

## AUXILIARY ELECTRIC HEAT

### OPTIONAL AUXILIARY ELECTRIC HEATING OPTIONS

Desert Aire provides auxiliary electric heating options for the VerticalAire™ Series that are sized to meet the winter heating requirements of the outside air.

These heating elements are utilized when the outside air temperature for a DOAS unit or mixed air temperature for a HOAS unit drops below the low economizer set point. The heaters are not allowed to operate when the unit is in the cooling or dehumidification mode.

Desert Aire sizes the heating elements to precisely match the load requirement of the system. The heaters are automatically controlled by the units microprocessor to maintain an exact leaving air temperature. An SCR controller is used for the electric heat option to vary the heat output.

#### Design Specifications

The following list highlights the noteworthy features of the VerticalAire™ Series electric heaters:

- System Single Point Power to Dehumidifier
- NiCr 60 Corrosion-Resistant Element
- Welded Construction Using 20 MSG Galvanized Steel
- Automatic Reset High Temperature Limit Safety Switch
- Manual Reset High Maximum Temperature Limit Safety Switch
- Air Flow Pressure Switch
- Fusing as Required for Each 48 Amp Circuit
- Fused Circuits per N.E.C., UL, and CSA

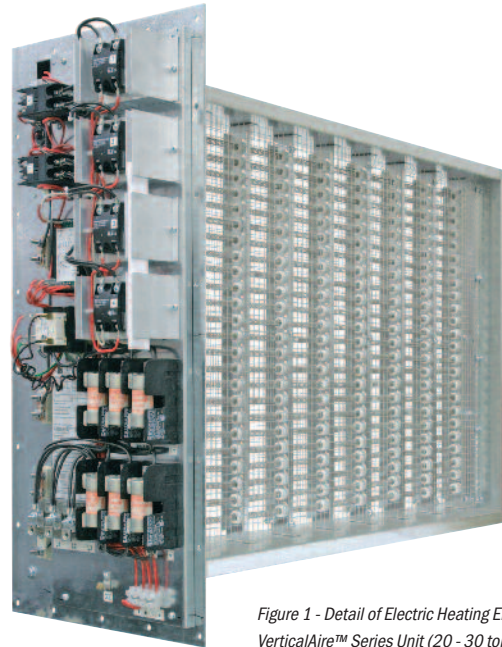


Figure 1 - Detail of Electric Heating Element for VerticalAire™ Series Unit (20 - 30 tons)




Figure 2 - Details of Duct Heater (3 - 15 tons)

**OPTIMIZING SOLUTIONS THROUGH SUPERIOR DEHUMIDIFICATION TECHNOLOGY**

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 **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)