![Challenge logo]

8000 BTU LOCAL AIR CONDITIONER
INSTRUCTION MANUAL

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NOTE

The rating data indicated on the energy label is based on the testing condition of installing the un-extended air exhaust duct without adaptor A & B (The duct and the adaptor A & B are listed in the accessories chart of the Instruction Manual). See the right figure.
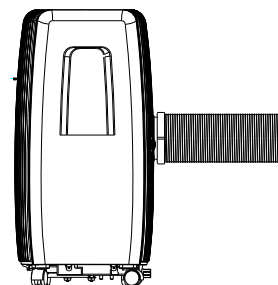
SAFETY PRECAUTIONS

Safety rules

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

ⓘ Always do this

- Your air conditioner should be used in such a way that it is protected from moisture. e.g. condensation, splashed water, etc.Do not place or store your air conditioner where it can fall or be pulled into water or any other liquid.Unplug immediately if it occurs.
- Always transport your air conditioner in a vertical position and stand on a stable, level surface during use.
- Turn off the product when not in use.
- Always contact a qualified person to carry out repairs. If the supply cord is damaged it must be repaired by a qualified repairer.
- Keep an air path of at least 30cm all around the unit from walls, furniture and curtains.
- If the air conditioner is knocked over during use, turn off the unit and unplug from the mains supply immediately.
- Always use the switch on the control panel.

🚫 Never do this

- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Do not touch the unit with wet or damp hands or when barefoot.
- Do not press the buttons on the control panel with anything other than your fingers.
- Do not remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.
- Never use the plug to start and stop the unit.
- Do not cover or obstruct the inlet or outlet grilles.
- Do not use hazardous chemicals to clean or come into contact with the unit. Do not use the unit in the presence of inflammable substances or vapour such as alcohol, insecticides, petrol,etc.
- Do not allow children to operate the unit unsupervised.
- Do not use this product for functions other than those described in this instruction manual.

For your safety

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Avoid fire hazard or electric shock. Do not use an extension cord or an adaptor plug. Do not remove any prong from the power cord.

⚠ WARNING   Electrical Information

- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.

CAUTION:

- 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.

SAFETY PRECAUTIONS

Energy Save

- Use the unit in the recommended room size.
- Locate the unit where furniture cannot obstruct the air flow.
- Keep blinds/curtains closed during the sunniest part of the day.
- Keep the filters clean.
- Keep doors and windows closed to keep cool air in and warm air out

Operating condition

- The air conditioner must be operated within the temperature range indicated below:

MODE	ROOM TEMPERATURE
COOL	$17^{o}C \sim 35^{o}C$
DRY	$13^{o}C \sim 35^{o}C$

Suggested tools for window kit installation

1. Screwdriver(medium size Phillips)
2. Tape measure or ruler
3. Knife or scissors
4. Saw(In the event that the window kit needs to be cut down in size because the window is too narrow for direct installation)
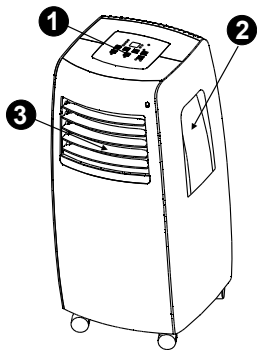
(with filter)

IDENTIFICATION OF PARTS

NAMES OF PARTS

Front

Rear

❶ Operation Panel

❷ Carrying Handle (both sides)

❸ Cold air outlet
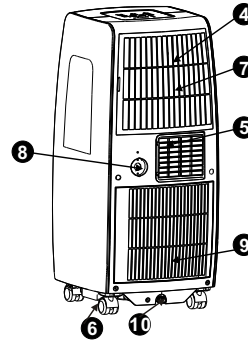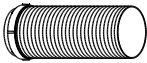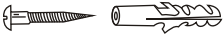
❹ Upper Air Filter

❺ Air Outlet

❻ Wheel

❼ Air intake (with filter)

❽ Drain Outlet

❾ Air intake

❿ Bottom tray drain outlet

Fig.1

Fig.2

Accessories

PARTS :	PARTS NAME :	QUANTITY :
	Exhaust hose (Length: 1.4m, Diametre: 150mm)	1 set
	Adaptor B(round mouth)	1 set
	Wall Exhaust Adaptor A	1 pc
	Expansion Plug and wooden screw	4 pcs

* Check all the accessories are included in the package and please refer to the installation instructions for their usage.

