



# The All-New Carrier Inverter Cassette Air Conditioner

Where Innovation Meets Elegance.





## Introducing The Carrier Inverter Cassette

Perfected for all light commercial requirements.

The all-new Inverter 4-Way Cassette, engineered with reduced refrigerant volume, is the latest innovation in sustainable cooling from the House of Experts. Designed to seamlessly cater to the dynamic requirements of light commercial spaces, it offers uninterrupted cooling performance, high energy efficiency and hassle-free installation. This compact unit is perfect for small spaces like retail stores, offices and hotels.

The new Honeycomb structure inlet grill design ensures uniform air distribution while providing robust structure along with being lightweight.



## Key Features

 **Environment-friendly cooling** with R32 refrigerant

 **Convenient installation** with lightweight condensing unit

 **High energy efficiency** with ISEER values up to 4.32\*

 **Elevated aesthetics** with distinctive Honeycomb design

 **Wide-ranging capacities** from 2 to 6 HP

 **Reliability and durability** with protective components

## Environment-Friendly R32 To Reduce GWP

Towards A  
Sustainable Future

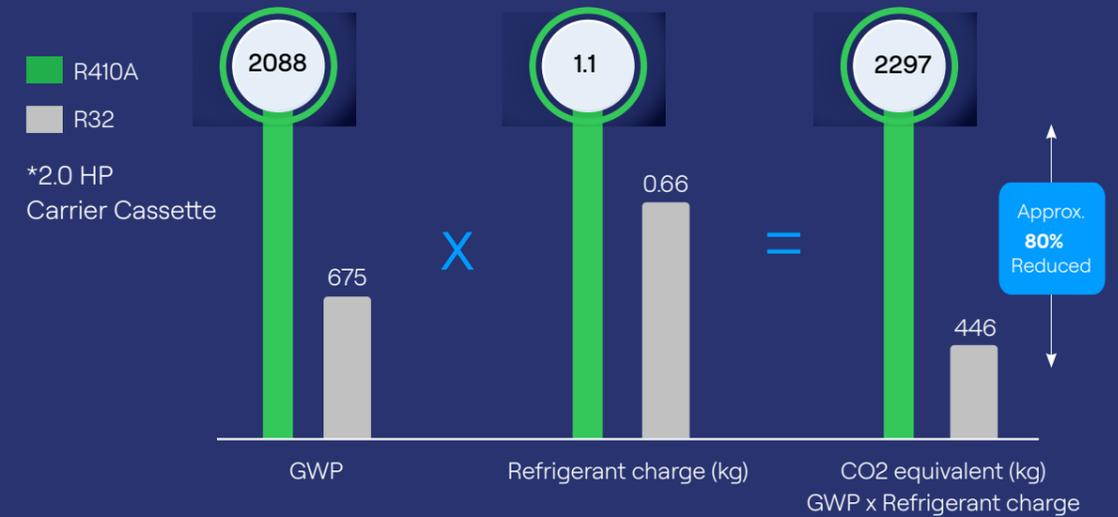


Around  
**1/3**

ODP	0.00	0.00	0.00
	R410A (HFC)	R32 (HFC)	CO2

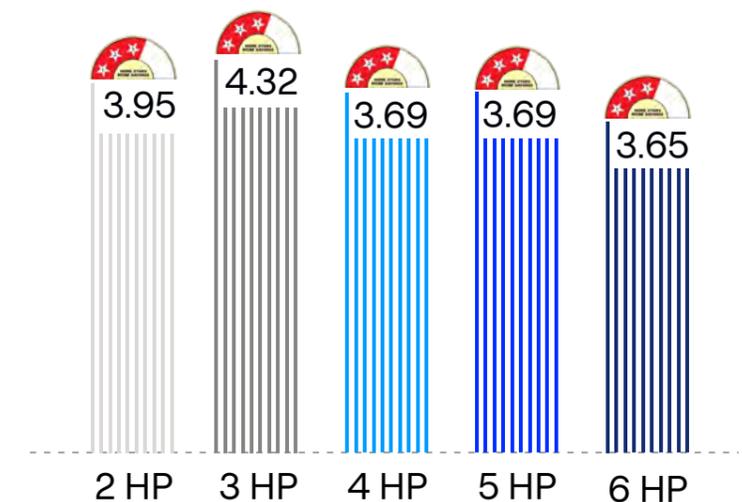
Lower GWP refrigerant means that the product will have a much lower impact on the climate.

