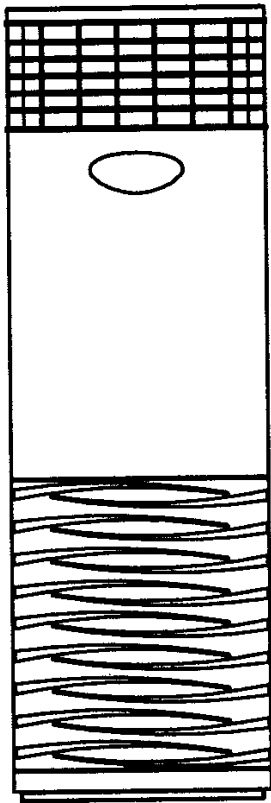


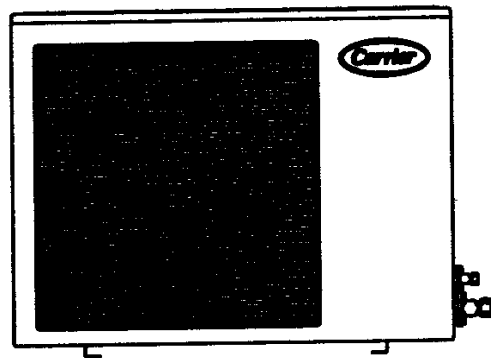
OWNER'S MANUAL



SLIM PACKAGED AIR CONDITIONER



INDOOR UNIT



OUTDOOR UNIT

Thank you very much for purchasing CARRIER Air Conditioner. Please read this owner's manual carefully before using your Air Conditioner.

PN PE630728

CONTENTS

TECHNICAL SPECIFICATIONS	3
PRECAUTIONS FOR SAFETY	4
CAUTIONS ABOUT INSTALLATION	5
CAUTIONS ABOUT OPERATION	6-7
MAINTENANCE	8-9
AIR CONDITIONER CONTROLLER	10-16
TROUBLESHOOTING GUIDE	17

TECHNICAL SPECIFICATIONS

Type		Split Type	
Model		Indoor Unit	Outdoor Unit
		ASBFE600BA	38ASB600DA
Power Supply (V-Ph-Hz)		230-1-60	230-3-60
Cooling Capacity (BtuH)		60,000	
Cooling Amps (H/M/L)		2.2 / 1.5 / 1.3	16.7
Cooling Watts (H/M/L)		475/ 345/ 290	5320
Dimensions	Width (mm)	580	937
	Height (mm)	1750	772
	Depth (mm)	430	337
Fan Speed	Hi (rpm)	1130	950
	Med (rpm)	1060	
	Lo (rpm)	930	
Air Flow	Hi (cfm)	1550	-
	Med (cfm)	1420	
	Lo (cfm)	1280	
Sound (Cooling)	Hi (dba)	60.2	-
	Med (dba)	58.1	
	Lo (dba)	55.1	
Fan Type / Qty.		FC Blower / 2	Propeller Fan / 1
Piping	Gas (mm)	19	19
	Liquid (mm)	9.5	9.5
	Type (Gas/ Liquid)	Flare/ Flare	Flare/ Flare
Net Weight (kg)		-	-

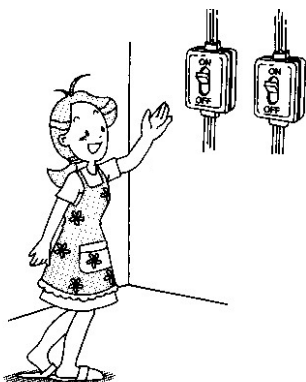
- *The specifications may be subject to change without prior notice for the purpose of improvement.
The specified air conditioning capabilities are based on the data determined under the PNS conditions:*

Air-inlet temperature degree Celcius			
Indoor Coil Assembly		Outdoor Coil Assembly	
Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb
27	19	35	27

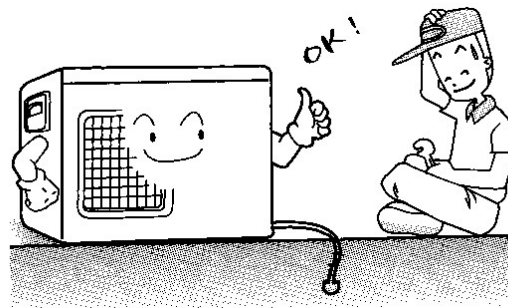
I. PRECAUTIONS FOR SAFETY



Do not attempt to install the unit by yourself.
This unit requires a qualified installer.

