm) up to 51 1/8" (130cm)
- Screw (the length is 3/8").....1pc
- Water cup1pc

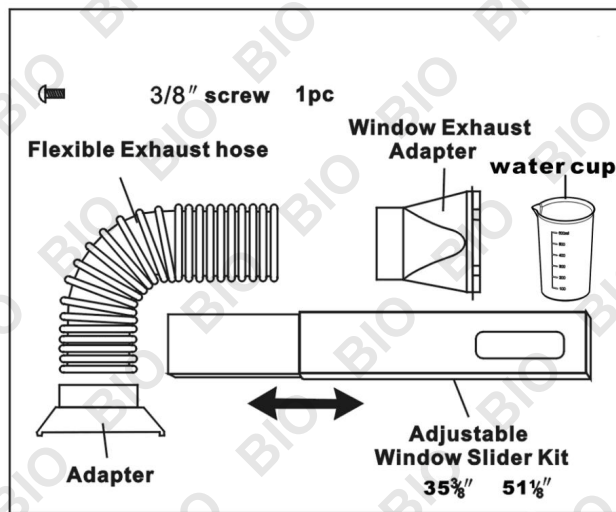


Fig. 15

SAFETY

- Read all instructions.
- Disconnect the power plug before dismantling, assembling or before cleaning.
- Avoid touching moving parts of the appliance.
- Never insert fingers, pencils or any other objects though the guards whenever the power plug is connected, especially while running.
- The appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the unit safely.
- Young children should be supervised to ensure that they do not play with the appliance.
- Do not use the appliance for any other purpose than its intended use.
- The appliance must not be used if the guards are not fastened according to instructions.
- When the power cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Do not use your appliance with an extension cord unless it has been checked and tested by a qualified electrician or electrical supplier.
- The air conditioning unit must always be stored and transported in an upright position, otherwise you may cause irreparable damage to the compressor. It is recommended to wait at least 24 hours before first starting the air-conditioning unit.**
- Avoid restarting the air conditioning unit unless 4 minutes have passed since being turned off, or the compressor may get damaged.
- Never use the mains plug as a switch to start and turn off the air conditioning unit. Use the provided ON/OFF switch located on the control panel.
- Always place the portable air conditioner on a dry, flat and level surface.

CONTROL PANEL

CAUTION: If the unit is turned off in Cool / Dry / Heat mode and restarted immediately, it will wait at least 3minutes before running again.

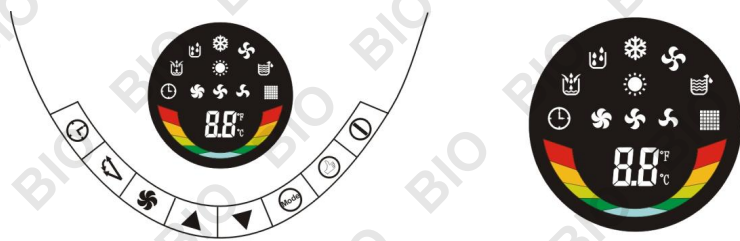


Fig. 3

1. Buttons

- ⌚ **Timer:** Press to activate Timer mode.
- 🪼 **Louvre Swing:** Press to activate vertical louvre swinging. Press again to stop.
- 🌀 **Fan Speed:** Press for 5 seconds to select high, medium or low fan speed.
- ▲ ▼ **Up / Down:** Press to set temperature or adjust time in Timer mode. Press simultaneously to change temperature units between Celsius and Fahrenheit.
- 🌡️ **Mode:** Press to select Cool, Heat, Dry or Fan mode (Heat mode only in some models).
- 🕒 **Economy:** Press to use Energy Save mode (only in Heat and Cool mode). The temperature is set to 27°C in Cool mode and 23°C in Heat mode. The fan speed is low. These settings cannot be changed. The LED display will flash 🌀 or 🌀 accordingly. Press again to cancel Energy Save mode.
- ⏻ **Power:** Press to switch the unit ON / OFF.

