



User's Manual

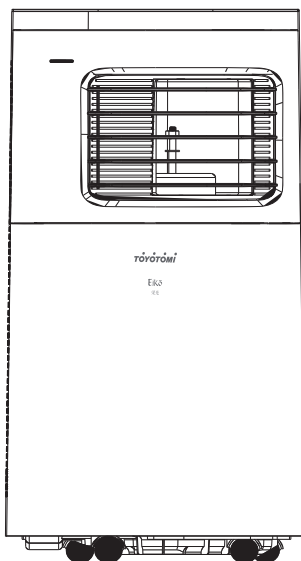
PORTABLE AIR CONDITIONER

EIKŌ Series

Model

TPAC-10CAI

TPAC-12CHAI



Thank you for your choice in TOYOTOMI Portable Air Conditioners.
Before using this product, be sure to read this Instruction Manual carefully to ensure proper usage. Keep this manual in good shape for future reference.

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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.

Children should be supervised to ensure that they do not play with the appliance.

Frequency band(s) in which the radio equipment operates: 2400MHz-2483.5MHz

Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment

operates: 20dBm



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

R290: 3

Explanation of Symbols



DANGER

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

NOTICE

Indicates important but not hazard-related information, used to indicate risk of property damage.



Indicates a hazard that would be assigned a signal word WARNING or CAUTION.

Exception Clauses

Manufacturer will bear no responsibilities when personal injury or property loss is caused by the following reasons.

1. Damage the product due to improper use or misuse of the product;
2. Alter, change, maintain or use the product with other equipment without abiding by the instruction manual of manufacturer;
3. After verification, the defect of product is directly caused by corrosive gas;
4. After verification, the defects are due to improper operation during transportation of product;
5. Operate, repair, maintain the unit without abiding by instruction manual or related regulations;
6. After verification, the problem or dispute is caused by the quality specification or performance of parts and components that produced by other manufacturers;
7. The damage is caused by natural calamities, bad using environment or force majeure.

If it needs to install, move or maintain the air conditioner, please contact dealer or local service center. Air conditioner must be installed, moved or maintained by appointed unit. Otherwise, it may cause serious damage or personal injury or death.

When refrigerant leaks or requires discharge during installation, maintenance, or disassembly, it should be handled by certified professionals and in compliance with local laws and regulations.



Appliance filled with flammable gas R290.



Before install and use the appliance, read the owner's manual first.



Before install the appliance, read the installation manual first.



Before repair the appliance, read the service manual first.

The Refrigerant

Refrigerant R290: GWP 3

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluoride R290, which is specially cleaned. The refrigerant is flammable and inodorous but the flammability of the refrigerant is very low. Furthermore, it can lead to explosion under certain conditions.
- Compared to common refrigerants, R290 is a nonpolluting refrigerant with no harm to the ozonosphere. The influence upon the greenhouse effect is also lower. R290 has got very good thermodynamic features which lead to a really high energy efficiency. The units therefore need a less filling.
- Please refer to the nameplate for the charging quantity of R290.

WARNING :

- Appliance filled with flammable gas R290.
- Appliance shall be installed, operated and stored in a room with a floor area larger than 15 m².
- The appliance shall be stored in a room without continuously operating ignition sources . (for example: open flames, an operating gas appliance or an operating electric heater.) The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Ducts connected to an appliance shall not contain an ignition source.
- Keep any required ventilation openings clear of obstruction.
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Servicing shall be performed only as recommended by the manufacturer.
- Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous.
- Compliance with national gas regulations shall be observed.
- Read specialist's manual.



Safety Warning

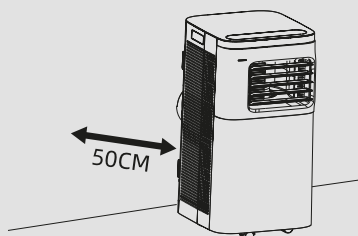
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Before operation, please confirm whether power specification complies with that on nameplate.
- Before cleaning or maintaining the air conditioner, please turn off air conditioner and pull out the power plug.
- Make sure the power cord hasn't been pressed by hard objects.
- Do not pull or drag the power cord to pull out the power plug or move the air conditioner.
- Do not insert or pull out the power plug with wet hands.
- Please use the grounded power. Make sure the grounding is reliable.
- If the supply 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.
- If abnormal condition occurs (e.g. burned smell), please disconnect power at once and then contact local dealer.
- When nobody is taking care of the unit, please turn it off and remove the power plug or disconnect power.
- Do not splash or pour water on air conditioner. Otherwise, it may cause short circuit or damage to air conditioner.
- If drainage hose is used, ambient temperature can't be lower than 0°C. Otherwise, it will cause water leakage to air conditioner.
- Prohibit operating heating equipment around the air conditioner.
- Prohibit operating the unit in the bathroom or laundry room.
- Far away from fire source, inflammable and explosive objects.
- Children and disabled people are not allowed to use the portable room air conditioner without supervision.
- Keep children from playing or climbing on the air conditioner.
- Do not put or hang dripping objects above the air conditioner.
- Do not repair or disassemble the air conditioner by yourself.
- Prohibit inserting any objects into the air conditioner.

Safety Warning

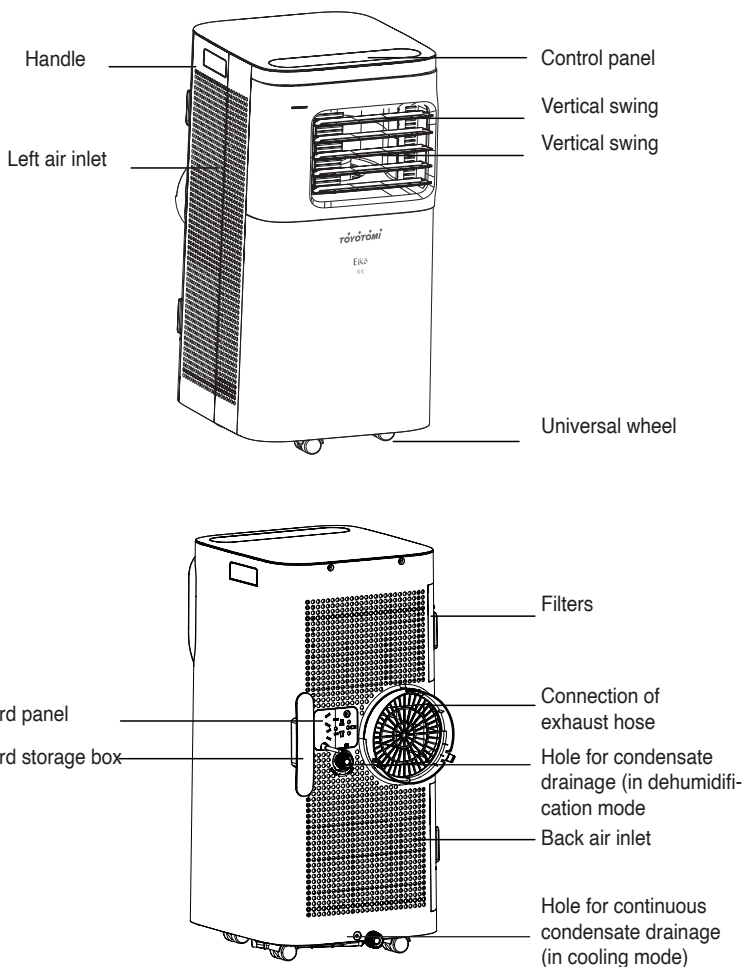
- Do not through sundries into the air duct. If there are sundries get into the air duct, please contact the professionals to deal with it.
- Do not use an extension cord.
- Specification of fuse on the main board:T3.15AH250V; the maximum current passes through the fuse can't be more than 3.15A.
- The appliance shall be installed in accordance with national wiring regulations.

