Upflow/ Horizontal
Downflow/Horizontal
Condensing, Direct Vent
Gas-Fired Furnace

XL 95
TUH2B060A936VA, TUH2B080A942VA,
TUH2C100A948VA, TUH2D120A960VA,
TDH2B060A936VA, TDH2B080A942VA,
TDH2C100A948VA, TDH2D120A960VA

Two-Stage Fan Assisted
Combustion System

PUB. NO. 22-1866-05
## General Features

### NATURAL GAS MODELS
Central Heating furnace designs are certified to ANSI Z21.47 / CSA 2.3 for both natural and L.P. gas. Limit setting and rating data were established and approved under standard rating conditions using American National Standards Institute standards.

### SAFE OPERATION
The Integrated System Control has solid state devices, which continuously monitor for presence of flame, when the system is in the heating mode of operation. Dual solenoid combination gas valve and regulator provide extra safety.

### QUICK HEATING
Durable, cycle tested, heavy gauge aluminized steel heat exchanger quickly transfers heat to provide warm conditioned air to the structure. Low energy power vent blower, to increase efficiency and provide a positive discharge of gas fumes to the outside.

### BURNERS
Multiport Inshot burners will give years of quiet and efficient service. All models can be converted to L.P. gas without changing burners.

### INTEGRATED SYSTEM CONTROL
Exclusively designed operational program provides total control of furnace limit sensors, blowers, gas valve, flame control and includes self diagnostics for ease of service. Also contains connection points for E.A.C./humidifier.

---

### AIR DELIVERY
The four speed, direct drive blower motor, has sufficient airflow for most heating and cooling requirements, will switch from heating to cooling speeds on demand from room thermostat. The blower door safety switch will prevent or terminate furnace operation when the blower door is removed.

### SECONDARY HEAT EXCHANGER
The XL 95 has a special type 29-4C™ stainless steel secondary heat exchanger to reclaim heat from flue gases which would normally be lost instead.

### STYLING
Heavy gauge steel and “wrap-around” cabinet construction is used in the cabinet with baked-on enamel finish for strength and beauty. The heat exchanger section of the cabinet is completely lined with foil faced fiberglass insulation. This results in quiet and efficient operation due to the excellent acoustical and insulating qualities of fiberglass. Built-in bottom pan and alternate bottom, left or right side return air connection provision.

---

### FEATURES AND GENERAL OPERATION
The XL 95 High Efficiency Gas Furnaces employ a Silicon Nitride Hot Surface Ignition system, which eliminates the waste of a constant burning pilot. The integrated system control lights the main burners upon a demand for heat from the room thermostat. Complete front service access.

- Low energy power venter
- Vent proving pressure switch.

---

### Features and Benefits

#### UH2-PSC Standard Equipment
- Direct drive, 4-speed motor
- 120 Volt Silicon Nitride Igniter
- Variable speed induced draft blower
- Direct/Non-Direct vent option
- PVC venting-1 or 2 pipe option
- Fused 24 volt control circuit
- Manual reset burner safety switches
- Power supply 115/1/60
- Convertible to horizontal on left side
- 2-stage gas valve
- Accessory hook-up capability – Hum and EAC
- Integrated solid state control with self-diagnostics
- Heavy gauge aluminized steel heat exchanger
- Type 29-4C™ stainless steel secondary heat exchanger
- Multi-port In-shot burners
- Quiet induced draft blower
- Lite Port™ extended system diagnostics
- Stored fault code history in micro processor noncoital memory
- Cleanable high velocity filters (upflow only)
- Hinged blower door *
- Perfect fit door latches*
- Insulated blower door*
- Gasketed blower door*
- Complete front service access
- Adjustable fan off times
- Optional L.P conversion kit
- Selectable cooling fan off delay eliminates need for BAY24X045 time delay kit
- Single wire twinning
- Optional extended warranties

* (Upflow only)
# Contents

## General Features

## Features and Benefits

- XL 95 Standard Equipment
- XL 95 Optional Equipment

## General Data

- TUH2B060A936VA
- TUH2B080A942VA
- TUH2C100A948VA
- TUH2D120A960VA
- TDH2B060A936VA
- TDH2B080A942VA
- TDH2C100A948VA
- TDH2D120A960VA

## Performance Data

## Electrical Data

## Field Wiring

## Twinning Field Wiring

## Dimensions
Features and Benefits

UH2 OPTIONAL EQUIPMENT

Comfort Control, XL803, Programmable 7 Day, 3-Ht, 2-Cl…
For additional comfort control choices, see the product catalog or quick select handbook
Propane Conversion Kit...
Propane Conversion Kit (stainless steel burners)...
Media Air Filter, “Perfect Fit” High Efficiency (14-1/2” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” High Efficiency (17-1/2” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” High Efficiency (21” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” High Efficiency (24-1/2” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” Standard Efficiency (14-1/2” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” Standard Efficiency (17-1/2” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” Standard Efficiency (21” Wide Gas Furnace)...
Media Air Filter, “Perfect Fit” Standard Efficiency (24-1/2” Wide Gas Furnace)...
Coil Enclosure (14-1/2” Wide Cabinets)...
Coil Enclosure (17-1/2” Wide Cabinets)...
Coil Enclosure (21” Wide Cabinets)...
Coil Enclosure (24-1/2” Wide Cabinets)...
Downflow Subbase...
Side Filter Rack...
Filter Kit/Horizontal Conversion TUH2B060,080...
Filter Kit/Horizontal Conversion TUH2C100...
Filter Kit/Horizontal Conversion TUH2D120...
High Altitude Pressure Switch Kit TUH2B060,TDH2B060...
High Altitude Pressure Switch Kit TUH2B080,C100,D120 , TDH2B080,C100,D120...
Concentric Vent Kit TUH2 Furnaces...
Sidewall Vent Termination Kit All 2 Pipe Direct Vent Furnaces...
Manufactured/Mobile Home Kit All 2 Pipe Direct Vent Furnaces...
Cleanable Filter (14.5”/17.5” wide Uplow models)... Cleanable Filter (21” wide Uplow models)...
Cleanable Filter (24.5” wide Uplow models)...
Filter Access Door Kit...
CleanEffect™, Whole House Air Cleaner (Uplow 14-1/2” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Uplow 17-1/2” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Uplow 21” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Uplow 24-1/2” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Downflow 14-1/2” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Downflow 17-1/2” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Downflow 21” Wide Gas Furnace)...
CleanEffect™, Whole House Air Cleaner (Downflow 24-1/2” Wide Gas Furnace)...
Optional kit allows 200 ft. max. vent length from 5,000-12,000 feet above sea level. See installer’s guide.
### General Data

