

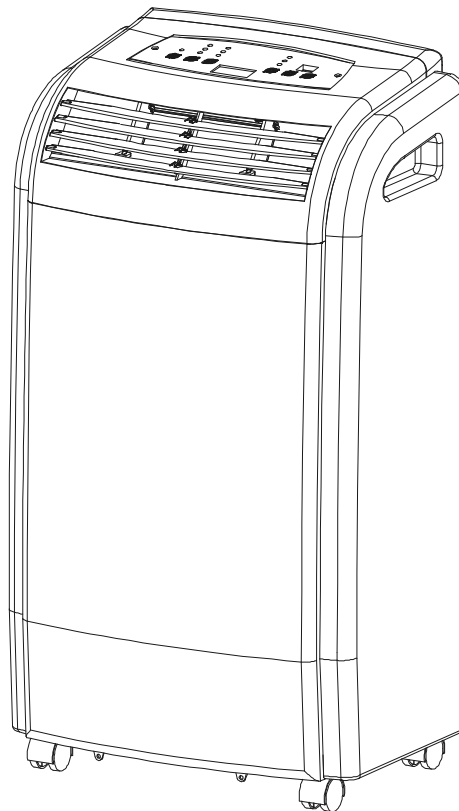
HAIER AMERICA

# SERVICE MANUAL

## AIR CONDITIONER

HPR10XC6

Part Number : AC-8888-148



|  |      |
|--|------|
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This manual is for the use of technical personnel entrusted with maintenance.

Widetech reserves the right to change this dehumidifier's casing, circuit and parts without notice.

