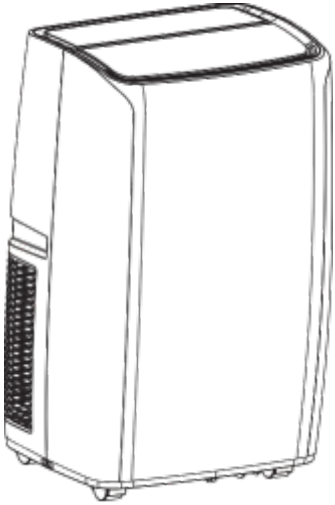
IN231100102V01_UK

823-059V70_823-059V71

Model: FDP35-3034ZR5
FDP41-3034ZR5



Local air conditioner

IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY

ASSEMBLY INSTRUCTION

CONTENTS

Before you start
Please read the following instructions carefully before using the local air conditioner and retain for further reference.

CAUTION: FIRE, ELECTRIC SHOCK, PHYSICAL INJURY AND PROPERTY DAMAGE HAZARDS.

- To use the local air conditioner, always follow the instructions for assembly use and maintenance as well as usage cautions.
- Do not wet the housing or control panel.
- Do not cover the air outlet while in use.
- Do not allow children to play with the control or drop any objects into the air outlet.
- Do not place any objects or let any person sit on top of the unit.
- Always turn the unit off and remove the power plug from the socket when cleaning or for any other maintenance operation.
- Do not attempt to remove any part of the casing unless by an authorised technician.
- Remove the plug from the socket if the unit is not being used for a long period.
- Always connect this appliance to a 220-240 V~ mains power socket.
- Do not operate the unit with damaged plug or loose socket point.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- 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).
- Do not pierce or burn. Be aware that refrigerants may not contain an odour.
- Appliance shall be installed, operated and stored in a room with a floor area larger than 12.5m^2 for model FDP41-3034ZR5; 9.6m^2 for model FDP35-3034ZR5.

WARNING: KEEP VENTILATION OPENING CLEAR OF OBSTRUCTION.

- Servicing shall be performed only as recommended by the manufacturer.

WARNING: THE APPLIANCE SHALL BE STORED IN A WELL-VENTILATED AREA WHERE THE ROOM SIZE CORRESPONDS TO THE ROOM AREA AS SPECIFIED FOR OPERATION.

WARNING: THE APPLIANCE SHALL BE STORED IN A ROOM WITHOUT CONTINUOUSLY OPERATING OPEN FLAMES (FOR EXAMPLE AN OPERATING GAS APPLIANCE) AND IGNITION SOURCES (FOR EXAMPLE AN OPERATING ELECTRIC HEATER).

- 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.
- For leak detection, the use of detergents containing chlorine shall be avoided.
- If a leak is suspected, all naked flames shall be removed/extinguished.
- Call the service agent immediately and keep far away from the product.
- If disposal or decommissioning is needed, please contact the service agent or authorized personal to do it. Do not dispose and decommission the product yourself.
- The appliance shall be installed in accordance with national wiring regulations. The maximum refrigerant charge amount: 260g for model FDP41-3034ZR5;200g for model FDP35-034ZR5.
- An unventilated area where the appliance using flammable refrigerants is installed shall be so constructed that should any refrigerant leak, it will not stagnate so as to create a fire
- Under no circumstances shall or explosion hazard.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- 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.
- The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

- Electronic leak detectors shall be used to detect flammable refrigerants, but 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 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.
- Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.
- 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.
- Become familiar with the equipment and its operation.
- Isolate system electrically.
- 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.

- Pump down refrigerant system, if possible.
- If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

- Make sure that cylinder is situated on the scales before recovery takes place.
- Start the recovery machine and operate in accordance with manufacturer's instructions.
- Do not overfill cylinders. (No more than 80 % volume liquid charge).
- Do not exceed the maximum working pressure of the cylinder, even temporarily.
- 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.
- Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.
- Equipment shall be labeled stating that it has been decommissioned and emptied of refrigerant. The label shall be dated and signed.
- Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant. 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 labeled 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 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.
- Service shall only be performed as recommended by the equipment manufacturer. Maintenance and repair operations requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificatefrom an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recongnised assessment specification.
- Please note this product has non serviceable parts. The coolant gas in this appliance cannot be replaced / regased.
- 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.
- Make sure that the back of the unit is at least 31 cm or more from a wall. Do not place the unit in front of curtains or drapes in case they fall against the back air intake.
- 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.
- If using this appliance with an extension lead do not exceed the maximum rated wattage of the extension lead.
- Do not use this appliance in bathrooms or wet room environments/locations.
- Appliance must not be used in closed cupboards or changing rooms.
- Do not cover the appliance with clothing or any other fabric.
- Appliance must be kept at a suitable distance from walls, furniture and curtains to prevent them from overheating due to poor ventilation.
- Appliance should not be used when no one is at home. If you are away for long periods of time, turn off the power and remove the plug from the socket.
- The filter should be cleaned or replaced periodically to prevent insufficient air flow caused by a buildup of dust particles. Poor air flow will cause overheating, reduce the performance of the unit and add more risk.
- This appliance is designed for INDOOR DOMESTIC USE ONLY.
- The appliance shall not be installed in a laundry room.

