

## A Guide To Operating and Maintaining Your Single-Package Heat Pump Unit

### WELCOME TO EFFICIENT YEAR-ROUND COMFORT


Congratulations on your excellent choice and sound investment in year-round home comfort!

Your new heat pump represents both the latest in engineering development and the culmination of many years of experience from one of the most reputable manufacturers of comfort systems.

Your new unit is among the most energy-efficient and reliable heat pump products available today. To assure its dependability, spend just a few minutes with this booklet now. Learn about the operation of your heat pump, and the small amount of maintenance it takes to keep it operating at its peak efficiency.

With minimal care, your new heat pump will provide you with year-round home or office comfort—both now and for years to come.

### SAFETY CONSIDERATIONS

Recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **would** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

#### **WARNING**

**Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause serious injury, death or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product.**

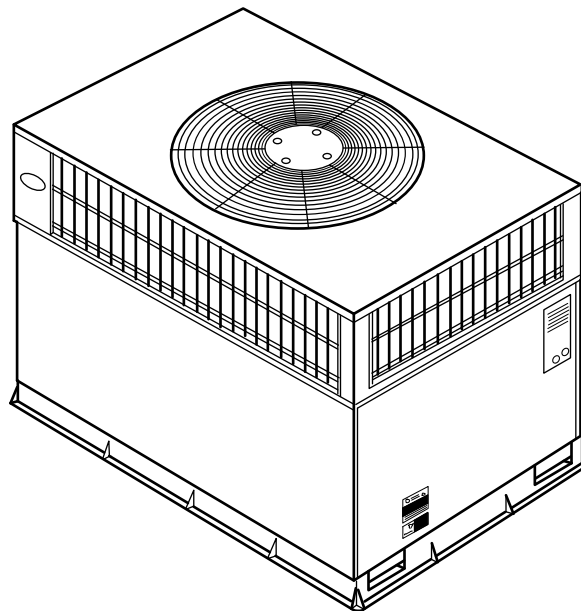


Fig. 1—50JS/JX Unit

**NOTE TO INSTALLER: THIS MANUAL SHOULD BE LEFT WITH THE EQUIPMENT USER.**

## ⚠ WARNING

To prevent serious injury, death, or property damage, read and follow all instructions and warnings, including labels shipped with or attached to unit before operating your new heat pump.

## YOUR COMFORT SYSTEM

### Identifying Your System

Take the time to familiarize yourself with your packaged heat pump system. This knowledge will be of use in understanding the basic operation of your new heat pump.

The unit has a rating plate affixed to it which provides necessary information for specific identification of a unit. You should familiarize yourself with the product, model, and serial numbers listed on each rating plate. Record them for future reference on the last page of this booklet.

### IMPORTANT FACTS

To better protect your investment and to eliminate unnecessary service calls, familiarize yourself with the following facts:

- Your heat pump system should never be operated without a clean air filter properly installed. Plan to inspect the filter periodically. A clogged air filter will increase operating costs and shorten the life of the unit.
- Supply-air and return-air registers should not be blocked. Drapes, furniture, and toys are some of the items commonly found obstructing registers. Restricted airflow lessens the unit's efficiency and life span.
- The outdoor unit must have unrestricted airflow. Do not cover the unit, lean anything against it, or stand on it. Do not allow grass clippings, leaves, or other debris to accumulate around or on top of the unit. Maintain a 12-in. minimum clearance between the outdoor unit and tall grass, vines, shrubs, etc.
- Your multipurpose indoor thermostat is the control center for your heat pump system. You should familiarize yourself with its proper operation. Attempting to control the system by other means—for instance, switching the electrical supply power ON and OFF—may cause damage to the unit. (See Fig. 3.)
- During heating, increasing the thermostat setting more than 2° may cause the supplemental heaters to be turned on for a short period of time to satisfy the thermostat. Needless use of the supplementary heat reduces potential energy savings.
- You may find that you can maintain greater personal comfort by running the fan continuously. "Air pockets" can form due to the structure of your home or office, placement of registers, etc. These air pockets may be too cool or warm for your liking. Continuous fan operation minimizes any temperature differences. Also, systems equipped with electronic or mechanical air cleaners and/or humidifiers offer the added benefits of having the air continuously cleaned year-round and humidified during the winter season.
- A system equipped with a heat or energy recovery ventilator offers the advantage of exhausting stale air from your home or office and allowing fresh air in from the outdoors while minimizing heat loss.
- Your system may also be equipped with a zoning system