Operation Environment

- The air conditioner must be operated within the temperature range: 16°C ~ 35°C.
- The appliance is for indoor use only.
- The appliance must be positioned so that the plug is accessible.
- This air conditioner can only be used for family, not for commercial industry.
- Reserved space around the air conditioner should be 12"(30cm) at least.
- Do not operate the air conditioner at humid environment.
- Please keep air inlet and air outlet clean, no obstacles.
- During operation, close doors and windows to improve cooling effect.
- Please put the air conditioner at smooth and flat ground for operation to avoid noise and vibration.
- This air conditioner is equipped with castors. Castors should slide at smooth and flat ground.
- Prohibit inclining or turning over the air conditioner. If there's abnormality, please disconnect power immediately and contact dealer.
- Avoid direct sunshine.



Part's Name

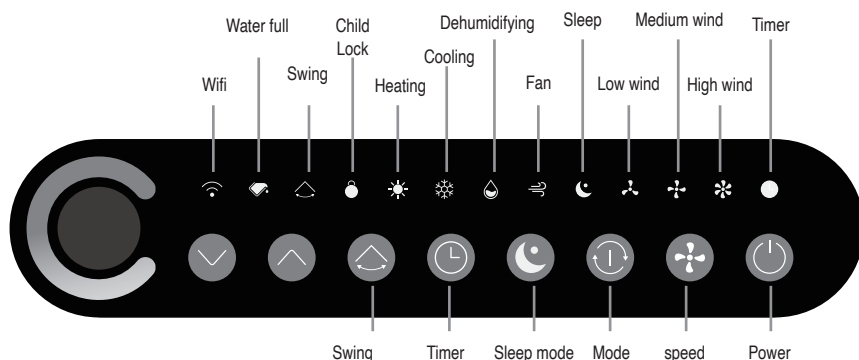


Notice:

Some installation accessories can't be discarded.

Operation Introduction for Control Panel

Name of control panel



Colorful lights

A.Blue light - cooling

C.White light - Dehumidifying

E.Red light - Water full

B.Orange light - Heating

D.Green Light - Fan

Operation of control panel

NOTICE:

- After putting through the power, the air conditioner will give out a sound . After that, you can operate the air conditioner by the control panel.
- Under ON status, after each pressing of the button on control panel , the air conditioner will give out a sound.
Meanwhile, corresponding indicator on control panel will be bright.
- Under OFF status, dual-8 nixie tube on control panel won' t display. Under ON status, dual-8 nixie tube on control panel will display set temperature under cooling mode and Heating mode (Cool&Heat Unit only), while it won't display under other modes.

1. POWER BUTTON

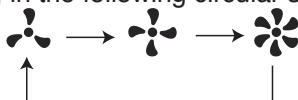
Press this button on the control panel or remote controller to turn the unit on or off. The unit beeps. When the unit is switched on, the temperature previously set in Cooling mode (Cool) is shown. Press this button again to start the appliance operation.

The default settings are: Cooling mode, low fan speed and the display shows the temperature present in the room.

Operation Introduction for Control Panel

2. SPEED BUTTON

Press this button on the control panel to select the desired fan speed from Low, Medium, High, Auto, in the following circular sequence:



The corresponding LEDs light up on the control panel according to your selection.

In Auto mode, the fan speed LEDs all light up at the same time.

The Auto fan speed can be selected only in the Cooling mode.

The Auto speed works by modulating the fan speed based on the temperature set by the user and on that present in the room:

- If the difference between the set temperature and the room temperature is greater than 4°C, the fan speed will be high
- If the difference between the set temperature and the room temperature is greater than 2°C or less than or equal to 4°C, the fan speed will be medium
- If the difference between the set temperature and the room temperature is less than or equal to 2°C, the fan speed will be low

When the Speed button is selected on the remote control, the fan speed will appear on the remote controller

display as follows: Low () - Medium () - High ()

3. MODE BUTTON

Press this button on the control panel to select the operating mode among: Cooling (Cool), Heating (Heat), Dehumidification (Dry), Ventilation (Fan) in the following circular sequence:

The corresponding LEDs on the display light up on the control panel according to the selection made.

On the remote controller, press the Mode button to select the operating mode in the following circular sequence:

Cooling (Cool), Heating (Heat), Dehumidification (Dry), Ventilation (Fan).

Operation Introduction for Control Panel

4. SLEEP BUTTON

Press this button on the control panel or remote controller. When Sleep mode is selected, the LEDs on the control panel lights up, while the Sleep LED  on the control panel remains on continuously.

5. TIMER BUTTON

By control panel:

To activate the timer through the control panel, press the key and the corresponding icon lights up. 00 will appear. Press the up/down keys to set the desired time from 00-24 hours. The display will display the set temperature/humidity. To cancel the operation, press the key again for 3 seconds.

By remote controller:

Press this button and the display will show 1h while the icon  lights up. To activate the on timer, press the Timer button twice, 01 will flash and appear on the remote control display. Press the UP/DOWN buttons to set the on time up to 24 hours. When the set time flashes on the display for 5 seconds, it indicates that the setting is successful.

To activate the off timer, press the button twice, the remote control display will show the remaining time before the off timer.

To cancel the Timer function, press and hold the button for about 3 seconds, and the icon on the display will go out.

6. SWING BUTTON

When the unit is on, press this button on the controller panel or on the remote controller to select the horizontal automatic swing of the air flaps, the LED  lights up on the control panel. Press this button again to stop the swinging of the flaps, which will then remain fixed in the same position. The LED on the control panel will turn off.

It is possible to manually adjust the vertical flaps by directing them to the desired position.

7. UP/DOWN BUTTONS

Press these buttons on the control panel or on the remote controller to adjust the temperature (each time you press the temperature increases or decreases by 1°C) and set the Timer (each time you press the time increases or decreases by 1 hour).

Operation Introduction for Control Panel

8. CHILD LOCK FUNCTION

CHILD LOCK FUNCTION

With the unit on, on the control panel, press the Swing button and the Timer button simultaneously for 3 seconds to activate or deactivate the control panel lock function.

The LED  on the control panel lights up. To deactivate this function, press and hold two buttons for about 3 seconds or switch the device off and on again.

On the remote controller, to activate or deactivate this function, press the LOCK button and the display will show «Lo».