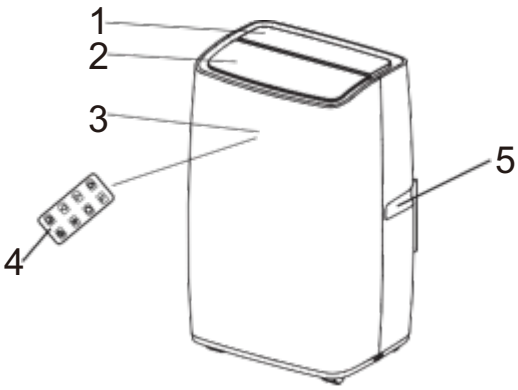
RECYCLING & DISPOSAL

The packaging of your new product has a recycle mark on it. Please dispose of it as recycled paper. Waste electrical products should not be disposed of with general household waste. This is to prevent the possible harm to the environment and human well- being. Contact your local council or government for information regarding the collection schemes in your area.

Identification of parts

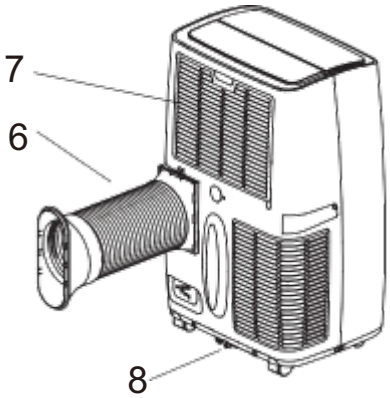
Identification of parts

- ***Front***



1. **Control panel**
2. **Cold air outlet**
3. **Signal receptor**
4. **Remote controller**
5. **Transport handle**
6. **Air outlet hose**
7. **Evaporator air intake**
8. **Primary drain port**

- ***Back***



The figures in this manual are based on the external view of a standard model. Consequently, the shape may differ from that of the air conditioner you have selected.

Control Panel

This section explains proper mobile air conditioner operation.

On/Off button　Speed button　Timer/Temperature up button

Timer button　Mode button　Timer/Temperature down button

Swing button　Sleep button　Cool　Dehumidify　Fan

low、high Fan speed

■ **Control panel operation**

● Cool Dehumidify and Fan Model operation.

1. Turn on the unit

a) Plug in, then the unit beeps once.

b) Press the "⏻"button then the unit is turned on.

The LED displays the room temperature and operate in Cool mode.

2. **Select operating mode**

Press the "⚙"button to select a desired mode shown below.

3. **Adjust temperature**

The temperature can be set within a range of 15°C to31°C by 1°C. Press "▲" or "▼"button to increase or decrease the temperature 1°C by pressing once. The unit LED shows the target temperature for 5 seconds and then displays the room temperature.

4. Adjust Fan Speed

Press the "✣"button to select a desired fan speed shown below:

5. ⏻ Power

When you press "⏻" button again, the unit will "di" and stop working.

6. Swing

Press this button to set swing.

Notice:

Each mode working principle

* mode:

1. The up centrifugal fan will run at low speed ,and the speed can't be adjusted.
2. The compressor and the down centrifugal fan will stop after running 8 mins, then run again after 6mins.
3. The unit adopts constant temperature dehumidifying mode, and the adjustment of temperature is no effective.

* mode:

1. When the room temperature is higher than set temperature, the compressor starts to run.
2. When the room temperature is lower than set temperature, the compressor stop and operate at original set speed.

* mode:

1. The up centrifugal fan runs at set speed , and the compressor does not run .
2. The adjustment of temperature is no effective.