INSTALLATION INSTRUCTIONS
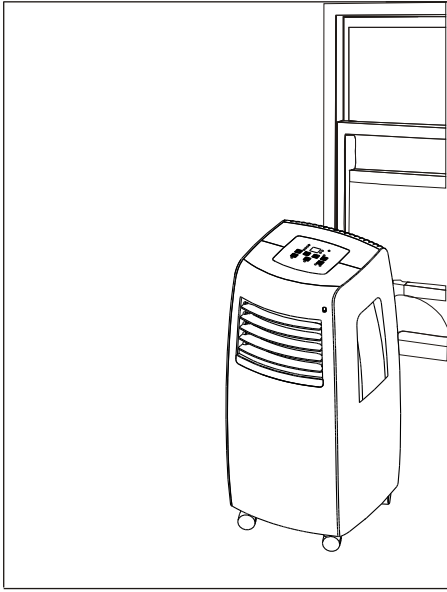
Fig. 3

INSTALLATION INSTRUCTIONS
Location
- The air conditioner should be placed on a firm foundation to minimize noise and virbration. For safe and secure positioning, place the unit on a smooth, level floor strong enough to support the unit.
- The unit has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpet surfaces. Do not attempt to roll the unit over objects.
- The unit must be placed within reach of a properly rated grounded socket.
- Never place any obstacles around the air inlet or outlet of the unit.
- Allow at least 30cm of space from the wall for efficient air-conditioning.

INSTALLATION INSTRUCTIONS

Fig. 4

Fig.5

Exhaust hose installation:

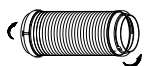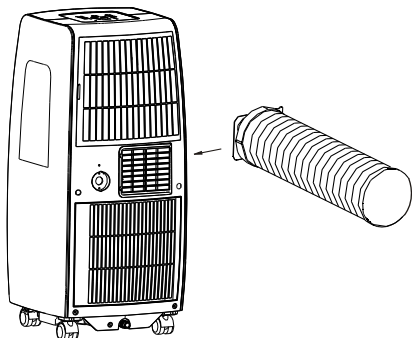The exhaust hose and adaptor must be installed or removed in accordance with the usage mode.

COOL, AUTO mode	Install
FAN,DEHUMIDIIFY mode	Remove

1. Install the window Exhaust adaptor B onto the exhaust hose as shown in Fig. 4. Refer to the previous pages for window kit installation.
2. Push the Exhaust hose into the air outlet opening along the the arrow direction(See Fig. 5).

The exhaust hose can be installed into the wall
(Not applicable to the units without adaptor A, expansion plugs and wooden screws of Accessories)**.**
1. Prepare a hole in the wall. Install the wall Exhaust adaptor A onto the wall(outside) by using 4 expansion plugs and wooden screws, be sure to fix thoroughly. (See Fig. 6)
2. Attach the Exhaust hose installed adaptor B(round mouth) to wall Exhaust adaptor A.

Note:
Cover the hole using the adaptor cap when not in use.

● The duct can be compressed or extended moderately according to the installation requirement, but it is desirable to keep the duct length to a minimum.

IMPORTANT:

DO NOT OVER BEND THE HOSE (SEE Fig.7)

⚠CAUTION:

Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 500mm) in order to the exhaust system works properly.
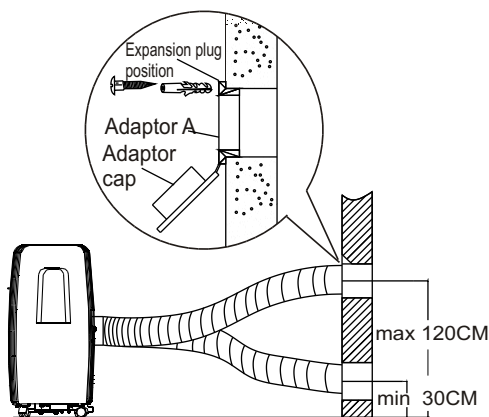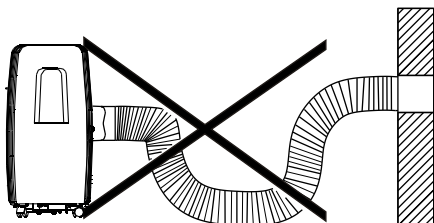

