

AVAC9000

Portable Air Conditioner

Installation Instructions

User Guide



IMPORTANT SAFEGUARDS

WHEN USING ANY ELECTRICAL APPLIANCE, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED.

PLEASE READ ALL INSTRUCTIONS CAREFULLY AND RETAIN FOR FUTURE REFERENCE

ADDVENT

Safety Instructions

WARNING

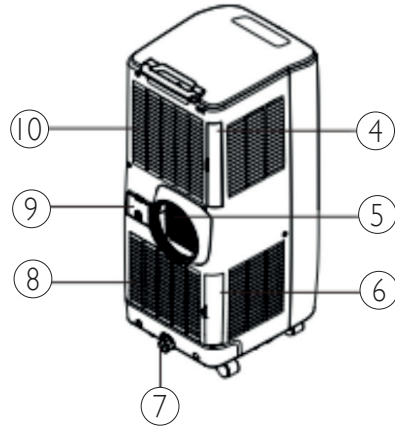
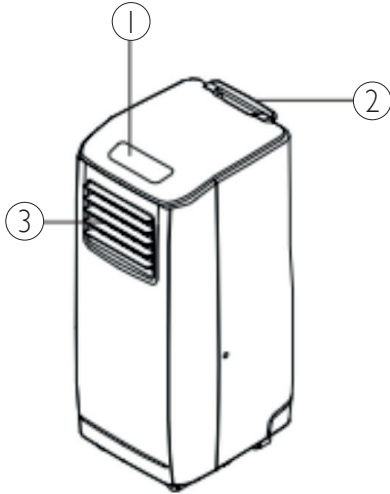
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years old should be kept away unless continuously supervised.
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- Never use this appliance for anything other than its intended purpose.
- Your air conditioner is designed to be used in a house, office and similar conditions and should not be used for any other purpose.
- If the supply cord is damaged, it must be replaced by a suitably qualified person in order to avoid a hazard.
- Always keep the unit in an upright position to avoid damage to the cooling system.
- Be sure that the air inlets and outlets are not blocked or covered.
- Don't put any object into the air inlet or outlet of the unit.
- In order to avoid overheating, do not cover the unit while it is plugged in or in-use.
- Never connect the unit to a defective socket.
- Never locate the appliance immediately below a socket-outlet.
- Never unplug the air conditioner while it is operating. This could damage the electronic circuits.
- Leave at least 300mm space around the unit.

- To avoid tripping the circuit, do not use an extension cord for this unit.
- To turn on your unit, insert the plug into the socket and press the power button.
- Do not bend or crush the warm air exhaust hose.
- Do not place the power cord under a carpet.
- This appliance is for ordinary indoor use. Never use the appliance in the immediate surroundings of a bath, a shower, a swimming pool or a greenhouse.
- Keep the appliance in the vertical position during transportation. After unpacking, place the unit upright to allow the refrigerant to stabilise, and wait 3 hours before use.

Any damage resulting from failure to comply with these instructions is excluded from the warranty. Do not install and use your air conditioner before completely reading these instructions.

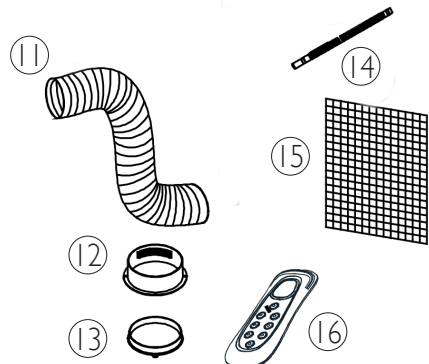
⚠ CAUTION: *Dispose of packaging material safely according to local regulations*

Components



- | | | |
|--------------------|-------------------------------------|-----------------|
| 1. Control panel | 5. Exhaust air outlet | 8. Air inlet |
| 2. Carrying handle | 6. Air filter | 9. Cord storage |
| 3. Air outlet | 7. Water stopper/
drainage point | 10. Air inlet |
| 4. Air filter | | |

- 11. Exhaust hose
- 12. Adaptor - for insertion over hose and into window spacer
(or into hole in the wall/window).
- 13. Cover for adaptor
- 14. Drain tube for continuous drainage
- 15. Active carbon filter
- 16. Remote control

