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This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), and the Electromagnetic Compatibility Directive (2004/108/EC) of the European Union.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(When using this air conditioner in European countries, the following guidance must be followed)

- This marking shown on the product or its literature, indicates that waste electrical and electrical equipment (WEEE as in directive 2002/96/EC) should not be mixed with general household waste. It is prohibited to dispose of this appliance in domestic household waste.

For disposal, there are several possibilities:
1. The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.
2. When buying a new product, the retailer will take back the old product at least free of charge.
3. The manufacture will take back the old appliance for disposal at least free of charge to the user.
4. As old products contain valuable resources, they can be sold to scrap metal dealers.

Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.

<table>
<thead>
<tr>
<th>Indoor Unit</th>
<th>Outdoor Unit</th>
<th>Rated Voltage &amp; Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>42QTD009DS*</td>
<td>38QUS009DS*</td>
<td>220-240V~ 50/60Hz</td>
</tr>
<tr>
<td>42QTD012DS*</td>
<td>38QUS012DS*</td>
<td></td>
</tr>
<tr>
<td>42QTD018DS*</td>
<td>38QUS018DS*</td>
<td></td>
</tr>
<tr>
<td>42QTD024DS*</td>
<td>38QUS024DS*</td>
<td></td>
</tr>
<tr>
<td>42QTD030DS*</td>
<td>38QUS030DS*</td>
<td></td>
</tr>
<tr>
<td>42QTD036DS*</td>
<td>38QUS036DS*</td>
<td></td>
</tr>
<tr>
<td>42QTD048DS*</td>
<td>38QUS048DS*</td>
<td></td>
</tr>
<tr>
<td>42QTD048DS*</td>
<td>38QUS048DT*</td>
<td>IDU:220-240V~ 50/60Hz</td>
</tr>
<tr>
<td>42QTD060DS*</td>
<td>38QUS060DT*</td>
<td>ODU:380-415V 3N~ 50/60Hz</td>
</tr>
</tbody>
</table>

The manufacturer reserves the right to change any product specifications without notice.
1. READ BEFORE OPERATING

1.1 SAFETY PRECAUTIONS

- Read this manual before using the product!
- 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.

**WARNING**

This symbol indicates the possibility of personnel injury or loss of life.

- The task of installing this product must only be performed by suitably qualified and experienced persons.
- ELECTRICAL work may only be performed by authorized personnel and in accordance with national wiring standard. 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.
- Do not use extension cord or share the same power outlet with other appliances.
- Do not attempt to maintain, repair, move or modify your air conditioner. Seek professional help - contact an authorized dealer.
  
  Incomplete repair or maintenance may result in water leakage, electric shock or fire.
- Turn off the unit if unusual smells, sounds or vibrations are noticed. Contact authorized dealer.
- Do not use flammable gas or combustibles such as gasoline, benzene, thinner, etc. in the conditioned space.
  
  This may result in a fire.
- Do not use a heating appliance in the conditioned space.
  
  Insufficient ventilation may cause accidents due to oxygen deficiency.
- Operating with wet hands may result in electrical shock.
- Prolonged exposure to drafts may lead to muscular discomfort and dry eyes.
  
  This could affect your physical condition and cause health problems.
- Do not touch the air outlet or louver while unit is in operation.
  
  It may cause injury.
- Do not operate the unit in a wet room such as bathroom or laundry room.
  
  This may result in electric shock.
- Do not inset hands or fingers or other objects into the air inlet or outlet at any time.
  
  This may cause injury, as the internal fan rotates at high speed.
- Do not place any object especially things containing water, like vases, on the unit.
  
  This may cause electric shock.
- Store the remote control out of reach of infants.
  
  Failure to observe this may result in the batteries being swallowed or other accidents.
- This appliance is only intended for use in household environment.
  
  Appliance for household environment is appliance for typical housekeeping functions used in the household environment that may also be used by non expert users, such as shops, offices and other similar working environment, farm houses, hotels, motels and other residential type environment.
**CAUTION**

This symbol indicates the possibility of property damage or serious consequences.

- This product is intended for human comfort ONLY.
- Do not block air inlets or outlets. Poor performance, increased running costs and reduce product life will result.
- Do not control the system with main power switch. It can cause fire or water leakage.
- Do not touch the fins on the heat exchanger. Metal parts may have sharp edges that cause injury.
- Disconnect the unit when unused for long periods.
- Disconnect BEFORE cleaning or servicing.
- Never use strong detergents, solvents or abrasive polish on the product.
- Regular high level maintenance of the indoor and outdoor units is essential. Specialist MAINTENANCE is required to do deep-clean, lubricate and function check of all critical components. Contact a qualified service personnel.

