

ABSTRACT OF THE DISCLOSURE



G00001

COMPRESSION CHILLER

A heat exchanger (2) is disposed in series between the compressor (1) and the condenser (3). The heat exchanger (2) is provided with a heat storage tank (2a) to temporarily store the unstable waste heat energy and with piping to store the waste heat energy from the high temperature coolant which has passed the compressor (1). Preferably, it is further provided with a three-way valve (6) so as to prevent the coolant from flowing to the heat exchanger (2) on the side of the heat storage tank (2a) corresponding to the present temperature. The temperature sensor (10) between the three-way valve (6) and the condenser (3) is, when the coolant temperature reaches a certain temperature, utilized for forcible turning on/off of the fan (3a) on the condenser (3) or for strength control of the air blow function step by step or proportionally corresponding to the temperature.

Figure 2.



162162