● Operation

1. Press "Timer" button to set Automatic Off time while the unit is running.
2. Press "Timer" button to set Automatic On time while the unit is ready.
3. The time can be adjusted within a range of 1 hour to 24 hour. Press the temp up(+) or temp down(-) button to increase or decrease the time 1 hour by pressing once.

● Operation

1. The operation is effective when the unit is under mode.
2. Press the button in mode, then the unit will work under sleep mode and the up centrifugal fan will turn to low speed automatically. The set temperature will increase 1°C after one hour, and increase 2°C the unit will stop running.

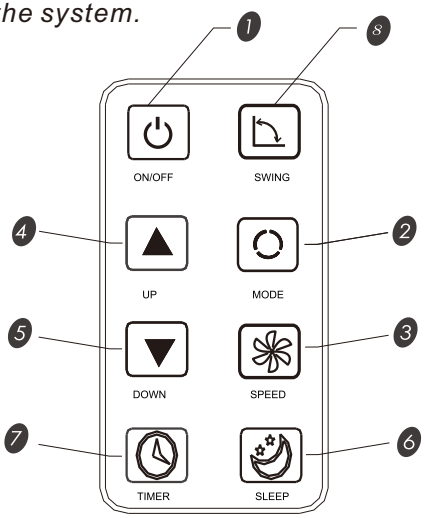
● Operation

1. When the swing button is activated ,the swing blade swings up and down automatically . If you want to stop, press the button again.

Remote controller

Remote controller

The remote controller transmits signals to the system.



1 BUTTON

The appliance will be started when it is energized or will be stopped when it is in operation, if you press this button.

2 BUTTON

Press this button to select the operation mode

3 BUTTON

Used to select fan speed in sequence

4 5 ▲ and ▼

SETTING BUTTONS

Used to adjust the room temperature and the timer.

6 BUTTON

Used to set or cancel Mode operation.

7 BUTTON

Used to set automatic off and automatic on time.

8 BUTTON

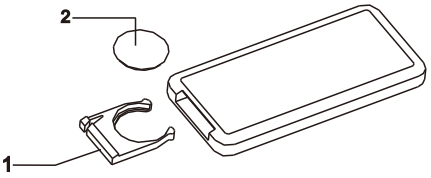
Used for automatic swing set.

Remote controller

Remote controller

■ How to install batteries

• Inserting batteries



Slide the cover to open Be sure the direction is correct

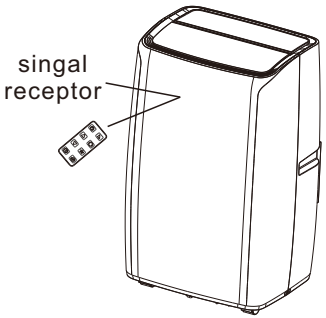
1. Open the back cover, and take off the isolating film on the batteries;
2. Put the batteries inside the slot, with anode and cathode in right directions;
3. Put on the back cover.

Notices:

1). The anode and cathode of the batteries must be corresponding to the signs of “+” and “-” on the remote control;
2). Do not use new battery cells together with run-down cells;
3). For long time no use, take out the batteries;
4). To prevent environmental pollution, take out the used batteries and dispose safely and appropriately.

• How to Use

To operate the air conditioner, aim the remote controller at the signal receptor. The remote controller will operate the air conditioner at distance of up to 5m(16.4 feet)when pointing at singal receptor of the air conditioner



Protection

Operating condition

The protective device may trip and stop the appliance in the cases listed below.

Cooling	Indoor air temperature is over 43°C
	Room temperature is below 15°C
Deshumidifying	Room temperature is below 15°C

If the air conditioner runs in COOLING or DRY mode with door or window opened for a long time when relative humidity is above 80% dew may drip down from the outlet.

Features of protector

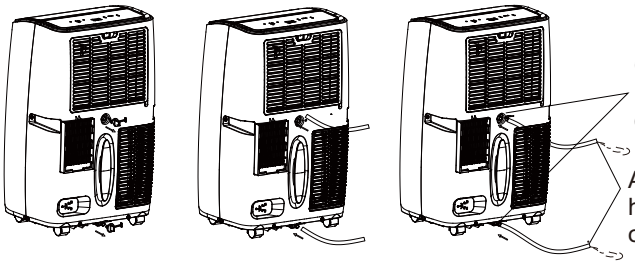
① **The protective device will work in the following cases.**

- Restarting the unit at once after operation stops or changing mode during operation, you need to wait 3 minutes.