Low GWP R32 refrigerant, combined with 40% reduction of refrigerant charge, allows to reduce the total equivalent CO2 by 80% of the system.\*



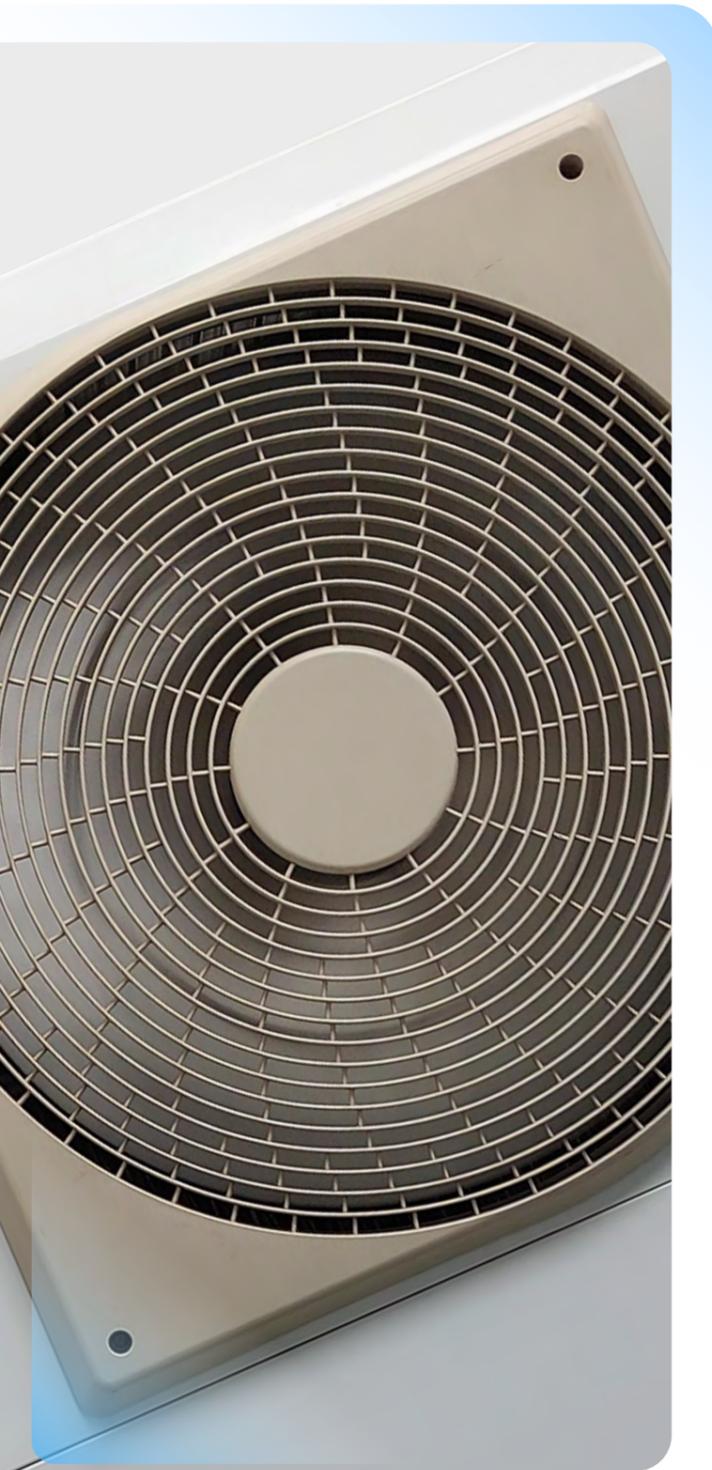
## High Energy Performance

Carrier Cassette's low power consumption gives it a high ISEER value, thus facilitating energy-optimal performance.



# Compact and installer-friendly CDU

Compact size and light weight.



2 HP- 561x825x353 mm



3 HP- 691x975x353 mm



4 HP to 6 HP- 820x904x325 mm

Less than 900mm up to 6 HP, the cassette is extremely compact and can be installed in very small places. In addition, even the largest chassis of 6HP is under 54 kgs.

The all new Carrier Cassette comes with Copper tubes and AL fins to increase machine longevity.



## Installer-friendly



The outdoor unit is easy to install on the wall via racks.



It is possible to reuse the pipe as the working pressure for R410A and R32 are similar.



Easy to carry and transport.



