# USER'S INFORMATION MANUAL RPGE/RGE Series

# Gas Heating/Electric Cooling Package Unit

Save these instructions for future reference

#### Congratulations...

...your outdoor heating/cooling package unit is a valuable piece of equipment, designed and manufactured by the most modern methods. Proper care of your unit should result in many years of service and comfort.

To keep your operating costs low and to eliminate unnecessary service calls, we have provided a few guidelines. These guidelines will help you understand how your heating/cooling unit operates and how to maintain it so you can get years of safe and dependable service. Read all the instructions in this manual, and keep all manuals for future reference.

#### **GAMA** Certified

The Gas Appliance Manufacturers Association (GAMA) symbol verifies that



Annual Fuel Utilization Efficiency (AFUE) ratings for our gas package heating/cooling units have been derived from U.S. Government standard tests.



Manufactured By
ALLIED AIR ENTERPRISES, INC.
A Lennox International Inc. Company
215 Metropolitan Drive
West Columbia, SC 29170



## **A** WARNING

#### FIRE OR EXPLOSION HAZARD

Failure to follow the safety warnings exactly could result in serious injury, death, or property damage.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- What to do if you smell gas:
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach the gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

#### **TABLE OF CONTENTS**

MPORTANT SAFETY INFORMATION2	Ш
PERATING YOUR UNIT3	C
MAINTENANCE OF YOUR UNIT5	Λ
EPAIR PARTS7	F
VARRANTY8	٧

#### IMPORTANT SAFETY INFORMATION

#### **A** WARNING

# ELECTRICAL SHOCK, FIRE, OR EXPLOSION HAZARD

Failure to follow the safety warnings exactly could result in dangerous operation, serious injury, death, or property damage.

Improper servicing could result in dangerous operation, serious injury, death, or property damage.

- Before servicing, disconnect all electrical power to unit.
- When servicing controls, label all wires prior to disconnecting. Reconnect wires correctly.
- Verify proper operation after servicing.

For your safety, read the following before operating your gas heating/electric cooling package unit:

- 1. The area around the unit must be kept clear and free of combustible materials, gasoline, and other flammable vapors and liquids.
- This unit requires air for combustion and ventilation to ensure both proper and safe operation. Combustion air is brought in through the condenser section. Do not block or obstruct the condenser coil or condenser fan opening.

- This unit is equipped with an ignition device which automatically lights the burners. See OPERATING YOUR UNIT on page 3 for information on lighting and shutting down the unit.
- 4. Should the gas supply fail to shut off or if overheating occurs, shut off the gas valve to the unit before shutting off the electrical supply.
- 5. Do not use the unit if any part has been under water. A flood-damaged unit is extremely dangerous. Attempts to use the unit can result in fire or explosion. A qualified service agency should be contacted to inspect the unit and to replace all gas controls, control system parts, electrical parts that have been wet, or the unit if deemed necessary.
- 6. Examine the unit installation to determine that:
  - A. All flue gas carrying areas external to the unit, such as the vent hood, are clear and free of obstructions.
  - B. Return air duct connection(s) is physically sound and sealed to the unit casing.
  - C. Physical support of the unit is sound without sagging, cracks, gaps, etc.
  - D. There are no obvious signs of deterioration of the unit.
  - E. Burner flames are in good adjustment (see Burner Flame beginning on page 6).
- 7. It is important that you conduct a physical inspection of the unit at least twice a year. It is also recommended that the unit should be inspected by a qualified service agent at least once per year.

#### **OPERATING YOUR UNIT**

These units are equipped with an ignition device which automatically lights the burners. **Do not try to light the burners by hand.** 

**Before operating,** smell around furnace area for gas. Be sure to smell near the unit base because some gas is heavier than air and will settle to the lowest point. See **WHAT TO DO IF YOU SMELL GAS** on page 1 if the odor of gas is present.