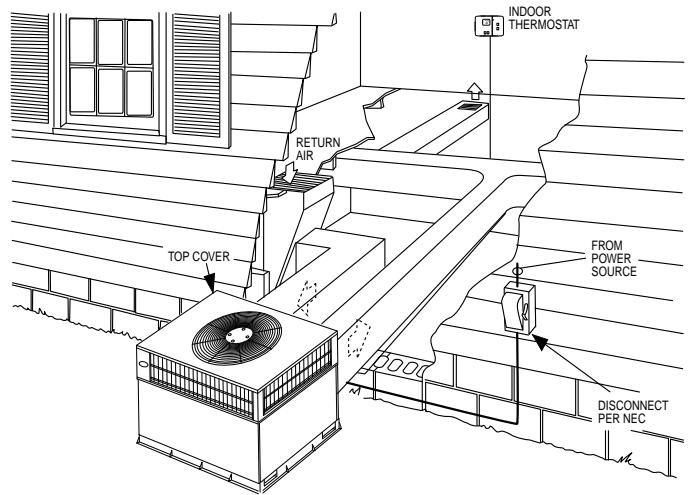


Fig. 2—Typical Installation

which allows individual control over the temperatures of separate areas of your home or office.

- Your heat pump will remove humidity from your home or office during the cooling season. After a few minutes of operation, you should be able to see water trickle from the condensate drain. Check this occasionally to be sure the drain system is not clogged. Of course, don't expect to see much drainage if you live in a very dry environment.
- During the heating cycle, air from your registers may seem cooler than you might first expect. This is because your heat pump delivers a constant flow of air at around 90°F to 105°F instead of sudden bursts of hot air as with a conventional furnace. This air may feel cool because it is slightly cooler than your skin temperature. However, it is sufficiently warm to keep you comfortable.
- Ice or frost will tend to form on the coil during the winter heating operation. Your heat pump is designed to automatically melt the ice. When in this defrost cycle, it is normal for steam or fog to rise from the outdoor unit. Do not be alarmed!
- Do not operate your unit in the cooling mode when outdoor temperatures are below 55°F unless your unit was modified for low-ambient operation.
- Do not operate your unit in the heating mode when outdoor temperatures are above 66°F unless you set your thermostat to emergency heat mode.

### OPERATING YOUR HEAT PUMP

The operation of your heat pump system is controlled by the indoor thermostat. You simply adjust the thermostat and it maintains the indoor temperature at the level you select. Most thermostats for heat pump systems have 3 controls: a temperature control selector, a FAN control, and a SYSTEM or MODE control. Refer to your T-stat owner's manual for more information.

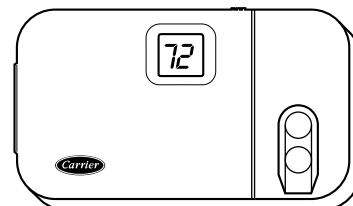


Fig. 3—Carrier Non-Programmable T-stat

## COOLING MODE

When operating in cooling mode, your heat pump will run in cooling mode until the indoor temperature is lowered to the level you have selected. On extremely hot days, your heat pump will run for longer periods at a time and have shorter “off” periods than on moderate days.

