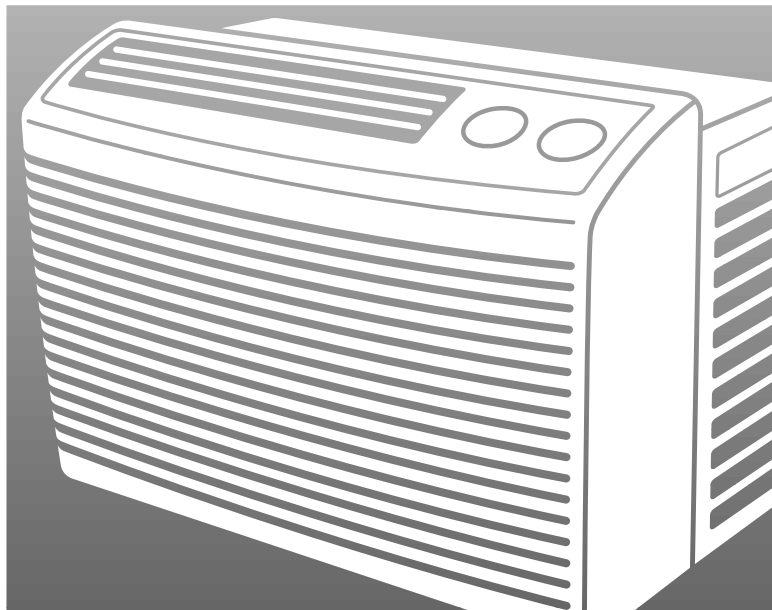




# OWNER'S INSTRUCTIONS

AW0529

## PORTABLE-TYPE ROOM AIR CONDITIONER (Cool)



## Safety Precautions

*The following safety precautions must be taken when using your air conditioner.*

---

- 1 *The power supply must be from an independent circuit.  
The air conditioner shall be installed in accordance with national wiring regulations and safety regulations wherever applicable.*

---

- 2 *Some installation locations may require installation of a short circuit breaker or grounding*

---

- 3 *If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.*

---

- 4 *MAKE sure that the unit is correctly ventilated at all times :  
do NOT place clothing or other materials over it.*

---

- 5 *NEVER spill any kind of liquid into the unit. Should this happen, unplug the unit and contact your installation specialist.*

---

- 6 *Do NOT insert anything between the air outlet blades because the inner fan may be damaged and you may be hurt. Keep children away from the unit.*

