

## Reznor Manufacturing Company

66 Union Street, Mercer, Pa.

Gas Unit Heaters—nine sizes: 25,000 to 250,000 Btu; Console-Type Room Heaters—25, 50, 65 and 75,000 Btu; Duct Furnaces—50,000 to several million Btu; Gas Horizontal Furnaces—75,000, 100,000 and 125,000 Btu.

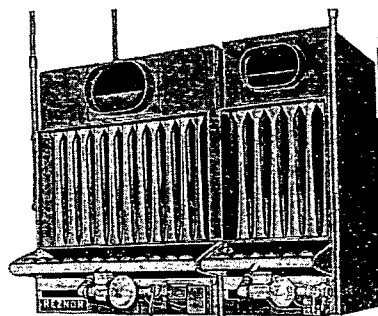
### Reznor Series DS Sectional Duct Furnaces 150,000 to Several Million Btu

Sectional assembly simplifies installation. Capacities totaling 2,000,000 Btu and above can be installed in custom engineered heating systems from sections weighing no more than 315 pounds. Unlimited number of sizes in steps of 50,000 Btu from 150,000 to several million Btu. All assembled from four basic sections—150, 200, 250 and 300,000 Btu.

Units are compact, highly efficient, lightweight heat exchangers, each with a full complement of combustion controls. For assembly with components for air-moving, cooling, cleaning and humidification selected to meet the exact requirements of each job. May also be used as booster units to supplement other warm air heating equipment.

Designed for installation as an integral part of the ductwork, all sections are equipped for either suspended or base mounting. Because air flow through the heater may be in either direction, sections can always be turned to provide easy access to controls and burners. To provide for seasonal operation of less than the total capacity, each section is complete with controls and built-in draft diverter.

The unit shown above is a 450,000 Btu duct furnace (one 150,000 and one 300,000 Btu section mounted side-by-side). Because sections can be mounted in a single bank or in a double bank, overall dimensions



depend on the manner of installation. All sections are 37 in. high and 24 in. deep. Width varies according to capacity.

Gas and electrical controls are normally installed on the front of the heater, but can be relocated to the side if preferred. Controls include main and pilot shut-off valves, electric valve, pressure regulator, safety pilot and adjustable limit control. All controls supplied by leading manufacturers. All electrical components Underwriters' Laboratory approved.

Aluminized steel is the standard heat exchanger material; stainless steel heat exchangers are also available.

Built-in draft diverter is reversible so that flue connection may face in either direction. Flue collar on snap-out plate for easy adaption to vertical or horizontal discharge.

#### Specifications—DS Duct Furnace Sections

| Section | Btu Input | Btu Output | EDR  | Thruput-cfm |          | High | Deep* | Wide**  | Weight  |
|---------|-----------|------------|------|-------------|----------|------|-------|---------|---------|
|         |           |            |      | Minimum     | Maximum† |      |       |         |         |
| DS-150  | 150,000   | 120,000    | 519  | 1200        | 1800     | 37"  | 24"   | 21 3/4" | 190 lbs |
| DS-200  | 200,000   | 160,000    | 692  | 1600        | 2400     | 37"  | 24"   | 27 1/4" | 235 lbs |
| DS-250  | 250,000   | 200,000    | 864  | 2000        | 3000     | 37"  | 24"   | 35 3/8" | 275 lbs |
| DS-300  | 300,000   | 240,000    | 1038 | 2400        | 3600     | 37"  | 24"   | 40 7/8" | 315 lbs |

† 90° rise †† 60° rise.

For total depth of multiple banks, add depths of sections, then add 12" if sections will be installed back-to-back, or add enough space to allow for removal of burners if units are to be installed front-to-front or front-to-back.

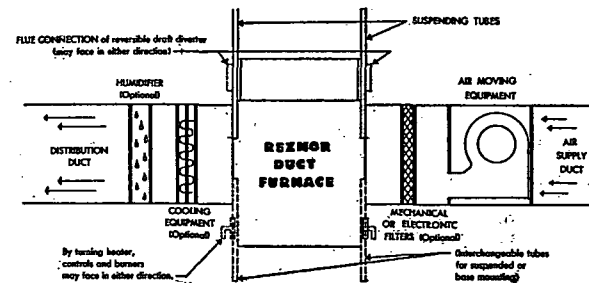
\*\* For total width of multiple sections, add widths of sections. For total width of duct on multiple sections subtract 3/4" from total overall width.

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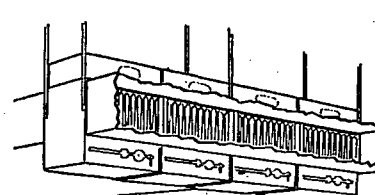
66 Union Street, Mercer, Pa.

Check your local phone directory for your nearest Reznor distributor or district office

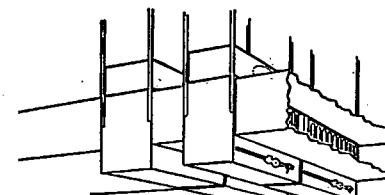
### Methods of Installation—DS Series Duct Furnaces



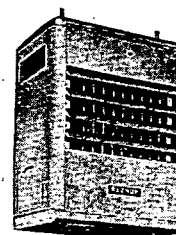
This schematic diagram shows how Reznor Series DS Duct Furnaces may be combined in the duct system with other components. All components shown (except the blower or other air-impelling equipment) are optional, to be used only as required by the specific job to be done. It is recommended that cooling and humidifying equipment be installed downstream.



Multiple-section single bank installation with common air supply and distribution ducts.



Multiple-section, double-bank installation with common air supply and distribution ducts.



#### Reznor Gas Unit Heaters

Completely automatic heating for all commercial and industrial buildings... as the basic system or to supplement other types of equipment. Eight sizes—25,000 to 200,000 Btu with choice of propeller fan or centrifugal blower plus 250,000 Btu twin-fan model. Aluminized steel heat exchangers. Cast iron universal burners. Built-in draft diverter. For complete details, dimensions and specifications write for Bulletin B-55-UH.

#### Reznor Series D Duct Furnaces

For residential and small commercial applications requiring a heat exchanger for use in a custom engineered system. Four sizes: 50, 75, 100 and 125,000 Btu. For installation with any combination of equipment for air moving, cooling, cleaning and humidification. Burner access and controls completely enclosed on same side of handsomely-styled cabinet. All models 22 in. wide by 23 in. high; depth varies with capacity. Complete with combustion controls and built-in draft diverter. For suspended or base mounting. Bulletin B-55-D.