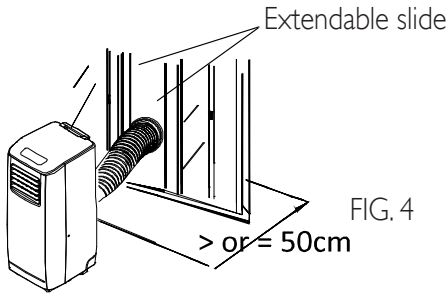


Installation

Installation of the exhaust pipe

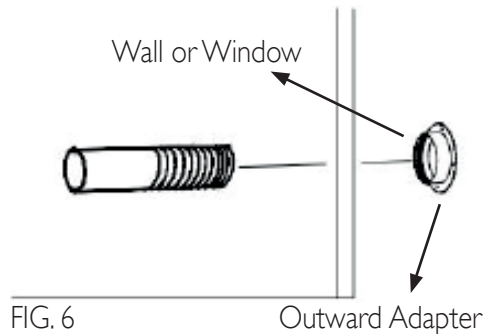
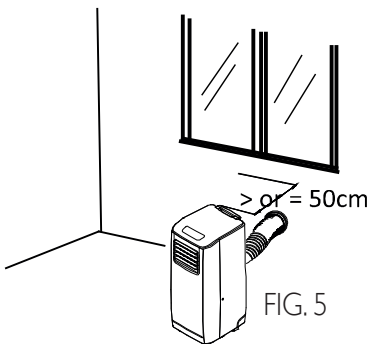
The unit is a portable air conditioner that may be moved from room to room.

1. Using the extendable slide



Offer window spacer to the window gap and adjust the length as you need. Feed exhaust hose through the window spacer and slide window across so that spacer is held securely. This technique may also be used for sash windows. Note: Take care to maintain protection against intruders.

2. Using the adaptor



- Cut a 152mm diameter hole in the wall or window.
- Feed exhaust hose through the window or wall and attach the threaded adaptor from the outside as shown.
- When not in use, plug the hole with the cover provided.

Mounting of the exhaust pipe

- Use only the hose provided and clip exhaust hose to the back of the air conditioner

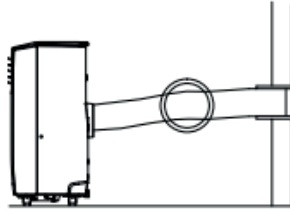


FIG. 7

- Avoid kinks and bends in the exhaust hose as this will cause expelled moist air to build up causing the unit to overheat and shut down. Fig 7 & 8 show correct position

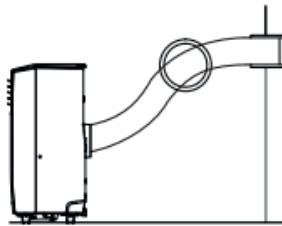


FIG. 8

- The hose may be extended from 300mm to 1500mm but for maximum efficiency use the shortest length possible.

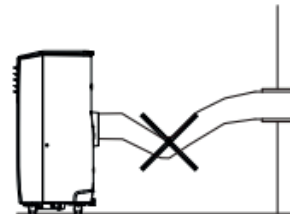


FIG. 9

WARNING!

The length of the exhaust pipe is specially designed according to the specification of this product. Do not replace or prolong it with your own private hose as this could cause the unit to malfunction.