---

- 7 *Do NOT place any obstacles in front of the unit.*

---

- 8 *Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.*

---

- 9 *Do not use an extension cord with this product.*

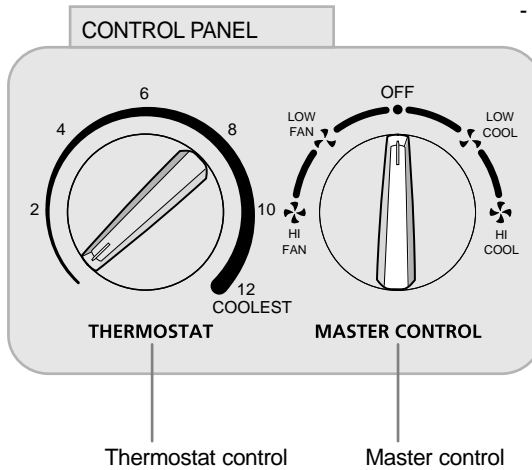
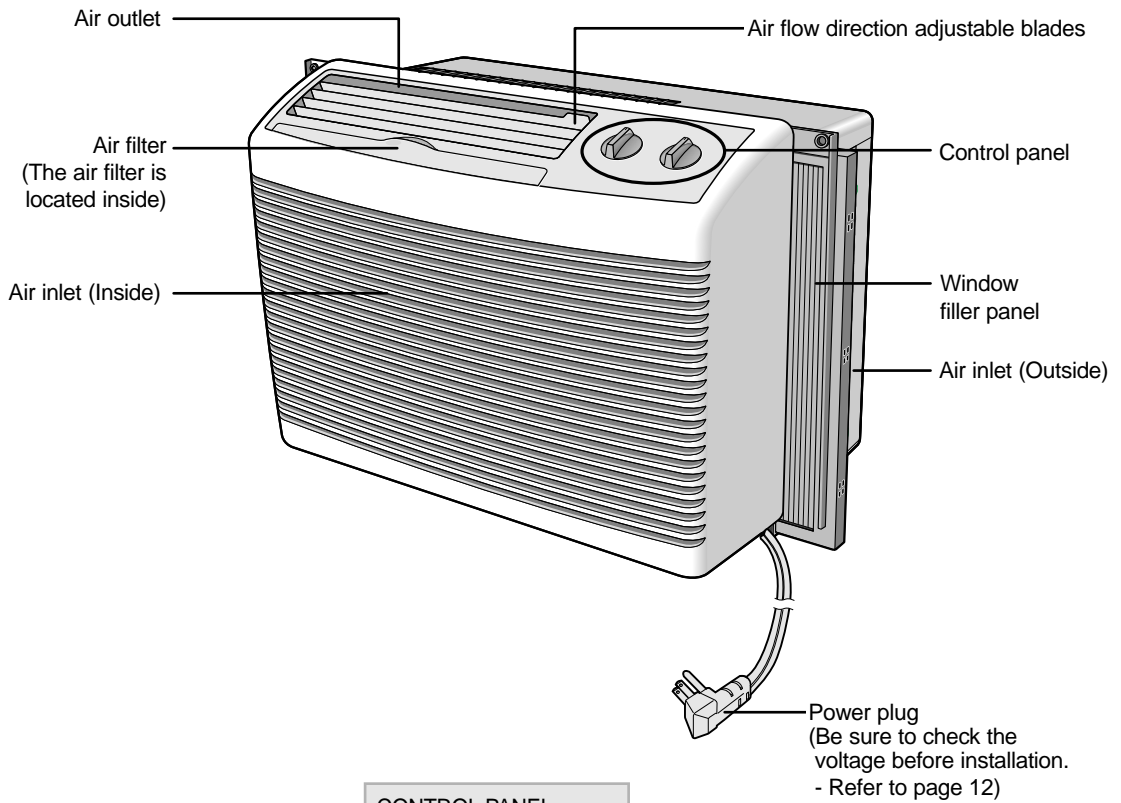
---

# Contents

---

◆ PREPARING YOUR AIR CONDITIONER	
■ Safety Precautions .....	2
■ Description of Each Component .....	4
■ Getting Started .....	5
◆ OPERATING YOUR AIR CONDITIONER	
■ Cooling Your Room .....	6
■ Airing Your Room .....	7
■ Adjusting the Air Flow Direction Vertically .....	7
◆ RECOMMENDATIONS FOR USE	
■ Power Failure .....	8
■ Temperature and Humidity Range .....	8
■ Cleaning Your Air Conditioner .....	9
■ Solving Common Problems .....	10
■ Technical Specifications .....	11
◆ INSTALLATION .....	12

# Description of Each Component



## Getting Started

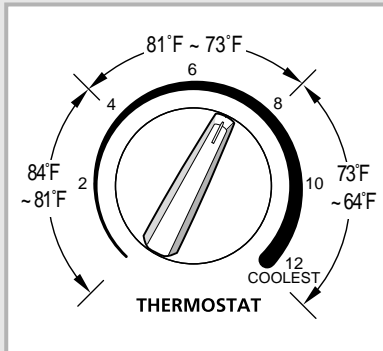
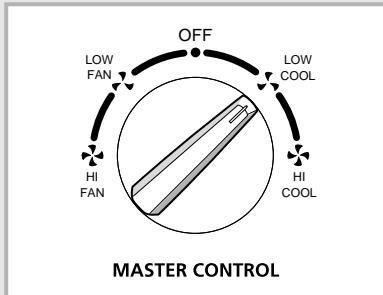
*You have just purchased a portable-type room air conditioner which should be installed according to your Owner's Instructions.*

*Your Owner's Instructions contain much valuable information on using your air conditioner. Please take the time to read them as they will help you take full advantage of the unit's features.*

*The booklet is organized as follows:*

- ◆ *The following figure is shown on page 4.*
  - *Unit**It will help you find the controllers and understand the symbols displayed.*
- ◆ *In the main part of the document, you will find a series of step-by-step instructions for each function available.*

## Cooling Your Room



*You must select the COOL mode if you wish to adjust the:*

- ◆ *Cooling temperature*
- ◆ *Fan speed when Cooling*

- 1 Turn the MASTER CONTROL, and set it to "HI COOL" or "LOW COOL".

**Result:** ◆ The air conditioner starts up in cool mode.

- Note**
- ◆ HI COOL : The fan turns rapidly.
  - ◆ LOW COOL : The fan turns slowly.
  - ◆ You can change modes at any time.

- 2 Turn the thermostat control to the desired position.

Possible temperatures: Between 64°F and 84°F inclusive.

**Result:** The air conditioner starts cooling if the room temperature is higher than the selected temperature.

- 3 To control the direction of the air flow, refer to page 7.

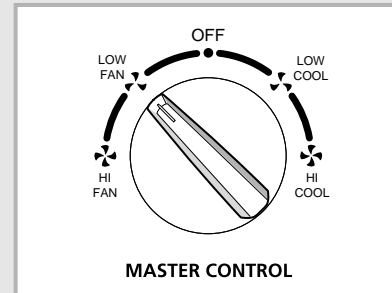
## Airing Your Room

*If the atmosphere in your room is stale, you can air the room using the Fan feature.*

- 1 Turn the MASTER CONTROL, and set it to " HI FAN " or " LOW FAN ".

**Result:** ♦ The air conditioner starts up in fan mode.

- Note**
- ♦ HI FAN : The fan turns rapidly.
  - ♦ LOW FAN : The fan turns slowly.
  - ♦ You can change modes at any time.



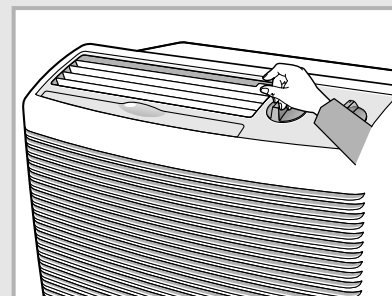
- 2 To control the direction of the air flow, refer to below.

## Adjusting the Air Flow Direction Vertically

*The air flow direction blades can be adjusted to improve the efficiency of the air conditioner.*

- 1 Hold the air flow direction adjusting blades, and adjust them in the desired direction.

- Note**
- ♦ Effective control of air flow direction. Adjust the blades to face upward for cooling.
  - ♦ When cooling the unit with the air flow direction adjustable blades facing downward for long period time, dew may form on the surface of the air flow direction adjusting blades, and water may drip from them.



## Power Failure

---

If a power failure occurs while the air conditioner is operating, it is switched off. When the power returns, the air conditioner restarts.

---

## Temperature and Humidity Range

*The following table indicates the temperature and humidity ranges within which the air conditioner can be used.*

---

If the air conditioner is used at...	Then...
Higher temperature	The automatic protection feature may be triggered and the air conditioner stopped.
Lower temperature	A water leakage or some other malfunction may happen if the heat exchanger freezes.

---

---

Mode	Indoor Temperature	Outdoor Temperature	Indoor Humidity
Cooling	70°F to 90°F approx.	70°F to 110°F approx.	80% or less If the unit is used for long periods at a high humidity level, water may condense on and drip from the surface of the air conditioner.

---

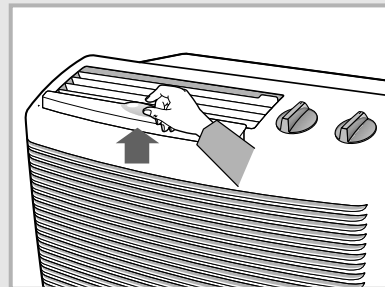


## Cleaning Your Air Conditioner

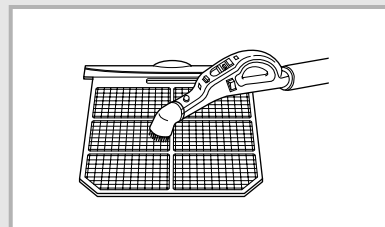
Be sure to clean the air filter periodically to maintain the air conditioner in the best condition for a long period time.

