

Types of Commercial Cooling Systems

Keeping a commercial business cool is very different from keeping a residential home cool. There is a lot more to it, and a lot more that has to be done. First of all, you have a greater drain on the system because of the amount of offices and people who want comfort-controlled offices. It costs more money, has to work longer, and has to be more powerful as well.

Commercial cooling systems work using HVACs, which supply cold air to the offices, but there are four main types that do this.

- Duct-Free Split System
- Split Systems
- Hybrid Heat Split System
- Packaged Systems

Duct-Free Split System

This is a system that is installed where conventional ducted systems are unable to go. If you have a duct system, it can be a perfect addition to it. These systems use a combination of:

- Heat Pumps and Air Conditioners
- Refrigerant Tubing and Wires
- Control or Thermostat
- Indoor Air Quality Accessories
- Compact Fan Coil

Split Systems

This is the most common type of air conditioning system in commercial buildings. With this system, you have products that are both inside and outside the business. This can include components like:

- Air Conditioner
- Evaporator Coil or Fan Coil
- Ducts
- Controls and Thermostats

- Indoor Air Quality Accessories
- Humidifiers

Hybrid Split System

This system is more energy-efficient than other traditional split systems, helping to save companies a lot of money as a result. The inclusion of a heat pump within this system allows for both heating and air conditioning, and a gas furnace heat can be installed into it. Components for this system include:

- Heat Pump
- Evaporator Coil
- Ducts
- Control or Thermostat
- Indoor Air Quality Accessories
- Air Conditioner

Packaged Heating and Air Conditioning System

This is the least efficient system for cooling down an office because it involves having multiple air conditioners set up in the office in various areas to cool down the office as a whole. It requires more energy to cool down everything, and it involves the multiple installation of each air conditioner. The one benefit of this is it is far cheaper than the other options since no major work apart from installing in a window is needed.

The components of this system include:

- Packaged air conditioners
- Indoor Thermostat that is wired to the thermostats, or is directly on the air conditioners themselves.