

# MULTI SPLIT SYSTEMS



# WHAT'S MULTI-SPLIT SYSTEM?

The Multi-split system consists of 1 outdoor unit and multiple indoor units connected individually. It allows to install best fit indoor units to different spaces, according to the requirement. Compared to a single-split unit, it offers advantages in terms of cost, installation and flexibility.

# FULL DC INVERTER

The Carrier Inverter AC can save up to 40% energy consumption and create the best sense of comfort. The innovative inverter algorithm is the core of Inverter technology. It enables the chip to accurately instruct the inverter compressor and DC fan motor of all indoor units for best overall performance. This technology realises in-time signal receiving, accurate data processing, anticipating and prompt transmission of instructions to the whole unit.



Signal Receiving



Data Processing



Instruction Transmitting

# FLEXIBLE SOLUTIONS -BY CARRIER



## DUCT



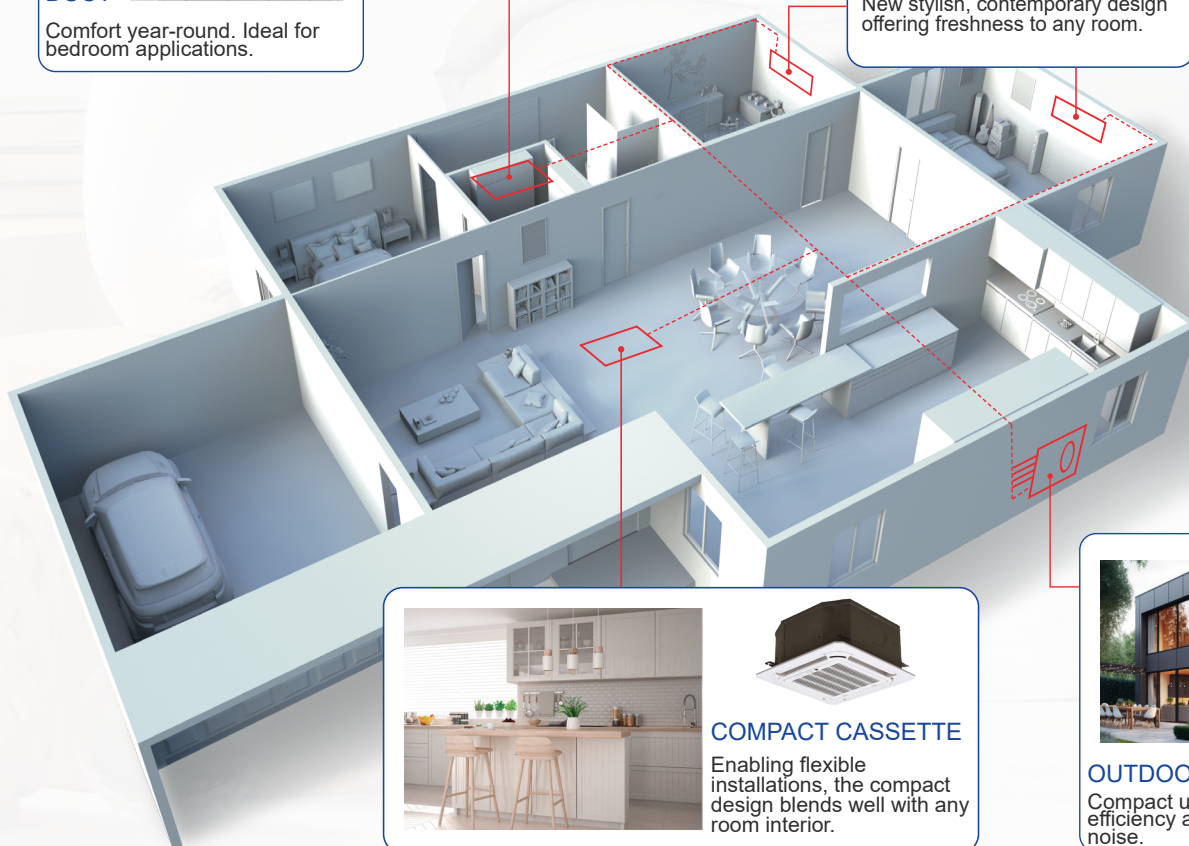
Comfort year-round. Ideal for bedroom applications.



## QAG



New stylish, contemporary design offering freshness to any room.



## COMPACT CASSETTE

Enabling flexible installations, the compact design blends well with any room interior.



## OUTDOOR UNITS

Compact units combining high efficiency and low operating noise.