**115V / 60Hz**

Date : 2006/06/15

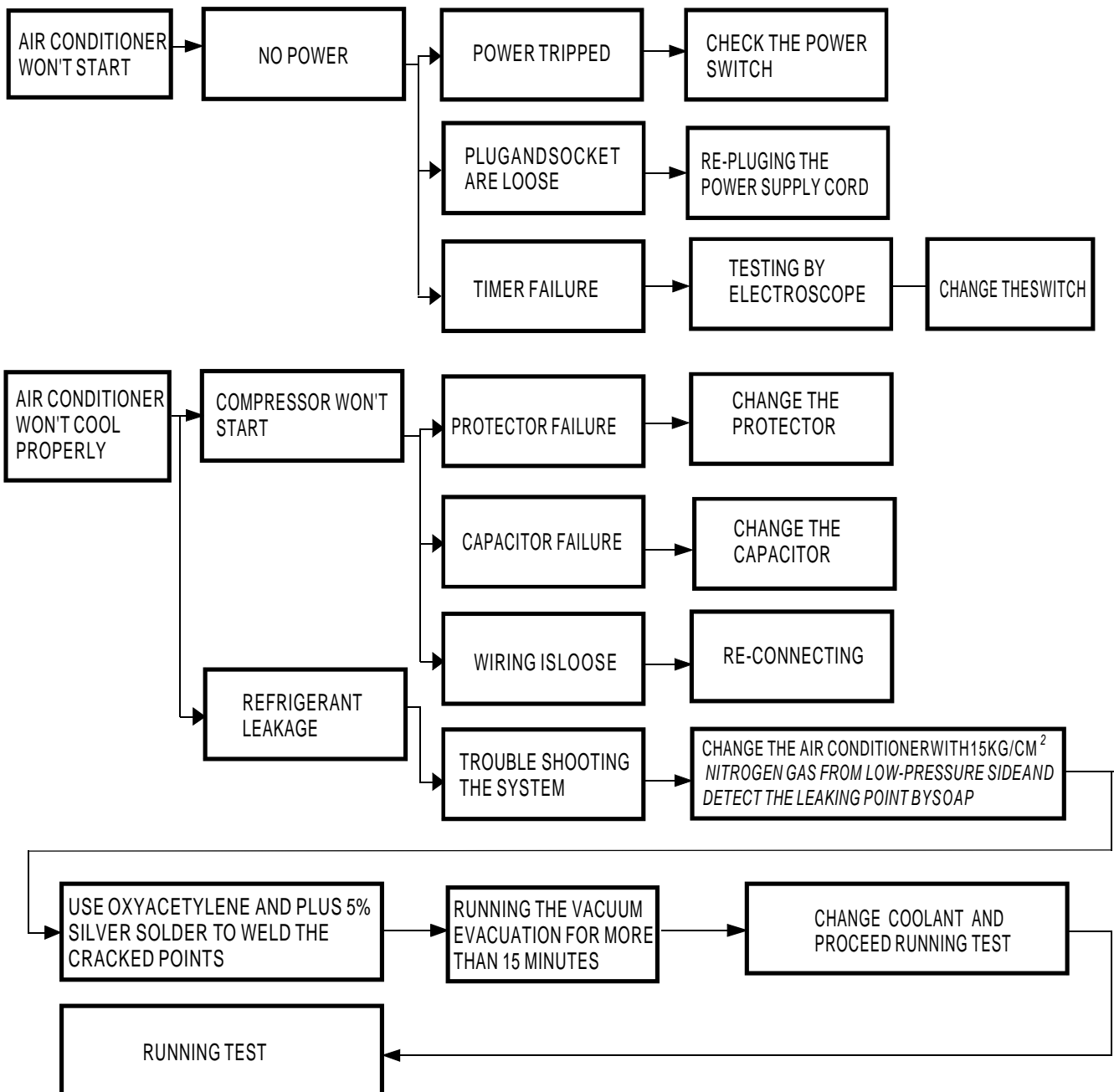
Version : 1.0

# IMPORTANT POINTS ON SERVICE OPERATING SAFETY

Please follow these instructions carefully:

- Unplug the unit to avoid any danger from electric shock before disassembling the unit for repair.
- If there is any sound of the refrigerant circulating when in operation, avoid touching the cooling coils.
- If you need to perform any welding or soldering, be sure you are in a well ventilated area.
- Only a qualified professional should perform any welding on the unit.
- When repairing the unit, the specifications listed in this manual must be strictly adhered to when replacing any components.
- When replacing any electrical components they should be factory approved units.
- Be sure that any electrical components are properly wired and in place.