#### Product Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>UH2B060A486VA</th>
<th>UH2B080A494VA</th>
<th>UH2C100A484VA</th>
<th>UH2D120A960VA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RATINGS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Stage Input BTUH</td>
<td>39,000</td>
<td>52,000</td>
<td>65,000</td>
<td>78,000</td>
</tr>
<tr>
<td>1st Stage Capacity BTUH (ICS)</td>
<td>37,440</td>
<td>49,600</td>
<td>62,400</td>
<td>78,800</td>
</tr>
<tr>
<td>2nd Stage Input BTUH</td>
<td>60,000</td>
<td>80,000</td>
<td>100,000</td>
<td>120,000</td>
</tr>
<tr>
<td>2nd Stage Capacity BTUH (ICS)</td>
<td>57,600</td>
<td>76,800</td>
<td>96,000</td>
<td>115,200</td>
</tr>
<tr>
<td>Temp. rise (Min.-Max.) °F</td>
<td>35 - 65</td>
<td>35 - 65</td>
<td>35 - 65</td>
<td>40 - 70</td>
</tr>
<tr>
<td>AFUE (Upflow / Horizontal)</td>
<td>96.0 / 95.2</td>
<td>96.0 / 95.2</td>
<td>96.0 / 95.2</td>
<td>96.0 / 95.2</td>
</tr>
<tr>
<td><strong>BLOWER DRIVE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diameter - Width (In.)</td>
<td>10 x 7</td>
<td>10 x 8</td>
<td>10 x 10</td>
<td>11.75 x 10.62</td>
</tr>
<tr>
<td>No. Used</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Speeds (No.)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>CFM vs. in. wg.</td>
<td>See Fan Performance Table</td>
<td>See Fan Performance Table</td>
<td>See Fan Performance Table</td>
<td>See Fan Performance Table</td>
</tr>
<tr>
<td><strong>COMBUSTION FAN - Type</strong></td>
<td>Centrifugal</td>
<td>Centrifugal</td>
<td>Centrifugal</td>
<td>Centrifugal</td>
</tr>
<tr>
<td>Drive - No. Speeds</td>
<td>Direct - Variable</td>
<td>Direct - Variable</td>
<td>Direct - Variable</td>
<td>Direct - Variable</td>
</tr>
<tr>
<td>Motor HP - R.P.M.</td>
<td>115/160</td>
<td>115/160</td>
<td>115/160</td>
<td>115/160</td>
</tr>
<tr>
<td>Volts / Ph / Hz</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
</tr>
<tr>
<td>FLA</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>FILTER — Furnished?</strong></td>
<td>High Velocity</td>
<td>High Velocity</td>
<td>High Velocity</td>
<td>High Velocity</td>
</tr>
<tr>
<td><strong>VENT Pipe Diameter Min. (in.)</strong></td>
<td>2 Round</td>
<td>2 Round</td>
<td>2.5 Round</td>
<td>3 Round</td>
</tr>
<tr>
<td><strong>HEAT EXCHANGER</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type - Fired</td>
<td>Aluminized Steel - Type I</td>
<td>Aluminized Steel - Type I</td>
<td>Aluminized Steel - Type I</td>
<td>Aluminized Steel - Type I</td>
</tr>
<tr>
<td>Gauge (Fired)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td><strong>ORIFICES — Main</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nat. Gas Qty — Drill Size</td>
<td>3 — 45</td>
<td>4 — 45</td>
<td>5 — 45</td>
<td>6 — 45</td>
</tr>
<tr>
<td>L.P. Gas Qty — Drill Size</td>
<td>3 — 56</td>
<td>4 — 56</td>
<td>5 — 56</td>
<td>6 — 56</td>
</tr>
<tr>
<td><strong>GAS VALVE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Redundant - Two Stage</td>
<td>115/160</td>
<td>115/160</td>
<td>115/160</td>
<td>115/160</td>
</tr>
<tr>
<td><strong>PILOT SAFETY DEVICE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BURNERS — Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>POWER CONN. — V/Ph/Hz</strong></td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
</tr>
<tr>
<td>Amperage (In Amps)</td>
<td>9.2</td>
<td>10.2</td>
<td>12.5</td>
<td>12.9</td>
</tr>
<tr>
<td>Max. Overcurrent Protection (Amps)</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td><strong>PIPE CONN. SIZE (IN.)</strong></td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping (Lbs.)</td>
<td>150 / 146</td>
<td>158 / 156</td>
<td>171 / 168</td>
<td>205 / 193</td>
</tr>
</tbody>
</table>

* May be "A" or "T"

1. Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3.
2. For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.
3. Based on U.S. government standard tests.
4. The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.
## General Data

### PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>&quot;DH2B050A949VA&quot;</th>
<th>&quot;DH2B050A949VA&quot;</th>
<th>&quot;DH2C100A949VA&quot;</th>
<th>&quot;DH2D120A960VA&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>Downflow / Horizontal</td>
<td>Downflow / Horizontal</td>
<td>Downflow / Horizontal</td>
<td>Downflow / Horizontal</td>
</tr>
<tr>
<td>RATINGS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Stage Input BTUH</td>
<td>39,000</td>
<td>50,000</td>
<td>65,000</td>
<td>78,000</td>
</tr>
<tr>
<td>2nd Stage Input BTUH</td>
<td>60,000</td>
<td>80,000</td>
<td>100,000</td>
<td>120,000</td>
</tr>
<tr>
<td>Temp. rise (Min.-Max.) °F</td>
<td>35 - 65</td>
<td>35 - 70</td>
<td>35 - 70</td>
<td>40 - 70</td>
</tr>
<tr>
<td>AFUE</td>
<td>95</td>
<td>95</td>
<td>95</td>
<td>95</td>
</tr>
<tr>
<td>BLOWER DRIVE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diameter - Width (In.)</td>
<td>10.62 x 8</td>
<td>11.75 x 8</td>
<td>11.75 x 10.62</td>
<td>11.75 x 10.62</td>
</tr>
<tr>
<td>CFM vs. in. w.g.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MOTOR HP</td>
<td>1/3</td>
<td>1/2</td>
<td>1/2</td>
<td>3/4</td>
</tr>
<tr>
<td>R.P.M.</td>
<td>1075</td>
<td>1075</td>
<td>1075</td>
<td>1075</td>
</tr>
<tr>
<td>Volts / Ph / Hz</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
</tr>
<tr>
<td>COMBUSTION FAN</td>
<td>Centrifugal</td>
<td>Centrifugal</td>
<td>Centrifugal</td>
<td>Centrifugal</td>
</tr>
<tr>
<td>Drive - No. Speeds</td>
<td>Direct - Variable</td>
<td>Direct - Variable</td>
<td>Direct - Variable</td>
<td>Direct - Variable</td>
</tr>
<tr>
<td>MOTOR HP - R.P.M.</td>
<td>1/50 - 5000</td>
<td>1/50 - 5000</td>
<td>1/50 - 5000</td>
<td>1/50 - 5000</td>
</tr>
<tr>
<td>Volts / Ph / Hz</td>
<td>115/3/60</td>
<td>115/3/60</td>
<td>115/3/60</td>
<td>115/3/60</td>
</tr>
<tr>
<td>FLA</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>FILTER— Furnished?</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Type Recommended</td>
<td>High Velocity</td>
<td>High Velocity</td>
<td>High Velocity</td>
<td>High Velocity</td>
</tr>
<tr>
<td>Hi Vel. (No.-Size-Thk.)</td>
<td>2 - 14x20- 1 in.</td>
<td>2 - 14x20 - 1 in.</td>
<td>2 - 16x20 - 1 in.</td>
<td>2 - 16x20 - 1 in.</td>
</tr>
<tr>
<td>VENT Pipe Diameter Min. (In.)</td>
<td>2 Round</td>
<td>2 Round</td>
<td>2.5 Round</td>
<td>3 Round</td>
</tr>
<tr>
<td>HEAT EXCHANGER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type - Fired</td>
<td>Aluminized Steel - Type I</td>
<td>Aluminized Steel - Type I</td>
<td>Aluminized Steel - Type I</td>
<td>Aluminized Steel - Type I</td>
</tr>
<tr>
<td>Type - Unfired</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gauge (Fired)</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>GAS VALVE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Redundant - Two Stage</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PILOT SAFETY DEVICE</td>
<td>Hot Surface Ignition</td>
<td>Hot Surface Ignition</td>
<td>Hot Surface Ignition</td>
<td>Hot Surface Ignition</td>
</tr>
<tr>
<td>BURNERS — Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>POWER CONN. — V/Ph./Hz</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
<td>115/1/60</td>
</tr>
<tr>
<td>Ampacity (In Amps)</td>
<td>9.8</td>
<td>11.4</td>
<td>12.5</td>
<td>12.9</td>
</tr>
<tr>
<td>Max. Overcurrent Protection (Amps)</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>PIPE CONN. SIZE (IN.)</td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
<td>1/2</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H x W x D</td>
<td>41-3/4 x 19-1/2 x 30-1/2</td>
<td>41-3/4 x 19-1/2 x 30-1/2</td>
<td>41-3/4 x 23 x 30-1/2</td>
<td>41-3/4 x 26-1/2 x 30-1/2</td>
</tr>
<tr>
<td>WEIGHT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipping (Lbs.)/Net (Lbs.)</td>
<td>155 / 145</td>
<td>168 / 158</td>
<td>185 / 175</td>
<td>206 / 196</td>
</tr>
</tbody>
</table>

* May be “A” or “T”

1. Central Furnace heating designs are certified to ANSI Z21.47 / CSA 2.3.
2. For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level.
3. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.
4. Based on U.S. government standard tests.
5. The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.
## Performance Data

