

What Is a Split HVAC System?

A **split HVAC system** consists of two main components: an outdoor unit (condenser/compressor) and an indoor unit (air handler or furnace). The outdoor unit handles the cooling function, while the indoor unit manages the heating and air distribution. This system is ideal for residential and commercial applications where indoor space needs to be kept clear, and it provides the flexibility to be installed in various configurations. Split systems are typically more energy-efficient than package systems and are common in both existing and new builds.



What's Included in the Installation

At **Cumberland Cooling**, we provide a **comprehensive, code-compliant installation** to ensure your new split system operates efficiently and reliably. Below is a detailed breakdown of what is included:

✓ Removal and Prep

- **Safe removal and disposal of old HVAC equipment.**
- **Site evaluation and preparation** for new system installation, ensuring proper placement of both indoor and outdoor units.

✓ Ductwork Assessment

- **Inspection and repair of the first 5 feet** of supply and return ducts connected to the indoor unit.
- **Installation of new ductwork transition fittings** to ensure proper and airtight connections to the equipment.

✓ Structural and Weatherproofing

- **New equipment pad** for the outdoor unit (if ground-mounted) or appropriate platform for rooftop units.
- **Rodent barrier** installed around the outdoor equipment to prevent pest intrusion.

✓ Electrical and Controls

- **New high-voltage conduit and wiring** for connecting the outdoor and indoor units.
- **Installation of a surge protector** for both the outdoor unit and the indoor equipment for added electrical protection.
- **Protective sheathing for thermostat wire** to ensure safe, long-lasting connections.

- **New standard thermostat** installation and wiring to the indoor unit.

✓ System Setup and Balancing

- **Full system start-up** with a thorough check of all functions and components.
- **Airflow balancing** to ensure even distribution of conditioned air throughout the space.
- **Gas pressure adjustment** (for systems with heating function) to optimize furnace performance.
- **Refrigerant balance and charge** to ensure proper cooling efficiency.

✓ Drainage System

- **Installation of a new drain pan** to ensure proper condensate management.
- **Three (3) drain safety switches** for additional protection against drain line clogs and to prevent water damage.

✓ Finishing Touches

- Complete **cleaning of all materials and debris** from the job site.
 - **Final system inspection** and customer walkthrough to ensure everything is working as expected.
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🔍 Not Included (Unless Quoted Separately)

- Major ductwork redesign beyond the first 5 feet.
 - Electrical panel upgrades or circuit extensions beyond the provided scope.
 - **Crane service** (if required for rooftop placement).
 - Smart or Wi-Fi-enabled thermostats (available upon request).
 - Indoor air quality upgrades (e.g., filters, UV lights, humidifiers).
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🔧 Warranty & Support

- **Warranty details** are described in the specifics of your quote.
- Manufacturer's warranty for most HVAC systems is typically **10 years parts warranty**, when registered.
- Optional **maintenance plans** available for ongoing support.
- **Bi-annual maintenance** may be required for certain brands to maintain the full labor warranty. Please refer to your quote for further details.