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ABSTRACT OF THE DISCLOSURE

In a heat exchanger comprising a number of multilayered fins, and a refrigerant pipe arranged in the meandering form in the fins, and an air conditioner having the heat exchanger, each of the fins has a corrugated portion formed in an air-flow direction thereon, which has at least two wavelike portions for producing a turbulent flow of air having such strength that a temperature boundary layer of the air is broken, but resistance against to the air flow is not excessively high. Each wavelike portion may be designed to have a triangular section or a trapezoidal section, and a flat portion may be disposed between the wavelike portions.