# Upflow/ Horizontal Left, Downflow/ Horizontal Right Variable Speed Two Stage Condensing Gas-Fired Furnace

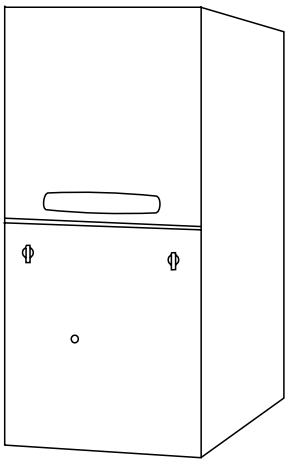
# XV 95

**TUH2B060A9V3VB**
**TUH2B080A9V3VB**
**TUH2B080A9V4VB**
**TUH2C100A9V4VB**
**TUH2C100A9V5VB**
**TUH2D120A9V5VB**

**TDH2B060A9V3VB**
**TDH2B080A9V3VB**
**TDH2B080A9V4VB**
**TDH2C100A9V4VB**
**TDH2D120A9V5VB**

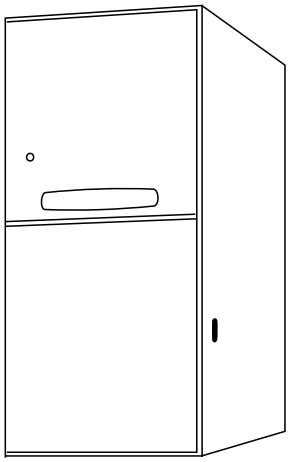
**Direct Vent with**
**Variable Speed Blower**
**Variable Speed Inducer**

***UH-A9V-V**

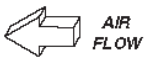


**UPFLOW**

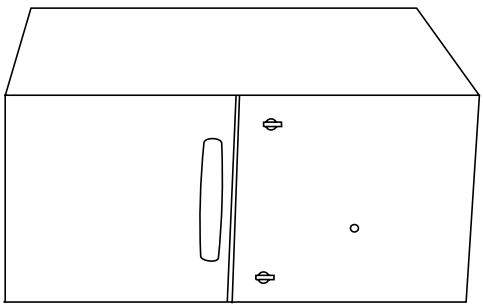
***DH-A9V-V**



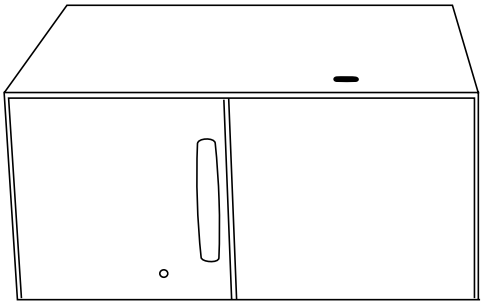
**DOWNFLOW**




**UPFLOW/HORIZONTAL**



**DOWNFLOW/HORIZONTAL**



**PUB. NO. 22-1814-11**

# General Features

**NATURAL GAS MODELS**
Central Heating furnace designs are certified by the American Gas Association 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 additional 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.

**ENERGY EFFICIENT OPERATION**
Furnace is certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to .5" water column with all inlets, outlets, and drains sealed.

**AIR DELIVERY**
The variable speed blower motor has sufficient airflow for most heating and cooling requirements and 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 XV95 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 XV95 High Efficiency Gas Furnaces utilize an Adaptive Heat Up 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.

a. Low energy power venter
b. Vent proving pressure switch.

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# Features and Benefits

## XV 95 STANDARD EQUIPMENT

- Variable Speed Blower Motor
- Silicon Nitride Igniter with adaptive heat up
- Variable speed induced draft blower
- Direct/Non-Direct vent 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
- PVC venting-1 or 2 pipe option
- Accessory hook-up capability
- Integrated solid state control with self-diagnostics
- Attractive color accents
- Heavy gauge aluminized steel heat exchanger
- Multi-port In-shot burners
- Quiet induced draft blower
- Lite Port™ extended system diagnostics
- Stored fault code history in micro processor nonvocatile memory
- Cleanable high velocity filters (upflow only)
- Hinged blower door *
- Perfect fit door latches*
- Insulated blower door*
- Gasketed blower door*
- Complete front service access
- Left/right gas connection
- Adjustable fan off times
- Optional L.P conversion kit
- Selectable cooling fan off delay eliminates need for BAY24X045 time delay kit

* (Upflow only)



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# Features and Benefits

**XV 95 OPTIONAL EQUIPMENT**

| | | |
|---|---|---|
| Thermostat, 2-Stage Heat / 1-Stage Cooling | TAYSTAT241 | [ ] |
| Thermostat, Media Programmable 2-Stage Heating | TAYSTAT302C | [ ] |
| Thermostat, Mechanical Heating Only With Fan Switch | TAYSTAT303C | [ ] |
| Thermostat, Heating/Cooling Single Stage (Mounts Horizontally) | AY28X092 | [ ] |
| Thermostat, Heating/Cooling Single Stage (Mounts Vertically) | BAYSTAT305 | [ ] |
| Thermostat, Media Programmable 1-Stage Heating/1-Stage Cooling | TAYSTAT300C | [ ] |
| Propane Conversion Kit | BAYLPKT210A | [ ] |
| Media Air Filter, “Perfect Fit” High Efficiency (14-1/2" Wide Gas Furnace) | TFM145A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” High Efficiency (17-1/2" Wide Gas Furnace) | TFM175A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” High Efficiency (21" Wide Gas Furnace) | TFM210A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” High Efficiency (24-1/2" Wide Gas Furnace) | TFM245A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” Standard Efficiency (14-1/2" Wide Gas Furnace) | TFP145A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” Standard Efficiency (17-1/2" Wide Gas Furnace) | TFP175A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” Standard Efficiency (21" Wide Gas Furnace) | TFP210A9FR0 | [ ] |
| Media Air Filter, “Perfect Fit” Standard Efficiency (24-1/2" Wide Gas Furnace) | TFP245A9FR0 | [ ] |
| Coil Enclosure (14-1/2" Wide Cabinets) | BAYCLE14A1422A | [ ] |
| Coil Enclosure (17-1/2" Wide Cabinets) | BAYCLE17A1722A | [ ] |
| Coil Enclosure (21" Wide Cabinets) | BAYCLE21A2130A | [ ] |
| Coil Enclosure (24-1/2" Wide Cabinets) | BAYCLE24A2430A | [ ] |
| Downflow Subbase | BAYBASE205 | [ ] |
| Side Filter Rack | BAYFLTR200 | [ ] |
| Filter Kit/Horizontal Conversion TUH2-060,080 | BAYFLTR203 | [ ] |
| Filter Kit/Horizontal Conversion TUH2-100 | BAYFLTR204 | [ ] |
| Filter Kit/Horizontal Conversion TUH2-120 | BAYFLTR205 | [ ] |
| High Altitude Pressure Switch Kit TUH2-060 | BAYSWT10AHALTA① | [ ] |
| High Altitude Pressure Switch Kit TUH2-080,100,120 | BAYSWT08AHALTA① | [ ] |
| Concentric Vent Kit TUH2 Furnaces | BAYAIR30AVENTA | [ ] |
| Sidewall Vent Termination Kit All 2 Pipe Direct Vent Furnaces | BAYVENT200B | [ ] |
| Manufactured/Mobile Home Kit All 2 Pipe Direct Vent Furnaces | BAYMFGH100A | [ ] |
| Cleanable Filter (14.5"/17.5" wide Upflow models) | BAYFLTR317 | [ ] |
| Cleanable Filter (21" wide Upflow models) | BAYFLTR321 | [ ] |
| Cleanable Filter (24.5" wide Upflow models) | BAYFLTR324 | [ ] |
| CleanEffects™, Whole House Air Cleaner (Upflow 14-1/2" Wide Gas Furnace) | TFD145ALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Upflow 17-1/2" Wide Gas Furnace) | TFD175ALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Upflow 21" Wide Gas Furnace) | TFD210ALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Upflow 24-1/2" Wide Gas Furnace) | TFD245ALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Downflow 14-1/2" Wide Gas Furnace) | TFD14DALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Downflow 17-1/2" Wide Gas Furnace) | TFD17DALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Downflow 21" Wide Gas Furnace) | TFD21DALFR000B | [ ] |
| CleanEffects™, Whole House Air Cleaner (Downflow 24-1/2" Wide Gas Furnace) | TFD24DALFR000B | [ ] |
| CleanEffects™, Whole House Transformer Kit (120 to 24 Volt - all TFD Air Cleaners) | BAYTRANS12024 | [ ] |

① Optional kit allows 200 ft. max. vent length from 5,000-12,000 feet above sea level. See installer's guide.

# General Data

## TUH2 PRODUCT SPECIFICATIONS①

### Product Specifications ①

| MODEL | TUH2B060A9V3VB ⑤ | TUH2B080A9V3VB ⑤ | TUH2B080A9V4VB ⑤ | TUH2C100A9V4VB ⑤ |
|---|---|---|---|---|
| **TYPE** | Upflow / Horizontal | Upflow / Horizontal | Upflow / Horizontal | Upflow / Horizontal |
| **RATINGS** ② | | | | |
| 1st Stage Input BTUH | 39,000 | 52,000 | 52,000 | 65,000 |
| 1st Stage Capacity BTUH (ICS) ③ | 37,830 | 50,440 | 50,440 | 62,855 |
| 2nd Stage Input BTUH | 60,000 | 80,000 | 80,000 | 100,000 |
| 2nd Stage Capacity BTUH (ICS) ③ | 58,200 | 77,600 | 77,600 | 96,700 |
| AFUE | 97 | 97 | 97 | 96.7 |
| Temp. rise (Min.-Max.) °F. | 35 - 65 | 35 - 65 | 35 - 65 | 35 - 65 |
| **BLOWER DRIVE** | DIRECT | DIRECT | DIRECT | DIRECT |
| Diameter - Width (In.) | 10 x 8 | 10 x 8 | 11 x 8 | 10 x 10 |
| No. Used | 1 | 1 | 1 | 1 |
| Speeds (No.) | Variable | Variable | Variable | Variable |
| CFM vs. in. w.g. | See Fan Performance Table | See Fan Performance Table | See Fan Performance Table | See Fan Performance Table |
| Motor HP | 1/2 | 1/2 | 3/4 | 3/4 |
| R.P.M. | Variable | Variable | Variable | Variable |
| Volts / Ph / Hz | 115/1/60 | 115/1/60 | 115/1/60 | 115/1/60 |
| FLA | 7.7 | 7.7 | 9.6 | 9.6 |
| **COMBUSTION FAN - Type** | Centrifugal | Centrifugal | Centrifugal | Centrifugal |
| Drive - No. Speeds | Direct - Variable | Direct - Variable | Direct - Variable | Direct - Variable |
| Motor HP - RPM | 1/50 - 5000 | 1/50 - 5000 | 1/50 - 5000 | 1/50 - 5000 |
| Volts / Ph / Hz | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 |
| FLA | 1.0 | 1.0 | 1.0 | 1.0 |
| **FILTER — Furnished?** | Yes | Yes | Yes | Yes |
| Type Recommended | High Velocity | High Velocity | High Velocity | High Velocity |
| Hi Vel. (No.-Size-Thk.) | 1 - 17x25 - 1 in. | 1 - 17x25 - 1 in. | 1 - 17x25 - 1 in. | 1 - 20x25 - 1 in. |
| **VENT — Size (in.)** | 2 Round | 2 Round | 2 Round | 3 Round |
| **HEAT EXCHANGER** | | | | |
| Type -Fired<br>-Unfired | Aluminized Steel - Type I | Aluminized Steel - Type I | Aluminized Steel - Type I | Aluminized Steel - Type I |
| Gauge (Fired) | 20 | 20 | 20 | 20 |
| **ORIFICES — Main** | | | | |
| Nat. Gas. Qty. — Drill Size | 3 — 45 | 4 — 45 | 4 — 45 | 5 — 45 |
| L.P. Gas Qty. — Drill Size | 3 — 56 | 4 — 56 | 4 — 56 | 5 — 56 |
| **GAS VALVE** | Redundant - Two Stage | Redundant - Two Stage | Redundant - Two Stage | Redundant - Two Stage |
| **PILOT SAFETY DEVICE** | | | | |
| Type | Hot Surface Igniter | Hot Surface Igniter | Hot Surface Igniter | Hot Surface Igniter |
| **BURNERS — Type** | Multiport Inshot | Multiport Inshot | Multiport Inshot | Multiport Inshot |
| Number | 3 | 4 | 4 | 5 |
| **POWER CONN. — V / Ph / Hz** ④ | 115/1/60 | 115/1/60 | 115/1/60 | 115/1/60 |
| Ampacity (In Amps) | 10.8 | 10.8 | 13.2 | 13.2 |
| Max. Overcurrent Protection (Amps) | 15 | 15 | 15 | 15 |
| **PIPE CONN. SIZE (IN.)** | 1/2 | 1/2 | 1/2 | 1/2 |
| **DIMENSIONS** | H x W x D | H x W x D | H x W x D | H x W x D |
| Crated (In.) | 41-3/4 x 19-1/2 x 30-1/2 | 41-3/4 x 19-1/2 x 30-1/2 | 41-3/4 x 19-1/2 x 30-1/2 | 41-3/4 x 23 x 30-1/2 |
| **WEIGHT** | | | | |
| Shipping (Lbs.) / Net (Lbs) | 158 / 146 | 168 / 156 | 170 / 158 | 197 / 185 |

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 applicaitons, 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.
⑤ Energy Star


