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Abstract

The present invention relates to an air conditioning system provided with an outdoor unit having a compressor and an outdoor heat exchanger, an indoor unit having an indoor heat exchanger, and a gaseous refrigerant pipe connecting the indoor heat exchanger to the compressor. The present invention serves to make it possible to run such an air conditioning system in cooling mode continuously even when the outside air temperature is low by preventing the indoor heat exchanger from freezing. The air conditioning system (1) is provided with one air-cooled outdoor unit (2) and a plurality of indoor units (3, 4, 5) connected in parallel to the outdoor unit (2). The indoor heat exchangers (23, 24, 25) and the compressor (11) are connected together by the gaseous refrigerant pipe (17). A pressure adjusting device (6) is installed in the gaseous refrigerant pipe (17). The pressure adjusting device (6) is a single integral unit equipped with a pressure detecting means (61), an electric powered expansion valve (62), and an opening adjusting means (63) and functions to adjust the pressure in the indoor heat exchanger (23) to a higher pressure than the pressure in the indoor heat exchangers (24, 25) of the other indoor units (4, 5).



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