

King Air Horizontal Gas System Installation Guidelines

- Meet and greet the customer
- Survey the installation site
- Cover and protect all work areas
- Environmentally secure and remove old equipment from premises
- Check options for flooring upgrades
- Move new equipment into place
- Level and hang with 1 ½ " metal strap
- Install a new filter rack / check options
- Transition to existing plenum boxes/check options
- Mastic seal all new joints
- Install and level new emergency drain pan
- Install ceiling saver float switch
- Install new ½" black pipe through furnace wall
- Install new ball type gas stop with new flex gas line
- Flush existing main emergency drain lines
- Install trap or vent as needed and attach to existing drain lines
- Attach new type B double wall vent pipe and transition into existing vent pipe/check options
- Inspect vent pipe from furnace through roof penetration to ensure proper slope, clearance, and seal
- Pull new thermostat wire and seal header hole when necessary
- Install new thermostat
- Attach and insulate new refrigerant lines/check options
- Level existing slab/check options
- Move outdoor unit into place
- Attach or transition to existing refrigerant lines/check options
- Pressure leak test system
- Evacuate system
- Insulate suction line back to wall
- Install new 60 amp disconnect box
- Install new #8/3 wiring harness whip
- Start-up air conditioning
- Charge system with sub cool method (temps above 70 degrees) on high speed
- Record supply and return temps on air conditioning
- Start-up heat
- Leak test gas line from gas stop to furnace with electronic leak detector
- Light all pilots, hot water heater, stove, etc.
- Record supply and return temps on heating
- Attach King Air Conditioning help number
- Perform Quality Assurance Audit
- Take pictures of equipment installation
- Remove protective covers, clean and vacuum
- Give customer all paperwork and warranties
- Consult with customer as to thermostat operation, filter location, and change rate, and general operating instructions. Address any concerns and answer any questions. Leave customer VERY satisfied with new equipment installation.

Options:

- Flooring upgrade _____
- Filter upgrade _____
- New R-6 insulated metal supply plenum
- New air balancing dampers
- New R-6 insulated metal return plenum
- New R-6 flex duct reconnect
- Mastic seal on all new connections
- New properly sized insulated line set with insulated suction line
- New line cover
- New insulated properly sized suction line
- New properly sized liquid line _____
- Seal and cover gable penetration
- New weather protected low voltage wiring for outdoor unit
- Add new return ducts _____
- Add new supply ducts _____
- New breaker _____
- New UV light _____
- New properly sized reinforced concrete slab
- New humidifier _____
- New properly sized upper combustion air vent _____
- New properly sized lower combustion air vent _____
- New properly sized type B double wall vent pipe from furnace through roof, new flashing, storm collar, and vent cap
- New EWC zoning system _____