Operating modes

1. COOLING MODE (COOL)

- Press the MODE button to select Cooling. The LED  on the control panel lights up.
- The temperature adjustment range goes from 16 °C to 32 °C with 1 °C steps.
- In this mode, every time the unit is switched off by pressing the POWER button the appliance stores the set temperature and when it is switched on again it will keep the setting.
- In cooling mode, the fan speed is low by default.
- In this mode it is possible to adjust the ventilation speed (Speed), set the Timer and activate the Sleep function.
- For quieter operation, reduce speed to low.
- The unit is equipped with a system that automatically adjusts the ventilation speed based on the temperature detected in the room. To select the desired ventilation speed, press the Speed button; the corresponding LEDs light up based on the selection made.

2. HEATING MODE (HEAT)

1. The temperature control range is 16°C (61°F) – 32°C (90°F).. The heating mode displays the current ambient temperature by default and operates with low wind. The temperature and wind speed gears set before power off will be memorized for first time of non-factory use. The set temperature can be adjusted through the remote control or the “+,-” keys on the operation panel, and the digital tube will display the set temperature after the mode is confirmed. Other actions are as follows: when $RT \leq ST - 1^{\circ}\text{C}$, the compressor, four-way valve and fan start, and the fan operates according to anti-cold air; when $RT \leq ST - 1^{\circ}\text{C}$, the compressor stops, and the fan presses residual heat operation; when $RT=ST$, keep the previous state; after the compressor runs for at least 3 minutes, judge the temperature change and switch the machine, except for various protections.

2. Water rejection motor does not work in heating mode.

Four-way valve control: in the heating mode, the four-way valve remains on (including shutdown when reaching the set temperature, except for the defrosting process). When the mode is switched to the heating mode or turned on, the four-way valve is opened 5 seconds before the compressor is turned on; when the mode is switched to exit the heating mode or the machine

Operating modes

is turned off, the four-way valve is closed 2 minutes after the compressor is turned off.

3. Swing control: When starting up in heating mode, the fan is in the anti-cold wind state and the wind stops swinging (it is at the fixed 90° position of the anti-cold wind, and runs according to the set state after the internal fan exits the anti-cold air, and swings between 40 and 85° when swinging).

4. Anti-cold wind when the compressor is running: 30 seconds When PT is rising, when $PT < 18^{\circ}\text{C}/(64^{\circ}\text{F})$, the fan is off, $18^{\circ}\text{C}/(64^{\circ}\text{F}) \leq PT < 35^{\circ}\text{C}/(95^{\circ}\text{F})$; The fan runs at low wind speed; when $PT \geq 35^{\circ}\text{C}/(95^{\circ}\text{F})$, the fan runs at the set wind speed; $(64^{\circ}\text{F}) < PT < 35^{\circ}\text{C}/(95^{\circ}\text{F})$, the fan runs at low wind speed; when $PT < 18^{\circ}\text{C}/(64^{\circ}\text{F}) < PT < 35^{\circ}\text{C}/(95^{\circ}\text{F})$, the fan runs at low wind speed; $PT < 18^{\circ}\text{C}/(64^{\circ}\text{F})$, the fan is off.

5. When the compressor stops:

$PT \geq 18^{\circ}\text{C}/(64^{\circ}\text{F})$, the fan operates at low wind speed; $PT < 18^{\circ}\text{C}/(64^{\circ}\text{F})$, the fan stops running; The maximum running time of the fan is 30s. Once the fan stops, it will not be turned on again.

6. To blow residual heat when shutting down: $PT \geq 18^{\circ}\text{C}/(64^{\circ}\text{F})$, the fan operates at low wind speed, and blows waste heat for $\leq 10\text{s}$ after shutdown, If $PT < 18^{\circ}\text{C}/(64^{\circ}\text{F})$ within 10s of residual heat blowing, the fan will be turned off immediately.

7. Over temperature protection: During heating operation, if $PT \geq 64^{\circ}\text{C}/(147^{\circ}\text{F})$ for 20 seconds continuously, stop the compressor and run the fan at high speed (regardless of the original wind speed); when $PT < 52^{\circ}\text{C}/(126^{\circ}\text{F})$ for 3 minutes and meet the Under the protection condition of minute shutdown, the compressor and fan will resume operation, and the fan will run at the corresponding wind speed at the PT temperature. High temperature protection is only valid when the PT sensor is normal. When the high temperature protection is activated, the digital tube displays E8.

8. In heating mode, if the evaporator motor has not been turned on for 10 minutes (P260), it will run low wind for 30s (P265), and cycle accordingly.

P260 Evaporator motor off time in heating mode 10.

How to eliminate condensate

3. DEHUMIDIFICATION MODE (DRY)

- Press the MODE button to select the Dehumidification mode. The LED  on the control panel lights up.
- The temperature is controlled by the electronic board and cannot be adjusted.
- In this mode, each time the POWER button is pressed the unit switches off, the appliance saves the settings and retains them when it is switched on again.
- The humidity % adjustment range is 35-80%, in dehumidification mode it's not possible to adjust the temperature.
- The fan speed can be adjusted.

NOTE: the air conditioner does not cool the room when operating as a dehumidifier. When the appliance is used as a dehumidifier, the flexible pipe must not be connected. For maximum dehumidification efficiency, leave the rear discharge attachment free to discharge directly into the environment. The dehumidification mode is recommended during autumn and winter. If used during summer, it is best to leave the flexible pipe attached so that the hot air is discharged towards the outside rather than into the room. During dehumidification, continuous drainage should be implemented (see the next chapter, "HOW TO ELIMINATE CONDENSATE").

4. FAN MODE (FAN)

- Press the MODE button to select Ventilation until the corresponding icon  appears.
- In this mode, the fan speed can be adjusted.
- The temperature cannot be adjusted.

How to eliminate condensate

This appliance automatically vaporizes the condensate in cooling mode. When the air conditioner works in Cooling mode, it is not necessary to have continuous drainage of the condensate; only in particular climatic conditions in which the humidity rate in the air is very high can water deposit inside the unit.

When the internal tank is full, the air conditioner goes into stand-by mode within approximately 5 seconds and emits 5 beeps. The display will show the message «P1», while the icon  lights up on the control panel, signaling that

How to eliminate condensate

filling has been completed.

The buttons on the control panel are not active and the appliance stops working.

The operation LED ring located on the front of the unit lights up red.

To restore the unit, empty the tank.

Cooling

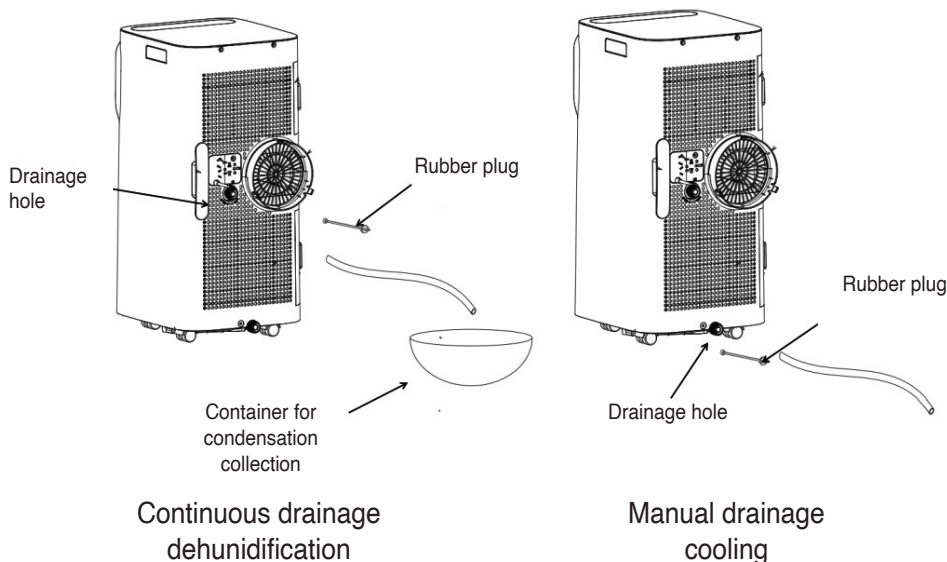
Make sure that, when the unit works in cooling mode, the rubber closure plug that closes the drain hole located at the bottom on the back is correctly positioned.