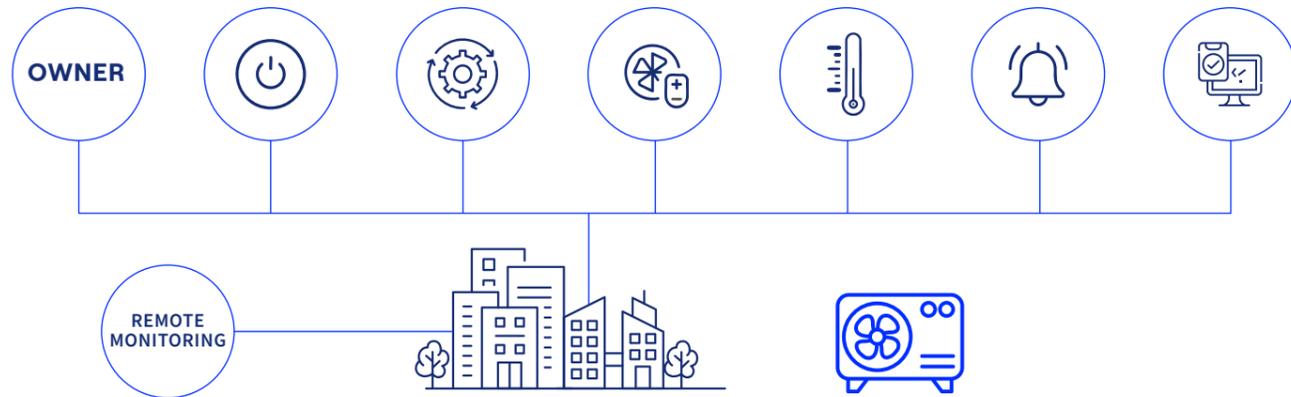
Upgrade your fixed speed machine with Inverter models by retrofit as pipe size remains the same.

\*Not applicable on 3HP model\*

# IDU Designed For Maximum Comfort

## BMS Compatibility

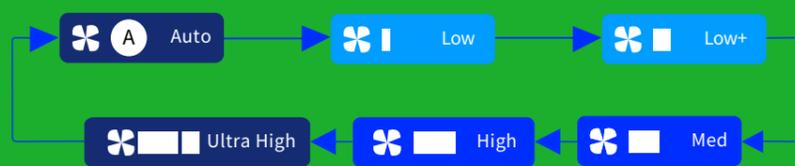
Easy and Efficient Operation



Building Management Systems get integrated control through the RS485 communication port.

# Higher Accuracy of Adjustment of the Indoor Airflow

Through a 5-step airflow, the Carrier Cassette can control the wind strength with higher accuracy.\*



\*This function is available with a wireless remote controller named - MK-CT-01

# Auto-Restart Function

For stable operation in areas with unstable electricity, Carrier Cassette has a standard auto-restart function for seamless continuity in blackout situations.



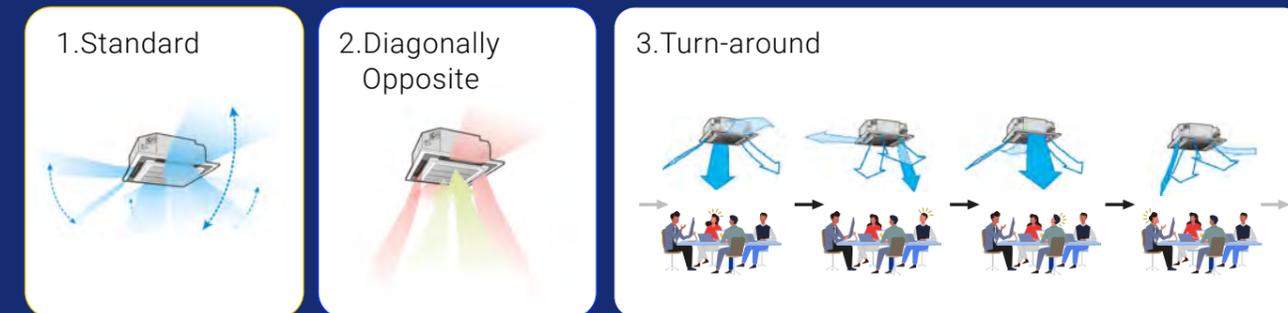
# 4-Way Cassette

The 4-way cassette is designed to provide uniform air distribution and total comfort. It is the ideal solution for light commercial applications.

## Comfort

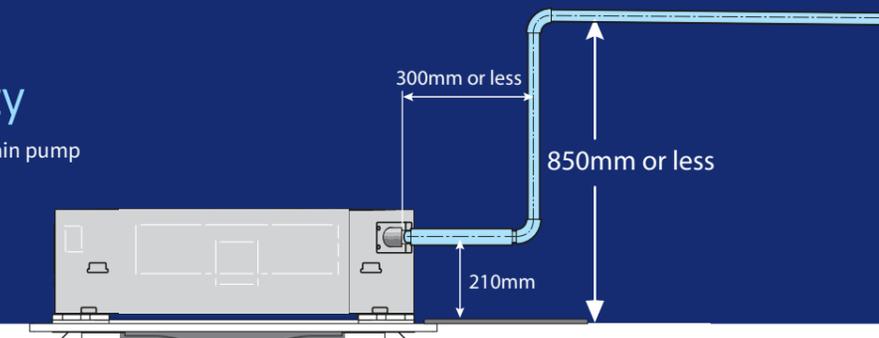
The angles of each louver can be set individually.

