

**REZNOR®**

**VEB®**

S  
E  
R  
I  
E  
S



featuring

**TCORE²®**  
components

# V3B<sup>®</sup> SERIES



European styled cabinet

Corrosion resistant,  
super-gloss finish

More standard features and  
options than competition

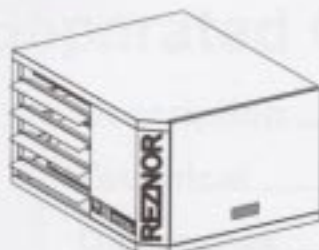
High output air delivery

Quiet operation, Low noise design

Safety engineered



# REZNOR



CGA 2.6b



ANSI Z83.8b

**CSA International Requirement**  
**10.96 U.S.**  
**- Sizes 30-125**

## DESCRIPTION

Reznor® V3 Series Model UDAS gas-fired separated combustion unit heaters are available in 14 sizes ranging from 30,000 to 400,000 BTUH gas input. Sizes 30-125 are approved for residential application. All sizes are approved for commercial/industrial installations. Model UDAS heaters are designed for 82-83% thermal efficiency and are approved for installation in the United States and Canada by the Canadian Standards Association (CSA).

Reznor® V3 Series unit heaters have a refreshing new appearance with a glossy white cabinet finish and less visible hardware. Each size cabinet is easily suspended from either 2 or 4 suspension points. Or, an optional hanger kit for Sizes 30-125 allows for ceiling mounting. The low voltage terminal strip on the outside of the cabinet makes connecting control wiring easy with no panels to remove. The addition of a "G" terminal to the strip, along with the new design of the circuit board, allows for fan only operation (without adding relays). All units have a factory installed gas line nipple to the exterior of the cabinet for easy gas service connection.

The preeminent new internal feature is the T-CORE<sup>2</sup>® heat exchanger and single burner combustion system. Other standard features include a single-stage gas valve, multi-try direct spark ignition with 100% lockout, pressure switch to verify vent flow, resiliently isolated venter motor, venter wheel with improved housing, resiliently isolated axial fan and motor assembly, and a high temperature limit control. Sizes 30-125 also include a flame rollout safety switch. Operation is controlled through an integrated circuit board. The circuit board monitors heater operation and has LED diagnostic indicator lights to identify abnormalities in control functions.

The 1<sup>st</sup> ever separated combustion system in the commercial/industrial heating industry was introduced on a Reznor heater in the 1960's, and that proven technology is continued in this new separated combustion product. Model UDAS separated combustion units require installation of a specially designed combustion air/vent system including the unique concentric adapter box that allows for only one building penetration for both the vent and combustion air.

The new V3 Series unit heaters are designed to provide all the features you expect in a Reznor heater plus improved efficiency, easier installation, and a new look ~ **both inside and out.**

# V3<sup>®</sup> Model UDAS

## Separated Combustion, Low Static Unit Heaters for Residential and Commercial/Industrial Use

### STANDARD FEATURES

- Sizes 30-125 certified for residential heating application
- Sizes 30-400 certified for commercial/industrial heating application
- 82-83% Thermal efficient ~ **TOP in its class!**
- 50-60°F Rise range
- **NEW T-CORE<sup>2</sup>®** design titanium stabilized aluminized steel heat exchanger (**patent pending**)
- **NEW T-CORE<sup>2</sup>®** single burner combustion system including a one-piece burner assembly (**patent pending**)
- 115/1/60 Supply voltage
- 115 Volt open fan motor with internal overload protection
- Transformer for 24-volt controls
- Integrated circuit board with diagnostic indicator lights
- Multi-try direct ignition with 100% lockout
- Fan relay (included on the circuit board)
- Natural or propane single-stage gas valve (field adjustable for operation to 9,000 ft elevation)
- Vibration/noise isolated fan and venter motors ~ **designed for low noise operation**
- 2-pt **and** 4-pt Suspension ~ **standard on all sizes**
- External terminal strip for 24-volt wiring
- External gas connection
- Full fan guard ~ **engineered for safety**
- Improved cabinet design with less visible hardware and a **NEW** Reznor appearance

### OPTIONAL FEATURES - FACTORY INSTALLED

- Two-stage natural or propane gas valve
- 409 or 316 Stainless steel heat exchangers
- 208 or 230 Single phase voltage
- Totally enclosed fan motor (115V only)

### ACCESSORIES - FIELD INSTALLED

- \*Horizontal or Vertical Combustion Air/Vent Kit including concentric adapter
- Thermostat
- Thermostat guard with locking cover
- Vertical louvers ~ **new design**
- Downturn nozzle kits ~ **new design**
- Gas conversion kits (natural and propane)
- Master/Slave controls for zoning up to six units
- Ceiling suspension kit - Sizes 30-125
- Hanger kits for 1" pipe
- Stepdown transformer (for 230/3 & 460/3 supply voltage)
- Manual shutoff valves

\* Selection of either a horizontal or vertical combustion air/vent kit is required.