### UH2 Furnace Airflow (CFM) vs. External Static Pressure (in. w.c.)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SPEED TAP</th>
<th>0.10</th>
<th>0.20</th>
<th>0.30</th>
<th>0.40</th>
<th>0.50</th>
<th>0.60</th>
<th>0.70</th>
<th>0.80</th>
<th>0.90</th>
</tr>
</thead>
<tbody>
<tr>
<td>*UH2B060A936VA</td>
<td>4- HIGH - Black</td>
<td>1359</td>
<td>1313</td>
<td>1264</td>
<td>1204</td>
<td>1144</td>
<td>1079</td>
<td>1004</td>
<td>919</td>
<td>812</td>
</tr>
<tr>
<td></td>
<td>3- MED.-HIGH - Blue**</td>
<td>1232</td>
<td>1199</td>
<td>1161</td>
<td>1116</td>
<td>1065</td>
<td>1004</td>
<td>934</td>
<td>852</td>
<td>744</td>
</tr>
<tr>
<td></td>
<td>2- MED.-LOW - Yellow</td>
<td>1077</td>
<td>1054</td>
<td>1027</td>
<td>994</td>
<td>953</td>
<td>904</td>
<td>845</td>
<td>768</td>
<td>666</td>
</tr>
<tr>
<td></td>
<td>1- LOW - Red</td>
<td>926</td>
<td>913</td>
<td>895</td>
<td>871</td>
<td>836</td>
<td>792</td>
<td>733</td>
<td>670</td>
<td>570</td>
</tr>
<tr>
<td>*UH2B080A942VA</td>
<td>4- HIGH - Black</td>
<td>1646</td>
<td>1611</td>
<td>1573</td>
<td>1530</td>
<td>1477</td>
<td>1421</td>
<td>1360</td>
<td>1289</td>
<td>1200</td>
</tr>
<tr>
<td></td>
<td>3- MED.-HIGH - Blue**</td>
<td>1366</td>
<td>1356</td>
<td>1337</td>
<td>1311</td>
<td>1280</td>
<td>1243</td>
<td>1197</td>
<td>1139</td>
<td>1060</td>
</tr>
<tr>
<td></td>
<td>2- MED.-LOW - Yellow</td>
<td>1175</td>
<td>1159</td>
<td>1145</td>
<td>1130</td>
<td>1108</td>
<td>1081</td>
<td>1045</td>
<td>993</td>
<td>929</td>
</tr>
<tr>
<td></td>
<td>1- LOW - Red</td>
<td>1004</td>
<td>994</td>
<td>997</td>
<td>982</td>
<td>963</td>
<td>943</td>
<td>907</td>
<td>866</td>
<td>824</td>
</tr>
<tr>
<td>*UH2C100A948VA</td>
<td>4- HIGH - Black</td>
<td>1982</td>
<td>1912</td>
<td>1836</td>
<td>1761</td>
<td>1679</td>
<td>1593</td>
<td>1496</td>
<td>1389</td>
<td>1267</td>
</tr>
<tr>
<td></td>
<td>3- MED.-HIGH - Blue**</td>
<td>1892</td>
<td>1832</td>
<td>1765</td>
<td>1696</td>
<td>1621</td>
<td>1538</td>
<td>1446</td>
<td>1342</td>
<td>1205</td>
</tr>
<tr>
<td></td>
<td>2- MED.-LOW - Yellow</td>
<td>1759</td>
<td>1712</td>
<td>1660</td>
<td>1604</td>
<td>1536</td>
<td>1465</td>
<td>1383</td>
<td>1275</td>
<td>1149</td>
</tr>
<tr>
<td></td>
<td>1- LOW - Red</td>
<td>1593</td>
<td>1557</td>
<td>1521</td>
<td>1485</td>
<td>1433</td>
<td>1370</td>
<td>1294</td>
<td>1182</td>
<td>1068</td>
</tr>
<tr>
<td>*UH2D120A960VA</td>
<td>4- HIGH - Black</td>
<td>2380</td>
<td>2334</td>
<td>2287</td>
<td>2241</td>
<td>2193</td>
<td>2118</td>
<td>2043</td>
<td>1956</td>
<td>1870</td>
</tr>
<tr>
<td></td>
<td>3- MED.-HIGH - Blue**</td>
<td>2042</td>
<td>2029</td>
<td>2016</td>
<td>1984</td>
<td>1952</td>
<td>1892</td>
<td>1830</td>
<td>1771</td>
<td>1712</td>
</tr>
<tr>
<td></td>
<td>2- MED.-LOW - Yellow</td>
<td>1695</td>
<td>1690</td>
<td>1684</td>
<td>1668</td>
<td>1652</td>
<td>1627</td>
<td>1601</td>
<td>1545</td>
<td>1489</td>
</tr>
<tr>
<td></td>
<td>1- LOW - Red</td>
<td>1402</td>
<td>1404</td>
<td>1406</td>
<td>1397</td>
<td>1387</td>
<td>1358</td>
<td>1328</td>
<td>1285</td>
<td>1242</td>
</tr>
</tbody>
</table>

* - First letter may be "A" or "T"

** = Factory Set Heat Speed Tap Setting

### CFM vs. Temperature Rise

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Cubic Feet Per Minute (CFM)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>700</td>
</tr>
<tr>
<td>*UH2B060A936VA</td>
<td>64</td>
</tr>
<tr>
<td>*UH2B080A942VA</td>
<td>62</td>
</tr>
<tr>
<td>*UH2C100A948VA</td>
<td></td>
</tr>
<tr>
<td>*UH2D120A960VA</td>
<td></td>
</tr>
</tbody>
</table>