**IMPORTANT** When cleaning the air conditioner, be sure to stop operation of the system, and pull out the power plug.

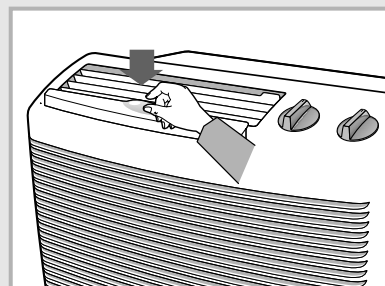
- 1 Hold the handle of the air filter and slide it up.



- 2 Remove the dust on the air filter using a vacuum cleaner and brush.



- 3 Insert the air filter into the original position.



- 4 Wipe the surface of the unit with neutral detergent and then wipe it again with dry cloth.  
(Be sure not to use benzene, solvent or other chemical products.)

**Note** *Storing the unit for a long period of time.*

- ◆ Check the cleanliness of the air conditioner.
- ◆ Set the MASTER CONTROL to "LOW FAN", and dry the inside of the air conditioner by operating it for 4 ~ 5 hours.  
(The service life of the air conditioner is lengthened when the dew formed on the heat exchanger before storage is removed.)
- ◆ Stop operating the air conditioner, and pull out the power plug.

## Solving Common Problems

*Before contacting the after-sales service, perform the following simple checks. They may save you the time and the expense of an unnecessary call.*

Problem	Explanation / Solution
The air conditioner does not operate at all.	<ul style="list-style-type: none"><li>◆ Check for any power failure.</li><li>◆ Check the voltage. (See the technical specifications)</li><li>◆ Check the power plug for disconnection.</li><li>◆ Check to see whether the MASTER CONTROL is placed in "OFF" position. (Set it to the desired position.)</li><li>◆ Check to see whether the room temperature is too low. - Refer to page 8 for details about temperature condition.</li></ul>
The air comes out smoothly, but cooling is not effective.	<ul style="list-style-type: none"><li>◆ Set the THERMOSTAT control to the desired position. - When the number on the THERMOSTAT control is high, the room temperature is controlled at a low level.</li><li>◆ Check to see whether there is any open window or leakage of cool air to the outside. - Close the window, and fill the gap.</li><li>◆ Check to see whether there is any obstacle adversely affecting the flow of the air inside and outside the room. - Remove the obstacle or change the position of the air conditioner.</li><li>◆ Check to see whether the air filter is clogged with dust or contaminated with foreign substances. - Clean the air filter.</li><li>◆ Check to see whether there is any direct sunlight facing the air conditioner. - Block the sunlight with sunshade.</li><li>◆ Check to see whether there is any electric device generating heat. - Do not use the air conditioner together with any heating device.</li></ul>

## Technical Specifications

Power Supply	Cooling Capacity	Dimensions (W X H X D)	Net Weight
115V, 60Hz	5,000 BTU/h	492 X 365 X 316 (mm)	21kg

*Design and specifications are subject to change without notice.*

# Installation

**Before installation, be sure to check the installation area for the air conditioner, and drain hose.**

## Checkpoints prior to installation

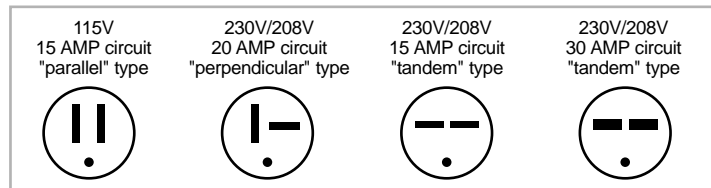
- 1 Check the cabinet and front grille of the unit for any harmful defects such as scratches.
- 2 Be sure to check the power supply.  
- Refer to the specifications on the label attached to the unit.

## Installation instructions

### 1 Electrical Requirements

For personal safety:

- ◆ This appliance must be properly grounded.
- ◆ Do not, under any circumstances, cut or remove the third grounding prong from the power cord.
- ◆ We recommend that you do not use an extension cord or an adapter plug with this appliance.
- ◆ Do not change the plug on the power cord of this appliance.
- ◆ Follow national electrical codes or local codes and ordinances.

