The invention relates to the transport mechanical engineering, in particular to the automotive industry, and it is meant for the creation of comfortable conditions in the cabs of transport facilities.

Summary of the invention consists in that the device for air conditioning in transport facilities includes a body, provided with an air inlet pipe with a fan mounted therein, an air outlet pipe and a pipe-line for the heat-transfer agent, one part of which is placed outside the body. Into the body there are placed the heat exchanger and the thermoelectric modules, electrically connected to the power supply. Novelty consists in that the heat exchanger includes a plain radiator of the heat-transfer agent having a central duct, communicating with the pipe-line for the heat-transfer agent, into the contour of which there is installed a circulating pump, in the lateral sides with ribs of the radiator there are placed electric conductors, connecting the thermoelectric modules to the power supply, provided with polarity reverser, and onto both plane bases thereof there are rigidly fixed, without gap, plane heat exchange elements of the thermoelectric modules. Onto other plane heat exchange elements of the thermoelectric modules there are rigidly fixed, without gap, metal-fibrous radiators, each of which containing a plate coming into contact with the heat exchange element of the module and a metal-fibrous layer nondetachably connected to it, wherein it is made a series of through channels, the inlets and outlets of which are oriented towards the air inlet and outlet pipes respectively.

The heat exchanger radiator may be multichannel, the surface of the channel may be made with ribs.

The diameter of fibres of the metal-fibrous radiator is of 0,05…1,00 mm, the porosity of 75…92%, and the diameter of its through channels is of 2…5 mm.

The result of the invention consists in increasing the heat transfer efficiency.

Claims: 5
Fig.: 2