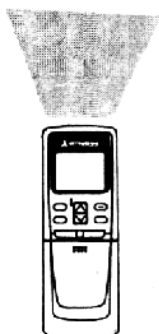
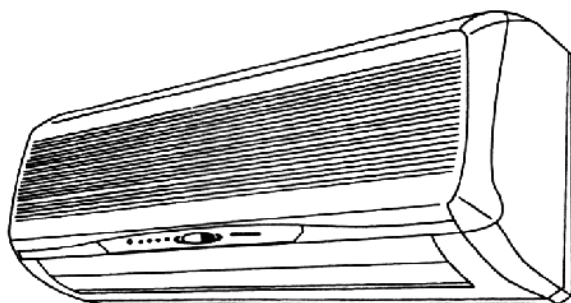


OWNER'S MANUAL

mitsubishi daiya ROOM AIR CONDITIONER



SRK28CBE-1
SRK40CBE-1
SRK50CBE-1
SRK28CCEH
SRK40CCEH
SRK50CCEH

Thank you for selecting a Mitsubishi Daiya Air Conditioner. To ensure satisfactory operation for many years to come, this Owner's Manual should be read carefully before using your air conditioner. After reading, store it in a safe place. Please refer to the manual for questions on use or in the event that any irregularities occur.

This Air Conditioner should be used for household use.




RYD012A029

Safety precautions

Before starting to use the system, please read these "Safety precautions" care fully to ensure proper operation of the system.

The safety precautions are classified as "⚠DANGER" and "⚠CAUTION". Precautions as show in the column "⚠DANGER" indicate that improper handling could have dramatic consequences like death, serious injury, etc. Nevertheless, even precautions as shown in the column "⚠CAUTION" might pose a serious problem, depending on the circumstances. Please observe these precautions with great care, since they are essential to your safety.

Symbols which appear frequently in the text have the following meaning:

	Strictly prohibited		Observe instructions with great care		Provide positive earthing
---	---------------------	---	--------------------------------------	---	---------------------------

When you have read the instruction manual, please keep it near at hand for consultation. If someone else takes over a operator, make certain that the manual is also passed on to the new operator.

■ INSTALLATION PRECAUTIONS

⚠ DANGER

The system is meant for domestic, residential etc. use.



If used in inferior environments, such as an engineering workplace, the equipment may function poorly.

The system must be installed by your dealer or a qualified professional.



It is not advisable to install the system yourself, as faulty handling may cause leakage of water, electric shock or fire.

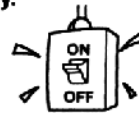
⚠ CAUTION

Do not install near places where inflammable gas may leak.



Gas leaks may cause fire.

Depending on the place of installation, a circuit breaker may be necessary.



If you don't fit a circuit breaker, you may cause an electric shock.

Make sure that you drain the hose properly, so that all the water has dripped out.



Negligence may cause flooding in the room resulting in wet furniture.

Make sure that you system has been properly earthed.



Earth cables should never be connected to a gas pipe, municipal water pipe, lightning conductor or telephone earth cable. Incorrect in installation of the earth cable may produce an electric shock.

■ OPERATION PRECAUTIONS

⚠ DANGER

Do not expose yourself to the cooling air for prolonged periods.



This could affect your physical condition and cause health problems.

Do not insert anything into the air inlet.



This may cause injury, as the internal fan rotates at high speed.

Safety precautions

⚠ CAUTION

May use approved fuses.



Use of steel or copper wire in instead of an approved fuse is strictly forbidden, as it may cause a breakdown or fire.

Do not handle the switches with wet hands.



This may cause an electric shock.

Do not swing from the system.



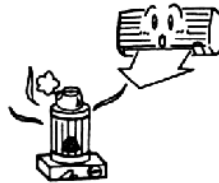
If the system falls down, you may get injured.

Do not place a combustible insecticide or paint spray near the blower, nor aim it directly at the system.



This may result in a fire.

You should not expose any combustion appliance directly to the air stream of the air conditioner.



The appliance may then work inadequately.

Do not wash the air conditioner with water.



This could cause an electric shock.

The system should only be used for its original purpose and not for anything else like, for instance, preservation of food, plants or animals, precision devices or works of art.



The system is only intended for use in ordinary domestic rooms. Any other use of the system may damage the quality of food, etc.

Do not place anything containing water, like vases, on top of the unit.



Water entering the unit could damage the insulation and therefore cause an electric shock.

Do not install the system at a place where the air stream of the blower is aimed directly at plants or animals.



This will damage their health.

Do not sit on the outdoor unit nor put anything on it.



If the unit falls down or things drop off it, people could get hurt.

After a long period of use, check the unit's support structure from time to time.



If you don't repair any damage straightaway, the unit may fall down and cause personal injury.

When you clean the system, stop the unit and turn off the power switch.



Never clean the unit while the internal fan is rotating.

If you operate the system together with a combustion appliance, you must regularly ventilate the indoor air.



Insufficient ventilation may cause accidents due to oxygen deficiency.

When cleaning the system, stop the operation and remove the power source plug.



Cleaning should never be done while the internal fans are running with high speed.

When not using the system for a long time, remove the plug from a socket to ensure the safety.



If covered with dust, the plug could be a source of heat generation or fire.

■ PRECAUTIONS FOR TRANSFER OR REPAIRS

⚠ DANGER

Consult your dealer for repairs to the system.



Wrong repairs could cause an electric shock, fire, etc.

If the air conditioner is moved elsewhere, contact your dealer or professional fitter.



Faulty installation may cause water leakage, electric shock, fire, etc.

If you notice anything abnormal (smell of burning, etc.), stop the system, turn off the power switch and consult your dealer.



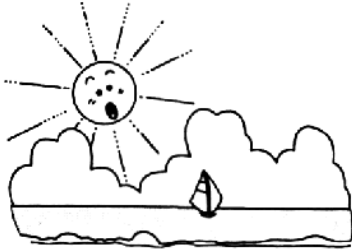
Continued use of the system in abnormal circumstances may result in malfunctioning, electric shock, fire, etc.

