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Things to consider for split system air con by [S.m.azizur Rahman](#)

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The air con, split system is the perfect choice for larger air conditioning applications. With evolution of air con, the split system has become the better option since it is cheap and user friendly. Basically, the split system splits the cold side from the hot side.

The composition and working of split system air con: The first part, also known as the compressor or condensing unit, is normally housed outside the building. It consists of cold coil and expansion valve which are placed into a furnace or air handler. Air is blown by the air handler through the coils which collects and directs away any hot air in the building. In large buildings like malls, warehouses, departmental stores among others, the compressor at times is so huge and is preferably placed on the roof from where it is connect to the several units that services smaller units in the building.

The second part contains of a long spiral duct that is cylinder like with a fan to blow air. In addition, there is a weather resilient compressor and control logic. The advantage of this unit of the split system is that it reduces noise inside the building so that it is calm and quiet with the noise on the outside. The other advantage is that capacity can be considerably increased by enlarging the coils and compressor. As good as the split system is, it may not work for very large premises. This is because very long ducts begin to cause lubrication problems in the compressor or the amount of duct work becomes unmanageable.

Duct free split system: For homes with no ducts, duct free air con, split systems, also known as mini-splits, could come in handy to regulate the air in the building. The package has the advantage of being very quiet, efficient and safe for home use. Duct free split systems can also be used for commercial purposes for spot cooling or in unique load situations.

Other considerations: Having mentioned the above, it is important to consider a few factors before deciding on the type of air con, split system (among others). First and foremost, you need to pre-determine the very type you need, given the market availability options. The efficiency of the conditioner of your choice is paramount. In addition, professional or technical guidance on installation, the capacity or output, and your financial capabilities would come in handy in making an informed decision. Last but not least, ensure that a check light is fixed on the filter for your air con, split system.

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[S.m.azizur Rahman](#) - About Author:

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