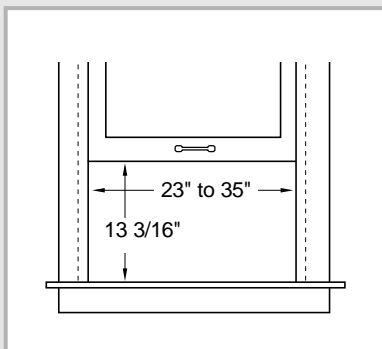


- ◆ If the electric supply provided does not meet the above specifications, call a licensed electrician.
- ◆ Aluminum house wiring may pose special problems - consult a qualified electrician.
- ◆ This unit requires a separate circuit serving only this appliance.

### 2 Window Requirements

- ◆ Standard double-hung window with actual opening width of 23" to 35".  
The installation will need to be modified for windows other than the standard double-hung type.
- ◆ Clear vertical opening of 13 3/16" minimum from bottom of sash to sill.
- ◆ Install the air conditioner in a window where there will be enough clearance around the cabinet to allow ample circulation of air through the unit.

**Note** All supporting parts should be secured to firm wood, masonry or metal.



---

**Installation of the Drain system.**

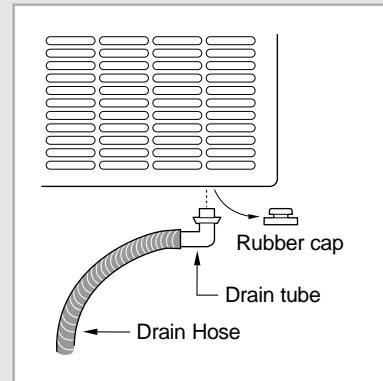
The unit does not require any separate drain system.  
However, a separate drain tube can be installed if necessary.

	<b>Cooling capacity</b>	<b>Noise</b>
<b>Drain system installed</b>	Decrease	Decrease
<b>Without drain system installed</b>	Increase	Increase

---

The procedure for installing the drain tube should be determined by the conditions of the installing area.

- 1 Remove the rubber cap inserted into the base.
  - 2 Insert the drain tube as show in the figure, and then connect the drain hose.  
(You can use any commercially - available drain hose.)
- 




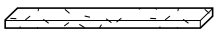

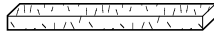




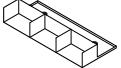
## Installation (Cont.)

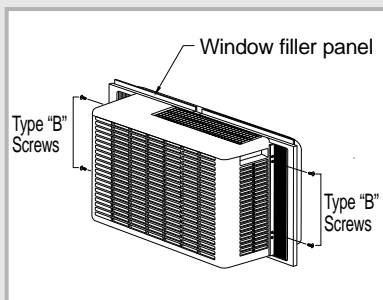
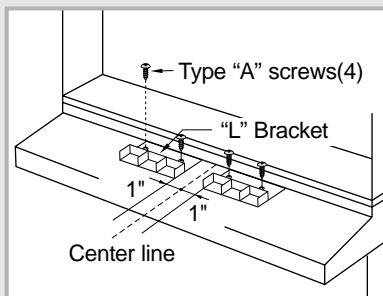
### Window installation

#### Tools needed

- ◆ Philips head screw driver
- ◆ Adjustable wrench
- ◆ Scissors
- ◆ Ruler or tape measure
- ◆ Pencil
- ◆ Leveler

#### Parts furnished

Type	Name of part	Q'ty	Type	Name of part	Q'ty
A	Long wood screw (5X16) 	10	F	Adhesive seal strip 	1
B	Screw (4X16) 	4	G	Window gasket 	1
C	Window filler panel clamp 	2	H	Window filler panel (Right) 	1
D	Window filler panel clamp 	2	I	Window filler panel (Left) 	1
E	"L" Bracket 	2			



#### 1 Installation of the "L" bracket.

- 1-1 Measure the width of sill and find the center of it. Measure 1"(25mm) on each side from the center line and put a mark on these spots.
- 1-2 Align the "L" bracket on each side of marks and mount the 4 type "A" long wood screws on each side.

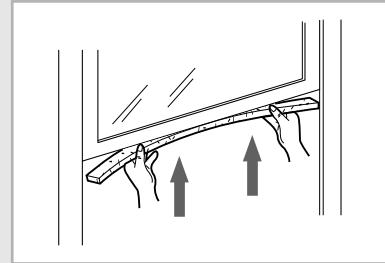
#### 2 Attach the window filler panels to the unit.