Fig. 6

Fig. 7

INSTALLATION INSTRUCTIONS

Remove the drain plug

Fig.8

Drain plug

Continuous drain hose

Fig. 9

Bottom drain plug
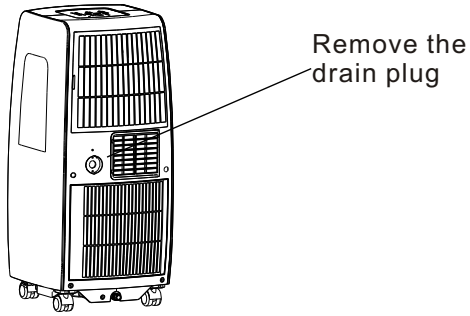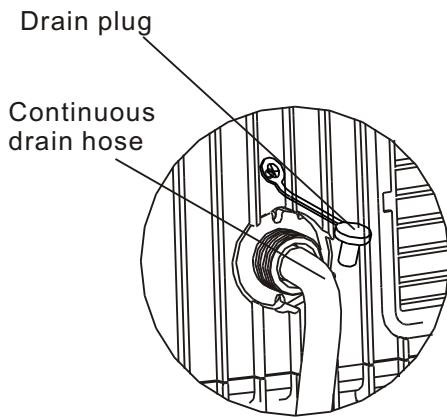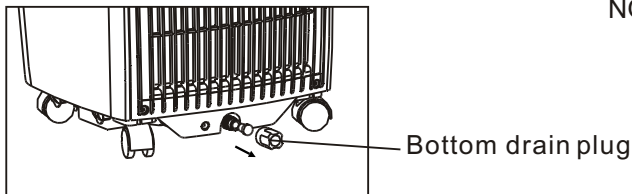
Fig.10

Water drainage:

- During dehumidifying modes, remove the drain plug from the back of the unit, install the drain connector(5/8″ universal female mender) with 3/4″ hose(locally purchased). For the models without drain connector, just attach the drain hose to the hole. Place the open end of the hose directly over the drain area in your basement floor. Please refer to Fig.8 & 9.

- When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times, the digital display area shows "P1". At this time the air conditioning/dehumidification process will immediately stop. However, the fan motor will continue to operate(this is normal).
  Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain away (Fig.10). Re-install the bottom drain plug and Restart the machine until the "P1" symbol disappears. If the error repeats, call for service.
  NOTE: Be sure to reinstall the bottom drain plug before using the unit.

OPERATION

Control Panel
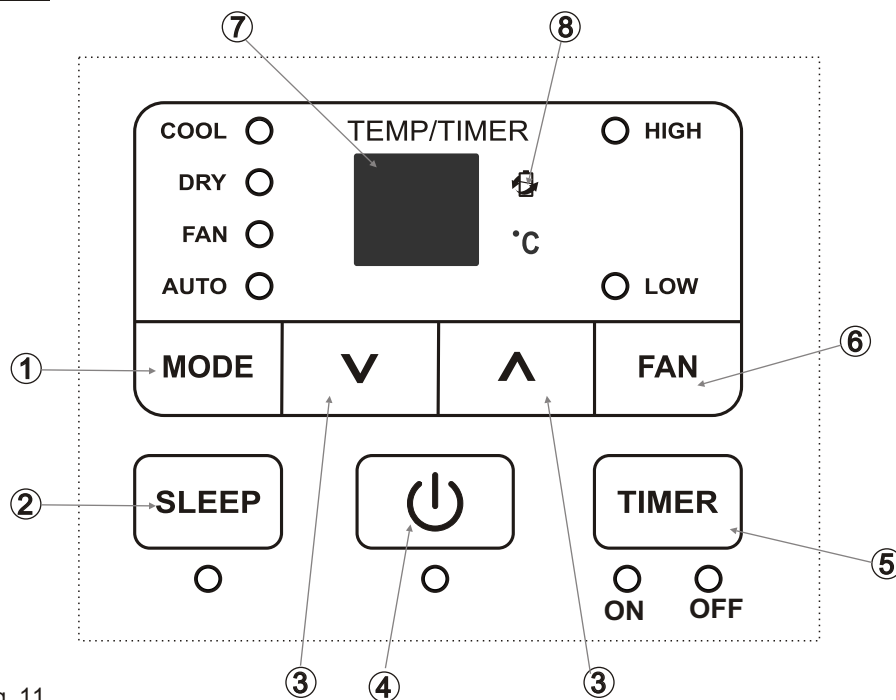
Fig. 11

❶ MODE select button
Selects the appropriate operating mode. Each time you press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY and FAN .The mode indicator light illuminates under the different mode setting.