To empty the tank, turn off the air conditioner and unplug it. Remove the cap from the rear drain hole, connect the small condensate drain tube, which is supplied, and place the other end of the tube above a normal drain.

Make sure the hose is free from twists and bends. The pipe must have a descending trend. Close the drain with the cap and resume using the air conditioner.

Dehumidification

Warning: when using the air conditioner in dehumidification mode, it is advisable to always set up continuous drainage to ensure maximum dehumidification efficiency. Connect one end of the PVC tubing (provided) to the top drain hole and the other end above a drain.



Using the remote controller

This is a general use remote controller, it could be used for the air conditioners with multifunction; For some function, which the model doesn't have, if press the corresponding button on the remote controller that the unit will keep the original running status.

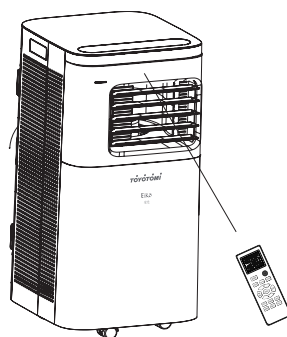
How to use the remote controller

Point the remote control toward the Signal receiver and press the desired button. The unit generates a beep when it receives the signal.

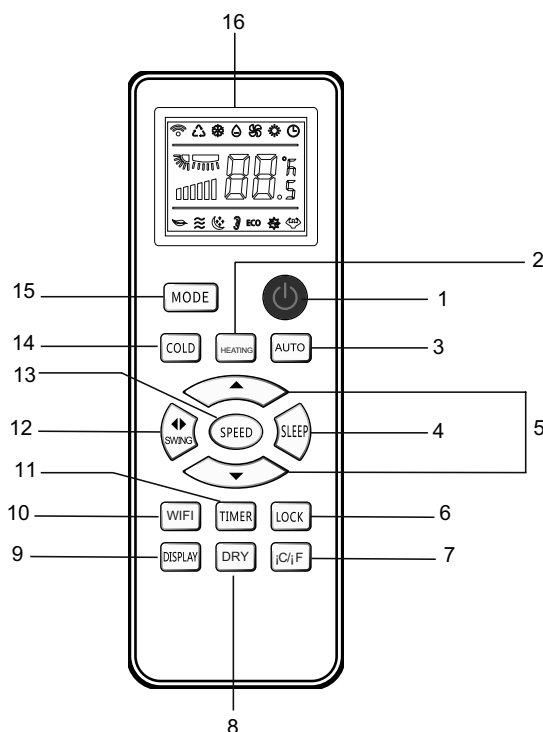
- Make sure nothing, such as curtains, blocks the signal receiver window.
- The signal effective distance is no more than 8m.

⚠ CAUTION:

- Do not expose the receiver window to direct sunlight. This may adversely affect its operation.
- Use of certain fluorescent lamp in the same room may interfere with transmission of the signal.
- Do not leave the remote control in direct sunlight or near a heater. Protect the remote control from moisture and shock.



Buttons on remote controller



1. POWER button
2. HEATING MODE button (active in TPAC-12CHAI model)
3. AUTO MODE button
4. SLEEP button
5. UP/DOWN buttons
6. CHILD LOCK button
7. °C/F° DISPLAY TEMPERATURE button
8. DRY button
9. DISPLAY LIGHTING button
10. WIFI button
11. TIMER button
12. SWING button
13. SPEED button
14. COLD MODE button
15. MODE button
16. REMOTE CONTROLLER DISPLAY

Functions available via remote controller

Note:

This is a general use remote controller.

For some function, which the model doesn't have, if press the corresponding button on the remote controller that the unit will keep the original running status.

TEMPERATURE DISPLAY FUNCTION

On the remote controller, press Display button to change the temperature display from C° to F°.

AUTORESTART FUNCTION

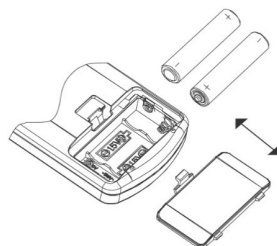
In the event of a blackout, when restarted the unit operates in the same mode previously set.

DISPLAY LIGHTING

Press the Display button on the remote control to turn the remote controller display light on or off.

Replacement of batteries in remote controller

1. Press the back side of remote controller marked with "OPEN", as shown in the fig, and then push out the cover of battery box along the arrow direction.
2. Replace two 7# (AAA 1.5V) dry batteries, and make sure the position of "+" polar and "-" polar are correct.
3. Reinstall the cover of battery box.



NOTICE

- ☒ The distance between signal sender and receiving window should be no more than 8m, and there should be no obstacles between them.
- ☒ As the signal will be interfered in the room with electronic fluorescent lamp, conversion fluorescent lamp or wireless phone, please get closer to the air conditioner when using the remote controller.
- ☒ Replace new batteries of the same model when replacement is required.
- ☒ When you don't use remote controller for a long time, please take out the batteries.

WIFI guide

Use your mobile phone to scan the QR code below to download the «Smart Life» app. You can also search for «smart life» in the APP store or Google Play to install the APP.



Open the «Smart Life» app, click «register», use your phone number or email to register the «Smart Life» account, and then log in to the App.

In the power-on state, press and hold the Timer Button for about 5 seconds to enter the WIFI network configuration function.

The display icon will flash and light up.

Slow flash: Compatible with the configuration mode, waiting for the configuration.

Quick flash: Waiting for networking.

Normally on: The distribution network connection is successful.

WIFI guide

Normally off: The machine is in standby state, or the network is not connected, or WIFI module signal is not detected.

Note: In standby mode, the default WIFI indicator light is off.

Add device

- 1.) Connect the mobile phone to the home wireless network, and turn on the mobile phone Bluetooth (please select 2.4GHz WiFi network).
- 2.) Open the «Smart Life» APP.
- 3.) Enter the homepage of the «Smart Life» APP. Click «+» to select to add a device, the APP will display manual addition and automatic discovery.
- 4.) Automatic discovery: When the corresponding authority is turned on, the device can be automatically discovered, and the device needs to be in the network configuration state and turned on.
- 5.) Manually add: select the name corresponding to the product, WIFI+Bluetooth mode.

1) Bluetooth configuration:

When confirming that the WIFI indicator of the device is flashing quickly, click OK, and then wait for the connection. (Recommended,) When «Successfully add 1 device» appears, it means the connection has been completed and your device will be listed in your APP list.