② ●If the plug is taken out, when you restart the appliance, it will return to the original mode. TIMER ON and TIMER OFF must be set again.

Drain water

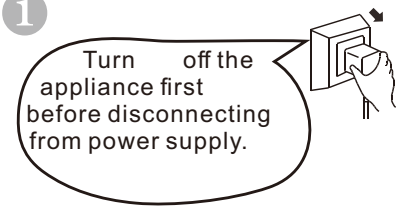
Special reminder: there is condensing water recycling hidden within this unit. The condensing water is partly kept recycling between the condenser and the water plate. When the water level rises to the upper level, the float switch and water full indicator (E4)lights on to remind draining water. Please cut off the power supply, move the appliance to a suitable place, remove the drain plug, drain water completely. after the drain, re-install the plug, or the appliance may leak and make your room wet. If the appliance is placed in a position admitting drain water, you also can connect the drain hose to the drain port to drain water.



Maintenance

Appliance maintenance

1 Cut off the power supply

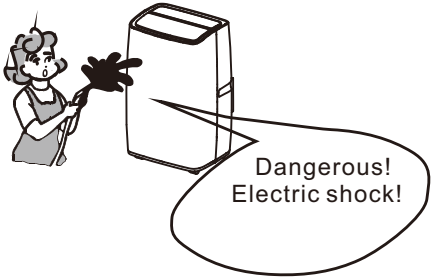


2

Use lukewarm water(below 40°C(104°F)) to clean if the appliance is very dirty.

3 Never use volatile substance such as gasoline or polishing powder to clean the appliance.

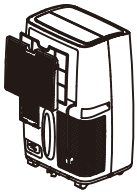
4 Never sprinkle water onto the main unit.



Air filter maintenance

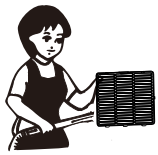
It is necessary to clean the air filterafter using it for about 100 hours.Clean it as follows:

1 Stop the appliance and remove the air filter.



2 Clean and reinstall the air filter.

If the dirt is conspicuous, wash it with a solution of detergent in lukewarm water.After cleaning, dry it in a shaded and cool place, then reinstall it.



3

- Clean the air filter every two weeks if the air conditioner operates in an extremely dusty environment.

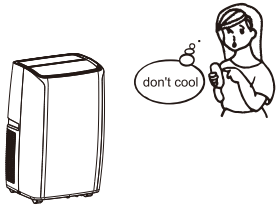
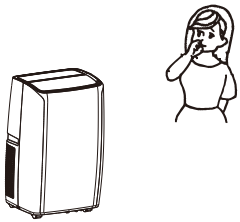
Maintenance

Maintenance after using

1. If the appliance will not be used for a long time, be sure to Pull out the primary and the secondary rubber plug of the drain port , in order to drain the water.
2. Keep the appliance running with fan only for a half day during a sunny day to dry the appliance inside and prevent from going moldy.
3. Stop the appliance and pull out the power supply plug, then take out the batteries of remote controller and store appliance properly.
4. Clean the air filter and reinstall it.
5. Remove the air hoses and store them properly, and cover the hole tightly.

Troubleshooting

The following cases may not always be a malfunction, please check suggestions below before askingfor service.

Trouble	Analysis
Dose not run 	• If the protector trip or fuse is blown. • Please wait for 3 minutes and start again, protector device may be preventing unit from working. • If batteries in the remote controller are exhausted. • If the plug is not properly plugged in.
Runs for a short while only 	• If the set temperature is close to roomtemperature, you can lower the set temperature. • Air outlet is blocked by obstacle.Take the obstacle away.
Runs but not cooling 	• If the door or window is open. • If there is another appliance heat-working.like heater or lamp, etc. . • The air filter is dirty,please clean it. • Air outlet or intake is blocked. • Set temperature is too high.
Dose not run and water full indicator “E4” 	• Pull out the rubber plug to drain water. • If it is often in this state, please contactqualified service technicial.

