

# Ultra-Aire 100V

## Condensate Pump Internal Installation (optional)

Read these instructions completely before installing the condensate pump

- Step 1:** Remove the front panel (six phillips screws). NOTE: See diagram on reverse side for component locations.
- Step 2:** Remove the plastic grommet that retains the power cord to the cabinet (left side).
- Step 3:** Remove the three screws that mount the electric box to the cabinet base.
- Step 4:** Remove the electric box from the cabinet by tilting it forward and laying it face down in front of the cabinet.
- Step 5:** Remove the two plastic oil tubes from the blower motor.
- Step 6:** Remove the four blower mounting bolts.
- Step 7:** Remove the blower assembly.
- Step 8:** Cut the original drain hose to a length of eleven inches (from the drain pan end). **DO NOT REMOVE THE DRAIN HOSE FROM THE DRAIN PAN NIPPLE!**
- Step 9:** Remove the rest of the drain hose.
- Step 10:** Cut a 3" piece from the drain hose (removed in Step 9) and center it in the hole in the cabinet wall where it originally came through.
- Step 11:** Set the pump in the cabinet behind the compressor and as far to the right as possible. Be sure that the power cord is on the left and the hose connections are on the right.
- Step 12:** Place the end of the eleven-inch piece of drain hose into the large round hole on the right end of the pump.
- Step 13:** Slide the new hose through the 3" piece (in the cabinet wall) and connect it to the black barbed fitting on the right end of the pump.
- Step 14:** Re-install the blower assembly.
- Step 15:** Re-install the blower oiling tubes into the blower motor.
- Step 16:** Re-install the electrical box.
- Step 17:** Cut off the plug end of the pump power cord.
- Step 18:** Route the pump power cord through the grommet on the top, right side of the electrical box. Cut off the pump power cord leaving about twelve inches inside the electrical box.
- Step 19:** Strip six to eight inches of the sheathing from the pump power cord. Strip the green/yellow ground wire from the pump cord and connect it to the grounding bolt located on the right inside wall of the electrical box.
- Step 20:** Connect the brown wire from the pump cord to the white wire from the transformer that connects to the capacitor. Cut the white wire about six inches from the capacitor. Strip both ends of the white wire and connect them to the brown wire using a wire nut.
- Step 21:** Connect the blue wire from the pump cord to the black wire from the transformer. This black wire is connected to a blue wire with a wire crimp nut. Cut and remove the wire nut. Strip the black and blue wires. and connect them to the blue wire using a new wire nut.
- Step 22:** Re-install the plastic grommet to retain the dehumidifier power cord to the cabinet (left side).
- Step 23:** Re-install the front cover.
- Step 24:** Route the new drain hose to the desired location.
- Step 25:** Unit is now ready for normal operation.

**FOR HVAC INSTALLER ONLY**

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