The following are typical conditions that add extra heat and/or humidity to your home or office. Your heat pump will work longer to keep your home or office comfortable under these conditions:

- Entrance doors are frequently opened and closed
- Laundry appliances are being operated
- A shower is running
- More than the usual number of people are present in the home or office
- More than the normal number of electric lights are in use
- Drapes are open on the sunny side of the home or office

## HEATING MODE

With the SYSTEM or MODE control of your indoor thermostat set to HEAT, your heat pump will run in heating mode until room temperature is raised to the level you have selected. Of course, your heat pump will have to operate for longer periods to maintain a comfortable environment on cooler days and nights than on moderate ones.

## SUPPLEMENTAL HEAT

Your heat pump is your primary heating source. Your system may also be equipped with a supplemental heating source such as electric heat. On cold days and nights, your system will automatically turn on the supplemental heat in order to maintain the level of comfort you have selected.

When your heat pump needs additional heat to keep you comfortable, your Carrier electronic thermostat will turn on the supplemental heat (if equipped) and will display the “AUX HT” message.

## DEFROST MODE

When your heat pump is providing heat to your home or office and the outdoor temperature drops below 45°F, moisture may begin to freeze on the surface of the coil. If allowed to build up, this ice would impede airflow across the coil and reduce the amount of heat absorbed from the outside air. So, to maintain energy-efficient operation, your heat pump has an automatic defrost mode.

The defrost mode starts at a preset time interval of 90 minutes, although, it may be reset to either 30 or 50 minutes. Defrost will start at the preset time only if the ice is sufficient to interfere with normal heating operation.

After the ice is melted from the coil, or after a maximum of 10 minutes in defrost mode, the unit automatically switches back to normal heating operation.

Do not be alarmed if steam or fog appears at the outdoor unit during defrost mode. Water vapor from the melting ice may condense into a mist in the cold outside air.

During certain weather conditions such as heavy snow and freezing rain it is not uncommon for ice to build up on the unit grille. This is normal for these weather conditions. Do not attempt to remove the ice from the unit grille. This condition will not affect the proper function of the unit and will clear within a few days.

## EMERGENCY HEAT MODE

This allows your supplemental heating source to keep your home or office warm until your heat pump can be serviced. Also, if the electricity to your heat pump has been off for more than 30 minutes, switch your thermostat to EHEAT mode before restarting your heat pump. Leave the system in EHEAT mode for an amount of time equal to the power outage. It is not necessary to exceed 12 hrs. (If your cannot determine how long the power has been off, leave the system in EHEAT mode for 8 hrs.)

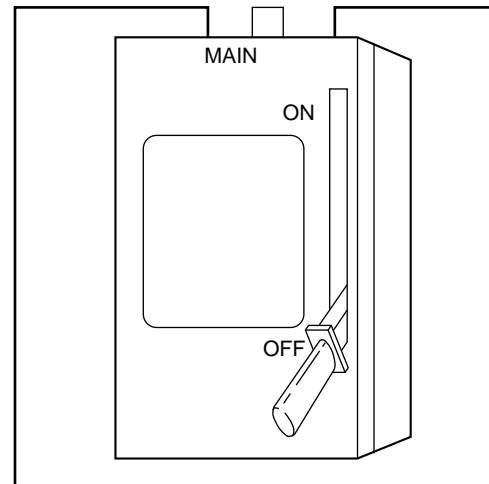


Fig. 4—Main Electrical Disconnect

## PERFORMING ROUTINE MAINTENANCE

With the proper maintenance and care, your heat pump will operate economically and dependably. Maintenance can be accomplished easily by referring to the following directions. However, before performing maintenance, consider these important safety precautions:

### ⚠ WARNING

**Disconnect all electrical power to the indoor air handler or furnace before removing access panels to perform any maintenance. Disconnect power to the unit. Note: There may be more than 1 electrical disconnect switch. Electrical shock could cause severe injury or death.**

### ⚠ CAUTION

**Although special care has been taken to minimize sharp edges in the construction of your unit, be extremely careful when handling parts or reaching into the unit.**

## CHECK THE AIR FILTER

A dirty air filter will cause excessive strain on the compressor and blower motor. This can cause the components to over-heat and automatically shut down. In the worst case, the components will fail and need to be replaced. To avoid inefficient or failed operation of your unit, CHECK THE FILTER(S) EVERY 3 TO 4 WEEKS. Replace filter(s) when necessary, or clean the filter(s) if you have the reusable type.