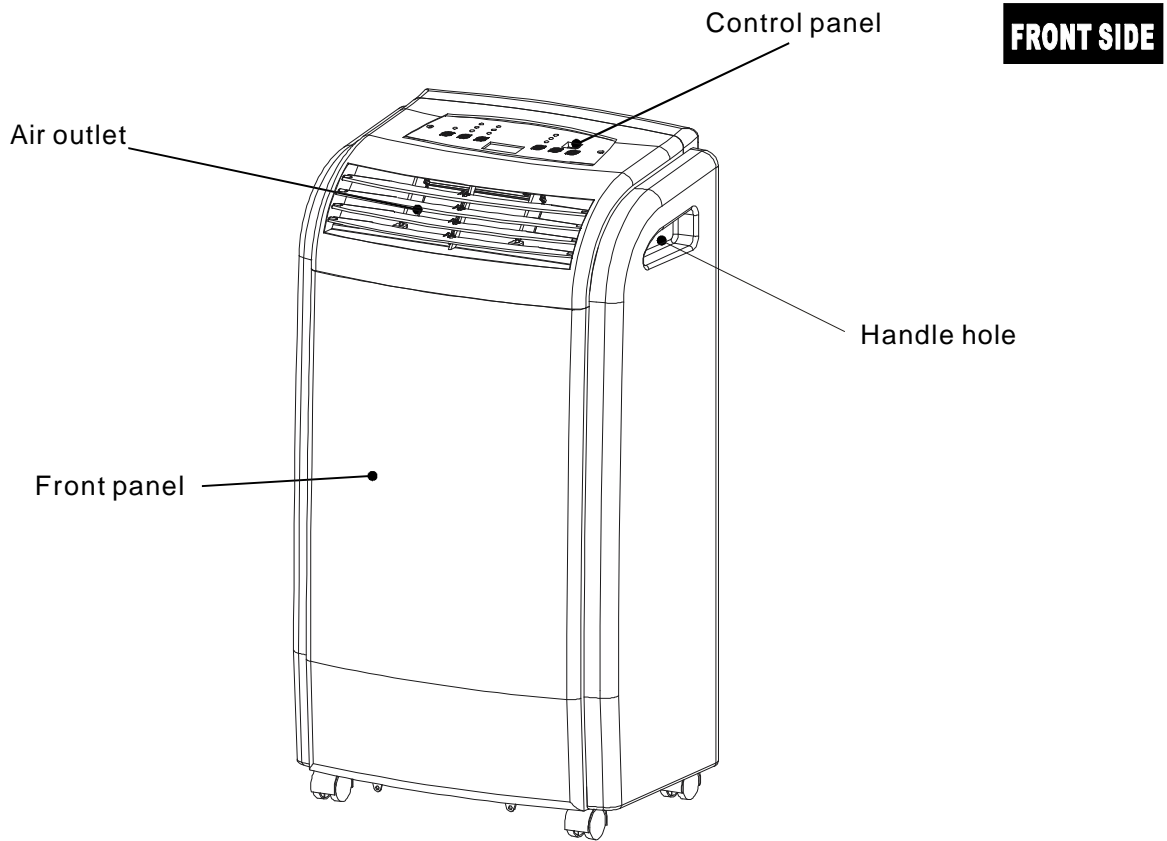
## FLOW CHART FOR INSPECTING AND REPAIRING THE UNIT



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## APPEARANCE(OUT WARD)

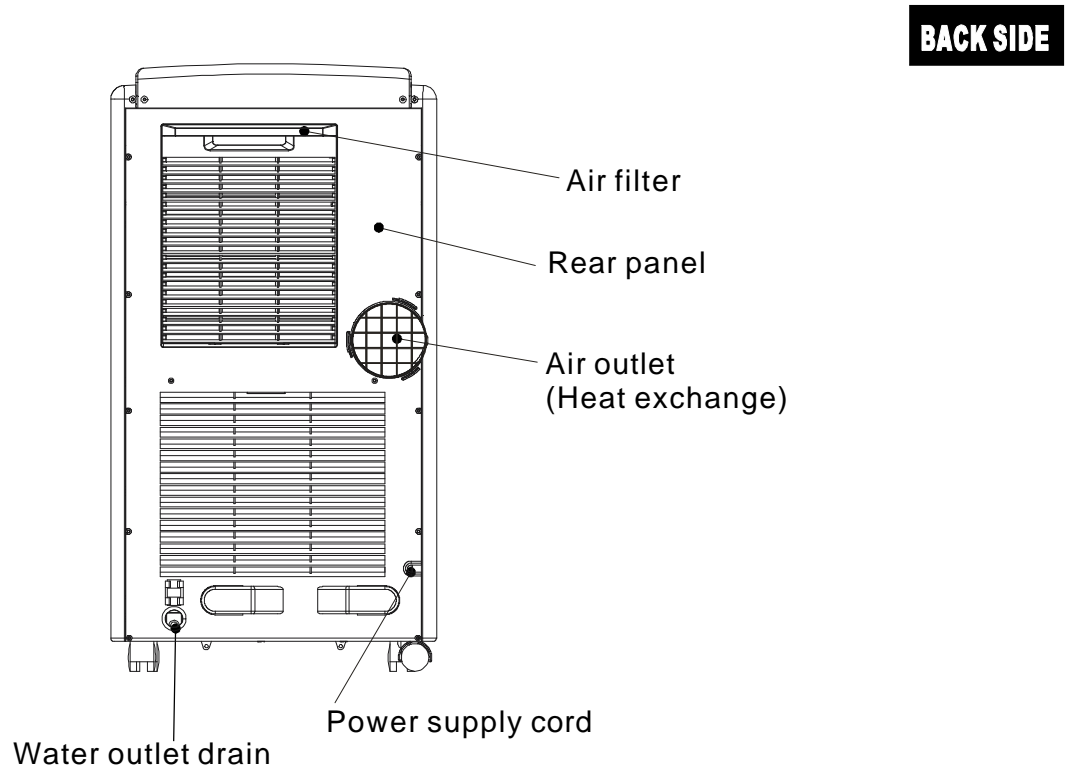
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## APPEARANCE(OUT WARD)