Pub. No. 22-1814-11

# General Data

## TUH2/TDH2 PRODUCT SPECIFICATIONS①

### PRODUCT SPECIFICATIONS ①

| MODEL | TUH2C100A9V5VB ⑤ | TUH2D120A9V5VB ⑤ | TDH2B060A9V3VB ⑤ | TDH2B080A9V3VB ⑤ |
|---|---|---|---|---|
| **TYPE** | Upflow / Horizontal | Upflow / Horizontal | Downflow / Horizontal | Downflow / Horizontal |
| **RATINGS** ② | | | | |
| 1st Stage Input BTUH | 65,000 | 78,000 | 39,000 | 52,000 |
| 1st Stage Capacity BTUH (ICS) ③ | 62,855 | 75,426 | 37,000 | 49,400 |
| 2nd Stage Input BTUH | 100,000 | 120,000 | 60,000 | 80,000 |
| 2nd Stage Capacity BTUH (ICS) ③ | 96,700 | 116,040 | 57,000 | 76,000 |
| AFUE | 96.7 | 96.7 | 96 | 96 |
| Temp. rise (Min.-Max.) °F. | 35 - 65 | 40 - 70 | 35 - 65 | 35 - 65 |
| **BLOWER DRIVE** | DIRECT | DIRECT | DIRECT | DIRECT |
| Diameter - Width (In.) | 11 x 10 | 10 x 10 | 10 x 8 | 10 x 8 |
| No. Used | 1 | 1 | 1 | 1 |
| Speeds (No.) | Variable | Variable | Variable | Variable |
| CFM vs. in. w.g. | See Fan Performance Table | See Fan Performance Table | See Fan Performance Table | See Fan Performance Table |
| Motor HP | 1 | 1 | 1/2 | 1/2 |
| R.P.M. | Variable | Variable | Variable | Variable |
| Volts / Ph / Hz | 115/1/60 | 115/1/60 | 115/1/60 | 115/1/60 |
| FLA | 12.8 | 12.8 | 7.7 | 7.7 |
| **COMBUSTION FAN - Type** | Centrifugal | Centrifugal | Centrifugal | Centrifugal |
| Drive - No. Speeds | Direct - Variable | Direct - Variable | Direct - Variable | Direct - Variable |
| Motor HP - RPM | 1/50 - 5000 | 1/50 - 5000 | 1/50 - 5000 | 1/50 - 5000 |
| Volts / Ph / Hz | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 |
| FLA | 1.0 | 1.0 | 1.0 | 1.0 |
| **FILTER — Furnished?** | Yes | Yes | Yes | Yes |
| Type Recommended | High Velocity | High Velocity | High Velocity | High Velocity |
| Hi Vel. (No.-Size-Thk.) | 1 - 20x25 - 1 in. | 1 - 24x25 - 1 in. | 2 - 14x20 - 1 in. | 2 - 14x20 - 1 in. |
| **VENT — Size (in.)** | 3 Round | 3 Round | 2 Round | 2 Round |
| **HEAT EXCHANGER** | | | | |
| Type -Fired<br>-Unfired | Aluminized Steel - Type I | Aluminized Steel - Type I | Aluminized Steel - Type I | Aluminized Steel - Type I |
| Gauge (Fired) | 20 | 20 | 20 | 20 |
| **ORIFICES — Main** | | | | |
| Nat. Gas. Qty. — Drill Size | 5 — 45 | 6 — 45 | 3 — 45 | 4 — 45 |
| L.P. Gas Qty. — Drill Size | 5 — 56 | 6 — 56 | 3 — 56 | 4 — 56 |
| **GAS VALVE** | Redundant - Two Stage | Redundant - Two Stage | Redundant - Two Stage | Redundant - Two Stage |
| **PILOT SAFETY DEVICE** | | | | |
| Type | Hot Surface Igniter | Hot Surface Igniter | Hot Surface Igniter | Hot Surface Igniter |
| **BURNERS — Type** | Multiport Inshot | Multiport Inshot | Multiport Inshot | Multiport Inshot |
| Number | 5 | 6 | 3 | 4 |
| **POWER CONN. — V / Ph / Hz** ④ | 115/1/60 | 115/1/60 | 115/1/60 | 115/1/60 |
| Ampacity (In Amps) | 17.2 | 17.2 | 10.8 | 10.8 |
| Max. Overcurrent Protection (Amps) | 20 | 20 | 15 | 15 |
| **PIPE CONN. SIZE (IN.)** | 1/2 | 1/2 | 1/2 | 1/2 |
| **DIMENSIONS** | H x W x D | H x W x D | H x W x D | H x W x D |
| Crated (In.) | 41-3/4 x 23 x 30-1/2 | 41-3/4 x 26-1/2 x 30-1/2 | 41-3/4 x 19-1/2 x 30-1/2 | 41-3/4 x 19-1/2 x 30-1/2 |
| **WEIGHT** | | | | |
| Shipping (Lbs.) / Net (Lbs) | 199 / 187 | 206 / 193 | 160/ 146 | 168 / 158 |

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 applicaitons, 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.
⑤ Energy Star

# General Data

## TDH2 PRODUCT SPECIFICATIONS①

## PRODUCT SPECIFICATIONS ①

| MODEL | TDH2B080A9V4VB ⑤ | TDH2C100A9V4VB ⑤ | TDH2D120A9V5VB ⑤ |
|---|---|---|---|
| **TYPE** | Downflow / Horizontal | Downflow / Horizontal | Downflow / Horizontal |
| **RATINGS** ② | | | |
| 1st Stage Input BTUH | 52,000 | 65,000 | 78,000 |
| 1st Stage Capacity BTUH (ICS) ③ | 49,400 | 61,750 | 74,000 |
| 2nd Stage Input BTUH | 80,000 | 100,000 | 120,000 |
| 2nd Stage Capacity BTUH (ICS) ③ | 76,000 | 95,000 | 114,000 |
| AFUE | 95 | 96 | 96 |
| Temp. rise (Min.-Max.) °F. | 35 - 65 | 35 - 65 | 40 - 70 |
| **BLOWER DRIVE** | DIRECT | DIRECT | DIRECT |
| Diameter - Width (In.) | 11 x 8 | 10 x 10 | 10 x 10 |
| No. Used | 1 | 1 | 1 |
| Speeds (No.) | Variable | Variable | Variable |
| CFM vs. in. w.g. | See Fan Performance Table | See Fan Performance Table | See Fan Performance Table |
| Motor HP | 3/4 | 3/4 | 1 |
| R.P.M. | Variable | Variable | Variable |
| Volts / Ph / Hz | 115/1/60 | 115/1/60 | 115/1/60 |
| FLA | 9.6 | 9.6 | 12.8 |
| **COMBUSTION FAN - Type** | Centrifugal | Centrifugal | Centrifugal |
| Drive - No. Speeds | Direct - Variable | Direct - Variable | Direct - Variable |
| Motor HP - RPM | 1/50 - 5000 | 1/50 - 5000 | 1/50 - 5000 |
| Volts / Ph / Hz | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 | 33 - 110/3/60 - 180 |
| FLA | 1.0 | 1.0 | 1.0 |
| **FILTER — Furnished?** | Yes | Yes | Yes |
| Type Recommended | High Velocity | High Velocity | High Velocity |
| Hi Vel. (No.-Size-Thk.) | 2 - 14x20 - 1 in. | 2 - 16x20 - 1 in. | 2 - 16x20 - 1 in. |
| **VENT — Size (in.)** | 2 Round | 3 Round | 3 Round |
| **HEAT EXCHANGER** | | | |
| Type -Fired | Aluminized Steel - Type I | Aluminized Steel - Type I | Aluminized Steel - Type I |
| -Unfired | | | |
| Gauge (Fired) | 20 | 20 | 20 |
| **ORIFICES — Main** | | | |
| Nat. Gas. Qty. — Drill Size | 4 — 45 | 5 — 45 | 6 — 45 |
| L.P. Gas Qty. — Drill Size | 4 — 56 | 5 — 56 | 6 — 56 |
| **GAS VALVE** | Redundant - Two Stage | Redundant - Two Stage | Redundant - Two Stage |
| **PILOT SAFETY DEVICE** | | | |
| Type | Hot Surface Igniter | Hot Surface Igniter | Hot Surface Igniter |
| **BURNERS — Type** | Multiport Inshot | Multiport Inshot | Multiport Inshot |
| Number | 4 | 5 | 6 |
| **POWER CONN. — V / Ph / Hz** ④ | 115/1/60 | 115/1/60 | 115/1/60 |
| Ampacity (In Amps) | 13.2 | 13.2 | 17.2 |
| Max. Overcurrent Protection (Amps) | 15 | 15 | 20 |
| **PIPE CONN. SIZE (IN.)** | 1/2 | 1/2 | 1/2 |
| **DIMENSIONS** | H x W x D | H x W x D | H x W x D |
| Crated (In.) | 41-3/4 x 19-1/2 x 30-1/2 | 41-3/4 x 23 x 30-1/2 | 41-3/4 x 26-1/2 x 30-1/2 |
| **WEIGHT** | | | |
| Shipping (Lbs.) / Net (Lbs) | 172 / 160 | 185 / 175 | 206 / 196 |

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 applicaitons, 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.
⑤ Energy Star


Pub. No. 22-1814-11

| *UH2B060A9V3V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st Stage Capacity = 37,830<br>2nd Stage Capacity = 58,200 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 600<br>57<br>85 | 600<br>57<br>110 | 600<br>57<br>155 | 600<br>57<br>190 | - |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 700<br>49<br>90 | 700<br>49<br>130 | 700<br>49<br>175 | 700<br>49<br>210 | - |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 775<br>44<br>105 | 775<br>44<br>155 | 775<br>44<br>195 | 775<br>44<br>240 | - |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 870<br>39<br>135 | 870<br>39<br>185 | 870<br>39<br>235 | 870<br>39<br>290 | - |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 860<br>61<br>140 | 920<br>57<br>200 | 920<br>57<br>245 | 920<br>57<br>300 | 670<br>79<br>245 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1000<br>53<br>190 | 1000<br>53<br>255 | 1000<br>53<br>305 | 1000<br>53<br>340 | 700<br>75<br>255 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1125<br>47<br>250 | 1125<br>47<br>315 | 1125<br>47<br>370 | 1025<br>51<br>355 | 775<br>68<br>285 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1250<br>42<br>340 | 1250<br>42<br>405 | 1250<br>42<br>445 | 1100<br>48<br>390 | 1000<br>53<br>355 |
| NOTES: * First letter may be "A" or "T"<br>** Factory setting | | | | | | | | | |

| *UH2B060A9V3V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 1.5 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 575<br>65 | 575<br>90 | 575<br>125 | 550<br>155 | - |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 640<br>70 | 640<br>110 | 640<br>140 | 630<br>175 | - |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 700<br>85 | 700<br>125 | 700<br>160 | 700<br>200 | - |
| 2.0 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 700<br>100 | 700<br>130 | 700<br>170 | 700<br>210 | - |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 800<br>115 | 800<br>155 | 800<br>200 | 800<br>250 | - |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 900<br>140 | 900<br>195 | 900<br>240 | 900<br>290 | - |
| 2.5 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 875<br>130 | 875<br>180 | 875<br>230 | 875<br>270 | - |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1000<br>175 | 1000<br>235 | 1000<br>285 | 1000<br>335 | 900<br>310 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1125<br>235 | 1125<br>295 | 1125<br>345 | 1100<br>370 | 925<br>318 |
| 3 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1050<br>195 | 1050<br>260 | 1050<br>305 | 1050<br>350 | 920<br>315 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1200<br>275 | 1200<br>330 | 1200<br>385 | 1100<br>385 | 940<br>330 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 1325<br>360 | 1325<br>425 | 1300<br>460 | 1175<br>425 | 1000<br>365 |
| NOTES: * First letter may be "A" or "T"<br>1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.<br>2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;<br>NORMAL airflow (400 cfm/ton) is typical setting;<br>HIGH airflow (450 cfm/ton) is DRY CLIMATE setting. | | | | | | | | | | | |



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| *UH2B080A9V3V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st Stage Capacity = 50,440<br>2nd Stage Capacity = 77,600 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 800<br>56<br>105 | 800<br>56<br>140 | 800<br>56<br>180 | 800<br>56<br>220 | 800<br>56<br>265 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 860<br>52<br>115 | 880<br>51<br>165 | 890<br>50<br>215 | 920<br>48<br>265 | 910<br>49<br>320 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 960<br>46<br>150 | 990<br>45<br>200 | 1000<br>44<br>230 | 1020<br>44<br>310 | 1010<br>44<br>350 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1080<br>41<br>195 | 1110<br>40<br>255 | 1120<br>40<br>315 | 1120<br>40<br>365 | 1080<br>41<br>390 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1100<br>62<br>205 | 1100<br>62<br>260 | 1120<br>61<br>320 | 1120<br>61<br>370 | 1090<br>63<br>400 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1210<br>57<br>265 | 1240<br>55<br>340 | 1260<br>54<br>410 | 1260<br>54<br>470 | 1130<br>61<br>430 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1360<br>50<br>365 | 1390<br>49<br>445 | 1400<br>49<br>500 | 1360<br>50<br>535 | 1210<br>57<br>475 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1360<br>50<br>355 | 1390<br>49<br>450 | 1400<br>49<br>520 | 1350<br>51<br>535 | 1180<br>58<br>465 |
| NOTES: * First letter may be "A" or "T"<br>** Factory setting | | | | | | | | | |

| *UH2B080A9V3V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 2.0 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 750<br>84 | 750<br>122 | 750<br>154 | 720<br>185 | 710<br>221 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 840<br>109 | 840<br>146 | 840<br>181 | 840<br>226 | 820<br>264 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 940<br>136 | 940<br>177 | 940<br>215 | 940<br>274 | 940<br>318 |
| 2.5 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 850<br>113 | 850<br>150 | 870<br>200 | 890<br>250 | 890<br>295 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 960<br>150 | 990<br>200 | 1000<br>230 | 1020<br>305 | 1010<br>350 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1080<br>195 | 1110<br>255 | 1120<br>315 | 1120<br>365 | 1080<br>390 |
| 3.0 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1020<br>175 | 1020<br>225 | 1040<br>280 | 1050<br>330 | 1050<br>375 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1170<br>240 | 1180<br>300 | 1200<br>365 | 1200<br>415 | 1130<br>420 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1290<br>310 | 1320<br>410 | 1350<br>470 | 1340<br>520 | 1150<br>440 |
| 3.5 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1170<br>250 | 1190<br>315 | 1210<br>370 | 1210<br>435 | 1100<br>405 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1360<br>365 | 1390<br>445 | 1400<br>500 | 1360<br>535 | 1210<br>475 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 1360<br>355 | 1390<br>450 | 1400<br>520 | 1350<br>535 | 1180<br>460 |
| NOTES: * First letter may be "A" or "T"<br>1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.<br>2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;<br>NORMAL airflow (400 cfm/ton) is typical setting;<br>HIGH airflow (450 cfm/ton) is DRY CLIMATE setting. | | | | | | | | | | | |



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| *UH2B080A9V4V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st Stage Capacity = 50,440<br>2nd Stage Capacity = 77,600 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 800<br>56<br>105 | 800<br>56<br>140 | 800<br>56<br>180 | 800<br>56<br>220 | 800<br>56<br>265 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 860<br>52<br>115 | 880<br>51<br>165 | 890<br>50<br>215 | 920<br>48<br>265 | 910<br>49<br>320 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 960<br>46<br>150 | 990<br>45<br>200 | 1000<br>44<br>230 | 1020<br>44<br>310 | 1010<br>44<br>350 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1080<br>41<br>195 | 1110<br>40<br>255 | 1120<br>40<br>315 | 1120<br>40<br>365 | 1080<br>41<br>390 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1100<br>62<br>205 | 1100<br>62<br>260 | 1120<br>61<br>320 | 1120<br>61<br>370 | 1090<br>63<br>400 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1210<br>57<br>265 | 1240<br>55<br>340 | 1260<br>54<br>410 | 1260<br>54<br>470 | 1130<br>61<br>430 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1360<br>50<br>365 | 1390<br>49<br>445 | 1400<br>49<br>500 | 1360<br>50<br>535 | 1210<br>57<br>475 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1360<br>50<br>355 | 1390<br>49<br>450 | 1400<br>49<br>520 | 1350<br>51<br>535 | 1180<br>58<br>465 |
| NOTES: * First letter may be "A" or "T"<br>** Factory setting | | | | | | | | | |

| *UH2B080A9V4V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 2.5 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 857<br>107 | 849<br>143 | 841<br>179 | 833<br>223 | 825<br>266 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 970<br>158 | 971<br>205 | 973<br>251 | 966<br>298 | 960<br>345 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 1082<br>209 | 1093<br>266 | 1104<br>323 | 1099<br>374 | 1095<br>424 |
| 3.0 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 1004<br>153 | 1019<br>210 | 1035<br>267 | 1038<br>321 | 1041<br>374 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1163<br>249 | 1173<br>311 | 1184<br>372 | 1179<br>426 | 1174<br>480 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1323<br>345 | 1328<br>411 | 1332<br>477 | 1320<br>532 | 1307<br>586 |
| 3.5 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1176<br>254 | 1188<br>317 | 1200<br>380 | 1195<br>437 | 1190<br>494 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1356<br>379 | 1362<br>446 | 1368<br>514 | 1353<br>568 | 1339<br>623 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1536<br>503 | 1536<br>575 | 1536<br>647 | 1512<br>699 | 1488<br>751 |
| 4.0 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1376<br>374 | 1367<br>429 | 1359<br>483 | 1354<br>547 | 1348<br>611 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1562<br>530 | 1562<br>604 | 1563<br>677 | 1531<br>720 | 1499<br>765 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 1768<br>757 | 1759<br>830 | 1749<br>902 | 1654<br>866 | 1559<br>829 |
| NOTES: * First letter may be "A" or "T"<br>1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.<br>2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;<br>NORMAL airflow (400 cfm/ton) is typical setting;<br>HIGH airflow (450 cfm/ton) is DRY CLIMATE setting. | | | | | | | | | | | |