* - First letter may be "A" or "T*
## Performance Data

### DH2 Furnace Airflow (CFM) vs. External Static Pressure (in. w.c.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed Tap</th>
<th>0.10</th>
<th>0.20</th>
<th>0.30</th>
<th>0.40</th>
<th>0.50</th>
<th>0.60</th>
<th>0.70</th>
<th>0.80</th>
<th>0.90</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>DH2B060A936VA</em></td>
<td>4- High - Black</td>
<td>1343</td>
<td>1287</td>
<td>1228</td>
<td>1167</td>
<td>1104</td>
<td>1035</td>
<td>960</td>
<td>878</td>
<td>782</td>
</tr>
<tr>
<td></td>
<td>3- Med.-High - Blue**</td>
<td>1162</td>
<td>1129</td>
<td>1091</td>
<td>1045</td>
<td>993</td>
<td>935</td>
<td>871</td>
<td>795</td>
<td>706</td>
</tr>
<tr>
<td></td>
<td>2- Med.-Low - Yellow</td>
<td>998</td>
<td>987</td>
<td>967</td>
<td>939</td>
<td>902</td>
<td>855</td>
<td>800</td>
<td>731</td>
<td>644</td>
</tr>
<tr>
<td></td>
<td>1- Low - Red</td>
<td>743</td>
<td>740</td>
<td>734</td>
<td>725</td>
<td>709</td>
<td>685</td>
<td>648</td>
<td>594</td>
<td>520</td>
</tr>
<tr>
<td><em>DH2B080A942VA</em></td>
<td>4- High - Black</td>
<td>1501</td>
<td>1453</td>
<td>1402</td>
<td>1344</td>
<td>1283</td>
<td>1216</td>
<td>1145</td>
<td>1068</td>
<td>986</td>
</tr>
<tr>
<td></td>
<td>3- Med.-High - Blue**</td>
<td>1442</td>
<td>1393</td>
<td>1341</td>
<td>1285</td>
<td>1227</td>
<td>1166</td>
<td>1103</td>
<td>1037</td>
<td>968</td>
</tr>
<tr>
<td></td>
<td>2- Med.-Low - Yellow</td>
<td>1346</td>
<td>1308</td>
<td>1263</td>
<td>1212</td>
<td>1155</td>
<td>1092</td>
<td>1024</td>
<td>950</td>
<td>869</td>
</tr>
<tr>
<td></td>
<td>1- Low - Red</td>
<td>1225</td>
<td>1197</td>
<td>1160</td>
<td>1116</td>
<td>1062</td>
<td>1001</td>
<td>931</td>
<td>853</td>
<td>766</td>
</tr>
<tr>
<td><em>DH2C100A948VA</em></td>
<td>4- High - Black</td>
<td>1835</td>
<td>1772</td>
<td>1709</td>
<td>1637</td>
<td>1566</td>
<td>1485</td>
<td>1405</td>
<td>1313</td>
<td>1222</td>
</tr>
<tr>
<td></td>
<td>3- Med.-High - Blue**</td>
<td>1726</td>
<td>1674</td>
<td>1622</td>
<td>1557</td>
<td>1492</td>
<td>1416</td>
<td>1340</td>
<td>1252</td>
<td>1164</td>
</tr>
<tr>
<td></td>
<td>2- Med.-Low - Yellow</td>
<td>1581</td>
<td>1539</td>
<td>1498</td>
<td>1440</td>
<td>1383</td>
<td>1321</td>
<td>1258</td>
<td>1172</td>
<td>1085</td>
</tr>
<tr>
<td></td>
<td>1- Low - Red</td>
<td>1401</td>
<td>1374</td>
<td>1346</td>
<td>1308</td>
<td>1269</td>
<td>1209</td>
<td>1148</td>
<td>1075</td>
<td>1001</td>
</tr>
<tr>
<td><em>DH2D120A960VA</em></td>
<td>4- High - Black</td>
<td>2147</td>
<td>2074</td>
<td>2000</td>
<td>1941</td>
<td>1881</td>
<td>1807</td>
<td>1732</td>
<td>1655</td>
<td>1576</td>
</tr>
<tr>
<td></td>
<td>3- Med.-High - Blue**</td>
<td>1995</td>
<td>1940</td>
<td>1885</td>
<td>1827</td>
<td>1767</td>
<td>1699</td>
<td>1631</td>
<td>1547</td>
<td>1462</td>
</tr>
<tr>
<td></td>
<td>2- Med.-Low - Yellow</td>
<td>1712</td>
<td>1681</td>
<td>1649</td>
<td>1602</td>
<td>1555</td>
<td>1505</td>
<td>1455</td>
<td>1381</td>
<td>1307</td>
</tr>
<tr>
<td></td>
<td>1- Low - Red</td>
<td>1424</td>
<td>1408</td>
<td>1392</td>
<td>1367</td>
<td>1341</td>
<td>1296</td>
<td>1251</td>
<td>1188</td>
<td>1124</td>
</tr>
</tbody>
</table>

* - First letter may be "A" or "T"

** = Factory Set Heat Speed Tap Setting

### CFM vs. Temperature Rise

<table>
<thead>
<tr>
<th>Model</th>
<th>CFM 600</th>
<th>CFM 700</th>
<th>CFM 800</th>
<th>CFM 900</th>
<th>CFM 1000</th>
<th>CFM 1100</th>
<th>CFM 1200</th>
<th>CFM 1300</th>
<th>CFM 1400</th>
<th>CFM 1500</th>
<th>CFM 1600</th>
<th>CFM 1700</th>
<th>CFM 1800</th>
<th>CFM 1900</th>
<th>CFM 2000</th>
<th>CFM 2100</th>
<th>CFM 2200</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>DH2B060A936VA</em></td>
<td>69</td>
<td>63</td>
<td>60</td>
<td>54</td>
<td>51</td>
<td>46</td>
<td>43</td>
<td>40</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>DH2B080A942VA</em></td>
<td>69</td>
<td>66</td>
<td>62</td>
<td>59</td>
<td>55</td>
<td>52</td>
<td>48</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>DH2C100A948VA</em></td>
<td>69</td>
<td>67</td>
<td>64</td>
<td>61</td>
<td>58</td>
<td>55</td>
<td>51</td>
<td>48</td>
<td>45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>DH2D120A960VA</em></td>
<td>70</td>
<td>66</td>
<td>63</td>
<td>58</td>
<td>54</td>
<td>49</td>
<td>41</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* - First letter may be "A" or "T"
Electrical Data

*UH2 Wiring Diagram

(continued on next page)

