33" 80% AFUE Single Stage Commercial Belt Drive 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 | # 0f 45 Degree Ells | Total Height

Connector Size | Connector Length

☐ Horizontal Term. (with External Power Vent) Vent Pipe Size | # of 90 Degree Ells | # 0f 45 Degree Ells

Venting: Lined Masonry Chimney

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

of 90 Degree Ells | # 0f 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	☐ BTUH Input		Fan Assisted? ◯ Y ◯ N
Furnace	☐ BTUH Input		Fan Assisted? ◯ Y ◯ N
Other	☐ BTUH Input		Fan Assisted? ◯ Y ◯ 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)

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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

Belt Drive Blower:

Belt Part Number _____ Belt Size _____

Belt & Blower Aligned Properly ◯ Y ◯ N Fan Rotation Correct ◯ Y ◯ N

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

Return Air Dry Bulb Degrees F _____ Supply Air Dry Bulb Degrees F _____ Temperature Rise in Degrees F _____

Air Side: Cooling

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 _____

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