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| *UH2C100A9V4V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st Stage Capacity = 62,855<br>2nd Stage Capacity = 96,700 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 873<br>64<br>100 | 893<br>63<br>145 | 900<br>62<br>195 | 899<br>62<br>240 | 902<br>62<br>290 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 971<br>58<br>115 | 997<br>56<br>170 | 1006<br>56<br>220 | 1022<br>55<br>280 | 1029<br>54<br>335 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1136<br>49<br>160 | 1146<br>49<br>230 | 1165<br>48<br>295 | 1180<br>47<br>365 | 1184<br>47<br>425 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1258<br>44<br>225 | 1298<br>43<br>300 | 1319<br>42<br>390 | 1328<br>42<br>450 | 1286<br>44<br>490 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1260<br>68<br>213 | 1304<br>66<br>305 | 1329<br>65<br>380 | 1334<br>65<br>460 | 1317<br>65<br>510 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1464<br>59<br>315 | 1471<br>59<br>405 | 1478<br>58<br>485 | 1478<br>58<br>560 | 1350<br>64<br>540 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1631<br>53<br>450 | 1678<br>51<br>570 | 1690<br>51<br>670 | 1579<br>55<br>645 | 1419<br>61<br>585 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1846<br>47<br>640 | 1867<br>46<br>760 | 1794<br>48<br>770 | 1644<br>52<br>700 | 1498<br>57<br>650 |
| NOTES: * First letter may be "A" or "T"<br>** Factory setting | | | | | | | | | |

| *UH2C100A9V4V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 2.5 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 808<br>75 | 824<br>125 | 840<br>170 | 835<br>210 | 830<br>250 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 938<br>100 | 963<br>160 | 959<br>205 | 964<br>255 | 975<br>310 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 1058<br>150 | 1100<br>200 | 1121<br>265 | 1136<br>330 | 1142<br>395 |
| 3.0 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 1004<br>120 | 1010<br>175 | 1027<br>230 | 1044<br>285 | 1050<br>345 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1141<br>170 | 1190<br>245 | 1214<br>310 | 1229<br>380 | 1234<br>450 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1336<br>250 | 1375<br>330 | 1387<br>410 | 1388<br>480 | 1384<br>545 |
| 3.5 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1153<br>180 | 1206<br>250 | 1230<br>320 | 1239<br>395 | 1244<br>460 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1390<br>285 | 1418<br>465 | 1439<br>445 | 1441<br>515 | 1373<br>540 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1575<br>400 | 1606<br>495 | 1632<br>590 | 1596<br>645 | 1445<br>590 |
| 4.0 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1388<br>290 | 1423<br>360 | 1444<br>440 | 1444<br>515 | 1390<br>540 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1610<br>415 | 1641<br>515 | 1666<br>635 | 1607<br>650 | 1449<br>595 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 1847<br>630 | 1863<br>735 | 1816<br>780 | 1687<br>720 | 1532<br>665 |
| NOTES: *First letter may be "A" or "T"<br>1. At Continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.<br>2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;<br>NORMAL airflow (400 cfm/ton) is typical setting;<br>HIGH airflow (450 cfm/ton) is DRY CLIMATE setting. | | | | | | | | | | | |



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| *UH2C100A9V5V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st Stage Capacity = 62,855<br>2nd Stage Capacity = 96,700 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 873<br>64<br>100 | 893<br>63<br>145 | 900<br>62<br>195 | 899<br>62<br>240 | 902<br>62<br>290 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 971<br>58<br>115 | 997<br>56<br>170 | 1006<br>56<br>220 | 1022<br>55<br>280 | 1029<br>54<br>335 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1136<br>49<br>160 | 1146<br>49<br>230 | 1165<br>48<br>295 | 1180<br>47<br>365 | 1184<br>47<br>425 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1258<br>44<br>225 | 1298<br>43<br>300 | 1319<br>42<br>390 | 1328<br>42<br>450 | 1286<br>44<br>490 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1260<br>68<br>213 | 1304<br>66<br>305 | 1329<br>65<br>380 | 1334<br>65<br>460 | 1317<br>65<br>510 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1464<br>59<br>315 | 1471<br>59<br>405 | 1478<br>58<br>485 | 1478<br>58<br>560 | 1350<br>64<br>540 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1631<br>53<br>450 | 1678<br>51<br>570 | 1690<br>51<br>670 | 1579<br>55<br>645 | 1419<br>61<br>585 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1846<br>47<br>640 | 1867<br>46<br>760 | 1794<br>48<br>770 | 1644<br>52<br>700 | 1498<br>57<br>650 |

NOTES:
* First letter may be "A" or "T"
** Factory setting

| *UH2C100A9V5V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 3.5 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 1163<br>222 | 1201<br>304 | 1209<br>375 | 1200<br>433 | 1199<br>495 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1339<br>331 | 1365<br>400 | 1366<br>477 | 1377<br>555 | 1382<br>636 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1515<br>440 | 1538<br>535 | 1549<br>620 | 1553<br>708 | 1547<br>796 |
| 4.0 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1339<br>331 | 1365<br>400 | 1366<br>477 | 1377<br>555 | 1382<br>636 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1550<br>471 | 1562<br>550 | 1574<br>645 | 1575<br>733 | 1564<br>813 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1744<br>626 | 1758<br>736 | 1770<br>838 | 1772<br>935 | 1760<br>1018 |
| 5.0 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1695<br>578 | 1709<br>728 | 1721<br>820 | 1772<br>930 | 1711<br>1007 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1919<br>862 | 1919<br>958 | 1905<br>1043 | 1831<br>1043 | 1709<br>982 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | NA<br>NA | NA<br>NA | NA<br>NA | NA<br>NA | NA<br>NA |

NOTES: *First letter may be "A" or "T"
1. At Continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.
2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;
   NORMAL airflow (400 cfm/ton) is typical setting;
   HIGH airflow (450 cfm/ton) is DRY CLIMATE setting.
3. NA = Not allowed.



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| *UH2D120A9V5V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st Stage Capacity = 75,426<br>2nd Stage Capacity = 116,040 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1090<br>62<br>165 | 1120<br>60<br>225 | 1080<br>63<br>270 | 1070<br>63<br>310 | 1010<br>67<br>380 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1210<br>56<br>220 | 1200<br>56<br>280 | 1200<br>56<br>330 | 1180<br>57<br>395 | 1160<br>58<br>455 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1340<br>50<br>295 | 1360<br>50<br>350 | 1370<br>49<br>425 | 1380<br>49<br>495 | 1330<br>51<br>535 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1430<br>47<br>390 | 1570<br>43<br>490 | 1580<br>43<br>565 | 1570<br>43<br>625 | 1390<br>49<br>565 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1660<br>63<br>485 | 1690<br>62<br>590 | 1680<br>62<br>640 | 1640<br>64<br>675 | 1460<br>72<br>600 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1870<br>56<br>675 | 1870<br>56<br>745 | 1810<br>58<br>770 | 1680<br>62<br>715 | 1490<br>70<br>625 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 2060<br>51<br>880 | 1990<br>53<br>890 | 1850<br>57<br>810 | 1710<br>61<br>750 | 1530<br>68<br>665 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 2200<br>48<br>1030 | 2090<br>50<br>965 | 1940<br>54<br>895 | 1790<br>58<br>830 | 1640<br>64<br>750 |

NOTES:
* First letter may be "A" or "T"
** Factory setting

| *UH2D120A9V5V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 3.5 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 1210<br>220 | 1210<br>270 | 1220<br>325 | 1230<br>400 | 1230<br>445 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1400<br>305 | 1440<br>390 | 1450<br>465 | 1450<br>510 | 1410<br>560 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1590<br>425 | 1600<br>520 | 1610<br>600 | 1600<br>645 | 1380<br>575 |
| 4.0 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1390<br>305 | 1400<br>375 | 1430<br>445 | 1440<br>515 | 1420<br>565 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1620<br>420 | 1650<br>530 | 1670<br>595 | 1640<br>660 | 1480<br>600 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1840<br>600 | 1830<br>690 | 1820<br>765 | 1670<br>700 | 1490<br>620 |
| 5 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1800<br>570 | 1780<br>630 | 1780<br>705 | 1700<br>695 | 1530<br>615 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 2050<br>845 | 2010<br>875 | 1860<br>805 | 1710<br>735 | 1530<br>655 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 2160<br>995 | 2040<br>935 | 1920<br>875 | 1780<br>805 | 1620<br>730 |

NOTES: * First letter may be "A" or "T"
1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.
2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;
NORMAL airflow (400 cfm/ton) is typical setting;
HIGH airflow (450 cfm/ton) is DRY CLIMATE setting.



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| *DH2B060A9V3V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st STAGE CAPACITY = 37,440<br>2nd STAGE CAPACITY = 57,600 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 600<br>56<br>55 | 600<br>56<br>85 | 600<br>56<br>120 | 600<br>56<br>150 | 600<br>56<br>185 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 675<br>50<br>65 | 675<br>50<br>105 | 675<br>50<br>140 | 675<br>50<br>175 | 675<br>50<br>205 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 750<br>45<br>85 | 750<br>45<br>125 | 750<br>45<br>160 | 750<br>45<br>210 | 750<br>45<br>260 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 850<br>40<br>115 | 850<br>40<br>155 | 850<br>40<br>205 | 850<br>40<br>260 | 850<br>40<br>320 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 900<br>58<br>125 | 900<br>58<br>165 | 900<br>58<br>220 | 900<br>58<br>270 | 900<br>58<br>315 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1000<br>52<br>170 | 1050<br>50<br>230 | 1050<br>50<br>295 | 1050<br>50<br>335 | 1050<br>50<br>370 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1100<br>47<br>215 | 1150<br>45<br>285 | 1150<br>45<br>340 | 1150<br>45<br>395 | 1100<br>47<br>440 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1300<br>40<br>330 | 1325<br>39<br>385 | 1325<br>39<br>455 | 1250<br>42<br>465 | 1200<br>43<br>470 |
| NOTES:<br>* First letter may be "A" or "T"<br>** Factory setting | | | | | | | | | |

| *DH2B060A9V3V FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 1.5 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 525<br>45 | 525<br>70 | 525<br>100 | 525<br>135 | 525<br>160 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 600<br>55 | 600<br>85 | 600<br>120 | 600<br>150 | 600<br>185 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 675<br>65 | 675<br>105 | 625<br>140 | 675<br>175 | 675<br>205 |
| 2.0 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 700<br>70 | 700<br>115 | 700<br>145 | 700<br>185 | 700<br>220 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 800<br>100 | 800<br>135 | 800<br>175 | 800<br>225 | 800<br>280 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 900<br>125 | 900<br>165 | 900<br>220 | 900<br>270 | 900<br>330 |
| 2.5 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 875<br>115 | 875<br>160 | 875<br>210 | 875<br>260 | 875<br>310 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1000<br>150 | 1000<br>207 | 1000<br>265 | 1000<br>320 | 1000<br>380 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1125<br>215 | 1125<br>285 | 1125<br>340 | 1125<br>395 | 1125<br>440 |
| 3 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1050<br>175 | 1050<br>240 | 1050<br>305 | 1050<br>345 | 1050<br>380 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1200<br>240 | 1200<br>315 | 1200<br>385 | 1200<br>440 | 1100<br>410 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1350<br>330 | 1350<br>410 | 1350<br>500 | 1275<br>485 | 1170<br>450 |
| NOTES: * First letter may be "A" or "T"<br>1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.<br>2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;<br>NORMAL airflow (400 cfm/ton) is typical setting;<br>HIGH airflow (450 cfm/ton) is DRY CLIMATE setting. | | | | | | | | | | | |



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| *DH2B080A9V3V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st STAGE CAPACITY = 49,920<br>2nd STAGE CAPACITY = 76,800 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 800<br>56<br>130 | 800<br>56<br>170 | 800<br>56<br>210 | 790<br>56<br>245 | - |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 900<br>49<br>162 | 900<br>49<br>210 | 900<br>49<br>260 | 900<br>49<br>295 | - |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1000<br>44<br>205 | 1000<br>44<br>265 | 1000<br>44<br>310 | 1000<br>44<br>345 | 800<br>56<br>295 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1170<br>38<br>305 | 1170<br>38<br>350 | 1170<br>38<br>400 | 1020<br>44<br>360 | 830<br>54<br>310 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1150<br>60<br>285 | 1150<br>60<br>345 | 1150<br>60<br>385 | 1020<br>67***<br>360 | 830<br>83***<br>305 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1275<br>54<br>380 | 1275<br>54<br>445 | 1200<br>57<br>425 | 1040<br>66***<br>380 | 900<br>76***<br>350 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1430<br>48<br>515 | 1340<br>51<br>490 | 1220<br>56<br>455 | 1090<br>63<br>410 | 930<br>74***<br>380 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1430<br>48<br>515 | 1340<br>51<br>490 | 1220<br>56<br>455 | 1090<br>63<br>410 | 930<br>74***<br>380 |

NOTES: * - First letter may be "A" or "T"
** Factory setting
*** Above MAX Temperature change value

| *DH2B080A9V3V - FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 2.0 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 700<br>95 | 700<br>105 | 700<br>115 | 680<br>200 | 670<br>235 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 800<br>130 | 800<br>160 | 800<br>205 | 790<br>245 | 740<br>265 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 900<br>160 | 900<br>215 | 900<br>255 | 900<br>300 | 750<br>270 |
| 2.5 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 875<br>145 | 875<br>185 | 875<br>240 | 875<br>280 | 760<br>270 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1000<br>205 | 1000<br>265 | 1000<br>310 | 1000<br>340 | 800<br>295 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1150<br>295 | 1150<br>340 | 1150<br>385 | 1020<br>350 | 800<br>300 |
| 3.0 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1050<br>235 | 1050<br>295 | 1050<br>340 | 1010<br>350 | 800<br>290 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1200<br>335 | 1200<br>385 | 1200<br>410 | 1040<br>365 | 840<br>310 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1350<br>455 | 1350<br>480 | 1210<br>435 | 1070<br>390 | 900<br>345 |

NOTES: * First letter may be "A" or "T"
1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.
2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;
NORMAL airflow (400 cfm/ton) is typical setting;
HIGH airflow (450 cfm/ton) is DRY CLIMATE setting.



