

ABSTRACT OF THE DISCLOSURE

VEHICLE AIR CONDITIONING DEVICE

The vehicle air conditioning device of the present invention comprises: an evaporator unit, attached to a ceiling of a vehicle, for discharging cooled air into a duct extending from the front to the rear of the vehicle at an upper corner of the vehicle; a compressor for compressing refrigerant, the compressor being driven by an engine; and a condenser for cooling and liquefying the refrigerant compressed by the compressor and sending the refrigerant to the evaporator unit, wherein the evaporator unit comprises: an evaporator for absorbing heat by vaporizing the refrigerant sent from the condenser and by returning the refrigerant to the compressor; a duct case attached to a side wall of the evaporator; and a plurality of fan motors, attached to a bottom plate of the duct case, for drawing the air through the evaporator into the duct case to cool the air and discharging the cooled air into the duct, the evaporator unit is arranged inside the duct, and the fan motors are arranged so that outlet openings of the fan motors are directed in the direction of extension of the duct and so that the cooled air discharged from the outlet openings is prevented from interfering with the fan motors located downstream.

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