



Turn to the Experts.



**Carrier Inverter
Multi Split
Systems**



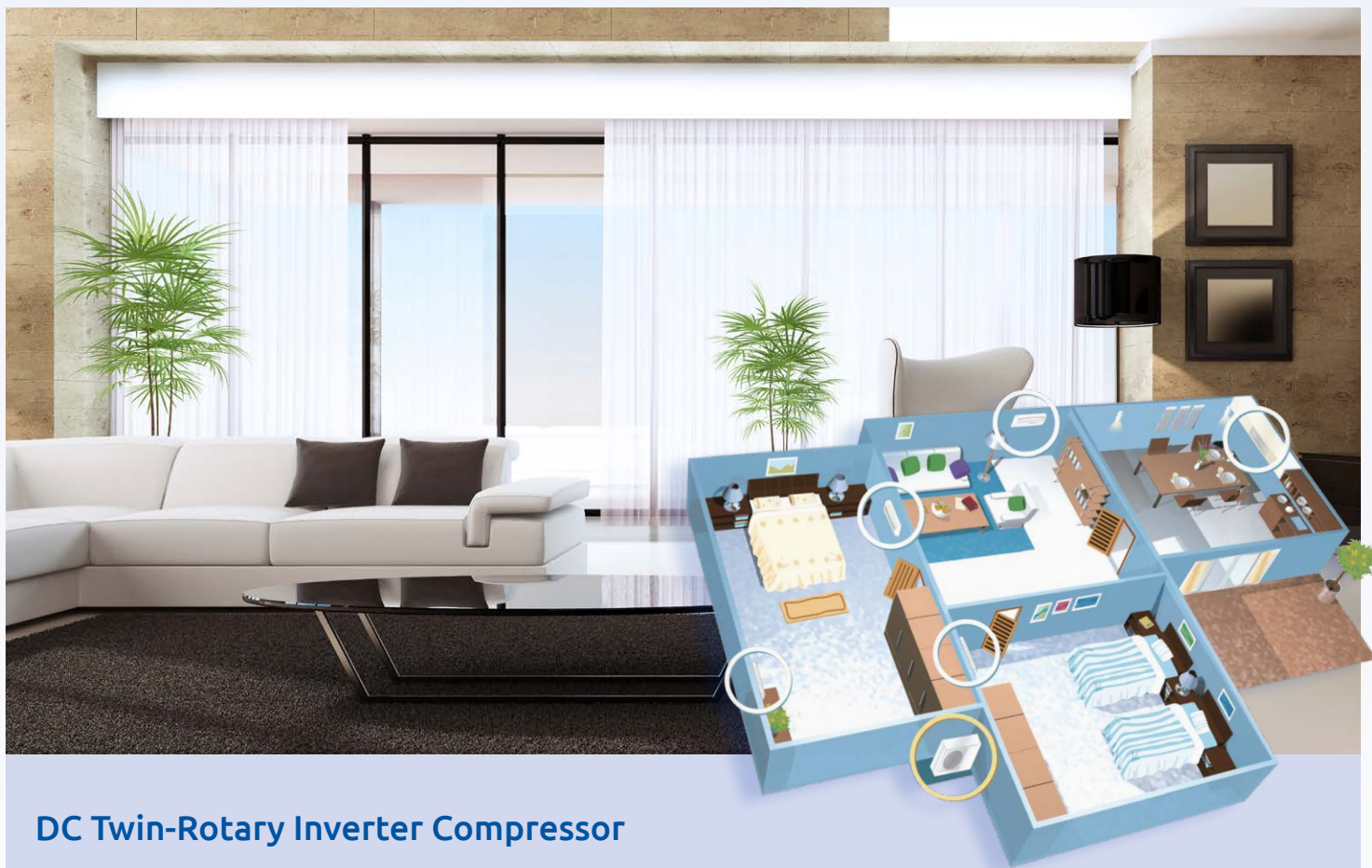
About Carrier Inverter Multi Split Systems

When it is necessary to provide a comfortable solution for multiple rooms, Carrier's Multi-Split systems offer the ideal solution. One outdoor unit is capable of operating 2, 3, 4 and 5 indoor units and a range of different styles.