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| *DH2B080A9V4V FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st STAGE CAPACITY = 49,400<br>2nd STAGE CAPACITY = 76,000 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 800<br>56<br>130 | 800<br>56<br>170 | 800<br>56<br>210 | 790<br>56<br>245 | - |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 900<br>49<br>162 | 900<br>49<br>210 | 900<br>49<br>260 | 900<br>49<br>295 | - |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1000<br>44<br>205 | 1000<br>44<br>265 | 1000<br>44<br>310 | 1000<br>44<br>345 | 800<br>56<br>295 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1170<br>38<br>305 | 1170<br>38<br>350 | 1170<br>38<br>400 | 1020<br>44<br>360 | 830<br>54<br>310 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1150<br>60<br>285 | 1150<br>60<br>345 | 1150<br>60<br>385 | 1020<br>67***<br>360 | 830<br>83***<br>305 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1275<br>54<br>380 | 1275<br>54<br>445 | 1200<br>57<br>425 | 1040<br>66***<br>380 | 900<br>76***<br>350 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1430<br>48<br>515 | 1340<br>51<br>490 | 1220<br>56<br>455 | 1090<br>63<br>410 | 930<br>74***<br>380 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1430<br>48<br>515 | 1340<br>51<br>490 | 1220<br>56<br>455 | 1090<br>63<br>410 | 930<br>74***<br>380 |

NOTES: * - First letter may be "A" or "T"
** Factory setting
*** Above MAX Temperature change value

| *DH2B080A9V4V - FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 2.5 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 849<br>141 | 865<br>191 | 881<br>241 | 878<br>294 | 876<br>348 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 953<br>195 | 965<br>250 | 977<br>305 | 973<br>358 | 970<br>411 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 1057<br>249 | 1065<br>309 | 1073<br>369 | 1069<br>422 | 1064<br>474 |
| 3.0 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 999<br>188 | 1003<br>241 | 1008<br>394 | 1018<br>354 | 1029<br>414 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1144<br>300 | 1150<br>362 | 1156<br>423 | 1160<br>486 | 1165<br>548 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1288<br>412 | 1297<br>482 | 1305<br>552 | 1303<br>617 | 1300<br>682 |
| 3.5 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1156<br>307 | 1165<br>374 | 1174<br>440 | 1177<br>502 | 1179<br>563 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1327<br>446 | 1335<br>518 | 1343<br>589 | 1325<br>641 | 1307<br>693 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1506<br>634 | 1502<br>703 | 1498<br>771 | 1418<br>746 | 1338<br>721 |
| 4.0 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1327<br>446 | 1335<br>518 | 1343<br>589 | 1325<br>641 | 1307<br>693 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1525<br>656 | 1522<br>727 | 1518<br>797 | 1430<br>761 | 1341<br>725 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 1706<br>906 | 1635<br>881 | 1563<br>857 | 1471<br>813 | 1379<br>769 |

NOTES: * First letter may be "A" or "T"
1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.
2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;
NORMAL airflow (400 cfm/ton) is typical setting;
HIGH airflow (450 cfm/ton) is DRY CLIMATE setting.



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| *DH2C100A9V4V - FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st STAGE CAPACITY = 62,400<br>2nd STAGE CAPACITY = 96,000 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 7 | SW 8 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 923<br>61<br>110 | 955<br>59<br>165 | 960<br>58<br>210 | 958<br>58<br>265 | 947<br>59<br>310 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1020<br>55<br>145 | 1047<br>53<br>190 | 1053<br>53<br>250 | 1042<br>54<br>295 | 1029<br>54<br>350 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1156<br>48<br>185 | 1166<br>48<br>240 | 1172<br>48<br>300 | 1177<br>48<br>350 | 1178<br>48<br>420 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1275<br>44<br>225 | 1305<br>43<br>290 | 1328<br>42<br>365 | 1328<br>42<br>445 | 1328<br>42<br>510 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1298<br>66<br>235 | 1320<br>65<br>305 | 1335<br>65<br>380 | 1343<br>64<br>445 | 1343<br>64<br>520 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1439<br>60<br>310 | 1459<br>59<br>390 | 1482<br>58<br>470 | 1483<br>58<br>550 | 1470<br>59<br>610 |
| | MEDIUM ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1639<br>53<br>430 | 1650<br>52<br>525 | 1650<br>52<br>600 | 1644<br>52<br>680 | 1496<br>58<br>640 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1790<br>18<br>570 | 1818<br>47<br>670 | 1813<br>47<br>770 | 1708<br>50<br>750 | 1535<br>56<br>675 |

NOTES: * - First letter may be "A" or "T"
** Factory setting
*** Above MAX temperature change

| *DH2C100A9V4V - FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 2.5 | LOW (350 CFM/TON) | ON | ON | OFF | ON | CFM<br>WATTS | 870<br>100 | 885<br>140 | 887<br>185 | 881<br>230 | 876<br>270 |
| | NORMAL (400 CFM/TON) | ON | ON | OFF | OFF | CFM<br>WATTS | 989<br>120 | 1018<br>180 | 1016<br>230 | 1012<br>285 | 999<br>325 |
| | HIGH (450 CFM/TON) | ON | ON | ON | OFF | CFM<br>WATTS | 1124<br>175 | 1139<br>225 | 1130<br>275 | 1135<br>335 | 1135<br>390 |
| 3.0 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 1053<br>145 | 1075<br>200 | 1070<br>245 | 1070<br>295 | 1049<br>350 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1186<br>195 | 1205<br>255 | 1220<br>310 | 1220<br>370 | 1216<br>440 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1336<br>255 | 1366<br>340 | 1383<br>405 | 1385<br>470 | 1381<br>545 |
| 3.5 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1216<br>190 | 1225<br>255 | 1235<br>320 | 1240<br>385 | 1243<br>445 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1394<br>270 | 1422<br>360 | 1436<br>430 | 1437<br>505 | 1430<br>580 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1579<br>395 | 1604<br>475 | 1610<br>555 | 1599<br>645 | 1517<br>640 |
| 4.0 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1377<br>270 | 1412<br>355 | 1426<br>430 | 1433<br>510 | 1428<br>575 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 1599<br>425 | 1624<br>510 | 1636<br>585 | 1618<br>670 | 1512<br>635 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 1801<br>580 | 1818<br>690 | 1815<br>775 | 1694<br>735 | 1525<br>660 |

NOTES: * - First letter may be "A" or "T"
1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.
2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;
NORMAL airflow (400 cfm/ton) is typical setting;
HIGH airflow (450 cfm/ton) is DRY CLIMATE setting.



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| *DH2D120A9V5V - FURNACE HEATING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1st STAGE CAPACITY = 74,880<br>2nd STAGE CAPACITY = 115,200 | | | | | | | | | |
| | AIRFLOW SETTING | DIP SWITCH SETTING | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 8 | SW 7 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| HEATING 1ST STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1025<br>65<br>150 | 1025<br>65<br>200 | 1000<br>67<br>240 | 1000<br>67<br>290 | 1000<br>67<br>340 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1200<br>56<br>230 | 1200<br>56<br>270 | 1200<br>56<br>330 | 1200<br>56<br>390 | 1200<br>56<br>450 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 1350<br>49<br>280 | 1350<br>49<br>340 | 1350<br>49<br>490 | 1350<br>49<br>470 | 1350<br>49<br>530 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 1550<br>43<br>400 | 1550<br>43<br>490 | 1550<br>43<br>560 | 1550<br>43<br>620 | 1450<br>46<br>600 |
| HEATING 2ND STAGE | LOW | ON | ON | CFM<br>TEMP. RISE<br>WATTS | 1550<br>66<br>380 | 1550<br>66<br>470 | 1550<br>66<br>540 | 1550<br>66<br>610 | 1450<br>71***<br>690 |
| | MEDIUM LOW | OFF | ON | CFM<br>TEMP. RISE<br>WATTS | 1850<br>56<br>660 | 1850<br>56<br>750 | 1850<br>56<br>780 | 1700<br>60<br>720 | 1500<br>69<br>640 |
| | NORMAL ** | ON | OFF | CFM<br>TEMP. RISE<br>WATTS | 2050<br>50<br>860 | 2000<br>51<br>880 | 1850<br>56<br>810 | 1700<br>60<br>750 | 1550<br>66<br>670 |
| | HIGH | OFF | OFF | CFM<br>TEMP. RISE<br>WATTS | 2105<br>49<br>1000 | 2050<br>50<br>940 | 1900<br>54<br>880 | 1775<br>58<br>820 | 1625<br>63<br>750 |

NOTES:
* First letter may be "A" or "T"
** Factory setting

| *DH2D120A9V5V - FURNACE COOLING AIRFLOW (CFM) AND POWER (WATTS) VS. EXTERNAL STATIC PRESSURE WITH FILTER | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OUTDOOR UNIT SIZE (TONS) | AIRFLOW SETTING | DIP SWITCH SETTING | | | | | EXTERNAL STATIC PRESSURE | | | | |
| | | SW 1 | SW 2 | SW 3 | SW 4 | | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 |
| 3.5 | LOW (350 CFM/TON) | OFF | ON | OFF | ON | CFM<br>WATTS | 1225<br>240 | 1225<br>280 | 1225<br>340 | 1225<br>400 | 1225<br>450 |
| | NORMAL (400 CFM/TON) | OFF | ON | OFF | OFF | CFM<br>WATTS | 1400<br>310 | 1400<br>390 | 1400<br>470 | 1400<br>520 | 1400<br>570 |
| | HIGH (450 CFM/TON) | OFF | ON | ON | OFF | CFM<br>WATTS | 1600<br>450 | 1600<br>520 | 1600<br>590 | 1600<br>640 | 1450<br>600 |
| 4.0 | LOW (350 CFM/TON) | ON | OFF | OFF | ON | CFM<br>WATTS | 1400<br>300 | 1400<br>380 | 1400<br>450 | 1400<br>520 | 1400<br>570 |
| | NORMAL (400 CFM/TON) | ON | OFF | OFF | OFF | CFM<br>WATTS | 1600<br>460 | 1600<br>530 | 1600<br>610 | 1600<br>670 | 1450<br>600 |
| | HIGH (450 CFM/TON) | ON | OFF | ON | OFF | CFM<br>WATTS | 1800<br>610 | 1800<br>700 | 1800<br>760 | 1650<br>690 | 1500<br>630 |
| 5 | LOW (350 CFM/TON) | OFF | OFF | OFF | ON | CFM<br>WATTS | 1750<br>580 | 1750<br>640 | 1750<br>720 | 1650<br>680 | 1450<br>610 |
| | NORMAL (400 CFM/TON) | OFF | OFF | OFF | OFF | CFM<br>WATTS | 2000<br>830 | 2000<br>860 | 1850<br>800 | 1700<br>740 | 1550<br>660 |
| | HIGH (450 CFM/TON) | OFF | OFF | ON | OFF | CFM<br>WATTS | 2100<br>970 | 2000<br>910 | 1900<br>850 | 1650<br>780 | 1600<br>710 |

NOTES: * - First letter may be "A" or "T"
1. At continuous fan setting: Heating or Cooling airflows are approximately 50% of selected cooling value.
2. LOW airflow (350 cfm/ton) is COMFORT & HUMID CLIMATE setting;
NORMAL airflow (400 cfm/ton) is typical setting;
HIGH airflow (450 cfm/ton) is DRY CLIMATE setting.



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# Maximum Vent Length Table

| VENT LENGTH TABLE | | | |
|---|---|---|---|
| ALTITUDE | MAXIMUM TOTAL EQUIVALENT LENGTH IN FEET FOR VENT AND INLET AIR (SEE NOTES) | | |
| 0-7,000 Feet | 2 INCH PIPE | 2.5 INCH PIPE | 3 or 4 INCH PIPE |
| *UH/DH2B060A9V3VB | 200 | 200 | 200 |
| *UH/DH2B080A9V3VB<br>*UH/DH2B080A9V4VB | 50 | 120 | 200 |
| *UH/DH2C100A9V4VB<br>*UH2C100A9V5VB | Not Allowed | 60 | 200 |
| *UH/DH2D120A9V5VB | Not Allowed | Not Allowed | 200 |
| 7,000-9,500 Feet | 2 INCH PIPE | 2.5 INCH PIPE | 3 or 4 INCH PIPE |
| *UH/DH2B060A9V3VB | 100 | 100 | 100 |
| *UH/DH2B080A9V3VB<br>*UH/DH2B080A9V4VB | 25 | 60 | 100 |
| *UH/DH2C100A9V4VB<br>*UH2C100A9V5VB | Not Allowed | 30 | 100 |
| *UH/DH2D120A9V5VB | Not Allowed | Not Allowed | 100 |
| 9,500-12,000 Feet | 2 INCH PIPE | 2.5 INCH PIPE | 3 or 4 INCH PIPE |
| *UH/DH2B060A9V3VB | 50 | 50 | 50 |
| *UH/DH2B080A9V3VB<br>*UH/DH2B080A9V4VB | Not Allowed | 30 | 50 |
| *UH/DH2C100A9V4VB<br>*UH2C100A9V5VB | Not Allowed | Not Allowed | 50 |
| *UH/DH2D120A9V5VB | Not Allowed | Not Allowed | 50 |

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

1. Minimum vent length for all models: 3' horizontal or 3' vertical.
2. DO NOT MIX PIPE DIAMETERS IN THE SAME LENGTH OF PIPE OUTSIDE THE FURNACE CABINET (Except adapters at the top of the furnace). If different inlet and vent pipe sizes are used, the vent pipe must adhere to the maximum length limit shown in the table above (See note 6 below for exception). The inlet pipe can be of a larger diameter, but never smaller than the vent pipe.
3. MAXIMUM PIPE LENGTHS MUST NOT BE EXCEEDED! THE LENGTH SHOWN IS NOT A COMBINED TOTAL, IT IS THE MAXIMUM LENGTH OF EACH (Vent or Inlet air pipes).
4. One SHORT radius 90° elbow is equivalent to 10' of 3" or 4" pipe and one LONG radius elbow is equivalent to 6' of 3" or 4" pipe. One 90° elbow is equivalent to 7½' of 2½" pipe or 5' of 2" pipe. Two 45° elbows equal one 90°elbow.
5. The termination tee or bend must be included in the total number of elbows. If the BAYAIR30AVENTA termination kit is used, the equivalent length of pipe is 5 feet. BAYVENT200B equivalent length is 0 feet.
6. Pipe adapters are field supplied (except for the *UH/DH2D120 models).
7. For Canadian applications ONLY, IPEX 196006 may be used for horizontal and vertical terminations. IPEX 081216, IPEX 081218, and IPEX 081219 may only be used for horizontal vent terminations. Equivalent lengths are IPEX 196009 = 5 feet, IPEX 081216 = 11 feet, IPEX 081218 = 16 feet, and IPEX 081219 = 21 feet



