

ABSTRACT

A dehumidifier comprising a controller (32) which calculates the quantity of intake air load to be supplied to a secondary side on the basis of the differential pressure of a differential pressure gauge (28) and controls the rotational speed of a
5 absorption rotor (12) which is rotated by a motor (20), and a temperature and humidity sensor (26) which detects the absolute temperature of the processed air at a position before the processed air passes through a processing area (36) of the
10 absorption rotor (12); the quantity of recycled air is calculated on the basis of the absolute temperature of the processed air detected by the temperature and humidity sensor (26), the quantity of intake air calculated by the controller (32), and a pre-set value for the dew point of the supplied air,
15 and, on the basis of the calculation result, the quantity of recycled air is controlled by the controller (32).