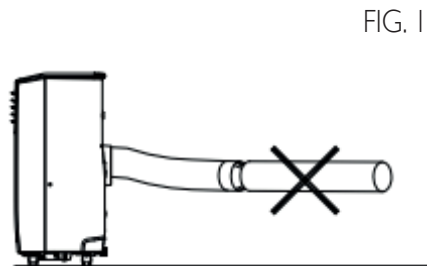


FIG. 10

Installation of the carbon filter

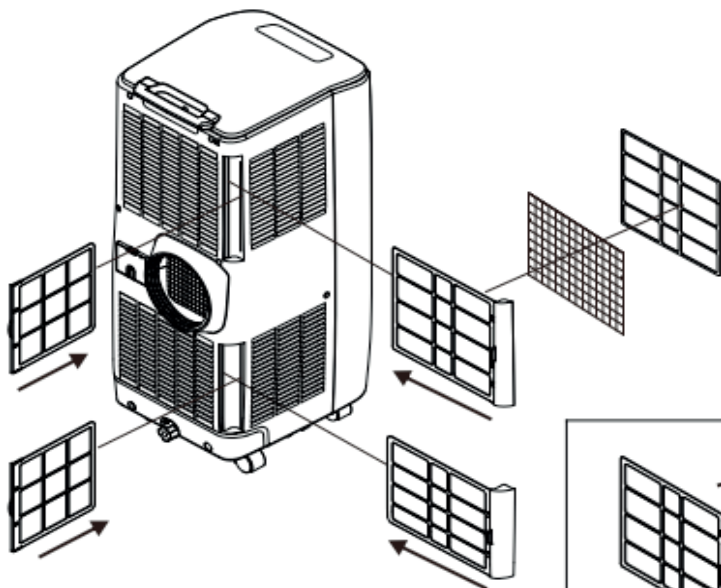


FIG. 11

1. Remove the filter frame from the unit.
2. Remove the active carbon filter from its plastic bag.
3. Insert the active carbon filter into the back of the unit.
4. Re-fit the filter frame inside the unit.

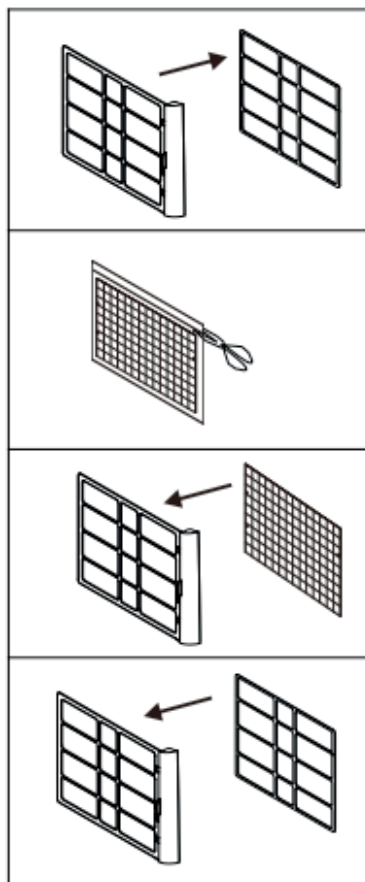


FIG. 12

Operation

Control panel

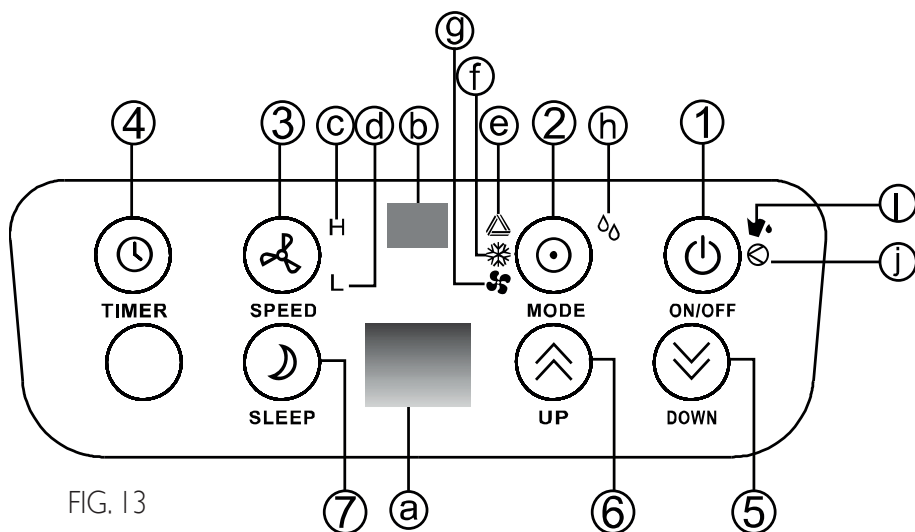


FIG. 13

1. ON/OFF (power) button
2. Mode (function) option button
3. Speed (ventilation) button
4. "Timer" button
5. "Temperature down" button
6. "Temperature up" button
7. "Sleep" button
- a. Display window
- b. Receiver for remote control
- c. High ventilation indicator
- d. Low ventilation indicator
- e. Automatic mode indicator
- f. Cooling mode indicator
- g. Fan mode indicator
- h. DEHUMIDIFY (DRY) mode indicator
- i. "Full Water" indicator
- j. Indicator for compressor operation