From Dwg. D344563
Electrical Data

*UH2 Schematic Diagram

115 VOLT 60 HZ, 1 PH
POWER SUPPLY PER LOCAL CODE

**UH2 Schematic Diagram

FROM DWG. D344563

DIAGNOSTIC CODES (SEE NOTE 8)

RED LED - LIENTP ERR. DATA - 1 FLASH EVERY 20 SECONDS

- FLASHES - SYSTEM (LOCKOUT)
- FLASHES: 1-15 VOLT AC
- FLASHES: OVER RECIEVES EXCEEDED
- FLASHES: GAS VALVE CIRCUIT ERROR
- FLASHES: LIENTP SENSOR SIGNAL
- FLASHES: OPINER LIMIT
- FLASHES: OPEN INDICER LIMIT
- FLASHES: FLAME SENSOR WHEN NO FLAME SHOULD BE PRESENT
- CONTINUOUS: INTERIM CONTROL FAILURE

GREEN LED - STATUS

SLOW FLASH - NORMAL, NO CALL FOR HEAT
FAST FLASH - NORMAL, CALL FOR HEAT PRESENT

Hazardous Voltage

Use Copper Conductors Only!

Intended Furnace Control

Replace with Pipe Cmt D6584 or Equivalent

Timings

Electric Rating: 24 V a.c.
Prepurge: 0 SEC.
Postpurge: 3 SEC.

Ignition: 30 SEC.

Relays: 2, Recievers: 10

Cool on Delay: 5 SECONDS
Auto Restart: 60 MINUTES

Hazardous Voltage

If any of the original wiring as supplied with this furnace must be replaced, it must be with wire having a temperature rating of at least 30 C.

If setting is not fixed on thermostat, for single stage heating thermostat set 750.

For proper operation of cooling speed, **terminal must be connected to the room thermostat.

These leads provide 120V power connections for electronic air cleaner (EAC) and humidifier (HUM) max. load: 10 amps each.

Jumpers W1 and W2 for single stage heating thermostat, second stage will be energized, delayed per stage 4 delay setting.

Power must be off when dip switches are set.

When turning two furnaces, both units must be connected to the same 115 VAC phase.

On power up, last four faults. If any, will be flashed on red led. Green led will be solid on during last fault recovery.

NOTES

1. Red LED - LIENTP ERR. DATA - 1 Flash Every 20 Seconds
2. Flash - SYSTEM (Lockout)
3. Flash - Flash Exceeded
4. Flash - Gas Valve Circuit Error
5. Flash - Open Indicater Limit
6. Flash - Open Indicater Limit
7. Flash - Flame Sensor When No Flame Should Be Present
8. Flash - Continuous Internal Control Failure

GREEN LED - Status

Slow Flash - Normal, No Call For Heat
Fast Flash - Normal, Call For Heat Present

UH2-P
D344563P03
REV00

From Dwg. D344563
Electrical Data

*DH2 Wiring Diagram

**From Dwg. D344564**
Electrical Data

*DH2 Schematic Diagram

DIAGNOSTIC CODES (SEE NOTE 81)

<table>
<thead>
<tr>
<th>LED</th>
<th>Description</th>
<th>Flash Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>Local Fault</td>
<td>1 Flash every 20 seconds</td>
</tr>
<tr>
<td>2 FL</td>
<td>System Overload</td>
<td>1 Flash every 20 seconds</td>
</tr>
<tr>
<td>3 FL</td>
<td>Pressure Switch Fault</td>
<td>2 Flashes</td>
</tr>
<tr>
<td>4 FL</td>
<td>Open Limit Switch</td>
<td>3 Flashes</td>
</tr>
<tr>
<td>5 FL</td>
<td>Flame Sensor Fault</td>
<td>4 Flashes</td>
</tr>
<tr>
<td>6 FL</td>
<td>Gas Valve Circuit Error</td>
<td>5 Flashes</td>
</tr>
<tr>
<td>7 FL</td>
<td>Low Flame Sensor Signal</td>
<td>6 Flashes</td>
</tr>
<tr>
<td>8 FL</td>
<td>Over Booster Limit</td>
<td>7 Flashes</td>
</tr>
<tr>
<td>9 FL</td>
<td>No Flame Should Be Present</td>
<td>8 Flashes</td>
</tr>
</tbody>
</table>

WARNING

HAZARDOUS VOLTAGE

DISCONNECT ALL ELECTRICAL POWER EXCLUDING EMERGENCY DISCONNECTS BEFORE SERVICING.

FRAIL TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

INTEGRATED FURNACE CONTROL

REPLACE WITH PART CM 06984 OR EQUIVALENT

ELECTRICAL RATING

INPUT: 25 VAC - 60 Hz.
FAN MODE: 450 WATTS + / - 5 WATTS
FAN OUTPUT: 3 PHASE OUTPUT
IGNITION OUTPUT: 1.2 K ohm @ 24 VAC
CIRCUIT BREAKER OUTPUT: 14.5 FLA,
COOL ON DELAY: 40 SECONDS
AUTO RESET: 60 MINUTES
AUTO RESTART: 15 SECONDS

DIAGNOSTIC CODES (SEE NOTE 81)

<table>
<thead>
<tr>
<th>LED</th>
<th>Description</th>
<th>Flash Pattern</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>Local Fault</td>
<td>1 Flash every 20 seconds</td>
</tr>
<tr>
<td>2 FL</td>
<td>System Overload</td>
<td>1 Flash every 20 seconds</td>
</tr>
<tr>
<td>3 FL</td>
<td>Pressure Switch Fault</td>
<td>2 Flashes</td>
</tr>
<tr>
<td>4 FL</td>
<td>Open Limit Switch</td>
<td>3 Flashes</td>
</tr>
<tr>
<td>5 FL</td>
<td>Flame Sensor Fault</td>
<td>4 Flashes</td>
</tr>
<tr>
<td>6 FL</td>
<td>Gas Valve Circuit Error</td>
<td>5 Flashes</td>
</tr>
<tr>
<td>7 FL</td>
<td>Low Flame Sensor Signal</td>
<td>6 Flashes</td>
</tr>
<tr>
<td>8 FL</td>
<td>Over Booster Limit</td>
<td>7 Flashes</td>
</tr>
<tr>
<td>9 FL</td>
<td>No Flame Should Be Present</td>
<td>8 Flashes</td>
</tr>
</tbody>
</table>

CAUTION

USE COPPER CONDUCTORS ONLY.