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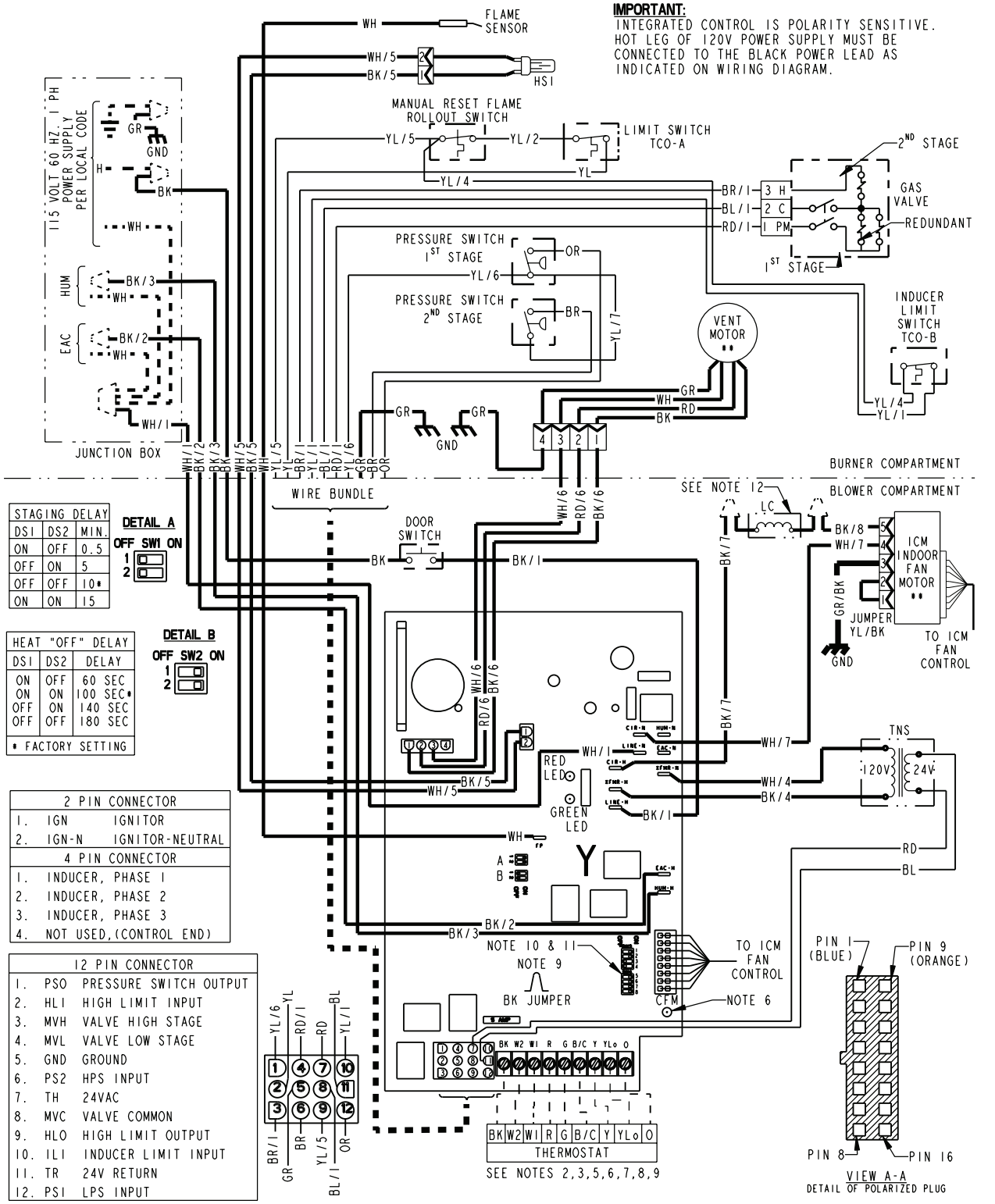
# Electrical Data

## *UH2 WIRING DIAGRAM




| STAGING DELAY | | |
|---|---|---|
| DS1 | DS2 | MIN. |
| ON | OFF | 0.5 |
| OFF | ON | 5 |
| OFF | OFF | 10* |
| ON | ON | 15 |

| HEAT "OFF" DELAY | | |
|---|---|---|
| DS1 | DS2 | DELAY |
| ON | OFF | 60 SEC |
| ON | ON | 100 SEC* |
| OFF | ON | 140 SEC |
| OFF | OFF | 180 SEC |

* FACTORY SETTING

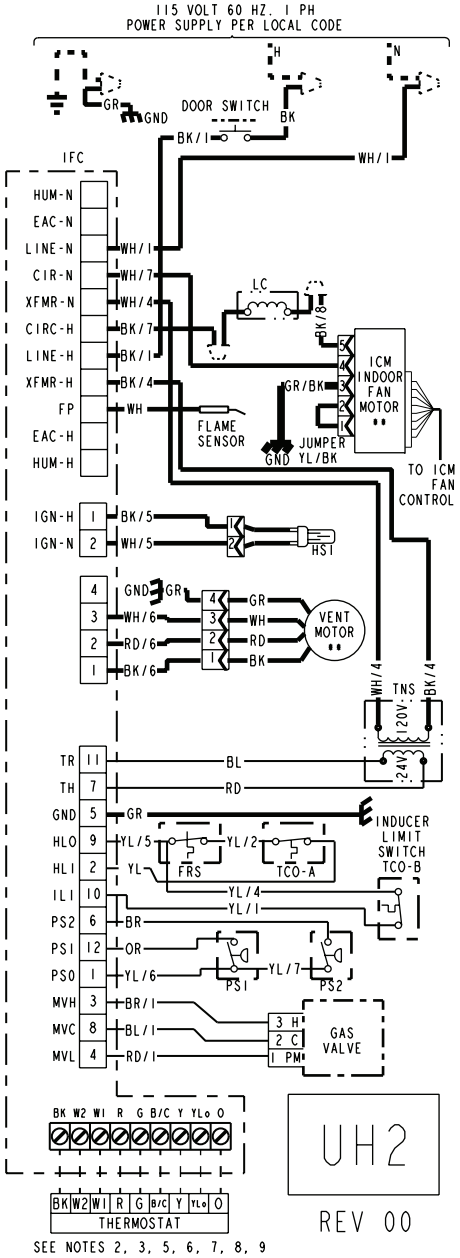
| 2 PIN CONNECTOR | |
|---|---|
| 1. | IGN IGNITOR |
| 2. | IGN-N IGNITOR-NEUTRAL |
| **4 PIN CONNECTOR** | |
| 1. | INDUCER, PHASE 1 |
| 2. | INDUCER, PHASE 2 |
| 3. | INDUCER, PHASE 3 |
| 4. | NOT USED,(CONTROL END) |

| 12 PIN CONNECTOR | |
|---|---|
| 1. | PSO PRESSURE SWITCH OUTPUT |
| 2. | HLI HIGH LIMIT INPUT |
| 3. | MVH VALVE HIGH STAGE |
| 4. | MVL VALVE LOW STAGE |
| 5. | GND GROUND |
| 6. | PS2 HPS INPUT |
| 7. | TH 24VAC |
| 8. | MVC VALVE COMMON |
| 9. | HLO HIGH LIMIT OUTPUT |
| 10. | ILI INDUCER LIMIT INPUT |
| 11. | TR 24V RETURN |
| 12. | PSI LPS INPUT |

From drawing D344303

# Electrical Data

## *UH2 SCHEMATIC DIAGRAM




| TABLE "A" | |
|---|---|
| MODELS | |
| *UH2B060A9V3V** | *UH2C100A9V4V** |
| *UH2B080A9V3V** | *UH2C100A9V5V** |
| *UH2B080A9V4V** | *UH2D120A9V5V** |
| * PREFIX MAY BE "A" OR "T"<br>* SUFFIX MAY BE "A" THROUGH "Z" | |

**⚠ WARNING**

HAZARDOUS VOLTAGE:
DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

**⚠ CAUTION**

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

### INTEGRATED FURNACE CONTROL

REPLACE WITH PART CNT06017 OR EQUIVALENT

*ELECTRICAL RATING*
INPUT: 25 VAC, 60 HZ.
XFMR SEC. CURRENT: 450 MA. + MV LOAD
MV OUTPUT: 1.5 A @ 24 VAC
IND OUTPUT: 3 PHASE OUTPUT
IGN OUTPUT: 2.0 A @120 VAC
CIRC. BLOWER OUTPUT: 14.5 FLA, 25 LRA @ 120 VAC
HUMIDIFER & AIR CLEANER MAX. LOAD: 1.0 A @ 120 VAC

*TIMINGS*
PREPURGE: 0 SEC.; INTERPURGE: 60 SEC.
POST PURGE: 5 SEC.
IGN WARMUP: 20 SEC.
IAP: 2; TFI: 5 SEC.
RETRIES: 2 RECYCLES: 10
HEAT ON DELAY: 45 SEC.
COOL ON DELAY: 0 SEC.
AUTO RESTART: 60 MIN.
AUTO RESTART PURGE: 60 SEC.

### DIAGNOSTIC CODES

RED LED - LitePort™ DATA - 1 FLASH EVERY 20 SEC.
2 FLASHES: RETRIES OR RECYCLES EXCEEDED
3 FLASHES: INDUCER OR PRESSURE SWITCH ERROR
4 FLASHES: OPEN LIMIT OR ROLLOUT SWITCH
5 FLASHES: FLAME SENSED WHEN NO FLAME SHOULD BE PRESENT
6 FLASHES: LINE REVERSE
7 FLASHES: GAS VALVE CIRCUIT ERROR
8 FLASHES: WEAK FLAME
9 FLASHES: OPEN INDUCER LIMIT ERROR

GREEN LED - STATUS
SLOW FLASH: NORMAL, NO CALL FOR HEAT
FAST FLASH: NORMAL, CALL FOR HEAT PRESENT

GREEN AND RED LEDs ON CONTINUOUS:
FUSE OPEN OR INTERNAL CONTROL FAILURE

TCO THERMAL CUT OUT
PS PRESSURE SWITCH
FRS FLAME ROLLOUT SWITCH
FP FLAME SENSOR
CHASSIS GROUND
HSI HOT SURFACE IGNITER
DOOR SWITCH
FUSE

LINE, 24 V — FACTORY WIRING
LINE, 24 V — FIELD WIRING

** INTERNAL THERMAL PROTECTION

CF CAPACITOR
COIL

| | | | |
|---|---|---|---|
| BK | BLACK | GR | GREEN |
| WH | WHITE | BR | BROWN |
| YL | YELLOW | RD | RED |
| OR | ORANGE | BL | BLUE |

WIRE COLOR
BK/1
NUMBER ID (IF ANY)

| | | | |
|---|---|---|---|
| L | LINE | TH | 24 VAC (HOT) |
| N | NEUTRAL | TR | 24 VAC (COMMON) |
| GND | GROUND | MV | MAIN GAS VALVE |
| B/C | COMMON | TNS | TRANSFORMER |
| HLO | HIGH LIMIT OUTPUT | ILI | INDUCER LIMIT INPUT |
| HLI | HIGH LIMIT INPUT | | |

**NOTES:**

1. 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 105°C.
2. THERMOSTAT HEAT ANTICIPATOR SETTING: FIRST STAGE .38 AMPS, SECOND STAGE .13 AMPS. IF SETTING IS NOT FIXED ON THERMOSTAT, FOR SINGLE STAGE HEATING THERMOSTAT SET AT .51 AMPS.
3. FOR PROPER OPERATION OF COOLING SPEED, "Y" TERMINAL MUST BE CONNECTED TO THE ROOM THERMOSTAT.
4. THESE LEADS PROVIDE 120V POWER CONNECTIONS FOR ELECTRONIC AIR CLEANER (EAC) AND HUMIDIFIER (HUM). MAX. LOAD: 1.0 AMPS EACH.
5. JUMPER W1 AND W2 FOR SINGLE STAGE HEATING THERMOSTAT, SECOND STAGE WILL BE ENERGIZED, DELAYED PER STAGING DELAY SETTING.
6. GREEN LIGHT (CFM) FLASHES ONCE PER 100 CFM COMMAND.
7. FOR HEAT PUMP SYSTEMS Y AND O MUST BE CONNECTED TO THE LOW-VOLTAGE TERMINAL BOARD.
8. FOR TWO COMPRESSOR SYSTEMS, USE "YLO" FOR LOW SPEED AND "Y" FOR HIGH SPEED CONNECTION TO THE LOW-VOLTAGE TERMINAL BOARD.
9. OPTIONAL HUMIDSTAT IS TO BE CONNECTED BETWEEN THE "R" AND "BK". FACTORY INSTALLED JUMPER "R" TO "BK" (BK JUMPER) ON THE CIRCUIT BOARD MUST BE CUT IF OPTIONAL HUMIDSTAT IS USED. THE JUMPER MUST ALSO BE CUT WHEN APPLYING AN AIRFLOW COMMAND SIGNAL TO THE "BK" INPUT SUCH AS WITH THE VARIABLE SPEED SINGLE-ZONE AND MULTI-ZONE SYSTEM CONTROLLERS. ON SINGLE SPEED COOLING ONLY / NON-HEAT PUMP SYSTEMS, JUMPER "Y" TO "O" FOR PROPER OPERATION OF THE DELAY PROFILES AND THE HUMIDSTAT. FOR TWO COMPRESSOR OR TWO SPEED SYSTEMS, JUMPER "YLO" TO "O".
10. SEE INDOOR MOTOR AIRFLOW SELECTION CHART, LOCATED IN THE FURNACE FOR DIP SWITCH SETTINGS TO SET AIRFLOW AND COOLING OFF DELAYS.
11. POWER MUST BE OFF WHEN DIP SWITCHES ARE SET.
12. USED FOR *UH2B080A9V4V**, *UH2C100A9V4V**, *UH2C100A9V5V** & *UH2D120A9V5V**.
13. ON POWER-UP, LAST FOUR FAULTS, IF ANY, WILL BE FLASHED ON RED LED. GREEN LED WILL BE SOLID ON DURING LAST FAULT RECOVERY.