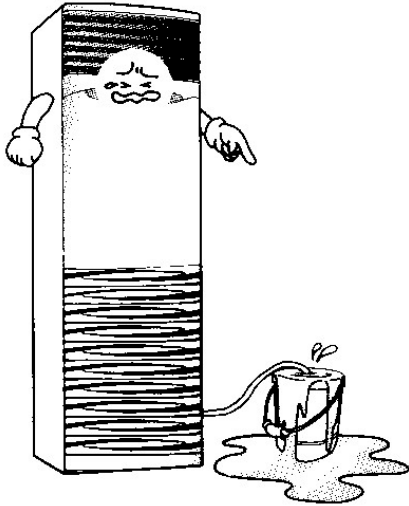


This air conditioner must be connected
to the main power supply by means of a
circuit breaker.

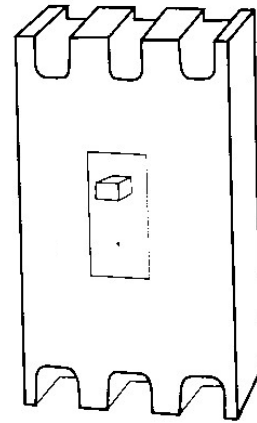


Ground the unit without fail.

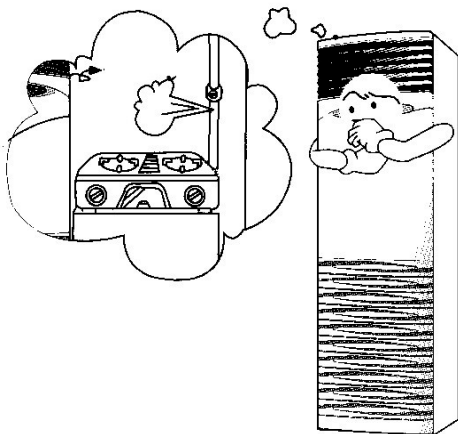
II. PRECAUTIONS ON INSTALLATION



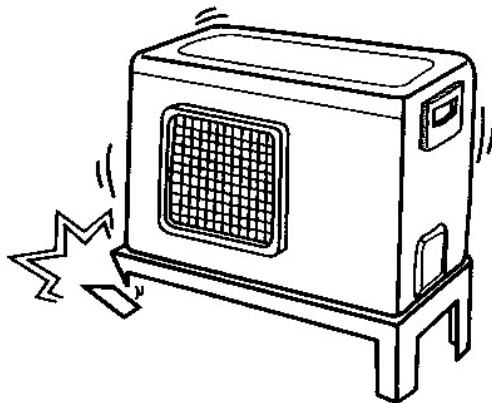
Lay the drain hose for perfect draining.



Make sure to connect the air conditioner to an exclusive power supply of rated circuit breaker and voltage.



Do not install the unit in an area where inflammable gases could leak

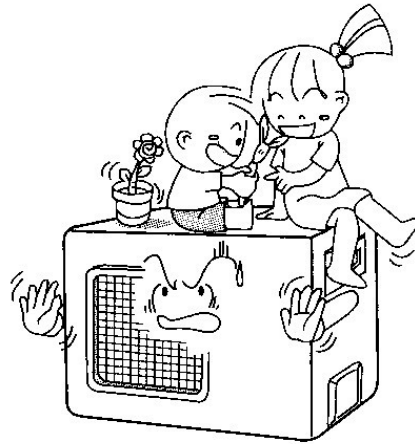


Consider the weight of the unit in constructing & selecting materials for the sub-base.

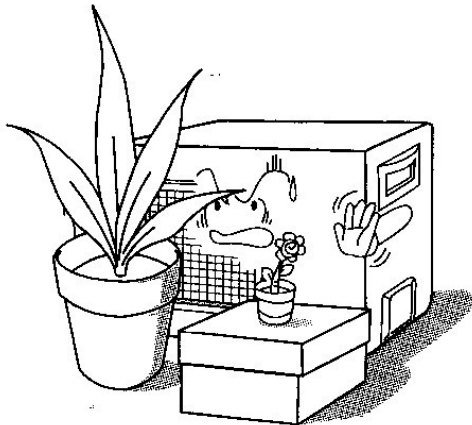
III. PRECAUTIONS ON OPERATION



When cleaning the unit, make sure to turn off the main switch



Do not put anything on the outdoor unit nor step into it. It may topple and cause an injury.

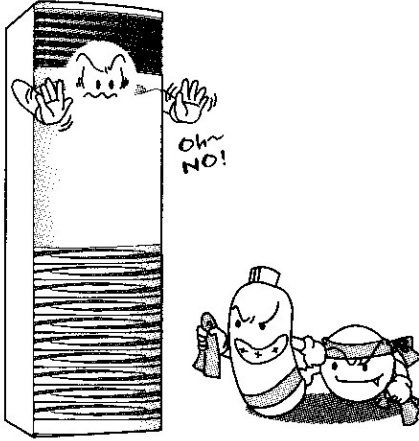


Ensure that the air outlet or inlet of the outdoor unit is not blocked.