2. LED display

- ⌚ Timer mode indicator
- 🌡️ 🌀 🌀 🌀 Dry, Cool, Fan and Heat mode indicator (no 🌡️ in some models)
- 🌀 🌀 🌀 High, medium and low fan speed indicator
- 🪼 Water Full indicator
- 🕒 Water Empty indicator
- 📺 IR receiver window
- 8.8 Time, temperature and error code indicator.
- °C °F Temperature unit indicator.

WATER DRAIN and FILL METHODS

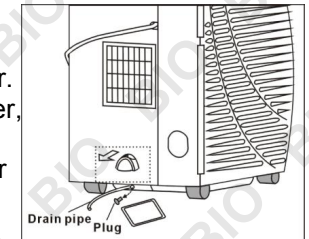
This product has a self-evaporative system. The condensing water will recycle to cool the condenser. This water-cooled mode improves cooling efficiency and decreases noise, and also saves energy.

* When in Cool mode, the water from the evaporator will flow into a internal tray. When the water reaches the low level, the water pump operates until the water is below the low level. When the water reaches the high level, the compressor stops operating, and the water pump, lower fan motor and upper fan motor will work on all the time.

* When in Heat mode, the water pump is not used.

* If the water drain is full, the water full indicator will light and the compressor stops operating. The buzzer sounds 10 times every 5 minutes until the water is below the high level or drained by hand. When the alarm stops, and after a 3-minute restart delay, the unit will operate normally.

* You can drain the water using a suitable tube (may be supplied) with a 9mm internal diameter. Place one end of the tube in a suitable container, then remove the drain plug from the unit, and insert the tube into the drainage hole. The water will drain into the container.



* Move the unit gently when the water is high. If not, the water may spill from inside the unit.

* If the water level is not sufficient for pumping, the pump stops operating. At the same time, the Water Empty indicator on the control panel will illuminate. You must add water - carefully add not more than 1800ml to the unit, being sure not to over-fill the unit.

MAINTENANCE

Cleaning

Switch the unit OFF and pull the plug from the socket before any cleaning or maintenance.

Clean the surface of the unit with a damp, soft cloth. Do not use harsh detergents, solvents, abrasives or chemicals.

Cleaning the Air Filters

If the air filter is dirty, the efficiency of the unit reduces. It is recommended to clean the filters every two weeks.

- 1) Pull out the air filters (Fig.14).
- 2) Wash the filters in warm (under 40° C or 104°F) water, with a neutral detergent, then rinse and allow to dry in a shaded area.
- 3) Push the air filter back into the original position.

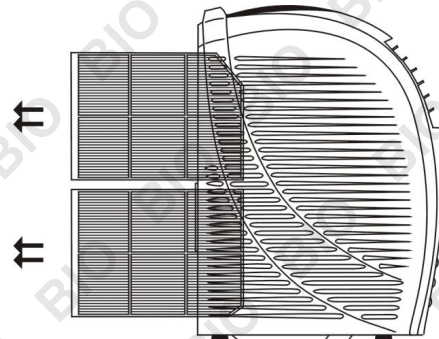


Fig. 14

Storage

1. Drain the unit, then run the fan at low speed for 6 to 8 hours to dry the inside of the unit.
2. Switch the unit OFF and disconnect the electrical cable from the power supply.
3. Remove the air exhaust ducting. Be careful not to kink or distort it.
4. Cover the unit and keep it in a dry place.
5. Remove the batteries from the remote control.