# FLEXIBLE RANGE

Whether you are looking to cool a small bedroom or a large living space, the range of Carrier's residential air conditioning solutions are suitable for all areas of your home. From wall mounted split systems to cassette or bulk heads, Carrier multi split system has a wide variety of heating and cooling solutions to suit your requirements.

Specifically designed for applications where space is key, the 3-room to 5-room systems are perfect for apartments and small homes. Despite its compact size, there is no compromise on efficiency.



# NEW INDOOR LINE-UP



**QAG**  
Hi- Wall

Stylish and contemporary design.

- Feature packed for optimum comfort
- Comes with IR remote controller
- Follow Me Function
- Anti Dust Filter
- Turbo Mode
- Wi-Fi Ready
- UV Lamp Filter



**QSS**  
Bulk Head

Efficient and applicable for multiple applications

- Reliable and flexible solution for invisible installation
- Comes with wired remote controller
- Timer Function
- Turbo Mode
- Constant Air Volume
- Built-In Drain Pump






**QTD**  
Cassette




Compact design and flexible installation

- Stylish and contemporary design
- Comes with IR remote controller
- Louvre Position Memory
- Golden Fin Protection
- Turbo Mode

## SYSTEM COMBINATION PATTERNS

		MULTI SPLIT INDOOR UNITS				
Indoor Units sizes		020	026	035	050	070
Indoor Units cooling capacity		2.0 kW	2.5 kW	3.5 kW	5.0 kW	7.0 kW
High Wall - QAG 42QAG_N8		•	•	•	•	•
Bulk Head 42QSS_N8		•	•	•	•	
Compact Cassette 42QTD_N8		•	•	•	•	

• : Indoor units available sizes

		MULTI SPLIT OUTDOORS				
Indoor Units sizes		020	026	035	050	070
Indoor units cooling capacity		2.0 kW	2.5 kW	3.5 kW	5.0 kW	7.0 kW
3 Rooms 38QUM071D8S3 CDU Cooling capacity: 7.2 kW		•	•	•	•	
4 Rooms 38QUM080D8S4 CDU Cooling capacity: 8.1 kW		•	•	•	•	•
5 Rooms 38QUM105D8S5 CDU Cooling capacity: 10.70 kW		•	•	•	•	•

• : Indoor units sizes compatibility with outdoor units

# CONTROL SYSTEM



RG10U



KJR-120C / KJR-120N



CCM30

- IR Controller
- Follow Me
- Weekly Timer
- Louvre Control (Cassette)
- ECO Gear
- Breeze Away
- Swing Control
- Active Clean
- Turbo Mode
- Controls upto 64 FCU
- Synchronized Control

## CARRIER COMFORT CONNECT

Take control of your climate remotely through the Wi-Fi Ready APP on your smartphone. With just a simple swipe, you will be able to turn the air conditioner on/off and select the appropriate mode and temperature. Set timers for the week using the smartphone APP



Wi-Fi Ready - Hi Wall Only

## UP TO 130% HIGH COMBINATION RATE

Carrier Multi-Split system provides cooling and heating similar to a single split system, in an energy efficient way. In Carrier Multi, maximum combination can go up to 130% which helps to save both cost and space.



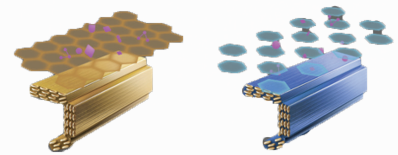
Carrier 8kW CDU with upto 4 FCU Combination



Carrier 10kW CDU with upto 5 FCU Combination

## GOLDEN FIN PROTECTION

The indoor unit and outdoor unit of inverter Multi-split have the golden fin protection. The unique hydrophilic golden coating on the heat ex-changers can help ODU withstand salty air, rain and other corrosive elements and prevents IDU from mould and bacteria. It also effectively improves the system's efficiency.



## CHECK POINT BUTTON

Press this button to check current operational parameters while the unit is running.

## STATUS AND ERROR DISPLAY

Display shows the error or status codes to indicate the working condition. It allows to check the maintenance book to find the codes explanation and the cause of problem without the need to check the full system.

## PORTABLE DEBUGGER (optional)

The portable debugger device is able to connect with PCB of ODU to display the operational parameters in real time, such as frequency, voltage and temperature which is helpful for technicians to check and maintenance.