2) Hotspot configuration network:

Click on the WIFI quick connection in the upper right corner to select the hotspot distribution network (compatibility mode), Confirm that the WIFI indicator of the device flashes slowly, click OK, and enter your home WIFI and WIFI password.

Next, click to connect to go to the WLAN setting interface of the phone, and then select the Wi-Fi network «SmartLife_XXXX» to connect it. Your device will be listed in your APP list. Now, you can control your smart device through the mobile APP anytime and anywhere (make sure your mobile phone and smart device are connected to the network, make sure your router name is changed to SmartLife_XXXX).

Clean and Maintenance

⚠ WARNING:

- Before cleaning the air conditioner, please turn off the unit and disconnect power. Otherwise, it may cause electric shock.
- Do not wash air conditioner with water. Otherwise, it may cause electric shock.
- Do not use volatile liquid (such as thinner or gas) to clean the air conditioner. Otherwise, it may damage the appearance of air conditioner.
- Do not use liquid or corrosive detergent clean the appliance and do not splash water or other liquid onto it, otherwise, it may damage the plastic components, even cause electric shock.

Clean outer case and grille

Clean outer case:

If there's dust on the surface of outer case, please use soft towel to wipe it. If the outer case is very dirty (such as grease), please use neutral abluent to wipe it. After cleaning with a neutral detergent, the appliance should be wiped with a cloth soaked in clean water.

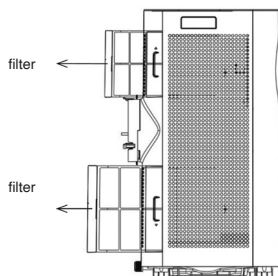
Clean grille: Use a soft brush, vacuum cleaner or cleaner.



Clean filter

1. Remove the filter

Press the clasp as shown in the fig, and then remove the filter 1;
Pull out the filters 2.

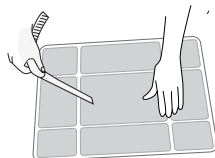


2. Clean filter

Use cleaner or water to clean the filter. If the filter is very dirty (such as grease), use warm water 40 ℃ melted with neutral abluent to clean it and then put at shady place to dry it. Do not use an electrostatic cloth or brush to clean the Pre-Filters. They can be damaged.

3. Install filter

After the filter is cleaned and dried, reinstall it well.



Clean and Maintenance

NOTICE

- The filter should be cleaned about once every three months. If there's much dust in the operation environment, you can increase clean frequency.
- Do not dry the filter with fire or hair drier. Otherwise, it may be deformed or catch fire.

Clean heat discharge pipe

Remove the heat discharge pipe from air conditioner, clean and dry it , and then reinstall it. (For the method of installation and removal , please refer to the instruction for "Installation and disassembly of heat discharge pipe").

Checking before use-season

1. Check whether air inlets and air outlets are blocked.
2. Check whether plug and socket are in good condition.
3. Check whether filter is clean.
4. Check whether batteries are installed in remote controller.
5. Check whether joint, window bracket and heat discharge pipe are installed tightly.
6. Check whether heat discharge pipe is damaged.

Checking after use-season

1. Disconnect power supply.
2. Clean filter and outer case.
3. Remove dust and sundries on the air conditioner.
4. Eliminate accumulated water in chassis (refer to the section of "Drainage way" for details).
5. Check whether window bracket is damaged or not. If yes, please contact dealer.

Long-time storage

If you don't use the air conditioner for a long time, please maintain it by following steps for good performance:

Make sure there's no accumulated water in chassis and the heat discharge pipe is disassembled.

Pull out the plug and wrap the power cord.

Clean the air conditioner and pack it well to prevent dust.

Notice for recovery

Many packing materials are recyclable materials. Please deal with them through local recycle bin.

If you want to throw away the air conditioner, please contact local division or consultant service center for the correct disposal method.

Malfunction analysis

Please check below items before asking for maintenance. If the malfunction still can't be eliminated, please contact local dealer or qualified professionals.

Phenomenon	Troubleshooting	Solution
Air conditioner can't operate	• Power failure?	• Wait after power recovery.
	• Is plug loose?	• Reinsert the plug.
	• Whether the air switch is tripped off or fuse is burnt?	• Ask professional person to replace air switch or fuse.
	• Is there malfunction for the circuit?	• Ask professional person to replace circuit.
	• Whether the unit is restarted up after stopping immediately?	• Wait for 3min, and then turn on the unit again.
Poor cooling (heating)	• Is the power too low?	• Wait after voltage is resumed.
	• Whether the air filter is too dirty?	• Clean the air filter.
	• Whether the set temperature is proper?	• Adjust the temperature.
	• Whether door and window are closed?	• Close door and window.
Air conditioner can't receive signal from remote controller or remote controller is not sensible.	• Whether the unit is interfered seriously (such as static pressure, unstable voltage)?	• Please pull out the plug. Insert the plug after about 3min, and then turn on the unit.
	• Whether remote controller is within the receiving range?	• The receiving range of remote controller is 8m. Do not exceed this range.
	• Whether it's blocked by obstacles?	• Remove the obstacles.
	• Is sensitivity of remote controller low?	• Check the batteries of remote controller. If the power is low, please replace the batteries.
	• Whether there's fluorescence lamp in the room?	• Move the remote controller close to air conditioner. • Turn off the fluorescence lamp and try it again.

Malfunction analysis

Phenomenon	Troubleshooting	Solution
No air blown out from air conditioner	Whether air outlet or air inlet is blocked?	Eliminate the obstacles.
	Under heating mode, whether indoor temperature increase set temperature?	The unit will stop blowing fan after reaching set temperature.
	Whether heating mode is started up just now?	In order to prevent cold air, air conditioner will delay for a while to be started up, which is the normal phenomenon.
	Whether evaporator is defrosted? (observe it by pulling out the filter)	It's the normal phenomenon. Air conditioner is defrosting. After defrosting is finished, it will resume operation.
Set temperature can't be adjusted.	Whether the unit operates under auto mode?	Temperature can't be adjusted under auto mode.
	Whether the required temperature exceeds the temperature setting range?	Temperature setting range: 16°C-30°C .
There's off flavour	There's off-flavour source in the room, such as furniture, cigarette etc.	- Eliminate the off-flavour source. - Clean the filter.
There's abnormal sound during operation	Whether the unit is interfered by thunder, radio, etc?	Disconnect power, put through the power again, and then turn on the unit again.
You can heard water-flowing sound	Whether the unit is turned on or turned off just now?	There's flowing sound of refrigerant inside the air conditioner, which is the normal phenomenon.
You can heard the sound of "PAPA"	Whether the unit is turned on or turned off just now?	Heat expansion or shrinkage for the panel due to change of temperature, which cause friction sound.

Malfuction analysis

Malfuction code

Problem	Cause	Solution
E1	Room temperature sensor failure.	Contact a service centre
E2	Failure of temperature sensor on the evaporator.	Contact a service centre.
P1	Alarm of full water tank	Connect the PVC pipe to the condensate drain hole



WARNING

- If there're following phenomenon, please turn off the air conditioner and disconnect the power immediately, and then contact dealer immediately.
 - Power cord is overheating or damaged.
 - Abnormal sound during operation.
 - Off-flavor.
 - Water leakage
- Do not repair or refit the air conditioner by yourself.
- If operate the air conditioner under abnormal condition, it may cause malfunction, electric shock or fire hazard.