PARTS LIST

1. control panel
2. horizontal louver
3. vertical louver
4. air inlet grille
5. castor
6. exhaust duct
7. handle
8. air outlet grille
9. power cord and plug
10. water injection port
11. power and hook
12. air filter

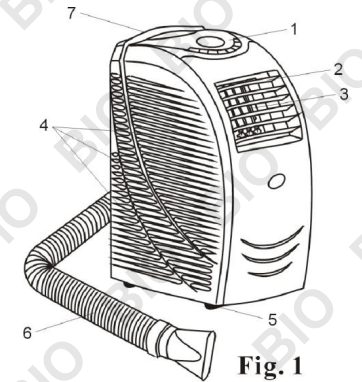


Fig. 1

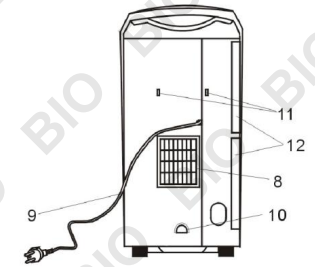


Fig. 2

OPERATION

Timer Mode

Auto-Off Timer - Press the **Timer** button when the unit is ON. The LED will flash “_ _” 5 Times. During this period, press **Up** or **Down** buttons to adjust the set time from 0.5h to 24h. It will vary by 0.5 hour each time for the first 3 hours, then by 1 hour each time hereafter. The set time will flash 5 times after being set, then the temperature will display again. Once the set time elapses, the unit switches OFF automatically.

Auto-ON Timer - Press the **Timer** button when the unit is OFF, then set the timer as per Auto-Off mode. Same as timer-off set. Once the set time elapses, the unit switches ON automatically.

Changing the Timer - When timer is on, you can check remaining time by pressing the **Timer** button - the value will flash 5 times. At this point, use **Up** / **Down** to adjust the timer. The timer can also be cancelled - press the **Timer** button while the remaining time is flashing to cancel the timer.

Cooling / Heating and Dehumidifying Operation

Cooling and Heating - Use the **Mode** button to select Cool or Heat mode. Use the **Up** / **Down** buttons to set the desired room temperature. The range is 18 to 30°C (64 to 86°F). Use the **Fan Speed** button to select the fan speed. Set louvre swing and position as required.

Dehumidifying - Use the **Mode** button to select Dry mode. The fan speed automatically is set to low (cannot be changed), and the display shows the current room temperature.

NOTE:

- In **Cool mode**, if the **Water Empty indicator lights**, you must add **water through the injection port** (not more than high level) to continue **cooling operation**.
- You should **drain water** from the unit when using **Heat and Dry modes**. The unit will stop operating if the **water exceeds the high level**.
- Do not use the air exhaust duct when in **Dry or Fan modes**.

INSTALLATION

1. Place the unit on a flat, level and dry surface.
2. Leave at least 50cm space around the unit (when the hose is not connected) (Fig. 5).
3. Fix the square end of the exhaust duct to the exhaust port of the unit (Fig. 6).
4. Place the other end (discharge) of the exhaust duct to the nearest window. Leave at least 50cm space around the duct outlet. See Ducting Examples.

NOTE:

- The length of the exhaust duct is variable - it is recommended keep the length of the exhaust ducting as short as possible to help minimise energy consumption.
- Do NOT use extensions or other hoses/ ducts etc as this may lead to malfunction.

Window Kit

The window kit is designed to fit most standard vertical and horizontal windows. It may be necessary, however, for you to modify some aspects of the installation procedure for certain types of windows, as per Fig. 7 and Fig. 8.