Disposable filters should be replaced by similar, new filters of the same dimensions.

Reusable, permanent filters should be washed in a solution of cold water and mild detergent, then rinsed and thoroughly dried. **THE FILTER MUST BE COMPLETELY DRY BEFORE BEING REINSTALLED.** To avoid prolonged shut-down of your unit while a filter is drying, you should have an extra filter on hand. This allows you to rotate between the 2 with minimal downtime for your comfort system. Extra filters may be purchased from your dealer.

The filter(s) and filter rack for a packaged system are supplied and installed by the contractor or dealer. Typically, the filter(s) and rack are located in the return-air duct at the outdoor unit or behind the return-air grille(s). Have your dealer show you the location of your filter(s) and the procedures for removal and replacement.

If your system includes a high efficiency or electronic air cleaner, refer to air cleaner User's Manual for proper filter cleaning or replacement.

## OUTDOOR COIL

If grass clippings, leaves, shrubbery, and debris are kept away from the unit, minimal care should be sufficient to keep the system functioning properly. However, if the outdoor coil becomes dirty, use a vacuum cleaner or shop vac with soft brush attachment to clean the exterior surface. Vacuum coil surface using an up and down motion. Be careful not to bend or damage fins.

If dirt is deep in the coil, contact your dealer for service. Do not attempt this yourself.

## OUTDOOR COIL—SEA COAST

If your unit is located near the ocean, special maintenance is required. Ocean mist/breeze carries salt, which is corrosive to most metals. Although your new unit is made out of galvanized metal and is protected by top-grade paint, you should take the precaution of additional maintenance which consists of periodically washing the unit. By washing all exposed surfaces and coil, you will be adding additional life to your unit. Please consult your installing contractor for proper intervals/procedures for your geographic area or service contact.

## UNIT SUPPORT

Your packaged heat pump unit should be maintained at a level position. If its support should shift or settle so that the unit is no longer level, you should correct the condition. Relevel it promptly to assure water drains out of the unit. If you notice that water or ice collects beneath the unit, arrange for it to be drained away from the unit.

## BEFORE YOU REQUEST A "SERVICE CALL"

### CHECK FOR THESE EASILY SOLVED PROBLEMS:

- Check the indoor and outdoor disconnect switches. Verify that circuit breakers are ON or that fuses have not blown.
- Check for sufficient airflow. Check the air filter(s) for any accumulations of dirt. Check for blocked return-air or supply-air registers. Be sure registers are open and unobstructed.
- Check the settings on your indoor thermostat. If you desire cooling, make sure that the temperature control selector is set

below room temperature and the SYSTEM or MODE control is set to COOL or AUTO. If you require warmth, make sure that the temperature control selector is set above room temperature and the SYSTEM or MODE control is set to HEAT or AUTO. The FAN control should be set to ON for continuous blower operation or AUTO if you wish blower to function only while your heat pump is operating.

If your comfort system still fails to operate, turn your system off and contact your servicing dealer for troubleshooting and repairs. Specify your apparent problem, and state the model and serial number of your equipment. (You should have them recorded on the last page of this booklet.) With this information, your dealer may be able to offer helpful suggestions over the phone or save valuable time through knowledgeable preparation for the service call.

