INSRUCTIONS FOR MOUNTING OUR BRC075, 100,125, & 200 SERIES HEATER KITS IN RHEEM/RUUD, RRC(F/G) & URC(F/G) 7.5, 10, 12.5 & 20 TON PACKAGE AIR CONDITIONERS.

1. WARNING: IF THE A/C UNIT IS ALREADY INSTALLED AND WIRED. DISCONNECT THE ELECTRIC POWER BEFORE STARTING THE HEATING KIT INSTALLATION.

2. Remove the Blower Compartment access panel. Remove the top panel from the duct section that is the blower discharge. The Heater will go in that space.

3. Hangers are provided on the back of the Heater Controls Box for slipping over the vertical angles that support the Unit Blower. Hang the box over the angles while you put the Heater
portion in place.

4. Lift Heater portion of the kit over the blower, forward and lower into duct section. Use care so that you do not tear Unit insulation. Secure Heater in place with screws previously removed. Secure Heater Controls box through holes near the bottom of the box that should match holes in Unit Blower angle supports.

5. Insert the plug on the Heater controls wires into matching unit receptacle. You are now ready for the field installed electric power supply.

6. The Terminal Block in the Heater Controls Box is intended for one point power supply. Wires for the A/C Unit are to be extended from the load side of the Terminal Block to the Unit controls compartment. Supply wire must be copper and sized for the larger of the Heater or A/C loads. Units previously wired for the A/C only may require some changes for single point connection.

7. THE FIELD SUPPLY WIRING AND GROUNDING MUST BE IN ACCORD WITH THE NATIONAL ELECTRIC CODE, ANSI/NFPA 70-1984 AND ANY OTHER LOCAL ORDINANCE REQUIREMENTS.

CALCULATION INFORMATION

SEPARATE HEATER ELECTRICAL SUPPLY:
Heater Amps times 1.25 is minimum circuit ampacity. Minimum circuit ampacity rounded up to the nearest standard protective device rating is maximum circuit protection.

COMBINED ELECTRICAL SUPPLY - COOLING ONLY UNITS:
Heater amps times 1.25 plus 6 is minimum circuit ampacity. Minimum circuit ampacity rounded up the nearest standard protective device rating is maximum circuit protection. COMPARE to Air Conditioners Label. Write in the LARGER of the two ratings.

COMBINED ELECTRICAL SUPPLY - HEAT PUMPS:
Add heater amps to Heat Pump minimum circuit ampacity for a new total minimum ampacity. Minimum circuit ampacity rounded up to nearest standard protective device rating is maximum circuit protection.

STANDARD PROTECTIVE DEVICE RATINGS: 10, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90 and 100 amps.

EXAMPLE:
Install a 47.1 amp heater in a heat pump and use combined single electric supply.

If Unit nameplate minimum circuit ampacity 35 - this makes the combined minimum ampacity (35 + 41.7) of 76.7 amps.

76.7 amps rounded up to nearest standard rating (80 amps). The combined maximum protective device is 80 A.