CLAIMS

1. An indoor air-conditioning unit (100) comprising:

a chassis body (102) having a front portion (136), a back portion (138), a top portion (140), a bottom portion (142) and plurality of side portions (144),

wherein the chassis body (102) includes:

a heat exchanger unit (112) comprising a front heat exchanger (114) and a rear heat exchanger (116);

at least one vane (118) at the upper side of the front portion (136);

a first air guider (120) and a second guider (122); and

a cross flow fan (124);

characterized in that the bottom portion (142) comprises a first suction inlet (104) having a plurality of louvers (106) tilted towards the front portion (136) and angled upwards from the chassis body (102).

2. The indoor air-conditioning unit (100) of claim 1 wherein the plurality of louvers (106) of the first suction inlet (104) functions in form of a primary air suction inlet.

3. The indoor air-conditioning unit (100) of claim 1 wherein the plurality of louvers (106) are arranged in an overlapping manner.

4. The indoor air-conditioning unit (100) of claim 1 wherein the front portion (136) of the chassis body (102) comprises a second suction inlet (108) horizontally positioned above the first suction inlet (104) near a bottom edge of the front portion (136).

5. The indoor air-conditioning unit (100) of claim 4 wherein the second suction inlet (108) at the front portion (136) is provided with an adjustable front louver (126),

wherein the adjustable front louver (126) of the second suction inlet (108) has a curved shape.

6. The indoor air-conditioning unit (100) of claim 1 wherein the top portion (140) of the chassis body (102) includes a third suction inlet (110).

7. The indoor air-conditioning unit (100) of claim 1 wherein the chassis body (102) includes a fourth air suction inlet (128) provided on the side portions (144).

8. The indoor air-conditioning unit (100) of claim 4 wherein at least one air filter (130) is placed between the first suction inlet (104), the second suction inlet (108), and the heat exchanger unit (112),

wherein the air filter (130) has a curved shape covering the rear heat exchanger (116),

wherein the curved shape of the air filter (130) enlarge an area of the air filter positioned between the first suction inlet (104), the second suction inlet (108) and the heat exchanger unit (112).

9. The indoor air-conditioning unit (100) of claim 1 wherein the vane (118) is horizontally arranged and is adjustable.

10. The indoor air-conditioning unit (100) of claim 1 wherein the first air guider (120) and the second guider (122) have a curved shape.

11. An indoor air-conditioning unit (100) comprising:

a chassis body (102) having a front portion (136), a back portion (138), a top portion (140), a bottom portion (142) and a plurality of side portions (144),

wherein the chassis body (102) includes:

a plurality of air suction inlets including a second suction inlet (108) provided at the front portion (136);

a third suction inlet (110) provided at the top portion (140); and

an air suction inlet (128) provided on the side portions (144);

a heat exchanger unit (112) comprising a front heat exchanger (114) and a rear heat exchanger (116);

at least one adjustable vane (118) provided on the front portion (136);

a first air guider (120) and a second guider (122) positioned within the chassis body (102); and

a cross flow fan (124) arranged between the front heat exchanger (114) and the rear heat exchanger (116) characterized in that the bottom portion (142) comprises a first suction inlet (104) having a plurality of louvers (106) tilted towards the front portion (136) and angled upwards from the chassis body (102).