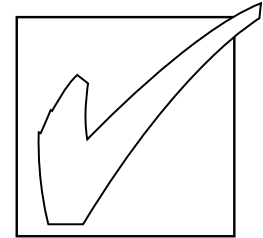
## Filter Size Table

UNIT SIZE 50JX	024	030	036	042	048	060
RETURN-AIR FILTERS (in.) Throwaway	20 x 20	20 x 20	20 x 24	24 x 30	24 x 30	24 x 30

UNIT SIZE 50JS	018	024	030	036	042	048	060
RETURN-AIR FILTERS (in.) Throwaway	20 x 20	20 x 20	20 x 20	20 x 24	24 x 30	24 x 30	24 x 30

## REGULAR DEALER MAINTENANCE

In addition to the routine maintenance that you perform, your home comfort system should be inspected regularly by a properly trained service technician. The inspection (preferably twice each year, but at least once every year) should include the following:



- Routine inspection of air filter(s). Replacement or cleaning as required.
- Inspection and cleaning of the blower wheel, housing, and motor as required.
- Inspection and, if required, cleaning of coils.
- A check of all electrical wiring and connections.
- A check for secure physical connections of individual components within unit.
- Operational check of the heat pump system to determine actual working condition. Necessary repair and/or adjustment should be performed at this time.
- Your servicing dealer may offer an economical service contract that covers seasonal inspections. Ask for further details.

## WARRANTIES

You have purchased either a 50JS or 50JX series unit. Each has a separate warranty at the back of this booklet. Be sure to read the warranty carefully to determine the coverage for your unit.

## FOR THE RECORD

Record the model, product, and serial numbers of your new equipment in the spaces provided. This information, along with the other ready-reference facts requested will be necessary should you ever require information or service.



**IMPORTANT!**  
Please Fill Out And Return Within The Next 10 Days.

1.  Mr.  Mrs.  Ms.  Miss

First Name \_\_\_\_\_ Initial \_\_\_\_\_ Last Name \_\_\_\_\_

Street \_\_\_\_\_ Apt. No. \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

2. Date of installation: \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

3. Important! For proper registration, please fill in the model number, and serial number of this product:

A. Model Number: \_\_\_\_\_

B. Serial Number: \_\_\_\_\_

4. What type of product is this?

1.  Central Air Conditioner  
 2.  Gas Furnace  
 3.  Oil Furnace  
 4.  Electric Furnace  
 5.  Heat Pump

6.  Heat Recovery Ventilator  
 7.  Thermostat  
 8.  Zoning  
 9.  Humidifier  
 10.  Electronic Air Cleaner

5. A. Price paid for this product (excluding installation charges and sales tax): \$ \_\_\_\_\_

B. Price paid for installation: \$ \_\_\_\_\_

6. Name of company that sold you this product: \_\_\_\_\_

7. When did you acquire your product?

1.  Upon purchase of a new dwelling.  
 2.  To replace an older system of the same brand.  
 3.  To replace an older system of another brand.  
 4.  Within a year after purchasing a dwelling with no central air.  
 5.  2-4 years after buying a dwelling with no central air system.  
 6.  Over 4 years after buying a dwelling with no central air system.

8. If you replaced an older system, approximately how old was that system?

1.  Don't know  
 2.  1-5 years  
 3.  6-8 years  
 4.  9-11 years  
 5.  12-14 years

9. If this is a replacement, what brand did you previously own?

1.  Amana  
 2.  Bryant  
 3.  Carrier  
 4.  Day & Night  
 5.  Hell  
 6.  Janitrol  
 7.  Lemox  
 8.  Payne  
 9.  Rheem  
 10.  Ruud  
 11.  Snyder  
 12.  Tempstar  
 13.  Trane  
 14.  York  
 15.  Other \_\_\_\_\_

10. What factors most influenced your selection of this product? (Check a maximum of two.)

1.  Brand reputation  
 2.  Dealer reputation  
 3.  Previous experience with products of this brand  
 4.  Previous experience with this dealer  
 5.  Price

11. Education: (please check those which apply)

Some High School or Less	Completed High School	Vocational/Technical School	Some College	Completed College	Some Graduate School	Completed Graduate School
<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7

12. Which credit cards do you use regularly?

1.  American Express, Diners Club  
 2.  MasterCard, Visa, Discover  
 3.  Department Store, Oil Company, etc.  
 4.  Do not use credit cards

13. For your primary residence, do you:

1.  Own a House?  
 2.  Own a Townhouse or Condominium?  
 3.  Rent a House?  
 4.  Rent an Apartment, Townhouse or Condominium?