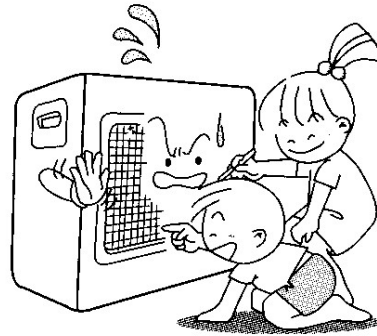


If you will not use the air conditioner for a long time, operate it at FAN mode for at least two hours to dry the inside of the unit and then turn it off. Remove the battery of the remote and turn off the main switch.

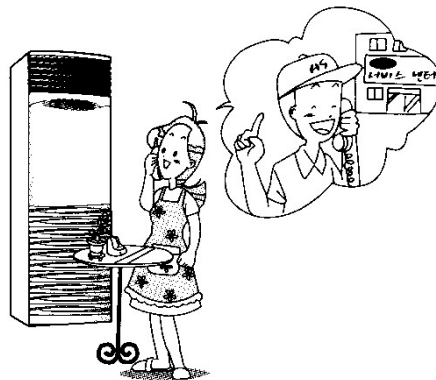
III. PRECAUTIONS ON OPERATION (CONTD.)



Do not use benzene, alcohol, thinner, for cleaning the unit. Use water, mild soap and soft cloth instead.

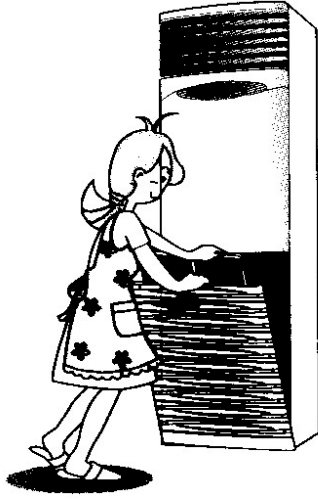


Do not insert fingers and sticks in to the air outlet and air inlet to avoid injury.

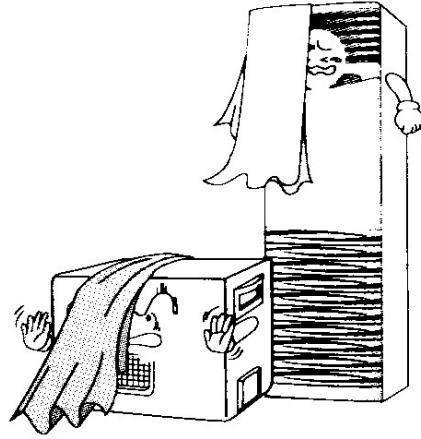


If the unit does not operate normally, immediately turn off the air conditioner and the main circuit breaker. Contact your nearest service center.

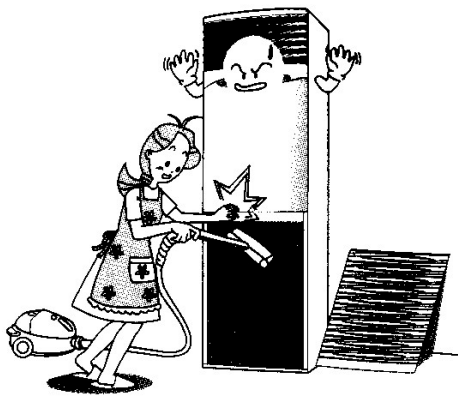
IV. MAINTENANCE



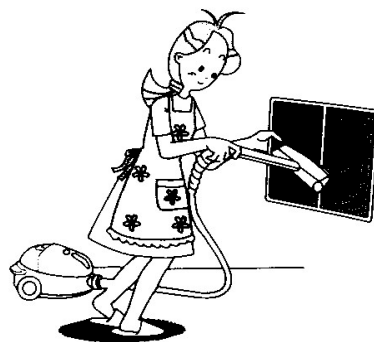
Check that the air filter is installed before turning ON the unit



Check that the air outlet & inlet of indoor and outdoor units are not blocked.

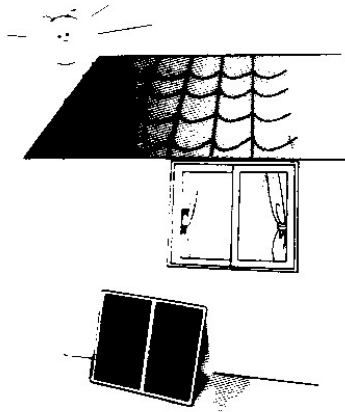


Do not clean the coil with vacuum cleaner. It can damage the coil.



