33" 80% AFUE (ECM/PSC) Modulating 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

Vent Pipe Size

of 90 Degree Ells

0f 45 Degree Ells

Total Height

Connector Size

Connector Length

Venting: Lined Masonry Chimney with B-Vent 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 heat anticipator set to .1 (if present)

☐ Thermostat wiring is complete ☐ Thermostat cycle rate set to 6 cycles/hour (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.") - furnace must be in TEST Mode for setup _____

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 (Cooling Mode)

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

ATR Setting ◯ NOM ◯ +10F ◯ -10F

Temperature Rise in Degrees F _____

Other Jumpers

De-humidistat	◯ YES	◯ NO
Heat Pump	◯ YES	◯ NO
Zone Control	◯ YES	◯ NO

Air Side: Cooling

COOL Speed Selected	◯ L (Low)	◯ ML (Med Low)	◯ MH (Med High)	◯ H (High)
ADJUST Setting (ECM Models)	◯ C	◯ B	◯ A	
DELAY Setting (ECM Models)	◯ L (Low)	◯ ML (Med Low)	◯ MH (Med High)	◯ H (High)

Air Side: Continuous Fan

Blower Speed Selected ◯ L (Low) ◯ M (Med) ◯ H (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