

Deluxe Inverter

SD DX

Air Sleep
STAINLESS PRE FILTER
VECTOR DC INVERTER



RAS-SD10CD / RAS-SD13CD



RAS-DX18CF / RAS-DX24CF



RAS-SD10CD / RAS-SD13CD
RAS-DX18CF / RAS-DX24CF

Specification

Model	Indoor		RAS-SD10CD	RAS-SD13CD	RAS-DX18CF	RAS-DX24CF	
	Outdoor		RAC-SX10CD	RAC-SX13CD	RAC-DX18CF	RAC-DX24CF	
Phase, Frequency, Voltage	φ, Hz, V		1φ 50Hz, 220-230V				
Cooling Capacity	kW		2.85(0.9-3.4)	3.7(0.9-4.2)	5.2(0.9-5.4)	6.5(1.5-8.0)	
	BTU/h		9,730(3,070-11,500)	12,640(3,070-14,330)	17,740(3,070-18,430)	22,160(5,117-27,299)	
EER	BTU/h-W		13.10	12.15	11.20	11.35	
Total Input	W		740(210-1,190)	1,040(330-1,280)	1,580(335-2,200)	1,960(200-2,820)	
Total Amperes	A		4.32-4.13	5.91-5.65	8.95-8.55	9.00-8.60	
Airflow (HH/H/M/L/Silent)	m ³ /min		12.0/11.0/9.0/8.0/3.5	12.0/11.0/9.5/7.5/3.5	15.0/14.5/13.0/9.0/6.5	15.5/15.0/13.5/10.0/7.0	
Indoor Sound Level (HH/H/M/L/(Ss))	dB		44/42/37/32/19(19)	48/47/40/33/19(19)	48/47/41/32/26(-)	49/48/41/34/28(-)	
Dehumidifying Capacity	L/h		1.4	1.6	2.8	4.5	
Maximum Length/Height of Piping	m		20/10	20/10	20/10	30/20	
Diameter for Pipe - Gas/Liquid	mm		9.52/6.35	9.52/6.35	12.70/6.35	15.88/9.35	
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	
Net Dimensions	Indoor (W×H×D)		mm	790x300x230	790x300x230	900x300x230	900x300x230
	Outdoor (W×H×D)		mm	700x468x258	700x468x258	750x570x280	850x800x298
Net Weight	Indoor/Outdoor		kg	9/23	10/24	10/37	10/53
Refrigerant			R410A				

1 On Button

2 Dry Mode

3 Air Sleep Mode

Air Sleep Sensor works to auto select temperature control and silence good for sleep.

4 Powerful Mode

5 Off Button

6 Silent Mode

7 Fan Speed Selector

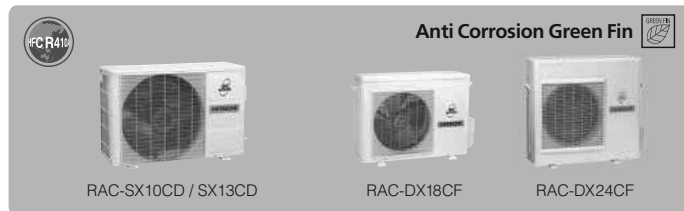
8 Set Temperature Selector

9 Off Timer Button

10 Up/Down Air Flow Direction Selector

11 On Timer Button

Outdoor



RAC-SX10CD / SX13CD

RAC-DX18CF

RAC-DX24CF

Standard Inverter

X



RAS-X10CD / RAS-X13CD



RAS-X10CD(R) / RAS-X13CD(R)



RAS-X18CD



RAS-X24CAT



RAS-X10CD / RAS-X13CD
RAS-X10CD(R) / RAS-X13CD(R)



RAS-X18CD



RAS-X24CAT(M)

Specification

Model	Indoor		RAS-X10CD	RAS-X13CD	RAS-X18CD	RAS-X24CAT	
	Outdoor		RAC-SX10CD	RAC-SX13CD	RAC-X18CD	RAC-X24CAT	
Phase, Frequency, Voltage	φ, Hz, V		1φ, 50Hz, 220-230V			1φ, 50Hz, 220-240V	
Cooling Capacity	kW		2.85 (0.9-3.4)	3.7 (0.9-4.2)	5.2 (0.9-5.4)	7.0 (1.5-8.0)	
	BTU/h		9,730 (3,070-11,500)	12,640 (3,070-14,330)	17,740 (3,070-18,430)	23,900 (5,120-27,315)	
EER	BTU/h-W		13.10	12.15	11.20	11.66	
Total Input	W		740 (210-1,190)	1,040 (330-1,280)	1,580 (355-2,200)	2,050 (200-2,820)	
Total Amperes	A		4.32-4.13	5.91-5.65	8.95-8.55	9.4	
Airflow (HH/H/M/L/Silent)	m ³ /min		12/11/9.0/8.0/3.5	12.0/11.0/9.5/7.5/3.5	-/13.0/12.0/8.0/-	-/17/14.5/10/8.5	
Sound Level (HH/H/M/L/S/Ss)	Indoor		dB	44/42/37/32/19(19)	48/47/40/33/19(19)	-/47/41/32/-/26	-/47/42/33/-/30
	Outdoor		dB	50	50	51	52
Dehumidifying Capacity	L/h		1.4	1.6	2.8	4.5	
Maximum Length/Height of Piping	m		20/10	20/10	20/10	30/20	
Diameter for Pipe - Gas/Liquid	mm		6.35/9.52	6.35/9.52	6.35/12.7	6.35/15.88	
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	
Net Dimensions	Indoor (W×H×D)		mm	790x300x230	790x300x230	900x300x230	1,150x333x245
	Outdoor (W×H×D)		mm	700x468x258	700x468x258	750x570x280	850x800x298
Net Weight	Indoor (W×H×D)		kg	9	10	10	15
Net Weight	Outdoor (W×H×D)		kg	23	24	38	55
Refrigerant			R410A				

