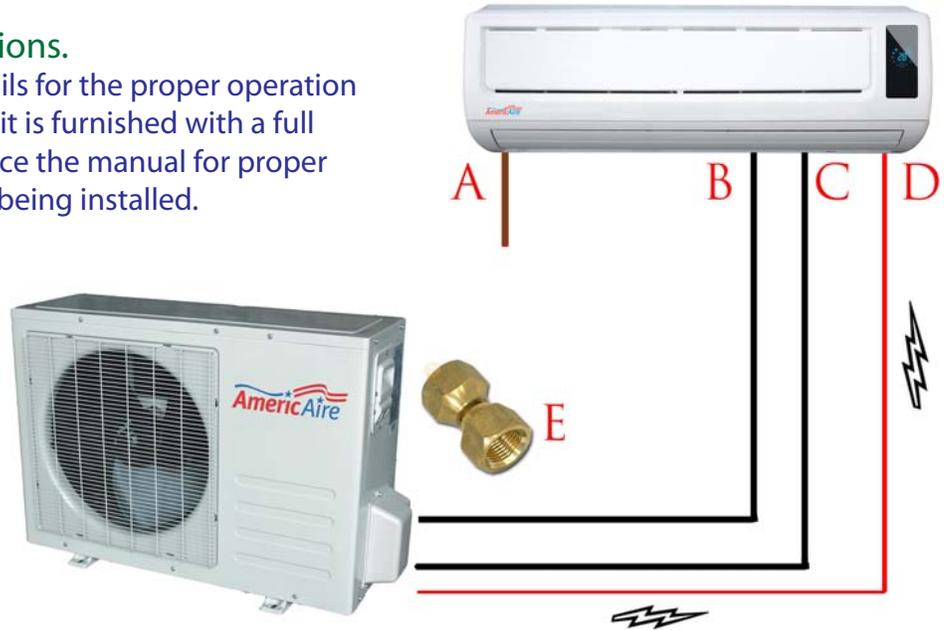




High Wall Split-System Operations.

Following is a list of important details for the proper operation of high wall split-systems. Every unit is furnished with a full installation manual. Please reference the manual for proper procedures for specific equipment being installed.

- A. DRAIN HOSE
- B. LIQUID LINE
- C. SUCTION LINE
- D. ELECTRICAL WIRE
- E. FLARE FITTINGS



A. Drain Hose

The drain hose is 18" of 1/2" plastic tubing that can easily be connected to additional plastic tubing to the desired distance expelling water created by the de-humidification function. The drain hose may drain from either the left or right side of the evaporator depending on the placement of the 3" hole.

B. Liquid Line

The liquid line or (high side) refrigerant line is used to impel cool refrigerant from the condenser to the evaporator. The pounds per square inch (PSI) of refrigeration should be 465 PSI on the R410A gauge for AmericAire equipment. If pressures are below the set PSI requirements, additional refrigerant will need to be added to the system.

C. Suction Line

The suction line or (low side) refrigerant line is used to expel warm refrigerant from the evaporator back to the condenser. The refrigerant in the suction line should be 252 PSI on the R410A gauge for AmericAire equipment.

D. Electrical Wire

The high wall split-system equipment includes electrical wiring. Electrical wire between the condenser and the evaporator needs to be high voltage 10 to 14 gauge wire depending on the condenser size; consult your installation manual. Wiring for 13 SEER equipment or greater will travel:

1. From the electrical box to a disconnect outdoors.
2. From the disconnect to the condenser (outdoor unit).
3. From the condenser to the evaporator (inside unit).

Please note the proper fuse size, equipment voltage (110/220), wiring diagram (Included in the user manual) and local electrical regulations for proper legal installation. Heat Pump units will have an additional thermostatic defrost sensor wire that must be connected to reverse the system in case of internal icing.

E. Flare Fittings

HVAC flare fittings are standard on all our high wall equipment. Consult the equipment specification brochures or the installation manual for proper fitting size. Also note, that sometimes longer line-sets require larger fittings that will require a reducer fitting. Warranty specifies that all high wall systems require a certified HVAC professional for installation.