14. To help us understand our customers' lifestyles, please indicate the interests and activities in which you or your spouse enjoy participating on a regular basis:

- |   |  |
|---|--|
| 18. <input type="checkbox"/> Crafts                         | 35. <input type="checkbox"/> Gourmet Cooking               |
| 19. <input type="checkbox"/> Automotive Work                | 36. <input type="checkbox"/> Wines                         |
| 20. <input type="checkbox"/> Electronics                    | 37. <input type="checkbox"/> Coin/Stamp Collecting         |
| 21. <input type="checkbox"/> Home Workshop/Do It Yourself   | 38. <input type="checkbox"/> Collectibles/Collections      |
| 22. <input type="checkbox"/> Recreational Vehicles          | 39. <input type="checkbox"/> Our Nation's Heritage         |
| 23. <input type="checkbox"/> Stereo, Records/Tapes/CDs      | 40. <input type="checkbox"/> Real Estate Investments       |
| 24. <input type="checkbox"/> Buy Pre-Recorded Videos        | 41. <input type="checkbox"/> Stock/Bond Investments        |
| 25. <input type="checkbox"/> Avid Book Reading              | 42. <input type="checkbox"/> Entering Sweepstakes          |
| 26. <input type="checkbox"/> Bible/Devotional Reading       | 43. <input type="checkbox"/> Casino Gambling               |
| 27. <input type="checkbox"/> Health/Natural Foods           | 44. <input type="checkbox"/> Science Fiction               |
| 28. <input type="checkbox"/> Photography                    | 45. <input type="checkbox"/> Wildlife/Environmental Issues |
| 29. <input type="checkbox"/> Home Furnishing/Decorating     | 46. <input type="checkbox"/> Dieting/Weight Control        |
| 30. <input type="checkbox"/> Attending Cultural/Arts Events | 47. <input type="checkbox"/> Science/New Technology        |
| 31. <input type="checkbox"/> Fashion Clothing               | 48. <input type="checkbox"/> Self Improvement              |
| 32. <input type="checkbox"/> Fine Art/Antiques              | 49. <input type="checkbox"/> Walking for Health            |
| 33. <input type="checkbox"/> Foreign Travel                 | 50. <input type="checkbox"/> Watching Sports on TV         |
| 34. <input type="checkbox"/> Travel in the USA              |  |

15. Using the numbers in the above list, please indicate the 3 most important activities for: You \_\_\_\_\_ Spouse \_\_\_\_\_

16. Please check all that apply to your household:

1.  Regularly Purchase Items Through the Mail  
 2.  Military Veteran in Household  
 3.  Member of Frequent Flyer Program

4.  Support Health Charities  
 5.  Subscribe to Cable TV  
 6.  Have a Microwave Oven  
 7.  Have a CD Player  
 8.  Have a VCR  
 9.  Use a Personal Computer  
 10.  Have a Dog  
 11.  Have a Cat

17. Thanks for taking the time to fill out this questionnaire. Your answers will be used for market research studies and reports — and will help us better serve you in the future. They will also allow you to receive important mailings and special offers from a number of fine companies whose products and services relate directly to the specific interests, hobbies, and other information indicated above. Through this selective program, you will be able to obtain more information about activities in which you are involved and less about those in which you are not. Please check here if, for some reason, you would prefer not to participate in this opportunity.