Use only your hand to slide the gas control switch; **never use tools.** If the switch will not move by hand, don't try to repair it. Call a qualified service technician. **Force or** attempted repair may result in a fire or explosion.

#### **Lighting Instructions**

- 1. **STOP!** Read the previous safety information.
- 2. Set the thermostat to the lowest setting.
- 3. Turn off all electric power to the unit.
- 4. Remove the burner compartment access panel.
- 5. This appliance is equipped with an automatic ignition device. **Do not try to light the burners by hand.**
- 6. Turn the gas control knob, or slide the gas control switch, to "OFF" (see Figure 1).

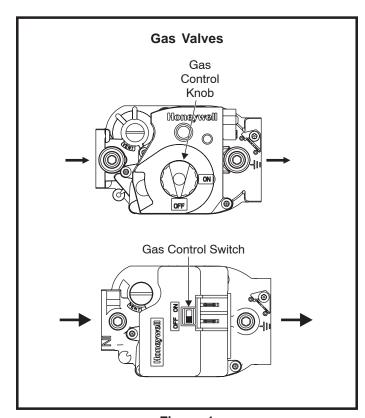


Figure 1

- 7. Wait 5 minutes to clear out any gas, then smell for gas (including at the bottom of the unit near the ground). If you smell gas, stop and follow the directions in WHAT TO DO IF YOU SMELL GAS on page 1. If you don't smell gas, continue to next step.
- 8. Turn the gas control knob, or slide the gas control switch, to "ON".
- 9. Replace the burner compartment access panel.
- 10. Turn on all electric power to the unit.
- 11. Set the thermostat to the desired setting.
- 12. If the unit will not operate, follow the instructions found below in To Turn Off Gas to Unit and call your service technician or gas supplier.

#### **Operating Sequence**

When the thermostat calls for heat, the vent motor will purge the system for 30 seconds (nominal). When the prepurge time has expired, the gas valve will open for direct ignition. When burners are lit, the flame sensor will sense flame and keep the gas valve open. If the flame sensor does not sense that a flame has been established, it will shut off the gas valve. The ignition system is designed to go through three trials for ignition. If flame still has not been established after the third trial, the system will go into lockout. After 1 hour, the system will try three more times.

If the system goes into lockout, it can be reset by turning your thermostat down or off for 10 seconds and then back to the desired point.

When the room thermostat is satisfied, the electrical circuit to the gas valve is opened and the burners are shut off.

#### Shutting Down the Unit

To shut down the unit, set the thermostat to the "OFF" position.

To Turn Off Gas to Unit

- 1. Set the thermostat to the lowest setting.
- Turn off all electric power to the unit if service is to be performed.
- 3. Remove the burner compartment access panel.
- 4. Turn the gas control knob, or slide the gas control switch, to "OFF" (see Figure 1). Do not force.
- 5. Replace the burner compartment access panel.

#### **Temperature Control**

There are many types and styles of thermostats. Yours may look different from the one shown in Figure 2. However, almost all thermostats perform the same basic functions described in the following section.

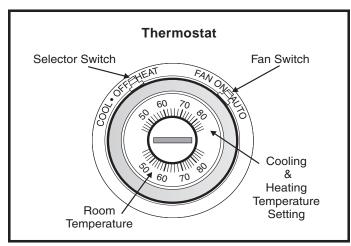


Figure 2

#### Thermostat Operation

There are two switches located on the thermostat (see Figure 2). One switch controls the heating and cooling functions. The other switch is for "FAN" operation, either continuous or automatic. On the thermostat is the temperature range for the heating temperature and the cooling temperature desired.

To put the system into operation, push the switch to either "HEAT" or "COOL" position. After choosing the type of operation, move the thermostat dial or lever to select the temperature you would like the system to maintain.

#### Fan Operation

You may wish to increase your comfort by setting your system for continuous air circulation of the indoor air. The fan switch on the thermostat permits you to do this.

With the switch in the "ON" position the fan will operate continuously. "AUTO" position gives fan operation only when the unit is in either heating or cooling.