NOTE

If there are other error codes, please contact qualified professionals for service.

Please turn off the air conditioner, take out the plug and contact the authorized licensed technician G.E.DIMITRIOU S.M.SA, tel +30 210 5386490 in case a problem of below notes occurs.

Installation Precaution



WARNING:

- Observe all governing codes and ordinances.
- Do not use damaged or non-standard power cord.
- Be caution during installation and maintenance. Prohibit incorrect operation to prevent electric shock, casualty and other accidents.

Selection of installation location

Basic requirement

Installing the unit in the following places may cause malfunction. If it is unavoidable, please consult the local dealer:

1. The place with strong heat sources, vapors, flammable or explosive gas, or volatile objects spread in the air.
2. The place with high-frequency devices (such as welding machine, medical equipment).
3. The place near coast area.
4. The place with oil or fumes in the air.
5. The place with sulfureted gas.
6. Other places with special circumstances.
7. It's not allowed to be installed on the unstable or motive base structure (such as truck) or in the corrosive environment (such as chemical factory).

Requirement of air conditioner

1. Air inlet should be far away from obstacles and do not put any objects near air outlet. Otherwise, it will affect the radiation of heat discharge pipe.
2. Select a location where the noise and outflow air emitted by the outdoor unit will not affect neighborhood.
3. Please try your best to keep far away from fluorescent lamp.
4. The appliance shall not be installed in the laundry.

Requirements for electric connection

Safety precaution

1. Must follow the electric safety regulations when installing the unit.
2. According to the local safety regulations, use qualified power supply circuit.
3. For appliances with type Y attachment, the instructions shall contain the substance of the following. 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.
4. Properly connect the live wire, neutral wire and grounding wire of power socket.
5. Be sure to cut off the power supply before proceeding any work related to electricity and safety.
6. Do not put through the power before finishing installation.
7. The air conditioner is first class electric appliance. It must be properly grounding with specialized grounding device by a professional. Please make sure it is always grounded effectively, otherwise it may cause electric shock.
8. The yellow-green wire or green wire in air conditioner is grounding wire, which can't be used for other purposes.
9. The grounding resistance should comply with national electric safety regulations.

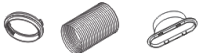
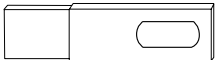
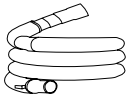
10. To be in compliance with IEC 61000-3-11, impedance value of power-supply system connected to product must be less than or equal to the allowable maximum value of $|Z_{sys}|$ in the following sheet:

model	max $ Z_{sys} $ unit:ohms
TPAC-10CAI	$\leq 0.5\Omega$
TPAC-12CHAI	$\leq 0.5\Omega$

Preparation before Installation

NOTICE: Check if the accessories are available before installation.

Accessory list

Part	Name	Quantity
	Air duct inlet connector Air duct Air duct outlet connector	1PC (for A appearance)
	Window kit	1PC
	Drainpipe	1PC

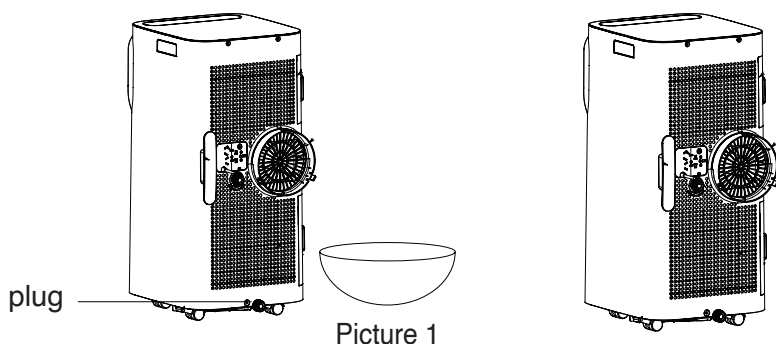
Drain water

When entering the cooling mode, the evaporator will produce condensed water, and the water will flow to the chassis and pass through the pumping motor to cool down the condenser, effectively improving the cooling effect; when the water tank is full, the control panel will display «PI» and the  icon will flash, until the water level drops; in order to switch on the machine again, the water tank must be emptied as follows:

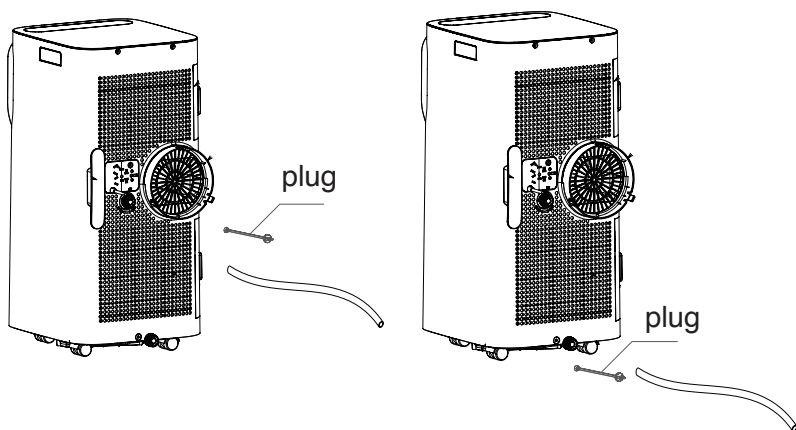
WARNING

When the water level is full, remove the drain water from the inside of the base before moving the product.

1. Take out the drain pan and place it in the drain at the back.
2. Take the water plug on the drain port, and the water on the water tank will be drained automatically. When the water pan is full, plug the drain with a plug. Empty the water pan and repeat the above operation until the water tank is empty.
3. When the water tank is empty, securely plug the drain with a plug. Don't let the water run down to the drain pan as it can easily overflow.
4. When connecting the water pipe, take out the water plug first, pick up the water pipe, face the water outlet, and press firmly in the direction of the arrow. Note that Figure 1 is the water connection port in dehumidification mode, and Picture 2 is the drain port of the water tank.



Drain water

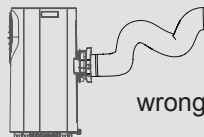
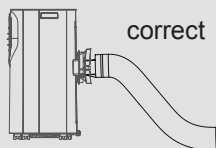
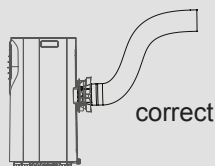
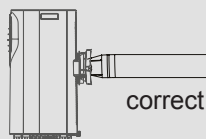


Picture 2

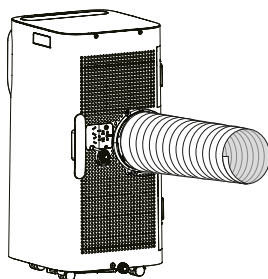
Installation of Heat Discharge Pipe

Note of Installing heat discharge pipe

In order to improve cooling efficiency, the heat discharge pipe should be as short as possible and flat without curve to ensure smooth heat discharge.

