[CLAIMS]

[Claim 1]

A heat pump device, comprising:

a housing accommodating a compressor configured to compress a refrigerant, a first heat exchanger configured to exchange heat between the refrigerant and air, a blower, and a second heat exchanger configured to exchange heat between the refrigerant and a heat medium;

a partition plate configured to partition a space in the housing into a machine compartment in which the compressor is accommodated, and a blower compartment in which the first heat exchanger, the blower, and the second heat exchanger are accommodated; and

an internal heat exchanger accommodated in the machine compartment, the internal heat exchanger exchanging heat between the refrigerant having passed through the first heat exchanger and the refrigerant having passed through the second heat exchanger,

wherein the internal heat exchanger is supported by the partition plate,

wherein the partition plate includes an installation portion protruding with respect to an extending direction of the partition plate, and

the internal heat exchanger is supported by the installation portion,

wherein the installation portion includes a cut and raised portion provided in an intermediate portion of the partition plate, and

the cut and raised portion has a shape that is bent with respect to the extending direction of the partition plate, and

wherein the internal heat exchanger has a centroid portion installed on the installation portion.

[Claim 2]

A heat pump device, comprising:

a housing accommodating a compressor configured to compress a refrigerant, a first heat exchanger configured to exchange heat between the refrigerant and air, a blower, and a second heat exchanger configured to exchange heat between the refrigerant and a heat medium;

a partition plate configured to partition a space in the housing into a machine compartment in which the compressor is accommodated, and a blower compartment in which the first heat exchanger, the blower, and the second heat exchanger are accommodated; and

an internal heat exchanger accommodated in the machine compartment, the internal heat exchanger exchanging heat between the refrigerant having passed through the first heat exchanger and the refrigerant having passed through the second heat exchanger,

wherein the internal heat exchanger is supported by the partition plate,

wherein the partition plate includes an installation portion protruding with respect to an extending direction of the partition plate, and

the internal heat exchanger is supported by the installation portion,

wherein the installation portion includes a drawn portion provided in an intermediate portion of the partition plate, and

the drawn portion has a shape that is drawn with respect to the extending direction of the partition plate, and

wherein the internal heat exchanger has a centroid portion installed on the installation portion.

[Claim 3]

The heat pump device according to claim 1 or 2, wherein the installation portion has a shape that is bent at a lower end portion of the partition plate with respect to the extending direction of the partition plate.

[Claim 4]

The heat pump device according to claim 3, wherein the internal heat exchanger has a lower end portion installed on the installation portion.

[Claim 5]

The heat pump device according to claim 1, further comprising a cover member configured to close a hole portion formed in the intermediate portion of the partition plate.

[Claim 6]

The heat pump device according to any one of claims 1 to 5, wherein:

the installation portion includes an installation surface formed of a horizontal surface; and

the internal heat exchanger is supported by the installation surface.