## CDU SPECIFICATIONS



Indoor unit		3-Room Multi Split 38QUM071D8S3	4-Room Multi Split 38QUM080D8S4	5-Room Multi Split 38QUM105D8S5
Rated Cooling Capacity	kW	7.20	8.10	10.70
Rated Heating Capacity	kW	7.40	8.30	11.00
EER	W/W	3.58	3.86	3.32
COP	W/W	4.48	4.37	3.86
Dimensions [H x W x D]	mm	673 x 890 x 342	810 x 946 x 410	810 x 946 x 410
Net Weight	Kg	48.1	66.2	75.9
Maximum Pipe Length Total		60	80	80
Maximum Height per unit	m	15	15	15
Pre-Charged Length		22.5	22.5	22.5
Operating Range	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
	°F	-15 ~ 24	-15 ~ 24	-15 ~ 24
Power Supply	V / Ph / Hz	1Ph / 220-240V / 50Hz	1Ph / 220-240V / 50Hz	1Ph / 220-240V / 50Hz

# HI-WALL - QAG



## FEATURES

- Anti Dust Filter
- Gold-catalyst Filter
- 1-100% stepless comfort
- Golden fin protection
- Daily Timer
- Follow Me
- UV Lamp Filter
- Wifi Ready

Indoor unit		42QAG020N8	42QAG026N8	42QAG035N8	42QAG050N8	42QAG070N8
Rated Cooling Capacity	kW	2.00	2.65	3.50	5.00	7.00
Rated Heating Capacity	kW	2.20	2.75	3.75	5.35	7.60
Dimensions [H x W x D]	mm	292 x 729 x 200	295 x 802 x 200	295 x 802 x 200	321 x 971 x 228	337 x 1082 x 234
Net Weight	Kg	8.0	8.5	8.5	11.2	13.5
Airflow Cooling	l/s	75	83	86	139	186
Airflow Heating	l/s	128	139	147	222	335
Liquid Pipe Size	mm	6.35	6.35	6.35	6.35	9.52
Gas Pipe Size	mm	9.52	9.52	9.52	12.70	15.90

# COMPACT CASSETTE - QTD



Panel Model Number: 40CAS-S4

## FEATURES

- Cool Surround 360°
- Louver Position Memory
- Air Share Outlet
- Error Alarm Port
- Golden Fin Protection
- Timer Function
- IR Controller Included (RG-10U)
- Wired Controller (Optional)

Indoor unit		42QTD020N8	42QTD026N8	42QTD035N8	42QTD050N8
Rated Cooling Capacity	kW	2.05	2.64	3.52	5.28
Rated Heating Capacity	kW	2.05	2.64	3.52	5.28
Dimensions without panel [H x W x D]	mm	260 x 570 x 570	260 x 570 x 570	260 x 570 x 570	260 x 570 x 570
Net Weight	Kg	15.0	15.0	16.3	16.0
Airflow Cooling	l/s	108	108	108	133
Airflow Heating	l/s	156	156	160	189
Liquid Pipe Size	mm	6.35	6.35	6.35	6.35
Gas Pipe Size	mm	9.52	9.52	9.52	12.70

# BULK HEAD - QSS



## FEATURES

- Auto AFV Match
- Concealed Installation
- Flexible Air Intake
- Error Alarm Port
- Golden Fin Protection
- Timer Function
- Wired Controller Included

Indoor unit		42QSS020N8	42QSS026N8	42QSS035N8	42QSS050N8
Rated Cooling Capacity	kW	2.05	2.64	3.52	5.28
Rated Heating Capacity	kW	2.05	2.64	3.52	5.28
Dimensions [H x W x D]	mm	200 x 700 x 450	200 x 700 x 450	200 x 700 x 506	210 x 880 x 674
Net Weight	Kg	18.0	18.0	17.8	24.4
Airflow Cooling	l/s	83	83	83	143
Airflow Heating	l/s	161	161	167	253
Static Pressure	Pa	0 ~ 30	0 ~ 30	0 ~ 60	0 ~ 100
Liquid Pipe Size	mm	6.35	6.35	6.35	6.35
Gas Pipe Size	mm	9.52	9.52	9.52	12.70

# Carrier Inverter Multi Air Conditioners

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.

Equipment rates in accordance with MEPS 3823.2-2011 E&OE  
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SALES AND SERVICE: **13 COOL (13 2665)**  
AHIC (Australia) Pty Ltd- Level 1, 152 Wellington Road, Clayton, VIC 3168  
ABN 37 606 792 456 AU 22499

[carrierair.com.au](http://carrierair.com.au)