Adjust the air vent

Before using the unit, please do open the horizontal louver! Adjust the louvers to your desired direction

Turning ON/OFF

1. Press ON/OFF button, the unit will start in AUTO (automatic) mode.

Automatic mode

In automatic mode, the unit can cool or ventilate depending on ambient temperature and setpoint adjustment. The unit is preset as follows:

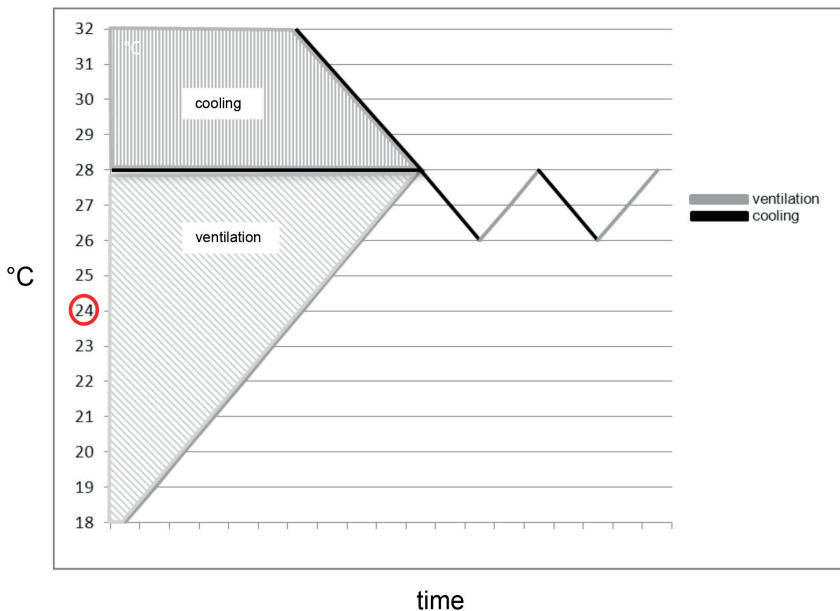
If ambient temperature is above 23°C the unit is in automatic cooling mode and is running according to the setpoint (Default setting 24°C). During this operation, the indicators (LED) for AUTO & COOLING MODE light up in green.

If the ambient temperature is less than or equal to (\leq) 23°C, the unit is in automatic ventilation mode. The indicators (LED) for AUTO & FAN MODE light up in green.

Remark : For default setpoint 24°C, the unit starts to cool at 28°C (Setpoint + 4°C), when it cools down to 26°C (setpoint +2°C), it will then switches back to the ventilation.

2. The display window also shows the ambient room temperature from 0oC to 50oC.

3. To turn the unit off, press ON/OFF button again.



Setting mode/function

Press MODE button to select required working mode: automatic, cooling, fan or dehumidify. The indicator of your selected mode comes on.

Setting temperature

1. Press 'Temperature up' or 'Temperature down' button to regulate the temperature you desired.
2. The display window will show the temperature you set as you press 'Temperature up' or 'Temperature down' button. Otherwise, it will always show the ambient temperature.

Setting ventilation speed

1. Press SPEED button to choose the ventilation speed you need, high or low. The indicator of high or low ventilation will light on at the same time.
2. If the unit is in AUTO mode, it will choose the ventilation speed automatically according to the ambient temperature (the related indicators will light on), at this time, the speed switch is invalid.

Setting timer

1. Press TIMER button to set the operating hours you desired (1 to 24 hours, the timer indicator will light on). When the set time has been reached, the machine will turn off automatically. The display window will show the hour(s) you set as you press TIMER button. If the timer button is not pressed, the unit will work continuously.
2. By pressing the timer but without turning on the other functions, you can PRE-SET the time for the machine to work. For example, if you press the timer to '2', the unit will work automatically after 2 hours.

