

# 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  # Of 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  # 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 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