Individual setting of louver position: 3 different swing modes



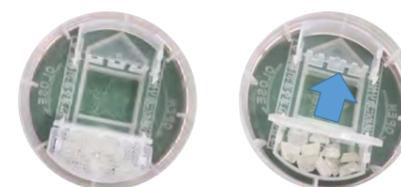
## Flexibility

Built-in high-lift drain pump



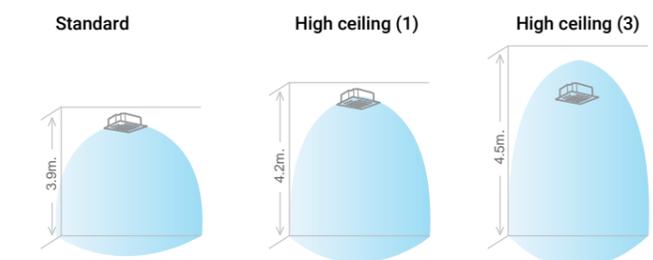
## Cleanliness

Built-in silver glass (anti-bacteria treatment) on the drain pump lid to prevent the growth of bacteria and mould in the drain pan. This increases cleanliness and reduces bad odour emanating from the drain water.



## Suitable for High Ceilings

Even in spaces with high ceilings, comfortable airflow is carried down to the floor level.



When the 4-way discharge direction is selected, a ceiling up to 4.5m in height can be accommodated (6 HP).

# Technical Specifications

Equivalent		HP	2.0	3.0	4.0	5.0	6.0
Model Name	Indoor Unit		CNII-053R1-0CSR3	CNII-071R1-0CSR3	CNII-106R1-0CTR3	CNII-123R1-0CTR3	CNII-141R1-0CTR3
	Outdoor Unit		CNIC-053R1-0CSR3	CNIC-071R1-0CSR3	CNIC-106R1-0CTR3	CNIC-123R1-0CTR3	CNIC-141R1-0CTR3
Power Supply	(Outdoor Unit)		1-phase, 50Hz, 230V		3-phase, 50Hz, 400V		
Cooling Capacity		kW	5.3(1.3-5.5)	7.0 (1.3-7.6)	10.6 (3.5-11.2)	12.1 (3.5-12.8)	14.1 (3.5-14.6)
Power Consumption		kW	1.8	2.1	3.75	4.45	5
EER			2.94	3.33	2.83	2.72	2.82
ISEER			3.95 (3 Star)	4.32 (3 Star)	3.69 (3 Star)	3.69 (3 Star)	3.65 (3 Star)
Indoor Unit	Airflow (H/M/L)	m3/h	1000/830/770	1030/850/790	1470/1340/1240	1680/1530/1400	1900/1730/1580
	Sound pressure level (H/M/L)	dB(A)	35/31/29	36/32/29	46/43/39	49/47/44	43/41/39
	Dimensions (HxWxD)	Main Unit (mm)	223x840x840	223x840x840	223x840x840	223x840x840	286x840x840
		Panel (mm)	30x950x950	30x950x950	30x950x950	30x950x950	30x950x950
	Weight	Main Unit (kg)	18	21	21	21	24
		Panel (kg)	5	5	5	5	5
Outdoor Unit	Refrigerant charge (R32)	kg	0.66	1.0	1.12	1.17	1.64
	Sound pressure level	level dB(A)	56	57	58	61	63
	Dimensions (HxWxD)	mm	561x825x353	691x975x353	820x904x325	820x904x325	820x904x325
	Weight (Net/Gross)	kg	27 kg / 31 kg	36 kg / 41 kg	44kg/49kg	45kg/50kg	53.5kg/58kg
Piping connections	Liquid side/ Gas side	mm	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9
Max. total	Pipe length	m	25	25	30	30	50
	Additional refrigerant charge under long piping connector	m	20g/m (16m to 25m)	35g/m (16m to 25m)	35g/m (16m to 30m)	35g/m (16m to 30m)	38g/m (16m to 50m)
Max. height		m	10	10	20	20	30
Operation	Ambient Range	°C	15 ~ 52	15 ~ 52	15 ~ 52	15 ~ 52	15 ~ 52

# More Than a Century of Cool

In 1902, a determined engineer answered one of mankind's most nagging questions: How do we make hot, sticky, indoor air go away? In creating the world's first modern air conditioning system, Willis Carrier forever changed indoor life, and, more than a century later, the corporation that bears his name takes inspiration from his example. Carrier strives to improve on our founder's breakthroughs, introducing new technologies that make life at home even cooler. Today, a nationwide network of experts continues to advance Willis Carrier's lifework. Your expert Carrier dealer is equipped to evaluate your home and create a customized system designed around your lifestyle.



For more details, please contact our sales office:

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