Who are Carrier Air Conditioners?

Founded by the inventor of modern air conditioning Willis Carrier, Carrier is one of the world's leaders in high technology heating, air conditioning and refrigeration solutions. Carrier provides sustainable solutions, integrating energy efficient products, building controls and energy services for residential, commercial, retail, transport and food services customers. Carrier improves the world around us through engineered innovation and environmental stewardship. Carrier is also a leading provider to the aerospace and building systems industries.

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.



DC Twin-Rotary Inverter Compressor

A wide range of efficiency is realised

This compressor enables the adoption of a high-pressure refrigerant. High efficiency is evident in low speed operation ranges. It can reduce energy consumption when operated over a long period.

High efficiency

Rotating with two rollers at the same time, makes accurate compressor rotation possible, with less energy loss. As a result, it offers a great reduction in energy consumption, yet with very powerful operation.

High reliability and low noise

The enhanced DC Twin-Rotary Compressor delivers stable performance with minimum friction. Ideal for noise-sensitive applications. The sound of the outdoor unit is almost imperceptible.

Product Specifications

High Wall

Better comfort and power saving – the inverter Hi-Wall Split Systems with DC technology will give you a comfortable and energy efficient cooling or heating solution.

- Rapid heat and cool function
- Low maintenance and easy to install
- Self-cleaning
- Low noise levels
- Hidden display: temperature indication light can be turned off by remote controller when unit is running
- Follow me: a sensor in the remote controller will regulate room temperature based on the temperature around the remote controller



INDOOR		42QHC020	42QHC026	42QHC035	42QHC050	42QHC065
Power supply	V,Hz,Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph
Cooling capacity	kW	2.0	2.6	3.5	5.0	6.4
Cooling input	W	15	15	23	35	50
Cooling rated current	A	0.1	0.1	0.2	0.2	0.3
Heating capacity	kW	2.8	3.2	3.7	5.2	6.7
Heating input	W	15	15	23	35	50
Heating rated current	A	0.1	0.1	0.2	0.2	0.4
Indoor fan motor output	W	20	20	20	28	60
Indoor fan motor speed(H/M/L)	r/min	1100/950/800	1100/950/800	1100/950/800	1150/950/850	1150/950/850
Indoor air flow (H/M/L)	L/sec	128/106/78	139/108/83	139/108/83	211/153/128	319/247/214
Indoor sound pressure level(H/M/L)	dB(A)	38/34/30	40/35/31	40/35/31	42/37/35	47/42/38
Dimension(WxDxH)	mm	730×192×291	812×192×300	812×192×300	973×218×319	1082×225×338
Net weight	kg	8.0	9.0	9.0	12.0	13.5
Liquid line	mm(inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
Gas line	mm(inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.70 (1/2")	15.9 (5/8")
Thermostat type	-	IR remote control	IR remote control	IR remote control	IR remote control	IR remote control

*KJR-12B is the optional wired controller

Ducted

With ducted air conditioning the indoor unit is concealed in the roof with ducts distributing the air.

- Concealed and flexible installation
- Quiet operation
- Compact design
- Easy to install and maintain
- Perfect choice for applications with minimal ceiling space
- Drain pump included