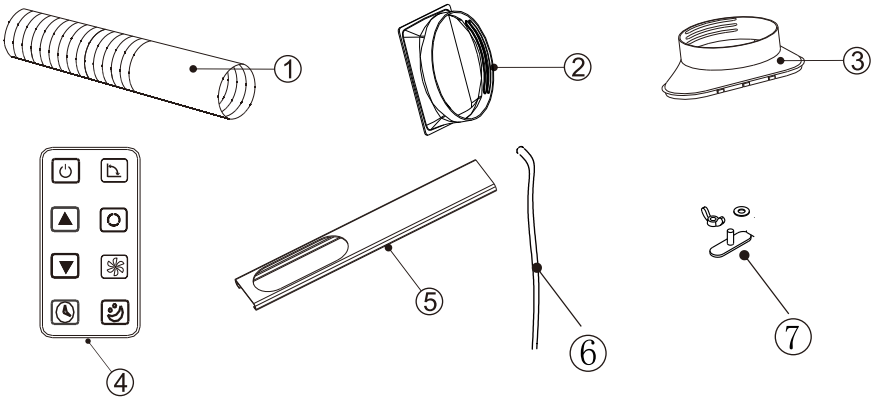
Troubleshooting

Before claiming repair, check the machine as follows:

Failures	Causes	Solutions
Machine fails to start up.	Power supply failure: 1. Not plugged; 2. Plug or socket damaged; 3. Fuse broken.	1. Plug in; 2. Replace the power cord or socket; 3. Replace the fuse by service provider (Specification: 3.15A/250VAC).
Machine automatically stops.	TIMING shut down or set temperature reached.	Restart or wait for auto-switch.
No cold air under COOLING mode.	1. Room temperature lower than set temperature; 2. Machine enters into anti-frost protection.	1. This is a normal phenomenon, the machine will auto-switch while the room temperature is higher than the set temperature; 2. The machine will auto switch after anti-frost protection is over.
LED displays failure code “E2”	Room temperature sensor fails or damaged.	Replace the room temperature sensor.
LED displays failure code “E3”	The evaporator oil pipe sensor fails or damaged.	Replace the evaporator coil pipe sensor.
LED displays failure code “E4”	Water-full warning.	Drain out the water.

Installation

Installation accessories



① Air exhaust duct
② Connector of air exhaust duct
③ Window exhaust adapter
④ Remote control
⑤ Baffle Plate
⑥ Drain Pipe
Wing nut set

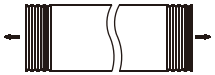
Select the best location

- Beside a window or door.
- There must be at least 60 cm of space between all sides of the unit and the wall.
- Fix one end of the air hose to the air outlet, which is on the underside of the appliance.
- Extend the air hose, ensuring the other end of the air hose has space between the window, door or any other opening.
- Do not block the air outlet or intake.

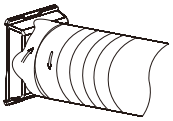
Install exhaust hose and adapter

How to connect the connectors to the Air exhaust duct

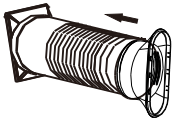
1. Extend the air exhaust duct by drawing out the two ends of the duct.



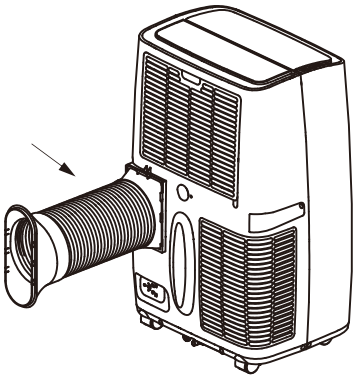
2. Screw the air exhaust duct into the connector of air exhaust duct.



3. Screw the connector of window into the plastic connector.



4. Connect the connector of air exhaust duct to the unit.



Install Window Kit

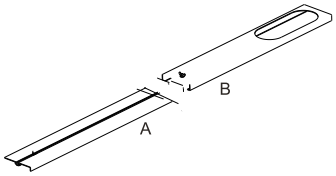
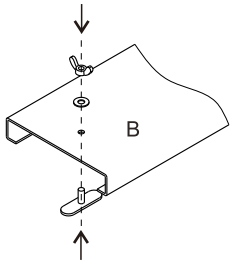


Fig. 1



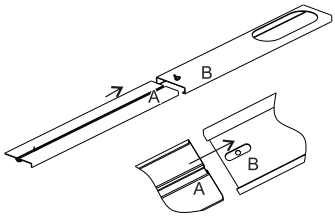


Fig. 2

1. Separate both boards A board, and B board

2.Screw the wing nut through the B board. Leave 2/3 mm of free space.