❷ SLEEP button
Turn on/Off the SLEEP operation.

❸ UP(╋) and DOWN(━) button
Increase/decrease temperature settings (1°C increments) in a range of 17°C to 30°C or the TIMER setting in a range of 0~24hrs.
NOTE: The control is capable of displaying temperature in degrees Celsius. To convert from one to the other, press and hold the Up and Down buttons at the same time, for 3 seconds.

❹ ON-OFF button
Turn the unit ON/OFF

❺ TIMER button
Turn the timer function ON/OFF. The unit be turned ON by the Auto on start time and OFF by auto off stop time program, on conjuction with the ⌃ & ⌄ buttons.
The timer ON/OFF indicator light illyminates under the timer ON/OFF setting.

❻ Fan button
Control the fan speed. Press to select the fan speed in three steps - LOW , HIGH and AUTO. The fan speed indicator light illuminates under different fan settings except AUTO speed. AUTO fan speed, all the fan indicator lights fan indicator lightswill turn dark.

❼ LED Display
Displays the set temperature in "°C " and the Auto-timer settings.
While on DRY and FAN modes, it shows the room temperature.

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OPERATING INSTRUCTIONS

❽ Power save mode

When the room temperature is lower than the setting temperature for 30 minutes, the unit will switch itself to power save mode. The compressor and fan motor will stop and the power save mode indicator will illuminates. When the room temperature is increasing over the setting temperature, the unit will switch back to normal mode to operate. The indicator will go off and both compressor and fan will turn on again.

Operating Instruction

COOL operation
- Continue to press the "MODE" button until the "COOL" indicator light comes on.
- Continue to press the ADJUST buttons "▲" or "▼" to select your desired room temperature. The temperature can be set within a range of 17^oC-30^oC
- Continue to press the "FAN" button to choose the fan speed.

DRY operation
- Press the "MODE" button until the "DRY" indicator light comes on.
- Under this mode, you cannot select a fan speed or adjust the temperature.
- Keep windows and doors closed for the best dehumidifying effect.
- Do not put the hose to window.

AUTO operation
- Continue to press "Mode" to select the "Auto" mode. It will automatically select cooling, fan only operation depending on what temperature you have selected and the room temperature.
- The air conditioner will control room temperature automatically round the temperature point set by you.
- Under AUTO mode, you can not select the fan speed.
  NOTE: Under AUTO mode, both the AUTO mode and the actual operation mode indicator lights illuminate.

FAN operation
- Continue to press "MODE" button until "FAN " indicator light comes on.
- Continue to press "FAN" button to choose the fan speed. The temperature cannot be adjusted.
- Do not put the hose to window

TIMER operation
- When the unit is on, first press the Timer button, the TIMER OFF indicator light illuminates. It indicates the Auto Stop program is initiated. Press the Timer button again, the TIMER ON indicator light illuminates. It indcates the Auto Start program is initiated.
- When the unit is off, first press the Timer button, the TIMER ON indicator light illuminates. It indicates the Auto Start program is initiated. When the unit. Press the Timer button again, the TIMER OFF indicator light illuminates. It indcates the Auto Stop program is initiated.
- Press or hold the UP or DOWN button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will register in 5 seconds and the system will automatically revert back to display the previous temperature setting.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/ Stop timed program.
- When the malfunction (E1 or E2) occurs, the Auto Start/Stop timed program will also be cancelled.

SLEEP operation

Press this button, the selected temperature will increase by 1° C/30 minutes.The temperature will then increase by another 1°C after after an additional 30 minutes. This new temperature will be maintained for 7 hours before it returns to the originally selected temperature. This ends the Sleep mode and the unit will continue to operate as originally programmed.