Choice of operations and features

Choice of operations

COOL Page 9

Cooling by extract heat from in the room.



FAN Page 9

It is circulated room air.



When stove or another heating apparatus operate, be used circulator with efficient method.

DRY Page 9

Drying by extracting damp from the room.



Functioning of micro-computer depends on setting and room temperatures. It dehumidifies while keeping room temperature almost constant.

AUTO Page 8

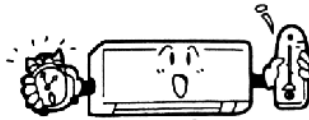
Automatic selection of operating mode.



The Auto mode automatically selects the operation mode (HEAT, COOL or DRY), depending on the room temperature when switched on.

Characteristics

Amenity facility Page 13



When using the timer to switch on, the system become operational shortly before the set time, depending on the room temperature so that the desired temperature is reached at the set time.

TIMER procedure Page 14



There are three timers, for SLEEP, ON and OFF. They can be set as desired.

HI POWER mode Page 9



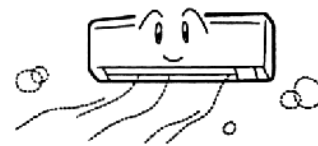
Turning up the power operates the air conditioner in the power cooling and heating mode.

Adjustment of airflow Page 10



- **TRIDIMENSIONAL AIRFLOW**
This function sets the unit at the most suitable angle for blowing, imitating a natural breeze.
- **MEMORY FLAP**
Once the flap position has been set, the unit will memorise it and continue in the same position the next time.

