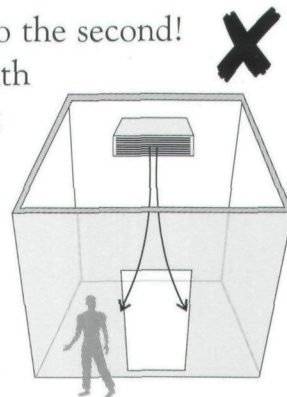




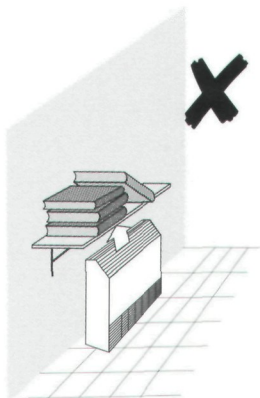
Can I locate the indoor unit (IDU) of my split airconditioner anywhere I wish? Does the cooling efficiency depend on the location?

No, to the first question, and yes, to the second! There are many do's and don'ts with regard to placing the indoor unit (IDU) of a split airconditioner.

Do not place a wall mounted or ceiling mounted IDU directly opposite or above a constantly opened door. The cold air is blown out, wasting a lot of cooling.



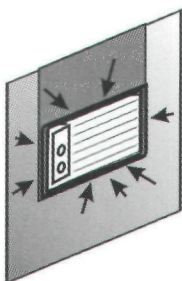
Do not place a floor-mounted IDU below a shelf. Much of the cold air will short-cycle back into the machine, once again wasting cooling.



It is better to consult your airconditioning supplier before you finalise the location of the IDUs.

How important is good installation for energy-efficiency?

Very important. Even the best airconditioners, designed to perform efficiently, can be power-guzzlers if installation is not perfect. Reputed airconditioning companies follow strict installation standards that govern the processes, tests and materials used during installation.



Among others, the following common installation errors can result in major power losses:

Window ACs: Leakage of cooled air around wooden framework.

Non-ducted splits: Unsealed piping exits, inadequate insulation and refrigerant piping with too many bends.



Ducted systems: Short-cycling, poor design of ducting, inferior quality of ducting (more on this later), and lack of tail-end insulation on long ducts.

Central Plants: Abnormally high duct velocity, leakage in ducts, improper balancing of water and air, and lack of tail-end insulation.

Ensure therefore that your installation is carried out by trained personnel only.

Does it help to 'mix' airconditioner types while airconditioning my premises?

Yes, an intelligent planning engineer may be able to suggest a smart mix of different types of airconditioners to efficiently aircondition your premises. It is possible, for example, that the supplier may suggest room airconditioners for some cabins which are rarely occupied and therefore the ducted airconditioning system need not be loaded unnecessarily.



You may also consider installation of multiple units instead of a single large capacity airconditioner, so that you can switch off some of the units when the heat load is less than normal. Thus, considerable power savings can be achieved.

Do I need trained operators for my AC?

Certainly not for **residential** applications.

For **light commercial** use, as in small offices, shops and showrooms, any responsible person from your establishment can be quickly trained to keep an eye on the system and call your service providers for assistance in case of any perceived problem.

In **heavy commercial** applications, as in large offices, complexes and apartments, it would certainly help to have a trained operator on hand to maintain and operate the system in accordance with manufacturer's instructions. Many suppliers also provide Operating Contracts that include stationing a trained operator at site, in case you cannot provide personnel for this purpose.

For **large applications**, as in airports, hotels, hospitals and the like, trained personnel employed specifically for this purpose are essential to run the Central AC Plants.