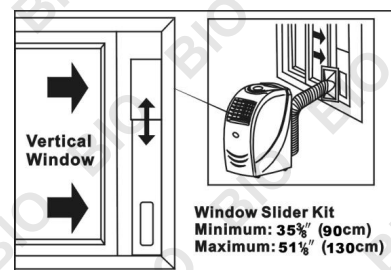


Fig. 7

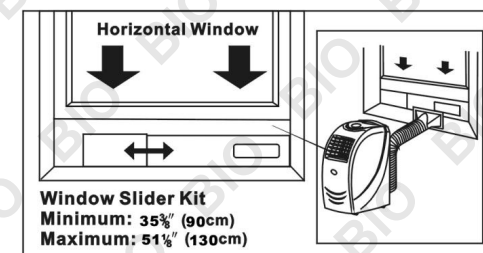


Fig. 8

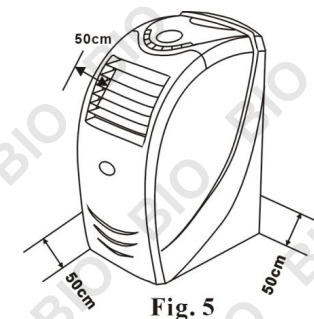


Fig. 5

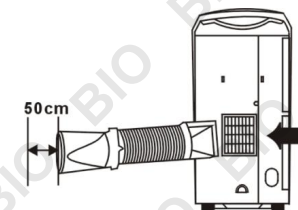


Fig. 6

Ducting Examples

Mounting through wall

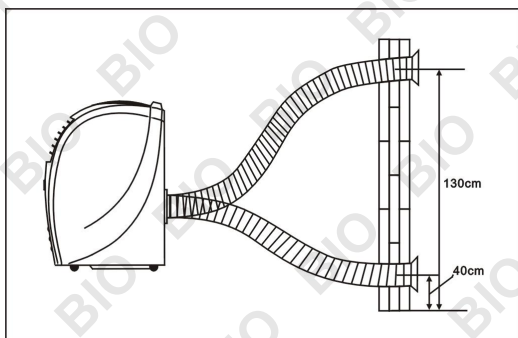


Fig. 9

Correct bending

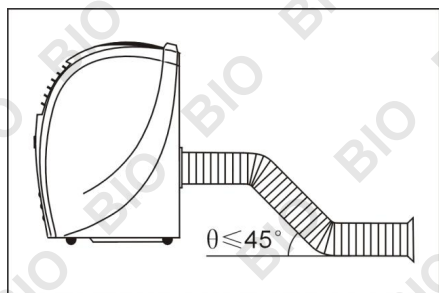


Fig.10

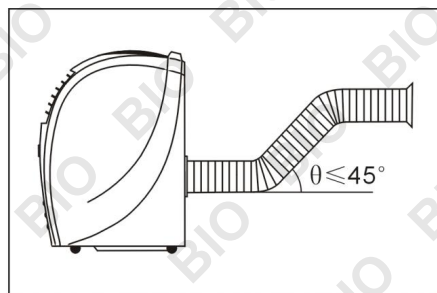


Fig.11

Incorrect bending

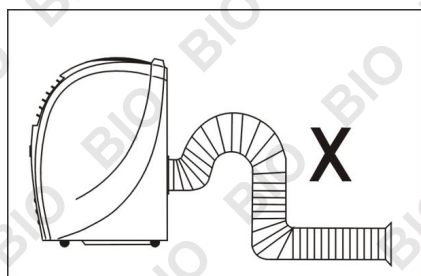













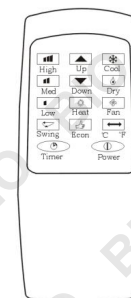


Fig.12

REMOTE CONTROL

-  **Power** Press switch the unit ON / OFF.
-  **Timer** Press to activate Timer mode.
-  **Swing** Press to activate vertical louvre swinging. Press again to stop
-  **°C °F** Press to change temperature units between Celsius and Fahrenheit.
-  **Cool** Press to activate Cool mode.
-  **Heat** Press to activate Heat mode.
-  **Dry** Press to activate Dry mode.
-  **Fan** Press to activate Fan mode.
-  **Up Down** Press to set temperature or adjust time in Timer mode.
-  **High** Press to select high fan speed.
-  **Med** Press to select medium fan speed.
-  **Low** Press to select low fan speed.
-  **Economy** Press to use Energy Save mode mode (only in Heat and Cool mode). The temperature is set to 27°C in cool mode and 23°C in heat mode . The fan speed is low. These settings cannot be changed .



YPC-H remote control
Fig. 4



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.



©2018 Bio. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning or recording, or any information storage and retrieval system, without express permission or consent from the publisher.