RESIDENTIAL START UP CHECK LIST

Cond. Model #_____   Serial #_____

Evap. Model #_____   Serial #_____

AH/Furn. Model #_____   Serial #_____

Elec. Heat Model #_____   Serial #_____

Owner_____ Phone #_____ Start Up Date_____

Owner Address_____

Installing Contractor_____ Start Up Mechanic_____

☐ Check and verify model numbers to insure proper match up

☐ Install field accessories as required (Follow accessory installation instructions)

☐ If installing a TXV, carefully tighten connections and install/insulate sensing bulb

☐ Prior to energizing the system, inspect all factory electrical connections (tighten as needed) and verify field wiring, including accessories.

☐ Verify thermostat parameters have been set to jobsite requirements

☐ Inspect and set pin selections on air handler, furnace and condensing unit (if applicable)

☐ Install primary and secondary drains as per I/O and local codes

☐ Install line set, purging with Nitrogen while brazing (Leak check refrigeration system)

☐ Evacuate to below 500 microns *(Must stay below 1000 microns for 7 minutes)*

☐ Calculate and weigh in refrigerant charge (Refer to application data sheet)

☐ *Furnaces:* Leak check all gas line connections, then verify a complete and solid ground exists

☐ *Furnaces:* If converting to LP verify the correct kit has been used and installed.

☐ *Furnaces:* Measure inlet gas pressure_____ Measure manifold gas pressure_____

☐ *All Heating Systems:* Measured Temperature Rise_____ (Adjust airflow as needed)

☐ *Refrigeration Systems:* Verify airflow, operate for 15 minutes, then measure/record performance. *If heat pump, operate in both heating and cooling modes*

☐ Perform all other start up procedures outlined in the installation instructions and complete the data fields on page 2 of this document

☐ Balance system airflow to each room to insure proper distribution

☐ Provide owner with information packet, explaining thermostat and system operation

WWVIRGINIA AIR
VIRGINIA AIR DISTRIBUTORS, INC.

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It's Time to Get Comfortable™

Air Conditioning & Heat Pump Systems
Start-Up Information Sheet
Record the data below as a permanent record the unit is performing as expected on start up.

LL: Pressure_____ Temperature_____ Saturated Temperature_____ Subcooling_____ OD Db Temp_____

SL: Pressure_____ Temperature_____ Saturated Temperature_____ Superheat_____ Discharge Temp_____
Measured after 15 minutes of run time

Compressor: Type_____ Running Volts_____ Amps (1st Stage)_____ Amps (2nd Stage)_____

Low Voltage: R____ Y1_____ Y2_____ Y2Out_____ O_____ W1_____ W2_____
Measured from Common

Suction Line Size___ Liquid Line Size___ Vertical Rise____ ft. Total Length_____ ft. # of Els___
Is there underground pipe (Y/N)_____ Length underground_____ft. Refrigerant added ____ozs
If line size verification is required, provide configuration drawings. Refrigerant added is for system match and line length beyond 25'

Return Air: db Temp_____ wb_____ Supply Air: db_____ wb_____ ΔT_____
Values must be taken as close to the coil as possible. Wb temps must be recorded to the nearest tenth of a degree

Return Air Static Pressure_____ Supply Air Static Pressure_____ Total Static_____
Taken downstream of filter for return and upstream of coil for supply (unless a single piece air handler)

CFM_____ Calculation Method: Temp Rise_____ Velometer_____ ECM Board Settings_____

ECM Jumper Settings: Cool_____ Adjust____ Heat_____ Delay_____ Hum_____ HP_____

Other Air Handler, Defrost Control or Furnace Jumper Settings:_____

Comments_____

_____

_____

Total Static Measurement

TOTAL STATIC