

DC INVERTER DUCT MOUNTED SYSTEMS

PRO III SERIES

COMFORT FOR YOU

ALPICAIR

DYNAMIC INVERTER
DUCT MOUNTED SYSTEMS
PRO III SERIES





Standard equipment



Option

Turbo mode

Auto-restart function

Low ambient cooling

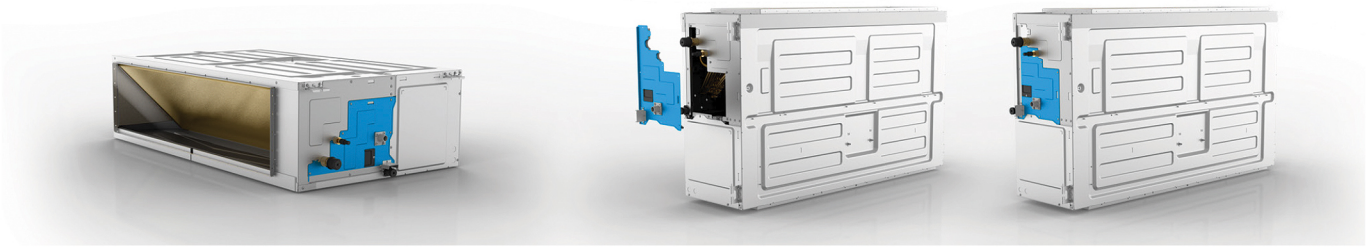
Built-in drain pump

Timer

Adjustable static pressure switch

Two-ways of Installation

Two types of installation methods can be selected: ceiling concealed and floor concealed. AlpicAir duct machine does not need to replace the water tray and the water pump is compatible with two installation methods.



Model			ATI/AOU-53HRDC1A	ATI/AOU-71HRDC1C	ATI/AOU-105HRDC3A	ATI/AOU-140HRDC3C	ATI/AOU-180HRDC3C
Capacity	Cooling	kW	5,28 (1,32 - 6,16)	7,09 (3,23 - 7,92)	10,55 (2,726 - 11,73)	14,07 (3,52 - 15,83)	15,24 (4,10 - 17,29)
	Heating	kW	6,01 (1,50 - 6,31)	8,0 (2,79 - 8,56)	11,72 (2,78 - 12,84)	16,12 (4,11 - 17,59)	18,18 (4,40 - 20.52)
Power input	Cooling	kW	1,59 (0,36 - 2,13)	2,28 (0,75 - 2,86)	3,90 (0,89 - 4,20)	4,50 (0,81 - 6,45)	5,25 (1,03 - 6,65)
	Heating	kW	1,62 (0,50 - 1,85)	2,00 (0,64 - 2,50)	3,30 (0,78 - 4,00)	4,60 (0,95 - 5,80)	5,15 (0,95 - 6,60)
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Seasonal cooling efficiency (SEER)		-	6.5	6.6	6.1	6.1	6.1
Seasonal heating efficiency (SCOP)		-	4.1	4.2	4.0	4.0	4.0
Energy efficiency class	Cooling/heating		A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Refrigerant			R32 (1150 g)	R32 (1400 g)	R32 (2400 g)	R32 (2900 g)	R32 (3200 g)

Indoor unit model		ATI-53HRDC1C	ATI-71HRDC1C	ATI-105HRDC3C	ATI-140HRDC3C	ATI-180HRDC3C
Ventilator air flow	m^3/h	900/780/650	1200/1000/700	1700/1400/1100	2000/1700/1300	2200/1900/1500
External static pressure	-	25 (0–160)	25 (0–160)	37 (0–160)	50 (0–160)	50 (0–160)
Sound pressure (L_p)	db (A)	36,5/34/31	33,5/32,5/31	40/37/34	43,5/41,5/39,5	44,5/43/41,5
Dimensions	mm	700x245x750	1000x245x750	1200x245x750	1200x245x750	1200x300x750
Weight	kg	24.44	31.8	38.4	40.4	42.9

Outdoor unit model		AOU-53HRDC1A	AOU-71HRDC1C	AOU-105HRDC3A	AOU-140HRDC3C	AOU-180HRDC3C
Sound Pressure (L_p)	db (A)	59.0	60.0	63.0	64.0	65.0
Unit dimensions	mm	805x554x330	890x673x342	946x810x410	980x975x415	980x975x415
Weight	kg	32.5	41.9	75.5	90.0	92.0
Maximum refrigerant pipe length	m	30.0	50.0	75.0	75.0	75.0
Maximum height difference	m	20.0	25.0	30.0	30.0	30.0
Operating conditions in cooling mode	°C	-15 - +50	-15 - +50	-15 - +50	-15 - +50	-15 - +50
Operating conditions in heating mode	°C	-20 - +24	-20 - +24	-20 - +24	-20 - +24	-20 - +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.

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