INDOOR		42CMD026	42CMD035	42CMD050	42CMD070
Power supply	V,Hz,Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph
Cooling capacity	kW	2.6	3.5	5.0	7.0
Cooling input	W	40	50	80	100
Cooling current	A	0.18	0.23	0.37	0.46
Heating capacity	kW	2.9	3.8	5.5	7.3
Heating input	W	40	50	80	100
Heating current	A	0.18	0.23	0.37	0.46
Indoor fan motor output	W	100	100	90	90
Speed(H/M/L)	r/min	1300/1190/1070	1300/1190/1070	1370/1240/1090	1370/1240/1090
Indoor air flow	L/sec	150/139/103	150/139/103	219/183/136	311/250/117
ESP - rated	Pa	25	25	25	25
ESP - range	Pa	0-40	0-40	0-80	0-100
Indoor noise level (H/M/L)	dB(A)	42/38/35	42/38/35	42/40/38	43/40/38
Dimension (WxDxH)	mm	700x635x210	700x635x210	880x674x210	1100x774x249
Net weight	kg	18.5	18.5	23	30.2
Liquid line	mm(inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
Gas line	mm(inch)	9.52 (3/8")	9.52 (3/8")	12.70 (1/2")	15.9 (5/8")

* KJR-12B is the default wired controller and KJR-120A is the optional wired controller

**Cassette units available for projects only

Product Specifications

Outdoor unit specifications

OUTDOOR		38CMS051	38CMS071	38CMS083	38CMS098	38CMS131
Number of indoor units		2 rooms	3 rooms	4 rooms	5 rooms	5 rooms
Power supply	V,Hz,Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph
Cooling capacity*	kW	5.10	7.10	8.30	9.80	13.10
Cooling power input*	W	1440	2030	2350	2800	3900
Cooling rated current*	A	6.40	9.10	10.23	12.36	17.19
Ambient temperature - cooling	°C	0~50	0~50	0~50	0~50	0~50
EER	W/W	3.54	3.50	3.53	3.50	3.36
Heating capacity*	kW	6.00	7.60	9.4	11.00	14.50
Heating power input*	W	1600	2140	2550	3000	4000
Heated rated current*	A	7.10	9.50	12.50	13.19	17.73
Ambient temperature - heating	°C	-15~30	-15~30	-15~30	-15~30	-15~30
COP	W/W	3.75	3.55	3.69	3.67	3.63
Compressor type	-	twin rotary	twin rotary	twin rotary	twin rotary	twin rotary
Outdoor noise level	dB(A)	61.4	62.7	62.3	62.9	64.5
Dimension(WxDxH)	mm	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333
Net weight	kg	48	67	71	77	102
Type	-	R410A	R410A	R410A	R410A	R410A
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Liquid line	mm (inch)	6.35 (1/4")*2	6.35 (1/4")*3	6.35 (1/4")*4	6.35 (1/4")*5	6.35 (1/4")*5
Gas line	mm (inch)	9.52 (3/8")*2	9.52 (3/8")*2/12.7(1/2")*1	9.52 (3/8")*3/12.7(1/2")*1	9.52 (3/8")*4/12.7(1/2")*1	9.52 (3/8")*3/12.7(1/2")*2
Max. length for all rooms (total length)	m	40	60	80	80	80
Max. length for one FCU	m	25	30	35	35	35
Max. height difference between FCU and CDU	m	15	15	15	15	15
Max. height difference between FCUs	m	10	10	10	10	10
Charge less length	m	15	22.5	30	37.5	37.5

*Note:

Rated capacity and energy efficiency test data are based on 7.5 metre piping length for each indoor unit.

Capacity, Power Input, Running Current and AEER/ACOP are when connected with indoor units below.

38CMS051 match with 42QHC026 x 2

38CMS071 match with 42QHC026 x 2 + 42QHC020

38CMS083 match with 42QHC020 x 4

38CMS098 match with 42QHC020 x 4 + 42QHC026

38CMS131 match with 42QHC026 x 4 + 42QHC035



AHIC is committed to continuously improving its product to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

Product specifications in this brochure are only indicative and are subject to change. These are not intended to be used in place of the engineering or installation book

All features and specifications are subject to change without prior notice.

All images provided in this catalogue are used for illustration purposes only.

Cooling and heating capacities mentioned for the products are nominal capacities at standard operation conditions.