TOSHIBA

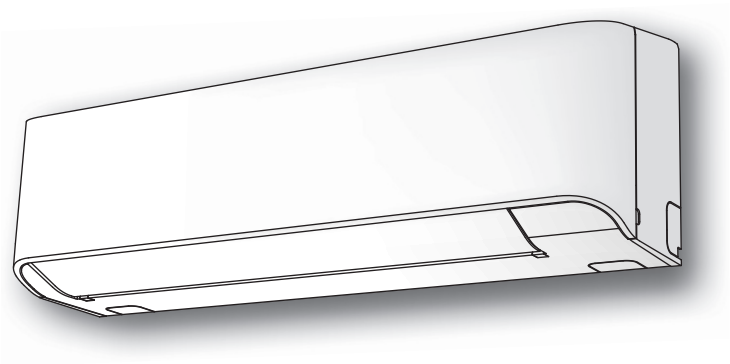
HFC
R410A

INVERTER

ENGLISH

繁體中文

OWNER'S MANUAL



AIR CONDITIONER (SPLIT TYPE)
For general public use

Indoor unit
RAS-18, 22, 24J2KV-HK

Outdoor unit
RAS-18, 22, 24J2AV-HK

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PRECAUTIONS FOR SAFETY

⚠ DANGER

- Do not install, repair, open or remove the cover. It may expose you to dangerous voltages. Ask the dealer or the specialist to do this.
- Turning off the power supply will not prevent potential electric shock.
- The appliance shall be installed in accordance with national wiring regulation.
- Means for disconnection from the supply having a contact separation of at least 3 mm in all poles must be incorporated in the fixed wiring.

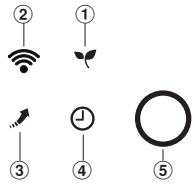
⚠ WARNING

- Do not expose your body directly to cool air for a long time.
- Do not insert your finger or any article into the air inlet/outlet.
- When an abnormality (burning smell, etc.) occurs, stop the air conditioner and disconnect the power supply or turn off the breaker.
- 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.
- This appliance is not intended for use by person (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.
- Do not use any refrigerant different from the one specified for complement or replacement. Otherwise, abnormally high pressure may be generated in the refrigeration cycle, which may result in a failure or explosion of the product or an injury to your body.

⚠ CAUTION

- Do not wash the unit with water. It may cause an electric shock.
- Do not use this air conditioner for other purposes such as preserving food, breeding animal, etc.
- Do not step or put anything on the indoor/outdoor unit. It may cause an injury or damage the unit.
- Do not touch aluminium fin because it may cause an injury.
- Before cleaning the unit, turn off the main switch or the circuit breaker.
- When the unit won't be used for a long time, turn off the main switch or the circuit breaker.
- It is recommended that maintenance be performed by a specialist when the unit has been operated for a long time.
- The manufacturer shall not assume any liability for the damage caused by not observing the description of this manual.

1 INDOOR UNIT DISPLAY



① ECO (White)
② Wi-Fi access (White) ※
③ Hi-Power (White)
④ Timer (White)
⑤ Operation (White)

- Display brightness can be adjusted, follow procedure on ⑪.

※ Require Wireless LAN connecting adapter which available as accessory.

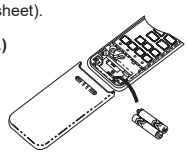
2 PREPARATION BEFORE USE

Preparing Filters

1. Open the air inlet grille and remove the air filters.
2. Attach the filters. (see detail in the accessory sheet).

Loading Batteries (when use wireless operation.)

