

# Free read Mitsubishi electric air conditioning operating manual (Read Only)

an air conditioner is a mechanical system designed to regulate indoor temperature and humidity levels to create a comfortable indoor environment an air conditioner operates using the refrigeration cycle specific refrigerants are needed as the working fluid in the refrigeration cycle an air conditioner goes through 4 processes compression condensation expansion and evaporation an air conditioner works by absorbing warm indoor air and cooling it through a set of coils known as an evaporator the cooled air is then circulated back into the room this extraction of heat from the room ultimately provides a comfortable and cool indoor environment during hot weather air conditioner or heat pump operating temperatures an introduction to air conditioner temperatures and some rules of thumb that are quick and easy to apply in diagnosing air conditioner problems aircon ac and a c are common terms for air conditioning it includes a fan to circulate the conditioned air within the room the enclosed area can be a building or a vehicle today we ll look at the definition diagram purposes parts types and operating principle of an air conditioning system so let s start air conditioners have three main components a compressor a condenser coil and an evaporator coil they also have a special chemical called refrigerant that loops through the system absorbing and removing heat

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