From drawing D344303



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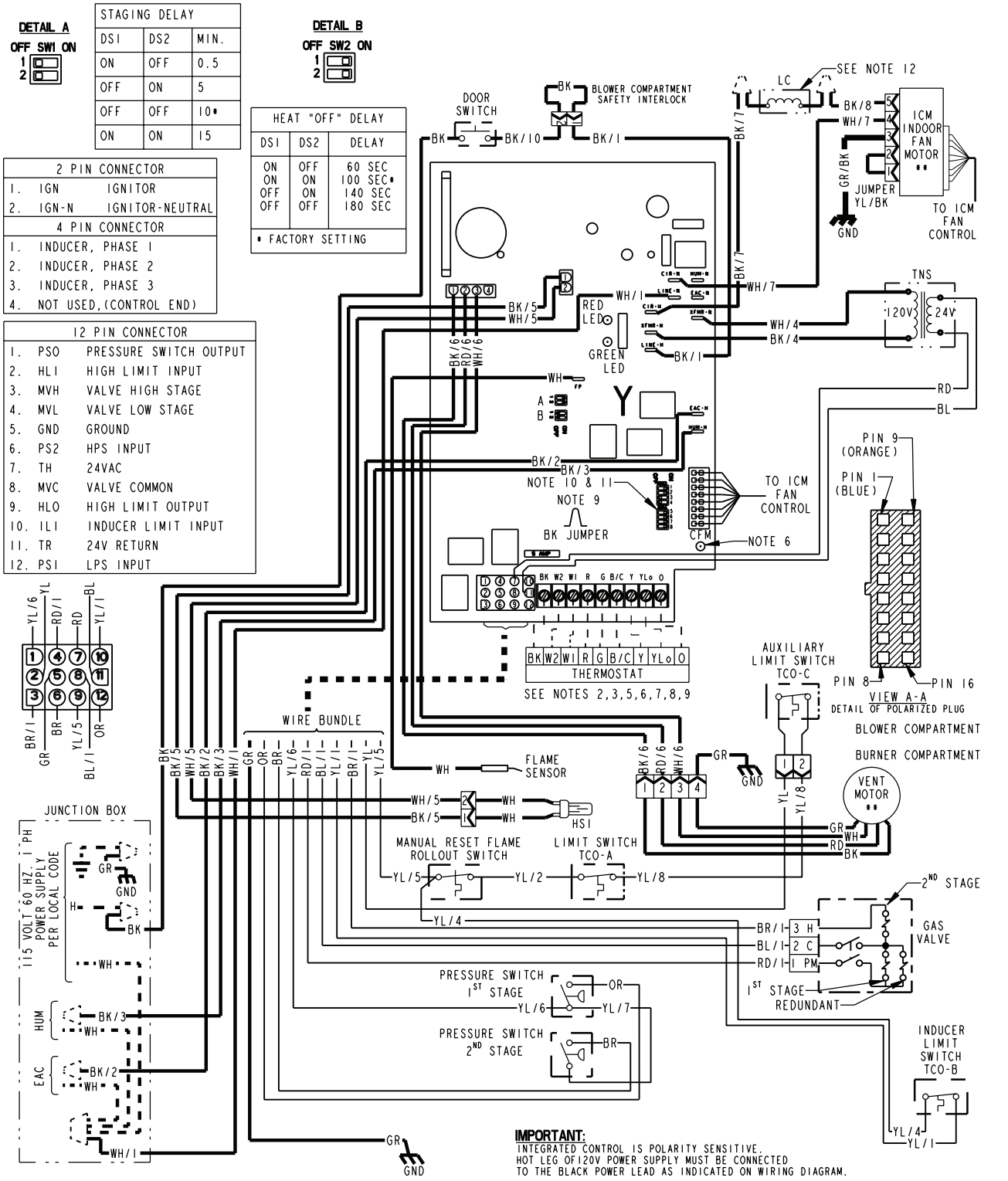
# Electrical Data

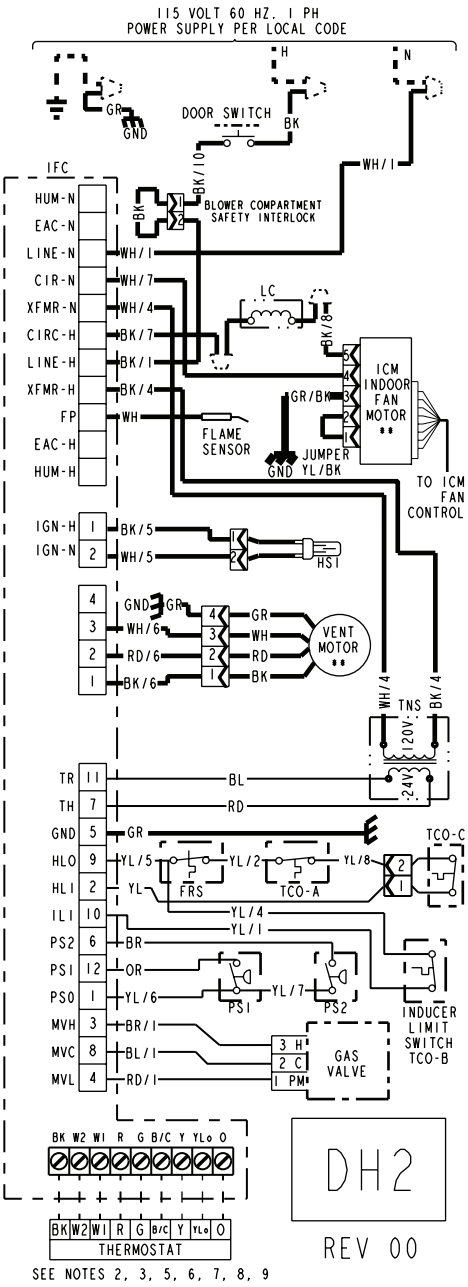
## *DH2 WIRING DIAGRAM




From drawing D344304

# Electrical Data

## *DH2 SCHEMATIC DIAGRAM




| TABLE "A" | |
|---|---|
| MODELS | |
| *DH2B060A9V3V** | *DH2C100A9V4V** |
| *DH2B080A9V3V** | *DH2D120A9V5V** |
| *DH2B080A9V4V** | |
| * PREFIX MAY BE "A" OR "T"<br>* SUFFIX MAY BE "A" THROUGH "Z" | |

**⚠ WARNING**

HAZARDOUS VOLTAGE:
DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

**⚠ CAUTION**

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

### INTEGRATED FURNACE CONTROL

REPLACE WITH PART CNT06017 OR EQUIVALENT

*ELECTRICAL RATING*

INPUT: 25 VAC, 60 HZ.
XFMR SEC. CURRENT: 450 MA. + MV LOAD
MV OUTPUT: 1.5 A @ 24 VAC
IND OUTPUT: 3 PHASE OUTPUT
IGN OUTPUT: 2.0 A @120 VAC
CIRC. BLOWER OUTPUT: 14.5 FLA, 25 LRA @ 120 VAC
HUMIDIFER & AIR CLEANER MAX. LOAD: 1.0 A @ 120 VAC

*TIMINGS*

PREPURGE: 0 SEC.; INTERPURGE: 60 SEC.
POST PURGE: 5 SEC.
IGN WARMUP: 20 SEC.
IAP: 2; TFI: 5 SEC.
RETRIES: 2 RECYCLES; 10
HEAT ON DELAY: 45 SEC.
COOL ON DELAY: 0 SEC.
AUTO RESTART: 60 MIN.
AUTO RESTART PURGE: 60 SEC.

### DIAGNOSTIC CODES

RED LED - LitePort™ DATA - 1 FLASH EVERY 20 SEC.
2 FLASHES: RETRIES OR RECYCLES EXCEEDED
3 FLASHES: INDUCER OR PRESSURE SWITCH ERROR
4 FLASHES: OPEN LIMIT OR ROLLOUT SWITCH
5 FLASHES: FLAME SENSED WHEN NO FLAME SHOULD BE PRESENT
6 FLASHES: LINE REVERSE
7 FLASHES: GAS VALVE CIRCUIT ERROR
8 FLASHES: WEAK FLAME
9 FLASHES: OPEN INDUCER LIMIT ERROR

GREEN LED - STATUS
SLOW FLASH: NORMAL, NO CALL FOR HEAT
FAST FLASH: NORMAL, CALL FOR HEAT PRESENT

GREEN AND RED LEDs ON CONTINUOUS:
FUSE OPEN OR INTERNAL CONTROL FAILURE

TCO THERMAL CUT OUT
PS PRESSURE SWITCH
FRS FLAME ROLLOUT SWITCH
FP FLAME SENSOR
CHASSIS GROUND
HSI HOT SURFACE IGNITER
DOOR SWITCH
FUSE
CF CAPACITOR
COIL

LINE / 24 V — FACTORY WIRING
LINE / 24 V — FIELD WIRING

** INTERNAL THERMAL PROTECTION

| | | | |
|---|---|---|---|
| BK | BLACK | GR | GREEN |
| WH | WHITE | BR | BROWN |
| YL | YELLOW | RD | RED |
| OR | ORANGE | BL | BLUE |

BK/1 — WIRE COLOR; NUMBER ID (IF ANY)

| | | | |
|---|---|---|---|
| L | LINE | TH | 24 VAC (HOT) |
| N | NEUTRAL | TR | 24 VAC (COMMON) |
| GND | GROUND | MV | MAIN GAS VALVE |
| B/C | COMMON | TNS | TRANSFORMER |
| HLO | HIGH LIMIT OUTPUT | ILI | INDUCER LIMIT INPUT |
| HLI | HIGH LIMIT INPUT | | |

**NOTES:**

1. 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 105°C.
2. THERMOSTAT HEAT ANTICIPATOR SETTING: FIRST STAGE .38 AMPS, SECOND STAGE .13 AMPS. IF SETTING IS NOT FIXED ON THERMOSTAT, FOR SINGLE STAGE HEATING THERMOSTAT SET AT .51 AMPS.
3. FOR PROPER OPERATION OF COOLING SPEED, "Y" TERMINAL MUST BE CONNECTED TO THE ROOM THERMOSTAT.
4. THESE LEADS PROVIDE 120V POWER CONNECTIONS FOR ELECTRONIC AIR CLEANER (EAC) AND HUMIDIFIER (HUM). MAX. LOAD: 1.0 AMPS EACH.
5. JUMPER W1 AND W2 FOR SINGLE STAGE HEATING THERMOSTAT, SECOND STAGE WILL BE ENERGIZED, DELAYED PER STAGING DELAY SETTING.
6. GREEN LIGHT (CFM) FLASHES ONCE PER 100 CFM COMMAND.
7. FOR HEAT PUMP SYSTEMS Y AND O MUST BE CONNECTED TO THE LOW-VOLTAGE TERMINAL BOARD.
8. FOR TWO COMPRESSOR SYSTEMS, USE "YLO" FOR LOW SPEED AND "Y" FOR HIGH SPEED CONNECTION TO THE LOW-VOLTAGE TERMINAL BOARD.
9. OPTIONAL HUMIDSTAT IS TO BE CONNECTED BETWEEN THE "R" AND "BK". FACTORY INSTALLED JUMPER "R" TO "BK" (BK JUMPER) ON THE CIRCUIT BOARD MUST BE CUT IF OPTIONAL HUMIDSTAT IS USED. THE JUMPER MUST ALSO BE CUT WHEN APPLYING AN AIRFLOW COMMAND SIGNAL TO THE "BK" INPUT SUCH AS WITH THE VARIABLE SPEED SINGLE-ZONE AND MULTI-ZONE SYSTEM CONTROLLERS. ON SINGLE SPEED COOLING ONLY / NON-HEAT PUMP SYSTEMS, JUMPER "Y" TO "O" FOR PROPER OPERATION OF THE DELAY PROFILES AND THE HUMIDSTAT. FOR TWO COMPRESSOR OR TWO SPEED SYSTEMS, JUMPER "YLO" TO "O".
10. SEE INDOOR MOTOR AIRFLOW SELECTION CHART, LOCATED IN THE FURNACE FOR DIP SWITCH SETTINGS TO SET AIRFLOW AND COOLING OFF DELAYS.
11. POWER MUST BE OFF WHEN DIP SWITCHES ARE SET.
12. USED FOR *DH2B080A9V4V**, *DH2C100A9V4V** & *DH2D120A9V5V**.
13. ON POWER-UP, LAST FOUR FAULTS, IF ANY, WILL BE FLASHED ON RED LED. GREEN LED WILL BE SOLID ON DURING LAST FAULT RECOVERY.

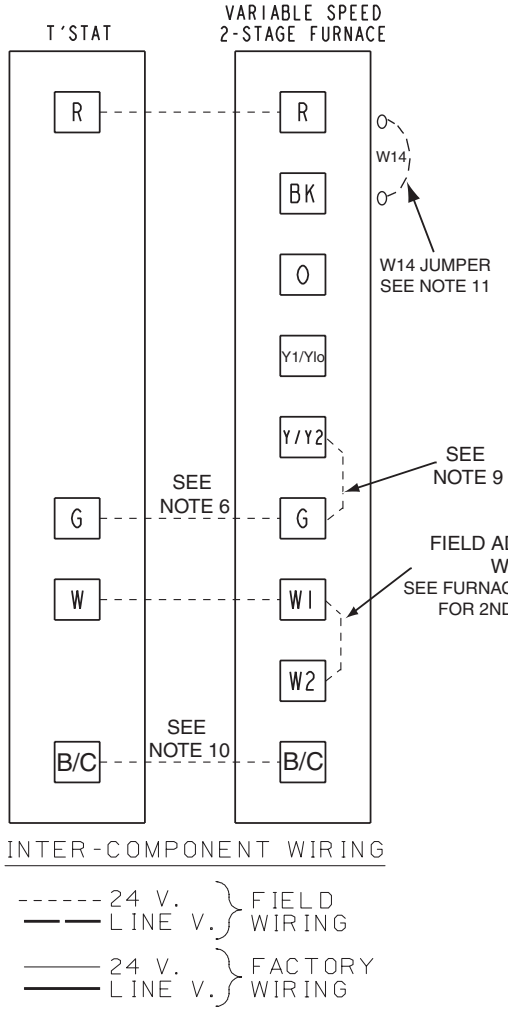
From drawing D344304



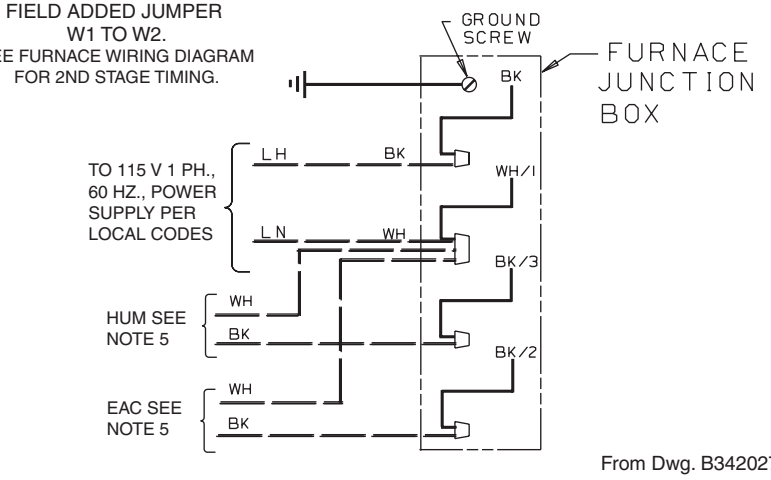
Pub. No. 22-1814-11

# Field Wiring

FIELD WIRING DIAGRAM FOR VARIABLE SPEED 2 STAGE FURNACE
1 STAGE HEATING
USING A 1 STAGE HEATING THERMOSTAT
NO COOLING




1. Be sure power agrees with equipment nameplates.
2. Low voltage (24 volt 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 115V. power for connection of electronic air cleaner and humidifier MAX. load 1.0 amps each.
6. When a single stage heating thermostat without fan switch is used, no wiring on "G" terminal is used.
7. W1 and W2 must be jumpered together for proper operation. Second stage heat will begin based on IFC switch setting.
8. Set dip switches with power off per installation instructions to set airflow and indoor fan off delays.
9. Continuous fan airflow can be increased by adding this jumper.
10. This wire is only for thermostats requiring connection to transformer common terminal.
11. Optional humidistat is to be connected between R and BK. Factory installed jumper R to BK on the circuit board must be cut if optional humidistat is used. The jumper must also be cut when applying an airflow command signal to the BK input such as with the variable speed single-zone and multi-zone system controllers. On single speed cooling only/non-heat pump systems, jumper Y to O for proper operation of the delay profiles and the humidistat. For two compressor or two speed systems, jumper YLo to O.