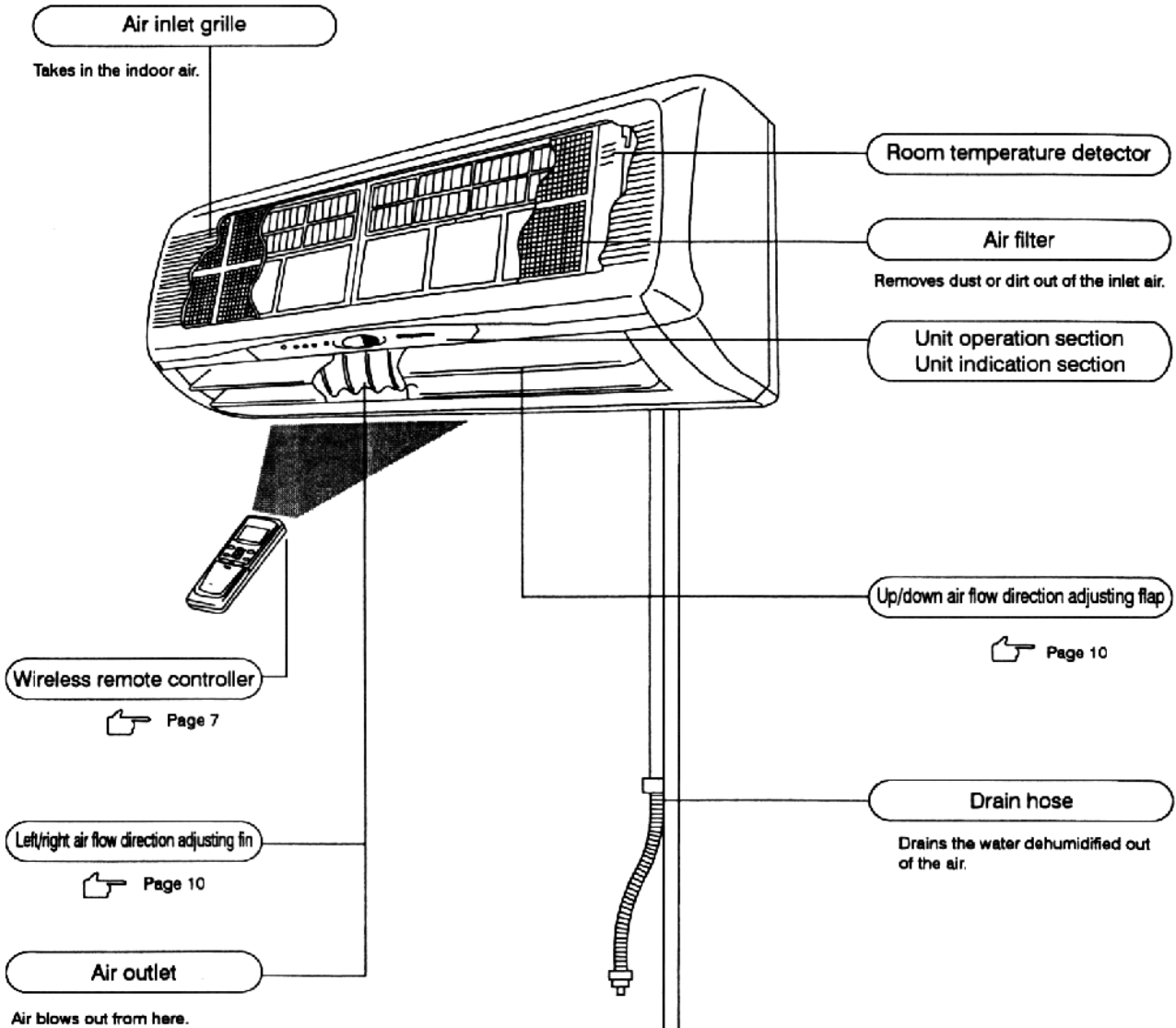
ECONOMY mode Page 9



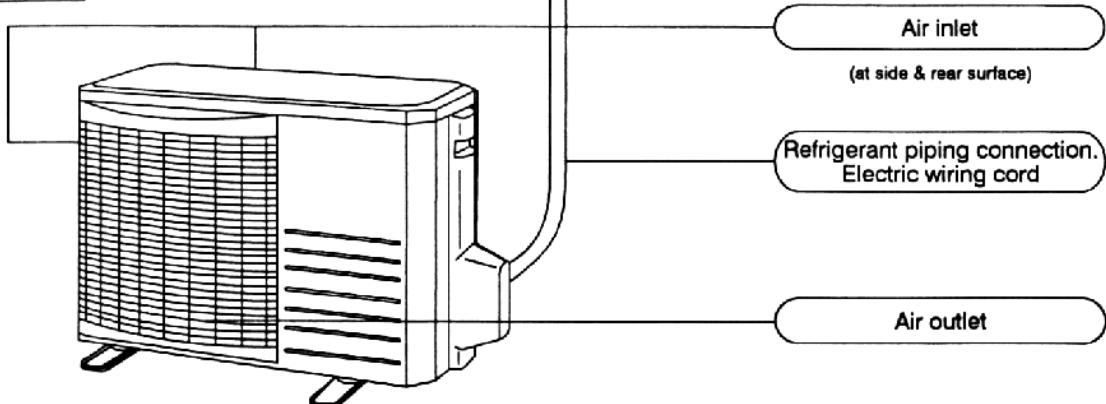
This is an economic and healthy level of operation.

The name of each part and its function

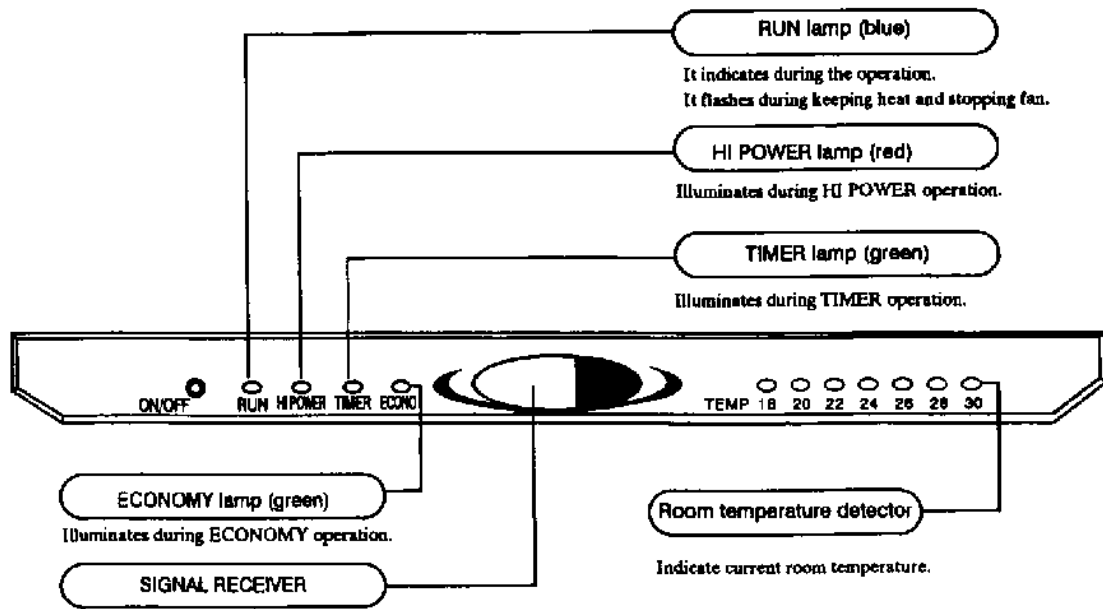
INDOOR UNIT



OUTDOOR UNIT



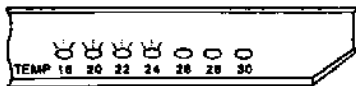
Unit indication section



INDICATING MODE FOR INDOOR TEMPERATURE INDICATOR

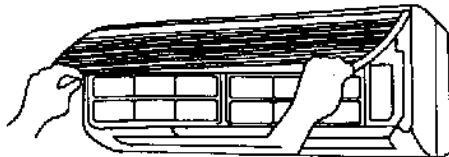
During COOLING operation, the indicator begin to light from right to

Left. The left on the indicate the present indoor temperature is 24°C



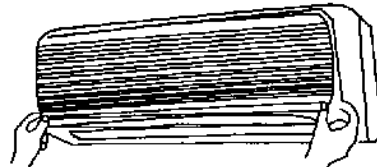
How to open

Lightly pull both side of the air inlet grille at the bottom and stop pulling at about 60° open.



How to close

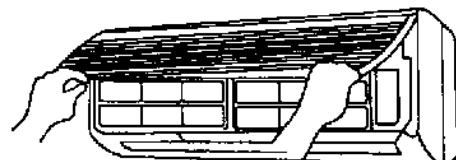
Push down the air inlet grille and then push both sides of a air inlet grille at the bottom.