18. If you have comments or suggestions about our product please write to: **Carrier**  
**Consumer Relations Department**  
**P. O. Box 4808**  
**Syracuse, NY 13221**  
 or call 1-800-C-A-R-R-I-E-R

Fold Along This Line Last

Please send products and other correspondence to:

Carrier  
 Consumer Relations Department  
 P.O. Box 4808  
 Syracuse, NY 13221



PO BOX 173244  
 DENVER CO 80217-3244

PLACE  
 FIRST-CLASS  
 STAMP  
 HERE



Fig. 5—50JS Warranty

# CARRIER CORPORATION



**IF YOUR UNIT DOES NOT WORK, FOLLOW THESE STEPS IN ORDER:**

- FIRST:** Contact the installer. You may find his name on the product or in your Homeowner's Packet. If his name is not known, call your builder if yours is a new residence.
- SECOND:** Contact the nearest CARRIER distributor. (See telephone yellow pages.)
- THIRD:** Contact:  
 CARRIER CORPORATION  
 Consumer Relations Department  
 P.O. Box 4808  
 Syracuse, New York 13221  
 1-800-CARRIER (227-7437)

Unit Model No. \_\_\_\_\_ Unit Serial No. \_\_\_\_\_  
 Date of Installation \_\_\_\_\_ Installed by \_\_\_\_\_  
 Name of Owner \_\_\_\_\_ Address of Installation \_\_\_\_\_

## Extended Protection Limited Warranty

**ONE-YEAR WARRANTY**—This CARRIER product is warranted to be free from defects in material and workmanship under normal use and maintenance for a period of 1 year from the date of original installation, whether or not actual use begins on that date. A new or remanufactured part to replace any defective part will be provided at Carrier's sole option without charge for the part itself, PROVIDED the defective part is returned to our distributor. This warranty applies only to the product in its original installation location and is voided if the product is reinstalled elsewhere.

THIS WARRANTY DOES NOT INCLUDE LABOR or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of either defective parts or replacement parts. SUCH COSTS MAY BE COVERED BY a separate warranty provided by the installer.

**EXTENDED 4-YEAR WARRANTY ON COMPRESSOR ONLY**—During the second through fifth years after the date of original installation, CARRIER further warrants the compressor against defects in material or workmanship under normal use and maintenance. A new or remanufactured compressor will be provided at Carrier's sole option under the same conditions as stated in the 1-YEAR WARRANTY.

**LIMITATIONS OF WARRANTIES**—ALL IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY) ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH EACH LIMITED WARRANTY IS GIVEN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON WHATSOEVER.

ALL WORK UNDER THE TERMS OF THIS WARRANTY SHALL BE PERFORMED DURING NORMAL WORKING HOURS. ALL REPLACEMENT PARTS, WHETHER NEW OR REMANUFACTURED, ASSUME AS THEIR WARRANTY PERIOD ONLY THE REMAINING TIME PERIOD OF THIS WARRANTY.

**CARRIER WILL NOT BE RESPONSIBLE FOR:**

1. Normal maintenance as outlined in the installation and servicing instructions or owner's manual including coil cleaning, filter cleaning and/or replacement and lubrication.
2. Damage or repairs required as a consequence of faulty installation or application by others.
3. Failure to start due to voltage conditions, blown fuses, open circuit breakers or other damages due to the inadequacy or interruption of electrical service.
4. Damage or repairs needed as a consequence of any misapplication, abuse, improper servicing, unauthorized alteration or improper operation.
5. Damage as a result of floods, winds, fires, lightning, accidents, corrosive atmosphere or other conditions beyond the control of CARRIER.
6. Parts not supplied or designated by CARRIER.
7. CARRIER products installed outside the continental U.S.A., Alaska, Hawaii and Canada.
8. Electricity or fuel costs or increases in electricity or fuel costs from any reason whatsoever including additional or unusual use of supplemental electric heat.
9. ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER. Some states do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