#### **Unit Operation**

If your unit is operating but fails to provide complete comfort, check the following before calling for service:

- 1. Be sure the thermostat setting is correct.
- 2. Check to see if the filter is clean.

- 3. Be sure air can circulate freely throughout your home. Do not block supply registers or return grilles with furniture or rugs.
- 4. Keep surface of the outdoor coil free from dirt, lint, paper, or leaves.

If your unit fails to operate, check the following:

- 1. Be sure the main switch that supplies power to the unit is in the "ON" position.
- 2. Replace any burned-out fuses or reset circuit breakers.
- 3. Be sure the thermostat is properly set.

If the unit still does not start, call a qualified service technician.

#### MAINTENANCE OF YOUR UNIT

#### **▲** WARNING

Always shut off all power to the unit before attempting any of the following maintenance procedures. Failure to do so may result in personal injury.

There are routine maintenance steps you should take to keep your unit operating efficiently. This maintenance will assure longer life, lower operating costs, and fewer service calls. In addition to the maintenance procedures listed in this manual, there are also other service and maintenance procedures that require the skills of a service person who has specialized tools and training. Personal injury can result if you are not qualified to do this work. Please call your dealer when service is needed.

Your unit is designed to give many years of efficient, satisfactory service. However, the varied air pollutants commonly found in most areas can affect longevity and safety. Chemicals contained in everyday household items such as laundry detergents, cleaning sprays, hair sprays, deodorizers, and other products which produce airborne residuals may have an adverse effect upon the metals used to construct your appliance.

The cabinet of the unit can be cleaned with soap and water. Grease spots can be removed with a household cleaning agent.

It is important that you conduct periodic physical inspections of your appliance, paying special attention to the gas burners and the flue outlet. These components are located at the front of the unit. A flashlight will be useful for these inspections. Make one inspection prior to the beginning of the heating season and another during the middle.

When inspecting the flue outlet, be sure to check for evidence of black soot or blockage by leaves or other debris. Clear any blockage that is found. If any soot is found, a qualified service agency should be called should be called immediately.

During your periodic inspections, check for obvious signs of deterioration of the unit. Check that the return and supply ducts attached to the unit are sound and airtight. Check that the unit's physical support and concrete slab or roof curb is sound and not in need of repair. Make sure there are no gaps between the roof curb and the unit where rain could leak in. Snow or debris should not be allowed to accumulate in or around the unit.

As part of your inspection, you should start the unit. The vent motor should start and purge the system for 30 seconds. After the prepurge time, the burners should ignite.

If the burner does not ignite, contact a qualified service technician for assistance.

Should you observe unusual amounts of any of the following conditions, it is important that you call your authorized dealer at once to obtain a qualified service inspection:

- · Rust, flakes, or other deposits
- Coatings
- Corrosion

Even if no unusual rust or other conditions are observed, it is recommended that the unit be inspected and serviced at least once per year by a qualified service technician. Regular inspections and planned maintenance will assure many years of economical performance from your unit.

#### Combustion and Ventilation Air

This unit requires air for combustion and ventilation to ensure both proper and safe operation. Combustion air is brought in through louvers near the top of the right side panel. Do not block or obstruct these louvers.

#### **▲** WARNING

Adequate combustion and ventilation air must reach the unit to provide for proper and safe operation. Air openings must be kept free of obstructions. Do not permit overhanging structures or shrubs to obstruct condenser air discharge, combustion air inlet, or vent outlet. Any obstruction may cause improper operation that can result in a fire hazard or carbon monoxide injury.

#### Venting and Unit Support

Venting of this unit must comply with the unit Installation Instructions. Be sure the installer has followed these requirements. If not, you should request the installer to comply as soon as possible.

Make sure the vent terminal is clear and free of any obstruction. For proper venting terminations, see the Installation Instructions furnished with the unit.

Check to see that the unit cabinet is sound and firmly supported, without sagging. There should be no cracks or gaps.

