



The new Air Exchanger range as the name suggests works to exchange room air with fresh air by a unique two way Air exchange system. This system incorporates the Hitachi state of the art Nano-Titanium Catalyst which dramatically improves the functions of de-odourisation, bacteria elimination and anti-bacterial measures. With it's minute size – over 1000 times smaller than an ordinary bacteria agent, it catches the smallest microbes that other filters might miss.

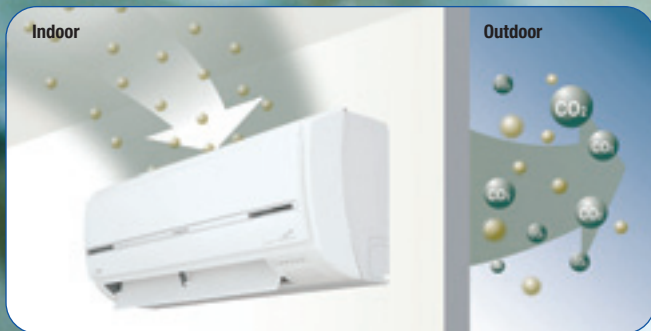
As with all our room air conditioning units, the R410a refrigerant is used and the Air Exchanger range utilises the Hitachi twin rotary compressor.



The product features are:

- Two way Air Exchange
- Self clean function – ensuring constant clean air
- Hitachi DC Inverter PAM (Power Active Module) control system
- Highest COP of this class- a major step forward in efficiency and performance
- Ultra quiet
- Heating available even at -15°C ambient temperature
- Auto restart from previous mode after power-off
- Auto changeover – continuously selects the best operating mode
- Nano Titanium filter and washable carbon and anti-bacteria air purifying filter
- 24hr remote control timer
- R410a refrigerant
- Simple installation – A ventilation accessory kit included

Air Exchanger



Air Exchanger – JX5 Technical Description

General Data

Model	Indoor Outdoor	RAS-25JX5 RAC-25JX5	RAS-35JX5 RAC-35JX5
Power Supply		AC 1Ph 220-230V 50Hz	
Nominal Cooling Capacity (min-max)	kW	2.5(0.9- 3.1)	3.5(0.9- 4.0)
Nominal Heating Capacity (min-max)	kW	3.4(0.9- 4.4)	4.2(0.9- 5.0)
Total Input			
Cooling	W	580(155-1160)	990(155-1380)
Heating	W	795(115-1170)	1040(115-1350)
Total Current			
Cooling	A	3.11-2.97	4.74-4.54
Heating	A	4.02-3.85	4.98-4.76
EER/COP			
Cooling		4.31	3.54
Heating		4.28	4.04
Sound Pressure Level (Overall scale)			
Cooling	dBA	39/34/28/22	43/37/32/25
Heating	dBA	42/35/28/22	44/37/32/26
Condenser Sound Pressure Level			
Cooling	dBA	45	47
Heating	dBA	47	47
Indoor Outer Dimensions (Net/Carton)			
Height	mm	298(284)	298(284)
Width	mm	790(836)	790(836)
Depth	mm	210(352)	210(352)
Net Weight	kg	10(12)	10(12)
Condenser Outer Dimensions (Net/Carton)			
Height	mm	548(591)	548(591)
Width	mm	750(871)	750(871)
Depth	mm	288(377)	288(377)
Net Weight	kg	35(38)	35(38)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410a	R410a
Flow Control		Expansion Valve	Expansion Valve
Compressor			
Type & Quantity		Scroll x1	Scroll x1
Indoor Fan			
Type		DC35V	DC35V
Air Flow Rate Cooling	m³/min	7.8(Hi)	10.0(Hi)
Air Flow Rate Heating	m³/min	9.8(Hi)	11.0(Hi)
Condenser Fan			
Type		DC350V	DC350V
Air Flow Rate Cooling /Heating	m³/min	31/27	32/28
Refrigerant Piping		Flair Nut/Flange Connection	
Liquid Line	mm(in.)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm(in.)	9.52 (3/8)	9.52 (3/8)
Pipe Run			
Max Pipe Length	m	20	20
(Chargeless)	m	20	20
Individual Pipe Length	m	-	-
Max Pipe Lift	m	10	10
Connection Wires	pcs	3	3
Starting Current	A	4.1-3.9	5.3-5.0
Recommended Fuse Size	A	16	16
Auto Restart by Previous Mode		Yes	Yes
Auto Changeover		Yes	Yes
LED Self Diagnosis		Yes	Yes
Air Purifying Filter Type		SPX-CFH15 and SPX-NFH1	SPX-CFH15 and SPX-NFH1
Remote Control Timer	Hr	24	24
Pipe Cover Type		HC-DS5	HC-DS5

NOTES:

Cooling Operation Conditions

Indoor Air Inlet Temperature: 27 °C DB/19 °C WB
Outdoor Air Inlet Temperature: 35 °C DB

Heating Operation Conditions

Indoor Air Inlet Temperature: 20 °C DB
Outdoor Air Inlet Temperature: 7 °C DB/6 °C WB

Sound Pressure Level Measurement Distance:

1m from discharge grille. 0.8m beneath the unit's height centre
1m from suction/discharge grille. Approx. 1m from floor level

Piping Length: 7.5 meters/**Piping Lift:** 0 meters

Remote Control

The Air Exchanger range comes with a new remote control handset with all the functionality in a new chic design. All the new Air exchanger functions and operating modes are easily selected from the controller.



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