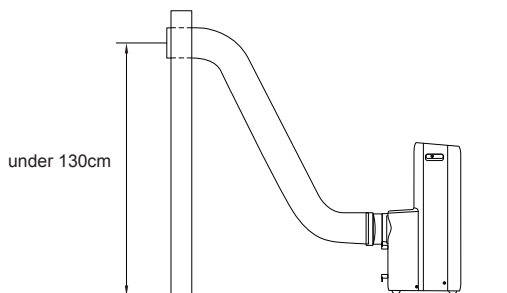


- The length of the heat discharge pipe is less than 1m. It is recommended to use it with shortest length.
- When installing, heat discharge pipe should be as flat as possible. Don't prolong the pipe or connect it with other heat discharge pipe.

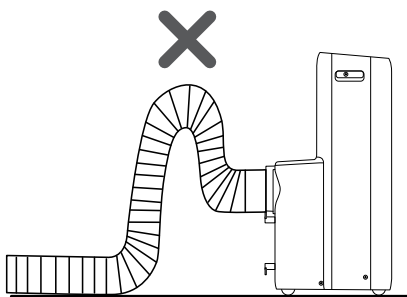


Installation of Heat Discharge Pipe

- Correct installation is as shown in figure (When installing it on wall, height of wall should not be over 130cm from floor).



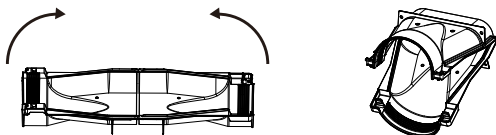
- Wrong installation is shown in following figure (If the pipe is bent too much, it would easily cause malfunction.)



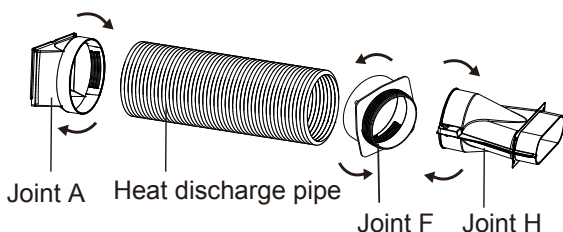
Installation of Heat Discharge Pipe

Installation in the window

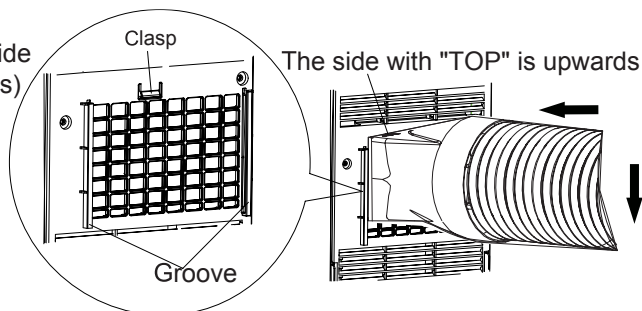
1. Fold the joint H inwards unit these two clasps have tightly connected the joint H together.



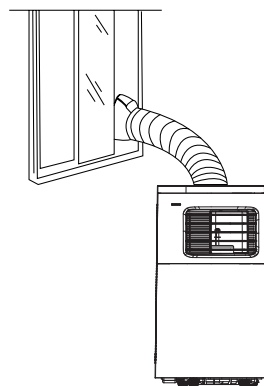
2. Rotate joint A and joint F into the two ends of heat discharge pipe. Then, rotate joint H to joint F, connect tightly.



3. Insert joint A of heat discharge pipe (the side with "TOP" is upwards) into the groove until you hear a sound.



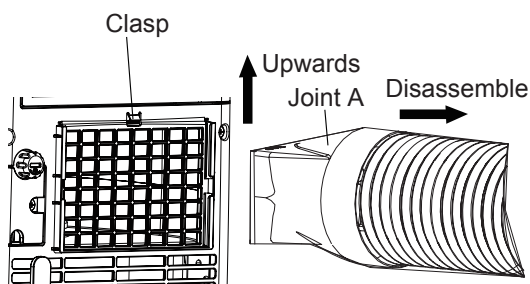
4. Lead the exhaust house outdoors.



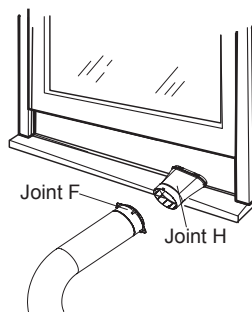
Disassembly of Heat Discharge Pipe

Disassembly for installation in window

1. Remove joint A:
Press the clasp and lift joint A upwards to remove it.



2. Remove joint F:
remove joint F from joint H.



Window installation manual

Assembly of the window kit

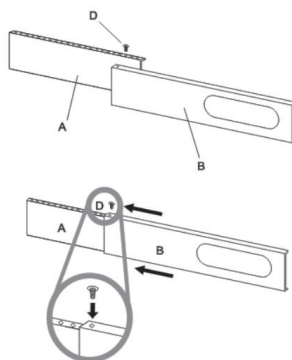
(1) Part name:

- ① Inner window kit
- ② Outer window kit with holes
- ③ Pins

(2) Assembly:

Insert the outer window kit B into the inner window kit A, and then adjust the length. Pay attention to adjust the length of the window kit so that there is no gap between window kit and the window.

(3) Lock the window kit with screws or pins

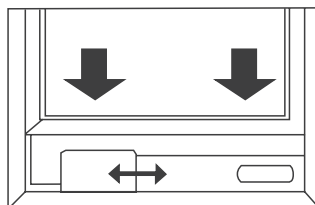
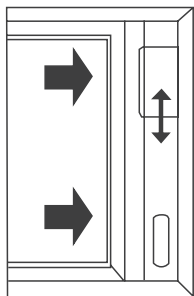


Location to install

- The machine needs to be placed on a firm and level ground to prevent abnormal noise and vibration.
- The casters installed on the machine are used to assist in moving the machine, and it can only be moved on smooth, flat ground. When moving on the carpet, please pay attention to prevent tilting. Please do not move on the wooden floor to prevent damage to the wooden floor. Please do not step over obstacles.
- The machine must be placed near a reliable grounded socket.
- The air outlet and return air of the machine should not have any obstacles.
- In order for the air conditioner to work effectively, please leave at least 50cm clearance around the machine.
- The air duct can be elongated, but it is best to keep it as short as possible, and to ensure that the air duct is as smooth as possible and not excessively bent.

Window installation manual

Window kit installation

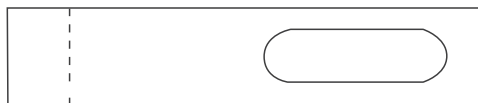


The window kits fit most of the windows that push horizontally or vertically, but you can modify them accordingly for your window if necessary.

- Open the window or slide the door and adjust the length of the window kit to fit the opening. If necessary, mark and cut the veneer short. If the opening of the window is less than the minimum length of the window frame, the length of the window frame can be cut to fit the window opening, please be careful not to cut the end of the window frame with the hole.