It is important that the outside area where the vent terminates is kept clear of any obstructions which might block or impede the venting of the unit. Screens in vent terminals should be cleaned periodically. Should venting become blocked at anytime, your unit is equipped with a special safety control to prevent operation of the unit until the condition has been

Contact your dealer if you desire more information about this important safety feature.

Should any unusual conditions be observed during your inspections, call an authorized service dealer immediately.

#### Return Air

All return air duct connections must be tight and sealed to unit cabinet. Supply and return air registers must be open when the unit is in operation. Obstructions must not be allowed to block airflow in or out of the registers.

#### **Filters**

Air filters are to be used with this heating/cooling unit. Filters are not factory supplied in the unit. However,

Minimum	Required	Surface	Area		
for Disposable Filters					

Nominal Cooling	Filter Area (sq.ft.)
24,000	2.67
30,000	3.33
36,000	4.00
42,000	4.67
48,000	5.33
60,000	6.67

Table 1

the return air compartment includes provisions that allow filters to be installed within the unit. Otherwise, a filter must be installed in the duct work by the installer. Filters must always be installed ahead of the evaporator coil and must be kept clean or replaced. Dirty filters will reduce the airflow of the unit. Filters should be sized in accordance with Table 1.

#### **Outdoor Coil**

Leaves and other large obstructions should be carefully removed from the outdoor coil surfaces without damaging the fin surface of the coil.

#### Lubrication

Lubrication of the bearings in the circulating air blower motor and the combustion blower motor is not recommended.

#### **Blower Assembly**

Even with good filters properly in place, blower wheels and motors will become dust laden after long months of operation. The entire blower assembly should be inspected annually. If the motor and wheel are heavily coated with dust, they can be brushed and cleaned with a vacuum cleaner.

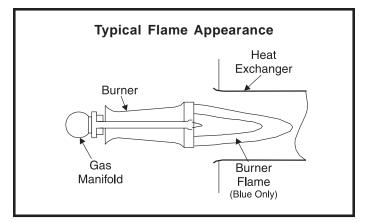


Figure 3

#### **Burner Flame**

While the unit is in operation, observe the burner flames. Compare these observations to Figure 3 to determine if proper flame adjustment is present. If your observations indicate improper flame adjustment, call your authorized service dealer for service. **Do not attempt to adjust flame!** Your service representative will perform this adjustment correctly.

#### **Rollout Switch**

This unit is equipped with a manual reset high temperature sensor or rollout switch. In the unlikely event of a sustained burner flame rollout, the rollout switch will shut off the flow of gas by closing the gas valve. The switch is located inside the gas burner area. Flame rollout can be caused by blockage of the power vent system, a blocked heat exchanger, or improper gas pressure or adjustment. If this event occurs, the unit will not operate properly. The gas supply to the unit should be shut off and **no attempt should** be made to place it in operation. The system should be inspected by a qualified service technician.

#### **REPAIR PARTS**

The following repair parts are available from your local distributor. When ordering parts, include the complete unit model number and serial number which are printed on the rating plate located on the unit.

#### **Gas Control Group**

Manifold Orifice
Spark electrode Ignition wire
Burner Gas valve
Flame sensor

#### **Heat Exchanger Group**

Heat exchanger Flue cover

Burner box

#### **Blower Group**

Blower assembly Blower wheel Blower housing Capacitor Blower motor Blower cutoff

#### Inducer Group

Pressure switch Inducer blower and motor

#### **Electrical Group**

Limit switch Transformer
Fan control board Rollout switch
Ignition control

#### **Cooling Group**

Compressor Coil
Fan motor Drain pan
Fan blade Contactor

# Owner Record Model # \_\_\_\_\_\_ Serial # \_\_\_\_\_\_ Installation Date \_\_\_\_\_\_ Installed by: Dealer \_\_\_\_\_\_ Address \_\_\_\_\_ Telephone # \_\_\_\_\_\_ License # \_\_\_\_\_\_