3. Insert A board into B board according to arrowhead direction.

4. Assembly finished, you can adjust A board up or down, according to height of the window. Screw it unit it is tight.

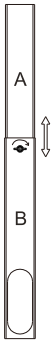


Fig. 3

5. Install exhaust air duct & its accessories into window kit according to arrowhea direction.

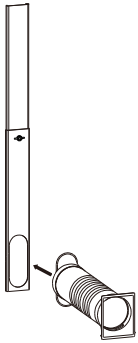


Fig. 4

6. Assembly finished.

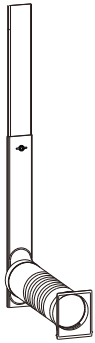


Fig. 5

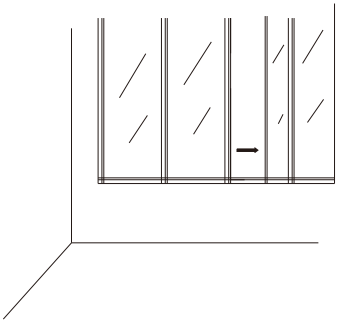


Fig. 6

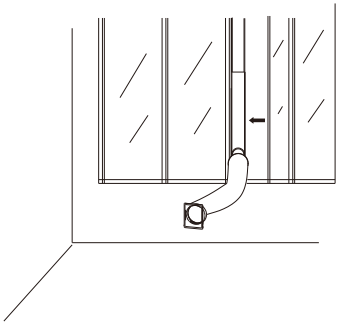


Fig. 7

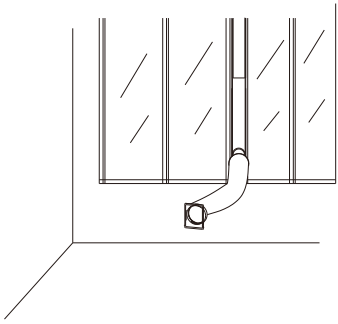


Fig. 8

7. Open the window where need install exhaust air duct, window kit and their accessories.

8. Install exhaust air duct, window kit and their accessories onto window, then close the window according to arrowhead direction in Fig7 drawing to press window kit tightly.

9. Install exhaust air duct, window kit and their accessories onto window according to Fig8 drawing illustrated.

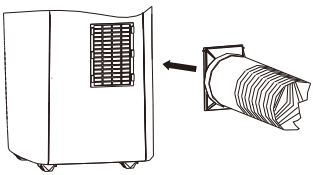


Fig.9

10. Connect another end of exhaust air duct and its accessories onto portable air conditioner.

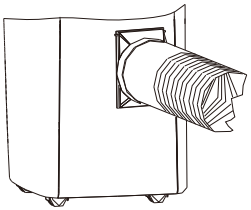


Fig.10

11. Exhaust air duct & its accessories assembly finished as Fig10 drawing illustrated.

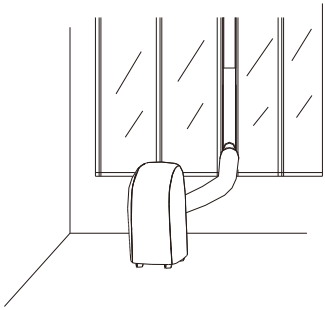


Fig.11

12. Whole unit assembly well as Fig11 drawing illustrated.

If you have any questions, please contact our customer care centre.
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0044-800-240-4004

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IMPORTER ADDRESS:
MH STAR UK LTD
Unit 27, Perivale Park,
Horsenden lane South
Perivale, UB6 7RH
MADE IN CHINA

Technical specifications

Model	FDP41-3034ZR5
Cooling Capacity	4000W
Cooling input power/Current	1500W/6.9A
Air flow volume (m^3/h)	$400m^3/h$
Rated voltage /Frequenc(V/Hz)	220-240V~/50Hz
Sound Pressure Level (dB (A))	L_{PA} : 54dB(A)
	L_{WA}: 65dB(A)
Rated energy efficiency ratio(EER rated)	2.6
Global warming potential (kg CO2)	3
EE Rrated class	A
Net weight (Kg)	30kg
Refrigerant	R290
Miniature Fuse	3.15A 250VAC

Technical specifications

Model	FDP35-3034ZR5
Cooling capacity	3500W
Cooling input power/Current	1300W/6.9A
Air flow volume (m^3/h)	400m^3/h
Rated voltage /Frequenc(V/Hz)	220-240V~/50Hz
Sound Pressure Level (dB (A))	L_{PA} : 54dB(A)
	L_{WA}: 65dB(A)
Rated energy efficiency ratio(EER rated)	2.6
Global warming potential (kg CO_2)	3
EE Rrated class	A
Net weight (Kg)	29kg
Refrigerant	R290
Miniature Fuse	3.15A 250VAC