

Air Condition Equipment Division

Air conditioner with plug fan for computers

The number of "computer center" and "data center" of corporations such as banks, telecommunication companies, software developing companies and the internet-related companies, in which a lot of information and data are handled, increases recently among many buildings for various use. In these centers, the optimum environment is adjusted to operate computers. An air conditioner for computers is a cooling only air conditioner to cool heat from computers by air. Dozens to hun-

dreds of air conditioners are used in a building. It is important to save energy regarding fans because air transfer power is relatively large in air conditioner, and there are a lot of air conditioners. Though a multi-blade fan (sirocco fan) was used in our conventional air conditioner for computers, a small and high-efficiency plug fan was adopted since this year. Pressure loss at the outlet of the fan is relatively small because of its structure. Electric power consumption of the fan can be reduced

by more than 10% compared with conventional one. So it is effective for saving energy of air conditioners. The fan is light because it is made of aluminum. It can be directly installed to a normal standard motor because its structure is simple. Assembly in manufacturing and maintenance of it are easy because the number of parts forming it is small.



An air conditioner for computers



A high efficiency aluminum plug fan