1 On Button

2 Dry Mode

3 Circulation Mode

4 Left/Right Air Flow Control

5 Off Button

6 Powerful Mode

7 Silent Mode

8 Sleep Mode

9 Fan Speed Selector

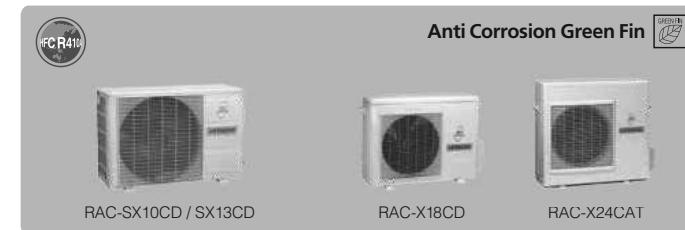
10 Up/Down Air Flow Direction Selector

11 Set Temperature Selector

12 On Timer Button

13 Off Timer Button

Outdoor



RAC-SX10CD / SX13CD

RAC-X18CD

RAC-X24CAT

Features Comparison

	VECTOR DC INVERTER						NON-INVERTER				WINDOW	
	Premium Inverter	Deluxe Plus Inverter	Deluxe Inverter		Standard Inverter		Standard				Standard	
	RAS-W10CQ RAS-W13CQ RAS-VX10CQR RAS-VX13CQR	RAS-SX19CQ RAS-SX13CQ	RAS-SD10CQ RAS-SD13CQ	RAS-DX18CF RAS-DX24CF	RAS-X10CQ RAS-X13CQ RAS-X10CQR RAS-X13CQR	RAS-N19CQ RAS-X24CAT	RAS-F10CG1	RAS-F13CF	RAS-F18CF	RAS-F24CF	RA-19MF RA-13MF	RA-10MF RA-13MDF
Energy Saving	Scene Camera Ceiling	•										
	Air Sleep Ceiling	•										
	Air Sleep Mode	•	•	•	•	•						
	Eco Mode	•										
	Air Sleep + Eco Mode	•										
	Auto Off Mode	•										
	Auto On Mode	•										
	Smart Swing	•										
	Direct/Indirect Swing	•										
Save Mode	•											
Clean	Stainless Clean	•	•									
	UV Fresh	•	•	•	•	•						
	Nano Titanium Stainless Pre-Filter	•	•	•	•	•	•	•				
	Nano Titanium/Normal* Pre Filter						•	•	•	•	•	•
	Nano Titanium WASABI Air Purifying Filter	•	•	•	•	•	•	•	•	•	•	•
	Washable Detachable Front Panel	•	•	•	•	•	•	•	•	•	•	•
	Washable Front Cover						•					
Comfort	Welcome Breeze	•										
	Refresh Mode	•										
	One-Touch Powerful Mode	•	•	•	•	•						
	One-Touch Silent Mode (19dB)	•	•	•		•	•	•				
	One-Touch Silent Mode				•	•						
	Fuzzy Logic Control	•	•	•	•	•	•	•	•	•	•	•
	Sleep Mode						•	•	•	•	•	•
	Sensor Dry Operation	•	•	•	•	•	•	•	•	•	•	•
	Up-Down Auto Swing	•	•	•	•	•	•	•	•	•	•	•
	Left-Right Auto Swing										•	•
	Fan Speed	4 Grades	4 Grades	4 Grades	4 Grades	4 Grades	4 Grades	3 Grades	3 Grades	3 Grades	3 Grades	3 Grades
	Seamless Fan Speed Control	•	•	•	•	•	•					
	Air Exhaust System										•	•
Easy-to-Use Remote Control	•	•	•	•	•	•	•	•	•	•	•	
12h Timer	•	•	•	•	•	•	•	•	•	•	•	
Reliability	Vector DC Inverter	•	•	•	•	•	•	•	•	•	•	•
	DC Power System	•	•	•	•	•	•	•	•	•	•	•
	Auto Restart	•	•	•	•	•	•	•	•	•	•	•
	Fireproof Electrical Enclosure	•	•	•	•	•	•	•	•	•	•	•
	Green/Clear* Fin Anti-Corrosion	•	•	•	•	•	•	•	•	•	•	•
	Antirust Outdoor Casing	•	•	•	•	•	•	•	•	•	•	•
	3-Minute Delay Circuit (Fuse Blow Prevention)	•	•	•	•	•	•	•	•	•	•	•
	Twin Rotary Compressor				•							
	Changeable Drain Hose	•	•	•	•	•	•	•	•	•	•	•
	Drainless Splash System										•	•
Twin Turbo Fan										•	•	

Features Introduction

Scene Camera Ceiling

Consists of single Thermo Camera, Image Camera and human sensor that monitors heat distribution, human activity level and location to auto-adjust cooling operation.