WARNING:

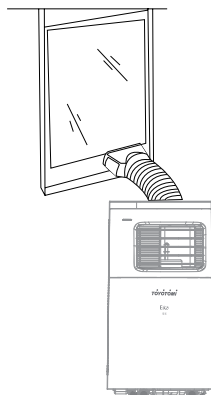
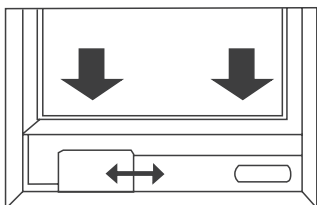
Be aware not to cut the edge of the window frame with the hole



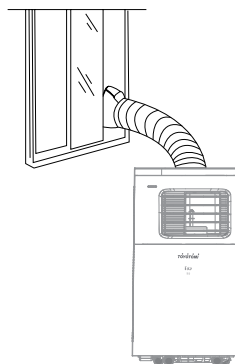
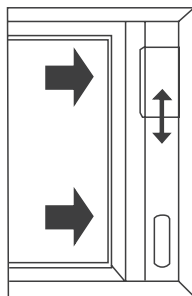
Cut far away from one end of the hole

- Put the window kit between the window and the window frame, and close the window so that the window kit forms a tight gap.

Window installation manual



- Connect the air duct connector to the window kit. Secure with tabs to secure the connector to the window kit.



The design of this machine is more suitable for horizontal or vertical sliding windows, but for other types of windows, manual modification may be required to suit the type of window. The window kit can also be fixed with screws.

Operation Test

- Put through the power supply and then press ON/OFF button on remote controller to start the unit.
- Press mode button to select auto, cooling, drying, fan or heating function, and then check if the unit operates normally.
- If ambient temperature is below 16°C, the unit can't operate in cooling mode.

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Aptitude requirement for maintenance man(repairs should be done only be specialists).

a) Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.

b) Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

Safety preparation work

The maximum refrigerant charge amount is shown on the following table a (Note:Please refer to the nameplate for the charging quantity of R290).

Room area (m ²)	4	11	15
Maximum charge (kg)	<0.152	0.225	0.304

table a - Maximum charge (kg)

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

- Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

- General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material

- Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

- Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

- No ignition sources

No person carrying out work in relation to a refrigeration system which involves

Specialist's Manual

exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "No Smoking" signs shall be displayed.

- **Ventilated area**

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

- **Checks to the refrigeration equipment**

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

---The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed;

---The ventilation machinery and outlets are operating adequately and are not obstructed;

---If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;

---Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

---Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

- **Checks to electrical devices**

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

---That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;

---That no live electrical components and wiring are exposed while charging, recovering or

Specialist's Manual

purging the system;

---That there is continuity of earth bonding.

Repairs to sealed components

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

- Ensure that the apparatus is mounted securely.
- Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres.

Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE : The use of silicon sealant can inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.

Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

Leak detection methods

The following leak detection methods are deemed acceptable for all refrigerant systems.

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Electronic leak detectors may be used to detect refrigerant leaks but, in the case of flammable refrigerants, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.

Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.

Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. For appliances containing flammable refrigerants, oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process

Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, for flammable refrigerants it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:

- remove refrigerant;
- purge the circuit with inert gas; evacuate;
- purge again with inert gas;
- open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. For appliances containing flammable refrigerants, the system shall be “flushed” with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place.

Ensure that the outlet for the vacuum pump is not close to any ignition sources and that ventilation is available.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

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- Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept upright.
- Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the refrigeration system.

Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

- a. Become familiar with the equipment and its operation.
- b. Isolate system electrically.
- c. Before attempting the procedure, ensure that:
 - mechanical handling equipment is available, if required, for handling refrigerant cylinders;
 - all personal protective equipment is available and being used correctly;
 - the recovery process is supervised at all times by a competent person;
 - recovery equipment and cylinders conform to the appropriate standards.
- d. Pump down refrigerant system, if possible.
- e. If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- f. Make sure that cylinder is situated on the scales before recovery takes place.
- g. Start the recovery machine and operate in accordance with manufacturer's instructions.
- h. Do not overfill cylinders. (No more than 80 % volume liquid charge).
- i. Do not exceed the maximum working pressure of the cylinder, even temporarily.
- j. When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k. Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. For appliances containing flammable refrigerants, ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

Specialist's Manual

Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge are available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, flammable refrigerants. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely

Information for the Portable Air Conditioners			
Name or Trademark	TOYOTOMI		
Model Identifier: TPAC-10CAI			
Description	Symbol	Value	Unit
Rated capacity for cooling	P_{rated} for cooling	2,850	kW
Rated capacity for heating	P_{rated} for heating		kW
Rated power input for cooling	P_{EER}	1,090	kW
Rated power input for heating	P_{COP}		kW
Rated Energy efficiency ratio	EER_d	2,61	—
Rated Coefficient of performance	COP_d	2,52	—
Power consumption in thermostat-off mode	P_{TO}	x,x	W
Power consumption in standby mode	P_{SB}	0,5	W
Electricity consumption of single duct appliances (cooling)	QSD	1,090	kWh/h
Electricity consumption of single duct appliances (heating)	QSD		kWh/h
Sound power level	L_{WA}	65	dB(A)
Global warming potential	GWP	3.0	kgCO ₂ eq.
Contact Details G.E. DIMITRIOU S.M.SA 1, Kanakidi & Kosmeridi, 176 76 Kallithea, Greece			

Information for the Portable Air Conditioners			
Name or Trademark	TOYOTOMI		
Model Identifier: TPAC-12CHAI			
Description	Symbol	Value	Unit
Rated capacity for cooling	P_{rated} for cooling	3,25	kW
Rated capacity for heating	P_{rated} for heating	2,60	kW
Rated power input for cooling	P_{EER}	1,245	kW
Rated power input for heating	P_{COP}	0,98	kW
Rated Energy efficiency ratio	EER_d	2,61	—
Rated Coefficient of performance	COP_d	2,65	—
Power consumption in thermostat-off mode	P_{TO}	-	W
Power consumption in standby mode	P_{SB}	0,48	W
Electricity consumption of single duct appliances (cooling)	QSD	1,245	kWh/h
Electricity consumption of single duct appliances (heating)	QSD	0,980	kWh/h
Sound power level	L_{WA}	65	dB(A)
Global warming potential	GWP	3.0	kgCO ₂ eq.
Contact Details G.E. DIMITRIOU S.M.SA 1, Kanakidi & Kosmeridi, 176 76 Kallithea, Greece			

Certificate of compliance CE

The Importer G.E.DIMITRIOU S.M.SA declares that this product meets the general requirements of the following European directives:

LVD: 2014/35 / EU

EMC: 2014/30 / EU

RoHS: (EU) 2015/863

ERP: 206/2012/EU

RED: 2011/65/EU

WiFi: Maximum antenna gain: 3 dBi

Wireless frequency range: 2412MHz - 2472MHz

Therefore, the product is marked with the **CE** symbol and the **Declaration of Conformity** has been issued to the manufacturer and is at the disposal of the competent market surveillance authorities.

Απαγορεύεται η ανατύπωση ή αναπαραγωγή ολόκληρου ή μέρους αυτού του εγχειριδίου με οποιοδήποτε τρόπο, χωρίς την έγγραφη άδεια της Γ.Ε ΔΗΜΗΤΡΙΟΥ Μ.Α.Ε.Ε

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This product is made in China



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