San Jose Air Conditioning in Commercial Buildings by Tracy Narvaez

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Excessive heat inside a room causes thermal discomfort to its occupants. This can become lethal if the hotness is extremely low or high. Air conditioning refers to the process of controlling temperatures in rooms. This may be achieved through cooling, heating, disinfecting or ventilating. The two major aspects of atmosphere that are regulated are the humidity content and temperature. The process is done to motor vehicles or building. San Jose air conditioning is up to the mark.

Air conditioner is an electric appliance that is used to condition or regulate air conditions in a room or vehicle. It does both heating and cooling depending on how it is set. The main techniques air conditioners use are refrigeration cycles and evaporation. Fans can also serve air regulatory purposes.

Conditioning applications are put into two chief categories, comfort and process. For comfort applications, appliances are supposed to ensure constant interior environments. They make sure that irrespective of variations in the conditions in the atmosphere outside the house, the interior remains unchanged. This has permitted buildings to be built taller or else due to rising velocity of wind with height, natural aeration would actually be not practical. Structures are constructed with broad width because artificial ventilation is available.

Comfort applications differ with the numerous kinds of buildings. For instance applications practical to sport stadiums differ from those applied to commercial or health buildings. The effect from the machines differs with their output capabilities and sizes. Comfort application is also applied in aircrafts, trains, buses and other means of transport.

In process application, conditioners offer a favorable environment that facilitates a process that is being carried out. External factors like humidity and heat should not have any influence on the activity. Such processes include internal surgery operations and production of integrated IC circuits. Theaters and clean rooms need to have steady conditions to minimize wastage and spoilage of chips. Most surgery operations need low and steady temperatures. In both applications, air movement needs to be under control and high quality maintained.

Humidity is restricted by condensing vapor and water droplets in the atmosphere. The condensed vapor is then removed from the system. Air has water vapor always. This vapor constitutes of relative humidity. Excessive humidity is harmful and uncomfortable and must be removed. The power needs of coolers are high because their effect must surpass heat dissipation into the room. Most have efficiencies higher than 100 percent.

Air conditioners are manufactured in varied shapes, sizes and colors. Those that serve gigantic buildings are massive units fixed at one point where they were installed. The two major colors are white and gray. They are also made of many materials ranging from melamine, metals, plastics or alloy and mixtures.

Some small units are portable and have wheels to assist in moving them into homes or offices. Reverse cycle air conditioner can have their refrigeration cycles reversed to produce a cooling effect rather than heating. San Jose air conditioning has evolved so much due to the advancement in technology. Many companies make and sell best appliances with their spare parts.

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