

33" 97% - 98% AFUE 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

Condensate Management

Condensate tubing is correctly installed for the furnace position Condensate drain is connected

Venting

Intake Size # of 90 Degree Ells # Of 45 Degree Ells Length

Exhaust Size # of 90 Degree Ells # Of 45 Degree Ells Length

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

Exhaust Termination
 Roof
 Sidewall

Intake Termination
 Roof
 Sidewall
 Attic

Electrical: Line Voltage

Polarity is correct (black is L1 (hot), white is N (neutral)) Ground wire is connected

Line voltage value to furnace (volts 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)

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