Air Sleep Mode

Monitors your sleep conditions and auto-adjust to super silent operation and maintains the optimum room temperature for a good sleep. It returns to the normal cooling mode when the sensor detects your awakening.

Air Sleep Ceiling

On top of controlling silent operation and optimum room temperature by Air Sleep mode, it will auto select Ceiling Flow or Human Targeted Flow depending on the scenes.

Welcome Breeze

Target cools human with extra cold and powerful air flow for the first 15 min. Auto shift to Heat Source Cooling after 15 min.

Eco Mode

Scene Camera Ceiling smartly monitors human presence, location, activity level, sunlight and temperature to automatically adjust cooling operation for maximum comfort and minimum energy consumption.

Smart Swing

By detecting human presence, individual location, activity level, sunlight and temperature, Scene Camera Ceiling enables smart adjustment of wind direction (left/right, near/far), swing time depending on the scene.

Auto Off Mode

The air conditioner will automatically turn off after 1 hour of human absence detection.

Auto On Mode

The air conditioner will automatically turn on after detecting people in the room.

Direct/Indirect Swing

Direct Swing: Automatically sends cool air to the place where people are.
Indirect Swing: Automatically avoids sending cool air to the place where people are.

Save Mode

Limits maximum current during operation to prevent the circuit breaker from tripping.

Stainless Clean

Stainless steel is applied to air ducts, louvre and pre-filter to realize an antibacterial and dust prevention effect.

UV Fresh

Antibacterial UV LED light is emitted to sterilize bacteria on the air purifying filters.

Nano Titanium Stainless Pre-Filter

Pre-filter with Nano Titanium Stainless coating that sterilize bacteria, deodorizes and enables easy cleaning.

Nano Titanium Pre-Filter

Pre-filter with Nano Titanium coating, which uses a TiO₂ catalyst to provide an antibacterial and deodorizing effect.

Anti-Mold Pre-Filter

Pre-filter with anti-mold effect.

Nano Titanium Wasabi Air Purifying Filter

Air purifying filters are coated with Nano Titanium and wasabi contents to provide an antibacterial, anti-allergen, anti-mold and deodorizing effect.

Washable Detachable Front Panel

Easy-to-detach washable flat front panel for easy cleaning and maintenance.

Refresh Mode

Controls temperature and compressor operation to maximize a chilly feeling and reduce sensual humidity for a refreshing feeling.

Powerful Mode

A single press of the Powerful Mode button starts powerful cooling operation with maximum cooling power and fan speed.

Silent Mode

A single press of the Silent Mode button starts quiet operation.

Fuzzy Logic Control

The built-in microcomputer measures and records room size together with previous and current conditions and sets the advanced activation timer to provide optimum temperature.

Sleep Mode

Off timer useful when you would like the air conditioner to switch off after a certain amount of time during sleep.

Sensor Dry Operation

Decreases room humidity by softly cooling the room.

Up-Down Auto Swing

Wind direction is automatically directed up and down to deliver cool air evenly.

Left-Right Auto Swing

Wind direction is automatically directed left to right to deliver cool air evenly.

Seamless Fan Speed Control

The four fan speed levels (Powerful, High, Medium, Low) switch extremely smoothly for seamless non-step fan speed control.

12h/24h Timer

Timer setting that automatically turns off operation after a selected number of hours.

Air Exhaust System

Allows ventilation of the room.

Vector DC Inverter

Uses a special microcomputer pre-installed with the compressor's mechanical properties data to monitor and adjust compressor rotation speed at all times for efficient, powerful, stable operation.

DC Power System

Uses DC indoor motors that are efficient, quiet and safe during maintenance.

Auto Restart

Restarts the air conditioner at the previous setting after a power failure.

Fireproof Electrical Enclosure

Electrical parts of indoor and outdoor units are tightly enclosed in a 100% metal box to ensure there is virtually no possibility of fire spreading.

Anti-Corrosion Green Fin

Anti-corrosion green coating on the outdoor unit heat exchanger.

Antirust Outdoor Unit

Constructed of galvanized sheet complete with baked synthetic resin type paint that can withstand rust and harsh weather conditions.

3-Minute Delay Circuit

Ensures there's no danger of the fuse blowing or damage to parts if operation is restarted accidentally.

Twin Rotary Compressor

Twin rotating cylinders assure better balanced rotation for less vibration and quieter operation.

Changeable Drain Hose

Drain hose connection is easily interchangeable to either the left or right of the indoor unit.

Drainless Splash System

Condensation from the evaporator is splashed back onto the condenser surface for better cooling efficiency without the need for a drain.

Twin Turbo Fan

Enables powerful airflow with low noise.