Use vacuum cleaner or pressurized water to clean the air filter.

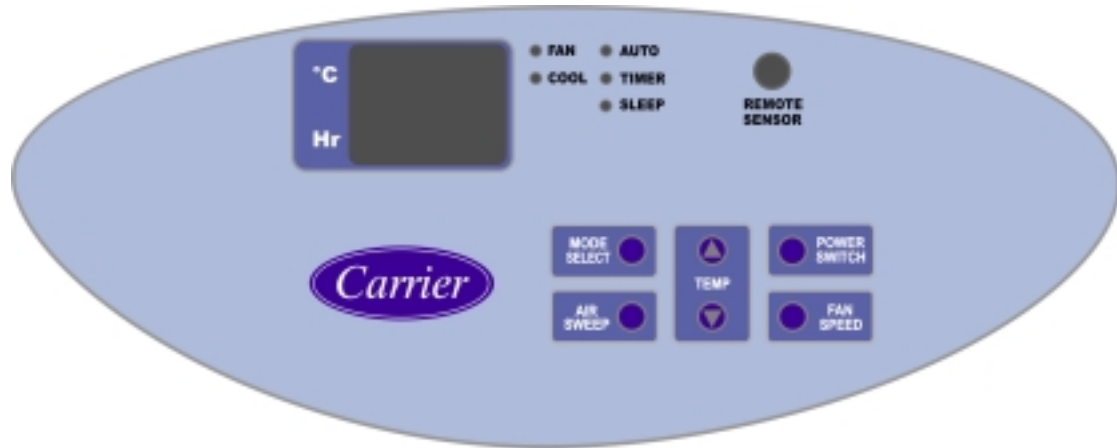
IV. MAINTENANCE (CONTD.)



Dry the filter under sunshade.

V. AIR CONDITIONER CONTROLLER

V1. The following features can be operated by the buttons on the Display unit.

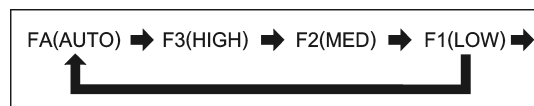


V2.1 Power on/off

Press POWER button to turn ON the air conditioner or vice versa. When turned ON, it will operate according to the last setting made by the user.

V2.2 Fan

Press FAN button to select desired fan speed (HIGH, MED, LOW or AUTO). The LCD display will show the status by blinking for 5 seconds.



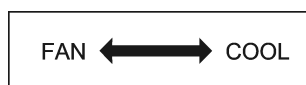
Auto fan speed

When the fan speed is set to AUTO, the AUTO LED on the Display unit will be lit. Speed is adjusted automatically according to the difference between the room temperature and setting temperature.

- If the difference is 3°C or more, fan speed is set to HIGH.
- If the difference is 2°C, fan speed is set to MED.
- If the difference is 1°C or less, fan speed is set to LOW.

V2.3 Operating mode

By pressing the MODE button, the air conditioner can be set to FAN or COOL.



V. AIR CONDITIONER CONTROLLER (CONT'D.)

V2.3.1 Fan

If the system is in FAN mode, the FAN LED on the Display unit will be lit. The system will operate as the fan only. The TEMP Δ and TEMP ∇ buttons are not used.

V2.3.2 Cool

If the system is set to COOL mode, the COOL LED on the Display unit will be lit. The system will operate as the air conditioner. The compressor will

- operate if room temperature is higher than set TEMP +1°
- stop if room temperature is less than set TEMP

However, there is a 3-minute delay protection on the compressor each time it stops.

V2.4 Temperature setting

Temperature can be set from 18 - 30°C by pressing TEMP Δ or TEMP ∇ button. The LCD Display will show the set temperature.

V2.5 Sweep

Press SWEEP button to turn the sweep motor ON or OFF.

V. AIR CONDITIONER CONTROLLER (CONT'D.)

V.3 The system can be controlled using the LCD Remote unit (OPTIONAL ITEM)

V3.1 LCD type remote (OPTIONAL ITEM)

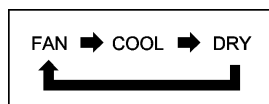
The following features can be accessed using the LCD type remote.



V3.1.1 Power ON/OFF

V3.1.2 FAN

V3.1.3 Operating mode: Press the MODE button on the LCD type remote, to operate the air conditioner in FAN, COOL or DRY modes.



