

—  
COMFORT  
FOR  
YOU

DC INVERTER  
SUPER SLIM  
ROUND FLOW  
CASSETTE

  
ALPICAIR

# DC INVERTER ROUND FLOW CASSETTE



Turbo mode



Auto-restart function



Low ambient cooling



360° air flow



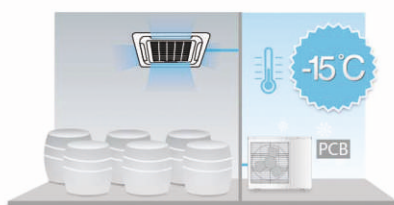
Timer



Louver position memory

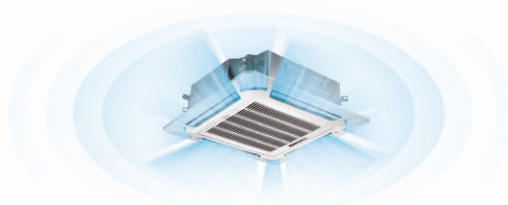
## Low ambient cooling

With built-in low ambient kit or special designed PCB, outdoor fan speed can be changed automatically according to condenser temperature, even when the temperature is down to -15°C.



## 360° air flow panel

With the 360° air flow panel, the air can be distributed to every corner of the room.



INDOOR MODEL	ACI-35HPDC1B	ACI-53HPDC1B	ACI-71HPDC1B	ACI-105HPDC3B	ACI-140HPDC3B	ACI-180HPDC3B
OUTDOOR MODEL	AOU-35HPDC1B	AOU-53HPDC1B	AOU-71HPDC1B	AOU-105HPDC3B	AOU-140HPDC3B	AOU-180HPDC3B
Outdoor power supply, V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling capacity, kW	3,5 (0,6-4,4)	5,3 (0,8-6,2)	7,0 (1,2-8,2)	10,6 (2,9-12,0)	13,8 (4,0-16,1)	16,1 (5,0-18,5)
Heating capacity, kW	4,1 (0,6-5,1)	5,7 (0,9-7,0)	7,0 (1,2-8,7)	11,1 (2,6-13,2)	15,5 (4,2-17,6)	18,2 (5,3-20,5)
Power input (cooling/heating), kW	1,0/1,0	1,7/1,5	2,2/1,9	4,1/3,1	5,2/4,6	6,4/5,7
Efficiency ratio (EER/COP)	3,7/4,1	3,1/3,9	3,2/3,7	2,6/3,6	2,7/3,4	2,5/3,2
Seasonal efficiency ratio (SEER/SCOP)	6,1/4,0	6,3/4,0	6,1/4,0	6,1/4,0	5,6/4,0	5,6/4,0
Energy efficiency class (cooling/heating)	A++/A+	A++/A+	A++/A+	A++/A+	A+/A+	A+/A+
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A
Indoor unit air flow volume, m <sup>3</sup> /h	650/530/450	1000/800/700	1450/1250/1100	1900/1750/1460	1850/1600/1400	1900/1650/1450
Indoor unit sound pressure (L <sub>p</sub> ), dB(A)	42/38/34	46/41/37	46/42/39	53/50/47	55/51/48	52/49/46
Outdoor unit sound power (L <sub>w</sub> ), dB(A)	60	64	65	67	72	75
Cassette body dimensions, mm	570×260×570	840×205×840	840×245×840	840×245×840	840×287×840	840×287×840
Cassette panel dimensions, mm	647×50×647	950×55×950	950×55×950	950×55×950	950×55×950	950×55×950
Outdoor unit dimensions, mm	800×554×333	800×554×333	845×702×363	946×810×410	952×1333×410	952×1333×410
Cassette body weight (brutto/neto), kg	18,6/16	25/21,3	28/24	29,6/25,6	32,1/28	32,8/28,7
Panel body weight (brutto/neto), kg	4,5/2,5	8/5	8/5	8/5	8/5	8/5
Outdoor unit weight (brutto/neto), kg	37,3/34,5	38,4/35,5	51,5/49	86,9/81,0	121,2/108,1	126/112,8
Maximum refrigerant pipe length/height difference, m	25/10	30/20	50/25	65/30	65/30	65/30
Pipe connections (liquid/gas), inch	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Operating conditions in cooling mode, °C	-15 - +50	-15 - +50	-15 - +50	-15 - +50	-15 - +50	-15 - +50
Operating conditions in heating mode, °C	-15 - +24	-15 - +24	-15 - +24	-15 - +24	-15 - +24	-15 - +24

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