1. Remove the slide cover.
2. Insert 2 new batteries (AAA type) following the (+) and (–) positions.

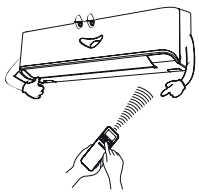


Clock Setup

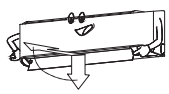
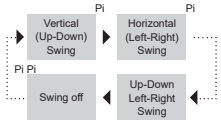
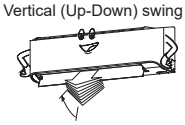
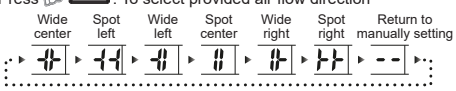
1. Push CLOCK by tip of the pencil.
   If timer indication is flashing, go to the next step 2.
2. Press ON or OFF : adjust the time.
3. Press SET : Set the time.

Remote Control Reset

Push RESET by tip of the pencil or
1. Remove the batteries.
2. Press ⏻.
3. Insert the batteries.



3 AIR FLOW DIRECTION

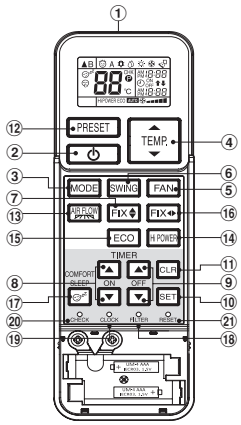
1	Press FIX : Move the louver in the desired vertical direction.	
2	Press FIX : Move the louver in the desired horizontal direction.	
3	Press SWING : For select louver swing operation. 	• Vertical (Up-Down) swing  • Horizontal (Left-Right) swing 
4	Press AIR FLOW : To select provided air flow direction  "Pi" sound when air flow direction is set and "Pi Pi" sound when air flow direction is canceled and return to manually setting.	

Note:

- Do not move the louver manually by hands or others.
- The louver may automation positioning by some operation mode.

4 REMOTE CONTROL

① Infrared signal emitter
② Start/Stop button (⏻)
③ Mode select button (MODE)
④ Temperature button (TEMP.)
⑤ Fan speed button (FAN)
⑥ Swing louver button (SWING)
⑦ Set louver Up-Down button (FIX)
⑧ On timer button (ON)
⑨ Off timer button (OFF)
⑩ Setup button (SET)
⑪ Clear button (CLR)
⑫ Memory and Preset button (PRESET)
⑬ AIR FLOW selection button (AIR FLOW)
⑭ High power button (H POWER)
⑮ Economy button (ECO)
⑯ Set louver Left-Right button (FIX)
⑰ Comfort sleep button
⑱ Filter reset button (FILTER)
⑲ Set clock button (CLOCK)
⑳ Check button (CHECK)
㉑ Reset button (RESET)



Note:

- The provided Remote Controller is a wireless type, which also can be used as a wire. Please see "How to Connect The Remote Controller for Wired Operation", located in installation instruction, in case of wired control is required.
- In wire operation, remote controller will return to initial condition (PRESET, TIMER and CLOCK will return to initial condition) when user shutdown power supply of Air conditioner.

5 AUTOMATIC OPERATION

To automatically select cooling, heating, or fan only operation

1. Press MODE : Select Auto A.
2. Press TEMP. : Set the desired temperature. Min. 17°C, Max. 30°C,
3. Press FAN : Select AUTO, LOW, LOW+, MED, MED+, HIGH or Quiet.

6 COOLING / HEATING / FAN ONLY OPERATION

1. Press MODE : Select Cool, Heat, or Fan only.
2. Press TEMP. : Set the desired temperature.
   Min. 17°C, Max. 30°C,
   Fan Only: No temperature indication
3. Press FAN : Select AUTO, LOW, LOW+, MED, MED+, HIGH or Quiet.

7 DRY OPERATION

For dehumidification, a moderate cooling performance is controlled automatically.

1. Press MODE : Select Dry.
2. Press TEMP. : Set the desired temperature. Min. 17°C, Max. 30°C.

Note: Dry mode fan speed is set to Auto only.

8 Hi-POWER OPERATION

To automatically control room temperature and airflow for faster cooling or heating operation (except in DRY and FAN ONLY mode)

Press H POWER : Start and stop the operation.