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILING TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

NOTES:

1. IF ANY OF THE ORIGINAL WIRING AS SUPPLIED WITH THIS FURNACE MUST BE REPLACED, IT MUST BE WITH 18/2 HOSC HAVING A TEMPERATURE RATING OF AT LEAST 90°C.
2. THERMOSTAT HEAT ANTICIPATOR SETTING: FIRST STAGE 30 AMPS, SECOND STAGE, 15 AMPS.
3. THE THERMOSTAT IS NOT FIXED ON THERMOSTAT. FOR SINGLE STAGE HEATING THERMOSTAT SET AT 51 AMPS.
4. FOR PROPER OPERATION OF COOLING SPEED, ** TERMINAL MUST BE CONNECTED TO THE ROOM THERMOSTAT.
5. THESE LEADS PROVIDE 120V POWER CONNECTIONS FOR ELECTRONIC AIR CLEANER (EAC) AND HUMIDIFIER (HUMIDITY, MAX. LOAD) 15 AMP EACH.
6. JUMPER WI AND W2 FOR SINGLE STAGE HEATING THERMOSTAT, SECOND STAGE WILL BE STOPPED, DELAYED PER STANDING DELAY SETTING.
7. POWER MUST BE OFF WHEN DIP SWITCHES ARE SET.
8. WHEN TWINING TWO TWIN, BOTH UNITS MUST BE CONNECTED TO THE SAME 115 VAC PHASE. CHARGE THE TWO UNITS WITH AID TO 22 AMP WIRE.
9. ON POWER-UP, LAST TWO FAULTS, IF ANY, WILL BE FLASHED ON RED LED.
10. GREEN LED WILL BE SOLID ON DURING LAST FRAIL RECOVERY.

DH2-P

D344564P03 REVOO

From Dwg. D344564

12

22-1866-05
FIELD WIRING DIAGRAM FOR 2 STAGE FURNACE

2 STAGE HEATING
USING A 2 STAGE HEATING THERMOSTAT
NO COOLING

NOTES:
1. BE SURE POWER AGREES WITH EQUIPMENT NAMPLATE(S).
2. LOW VOLTAGE (24V, WIRING) TO BE NO. 18 A.W.G. MIN.
3. GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
4. SET THERMOSTAT HEAT ANTICIPATOR PER UNIT WIRING DIAGRAM
5. THESE LEADS PROVIDE 115 V. POWER FOR CONNECTION OF ELECTRONIC AIR
CLEANER AND HUMIDIFIER MAX. LOAD 1.0 AMPS EACH.
6. THIS CONNECTION IS ONLY USED FOR THERMOSTATS REQUIRING
CONNECTION TO THE 24 V. POWER SUPPLY. (COMMON)
7. SEE WINNING CONNECTION DIAGRAMS FOR PROPER CONNECTIONS
WHEN USING THIS FEATURE.
8. WHEN A HEATING THERMOSTAT (WITHOUT FAN SWITCH) IS USED,
NO WIRING ON "F" TERMINAL OF TFC IS USED.
9. W1 AND W2 MUST BE JUMPERED TOGETHER FOR PROPER OPERATION.
SEE SW1 SETTINGS FOR 2ND STAGE TIMING. DEFAULT IS 10 MINUTES.

FIELD WIRING DIAGRAM FOR 2 STAGE FURNACE

2 STAGE HEATING
USING A 1 STAGE HEATING THERMOSTAT
NO COOLING

NOTES:
1. BE SURE POWER AGREES WITH EQUIPMENT NAMPLATE(S).
2. LOW VOLTAGE (24V, WIRING) TO BE NO. 18 A.W.G. MIN.
3. GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
4. SET THERMOSTAT HEAT ANTICIPATOR PER UNIT WIRING DIAGRAM
5. THESE LEADS PROVIDE 115 V. POWER FOR CONNECTION OF ELECTRONIC AIR
CLEANER AND HUMIDIFIER MAX. LOAD 1.0 AMPS EACH.
6. THIS CONNECTION IS ONLY USED FOR THERMOSTATS REQUIRING
CONNECTION TO THE 24 V. POWER SUPPLY. (COMMON)
7. SEE WINNING CONNECTION DIAGRAMS FOR PROPER CONNECTIONS
WHEN USING THIS FEATURE.
8. WHEN A HEATING THERMOSTAT (WITHOUT FAN SWITCH) IS USED,
NO WIRING ON "F" TERMINAL OF TFC IS USED.
9. W1 AND W2 MUST BE JUMPERED TOGETHER FOR PROPER OPERATION.
SEE SW1 SETTINGS FOR 2ND STAGE TIMING. DEFAULT IS 10 MINUTES.
Twinning Field Wiring

TWINNING CONNECTION DIAGRAM FOR TWINNING UX/DX-R FURNACES
1 STAGE HEAT / 1 STAGE COOLING THERMOSTAT

NOTES:
1. BOTH FURNACES MUST BE POWERED FROM THE SAME 120V, 15A CIRCUIT PANEL.
2. INSTALL 24V. FURNACE TRANSFORMERS AT UNITS PRIOR TO CONNECTING CONNECTIONS. CHECK REGULARLY TO ENSURE FURNACE TRANSFORMERS ARE NOT OVERHEATED.
3. IF OUTDOOR UNIT HAS A 24V. TRANSFORMER, AN ISOLATION RELAY MUST BE INSTALLED IF FIELDS ARE TO BE CONNECTED TO FACTORY WIRING FROM TRANSFORMER.
4. If CURRENT EXCEEDS INFLUENTIAL CURRENT RATINGS, SEE ISOLATION RELAYS "R1 ", "R2 " AS GARDEN OR FACTORY WIRING TO TRANSFORMER.
5. ISOLATION RELAY CONTACTS ARE RATED AT 1.5A ON AMB.
6. CONNECTIONS MAY BE REQUIRED FOR ELECTRONIC THERMOSTATS.
7. SEE SW1 SETTING FOR 2ND STAGE TIMING, DEFAULT IS 10 MINUTES.