NOTE: This feature is unavailabe under FAN or DRY mode.

Remark

Auto-Restart

If the unit shut down unexpectedly due to the power cut,it will restart with the previous function setting automatically when the power resumes..

Wait 3 minutes before resuming operation

After the unit has stopped, it cannot be restarted operation in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

Air flow direction adjustment

Adjust the air flow direction manually (Fig. 12):
- The louver can be set to the desired position manually.
- Do not place any heavy objects or other loads on the louver, doing so will cause damage to the unit.
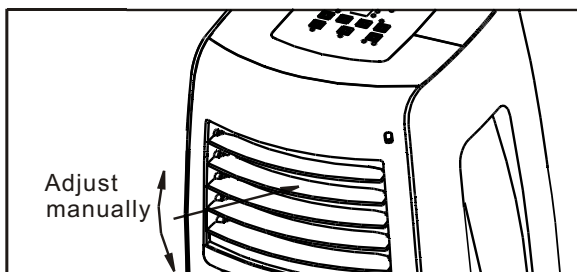- **Keep the louver fully opened during operation.**

Adjust manually

Fig. 12

10

CARE AND MAINTENANCE

Upper filter (take out)
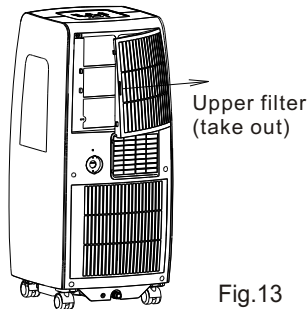
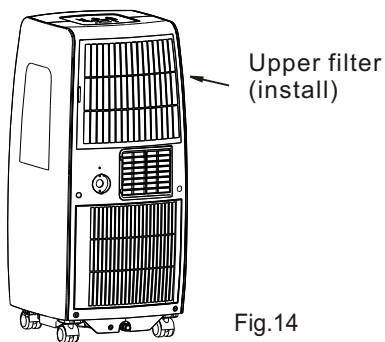Fig.13

Upper filter (install)

Fig.14

CARE AND MAINTENANCE

IMPORTANT:

1) Be sure to unplug the unit before cleaning or servicing.
2) Do not use gasoline, thinner or other chemicals to clean the unit.
3) Do not wash the unit directly under a tap or using a hose. It may cause electrical danger.
4) If the power cord is damaged, it should be repaired by manufacture or its agency.

1. Air filter

- Clean the air filter at least once every two weeks to prevent inferior fan operation because of dust.
- Removal
  This unit has an upper filter. Take it out along the arrow direction (Fig. 13), then take the filter down.
- Cleaning
  Wash the air filter by immersing it gently in warm water (about 40°C) with a neutral detergent. Rinse the filter and dry it in a shady place.
- Mounting
  Install the upper filter after cleaning (see Fig. 14).

2. Unit enclosure

- Use a lint-free cloth soaked with neutral detergent to clean the unit enclosure. Finished by a dry clean cloth.

3. Unit idle for a long time

- Remove the rubber plug at the back of the unit and attach a hose to drain outlet. Place the open end of the hose directly over the drain area in your basement floor (See Fig.9& 10).
- Remove the plug from the bottom drain outlet, all the water in the bottom tray would drain out.
- Keep the appliance running on FAN mode for half a day in a warm room to dry the appliance inside and prevent mold forming.
- Stop the appliance and unplug it, wrapped the cord and bundle it with the tape. Remove the batteries from the remote controller.
- Clean the air filter and reinstall it.

TROUBLESHOOTING TIPS

TROUBLE SHOOTING

Error codes:
E1- Room temperature sensor error-
Unplug the unit and plug it back in.
If error repeats, call for service.
E2- Evaporator temperature sensor error-
Unplug the unit and plug it back in.
If error repeats, call for service.
E4- *Display panel communication* error-
Unplug the unit and plug it back in.
If error repeats, call for service.

Protection codes:
P1- Bottom tray is full - Connect the
drain hose and drain the collected
water away. If error repeats, call
for service.

NOTE: When more than one codes occur,
the priority of the code display order is:
E4--E2--E1--P1.