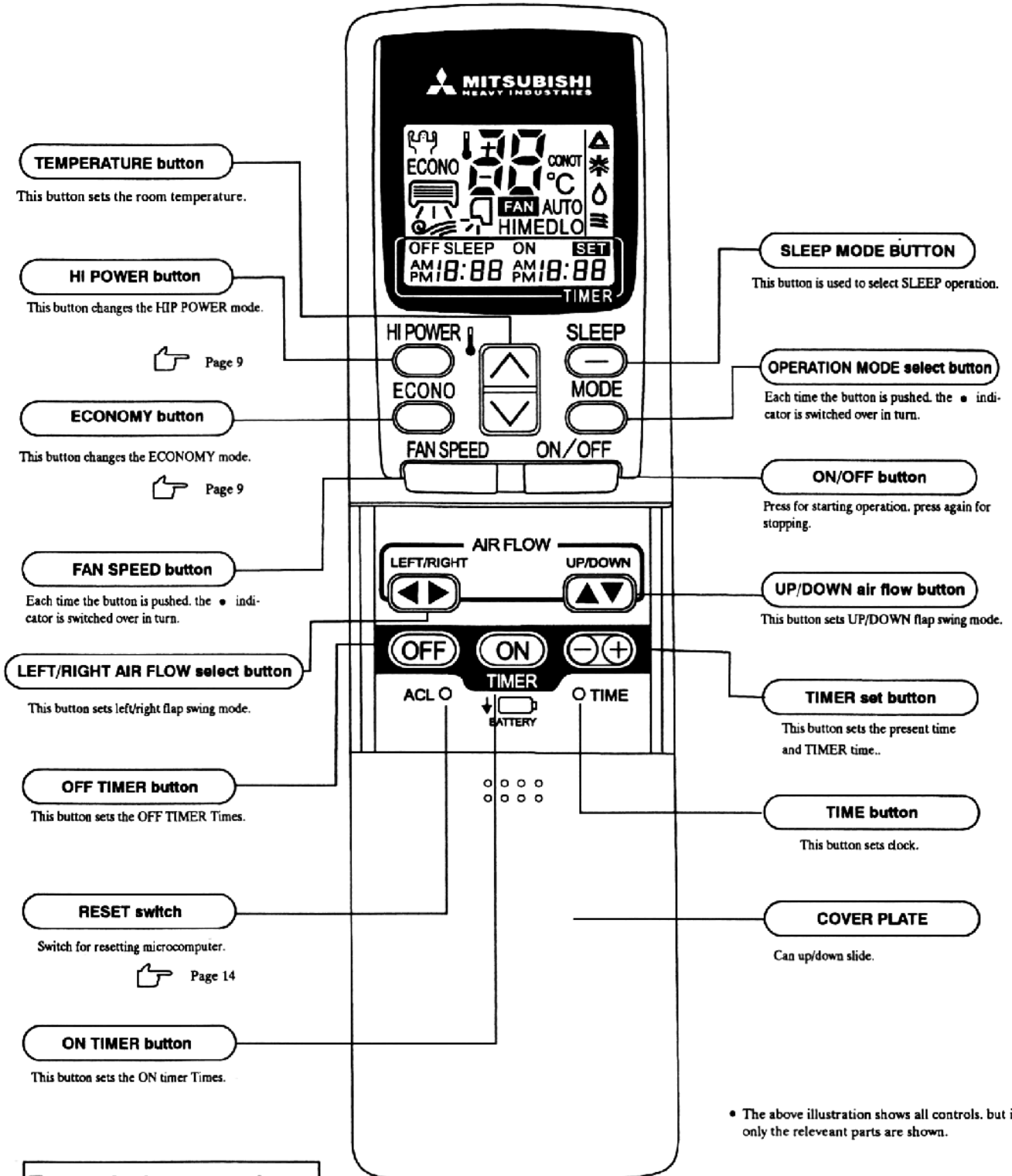
Removal, installation of suction grill

When removing the suction grill for internal cleaning or others, open the grill by 90 degrees and then pull it to this side.

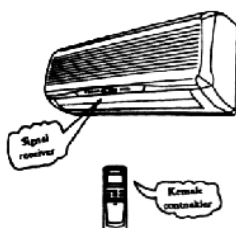
When installing the suction grill, securely engage the mounting arms of the grill with the main unit and close the grill.



Operation and indication sections of remote controller



Transmission procedure



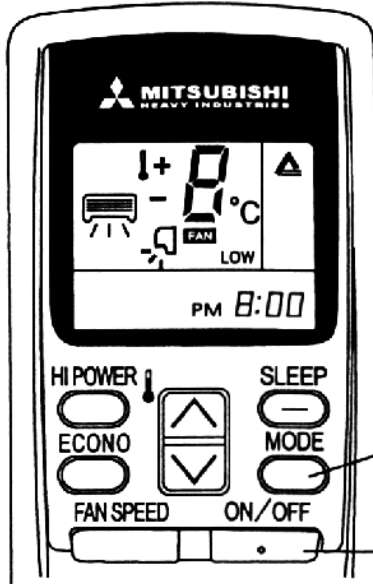
When each button on the remote controller is pressed with the remote controller pointing toward the air conditioner unit, signal is sent.

When the signal is received correctly, the receiving sound is emitted from the unit.

AUTO mode operation procedure

- Automatically selects the operation mode (FAN, DRY, COOL) depending on the room temperature when switched on.

Aim the remote control at the air conditioner.



1

Press the ON/OFF button.

When the unit is not in AUTO mode.

2

Press MODE button.

Move the [● mark] to the ▲ (Auto) position.

To stop:

Press the ON/OFF button.

AUTO mode can be operated by simply pressing the ON/OFF button.



NOTE

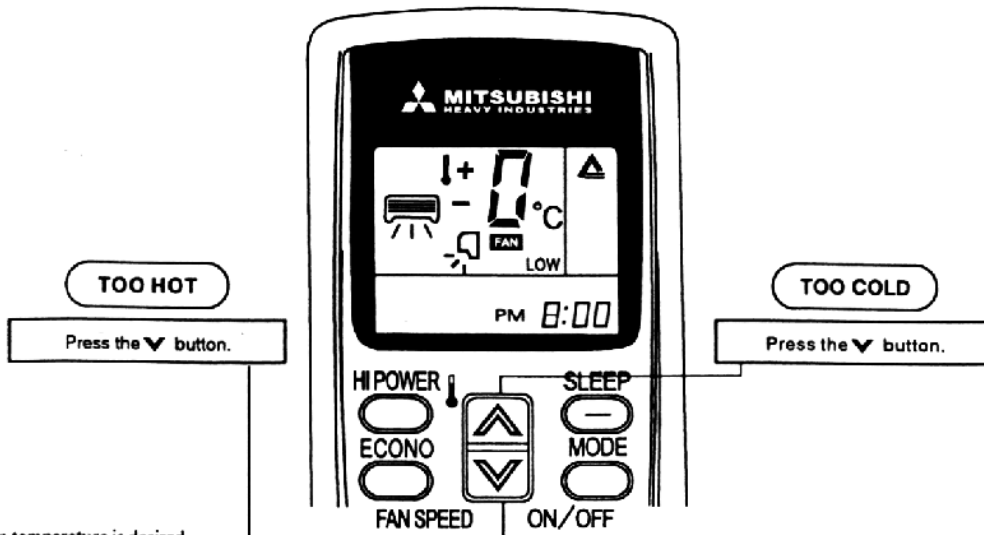
- Air is not blowing out during the operation. Page 16

- If you don't want the AUTO mode programme, change to FAN, DRY or COOL instead of AUTO Page 8

Air flow direction adjustment procedure. Page 10

Temperature adjusting procedure during AUTO operation

Air temperature adjustment is possible even during automatic operation. There are 6 levels of adjustment possible with the button.



When a change in temperature is desired.

1

Press the ▲ or ▼ button.

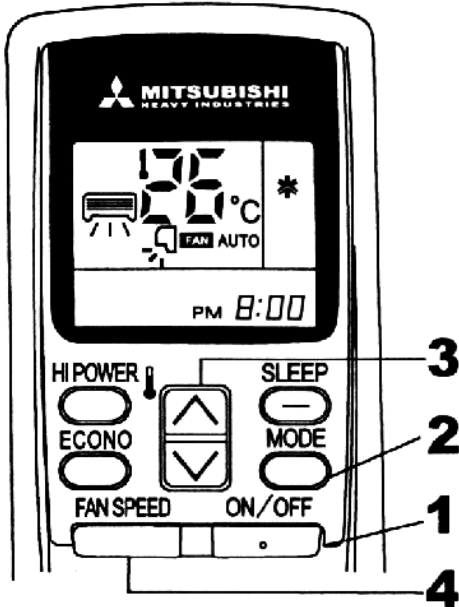
- Each time the ▲ button is pushed, the switch over occurs in the following order -6→-5→.....-1→±0→+1.....+6.

When +6 is indicated, even if the▲ button is pushed, the indicator does not change.

- Each time the ▼ button is pushed, the switch over occurs in the following order +6→+5→.....+1→±0→-1.....-6.

When -6 is indicated, even if the▼ button is pushed, the indicator does not change.

COOL / DRY / FAN mode operation procedure



Aim the remote control at the air conditioner.

1 Press the ON/OFF button.

2 Press the MODE select button.
The indicator is switched in the order of:
"AUTO" → "COOL" → "DRY" → "FAN"
Set the mode as desired.

3 Press the TEMP button
Press \wedge or \vee button for the desired temperature.
Standard

COOL	26°C~28°C	DRY	21°C~24°C
------	-----------	-----	-----------

• If CONT is selected, the room temperature is not controlled, as the operation is then continuous.

4 Press the FAN SPEED button
Set the air flow rate as desired.

Air flow direction E Page 10 adjustment procedure.

NOTE

• The air is not blown Page 18 out during the operation.

To stop: Press the ON/OFF button.

Program changing procedure

Set the new program.

• The operation program can also be set or changed when the air conditioner is not in operation.

Concerning high power operation

During cooling operation (including automatic operation time), by pressing the "high power button," the air quantity is set at "Hi." and will continue operating thus for 15 minutes. During high power operation, the air quantity indicator is not lit, and the high power lamp is lit.

NOTE

Switching over of air quantity cannot be done during high power operation.

Concerning economy operation

When the "Economy button" is pushed during cooling or dehumidification operations, the set temperature rises 2 °C, and operation is at "Lo" air quantity. During economy operation, the air quantity indicator is not lit, and the economy lamp is lit.

NOTE

Switching over of air quantity cannot be done during high power operation.

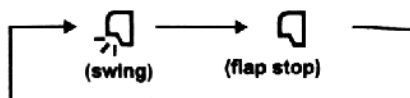
Air flow direction adjustment procedure

Adjusting up/down air flow direction

- Up/down direction can be adjusted by using the AIRFLOW button on the remote controller. This button, each time pressed, changes the mode in the following sequence:

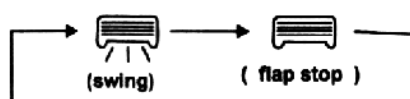
NOTE

- During UP/DOWN fan, flap swings as the Micro-computer set and the airflow in swirl.



Adjusting left/right air flow direction

- Adjusted by using the AIRFLOW LEFT/RIGHT button. Each time pressed, it changes the mode in the following sequence.



Tridimensional airflow(up/down swirl fan+left/right swing)

- It is tridimensional air flow when start up/down and left/right fan directions.
- A fixed up/down or left/right airflow can be set after stop left/right and up/down swing respectively.

MEMORY FLAP (FLAP STOPPED)

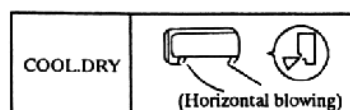
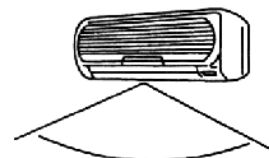
- When you press the AIRFLOW button once while the flap is operating, it stops swinging at an angle. Since this angle is memorized in the micro-computer, the flap will automatically be set at this angle when the next operation is started.
- When the left/right flap stop swinging, it couldn't stop at the maximum angles. See from the right chart.

⚠ WARNING

- Avoid direct air flow to the body for many hours.

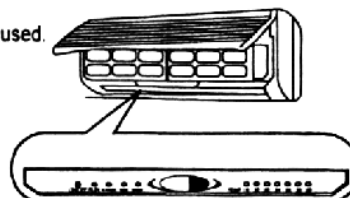
⚠ CAUTION

- Avoid downward blowing operation for many hours.
- Do not try to adjust the flaps by hand. Otherwise, the control angle may change or the flap may not close completely.
- While the flap is operating if the AIRFLOW button is pushed once, it stops swinging at an angle. As this angle is memorized in the microcomputer, the flap will be automatically set to the angle when next operation is started.



Emergency run operation

- The ON/OFF button operates ON/OFF of the unit temporarily when remote controller is not used.
- During ON/OFF operation, the unit will start as the set operation before stop.
- When reset the plug, the unit operates as AUTO.
- Press ON/OFF button, the unit will start/ off.
- It's an emergency button. Don't press it continuously.



SLEEP OPERATION PROCEDURE

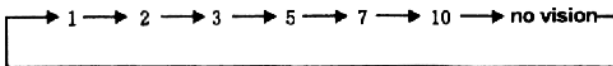
About SLEEP operation

- To control the indoor temperature not too cold during COOL, and to control the indoor temperature automatically and stop at the set time.

Example: You wish it no stop after 7 hours.
If the air conditioner is not operating, aim the remote control at the air conditioner.


1 Press the ON/OFF button.

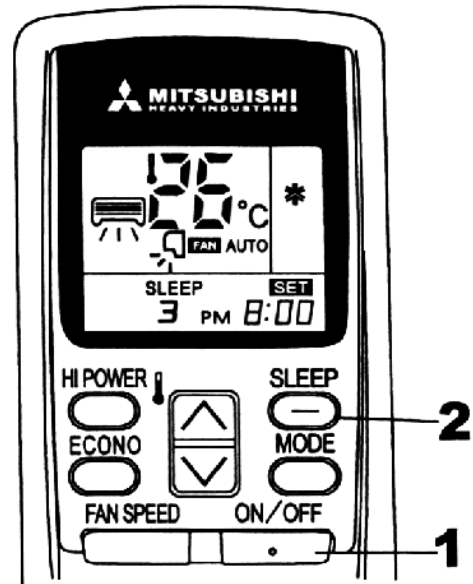
2 Press SLEEP button, it indicates SLEEP .
Each press, SLEEP indicates as the follow turns :



Set the time on 3
During SLEEP operation ,both the TIMER indicator and OPERATION indicator light .
After the set ime(3 hours),the unit stops.

If cancel the SLEEP operation ,press SLEEP button for several times till SLEEP disappeared.

- Press SLEEP button to change the time set for SLEEP operation freely .
- SLEEP operation can be used together with ON TIMER operation .  Page 13
- SLEEP operation can not be used with OFF TIMER operation together .
- During TIMER operation ,it indicates the remanent time you set .



About SLEEP operation

During SLEEP operation ,it control the indoor temperature auto-
matically and it will not too cool during COOL and will not too hot
during HEAT .

- During COOL and DRY: start SLEEP operation (the TIMER is set already),the indoor temperature Will be higher than the set temperature . It will be 1.5°C higher within one hour.
- After 2.5 hours when you press the OFF TIMER Button , it will check the indoor temperature every 30 minutes. The unit maybe stop earlier than the set time according to the checked temperature.

NOTE

During SLEEP operation , the unit maybe stop during the set time , for the set temperature is changed(if the TIMER indicator is light , the SLEEP operation is on).When it reach the set time after 2 hours , the unit operates on LOW fan operation.

OFF-TIMER operation procedure

OFF-TIMER operation procedure

The unit stops automatically at the end of the set period of time.

Example: You wish it to stop at 12:00p.m.

1 Press ON/OFF button.

2 OFF indicator indicates when press off button.

3 OFF indicator flash when press TIMER button.

4 Press the OFF TIMER button.
OFF indicator stop flashing but still turn on.

TIMER indicator in the unit light.

The unit stop when reach the set time.

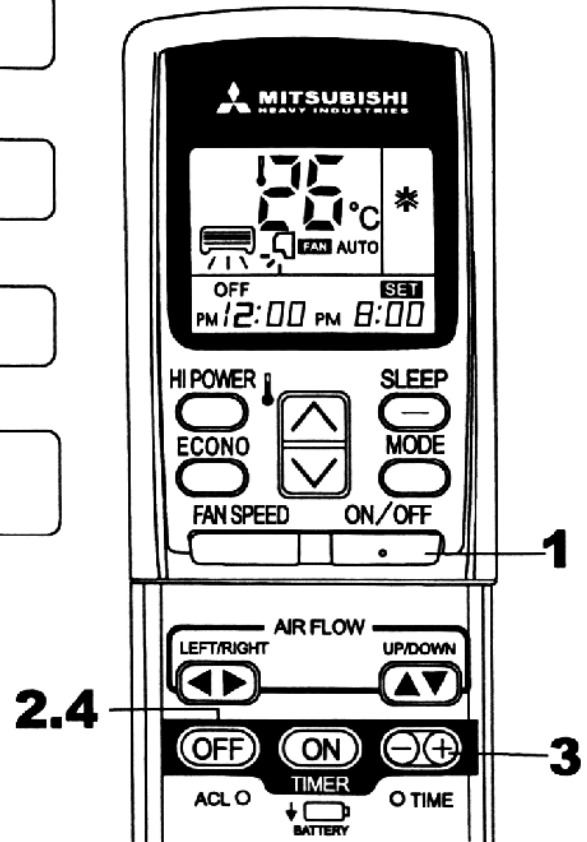
The unit indicator goes out when reach the set time.

Changing of set time

Set a new time by using the OFF TIMER button.

Releasing procedure

Press the CANCEL button to turn off the timer indicator.



ON-TIMER operation procedure

About ON-TIMER Operation

If the room temperature is at near optimum temperature at the set time, the operation starts 5 to 60 minutes before the set time.

Example: Near set temperature around 8:00 p.m.

Aim the remote control at the air conditioner.

1 Press the ON/OFF button.

2 Press ON button, ON indicator light.

3 Press + button. On indicator flash.
Press + or - button till it indicates 6:30 a.m.

4 Press the OFF TIMER button.
On stops flashing and lighting.

At this time, the indicator in the unit lights.