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## TROUBLESHOOTING

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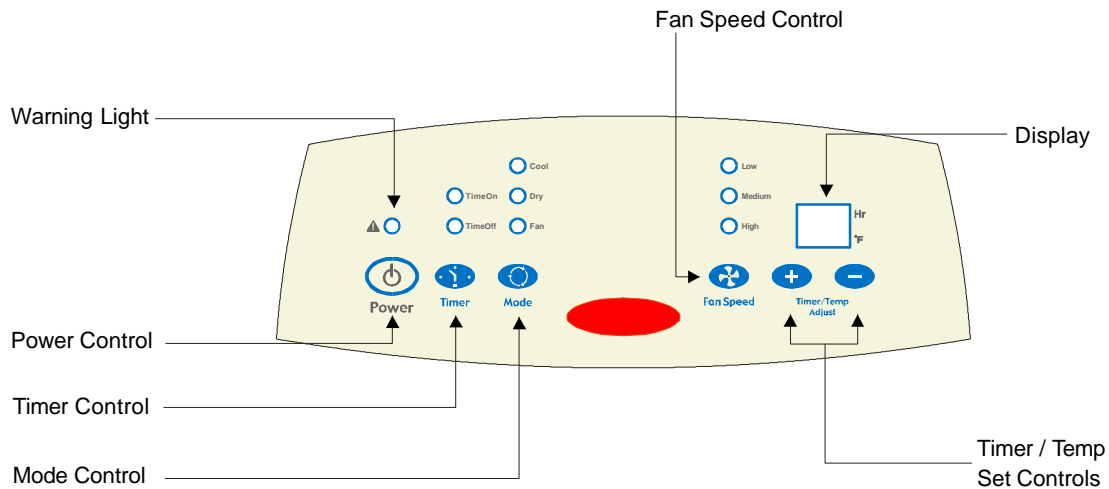
| Trouble   | Analysis   |
|---|--|
| <b>Does not run</b>                               | <p>If the protector trip or fuse is blown.<br/>Please wait for 3 minutes and start again, protector device may be preventing unit to work.</p> <p>If batteries in the remote controller exhausted.</p> <p>If the plug is not properly plugged.</p> |
| <b>Run a short while only</b>                     | <p>If the set temperature is close to room temperature, you can low the set temperature.</p> <p>Air outlet be blocked by obstacle.<br/>Take the obstacle away.</p>   |
| <b>Run but not cool</b>                           | <p>If the door or window open.</p> <p>If there is other heater appliance work, like heater or lamp, etc...</p> <p>The air filter is dirty, please clean it.</p> <p>Air outlet or intake be blocked.</p> <p>Set temperature is too high.</p>        |
| <b>Do not run and water full indicator lights</b> | <p>Drain the water into a prepared container by the drainage pipe on the rear panel of the unit.</p> <p>If still doesn't work, please consult a qualified technician.</p>  |

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# OPERATION

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## CONTROL PANEL



### Power Control

The power control turns the unit on and off.

### Fan Mode

Air is circulated throughout the room with no cooling.

**Note: unit does not need to be vented in Fan mode**

### Warning Light ▲

Condensed water may accumulate in the unit. If the internal tank becomes full, the Warning Light will shine and the unit will not operate until the unit has been drained.