9 ECO OPERATION

To automatically control room temperature to save energy (except in DRY and FAN ONLY mode)

Press ECO : Start and stop the operation.

Note: Cooling operation; the set temperature will increase automatically 1 degree/hour for 2 hours (maximum 2 degrees increase). For heating operation the set temperature will decrease.

10 TIMER OPERATION

Set the timer when the air conditioner is operating.

	Setting the ON Timer	Setting the OFF Timer
1	Press ON : Set the desired ON timer.	Press OFF : Set the desired OFF timer.
2	Press SET : Set the timer.	Press SET : Set the timer.
3	Press CLR : Cancel the timer.	Press CLR : Cancel the timer.

Daily timer allows the user to set both the ON & OFF timers and will be activated on a daily basis.

Setting Daily Timer

1	Press ON : Set the ON timer.	3	Press SET.
2	Press OFF : Set the OFF timer.	4	Press SET button during the (⬆ or ⬇) mark flashing.

- During daily timer is activating, both arrows (⬆ , ⬇) are indicated.

Note:

- Keep the remote control in accessible transmission to the indoor unit; otherwise, the time lag of up to 15 minutes will occur.
- The setting will be saved for the next same operation.

11 DISPLAY LAMP BRIGHTNESS ADJUSTMENT

To decrease the display lamp brightness or turn it off.

1. Press and hold FAN for 3 seconds until brightness level (d0, d1, d2 or d3) is shown on remote control LCD then release the button.
2. Press TEMP. (Rise) or TEMP. (Decrease) to adjust brightness in 4 levels.

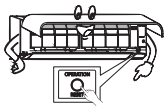
Remote control LCD	Operation display	Brightness
d3	Lamp illuminates full brightness.	100%
d2	Lamp illuminates 50% brightness.	50%
d1	Lamp illuminates 50% brightness and the operation lamp is turned off.	50%
d0	All lamps are turned off.	All turned off

- In the examples of d1 and d0, the lamp illuminates for 5 seconds before going off.

12 TEMPORARY OPERATION

In case of the misplaced or discharged remote control

- Pressing the RESET button, the unit can start or stop without using the remote control.
- Operation mode is set on AUTOMATIC operation, preset temperature is 24°C and fan operation is automatic speed.



13 PRESET OPERATION

Set your preferred operation for future use. The setting will be memorized by the unit for future operation (except airflow direction).

1. Select your preferred operation.
2. Press and hold PRESET for 3 seconds to memorize the setting. The Ⓟ mark displays.
3. Press PRESET : Operate the preset operation.

14 AUTO RESTART OPERATION

To automatically restart the air conditioner after the power failure (Power of the unit must be on.)

Setting

1. Press and hold the RESET button on the indoor unit for 3 seconds to set the operation. (“Pi Pi Pi” sound and OPERATION lamp blink 5 times/sec for 5 seconds)
2. Press and hold the RESET button on the indoor unit for 3 seconds to cancel the operation. (“Pi Pi Pi” sound but OPERATION lamp does not blink)
   - In case of ON timer or OFF timer are set, AUTO RESTART OPERATION does not activate

15 COMFORT SLEEP OPERATION

For comfortable sleep, automatically control air flow and automatically turn OFF.

Press COMFORT SLEEP : Select 1, 3, 5 or 9 hrs for OFF timer operation.

Note: The cooling operation, the set temperature will increase automatically 1 degree/hour for 2 hours (maximum 2 degrees increase). For heating operation, the set temperature will decrease.

16 SELF CLEANING OPERATION (COOL AND DRY OPERATION ONLY)

To protect bad smell caused by the humidity in the indoor unit.

1. If the ⏻ button is pressed once during “Cool” or “Dry” mode, the fan will continue to run for other 30 minutes, then it will turn off automatically. This will reduce the moisture in the indoor unit.
2. To stop the unit immediately, press the ⏻ more 2 times within 30 seconds.

17 MAINTENANCE

⚠ Firstly, turn off the circuit breaker.

Indoor Unit and Remote Control

- Clean the indoor unit and the remote control with a wet cloth when needed.
- No benzine, thinner, polishing powder or chemically-treated duster.

Air filters

Clean every 2 weeks.

1. Open the air inlet grille.
2. Remove the air filters.
3. Vacuum or wash and then dry them.
4. Reinstall the air filters and close the air inlet grille.

18 OPERATION AND PERFORMANCE

1. Three-minute protection feature: To prevent the unit from being activated for 3 minutes when suddenly restarted or switched to ON.
2. Preheating operation: Warm up the unit for 5 minutes before the heating operation starts.
3. Warm air control: When the room temperature reaches the set temperature, the fan speed is automatically reduced and the outdoor unit will stop.
4. Automatic defrosting: Fans will stop during defrost operation.
5. Heating capacity: Heat is absorbed from outdoors and released into the room. When the outdoor temperature is too low, use another recommended heating apparatus in combination with the air conditioner.
6. Consideration for accumulated snow: Select the position for outdoor unit where it will not be subjected to snow drifts, accumulation of leaves or other seasonal debris.
7. Some minor cracking sound may occur when unit operating. This is normal because the cracking sound may be caused by expansion/ contraction of plastic.

Note: Item 2 to 6 for Heating model

Air conditioner operating conditions

Temp. / Operation	Outdoor Temperature	Room Temperature
Heating	-15°C ~ 24°C	Less than 28°C
Cooling	-10°C ~ 46°C	21°C ~ 43°C
Dry	-10°C ~ 46°C	17°C ~ 43°C

19 TROUBLESHOOTING (CHECK POINT)

The unit does not operate.	Cooling or Heating is abnormally low.
• The power main switch is turned off. • The circuit breaker is activated to cut off the power supply. • Stoppage of electric current • ON timer is set.	• The filters are blocked with dust. • The temperature has been set improperly. • The windows or doors are opened. • The air inlet or outlet of the outdoor unit is blocked. • The fan speed is too low. • The operation mode is FAN or DRY. • POWER SELECTION function is set 75% or 50% **(This function is depend on remote controller).**

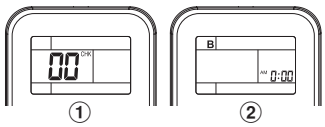
20 REMOTE CONTROL A-B SELECTION

To separate using of remote control for each indoor unit in case of 2 air conditioners are installed nearly.

Remote Control B Setup.

1. Press RESET button on the indoor unit to turn the air conditioner ON.
2. Point the remote control at the indoor unit.
3. Push and hold CHECK button on the Remote Control by the tip of the pencil. “00” will be shown on the display. (Picture ①)
4. Press MODE during pushing CHECK. “B” will show on the display and “00” will disappear and the air conditioner will turn OFF. The Remote Control B is memorized. (Picture ②)

Note: 1. Repeat above step to reset Remote Control to be A.
2. Remote Control A has not “A” display.
3. Default setting of Remote Control from factory is A.



① ②

安全注意事項

⚠ 危險

- 不要安裝、修理、打開或拆下蓋子。這樣做可能會讓你暴露在危險的電壓下。請經銷商或專業人士來執行此操作。
- 關閉電源並不能防止潛在的觸電危險。
- 電器安裝應按照國家布線規範的規定執行。
- 固定布線中必須包含與電源斷開的裝置，所有電極的接觸間隔至少為 3 mm。

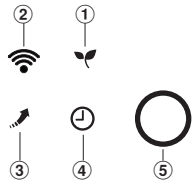
⚠ 警告

- 不要讓你的身體直接長時間暴露在冷氣中。
- 不要將手指或任何物品插入進風口/出風口。
- 當出現異常（焦味等）時，關閉空調並斷開電源或關閉斷路器。
- 如果年齡 8 歲及以上的兒童，身體、感官或精神能力下降或缺乏經驗和知識的人使用該設備時，其應獲得使用本設備的安全監督或指導，並瞭解所涉及的危險後，方可使用本設備。兒童不能觸碰本設備。未經監督的情況下，兒童不得從事清潔和用戶維護的作業。
- 本設備不適用於體體能、感官或精神能力下降或缺乏經驗和知識的人（包括兒童）使用，除非有一個負責其安全的人對設備的使用進行監督或指導。
- 應監督兒童，確保他們能不觸碰該設備。
- 不要使用與所規定的補充或替換制冷劑不同類型的制冷劑。否則，制冷循環中可能會產生異常高壓，這可能導致產品出現故障或發生爆炸一或對身體造成傷害。

⚠ 注意

- 請勿用水清洗設備。可能會導致觸電。
- 請勿將本空調用於其他用途，如保存食物、飼養動物等。
- 請勿在室內/室外機上踩踏或放置任何物品。它可能會導致人身傷害或設備損壞。
- 請勿觸摸鋁散熱片，因其可能會造成傷害。
- 清潔設備前，關閉主開關或斷路器。
- 當長時間未使用設備時，關閉總開關或斷路器。
- 當長時間運行設備後應由專業人員對其進行維護。
- 對於因不遵守本手冊的說明而造成的損壞，製造商不承擔任何責任。

1 室內機顯示器



① ECO 節能 (白色)
② Wi-Fi 連接 (白色) ※
③ 高功率 (白色)
④ 定時器 (白色)
⑤ 操作 (白色)

- 顯示器亮度可以調整，請按照第 ⑪ 的步驟 操作。

※ 需要隨配件而提供的無線局域網連接適配器。

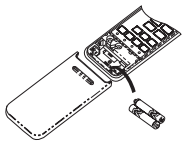
2 使用前的準備

準備過濾器

1. 打開進氣格柵並拆下空氣濾清器。
2. 安裝過濾器 (詳見配件表)。

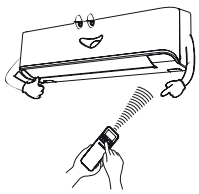
裝入電池 (當使用無線操作時)

1. 拆下滑動蓋
2. 插入2 新電池 (AAA 型)
   按照 (+) 和 (–) 的位置裝入。



時鐘設置

1. 用鉛筆尖壓一下 CLOCK 鍵。
   如果計時器指示燈閃爍，即轉到下一步第 2 步。
2. 按下 ON 或 OFF 鍵: 調整時間。
3. 按下 SET 鍵: 設定時間。

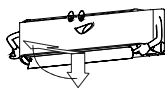
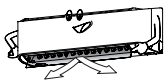
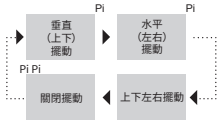
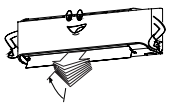


遙控器設置

用鉛筆 一下 RESET 鍵，或

1. 取出電池。
2. 按下 ⏻ 鍵。
3. 插入電池。

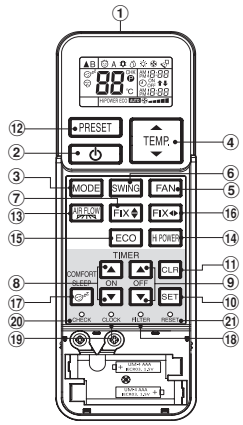
3 氣流方向

1	按下 FIX 鍵: 沿所需的垂直方向移動百葉窗。	
2	按下 FIX 鍵: 沿所需的水平方向移動百葉窗。	
3	按下 SWING 鍵: 用於選擇百葉窗擺動操作。 	• 垂直 (上下) 擺動  • 水平 (左右) 擺動 
4	按下 AIR FLOW 鍵: 選擇提供氣流的方向  設定氣流方向時會發出 "Pi" 的一聲，當氣流方向取消並返回手動設置時，會發出 "Pi Pi" 的聲音。	

注:

- 請勿用手或其他方式手動移動百葉窗。
- 百葉窗可以通過某種操作方式自動定位。

4 遙控器


①
⑫
PRESET
TEMP.
④
②
⏻
③
MODE
SWING
FAN
⑥
⑤
⑦
AIR FLOW
FIX
⑬
FIX
⑯
⑮
ECO
H POWER
⑭
TIMER
⑪
COMFORT SLEEP
CLR
⑧
ON
OFF
⑨
⑰
SET
⑩
⑳
⑳
⑳

9 ECO 節能操作

室內自動控制以節能（除乾燥和僅風扇模式）

按下 ECO 鍵：開啓或停止操作。

注： 制冷操作；設定溫度將自動增加 1 度/小時，持續 2 小時（最多增加2度）。
對於加熱操作，設定溫度將降低。

10 定時器操作

空調運行時設置定時器。

	ON（開啓）定時器設置	OFF（關閉）定時器設置
1	按下 ON 鍵：設置所需的開啓計時器。	按下 OFF 鍵：設置所需的關閉計時器。
2	按下 SET 鍵：設置定時器。	按下 SET 鍵：設置定時器。
3	按下 CLR 鍵：取消定時器。	按下 CLR 鍵：取消定時器。

Daily Timer（每日計時器）允許用戶設置開啓/關閉計時器，並將每日被激活。

設置每日計時器

1	按下 ON 鍵：設置 ON（開啓）計時器	*3*	按下 SET 鍵。
2	按下 OFF 鍵：設置 OFF（關閉）計時器。	*4*	在（▮ 或 ▮）標記閃爍時按下 SET 鍵。

- 在激活每日計時器期間，兩個箭頭（▮，▮）都會顯示。

注：
- 將遙控器保持在可向室內機無障礙傳輸信號的狀態，否則將會出現長達 15 分鐘的延時現象。
- 設置將被保存以用於下一次相同操作。

11 顯示燈的亮度調節

降低或關閉顯示燈亮度.

1.按住 FAN 鍵 3 秒鐘，直到遙控 LCD 上顯示亮度水平 (d0，d1，d2 或 d3)），然後松開按鈕。

2.按 TEMP. 升高 鍵或 TEMP. 降低 鍵，在 4 個級別中調整亮度。

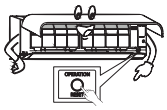
遙控器 LCD	操作顯示	亮度
d3	指示燈將完全亮起。	100%
d2	指示燈亮度為 50%。	50%
d1	指示燈亮度為 50%，操作燈熄滅。	50%
d0	關閉所有燈。	全部關閉

- 在 d1 和 d0 示例中，燈亮 5 秒鐘後熄滅。

12 臨時操作

如果遙控器放錯位置或被卸下

- 按下 RESET（復位）按鈕，在無需使用遙控器的情況 下可啓動或停止設備。
- 運行模式設置為 AUTOMATIC（自動）運行，預設溫度為 24°C，風扇運行為自動轉速。



13 預設操作

設置您的首選操作以備將來使用。設備將記住該設置以便將來操作的運行（氣流方向除外）。

1. 設置您的首選操作。
2. 按住 PRESET 鍵 3 秒鐘來進行記憶設置。
顯示出 Ⓟ 標記。
3. 按下 PRESET：進行預設操作。

14 自動重啓操作

停電後可自動重啓空調（設備電源必須處於開啓狀態）。

設置

1. 按住室內機上的「RESET」按鈕 3 秒鐘以設置操作。（發出 3 聲響且 OPERATION（操作）燈閃爍5次/秒，持續5秒）。
2. 按住室內機上的「RESET」按鈕 3 秒鐘以取消操作。（發出 3 聲響且 OPERATION 燈不閃爍）
   - 如果設置了開啓計時器或關閉計時器，則 AUTO RESTART OPERATION（自動重啓操作）將無法被激活。