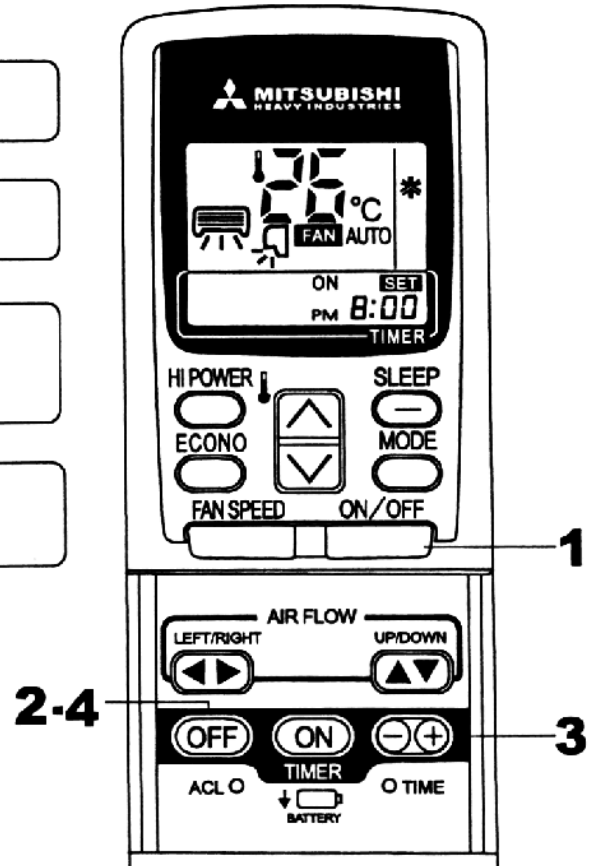
- Operation starts 5 to 60 minutes before the set time.
- The TIMER light goes out at the set time.

Changing of set time

Set a new time by using the ON TIMER button.

Releasing procedure

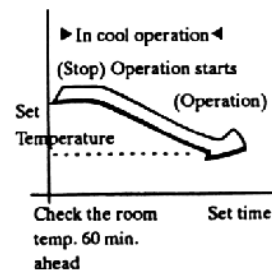
Press: the CANCEL button to turn off the timer indicator.



About ON-TIMER Operation

Amenity facilities enable to start the operation a little earlier, so that the room approaches optimum temperature at ON time when the operation is started by ON-TIMER.

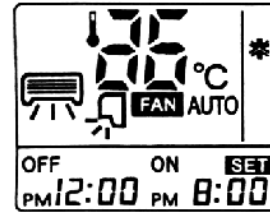
- Mechanism
The room temperature is checked 60 minutes before the timer is at ON. Depending on the temperature at that time, the operation starts 5 to 60 minutes before the timer is at ON.
- The Amenity facility only functions for COOL operation mode (including AUTO). It does not work for DRY and FAN mode.



About TIMER operation

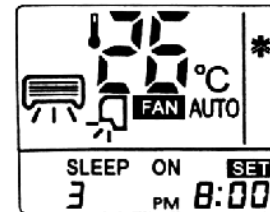
Program TIMER Operation

- TIMER operation including ON-TIMER operation and OFF-TIMER operation. During TIMER operation, the unit will repeat to ON and OFF at the same time and no need to press the ON/OFF button everyday.
- It is the same way to set the TIMER operation as ON-TIMER and OFF-TIMER operation.



SLEEP operation + ON-TIMER operation

- Example: Stop to operate 3 hours later, start on 8:00 p.m. This is the SLEEP operation + ON-TIMER operation.
- It is the same way for TIMER as the SLEEP operation and ON-TIMER operation.
- Set SLEEP operation first, then set ON-TIMER operation. It will unavailable if set contrarily.



About FAN SPEED

- Capacity of the air conditioner can be selected by your choice. During cooling.

Operation capacity by your choice	FAN SPEED
Set automatically by microcomputer	AUTO
Powerful operation with high capacity	HI
Standard operation	MED
Energy-saving operation	LO

Remote controller handling procedure

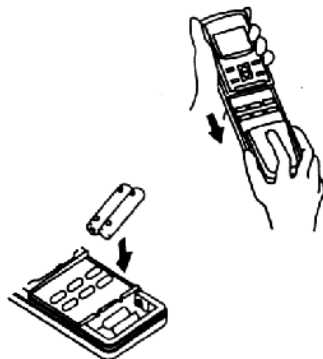
Replacing the batteries

The following cases signify exhausted batteries. Replace old batteries with new ones.

- Receiving beep is not emitted when a signal is transmitted.
- Indicator fades away.

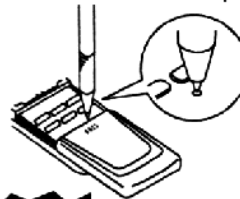
1 Remove back lid and take out old batteries.

2 Insert new batteries.
(SUM-4 or R03x2)



3 Close back lid.

- When the indicator shows an abnormal condition, Press the reset switch with the tip of a ballpoint pen.



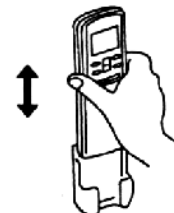
NOTE

- Don't use old and new batteries together.
- Remove the batteries when the remote control is not used for a long period.
- The life of a battery conforming to JIS or IEC is 6 to 12 months with normal use. If used longer, or when an unspecified battery is used, liquid may leak from the battery, causing the remote control to malfunction.

- On the battery is printed its expected life. This may be shorter than that of the air conditioner, depending on the date of manufacture.
- However, the battery may still be in working order after expiry of its nominal life.

Using the remote control holder

The remote control can be attached to a wall or pillar by using a remote control holder. Before installing the remote control, check that the air conditioner receives the signals properly.



For installing or removing the remote control, move it up or down in the holder.

Is the unit installed correctly?

Suitable Installation Position

- Isn't there anything which prevents ventilation or obstructs operation in front of the indoor unit?
- Do not install the unit following place.
 - Inflammable gases may leak.
 - Oil splashes a lot.
- In case where the unit is used in such places as a spa where sulfide gases are generated, or seaside district exposed to sea breezes, corrosion may cause malfunction. Consult with your distributor.
- Air conditioner body and remote controller must be 1 m or more away from a TV or a radio.
- Drain the dehumidified water from the indoor unit to a place which drains well.

Pay attention to operation noise, too

- When installing the unit, choose a place which can stand the weight of the unit well and does not increase the operation noise or vibration. Especially where there is a possibility that vibration be transmitted to the house, fix the unit by inserting attached vibration-proof pads between the unit and fittings.
- Choose the place where hot air and operation noise from the outlet of the outdoor unit do not annoy the neighborhood.
- Things left near the outlet and inlet of the outdoor unit cause malfunction or increased operation noise. Do not leave obstacles near the outlet and inlet.
- If irregular sound is heard during operation, consult with your distributor.