### Fan Speed Control

The Fan Speed Control has 3 settings: High, Medium, and Low.

### Mode Control

The Mode Control has 3 settings:

**Cool Dehumidify Fan**

The settings are adjusted with Mode Control button. A light will indicate which setting is currently being used.

### Timer

**Auto turn off :**

With machine in running mode, press timer button to select number of hours you would like the unit to run in air conditioning mode until it automatically shuts off.

**Auto turn on :**

With machine in stand by mode, press timer button to select number of hours until you would like the unit to automatically start running in air conditioning mode.

### Cooling Mode

During the cooling mode the air is cooled and hot air is exhausted to the outside through the exhaust tube. Adjust fan speed and air temperature to suit your desired comfort level.

**Note : The air exchange hoses must vent outside the room when using cool mode.**

### Timer / Temp set controls

Used for adjusting the timer and thermostat.

The default display is room temperature.

In cooling mode, when " " or " " button is pressed, the set temperature is displayed and may be adjusted.

After 15 seconds the display will revert back to room temperature.

Temperature is only adjustable in cool mode.

The time is adjustable between 1~12 hours.

**Note :** By pressing both " " / " " set buttons at the same time, the display will toggle between Celsius and Fahrenheit.

### Dehumidify Mode

Air is dehumidified as it passes through the unit, without being in full cooling mode. If room temperature is >25 degree Celsius, fan speed can be adjusted; otherwise fan speed is fixed to " Low ".

**Note : The warm air exchange hoses must vent inside the room when using Dehumidify Mode, not outside as it does when cooling. If the unit is vented outside some cooling will occur.**

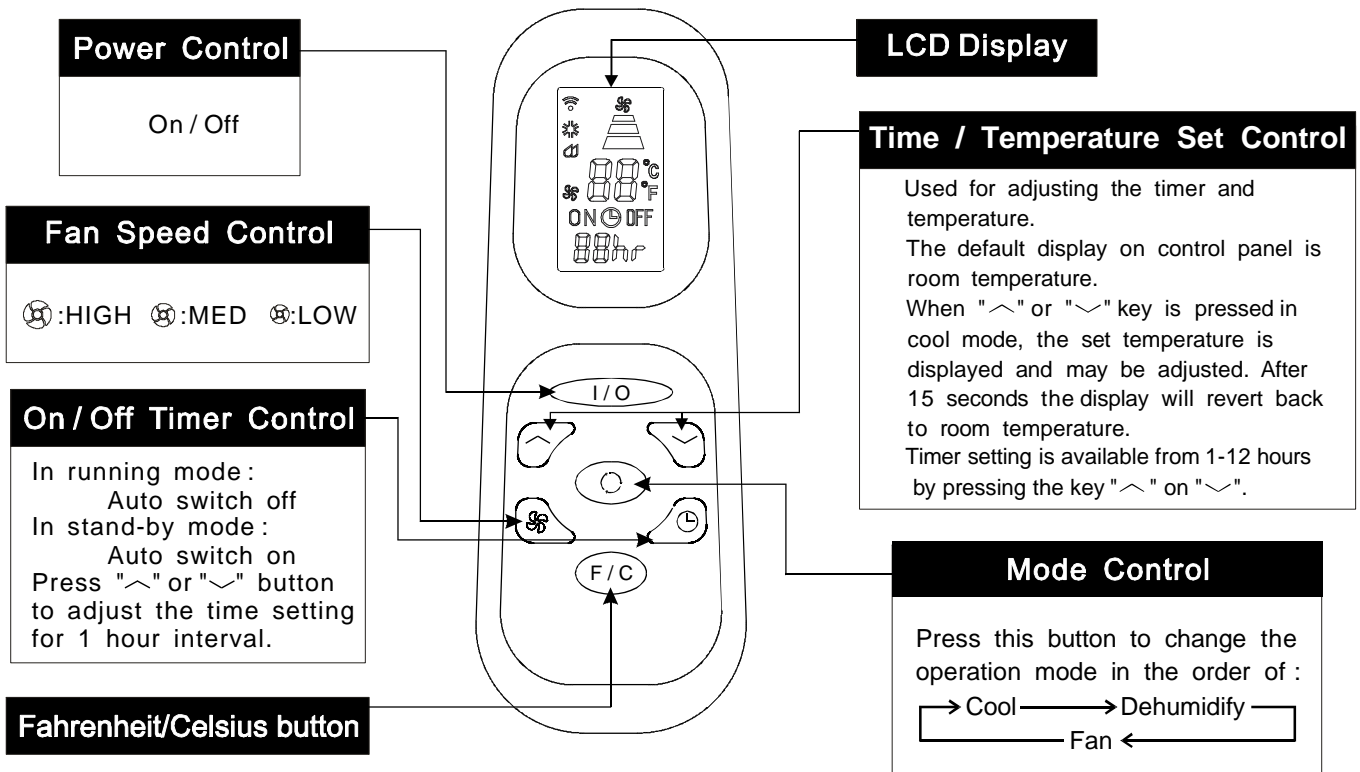
**After switching the air conditioner off, you must wait 3 minutes before switching it back on again.**

