

[ABSTRACT]

An air conditioning system (10A) includes: a rotor (1) that includes a processing zone (2) allowing an absorbent including an amine-carrying solid absorbent to absorb carbon dioxide and a regeneration zone (4) allowing carbon dioxide absorbed by the absorbent to be desorbed to regeneration air; a first processing air supply part (14) that is configured to supply air in a room (R) as processing air to the processing zone (2); a second processing air supply part (24) that is configured to supply the processing air passing through the processing zone to the room (R); and a regeneration air supply part (20) that is configured to supply outdoor air as the regeneration air to the regeneration zone. An enthalpy difference between the processing air supplied to the processing zone and the regeneration air supplied to the regeneration zone is equal to or greater than 30 kJ/kg (DA).