Sleep function

1. In cooling mode, by pressing the SLEEP button, the set temperature will increase 1°C (2 °F) at the 1st hour, another 1 °C (2 °F) at the second hour, then keeps at that temperature.
2. In sleep mode, the ventilation will keep at low speed. Re-press the SLEEP button, the setting temperature and ventilation speed will return to the pre-selected one.

3. The unit will shut down automatically after the SLEEP function running for 12 hours.
4. Please note, the sleep function is not available while the machine is working in AUTO, FAN (ventilation) or DEHUMIDIFICATION mode.
5. When the machine is in Sleep function, the Fan Speed would turn to be LOW speed.

Dehumidify (DRY) mode

In dehumidify (DRY) mode, the temperature cannot be adjusted, the ventilation will fix at low speed. When the unit is operating in Dehumidify (DRY) mode, humidity extracted from the air is collected in an internal tank. If the tank reaches full, the compressor and motor cut out automatically. At the same time, the "Water Full" indicator comes on. An alarm will also sound. When the tank is full, drain the water as shown in the page concerning "DRAINAGE". You may also use the unit without having to empty the tank so often by using "continuous drainage", please also refer to the page about "DRAINAGE".

Self-diagnosis

This machine is equipped with self-diagnosis function. If something is wrong in the machine, the display window will show the word "E1" or "E2". At this time, please call your service center.

All the above functions can also be performed with the supplied remote control.

This remote control requires 2pcs AAA batteries to operate.



FIG. 14

NOTICE !

1. To prolong the compressor's life, after switch-off of the unit, please wait for 3 minutes (at least) before re-switch.
2. The cooling system will switch off if the ambient temperature is lower than the set one. The ventilation, however, keeps working on the set level. If the ambient temperature rises above the selected level, the cooling will return to work.

Drainage

During the process of cooling, some water will be extracted from the air into the unit.

If the reservoir is full, both of the compressor and motor will stop and the units would buzz (you can press any button to stop the buzz). The W.F. indicator will flash to show you.

To make the cooling work again, please empty the water by one of the following ways:

1. Turn off the air conditioner and avoid moving it when full.
2. Position a container (a water tray for example) underneath the drain hole.
3. Remove the drain knob & rubber plug from the drain hole and allow the water to drain out.
4. When the container is almost full, replace the rubber plug in the drain hole and empty the water tray.
5. Repeat until the unit is emptied.
6. Replace the rubber plug and tighten the drain knob firmly.
7. Switch on the unit - the full water or compressor operating indicator should not be flashing.

If you wish to operate the unit without the need to empty the water tank, please:

- Remove the drain knob and rubber plug and retain for future use.
- Connect the drain tube supplied to the water outlet as shown and locate the other end into a drain.

FIG. 15

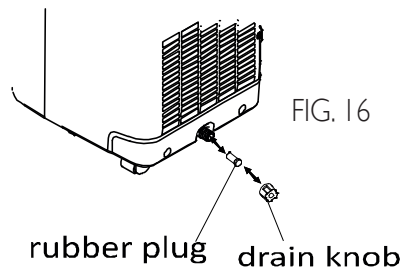
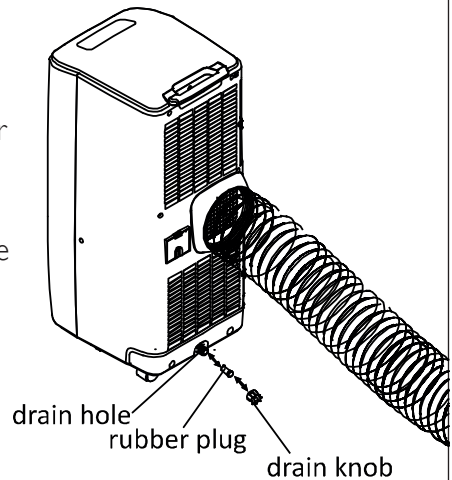


FIG. 16

- The drain tube may be extended by adding an extension tube and using a suitable connector.