1.2 PART NAMES

**INDOOR UNIT**

1. Louver
2. Drain pump
3. Drain pipe
4. Air outlet
5. Air filter (inside the grille)
6. Air inlet
7. Air inlet grille
8. Display
9. Remote controller*

**OUTDOOR UNIT**

10. Connecting pipe
11. Air inlet
12. Air outlet

[*] Remote controller or wired controller: model dependent.
1. READ BEFORE OPERATING

DISPLAY
Function indicators on indoor unit display panel

**9K~18K**

- **Operation lamp**: Illuminate during operation
- **Infrared signal receiver**: Receive the signal from remote controller
- **Timer lamp**: Illuminate during TIMER operation
- **Manual button**: This switch is used for after-sales service purpose only; the user should not push it.
- **DEF./FAN lamp**: Illuminate during DEFROST operation
- **Alarm lamp**: Flash when unit in failure status

**24K~60K**

- **Operation lamp**: Illuminate during operation
- **Manual button**: This switch is used for after-sales service purpose only; the user should not push it.
- **Timer lamp**: Illuminate during TIMER operation
- **Temperature indicator**: Indicate the room temperature
- **DEF./FAN lamp**: Illuminate during DEFROST operation
- **Infrared signal receiver**: Receive the signal from remote controller
- **Alarm lamp**: Flash when unit in failure status

**NOTE**
- All the pictures in this manual are for explanation purpose only. They may be slightly different from the air conditioner you purchased (Model dependent). The actual shape shall prevail.
- A guide on using the remote controller (or wired controller) is included in this literature packaged.

2. OPERATION

2.1 OPERATING CONDITIONS

<table>
<thead>
<tr>
<th>Operating Conditions</th>
<th>Indoor</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling Operation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper limit</td>
<td>32°C DB</td>
<td>46°C DB</td>
</tr>
<tr>
<td>Lower limit</td>
<td>18°C DB</td>
<td>-10°C DB</td>
</tr>
<tr>
<td><strong>Heating Operation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper limit</td>
<td>27°C DB</td>
<td>24°C DB</td>
</tr>
<tr>
<td>Lower limit</td>
<td>0°C DB</td>
<td>-15°C DB</td>
</tr>
</tbody>
</table>

**Note:** DB - Dry Bulb

- Optimum performance will be achieved within these operating temperatures.
- When the unit operates above or below these conditions for a long time, system diagnostics may detect a malfunction and the unit will not operate properly.
- Room relative humidity - less than 80%. If the air conditioner operates outside this range, the surface of the air conditioner may attract condensation.
2. OPERATION

2.2 HOW IT WORKS

Basic Operation Modes: AUTO / COOL / DRY / HEAT / FAN

AUTO Mode
- In this setting the system will automatically change modes and fan speed to the set temperature.
- [In spring and autumn, closer temperature control may require COOL/HEAT mode changes.]

DRY Mode
- In this mode, priority is given to dehumidifying the air. Low fan speed and compressor cycling is used to achieve this and regulate room temperature.

Compressor Delay
- At start-up, a time delay of 3 to 4 minutes protects the compressor.

Cold Draft Prevention
- To avoid uncomfortable drafts in heating mode, the indoor unit is preheated before the fan starts. This delay should only last a few minutes.

Auto Defrost
- Ice develops on the outdoor unit in heating mode. To defrost this ice, the indoor fan stops for a few minutes before heating continues.

Auto Restart*
- The unit will automatically restart after a power interruption. Previous user settings are all recovered.

Auto Leak Detection*
- When refrigerant leakage is detected, the unit will display “EC” code or flash LEDs.

Louver Memory*
- Louver angle is memorised and will return to the position last selected by the user.

Adjusting Air Flow Direction
- Press “AIR DIRECTION” on remote controller to adjust air flow direction. The louver position moves slightly each time the button is pressed.
- Press “SWING” to engage continuous louver motion.

NOTE
- Please refer to the REMOTE CONTROLLER MANUAL for details.
- In cooling or dry mode, condensate may form and drip from unit in high humidity condition if louver position is in Maximum down.
- Do not operate the unit with louver closed or narrow opening. Restricted air flow reduced performance and may cause condensate.

[Model dependent]

2.3 HINTS FOR ECONOMICAL OPERATION

- Adjust the temperature to achieve moderate comfort levels. Excessively low or high temperatures waste energy.
- Improve performance by keeping windows and doors closed.
- Limit energy usage [run time] by using the TIMER function.
- Do not block air inlets or outlets. Poor performance, increased running costs and reduced product life will result.
- Inspect the air filters periodically, and clean them when needed.
- Disconnect the power source if unit will not be used for a long period.
3. CARE AND MAINTENANCE

**CAUTION**
- DISCONNECT from power source BEFORE attempting to clean or service!
- Use a soft damp cloth when cleaning the grille, casing and remote control.
- Always contact a qualified service personnel to carry out repair or any non-user serviceable maintenance, such as deep-cleaning, lubricate and function check of critical component.

**Cleaning the air filter**

Please contact the qualified service personnel to carry out servicing which involve the removal of covers. To maintain the good performance, regularly inspect air filters and clean them if required.

- Push the two grille switches simultaneously to open the grille.

- Disconnect the connecting wire between control box and display broad. Then remove the grille and take out the filter.

- Clean the air filter
Vacuum cleaner or pure water may be used to clean the air filter. If the dust accumulation is too heavy, please use soft brush and mild detergent to clean it and dry out in cool place. Re-install the air filter and air inlet grille in reverse order described above.