# OPERATION

## Air Conditioner Remote Control (batteries not included)

The functions work the same as your air conditioner's touch controls.  
All key function can be accessed from the remote control.

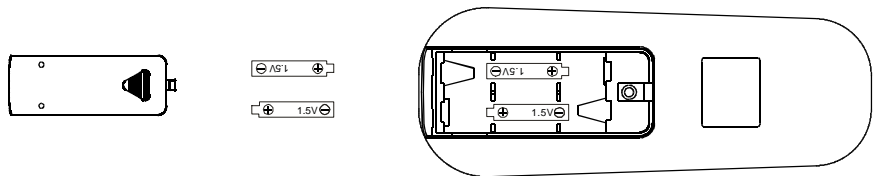
## CONTROL PANEL



**Notes**

- Do not drop the remote control.
- Do not place the remote control in a location exposed to direct sunlight.
- The remote control should be placed about 1 meter or more away from TV, or any electrical appliances.

**Battery replacement :** Remove the cover on the back of the remote control and insert the batteries with the (+) and (-) poles pointing in the proper direction.



**CAUTION** ⚠

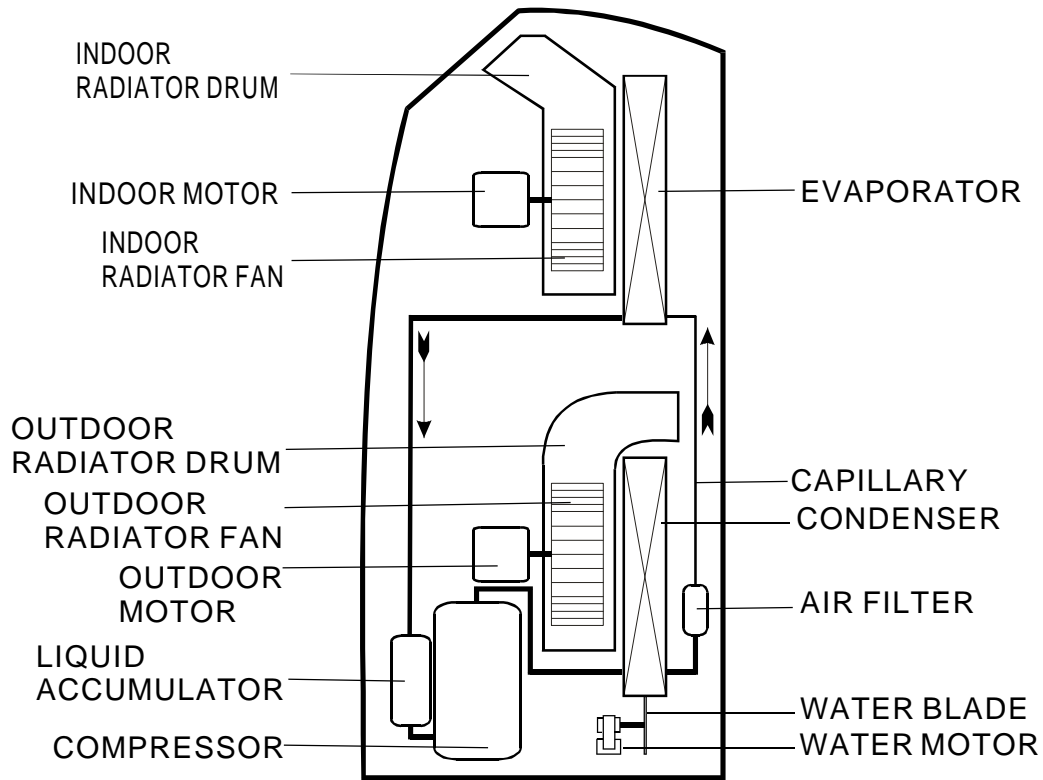
- Use only AAA or IEC R03 1.5V batteries.
- Remove the batteries if the remote control is not used for a month or longer.
- Do not attempt to recharge the supplied batteries.
- All batteries should be replaced at the same time, do not mix old battery .
- Do not dispose of the batteries in a fire as they may explode.