Inspection and Maintenance

According to the service conditions and operating environment, the inside of the air conditioner will become dirty after several seasons (3 to 5 years) of service, resulting in decreased operating performance. Inspection and maintenance are recommended in addition to usual cleaning. (The air conditioner can be used for a longer period and without anxiety.)

- As to inspection and maintenance, consult your dealer or any one of business offices of dealing companies. (Service charge is required in this case.)
- We recommend to perform inspection and maintenance during an off seasons.

Treatment at service call

Please check the following before requesting after-sale service from your dealer.

The air conditioner does not operate at all.

Is the power switch turning off?



Is the timer set to "ON-TIMER" position?

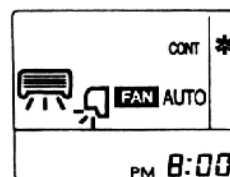


Is there a power failure or a blown fuse?



Room temperature cannot be controlled (too cold)

Has the room temperature been set to "CONT"?



In the "CONT" mode, the unit operates continuously, irrespective of the room temperature.

Poor cooling or heating performance.

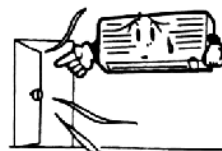
Is the room temperature setting suitable?



Are the air filters clean (Not clogged)?



Are the window(s) and door(s) opened?



Poor cooling performance.

Is direct sunlight entering the room?



Is there a heat source in the room?




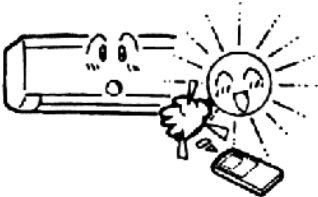


Are there too many people in the room?





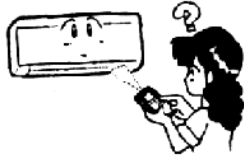



If the air conditioner does not operate properly even after conducting the above checks, when the doubt still remains even after consulting page 14, or in case that such phenomena as those shown on page 15 arise, turn off the power and contact your distributor.

Please remember!

<p>You cannot restart the unit immediately after you have stopped it.</p> <p>(RUN light is on)</p> 	<p>Restarting has been blocked for 3 minutes after you have stopped, to protect the unit.</p>  <p>The three-minute protection timer in the microcomputer automatically starts up again. This function is not activated if you have disconnected the power.</p>
<p>Air is not blown out when starting the DRY operation.</p> <p>(RUN light is on)</p>	<p>The indoor fan may stop to prevent re-evaporation of dehumidified moisture and to save energy.</p>
<p>Some steam escapes during COOL operation.</p>	<p>This may occur if the room's temperature and humidity are very high. It disappears as soon as the temperature and humidity decrease.</p>
<p>There is a slight smell.</p>	<p>Air blown out during operation may smell. This is caused by tobacco or cosmetics sticking to the unit.</p>
<p>You hear a slight gurgling sound.</p> 	<p>This is caused by refrigerating liquid moving within the unit.</p>
<p>You hear a slight cracking sound.</p>	<p>This is caused by heat expansion or contraction.</p>
<p>After a power cut, you cannot re-start, even if power has been restored.</p>	<p>The memory circuit of the microcomputer has been wiped out. Use the remote control to start the operation again.</p>
<p>Remote control signals are not received.</p>	<p>Remote control signals may not be received if the signal receiver on the air conditioner is exposed to direct sunlight or other bright light. If so, cut out the sunlight or reduce the other light.</p> 
<p>Moisture may form on the air outlet grilles.</p>	<p>If the unit is operated for a long time in high humidity, moisture may form on the air outlet grilles and start dripping.</p>

When to contact your distributor without delay

Turn off the power switch immediately and inform your dealer in any of the following situations:

<p>The fuse or switch blows continuously.</p> 	<p>The cable becomes extremely hot.</p>	<p>The covering of the cable is cracked.</p>
<p>The TV, radio or other equipment starts to malfunction.</p> 	<p>A switch does not activate properly.</p> 	<p>You hear a strange noise during operation.</p> 
<p>When faulty movement is observed when the ON/OFF button is pressed, even after pulling out the power plug and restarting the operation after 3 minutes, the faulty movement does not disappear.</p> 	<p>The RUN and TIMER lights on the the unit indication section blink quickly (0.5 sec. ON; 0.5 sec. OFF) and don't work.</p> 	

Self diagnosis function

■ We are constantly trying to improve our customer service by installing checking devices that show the type of irregularity of each function as follows:

RUN light	TIMER light	Nature of defect
1 time flash	comes on	Heat exchanger sensor error
2 time flash	comes on	Room temperature sensor error
6 time flash	comes on	Indoor fan motor error
comes on	5 time flash	Irregularity of outdoor unit

Characteristic chart

- This unit can bring you a comfortable environment by COOL, DRY, FILTRADE operation. It is suitable for family and small public room.
- This unit is suitable for T1 climate condition and its working temperature is in range 18°C to 43°C.
- This main performance parameter is as the following:

parameter \ Model	SRK28CBE-1	SRK40CBE-1	SRK50CBE-1	SRK28CCEH
Power supply	phase,220~, 50hz			
Cool capacity W	2600	3650	4650	2600
Cool input W	840	1270	1780	840
Indoor noise dB(A)	39	43	44	39
Outdoor noise dB(A)	45	50	51	45
Input at worst condition W	1010	1570	2180	1010
Refrigerant	R-22			
Indoor airflow m ³ /h	570	600	660	570

parameter \ Model	SRK40CCEH	SRK50CCEH
Power supply	phase,220~, 50hz	
Cool capacity W	3650	4650
Cool input W	1270	1780
Indoor noise dB(A)	43	44
Outdoor noise dB(A)	50	51
Input at worst condition W	1570	2180
Refrigerant	R-22	
Indoor airflow m ³ /h	600	660



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