TROUBLES	POSSIBLE CAUSES	SUGGEST REMEDIES
1. Unit does not Start when Pressing on/off Button	- P1 appears in the display window	Drain the water in the bottom tray.
	- Room temperature is lower than the set temperature.(Cooling mode)	Reset the temperature.
2. Not cool enough	- The windows or doors in the room are not closed.	Make sure all the windows and doors are closed.
	- There are heat sources inside the room.	Remove the heat sources if possible.
	- Exhaust air duct is not connected or blocked.	Connect the duct and make sure it can function properly.
	- Temperature setting is too high.	Decrease the set temperature.
	- Air filter is blocked by dust.	Clean the air filter.
4. Noisy or vibration	- The ground is not level or not flat enough.	Place the unit on a flat, level ground if possible.
5. Gurgling sound	- The sound comes from the flowing of the refrigerant inside the air-conditioner.	It is normal.
6. Power shut off at Heating mode	- The automatic over heat protection function. When the temperature at the air outlet exceed 70°C,the device will stop.	Switch on again after the unit has cool down.

PRODUCT SPECIFICATION

The figures below are for reference only and are based on practical operation.
Performance may vary slightly depending on environmental conditions.

Description of product	Portable Air Conditioner
Model	MPS3-08CRN1-QB6G1
Voltage/Frequency	220-240V~/50Hz
Cooling capacity	8000BTU/H
	2.3 kW
Dehumidifying capacity	0.9L/H
Refrigerant	R-410A
Timer	24 hours
Air flow volume	370 m³/hour
Dimensions (W) X (H) X (D)	34.9x38.1x74.9
Weight	21.8kg
Room size	Up to 19 m²

(EC) NO.842/2006:
Do not vent R-410A into atmosphere: R-410A is a fluorinated greenhouse gas, covered by
Kyoto Protocol, with a Global Warming Potential (GWP)=1975.

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

Before Switching on make sure that the voltage of your electricity supply is the same as that indicated on the rating plate.

MAIN CORD
Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code :

BLUE - NEUTRAL
**BROWN - LIVE**
GREEN AND YELLOW - EARTH

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**.
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED.**
3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or ⏚ or coloured **GREEN OR GREEN/ YELLOW**.
4. Always ensure that the cord grip is positioned and fastened correctly.

If a **13 Amp (BS 1363)** fused plug is used it must be fitted with a **13Amp** fuse. If in doubt consult a qualified electrician.

Wiring for a 13 Amp Plug (BS1363)
Please note. The Earth Terminal is marked with the letter **E** or Earth Symbol ⏚.

Earth - ⏚
(Green / Yellow)

13Amp

Neutral - N
(Blue)

Live - L
(Brown)
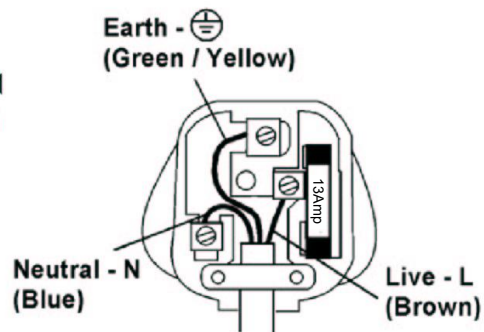
IMPORTANT
If a 13 Amps (BS 1363) plug is used, it must be fitted with a 13 Amp Fuse conforming to BS1362 and be ASTA approved. If in doubt consult a qualified electrician who will be pleased to do this for you.

TECHNICAL INFORMATION (ERP)

TECHNICAL INFRROMATION

Description	Symbol	Value	Unit
Rated capacity for cooling	P for cooling	2.3	KW
Rated power input for cooling	Peer	0.9	KW
Rated Energy efficiency ratio	EER	2.6	
Power consumption in thermostat-off mode	Pto	0.5	W
Power consumption in standby mode	Psb	0.5	W
Electricity consumption of single duct appliances	Q	0.9	KWh/60min
Sound power level	Lwa	65	dB(A)
Global Warning potential	GWP	1700~2000	KgCO2eq
Contact details for obtaining more information	Customer helpline 0845 640 0800		

Argos

PRODUCT GUARANTEE

This product is guaranteed against manufacturing defects for a period of

1

Year

This product is guaranteed for twelve months from the date of original purchase.

Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:
- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalided if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Ltd
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW