This symbol shows that the Operating Instructions should be read carefully.

This symbol shows that service personnel should be handling this equipment with reference to the Technical Manual. CAUTION

This symbol shows that there is information included in the Operating Instructions and/or  $\prod$ i CAUTION

# Before operating the unit, read these operating instructions thoroughly and keep them for future reference

# 1 SAFETY PRECAUTIONS

Please observe these following safety precautions when using your air conditioner. Failure or negligence in observing these safety precautions could cause fire, electrical shock or personal injury. This sign warns of risk of death or serious injury.

(CAUTION

This sign warns of risk of injury or damage to property.

This symbol denotes an action that is PROHIBITED

These symbols denote actions that are COMPULSORY.

INSTALLATION PRECAUTION

stove, gas water heater, electric room heater or other heat source. The room air conditioner must be earthed.

Improper grounding could cause electric shock.

Do not install the unit in a place where there are explosive gas leaks.

Gas leaks near the unit could cause fire.

Ensure that the drainage piping is connected properly.

Otherwise water will leak out.



Risk of fire /

### OPERATION PRECAUTION

# WARNING This sign warns of risk of death or serious injury.

Do not modify the length of power cord or use an extension cord.
 Do not bluch or operate with wet hands.
 Do not modify or damage the cord.
 Do not time on the unit by inserting the power plug.
 Do not switch off the unit by pulling out the power plug.
 Avoid an extended period of direct airflow.
 Do not insert your fingers or other objects into the unit, rotating parts may cause injury.
 Do not by to repair the unit yourself.

- Do not by to repair the unit yourself.
   Plug in properly before operating and use a specified power cord.
   If abnormal conditions (turnt smell, etc.) occur, switch off and disconnect the power plug.
   Confirm to authorized dealer or specialist on usage of specified refrigerant type. Using of refrigerant other than the specified may cause product damage, burst and injury enduding childred with reduced physical, sensory or mental capabillies, 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.

# CAUTION This sign warns of risk of injury or damage to property.

- Do not use the unit for other purposes, than its intended use
  Do not disconnect the power plug by pulling the cord.
  Do not block the air intake and outlet varies.
  Do not spash or direct water at the unit.
  Do not expose the unit to direct sunlight during operation.
  Do not expose the unit to direct sunlight during operation or when the front intake grille has been removed.
  Do not operate the unit without the air filter installed or when the front intake grille has been removed.
  Do not operate any combustion equipment near the unit's air flow area.

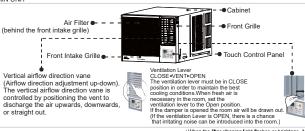
  - air flow area.

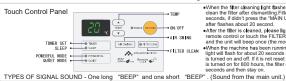
    Do not sit or step on the unit, you may fall down accidentally Do not touch the sharp aluminium fin, sharp parts may
- On ort buch the sharp anuneur
  cause highy
  Do not use means to accelerate the defrosting process or to clean, other than those recommended by manufacturer.
  Switch off the breaker and unplug the unit from the socket if the unit will not be operated for a long period.
  Pay afternion to any damages on the unit caused by extensive usage.

  - Ventilate the room occasionally where the unit is installed.
     Unplug the power cord when cleaning the unit.

# 2 PARTS IDENTIFICATION

# MAIN UNIT



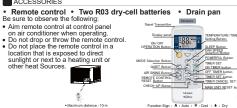


in noise can be introduced into the room.)

When the fifter cleaning light lashes or brightens, it is recommended to clean the filter after dismantling. Filter cleaning light will flash about 20 seconds, if didn't press the "MAN UNIT RESET," I will keep brighten after flashes about 20 second.

After the fifter is cleaned, please lightly press the "Reset" button on the remote control or touch the FILTER CLEAN button on the comfort panel will be control to the present of the control panel will be control to the control panel will be control to the control panel will be control to the control panel control panel will be control panel pan

# ACCESSORIES



# 3 PREPARATION BEFORE OPERATING

# **⚠ WARNING**

Ensure that the power plug is securely inserted. A loose plug may cause a fire or an electric shock.

- If the unit is not going to be used for an extended period
  of time, disconnect the power plug. Otherwise, approximately
  2.5W of electricity will be used even if the unit has been
  turned off using the remote control.
   If operation is stopped, and to be restarted immediately,
  the unit will resume operation only after 3 minutes.

# HOW TO INSERT BATTERIES







# Do not use rechargeable (Ni-Cd) batteries because such batteries differ from the standard dry cell batteries in shape, dimensions and performance.

**⚠** CAUTION

### ABOUT THE BATTERIES

- OPERATION CONDITIONS Use the air conditioner under the following conditions:
- Operating temperature range Continuous operation at over 90% high humidity may create condensation and result in waterdrops on the intake and outlet vanes.
- Wavel installation in the following locations.

  \*Mechanical processing plants and other places with a lot of mechanical oil.

  \*High himstill years such as laundry room and bathroom.

  But conditioner COOLING normal operating temperature.

  \*Hodoor maximum temperature 30°C, lowest temperature 16°C

  \*Outdoor maximum temperature 30°C, lowest temperature 16°C

  - When the air conditioner is used at room temperature of 21 degrees or less, When the air conditioner is used at room temperature of 21 degrees or less, the temperature may be too low, and the air conditioner may be easily frosted. After frosting, it may be difficult to drain and may flow into the room.

# 4 AIR CONDITIONER INSTALLATION

### CHOOSING THE INSTALLATION LOCATION

- When installing, use the nearest power outlet. Make sure the power outlet is easy to reach so you can quickly disconnect your air conditioner in case of emergency. Ensure that the air conditioner is well supported, securely fastened, easily reachable
- and not obstructed.

- and not obstructed.

  Avoid location with: salty or sulphurous air, draughts, dampness and flammable gas.

  If you install the drainage system, be sure to channel the condensed water to a suitable location.

  Covers, obstructions and unsteady support may cause excessive operating noise and vibration.

  The rear end of the air conditioner is splash proof. You don't need to shield or cover it.

  R32 refrigerant air conditioner installation and maintenance should be done by competent person.

### PREPARATIONS BEFORE INSTALLATION Dimension

- There should not be any obstacles surrounding the unit.
   Prepare the installation hole slightly bigger than the cabinet size.
   Left and right side of the unit should be at least 15 cm
- away from the wall.

  The minimum installation height is 75cm.
- (Based on IEC 60335-2-40, there is no restriction for the minimum installation floor area since the refrigerant charges is less than 1.842kg.)

# CAUTION POINT DURING INSTALLATION

When installing air conditioner at glass window or thin partition, fix the vertical and side supporting bar to the concrete wall in order to support the weight of the air-conditioner and reduce the vibration that is being transferred to the glass window or thin partition.

This can minimize the noise problem caused by improper installation.

Proposed to use 1/8" x 1-1/4" "angle-aluminium for installation frame and side supporting bar.

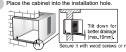
1 Remove the chassis locking bracket from the cabinet. Save for later use.

INSTALLATION PROCEDURES

2 Slide the chassis out from the cabir

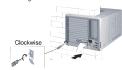


3 Place the cabinet into the installation hole



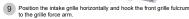
4 Slide the chassis into the cabinet.







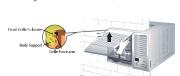
Attach air filter to the front grille. (see anti-bacterial filter installation instructions included in this package)





# REMOVAL OF FRONT GRILLE

Open the Intake Grille until over 90° front crille fulcrum can remove from Grille force arm.



Tilt up and pull out the air filter by the holder



# 3 Remove the front grille.

- Remove the screw on the front grille.
   At the bottom right side of the front grille, press inward on the cabinet near the power cord, and pull the grille outward to the right until right tab releases.
- At the bottom left side, push inward on the cabinet and pull the grille outward to the left to release the left tab. Do not pull the bottom edge towards to you for more than 3 inches to prevent the two top tabs from damage.

  Slide the front grille upwards to loosen the two top tabs from slots at the top of the cabinet.

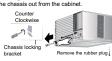


# ELECTRIC WORK

- ELECTRIC WORK
   Always use at the rated voltage and with a specific air conditioning circuit.
   Always use at the rated voltage and with a specific air conditioning circuit.
   This equipment must be earthed and strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD). Otherwise, it may cause electric shock or fire in case of malfunction.
   A 16 Ampere time delay fuse or circuit breaker is required.
   Nominal cross sectional area of power supply wire must be 3 core x 1.5 mm² or above.
   The power supply must be from an independent circuit.
   All electrical installations must be made in accordance with local wiring and safety regulation wherever applicable.
   There must be a double pole switch with a minimum of 3.5 mm contact gap in the fixed installation circuit.
   Please engage and authorized dealer or specialist for the installation work.

  CONDENSED WATER DRAINAGE

SU series
This is a "NVERTER COOLING" model, The design of spraying condensate water on the condenser achieve the best cooling effect. This method is called "throwing system", if the sound of spraying makes you annoyed, you can use the following methods for outdoor drainage, but the performance will be sightly reduced. Remove the rubber plug from the base pan and chassis locking bracket from the cabinet. Then slides the chassis out from the cabinet.









Underside view with drain pan and hole in place.

NOTE: Drain hose or tubing can be purchased locally to satisfy your particular needs. 4 Slide the chassis back into the cabinet. Lock the chassis to the cabinet reusing the chassis locking bracket



The batteries can be used for approximately one year.

Be sure to replace the batteries with two new identical batteries.

Remove the batteries if the air conditioner will not be used for an extended period of time.

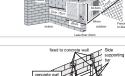


















### NOISE CONSIDERATION

- Select an installation location that can support the weight of the air conditioner and one that will not cause increased operating noise and vibration.
- Ensure that when installed, airflow and noise from the rear side of the unit (outdoor) do not disturb neighbouring elements.
- Obstacles placed in front of the air outlet on the rear side of the unit (outdoor), or covers placed over it will cause excessive noise and (outdoor), or covers placed o deterioration in performance.



### TRANSFERRING

Repositioning or transfer of the air conditioner due to renovation or moving requires an additional service charge. Please consult your dealer before moving.

# 5 AIR CONDITIONER OPERATION

### OPERATING THE UNIT



Start operation by pressing OPERATION.
The operation will turn on and the display panel will light up.
To stop the operation, press the OPERATION again. The unit will stop operating and the display panel light will turn off.

### SETTING DISPLAY TEMPERATURE



Press TEMP/TIMER ▲ or ▼ to set the display temperature. The temperature can be set between 16°C and 30°C. Recommended temperature: 26°C~28°C NOTES:

•The latest set temperature will be stored and displayed when the air-con is ON.

### SELECTING OPERATION MODE



Press MODE to select the desired operation. (The indicator will light up and a "beep" sound will indicate changing setting)

Press MUDIC to select and social specific production of the indicator will light up and a "beep" sound will indicate changing setting)
AUTO mode
Air conditioners are automatically operated according to indoor and outdoor temperatures.
COOL mode
To set room temperature to your preference of cooling comfort.
DRY mode
DRY mode unit operates at low fan speed to give a gentle cooling operation.

### SELECTING FAN SPEED



Press FAN SPEED selection button to choose fan speed level of the fan. (The indicator will light up and a "beep" sound will indicate changing setting)

If air conditioner automatically selects COOL or DRY mode and the fan speed is at AUTO speed, it will operate the "Self-cleaning" function to clear the dust on Heat exchanger, (Defer air flow for 40 seconds or intermitte

### ADJUSTING HORIZONTAL AIRFLOW DIRECTION



Press AIR SWING button to select air swing direction angle. (The indicator will light up and a "beep" sound will indicate changing setting)

Press the upper button to adjust left and right airflow direction. Press the lower button to stop AIR SWING.

# POWERFUL OPERATION



To reduce the temperature quickly under cool mode:

Press POWERFUL button, after powerful is selected, the operation will go on for 4 hours, after that it will shift back to previous operation mode.

If you want to cancel this operation, press powerful button once more

# SETTING THE OFF TIMER



When the air conditioner is ON:
Press the TIMER-OFF button to set the timer.
Press the same button until the preferred hour of operation is reached.
(The TIMER indicator light will blink to await for setting)
Press TIMER SET button to complete the setting. At this time, the TIMER indicator light is steady instead of shillships

instead of blinking

NOTE:

it is unavailable to set ON TIMER and OFF TIMER simultaneously. The timer figure will change according to the time remaining.

# QUIET OPERATION



In order to make the air conditioner quieter:
Press QUIET button.
If you want to cancel this operation, press QUIET button once more

# SETTING THE ON TIMER



When the air conditioner is OFF:

Press the TIMER-ON button to set the timer.

Press the same button until the preferred hour before operation is reached.

(The TIMER indicator light will blink to await for setting)

Press TIMER SET button to complete the setting. At this time, the TIMER indicator light is steady

NOTE: it is unavailable to set ON TIMER and OFF TIMER simultaneously. The timer figure will change according to the time remaining.

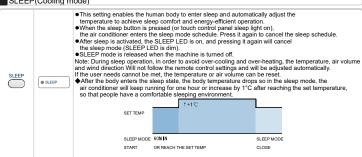
# CANCEL OFF TIMER SETTING





Press the CANCEL button to cancel the timer setting. The TIMER indicator light will turn off However the temperature remains displayed.

### SLEEP(Cooling mode)



## 6 HELPFUL INFORMATION & ENERGY SAVING HINTS

### HELPFUL INFORMATION

- Operation will automatically resume under the previous operation mode.
- . If the unit was set to TIMER mode or SLEEP mode, operation will not resume automatically.
- When power failure occurs, the timer setting is cancelled. Once power returns, reset timer.

### ENERGY SAVING HINTS

- Clean the air filter every 2 weeks. Regular cleaning of the air filter preserves efficiency.
- Keeping ventilation set to close keeps cool air in and hot air out.
   Avoid direct sunlight and heat.
- For health reason do not overcool your room.
- Your air conditioner's cooling capacity should match your room size.

# 7 CARE AND MAINTENANCE



Always turn off the air conditioner and the main power supply before cleaning

ine unit.

Switch off the power supply if the unit is not going to be used for a long period of time.



Clean the cabinet, front grille with mild soap or detergent and lukewarm wate

- The front intake grille can be easily removed for cleaning purposes (refer to Remove the front intake grille procedures). Gently wash it with water and a sponge.

  The filter can be easily cleaned using a vacuum cleaner. Vacuum the front of the filter and then wash the
- rear with water. If it is badly spoiled, wash with a mild household detergent.
- Do not clean with benzene, thinner, scouring powder or cloth soaked in caustic chemicals
- If the unit is extremely dirty, heat transfer is less efficient and the unit may not cool effectively. Contact Shun Hing Electric Service Centre Ltd. for an annual check. (Annual check is not covered by the warranty.)
- If the air filter becomes clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

NOTE: Do not dry the front panel or the air filter in direct sunlight.

(Exposure to direct sunlight may discolour deform the panel.)

PRE-SEASON INSPECTION

In the discharged air cold?

After 15 minutes of operation, it is normal for the temperature difference between intake and outlet air to be more than 8°C for cooling.

Are the air intake and outlet vanes of the indoor and outdoor side obstructed?

Are the remote control batteries weak?

The temperature difference between the blower outlet and the suction temperature under the normal state of the machine: cooling 8°C or above, is a normal phenomenon.

RECOMMENDED INSPECTION

Usage over several seasons will reduce performance as the unit becomes dirty. A dirty unit may produce foul odours and dust may clog the dehumidifying drainage. Seasonal inspection is recommended in addition to regular cleaning. Consult Shun Hing Electric Service Centre Ltd.,

# BEFORE CALLING FOR SERVICE



Check the following points before calling for repairs or service. If the malfunction persists, please contact Shun Hing Electric Service Centre Ltd.,

Condition 1 If the unit is too noisy during operation.
The following sounds are normal during operation:

- · A low humming sound indicating that the unit is operating . A soft clicking sound when the compressor turns on and off.

- A sort circking sound when the compressor turns on and or.
   A flowing sound due to circulation of the refrigerant when the compressor is turned on.
   A splashing sound indicating condensation in the condenser coil. If you hear other noises, please consult Shun Hing Electric Service Centre Ltd.,

Condition 2 If the unit does not operate.

- The main power cord is not plugged in.
  The main circuit breaker has tripped.
  Remote control batteries are weak.

Condition 3 If the unit does not cool properly.

- The room is too big for the unit's capacity.
- The ventilation lever is set to OPEN
  The air circulation is impeded by curtains or furniture.
  After 15 minutes of operation, it is normal for the temperature difference between intake and outlet air to be more than 8°C for cooling.

Information for Users on Collection and Disposal of Old Equipment and used Batteries
Information on Disposal in other Countries outside the European Union
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Information on Disposal in other Countries outside the European Union
Information on Disposal Union
Information of Union

# NOTE:

The enclosure opposing the room side is splash proof (IPX4)
 Do not install this appliance in a laundry room or other

Do not instail this appliance in a laurnary room or other locations where water may drip from the ceiling, etc.
 If the supply cord is damaged or need to be replaced, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

Condition 4 If water drips off the rear of the unit. Humidity is high.

- Condensed water is overflowing.
   To rectify the problem, mount an optional drain pan to the unit. Condition 5 If water drips inside the room.
- . The unit is tilted inward. To rectify this, tilt the unit
- Mount the optional drain pan if you prefer.
  The drain pan may be blocked.
- Condition 6
- Squeaking noise during operation,
   Queaking noise after shutting down
   (This is due to the expansion or contraction of the model due to temperature changes)



To call Shun Hing Electric Service Centre Ltd. IMMEDIATELY Turn off the power and contact Shun Hing Electric Service Centre Ltd. as soon as any of the following events occur.

. The circuit breaker frequently trips or the fuse blows

regularly.

If water or foreign objects have accidentally entered the air conditioner.

• If there is abnormal sound during operation.