Please note

1. The drain must be at or below the outlet level.
2. Flashing 'full water' indicator will not function in this mode of drainage.
3. If you want to extend the water tube, you can connect it with another tube (OD: 18mm)

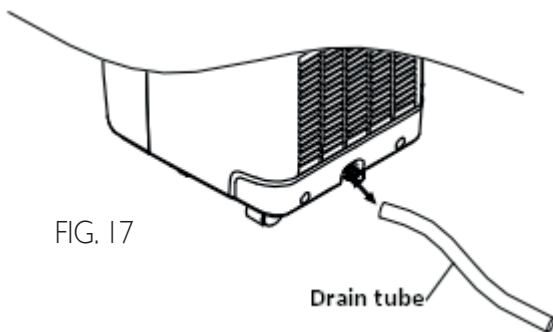


FIG. 17

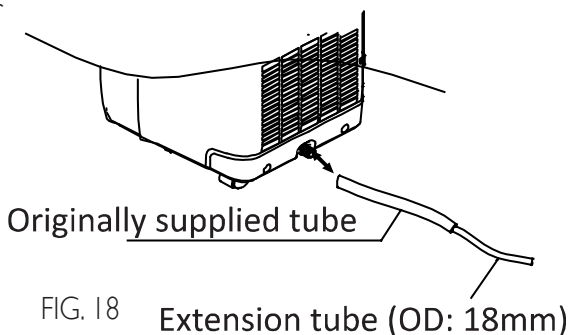


FIG. 18

Extension tube (OD: 18mm)

Maintenance

Always unplug the air conditioner from the mains before cleaning.
To maximize the efficiency of the air conditioner, clean regularly.

Cleaning the housing

Use a soft, damp cloth to wipe the body clean.

Never use aggressive chemicals, gasoline, detergents, chemically treated cloths, or other cleansing solutions. These all could possibly hurt the cabinet.

Cleaning the filter

Use a vacuum cleaner or tap the filter lightly to remove loose dust and dirt from the filters and then rinse thoroughly under running water (no hotter than 40°C).

Dry thoroughly before replacing.

Notice! Never operate the unit without the filters.

End of season storage

- Drain any water in the unit before completely operating the unit on ventilation only mode for a few hours, to thoroughly dry the inside.
- Clean or change the filter.
- Unplug and store the power cord.
- Replace in the original carton or cover for storage.

Fault Check List

The air conditioner does not run

- Is the air conditioner plugged in?
- Is there a power failure?
- Is the comp / 'full water' indicator flashing?
- Is the room temperature below the set temperature?

The machine seems to do little

- Is there direct sunshine? (Please put down the curtain.)
- Are too many windows or doors open?
- Are there too many people in the room?
- Is there something in the room producing lots of heat?

The machine seems to do nothing.

- Is the filter dusty, contaminated?
- Is the air intake or output blocked up?
- Is the room temperature below your selected temperature?

Too noisy

- Is the machine positioned unevenly so as to create vibration ?
- Is the floor underneath the machine uneven?

The compressor doesn't run.

- It is possible the overheat protection of the compressor is on. Just wait for the temperature to drop.

Never try to repair or dismantle the unit yourself

Specification

Model no.	AVAC9000
Power supply	220-240V~, 50Hz
Cooling capacity	9000BTU/ 2.65KW 2.65KW
Power consumption	1020W/4.5A
Compressor	rotary
Refrigerant	R-410A
Fan speed	2
Timer	1~24 hours
Working temperature	18 oC- 32oC
Exhaust pipe	Ø 142 x 1500 mm
N.W.	20.3 kg
Product size (W x D x H)	317 x 402 x 770 mm

Remark:

1. Measuring condition for above is as per EN 14511:

Cooling – DB= 35oC , WB= 24oC ;

DB = temperature of dry bulb = room temperature

WB = temperature of wet bulb = relative humidity.

2. Test condition for data in our rating label is as per safety regulation: EN60335-2-40

3. Current & Fuse : F2AL250V or T2AL250V

4. The data marked with '*' may vary for technical reasons: for greater precision, please refer to the rating label placed at the back of the unit



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

ADDVENT

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