

HOT WATER SUPPLY APPARATUS

ABSTRACT

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A hot water supply apparatus includes a heat pump unit that includes a compressor, a water heat exchanger, a pressure reducing device, and an air heat exchanger and that is configured to heat water flowing through the water heat exchanger, a compressor control unit configured to control an operating frequency of the compressor, and a pressure reducing device control unit configured to control an opening degree of the pressure reducing device. Upon start of a defrosting operation in which the pressure reducing device is opened, supply of the water to the water heat exchanger is stopped, and refrigerant discharged from the compressor is caused to flow into the air heat exchanger, at least one of the operating frequency of the compressor and the opening degree of the pressure reducing device is controlled by the compressor control unit or the pressure reducing device control unit, thereby reducing flow speed of the refrigerant flowing into the pressure reducing device.

Fig.1

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