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



Fig. 6—50JX Warranty

# CARRIER CORPORATION



**IF YOUR UNIT DOES NOT WORK, FOLLOW THESE STEPS IN ORDER:**

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- SECOND:** Contact the nearest CARRIER distributor. (See telephone yellow pages.)
- THIRD:** Contact:  
 CARRIER CORPORATION  
 Consumer Relations Department  
 P.O. Box 4808  
 Syracuse, New York 13221  
 1-800-CARRIER (227-7437)

Unit Model No. \_\_\_\_\_ Unit Serial No. \_\_\_\_\_  
 Date of Installation \_\_\_\_\_ Installed by \_\_\_\_\_  
 Name of Owner \_\_\_\_\_ Address of Installation \_\_\_\_\_

## Extended Protection Limited Warranty

**LIMITED ONE-YEAR WARRANTY**—This CARRIER product is warranted to be free from defects in material and workmanship under normal use and maintenance for a period of one year from the date of original installation, whether or not actual use begins on that date. A new or remanufactured part to replace any defective part will be provided, within a reasonable time after return of the defective part, at Carrier's sole option without charge for the part itself, PROVIDED the defective part is returned to our distributor. This warranty applies only to the product in its original installation location and is voided if the product is reinstalled elsewhere.

THIS WARRANTY DOES NOT INCLUDE LABOR or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of either defective parts or replacement parts. SUCH COSTS MAY BE COVERED BY a separate warranty provided by the installer.

**EXTENDED LIMITED NINE-YEAR WARRANTY ON COMPRESSOR ONLY**—During the second through tenth years after the date of original installation, CARRIER further warrants the compressor against defects in material and workmanship under normal use and maintenance. A new or remanufactured compressor will be provided at Carrier's sole option under the same conditions as stated in the One-Year Warranty.

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ALL WORK UNDER THE TERMS OF THIS WARRANTY SHALL BE PERFORMED DURING NORMAL WORKING HOURS. ALL REPLACEMENT PARTS, WHETHER NEW OR REMANUFACTURED, ASSUME AS THEIR WARRANTY PERIOD ONLY THE REMAINING TIME PERIOD OF THIS WARRANTY.

**CARRIER CORPORATION WILL NOT BE RESPONSIBLE FOR:**

1. Normal maintenance as outlined in the installation and servicing instructions or owner's manual including coil cleaning, filter cleaning and/or replacement and lubrication.
2. Damage or repairs required as a consequence of faulty installation or application by others.
3. Failure to start due to voltage conditions, blown fuses, open circuit breakers or other damages due to the inadequacy or interruption of electrical service.
4. Damage or repairs needed as a consequence of any misapplication, abuse, improper servicing, unauthorized alteration or improper operation.
5. Damage as a result of floods, winds, fires, lightning, accidents, corrosive environments or other conditions beyond the control of CARRIER.
6. Parts not supplied or designated by CARRIER.
7. CARRIER products installed outside the continental U.S.A., Alaska, Hawaii, and Canada.
8. Electricity or fuel costs or increases in electricity or fuel costs for any reason whatsoever including additional or unusual use of supplemental electric heat.
9. ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER. Some states do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

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

Form No. 530-050 (New 10-89)





## INSTALLATION DATA

Date Installed \_\_\_\_\_

Dealer Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

## UNIT DATA

Product No. \_\_\_\_\_

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Heater, if applicable:

Part No. \_\_\_\_\_

Kilowatt Rating \_\_\_\_\_



HEATING & COOLING

**TO OBTAIN INFORMATION ON PARTS:** Consult your installing dealer or classified section of your local telephone directory under the "Heating Equipment" or "Air Conditioning Contractors & Systems" heading for dealer listing by brand name. Have available the Model No., Series Letter, & Serial No. of your equipment to ensure correct replacement part.

**Carrier Corporation • Indianapolis, Indiana 46231**

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.