#### **ALLIED AIR ENTERPRISES EQUIPMENT LIMITED WARRANTY**

#### APPLIES IN U.S.A. AND CANADA ONLY

#### FAILURE TO MAINTAIN YOUR EQUIPMENT WILL VOID THIS WARRANTY

#### COVERED EQUIPMENT

The following Allied Air Enterprises heating and cooling equipment is covered by the Limited Warranty,

Condensing Units: 2SCU13, 4SCU13, 4SCU14, 4SCU16, 4SCU18, 2AC13, 2AC14, 4AC13, 4AC14 Heat Pumps: 2SHP13, 4SHP14, 4SHP14, 4SHP16, 4SHP18, 2HP13, 2HP14, 4HP13, 4HP14 Gas Furnaces: G1N80, G1D80, G2D80, G1D91, G1D93, G2D93, G2D95, FPBB, CG80, CG90, CG92, CG93, CG95

Oil Furnaces: LBR80, LBF80, LHF80, LUF80, LHR80, RLUF, RLBF, RLBU, RLHF, RLHR

Electric Furnaces: EFC, EFV Evaporator Coils: EC, EU, EH, EM Air handlers: BCS2 RBCS2

Package Equipment: 2PCE13, 4PCE15, 4PCE15, 2PGE13, 4PGE15, 2PHP13, 4PHP13, 4PHP15, 2SG13, 2SA13, RGE13, RPGE13, RHP13, RCE13, RPDE13, RPCE13

#### PARTS and COMPRESSOR COVERAGE

The covered equipment, parts and compressor are warranted by Allied Air for a period of five (5) years from the date of the original installation, when installed in a residential application (which includes homes, duplexes, apartments and condominiums). For non-residential applications, the covered equipment and parts are warranted for a period of one (1) year and compressor is warranted for five (5) years from the date of the original installation. If, during this period, a covered component fails because of a manufacturing defect, Allied Air will provide a free replacement part to the owner through a licensed service contractor utilizing an Allied Air distributor. The purchaser must pay shipping charges and all other costs of warranty service. Allied Air will not pay labor involved in diagnostic calls or in removing, repairing, servicing or replacing parts. Such cost may be covered by a separate warranty provided by the installer.

#### HEAT EXCHANGER EXTENDED COVERAGE

All covered heat exchangers are warranted by Allied Air for a period of twenty (20) years from the date of original installation, when installed in a residential application. Heat exchangers in all non-residential applications are warranted for a period of ten (10) years.

Heat Exchanger Availability: If a replacement heat exchanger is no longer available for a unit covered by this Limited Warranty, Allied Air will allow a credit toward the purchase of an equivalent Allied Air furnace (at the current suggested distributor's cost).

NOTE: If the date of original installation cannot be verified, the warranty period will be deemed to begin ninety (90) days after the date of manufacture.

#### **EXCLUDED COMPONENTS**

The following components are expressly not covered by this Limited Warranty: cabinets, cabinet pieces, air filters, driers, refrigerant, refrigerant line sets, belts, wiring, fuses, oil nozzles, unit accessories and any parts not affecting unit operation

#### CARE OF EQUIPMENT

All new Allied Air units must be properly installed, operated and maintained in accordance with the unit installation, operation and maintenance instructions provided with each Allied Air unit. Failure to maintain the equipment per Allied Air instructions will void this Limited Warranty.

#### WARRANTY PROCEDURE

When service or warranty parts are required:

- Call a local licensed service dealer or contractor.
- If the installing dealer is unable to provide warranty service, check online at www.alliedair.com.
- Be prepared to furnish the following information:
- a. complete model and serial number;
- b. proof of required periodic maintenance, installation date and location; and
- c. an accurate description of the problem.