**Storage Preparation [long idle periods]**

1. Clean the air filters
2. In humid or damp climates, operate in Fan only mode until the unit has dried out.
3. Turn the air conditioner off with the remote and remove the batteries.
4. Disconnect from the power source.

**Re-use After Storge**

1. Check if anything block the air inlet and outlet.
2. Clean the air filters
3. Check the wires if any damaged or proper grounded.
4. Reconnect to the power source
5. Wait 24 hours when the ambient temperature is low.
6. Reinstall the batteries into the remote controller and turn the unit on.
4. TROUBLE SHOOTING

Please carry out the following check before making a service call.

<table>
<thead>
<tr>
<th>CONCERN</th>
<th>PLEASE FIRST CHECK!</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit does not work at all</td>
<td>• Is there a power failure?</td>
</tr>
<tr>
<td></td>
<td>• Has a switch been turned off, a circuit breaker tripped or a fuse blown?</td>
</tr>
<tr>
<td></td>
<td>• Are the batteries in the remote control fresh?</td>
</tr>
<tr>
<td></td>
<td>• Are the clock and timer on the remote set correctly?</td>
</tr>
<tr>
<td>Poor cooling or heating</td>
<td>• Are the temperature and mode settings correct?</td>
</tr>
<tr>
<td></td>
<td>• Are the air filters clean?</td>
</tr>
<tr>
<td></td>
<td>• Are the windows and doors closed?</td>
</tr>
<tr>
<td></td>
<td>• Is air flow unrestricted in &amp; out of indoor &amp; outdoor units?</td>
</tr>
<tr>
<td></td>
<td>• Is fan speed on high and louvers allowing maximum flow?</td>
</tr>
</tbody>
</table>

Guides, Tips and Cautions
The following may occur during normal operation, and may not indicate malfunction.

<table>
<thead>
<tr>
<th>Case</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling or heating is delayed.</td>
<td>A 3 minute delay protects the compressor.</td>
</tr>
<tr>
<td>Fan speed changes – off, very slow and then normal</td>
<td>Automatically happens in heating mode - prevents cold air blowing onto occupants.</td>
</tr>
<tr>
<td>The heating operation stops suddenly and defrost-light blinks.</td>
<td>Frost removal on outdoor unit is in progress (5 – 10mins).</td>
</tr>
<tr>
<td>Mist coming out of the indoor unit</td>
<td>May occur when unit temperature is low and room air is hot and humid.</td>
</tr>
<tr>
<td>Low volume sounds are emitted by the air conditioner</td>
<td>“Hissing”: normal – gas pressure equalizing when compressor stops or starts.</td>
</tr>
<tr>
<td>Dust discharges from the unit</td>
<td>“Squeaking”: normal expansion and contraction of plastic and metal parts.</td>
</tr>
<tr>
<td>Dust discharges from the unit</td>
<td>Rushing air – normal when louver resets its position.</td>
</tr>
<tr>
<td>Emits a peculiar odour.</td>
<td>May occur when air conditioner is used for the first time or has not been used for a long time.</td>
</tr>
<tr>
<td>Changes to fan only while cooling or heating.</td>
<td>Usually caused by chemicals, cigarette smoke, cooking etc. If not the case call your suitable contractor.</td>
</tr>
<tr>
<td>Poor heating performance</td>
<td>Room temperature is the same as that selected with the remote. If not the case call a suitable contractor.</td>
</tr>
<tr>
<td>Turns on automatically</td>
<td>May occur when outdoor temperatures are close to or below zero degrees Celsius.</td>
</tr>
<tr>
<td>Operation is erratic, unpredictable or unresponsive.</td>
<td>Normal when power is restored after a power failure.</td>
</tr>
<tr>
<td></td>
<td>Interference from cell phone towers and remote boosters may cause the unit to malfunction.</td>
</tr>
<tr>
<td></td>
<td>Disconnect the power and then re-connect.</td>
</tr>
<tr>
<td></td>
<td>Press the ON/OFF button on the remote controller to restart operation.</td>
</tr>
<tr>
<td></td>
<td>If the problem is not resolved call a suitable contractor.</td>
</tr>
</tbody>
</table>
4. TROUBLE SHOOTING

- Contact your dealer
  In the case of ANY of the following, turn off the unit immediately!

- Power cord is damaged or abnormally warm.
- Burning odours are smelled.
- Loud or abnormal sounds are heard.
- A power fuse blows or a circuit breaker trips frequently.
- Water or other objects fall into or out of the unit.
- Indicators blink continuously.
- A self-diagnostic code is displayed e.g. E0, E1, E2 … or P0, P1, P2… etc.

**CAUTION**

DO NOT ATTEMPT TO CORRECT THESE ITEMS YOURSELF!
CONTACT A QUALIFIED SERVICE PERSONNEL!

**CAUTION**

- The multi-system air conditioner can not be in different operating modes at the same time, such as one unit being in the “COOL” mode and one unit being in the “HEAT” mode. When conducting different operations, the “HEAT” mode will be given priority. The indoor unit which operates in “COOL” or “FAN” mode will stop and display “P5”.

- Record the product’s model number,
- Contact a authorized dealer,
- Share all observed details!

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