# TECHNICAL SPECIFICATIONS

## AIR CONDITIONER

| ITEM                   | UNIT               | HPR10XC6                   |                                       |
|------------------------|--------------------|----------------------------|---------------------------------------|
| OUTER DIMENSION        | mm                 | 470W*900H*370D             |                                       |
| REFERENTIAL USING AREA | m <sup>2</sup>     | 16 22                      |                                       |
| RATED VOLTAGE          | V/Hz               | 115 / 60                   |                                       |
| COOLING CAPACITY       | B.T.U.             | 10000                      |                                       |
| DEHUMIDIFYING CAPACITY | L/H                | 1.6                        |                                       |
| RUNNING CURRENT        | A                  | 9.0                        |                                       |
| POWER CONSUMPTION      | W                  | 950                        |                                       |
| INDOOR AIR VOLUME      | M <sup>3</sup> /hr | 380                        |                                       |
| COMPRESSOR             | MODEL              | 2R12S3R126A                |                                       |
|                        | INPUT POWER        | W                          | 740                                   |
|                        | OPERATING CYCLE    | uF/V                       | 35/250                                |
|                        | PROTECTOR          |                            | MRA98503 or MRA98706 or MRA98706-9090 |
|                        | LOCKED ROTOR AMPS  | A                          | 6.9                                   |
| INDOOR MOTOR           | MODEL              | LS-13T3-4P                 |                                       |
|                        | OUTPUT POWER       | W                          | 17                                    |
|                        | OPERATING CYCLE    | uF/V                       | 4.0/250                               |
| OUTDOOR MOTOR          | MODEL              | LS-40T1-4P                 |                                       |
|                        | OUTPUT POWER       | W                          | 33                                    |
|                        | OPERATING CYCLE    | uF/V                       | 6.0/250                               |
| TURBINE FAN MOTOR      | MODEL              | WT-15T1-01                 |                                       |
|                        | OUTPUT POWER       | W                          | 2                                     |
| CAPILLARY              | mm                 | 2.6(O.D.)*1.6(I.D.)*950(L) |                                       |
| EVAPORATOR             |                    | 3R14S17FPI                 |                                       |
| CONDENSER              |                    | 3R14S21FPI                 |                                       |
| REFRIGERANT            | R-22/g             | 460                        |                                       |
| WEIGHT                 | Kg                 | 34                         |                                       |

# REFRIGERATOR SYSTEM DIAGRAM



# SCHEMATIC WIRING DIAGRAM

