

**33" 80% AFUE Single Stage Gas Furnace Start Up Sheet**  
Proper furnace start up is critical to customer comfort and equipment longevity

Start-Up Date

Technician Performing Start-Up

Installing Contractor Name

**Owner Information**

Name

Address

City

State or Province

Zip or Postal Code

**Equipment Data**

Furnace Model

Furnace Serial

Evaporator Coil Model

Evaporator Coil Serial

Outdoor Unit Model

Outdoor Unit Serial

**Furnace Configuration**

Upflow     Downflow     Horizontal Left     Horizontal Right

**Filter, Thermostat, Accessories**

Filter Type  Filter Size  Filter Location(s)

Thermostat Type  Other System Equipment and Accessories

**Connections -- All Per Installation Instructions and Local Code**

Unit is level     Gas piping is connected (including drip leg)     Supply plenum and return air are connected  
 Vent system is connected

**Venting: B Vent**

Vertical Termination Vent Pipe Size  # of 90 Degree Ells  # Of 45 Degree Ells  Total Height   
Connector Size  Connector Length

Horizontal Term. (with External Power Vent) Vent Pipe Size  # of 90 Degree Ells  # Of 45 Degree Ells

**Venting: Lined Masonry Chimney**

B Vent Connector     Single Wall Connector    Connector Size  Connector Length  Chimney Height

# of 90 Degree Ells  # Of 45 Degree Ells

Venting system is the proper size, within the limitations of the chart in the installation instructions, properly connected to the furnace, and properly pitched

Other appliances in same common vent:			
Water Heater	<input type="checkbox"/> BTUH Input	<input type="text"/>	Fan Assisted? <input type="radio"/> Y <input type="radio"/> N
Furnace	<input type="checkbox"/> BTUH Input	<input type="text"/>	Fan Assisted? <input type="radio"/> Y <input type="radio"/> N
Other	<input type="checkbox"/> BTUH Input	<input type="text"/>	Fan Assisted? <input type="radio"/> Y <input type="radio"/> N

**Electrical: Line Voltage**

Polarity is correct (black is L1 (hot), white is N (neutral))     Ground wire is connected    Line voltage to furnace (AC)

**Electrical: Low Voltage**

Thermostat wiring is complete     Thermostat heat anticipator set to .45 (if present)

Low voltage value between "R" and "C" on furnace control board (volts AC)

## Gas Side

Gas Type  Natural Gas  LP Gas (Requires LP conversion kit)

LP Gas Conversion Kit Part # Used  LP Conversion Kit Installed By

Inlet Gas Pressure (in. w.c.)  Manifold Gas Pressure (in. w.c.)

Calculated input in btuh - clock the gas meter (Nat Gas Only)

Burner flame inspected -- flames are blue and extending directly into the primary heat exchanger cells

## Air Side: System External Static Pressure

Supply static **before** evaporator coil (in w.c.)  Supply static **after** evaporator coil (in w.c.)

Return Static (in w.c.) **before** filter  Return Static (in w.c.) **after** filter (furnace side)

Total External Static Pressure

## Air Side: Heating

Blower Speed Selected (PSC)  Red (Low)  Yel (Med Low)  Blue (Med High)  Black (High)

Blower Speed Selected (Standard ECM)  Red (Low)  Yel (Med Low)  Gray (Med)  Blue (Med High)  Black (High)

Blower Speed Selected  Supply Air Dry Bulb Degrees F  Temperature Drop Degrees F

## Air Side: Cooling

Blower Speed Selected (PSC)  Red (Low)  Yel (Med Low)  Blue (Med High)  Black (High)

Blower Speed Selected (Standard ECM)  Red (Low)  Yel (Med Low)  Gray (Med)  Blue (Med High)  Black (High)

Return Air Dry Bulb Degrees F  Return Air Wet Bulb Degrees F  Blower Performance Data Chart Cooling CFM

Supply Air Dry Bulb Degrees F  Supply Air Wet Bulb Degrees F

Temperature Drop Degrees F  Outside Air Dry Bulb Degrees F

## Air Side: Continuous Fan

Blower Speed Selected (PSC)  Red (Low)  Yel (Med Low)  Blue (Med High)  Black (High)

Blower Speed Selected (Standard ECM)  Red (Low)  Yel (Med Low)  Gray (Med)  Blue (Med High)  Black (High)

## Cycle Test

Operate the furnace through several heating cycles from the thermostat, noting and correcting any problems

Operate the furnace through continuous fan cycles from the thermostat, noting and correcting any problems

Operate the furnace through cooling cycles (as applicable), noting and correcting any problems

## Clean Up

Installation debris disposed of and furnace area cleaned up?

## Owner Education

Give owner the owner's manual provided

Explain operation of system to equipment owner

Explain the importance of regular filter replacement and equipment maintenance

Explain thermostat use and programming (if applicable) to owner

## Additional Job Detail