#### WARRANTY LIMITATIONS

- This Limited Warranty is void if the covered equipment is removed from the original installation site.
- This Limited Warranty does not cover damage or defect resulting from:
  - a. flood, wind, fire, lightning, mold, or installation and operation in a corrosive atmosphere, or otherwise in contact with corrosive materials (chorine, fluorine, salt, recycled waste water, urine, fertilizers, or other damaging substances or chemicals); accident, or neglect or unreasonable use or operation of the equipment including operation of electrical equipment at voltages other than the range specified on the unit nameplate (includes damages caused by brownouts);
  - b. modification, change or alteration of the equipment, except as directed in writing by Allied Air;
  - c. operation with system components (indoor unit, outdoor unit and refrigerant control devices) which are not an ARI match or meet the specifications recommended by Allied Air; d. operation of furnaces with return air temperatures of less than 60°F (16°C) or operation of a furnace field installed downstream from a cooling coil; and
- e. use of contaminated refrigerant or refrigerant not compatible with the unit.

The installation of replacement parts under the terms of this Limited Warranty does not extend the original warranty period.

Allied Air makes no express warranties other than the Limited Warranty specified above. All implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are excluded to the extent legally permissible. Should such exclusion or limitation of this Limited Warranty be unenforceable, such implied warranties are in any event limited to a period of one (1) year. Liability for incidental and consequential damages is excluded. Some states do not allow limitation of incidental damages, so these limitations or exclusions may not apply to you. Allied Air will not pay electricity or fuel costs, or increases in electricity or fuel costs, for any reason whatsoever, including additional or unusual use of supplemental electric heat. This Limited Warranty does not cover lodging expenses or labor charges.

Allied Air shall not be liable for any default or delay in performance under this Limited Warranty caused by any contingency beyond its control.

This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state

#### NOTE TO CUSTOMER:

Please complete information below and retain this warranty for your records and future reference.

Outside Unit Model Number:	Serial Number:	Installed Date:
Furnace / Air Handler:	Serial Number:	Installed Date:
	Serial Number:	Installed Dare:
Indoor Coil Model Number:		Installed Dare:
Installing Company Name:	Phone:	
Installing Company Address:	State/Province:	Zip/Postal Code:

215 Metropolitan Drive - West Columbia - SC - 29170 © 2008 Allied Air Enterprises Litho U.S.A. FORM W-2008-2 (9/25/2009)

#### 5-YEAR LIMITED EXTENDED PARTS WARRANTY

Allied Air Enterprises Inc. ("Allied Air") provides its air conditioning and heating products with a Standard Limited Parts Warranty for five (5) years. This additional 5-Year Limited Extended Parts Warranty is in addition to and is intended to supplement Allied Air's Standard Limited Parts Warranty. As such, Allied Air provides for a total of 10-years of limited warranty coverage (Standard Limited Parts Warranty plus additional 5-Year Limited Extended Parts Warranty).

This 5-Year Limited Extended Parts Warranty applies only to the original purchaser of the equipment and cannot be transferred. If during the coverage period, a covered part fails because of a defect in materials or workmanship under normal use and maintenance, Allied Air will provide a free replacement part to the purchaser through a licensed service contractor utilizing an authorized Allied Air distributor. The purchaser must pay shipping costs and all other costs of warranty service. Allied Air will not pay labor involved in diagnostic calls or in removing, repairing, servicing or replacing parts.

#### **EXTENDED COVERAGE -**

#### PARTS/COMPRESSORS

Covered equipment and parts are warranted by Allied Air for a total of 10 YEARS (Standard Limited Parts Warranty) from installation, except as provided below

#### **HEAT EXCHANGERS**

Covered residential heating equipment's heat exchanger is warranted by Allied Air for a LIMITED LIFETIME from date of original installation, except as provided below.

#### **EXCLUDED COMPONENTS -**

The following components are expressly not covered by this 5-Year Limited Extended Parts Warranty: cabinets, cabinet pieces, air filters, driers, refrigerant, refrigerant line sets, belts, wiring, fuses, oil nozzles, unit accessories, R-22 compressors, and any parts not affecting unit operation.

