



# DYNAMIC INVERTER CONDENSING UNITS



# DC INVERTER CONDENSING UNITS

AlpicAir offer a wide range of condensing units to provide a solution for all applications, both large and small. Wide operation range both in heating and cooling mean the units will work in extreme conditions.

## The advantages:

- Relatively low cost of equipment and installation;
- Low maintenance costs;
- High reliability when properly executed, long life-time



MODEL	AOU-53HPDC1A	AOU-71HPDC1A	AOU-105HPDC3A	AOU-140HPDC3B	AOU-180HPDC3B
Cooling capacity, kW	5,3 (1,6-5,9)	7,0 (1,6-7,9)	10,5 (2,8-13,0)	13,8 (3,5-14,7)	14,9 (4,1-15,5)
Heating capacity, kW	5,3 (1,6-5,9)	7,6 (1,7-8,5)	11,5 (2,7-14,5)	15,5 (4,1-16,1)	18,8 (5,3-20,0)
Max power input, kW	2,2	2,9	5,4	7,2	7,5
Power supply, V/ph/Hz	230/1/50	230/1/50	380/3/50	380/3/50	380/3/50
Max current, A	10,0	13,0	11,0	13,0	15,0
Sound Pressure (L <sub>p</sub> ), dB(A)	60,0	60,0	63,0	63,0	64,0
Sound Power (L <sub>w</sub> ), dB(A)	65,0	69,0	70,0	67,0	68,0
Refrigerant	R410A	R410A	R410A	R410A	R410A
Compressor type	Rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary
Net dimensions (W×H×D), mm	845×700×320	900×860×315	990×965×345	938×1369×392	938×1369×392
Packing dimensions (W×H×D), mm	965×755×395	1045×915×395	1120×1100×435	1095×1505×495	1095×1505×495
Connection holes dimensions (W <sub>i</sub> ×D <sub>i</sub> ), mm	560×355	560×355	624×366	633,5×404	633,5×404
Weight (brutto/neto), kg	50/46	63/59	88/77	118/102	120/107
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)
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
Operating conditions in (cooling), °C	-15 - +50	-15 - +50	-15 - +50	-15 - +50	-15 - +50
Operating conditions in (heating), °C	-15 - +24	-15 - +24	-15 - +24	-15 - +24	-15 - +24

MODEL	AOU-225VRDC3A	AOU-290VRDC3A	AOU-335VRDC3A	AOU-400VRDC3A	AOU-450VRDC3A	AOU-560VRDC3A
Cooling capacity, kW	22,4	28,0	33,5	40,0	45,0	56,0
Heating capacity, kW	25,0	30,0	37,5	45,0	50,0	63,0
Power input (cooling), kW	6,7	8,3	8,4	10,7	12,7	16,0
Power input (heating), kW	6,5	8,2	9,0	11,1	13,0	16,6
Power supply, V/ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Efficiency ratio (EER/COP)	3,3/3,8	3,4/3,7	4,0/4,2	3,8/4,1	3,6/3,9	3,5/3,5
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A
Sound Pressure (L <sub>p</sub> ), dB(A)	60,0	61,0	63,0	63,0	63,0	63,0
Net dimensions (W×H×D), mm	1098×1584×399	1098×1584×399	1340×1605×765	1340×1605×765	1340×1605×765	1340×1740×765
Connection holes dimensions (W <sub>i</sub> ×D <sub>i</sub> ), mm	842×399	842×399	1200×729	1200×729	1200×729	1200×729
Weight (brutto/neto), kg	185/175	195/185	300/285	375/360	375/360	400/385
Pipe connections (liquid/gas), inch (mm)	3/8 - 7/8 (9,52-15,9)	3/8 - 7/8 (9,52 - 22,2)	1/2 - 1 (12,7-25,4)	1/2 - 1 (12,7-25,4)	1/2 - 1 1/8 (12,7-28,6)	5/8 - 1 1/8 (15,9-28,6)
Electrical connections (power), mm <sup>2</sup>	5 × 4,0	5 × 4,0	5 × 6,0	5 × 10,0	5 × 10,0	5 × 10,0
Operating conditions in (cooling), °C	-5 - +52	-5 - +52	-5 - +52	-5 - +52	-5 - +52	-5 - +52
Operating conditions in (heating), °C	-20 - +27	-20 - +27	-20 - +24	-20 - +24	-20 - +24	-20 - +24

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.

V 3.15.0 \* Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. [www.alpicair.com](http://www.alpicair.com)