

Carrier 42QAG_N8 Multi Split Systems User Guide

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Carrier 42QAG_N8 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 installation of best-fit indoor units in different spaces, according to the requirement.
- Compared to a single-split unit, it offers advantages in terms of cost, installation, and flexibility.

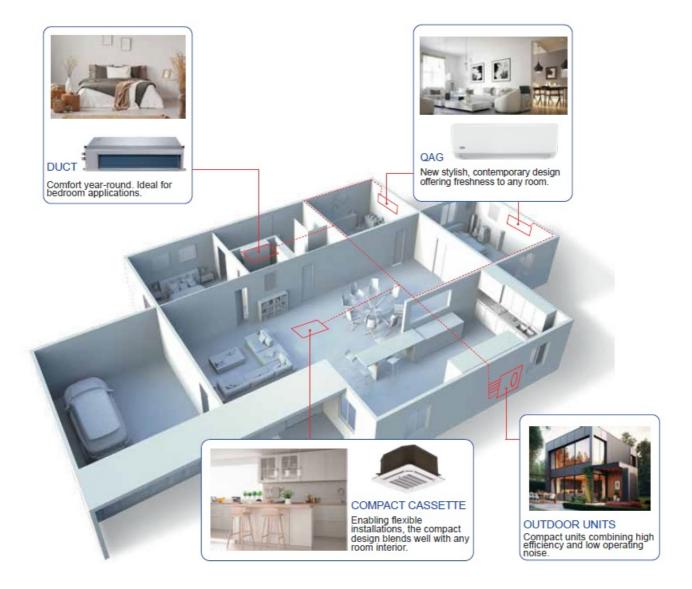
FULL DC INVERTER

- 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 the best overall performance.
- This technology realizes in-time signal receiving, accurate data processing, anticipating, and prompt transmission of instructions to the whole unit.



FLEXIBLE SOLUTIONS

BY CARRIER



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 is suitable for all areas of your home.
- From wall-mounted split systems to cassette or bulkheads, the 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



- · Stylish and contemporary design.
- · Efficient and applicable for multiple applications

- Compact design and flexible installation
- Feature packed for optimum comfort
- · Comes with an IR remote controller
- Follow Me Function
- Anti Dust Filter
- Turbo Mode
- · Wi-Fi Ready
- UV Lamp Filter
- Reliable and flexible solution for invisible installation
- · Comes with a wired remote controller
- Timer Function
- Turbo Mode
- Constant Air Volume
- Built-In Drain Pump
- · Stylish and contemporary design
- · Comes with an IR remote controller
- Louvre Position Memory
- Golden Fin Protection
- Turbo Mode

SYSTEM COMBINATION PATTERNS

	MUL	TI SPL	IT IND	oor u	NITS
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

	MU	LTI SP	LIT OL	JTDOC	RS
Indoor Units sizes	020	026	035	050	070
Indoor units cooling capacity	2.0 kW	2.5 kW	5 kW 3.5 kW 5.0 kW 7.0 kV		
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 unit sizes compatibility with outdoor units

CONTROL SYSTEM



RG10U

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



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, the maximum combination can go up to 130% which helps to save both cost and space.

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 exchangers can help ODU withstand salty air, rain, and other corrosive elements and prevent IDU from mold and bacteria. It also effectively improves the system's efficiency.



with upto 4 FCU Combination



Carrier 10kW CDU with upto 5 FCU Combination









CHECKPOINT BUTTON

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

STATUS AND ERROR DISPLAY

The display shows the error or status codes to indicate the working condition. It allows one to check the
maintenance book to find the code's explanation and the cause of a problem without the need to check the full
system.

PORTABLE DEBUGGER (optional)

• The portable debugger device can connect with the PCB of ODU to display the operational parameters in realtime, such as frequency, voltage, and temperature which is helpful for technicians to check and maintain.



CDU SPECIFICATIONS

Indoor unit				3-Room Multi Sp lit	4-Room Multi Sp lit	5-Room Multi Sp lit
Rated Cooling Ca				38QUM071D8S3	38QUM080D8S4	38QUM105D8S5
pacity	kW			7.20	8.10	10.70
Rated Heating Ca pacity	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 Le ngth Total				60	80	80
Maximum Height per unit	m			15	15	15
Pre-Charged Leng th				22.5	22.5	22.5
Operating Range		°C	С	-15 ~ 50	-15 ~ 50	-15 ~ 50
			Н	-15 ~ 24	-15 ~ 24	-15 ~ 24
Sound Pressure	dBA			60	60	60
Max Current	А			17.5	19	22
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 Capacit y kW	2.00	2.65	3.50	5.00	7.00
Rated Heating Capacit y kW	2.20	2.75	3.75	5.35	7.60
Dimensions [H x W x D] mm	292 x 729 x 2 00	295 x 802 x 20 0	295 x 802 x 20 0	321 x 971 x 22 8	337 x 1082 x 23 4
Net Weight Kg	8.0	8.5	8.5	11.2	13.5
Airflow Min	75	83	86	139	186
Airflow Max	128	139	147	222	335
Liquid Pipe Sizemm	6.35	6.35	6.35	6.35	6.35
Gas Pipe Size	9.52	9.52	9.52	12.70	15.90

COMPACT CASSETTE - QTD FEATURES

- Cool Surround 360°
- Louver Position Memory
- Air Share Outlet
- Error Alarm Port



Panel Model Number: 40CAS-S4

- 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			
Net Weight Kg	15.0	15.0	16.3	16.0
_Airflow Min I/s	108	108	108	133
Airflow Max	156	156	160	189
Liquid Pipe Size mm	6.35	6.35	6.35	6.35
Gas Pipe Size	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 Min l/s	83	83	83	143	
Airflow Max 7	253	161	161	16	
Static Pressure ~ 60	Pa 0 ~ 100	0 ~ 30	0 ~ 30	0	
Liquid Pipe Size 6.35	6.35	6.35	6.35		
Gas Pipe Size 52	mm 12.70	9	9.52		

Warranty

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.
- 7-Year warranty is applicable on residential applications only.
- All images provided in this catalog are used for illustration purposes only.
- The cooling and heating capacities mentioned for the products are nominal capacities at standard operation conditions.
- Equipment rates under MEPS 3823.2-2011 E&OE
- Date: July 2024
- 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

Documents / Resources



<u>Carrier 42QAG_N8 Multi Split Systems</u> [pdf] User Guide 42QAG_N8 Multi Split Systems, 42QAG_N8, Multi Split Systems, Systems

References

• User Manual

Manuals+, Privacy Policy

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