- Slide the window filler panels and their frames into the channels on the top and bottom of the unit, and assemble them to the unit using 4 type "B" screws.

**3 Attach the seal strip to the window.**

3-1 Cut the adhesive-backed foam seal strip gasket to the window width.

3-2 Remove the backing from the seal strip and attach the strip to the underside of the bottom window.



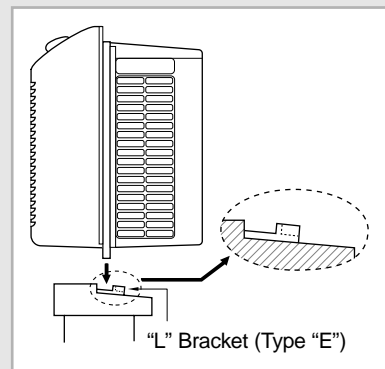
**4 Install the unit in the window.**

4-1 Lift unit into center of opened window.

Use hand grips on top sides of unit as an aid in lifting and positioning unit.

4-2 Rest bottom of unit against outside edge of inner window sill.

Be sure bottom edge of unit fits down into "L" bracket (type "E").



**5 Extend the window filler panels.**

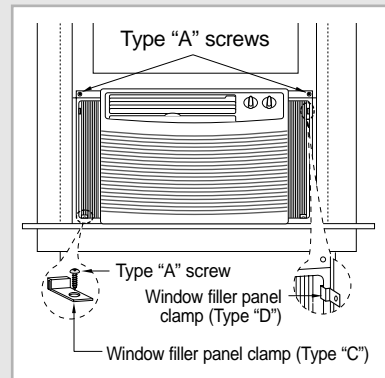
5-1 Extend the window filler panels into the window sash tracks on both sides. When the window is pulled down, the window should rest on the unit just behind the window filler panel frames.

5-2 Slide the window filler panels outward until they touch the sides of the window.

Secure the both sides of the window filler panels using the 2 type "A" wood screws provided.

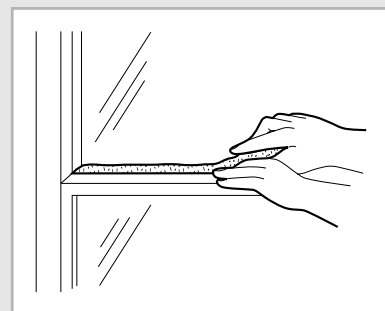
Install the 2 type "C" window filler panel clamp to each side of lower the window filler panel frame as shown in the figure by using the 2 type "A" wood screws.

Install the 2 type "D" window filler panel clamp to each side of upper the window filler panel frame as shown in the figure by using the 2 type "A" wood screws.



**6 Install the window gasket.**

Cut the foam window gasket to the window width and stuff it between the window and the glass to prevent air and insects from getting into the room.



# YOUR SAMSUNG ROOM AIR CONDITIONER WARRANTY

## Limited Warranty to Original Purchaser

Samsung will repair or replace, at our option, this product if found defective within the warranty period beginning from the original date of purchase. This Samsung Product is warranted by SAMSUNG ELECTRONICS America Inc. against manufacturing defects in materials or workmanship for the period specified.

Labor

1 Year (Carry in)

Parts

1 Year

## Limited 5-Years Compressor Warranty

Within one year of purchase Samsung Electronics America Inc. will provide a replacement compressor if it is found to be defective in material or workmanship. During the existing four years (second through fifth year) Samsung Electronics America Inc. will provide a replacement only, without charge, if it is found to be defective in material or workmanship. Labor to install the compressor during these existing four years is not included in the warranty. All warranty repairs must be performed by a Samsung Authorized Service Station.

## Obligation of the Original Owner

The original dated purchase receipt must be retained as proof of purchase and presented to the Authorized Service Station before warranty services are rendered.

## Exclusions of the Warranty

This warranty does not cover damage due to accident, fire, flood and/or other Acts of God: misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damages which occur in shipping. Exterior and interior finish and plastic parts, are not covered under this warranty, Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty. This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in America.

**SAMSUNG ELECTRONICS AMERICA INC.**  
105 Challenger Road Ridgefield Park, NJ 07660

Printed in Korea

