ALPICAIR

DC INVERTER DUCT MOUNTED SYSTEMS

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Standard equipment

Option

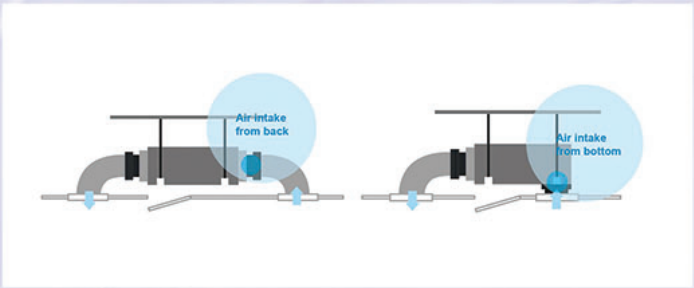
- Turbo mode
- Auto-restart function
- Low ambient cooling
- Night mode
- Timer
- Adjustable static pressure switch

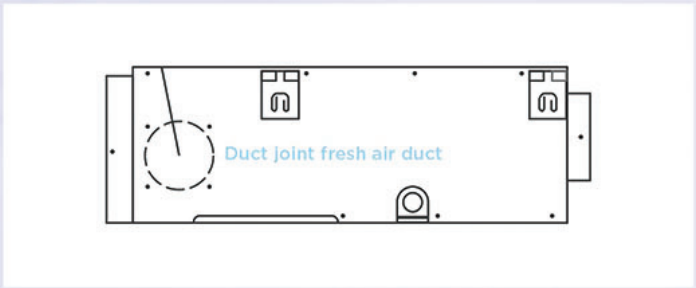
Flexible air intake ways

Air inlet from back standard and from bottom optional. The size of a plate from bottom and flange from back is the same, it's easy for installer to change the air inlet from back to bottom.

Fresh air

Fresh air hole is as standard, it's easy to connect with air from outside. It makes fresh and comfortable feeling.





INDOOR MODEL	ATI-53HPDC1A	ATI-71HPDC1A	ATI-105HPDC3A	ATI-140HPDC3B	ATI-180HPDC3B
OUTDOOR MODEL	AOU-53HPDC1A	AOU-71HPDC1A	AOU-105HPDC3A	AOU-140HPDC3B	AOU-180HPDC3B
Outdoor power supply, V/ph/Hz	230/1/50	230/1/50	380/3/50	380/3/50	380/3/50
Cooling capacity, kW	5,3 (2,1-6,4)	7,0 (2,8-8,5)	10,5 (2,9-12,3)	14,0 (4,0–16,4)	16,0 (4,7–19,3)
Heating capacity, kW	5,3 (2,1-6,4)	7,6 (3,2-9,7)	11,7 (5,0-14,9)	16,1 (4,2–18,5)	18,0 (5,0–21,8)
Power input (cooling), kW	1,6	2,2	3,3	5,7	7,7
Power input (heating), kW	1,5	2,0	2,9	4,9	5,3
Input current (cooling/heating), A	7,5/6,7	10,0/9,0	15,1/13,4	9,2/7,8	12,3/8,5
Efficiency ratio (EER/COP)	3,2/3,6	3,2/3,9	3,2/3,6	2,5/3,3	2,1/3,4
Seasonal efficiency ratio (SEER/SCOP)	5,8/3,4	5,6/3,4	5,1/3,4	6,1/4,0	5,6/4,0
Energy efficiency class (cooling/heating)	A++/A	A++/A	A++/A	A++/A+	A+/A+
Refrigerant	R410A	R410A	R410A	R410A	R410A
Ventilator air flow (Hi/Med/Low), m³/h	950/770/650	1150/1000/850	1150/1000/850	2600/2200/1670	2600/2200/1670
Sound pressure (L_p) (Hi/Med/Low), dB(A)	46/43/40	43/40/37	51/44/38	50/47/44	50/47/45
Net dimensions (W×H×D), mm	920×210×635	920×270×635	1140×270×775	1200×300×865	1200×300×865
Packing dimensions (W×H×D), mm	1135×290×655	1135×350×655	1335×350×795	1405×373×920	1405×373×920
Weight (brutto/neto), kg	27/22	31,5/26,5	42/35	51/43	53/44
Pipe connections (liquid/gas), inch (mm)	1/4 - 1/2 (6,35 - 12,7)	3/8 - 5/8 (9,52 - 15,9)	3/8 - 5/8 (9,52 - 15,9)	3/8 - 5/8 (9,52 - 15,9)	3/8 - 5/8 (9,52 - 15,9)
Pipe connections (indoor condensate), mm	25,0	25,0	25,0	25,0	25,0
Piping distance (horizontal), m	30,0	50,0	65,0	65,0	65,0
Piping distance (vertical), m	20,0	25,0	30,0	30,0	30,0
Electrical connections (power to outdoor), mm²	3 × 2,5	3 × 2,5	5 × 4,0	5 × 4,0	5 × 4,0
Electrical connections (indoor & outdoor signal), mm²	3 × 0,5	3 × 0,5	3 × 0,5	3 × 0,5	3 × 0,5
Electrical connections (power to indoor), mm²	3 × 1,0	3 × 1,0	3 × 1,5	3 × 1,5	3 × 1,5

The data is measured under the following conditions (ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB.
Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
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