15 舒適睡眠操作

為了舒適的睡眠，將自動控制氣流並自動將其關閉。

按下 COMFORT SLEEP 鍵：選擇 1，3，5 或 9 小時以關閉計時器。

注： 制冷操作時，設定的溫度將自動增加 1 度/小時，持續 2 小時（最多增加 2 度）。對於加熱操作，設定的溫度將降低。

16 自清潔操作（僅用於制冷和乾燥操作）

防止室內機內濕度引起的異味。

1. 如果在「冷卻」或「乾燥」模式下按 ⏻ 按鈕一次，風扇將繼續運行 30 分鐘，然後自動關閉。這樣可以降低室內機的濕度。
2. 要立即停止設備，請在 30 秒內按 2 次以上的 ⏻ 按鈕。

17 維修

⚠ 首先，關閉斷路器。

室內機和遙控器

- 必要時用濕布清潔室內機和遙控器。
- 不可使用汽油、稀釋劑、拋光粉或化學處理的噴粉機。

空氣過濾器

每兩周清洗一次

1. 打開進氣格柵。
2. 拆下空氣過濾器。
3. 用真空吸塵器或水清洗，然後擦乾。
4. 重新安裝空氣過濾器並關閉進氣格柵。

18 操作和性能

1. 三分鐘保護功能：防止設備突然重啓或打開時啓動 3 分鐘。
2. 預熱操作：在加熱操作開始前，預熱設備 5 分鐘。
3. 暖風控制：當室內溫度達到設定的溫度時，風扇轉速自動降低，室外機停止。
4. 自動除霜：除霜過程中風扇將停止運行。
5. 加熱能力：熱量從室外吸收並釋放到室內。當室外溫度過低時，應與空調結合使用另一種被推薦的加熱裝置。
6. 積雪考慮：將室外機放置於一個不受積雪、樹葉堆積或其他季節性雜物影響的位置。
7. 設備運行時可能會發出輕微的開裂聲。這屬於正常現象，該破裂聲可能是由塑料膨脹/收縮引起的。

注： 2-6 項針對加熱模式。

空調運行條件

溫度。 / 操作	室外溫度	室內溫度
加熱	-15°C ~ 24°C	小於 28°C
制冷	-10°C ~ 46°C	21°C ~ 43°C
乾燥	-10°C ~ 46°C	17°C ~ 43°C

19 故障排除（檢查點）

設備不工作。	制冷或加熱異常低。
• 電源總開關關閉。 • 激活斷路器切斷電源。 • 電流中斷 • 計時器打開設置	• 過濾器被灰塵堵塞。 • 温度設置不當。 • 車窗或車門打開。 • 室外機進、出風口被堵塞。 • 風扇轉速過低。 • 運行方式為 FAN 或 DRY。 • POWER SLECTION（功率選擇）功能設定為 75% 或 50% **（此功能取決於遙控器）。**

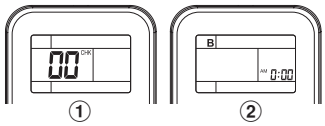
20 遙控 A-B 選擇

在安裝兩台空調的情況下，每台室內機分別使用各自的遙控器。

遙控器 B 設置

1. 按下室內機上的RESET(重設)按鈕來 ON (打開)空調器。
2. 將 遙 控 器 指 向 室 內 機。
3. 用鉛筆尖壓住遙控器上的 CHECK 按鈕。顯示屏上將顯示 "00"。(圖片 ①)
4. 推按 MODE 按鈕時按下 CHECK. 鍵。顯示屏上將顯示 "B"，"00"消失，空調被關閉。遙控器B被記憶。(圖片②)

注：
1. 重復上述步驟，將遙控器重置為 A。
2. 遙控器A沒有 "A" 顯示。
3. 出廠遙控默認設置為 A。



① ②

MEMO

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