

INSTALLATION INSTRUCTIONS FOR B S M A HEATERS IN RHEEM/ RUUD/ WEATHERKING ROOFTOP PACKAGE UNITS

Units:	(-) SMA	018 - 042 Cooling
	(-) SKA	018 - 042 Cooling
	(-) QMA	018 - 036 Heat Pump
	(-) QKA	018 - 036 Heat Pump
	(-) QLA	018 - 036 Heat Pump

IMPORTANT: **MAXIMUM 10KW IN ANY HEAT PUMP**
 MAXIMUM 10KW IN ANY 018 OR 024

DISCONNECT ALL POWER BEFORE STARTING HEATER INSTALLATION

These heaters are designed to mount in the electrical access compartment. Remove the access panel from the side of the unit. Remove the sheet metal heater access plate from the unit bulk head. Carefully insert the heater (observe the "This Side Up" label) and secure with sheet metal screws (4).

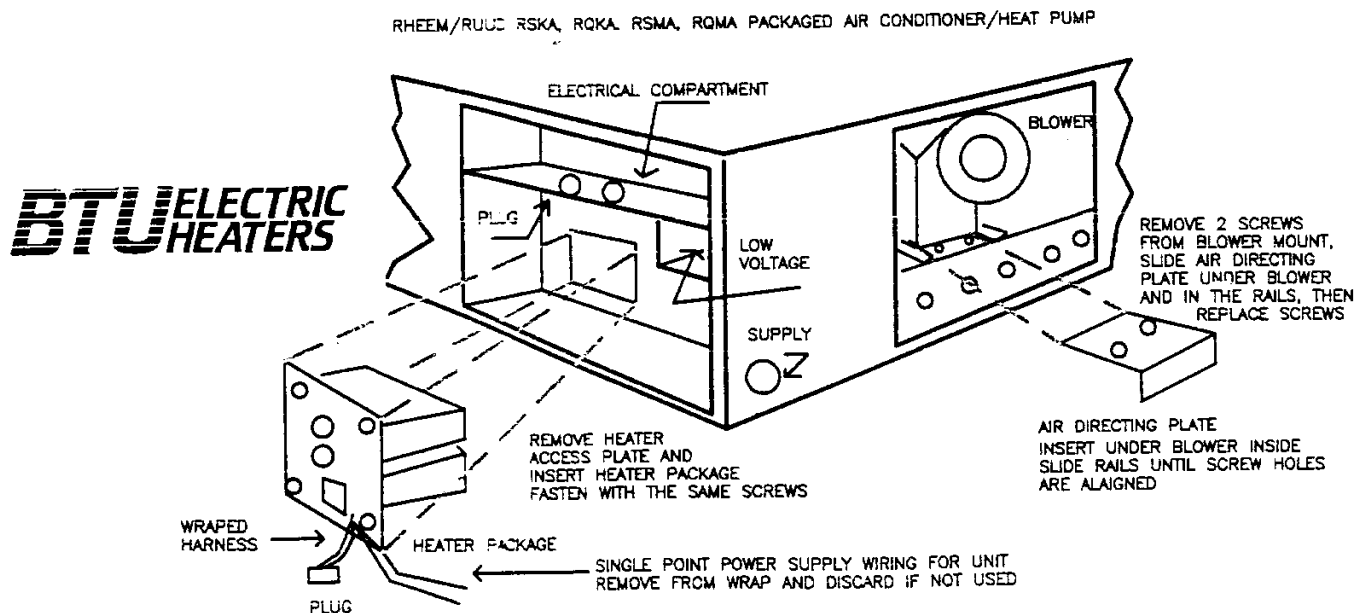
Connect heater control plug to unit matching plug.
The indoor blower interlock on heat is part of the heater.

Connect unit power wires provided from the heater if single point power supply is desired. Remove unit supply wires from heater control cable if multiple supplies are used.

Attach heater rating label next to unit rating label. Calculate minimum circuit ampacity and maximum circuit protection sizes from information on back of this sheet. Write those figures on the heater rating label (use waterproof ink) and check heater only or combined electrical supplies. Field power wiring must comply with the National Electric Code (NEC) and any local code ordinance.

Replace unit heater access panel. **REMOVE BLOWER ACCESS PANEL.** Remove two sheet metal screws that secure blower housing in slide rails. **PLACE AIR DIRECTING PLATE UNDER BLOWER HOUSING SO THAT THE SCREW HOLES LINE UP.** Replace two blower screws. Replace blower access panel.

WARNING: If the air directing plate is not installed, heater will cycle!



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.