FAN – no cooling. Use this mode when no further cooling is needed

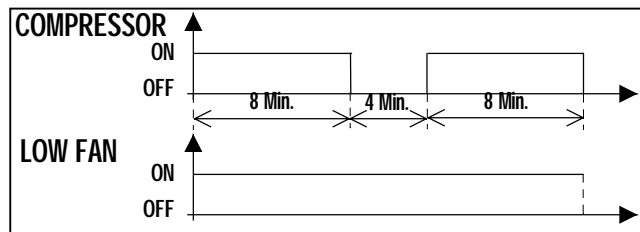
COOL – normal comfort cooling. Use this mode when temperature in the room needs to be reduced

DRY – dehumidified cooling. Use this on extremely humid days to eliminate moisture quickly. As soon as satisfactory humidity level is reached, it is recommended to switch back to COOL mode.

3.1.4

V3.1.5

V3.1.6 Sleep



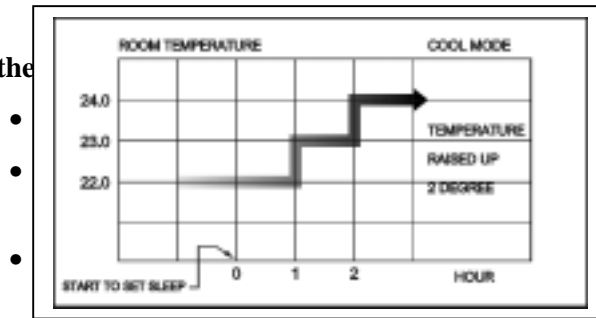
Pressing SLEEP button to activate sleep function. SLEEP LED on the Display unit will be lit. The set temperature will be automatically increased up 1°C after one hour and another 1°C in the second hour.

Temperature set

Sweep: set swee

V. AIR CONDITIONER CONTROLLER (CONT'D.)

While the






leep function.

set temperature by



the SLEEP

V3.1.7 Setting the Clock on the Remote Unit:


- Press  button until the Display shows  blinking,
- Press  button to set the time,
- Press SEND button.

NOTE: If no button is pressed within 10 seconds, LCD display will return to show setting temperature and no data will be transmitted.

V3.1.8 Auto Start: The air conditioner can be programmed to turn on at a pre-set time.



- Press  button until the display shows blinking ON,
- Press  button to set the timer-on,
- Press SEND button.

To cancel this function

- Press  button until the display shows blinking ON,
- Press CANCEL button.

NOTE: If no button is pressed within 10 seconds, LCD display will return to show setting temperature and no data will be transmitted.

V3.1.9 Auto Stop : The air conditioner can be programmed to turn off at a pre-set time.

- Press  button until the display shows blinking OFF,
- Press  button to set the timer-off,
- Press SEND button.

V. AIR CONDITIONER CONTROLLER (CONT'D.)

To cancel this function

- Press \odot button until the display shows blinking OFF,
- Press CANCEL button.

NOTE: If no button is pressed within 10 seconds, LCD display will return to show setting temperature and no data will be transmitted.

V3.2 Compressor delay protection

Each time the compressor shuts off there is a 3-minute time delay before it restarts. If power is interrupted, the control system delays compressor operation from 3-4 minutes in random manner. This ensures that air conditioning compressors in the building do not start simultaneously.

V3.3 Changing temperature display from °C to °F

Default temperature display is in °C.

Temperature display can be set to °F by pressing TEMP Δ and TEMP ∇ buttons at the same time for 5 seconds while the system is turned on.

To change display back to °C, press TEMP Δ and TEMP ∇ again.

V4.5 Self-Diagnostic Function

The control system comes with a self-diagnostic function.

If a malfunction is detected, the LED Display will show the following alarms:

rE *blinking if the room sensor is open or short circuited.*

FE *blinking if the freeze sensor is open or short circuited.*

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSES	SOLUTION
Unit does not start	Circuit breaker tripped	Reset only once. Should the unit trip again do not attempt to reset it again. Contact your Carrier service center for assistance.
Unit does not cool properly.	<ul style="list-style-type: none"> a. Air filter is dirty b. Thermostat setting is too high c. Unit on dry mode d. Unit on sleep mode 	<ul style="list-style-type: none"> a. Clean air filter. b. Reset to desired temperature. c. Switch the setting into cool mode d. Press sleep button
Condensate dripping into the room	Dirty drain pan and clogged drain line	Clean the drain pan and drain line.
No signal output from air conditioner controller	Controller's battery is weak	Replace controller with new battery of the same specs.

Concepcion Carrier Air Conditioning Company
Web Site: www.carrier.com.ph