

ABSTRACT

There is provided a heat source system 100 including:
a cooling water system configured to circulate cooling
water cooled by a cooling tower 1; a cold water system
5 configured to circulate cold water for cooling a load 3; a
high temperature side chiller 2a and a low temperature side
chiller 2b which are arranged in series to the cold water
system and which cools the cold water; control device 71
that controls a cooling fan 6 disposed in the cooling tower
10 1, a high temperature side cooling water pump 4a, a low
temperature side cooling water pump 4b, and a cold water
pump 5; and a thermal storage unit configured to store cold
water and to provide the cold water to the load 3. The
control device 71 sets a desired control value of the
15 object to be controlled such that an evaluation function
indicating energy consumption becomes minimum in accordance
with change of at least one of outside air condition,
storage of heat of a thermal storage tank 8, a requirement
load of the load 3.