for an air conditioner in PTL 1, layout, furniture arrangement, the installation place of the indoor unit for an air conditioner, and the like are limited.

[0005]

Embodiments of the present disclosure make it possible to cool and heat the body of a user immediately while suppressing a draft feeling.

Solution to Problem

[0006]

According to an aspect of the present disclosure, there is provided an indoor unit for an air conditioner, the indoor unit being configured to be installed in an air-conditioning target space and to be capable of changing a direction of an airflow that is blown out through a blow-out port. The indoor unit includes a control unit configured to switch between a normal mode and a wide mode, wherein wind-direction regulating plates are configured to extend at least vertically a range that is to be reached by the airflow in the air-conditioning target space in the wide mode compared with the normal mode and the wide mode is configured such that its air conditioning capacity is lower than an air conditioning capacity of the normal mode.

[0007]

In the above aspect, since the air conditioning capacity is lowered in the wide mode compared with the normal mode, it is possible to immediately heat and cool the body of a user with a spread airflow while suppressing a draft feeling by lowering the velocity of wind that hits the user.

[0008]

In an embodiment of the above aspect, the control unit is configured to switch to the normal mode when the wide mode has been continued for a predetermined period or more during cooling.

[0009]

In the above embodiment, it is possible to suppress occurrence of condensation in the indoor unit for an air conditioner during cooling.

[0010]

In an embodiment of the above aspect, the control unit is configured to switch between the normal mode and the wide mode based on presence/absence of a person inside and outside of a range that is to be reached by the airflow of the wide mode in the air-conditioning target space.

[0011]

In the above embodiment, it is possible to perform

appropriate air conditioning on the basis of a presence state of a person in the air-conditioning target space.

[0012]

In an embodiment of the above aspect, the indoor unit further includes a heat exchanger that is configured to exchange heat with air that is taken in from the air-conditioning target space to thereby regulate a temperature of the air, the control unit being configured to cause a temperature of at least a portion of the heat exchanger in the wide mode during cooling to be lower than a dew temperature in the air-conditioning target space.

[0013]

In the above embodiment, it is possible to perform cooling while dehumidifying.

[0014]

In an embodiment of the above aspect, the control unit is configured to vary a blow-out velocity of the airflow in the wide mode.

[0015]

In the above embodiment, it is possible to blow out an airflow similar to a comfortable natural wind.

Brief Description of Drawings

[0016]

CLAIMS

1. An indoor unit for an air conditioner, the indoor unit being configured to be installed in an air-conditioning target space and to be capable of changing a direction of an airflow that is blown out through a blow-out port, the indoor unit comprising:

a control unit configured to switch between a normal mode and a wide mode,

wherein wind-direction regulating plates are configured to extend at least vertically a range that is to be reached by the airflow in the air-conditioning target space in the wide mode compared with the normal mode and the wide mode is configured such that its air conditioning capacity is lower than an air conditioning capacity of the normal mode.

2. The indoor unit for an air conditioner according to claim 1,

wherein the control unit is configured to switch to the normal mode when the wide mode has been continued for a predetermined period or more during cooling.

3. The indoor unit for an air conditioner according to claim 1 or claim 2,

wherein the control unit is configured to switch between the normal mode and the wide mode based on presence/absence of a person inside and outside of a range that is to be reached by the airflow of the wide mode in the air-conditioning target space.

4. The indoor unit for an air conditioner according to any one of claims 1 to 3, the indoor unit further comprising:

a heat exchanger that is configured to exchange heat with air that is taken in from the air-conditioning target space to thereby regulate a temperature of the air,

wherein the control unit is configured to cause a temperature of at least a portion of the heat exchanger in the wide mode during cooling to be lower than a dew temperature in the air-conditioning target space.

5. The indoor unit for an air conditioner according to any one of claims 1 to 4,

wherein the control unit is configured to vary a blow-out velocity of the airflow in the wide mode.