Indirect Gas-Fired Duct Furnace

**SPECSIFICATIONS**

**Heater Type:**
Indirect Gas-Fired Duct Furnace

**Typical Input Capacity (MBH):**
50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400

**Standard Features:**
- Tubular heaters
- Indirect natural gas fired
- Outdoor installation
- 80% thermal efficiency
- Horizontal airflow
- Rated for elevations from 0 – 2,000 ft.
- 409 stainless steel burners
- Flue/combustion air – outdoor models
  - Horizontal separated outdoor with hoods
  - Vertical top exhaust with intake hood
- Direct spark ignition
- 2-stage gas controls
- Induced draft venting
- Terminal block for power and control wiring
- Automatic high limit safety shut-off
- Auxiliary manual high limit switch
- Combustion air pressure switch
- Air proving switch

**Standard Features (continued):**
- Combination gas valve with shutoff
- Flame rollout switch
- Manual shut off valve
- 3/8" condensate drain connection

**Volatges & Phase:**
- Single phase - 120V, 208V, 230V
- 24 VAC

**Control Voltage:**
- 24 VAC

**Dimensions:**
- See table 1

**Shipping:**
- Shipped loose with base unit and installed in the field

**Options:**
- Indirect propane fired fuel
- Elevation correction for elevation > 2,000 ft.
- 304 stainless steel heat exchanger
- 5:1 continuous electronic modulation for all furnaces
- 10:1 continuous electronic modulation for furnaces 200 MBH and larger
- Duct thermostat for modulation control
- Disconnect switch
- Power fusing

**Accessory:**
- Duct thermostat for 2-stage control
- Duct thermostat for modulation control
- Duct curb

**FLUE AND COMBUSTION AIR CONFIGURATION**

Caution: All indirect gas-fired duct furnaces to be installed downstream of the ERV and on the positive side of the supply fan.

**TEMPERATURE RISE AND PRESSURE DROP**

**FIGURE 1 GAS FURNACE 50-200 MBH**

**FIGURE 2 GAS FURNACE 250-400 MBH**

Specifications may be subject to change without notice.
INDIRECT GAS-FIRED DUCT FURNACE DIMENSIONS

### Specifications

- **Temperature Rise and Pressure Drop**
  - **Temperature Rise (°F)**: 1.8
  - **Pressure Drop (inch w.c.)**: 0.0

### Vent Locations

- **RT-NO**: TOP EXHAUST OUTDOOR
- **RT-WO**: FRONT EXHAUST OUTDOOR

### Minimum/Maximum Temperature Rise through Furnace (°F)

<table>
<thead>
<tr>
<th>Size (MBH)</th>
<th>Qty.</th>
<th>Input Rate</th>
<th>Output</th>
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</thead>
<tbody>
<tr>
<td>50</td>
<td>3</td>
<td>50,000</td>
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<tr>
<td>75</td>
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<tr>
<td>300</td>
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<td>350</td>
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<tr>
<td>400</td>
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<td>400,000</td>
<td>320,000</td>
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### Nom. Duct Opening Airflow (CFM)

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### Notes

- For a single furnace, 20°F minimum temperature rise, 60°F maximum temperature rise.

### Options & Accessories

- Standard Features:
  - 80% thermal efficiency
  - Outdoor installation
  - Tubular heaters
  - Rated for elevations from 0 – 2,000 ft.
  - Horizontal airflow

- Accessories:
  - Duct curb
  - Duct thermostat for modulation control
  - Power fusing

### Dimensions

- **TOP VIEW**
- **LEFT VIEW**
- **FRONT VIEW**
- **RIGHT VIEW**

### Specifications Subject to Change

- Specifications may be subject to change without notice.