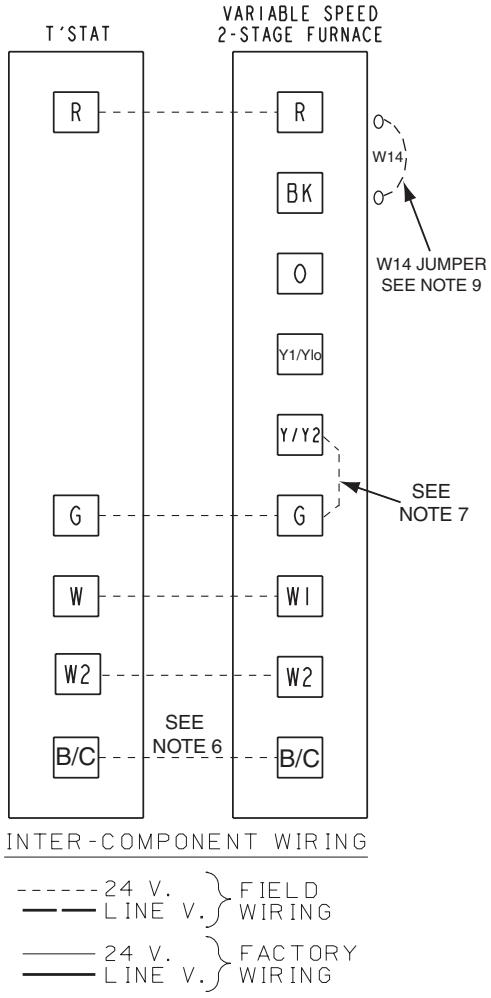



From Dwg. B342027 Rev. 1

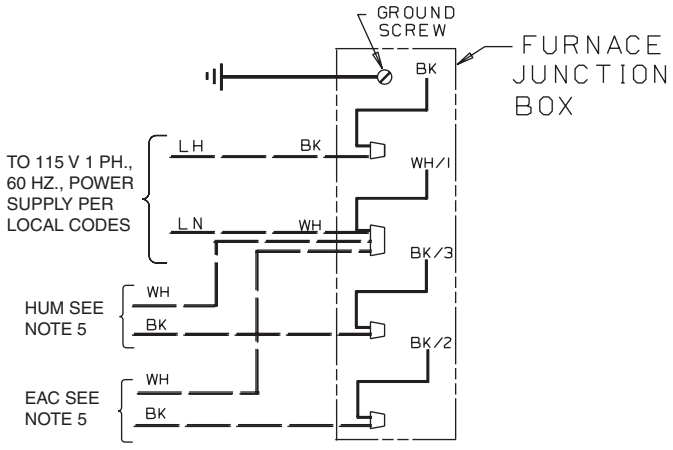
**Figure 60**

# Field Wiring

FIELD WIRING DIAGRAM FOR VARIABLE SPEED 2 STAGE FURNACE
2 STAGE HEATING
USING A 2 STAGE HEATING THERMOSTAT
NO COOLING




1. Be sure power agrees with equipment nameplates.
2. Low voltage (24 volt 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 115V. power for connection of electronic air cleaner and humidifier MAX. load 1.0 amps each.
6. This wire is only for thermostats requiring connection to transformer common terminal.
7. Continuous fan airflow can be increased by adding this jumper.
8. Set dip switches with power off per installation instructions to set airflow and indoor fan off delays.
9. Optional humidistat is to be connected between R and BK. Factory installed jumper R to BK on the circuit board must be cut if optional humidistat is used. The jumper must also be cut when applying an airflow command signal to the BK input such as with the variable speed single-zone and multi-zone system controllers. On single speed cooling only/non-heat pump systems, jumper Y to O for proper operation of the delay profiles and the humidistat. For two compressor or two speed systems, jumper YLo to O.




From Dwg. B342025 Rev. 0

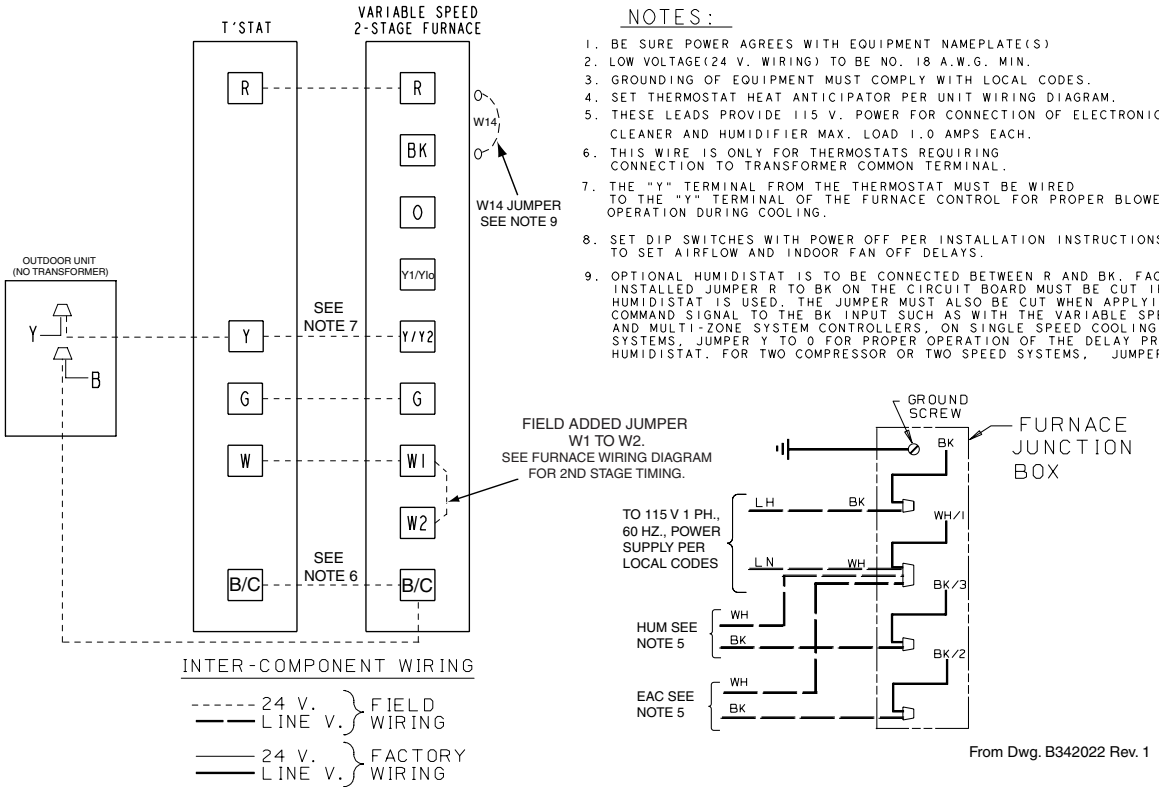
**Figure 61**



Pub. No. 22-1814-11

# Field Wiring

FIELD WIRING DIAGRAM FOR VARIABLE SPEED 2 STAGE FURNACE
1 STAGE HEATING, 1 STAGE COOLING
USING A 1 STAGE HEATING, 1 STAGE COOLING THERMOSTAT
(OUTDOOR SECTION WITHOUT TRANSFORMER)




NOTES:

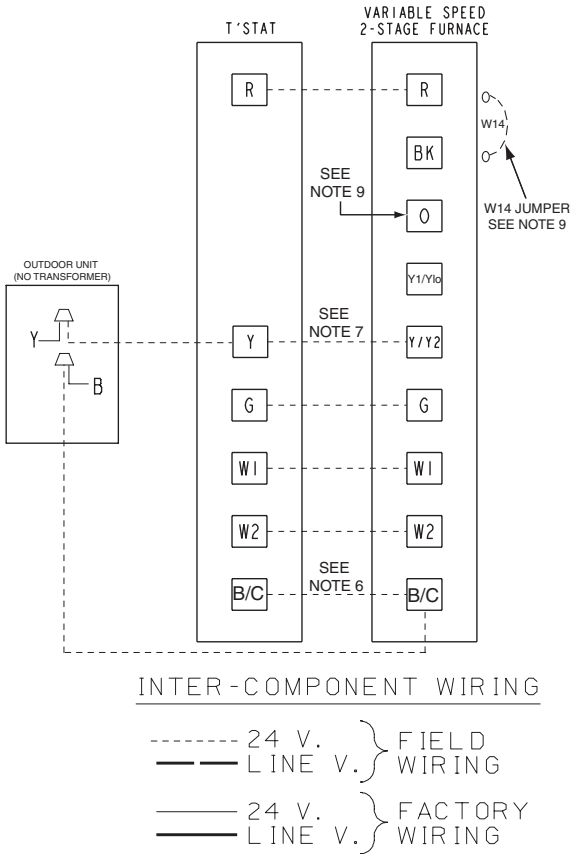
1. BE SURE POWER AGREES WITH EQUIPMENT NAMEPLATE(S)
2. LOW VOLTAGE(24 V. WIRING) TO BE NO. 18 A.W.G. MIN.
3. GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
4. SET THERMOSTAT HEAT ANTICIPATOR PER UNIT WIRING DIAGRAM.
5. THESE LEADS PROVIDE 115 V. POWER FOR CONNECTION OF ELECTRONIC AIR CLEANER AND HUMIDIFIER MAX. LOAD 1.0 AMPS EACH.
6. THIS WIRE IS ONLY FOR THERMOSTATS REQUIRING CONNECTION TO TRANSFORMER COMMON TERMINAL.
7. THE "Y" TERMINAL FROM THE THERMOSTAT MUST BE WIRED TO THE "Y" TERMINAL OF THE FURNACE CONTROL FOR PROPER BLOWER OPERATION DURING COOLING.
8. SET DIP SWITCHES WITH POWER OFF PER INSTALLATION INSTRUCTIONS TO SET AIRFLOW AND INDOOR FAN OFF DELAYS.
9. OPTIONAL HUMIDISTAT IS TO BE CONNECTED BETWEEN R AND BK. FACTORY INSTALLED JUMPER R TO BK ON THE CIRCUIT BOARD MUST BE CUT IF OPTIONAL HUMIDISTAT IS USED. THE JUMPER MUST ALSO BE CUT WHEN APPLYING AN AIRFLOW COMMAND SIGNAL TO THE BK INPUT SUCH AS WITH THE VARIABLE SPEED, SINGLE-ZONE AND MULTI-ZONE SYSTEM CONTROLLERS, ON SINGLE SPEED COOLING ONLY/NON-HEAT PUMP SYSTEMS, JUMPER Y TO O FOR PROPER OPERATION OF THE DELAY PROFILES AND THE HUMIDISTAT. FOR TWO COMPRESSOR OR TWO SPEED SYSTEMS, JUMPER YLO TO O.

From Dwg. B342022 Rev. 1

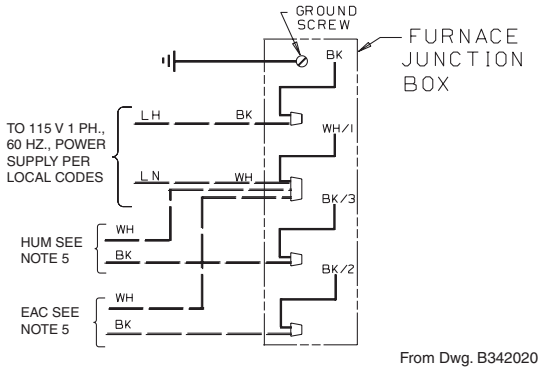
**Figure 62**

# Field Wiring

FIELD WIRING DIAGRAM FOR VARIABLE SPEED 2 STAGE FURNACE
2 STAGE HEATING, 1 STAGE COOLING
USING A 2 STAGE HEATING, 1 STAGE COOLING THERMOSTAT
(OUTDOOR SECTION WITHOUT TRANSFORMER)




NOTE:
1.) BE SURE POWER AGREES WITH EQUIPMENT NAMEPLATE(S).
2.) LOW VOLTAGE (24V. WIRING) TO BE NO. 18AWG MIN..
3.) GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL BUILDING CODES.
4.) SET THERMOSTAT HEAT ANTICIPATOR PER UNIT WIRING DIAGRAM.
5.) THESE LEADS PROVIDE 115V. POWER FOR CONNECTION OF ELECTRONIC AIR CLEANER AND HUMIDIFIER. MAX. LOAD 1.0 AMPS EACH.
6.) THIS WIRE IS ONLY FOR THERMOSTATS REQUIRING CONNECTION TO TRANSFORMER COMMON TERMINAL.
7.) THE "Y" TERMINAL FROM THE THERMOSTAT MUST BE WIRED TO THE "Y" TERMINAL OF THE FURNACE CONTROL FOR PROPER BLOWER OPERATION DURING COOLING.
8.) SET DIP SWITCHES WITH POWER OFF PER INSTALLATION INSTRUCTIONS TO SET AIRFLOW AND INDOOR FAN OFF DELAYS.
9.) OPTIONAL HUMIDISTAT IS TO BE CONNECTED BETWEEN "R" AND "BK". FACTORY INSTALLED JUMPER "R" TO "BK" ON THE CIRCUIT BOARD MUST BE CUT IF OPTIONAL HUMIDISTAT IS USED. THE JUMPER MUST ALSO BE CUT WHEN APPLYING AN AIRFLOW COMMAND SIGNAL TO THE "BK" INPUT SUCH AS WITH THE VARIABLE SPEED SINGLE-ZONE AND MULTI-ZONE SYSTEM CONTROLERS. ON SINGLE SPEED COOLING ONLY / NON-HEAT PUMP SYSTEMS, JUMPER "Y" TO "O" FOR PROPER OPERATION OF THE DELAY PROFILES AND THE HUMIDISTAT. FOR TWO COMPRESSOR OR TWO SPEED SYSTEMS, JUMPER "YLO" TO "O".




From Dwg. B342020 Rev. 0

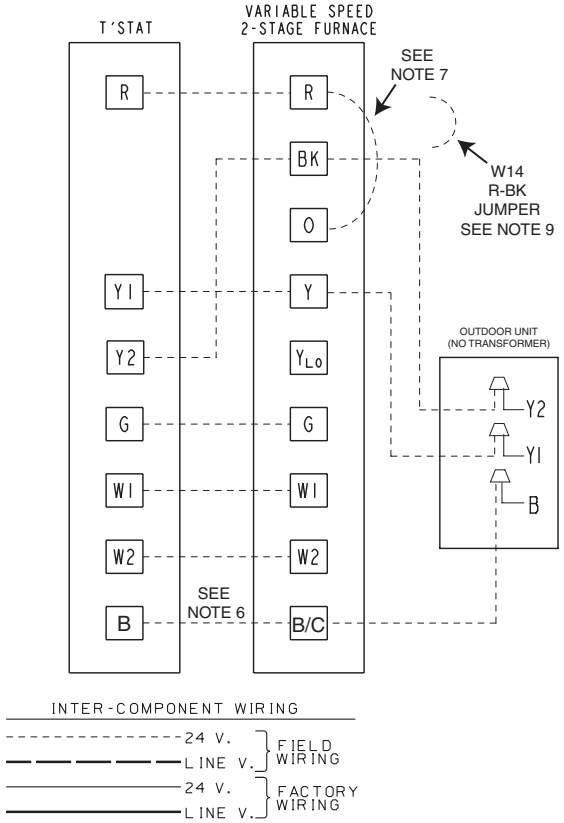
**Figure 63**



Pub. No. 22-1814-11

# Field Wiring

FIELD WIRING DIAGRAM FOR VARIABLE SPEED 2 STAGE FURNACE
2 STAGE HEATING, 2 STEP STAGED COOLING
(OUTDOOR SECTION WITHOUT TRANSFORMER)




NOTES:

1. BE SURE POWER AGREES WITH EQUIPMENT NAMEPLATE(S)
2. LOW VOLTAGE(24 V. 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 WIRE IS ONLY FOR THERMOSTATS REQUIRING CONNECTION TO TRANSFORMER COMMON TERMINAL.
7. FIELD INSTALLED R-O JUMPER MUST BE INSTALLED FOR PROPER BLOWER OPERATION DURING COOLING.
8. SET DIP SWITCHES WITH POWER OFF PER INSTALLATION INSTRUCTIONS TO SET AIRFLOW AND INDOOR FAN OFF DELAYS.
9. FACTORY INSTALLED JUMPER R TO BK ON THE CIRCUIT BOARD MUST BE CUT.

