CLAIMS

1. An indoor unit (1) for an air conditioner comprising:

a fan (30) configured to blow air toward the front direction of the indoor unit (1);

a heat exchanger (40) configured to exchange heat between refrigerant and air blown from the fan (30);

a casing (10) configured to house the fan (30) and the heat exchanger (40);

a partition wall (26) configured to be disposed in a space inside of the casing (10) between a fan storage area (20) for storing the fan (30) and a heat exchanger storage area (22) for storing the heat exchanger (40);

a pair of connection pipes (52,54) including one connection pipe configured for liquid refrigerant to flow and the other connection pipe configured for gas refrigerant to flow, and for each of which to connect to the heat exchanger (40), to extend in right and left directions of the indoor unit (1), and having connection parts (56) at both ends;

a connection pipe storage member (60) which is formed by a first wall surface member (62) on a fan (30) side and a second wall surface member (64) on a heat exchanger (40) side, in which a connection pipe storage area (24) is formed between the fan storage area (20) and the heat exchanger storage area (22), wherein the connection pipe storage area (24) is configured to house the pair of the connection pipes (52,54);

wherein the partition wall (26) is configured to be positioned above the connection pipe storage area (24);

wherein the indoor unit (1) is configured for the first wall surface member (62) on the fan (30) to be formed along the outer shape of the fan (30) side and the second wall surface member (64) on the heat exchanger (40) side to be formed along the outer shape of the heat exchanger (40); and

for the first wall surface member (62) and the second wall surface member (64) to be connected to or supported by the partition wall (26).

2. The indoor unit (1) according to claim 1,

wherein the casing has a single connection pipe opening (14) on each of a pair of opposite side surfaces in a longitudinal direction of the casing (10)

and configured for two connection pipes (52,54) to extend through the single connection pipe openings (14) on both of the opposite side surfaces to the outside of the casing, and for

seals (70a,70b) to be attached around respective ones of the two connection pipes (52,54) on an inner side of the casing so as to hermetically close each of the single connection pipe openings (14), and

for a pair of connection parts (56) to be provided at both ends of each of the two connection pipes (52, 54).

3. The indoor unit (1) for the air conditioner of claim 1 or claim 2, wherein an outer periphery of a cross section of the connection pipe storage member (60) in front and rear direction of the indoor unit (1) comprises the first wall surface member (62) and the second wall surface member (64).

4. The indoor unit (1) for the air conditioner of claim 3, configured for a fan discharge port (36) of the fan (30) to penetrate the partition wall (26).

5. The indoor unit (1) according to claim 1, configured for the connection pipe storage member (60) to be formed longitudinally and opened in right and left ends (14) and for seals (70a,70b) to be fitted in the right and left ends and attached around the connection pipes (52,54) to hermetically close the left and right ends (14).