OUTDOOR UNIT NO. 1 (WITH TRANSFORMER)
OUTDOOR UNIT NO. 1 (NO TRANSFORMER)

RC ISOLATION RELAY (FIELD SUPPLIED)
ALTERNATE CONNECTION

SEE NOTE 3
SEE NOTE 4
SEE NOTE 5

JUMPER W1 TO W2 ON BOTH UNITS.

INTER-COMPONENT WIRING

From Dwg. 21B341336 Rev. 2

TWINNING CONNECTION DIAGRAM FOR TWINNING UX/DX-R FURNACES
2 STAGE HEAT / 1 STAGE COOLING THERMOSTAT

NOTES:
1. BOTH FURNACES MUST BE POWERED FROM THE SAME 120V, 15A CIRCUIT PANEL.
2. INSTALL 24V. FURNACE TRANSFORMERS AT UNITS PRIOR TO CONNECTING CONNECTIONS. CHECK REGULARLY TO ENSURE FURNACE TRANSFORMERS ARE NOT OVERHEATED.
3. IF OUTDOOR UNIT HAS A 24V. TRANSFORMER, AN ISOLATION RELAY MUST BE INSTALLED IF FIELDS ARE TO BE CONNECTED TO FACTORY WIRING FROM TRANSFORMER.
4. If CURRENT EXCEEDS INFLUENTIAL CURRENT RATINGS, SEE ISOLATION RELAYS "R1 ", "R2 " AS GARDEN OR FACTORY WIRING TO TRANSFORMER.
5. ISOLATION RELAY CONTACTS ARE RATED AT 1.5A ON AMB.
6. CONNECTIONS MAY BE REQUIRED FOR ELECTRONIC THERMOSTATS.

OUTDOOR UNIT NO. 1 (WITH TRANSFORMER)
OUTDOOR UNIT NO. 1 (NO TRANSFORMER)

RC ISOLATION RELAY (FIELD SUPPLIED)
ALTERNATE CONNECTION

SEE NOTE 3
SEE NOTE 4
SEE NOTE 5

JUMPER W1 TO W2 ON BOTH UNITS.

INTER-COMPONENT WIRING

From Dwg. 21B341337 Rev. 2
**UH2 Dimensions**

**Model (See Note 1 & 2)**

<table>
<thead>
<tr>
<th>Model</th>
<th>DIM &quot;A&quot;</th>
<th>DIM &quot;B&quot;</th>
<th>DIM &quot;C&quot;</th>
<th>DIM &quot;D&quot;</th>
<th>DIM &quot;E&quot;</th>
<th>DIM &quot;F&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>UH2B060A936VA</td>
<td>17-1/2&quot;</td>
<td>2-1/4&quot;</td>
<td>16-1/4&quot;</td>
<td>16&quot;</td>
<td>7-1/2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>UH2B080A942VA</td>
<td>21&quot;</td>
<td>2-1/4&quot;</td>
<td>19-3/4&quot;</td>
<td>19-1/2&quot;</td>
<td>9&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>UH2C100A948VA</td>
<td>23-1/4&quot;</td>
<td>2-15/16&quot;</td>
<td>23-1/4&quot;</td>
<td>23-1/4&quot;</td>
<td>10&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>UH2D120A960VA</td>
<td>24-1/2&quot;</td>
<td>2-15/16&quot;</td>
<td>23-1/4&quot;</td>
<td>23-1/4&quot;</td>
<td>10&quot;</td>
<td>3&quot;</td>
</tr>
</tbody>
</table>

*Prefix May Be "A" or "T"*

1. *UH2D120A960VA Requires 3" Diameter Vent Pipe. *UH2C100A948VA Requires 2-1/2" or 3" Diameter Vent Pipe.
2. Diameter of Vent Pipe may be limited to 2-1/2" or 3" on some models at different altitudes. Refer to the Vent Length Table for proper application.

Notes:

- DIM "A" = INNER WALL CLEARANCE (1/2")
- DIM "B" = 3" GAS SUPPLY LEG (3-1/16")
- DIM "C" = GAS OUTLET LEG (1-7/8")
- DIM "D" = 2-1/2" GAS RETURN LEG (20-1/16")
- DIM "E" = 14-7/8" OUTLET AIR LEG (1-5/8")
- DIM "F" = 28-1/2" INLET AIR LEG

***UH2 UPFLOW / HORIZONTAL OUTLINE DRAWING (ALL DIMENSIONS ARE IN INCHES)***
DH2 Dimensions

* Prefix May Be "A" or "T"

Notes: 1. Diameter of Vent Pipe may be limited to 2-1/2" or 3" on some models at different altitudes. Refer to the Vent Length Table for proper application.

(ALL DIMENSIONS ARE IN INCHES)
Trane has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.

Trane
6200 Troup Highway
Tyler, TX 75707
www.trane.com

Literature Order Number 22-1866-05
File Number 22-1866-05
Supersedes 22-1866-04
Date 03/17

Trane has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.