#### REQUIREMENTS FOR EXTENDED COVERAGE-

- 1. The unit is an Armstrong Air, Air ease, Ducane, or Concord branded unit;
- 2. The unit is installed in a residential application, which is an owner-occupied single-family residence. No commercial applications are allowed;
- 3. The unit is properly registered at <a href="www.alliedair.com">www.alliedair.com</a> with Allied Air within 60-days after the original date of installation or occupancy. To register, follow the directions and complete the online warranty registration at <a href="www.alliedair.com">www.alliedair.com</a>. For customer inquiries, contact Allied Air at 1-800-448-5872.
- 4. The unit is part of a complete ARI matched system and installed by a state certified or licensed contractor in accordance with the unit installation, operation, and maintenance instructions provided with the unit.
- 5. Coils and air handlers are covered only when they are branded Armstrong, AirEase, Ducane, Concord or ADP and are purchased and newly installed as a system along with a qualifying unit. Except for ADP-branded products, coverage of other third party coils and air handlers are specifically excluded from this 5-Year Limited Extended Parts Warranty.
- 6. Installation of the unit takes place on or after October 3, 2008.

If this 5-Year Limited Extended Warranty does not apply, then parts are warranted under the Standard Limited Parts Warranty for a period of **5 YEARS** and heat exchangers for **20 YEARS**. If the Standard Limited Parts Warranty periods differ from the original warranty certificate, the periods stated on the original warranty certificate apply.

This 5-Year Llimited Extended Parts Warranty does not apply to, and no warranty is offered by Allied Air, on any unit ordered over the internet. Proof of purchase may be required.

Any part replaced pursuant to this 5-Year Limited Extended Parts Warranty is warranted only for the unexpired portion of the limited extended warranty term remaining for the original part. The installation of replacement parts under the terms of this 5-Year Limited Extended Parts Warranty does not extend the warranty period.

#### Steps for obtaining replacement parts under this 5-Year Limited Extended Parts Warranty:

If you suspect a defect in your equipment, please contact the installer of the unit to obtain assistance. If unsuccessful, please contact an Allied Air dealer or distributor in your area. If unable to obtain local assistance, refer to Allied Air's website (<a href="www.alliedair.com">www.alliedair.com</a>) or contact Allied Air at 800-448-5872.

Allied Air is specifically not responsible for:

- 1. Damage or repairs required as a result of flood, fire, wind, lightening strike (to the home or unit), corrosive atmosphere, contact with corrosive material (chlorine, fluorine, salt, recycled waste water, fertilizers or other damaging substances) or other conditions beyond the control of Allied Air;
- 2. Use of parts, accessories, or refrigerant not compatible with the unit;
- 3. Modification, change or alteration of the unit, except as expressly directed in writing by Allied Air;
- 4. Improper use, accident, neglect or unreasonable use or operation of the unit, including operation of electrical equipment at voltages other than the range specified on the unit nameplate:
- 5. Operation with system parts (indoor unit, outdoor unit and refrigerant control devices) which are not ARI matched or do not meet the specifications recommended by Allied Air:
- 6. Damage or repairs required as a consequence of faulty or installation or application;
- 7. Normal maintenance as described in the installation and operating manual, such as cleaning of coils, filter cleaning and/or replacement and lubrication; and
- 8. Changes in the appearance or sound of the unit that do not affect its performance.

This 5-Year Limited Extended Parts Warranty is an extension of Allied Air's Standard Limited Parts Warranty. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE TERM OF THIS LIMITED EXTENDED WARRANTY. Some states and provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

ALLIED AIR SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO EXTRA UTILITY EXPENSES OR DAMAGES TO PROPERTY. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you

The parties intend this writing as a final expression of their agreement with respect to warranties. Allied Air makes no other warranty beyond that which is expressly contained in this writing.

Allied Air shall not be liable for any default or delay in performance under this warranty caused by any contingency beyond its control, including the unavailability of replacement parts.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

### **NOTES**