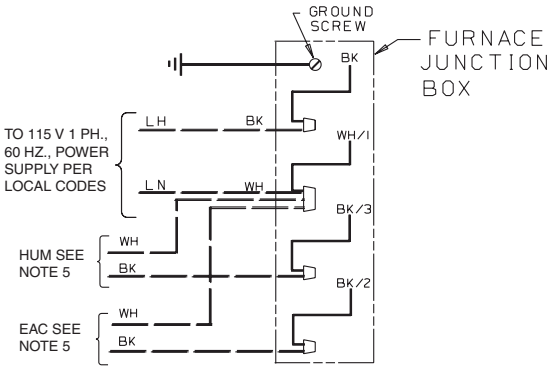



**Figure 64**

**HUMIDISTAT HOOKUP**

If an optional Humidistat is to be connected between "R" and "BK", the factory installed jumper between "R" and "BK" on the circuit board must be cut. If an optional Humidistat is used, the jumper must also be cut when applying an airflow command signal to the "BK" input such as with the variable speed single-zone and multi-zone system controller. On single speed cooling only/ non-heat pump systems, jumper "Y" to "O" for proper operation of the delay profiles and the Humidistat. For two compressor or two speed systems, jumper "YLO" to "O".

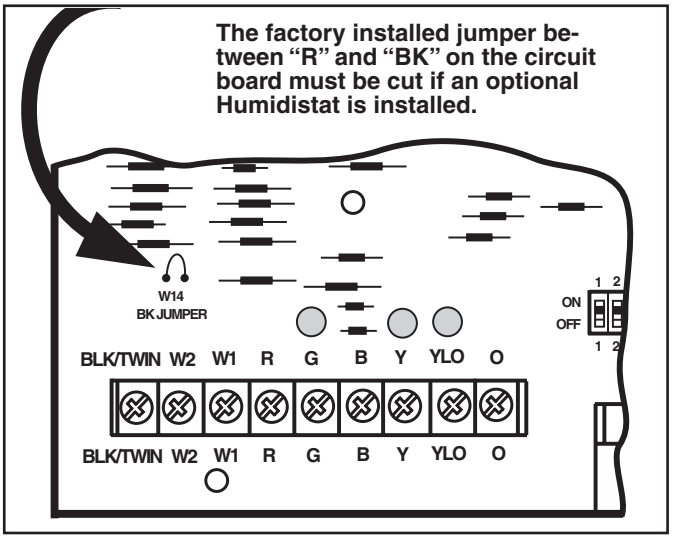
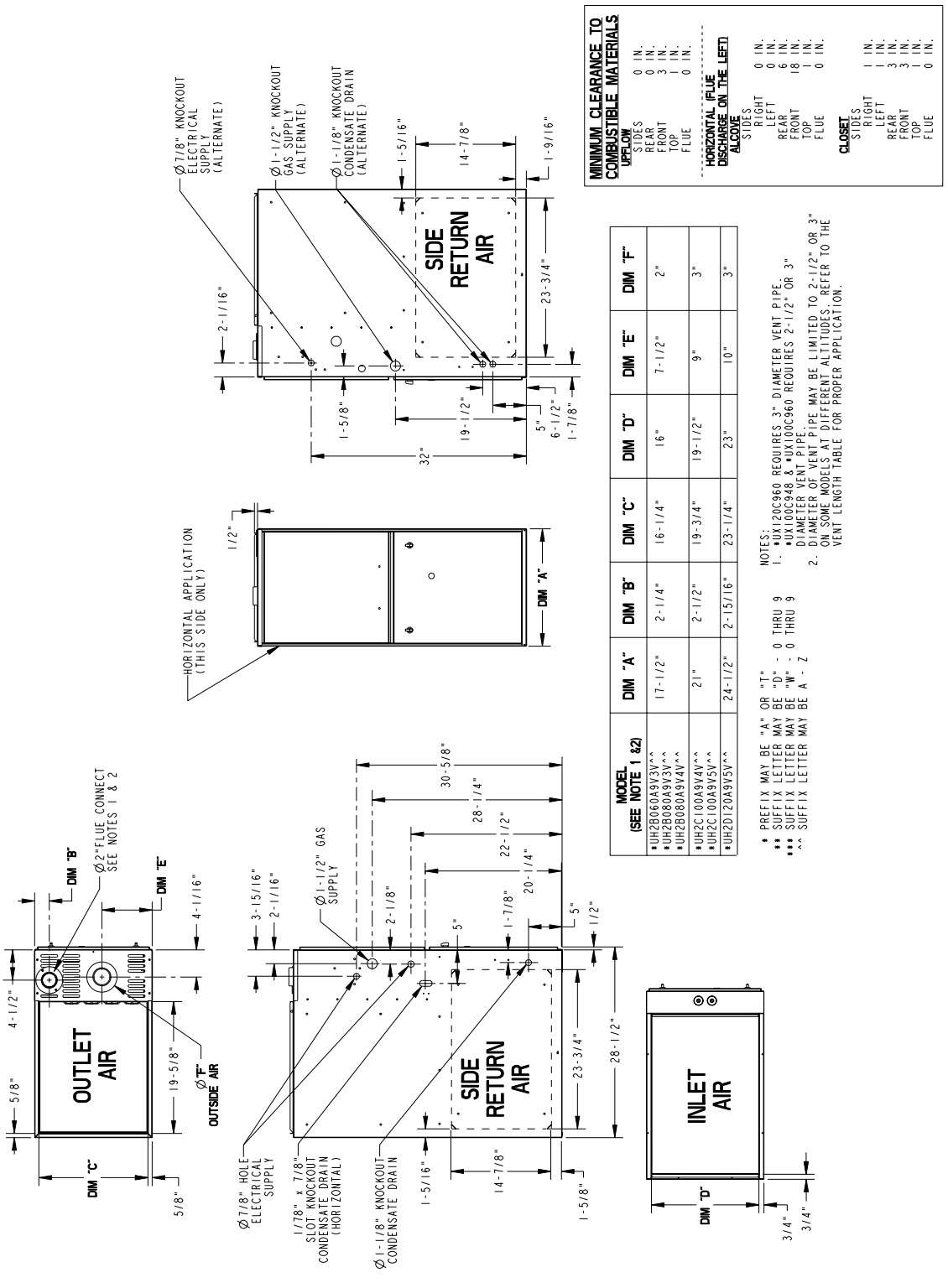



**Figure 65**

# Dimensions

## *UH2 UPFLOW/HORIZONTAL OUTLINE DRAWING

(ALL DIMENSIONS ARE IN INCHES)




| MODEL (SEE NOTE 1 &2) | DIM "A" | DIM "B" | DIM "C" | DIM "D" | DIM "E" | DIM "F" |
|---|---|---|---|---|---|---|
| *UH2B060A9V3V^^ | 17-1/2" | 2-1/4" | 16-1/4" | 16" | 7-1/2" | 2" |
| *UH2B080A9V3V^^ | | | | | | |
| *UH2B080A9V4V^^ | | | | | | |
| *UH2C100A9V4V^^ | 21" | 2-1/2" | 19-3/4" | 19-1/2" | 9" | 3" |
| *UH2C100A9V5V^^ | | | | | | |
| *UH2D120A9V5V^^ | 24-1/2" | 2-15/16" | 23-1/4" | 23" | 10" | 3" |

* PREFIX MAY BE "A" OR "T"
** SUFFIX LETTER MAY BE "D" - 0 THRU 9
*** SUFFIX LETTER MAY BE "W" - 0 THRU 9
^^ SUFFIX LETTER MAY BE A - Z

NOTES:
1. *UX120C960 REQUIRES 3" DIAMETER VENT PIPE. *UX100C948 & *UX100C960 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.

**MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS**

| | |
|---|---|
| **UPFLOW** | |
| SIDES | 0 IN. |
| REAR | 0 IN. |
| FRONT | 3 IN. |
| TOP | 1 IN. |
| FLUE | 0 IN. |
| **HORIZONTAL (FLUE DISCHARGE ON THE LEFT)** | |
| **ALCOVE** | |
| SIDES | |
| RIGHT | 0 IN. |
| LEFT | 0 IN. |
| REAR | 6 IN. |
| FRONT | 18 IN. |
| TOP | 1 IN. |
| FLUE | 0 IN. |
| **CLOSET** | |
| SIDES | |
| RIGHT | 1 IN. |
| LEFT | 1 IN. |
| REAR | 3 IN. |
| FRONT | 3 IN. |
| TOP | 1 IN. |
| FLUE | 0 IN. |

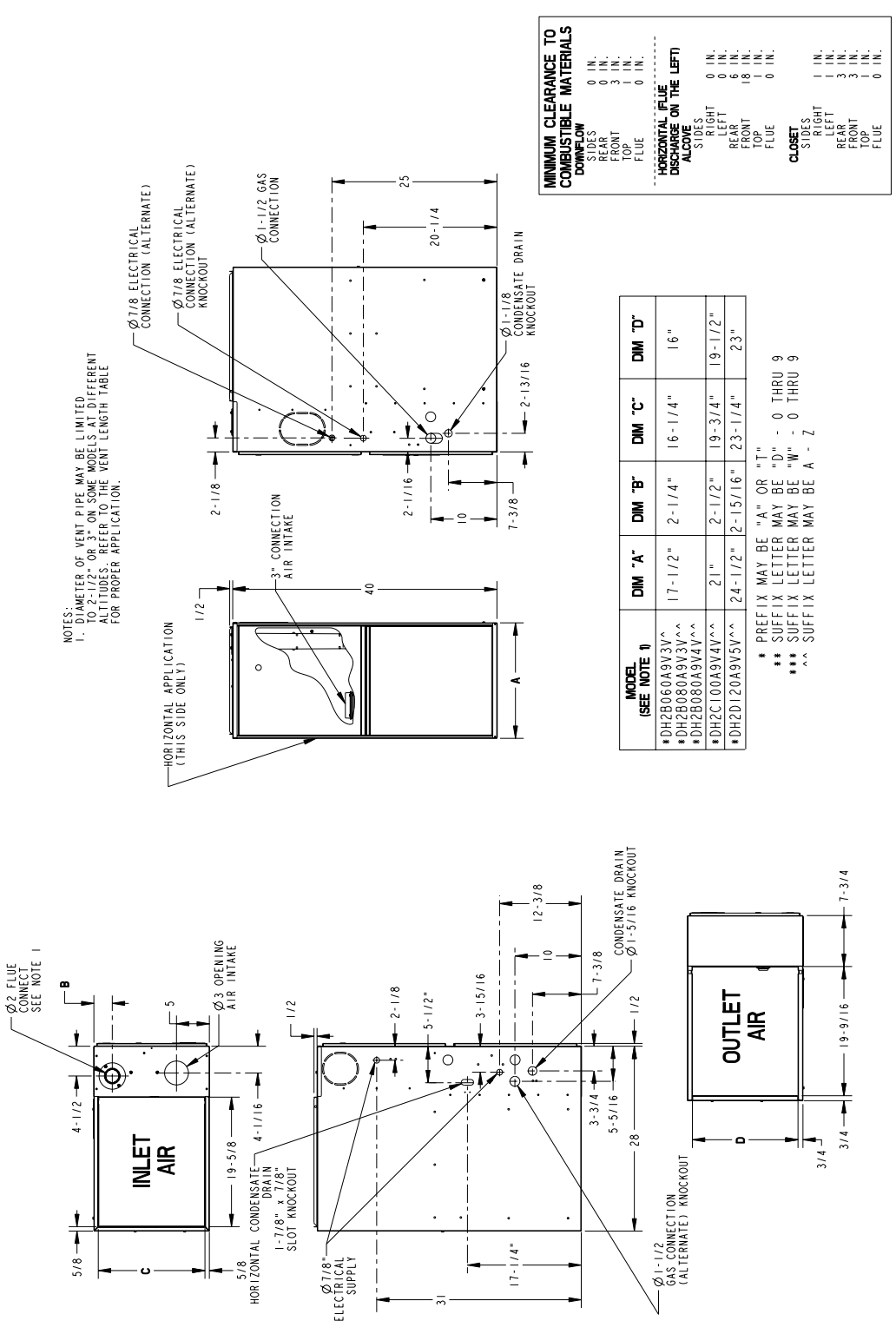


Pub. No. 22-1814-11

# Dimensions

## *DH2 DOWNFLOW/HORIZONTAL OUTLINE DRAWING

(ALL DIMENSIONS ARE IN INCHES)




| MODEL (SEE NOTE 1) | DIM "A" | DIM "B" | DIM "C" | DIM "D" |
|---|---|---|---|---|
| *DH2B060A9V3V^ | 17-1/2" | 2-1/4" | 16-1/4" | 16" |
| *DH2B080A9V3V^^ | | | | |
| *DH2B080A9V4V^^ | | | | |
| *DH2C100A9V4V^^ | 21" | 2-1/2" | 19-3/4" | 19-1/2" |
| *DH2D120A9V5V^^ | 24-1/2" | 2-15/16" | 23-1/4" | 23" |

* PREFIX MAY BE "A" OR "T"
** SUFFIX LETTER MAY BE "D" - 0 THRU 9
*** SUFFIX LETTER MAY BE "W" - 0 THRU 9
^^ SUFFIX LETTER MAY BE A - Z

**MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS**

| | |
|---|---|
| **DOWNFLOW** | |
| SIDES | 0 IN. |
| REAR | 0 IN. |
| FRONT | 3 IN. |
| TOP | 1 IN. |
| FLUE | 0 IN. |
| **HORIZONTAL (FLUE DISCHARGE ON THE LEFT)** | |
| **ALCOVE** | |
| SIDES | |
| RIGHT | 0 IN. |
| LEFT | 0 IN. |
| REAR | 6 IN. |
| FRONT | 18 IN. |
| TOP | 1 IN. |
| FLUE | 0 IN. |
| **CLOSET** | |
| SIDES | |
| RIGHT | 1 IN. |
| LEFT | 1 IN. |
| REAR | 3 IN. |
| FRONT | 3 IN. |
| TOP | 1 IN. |
| FLUE | 0 IN. |

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