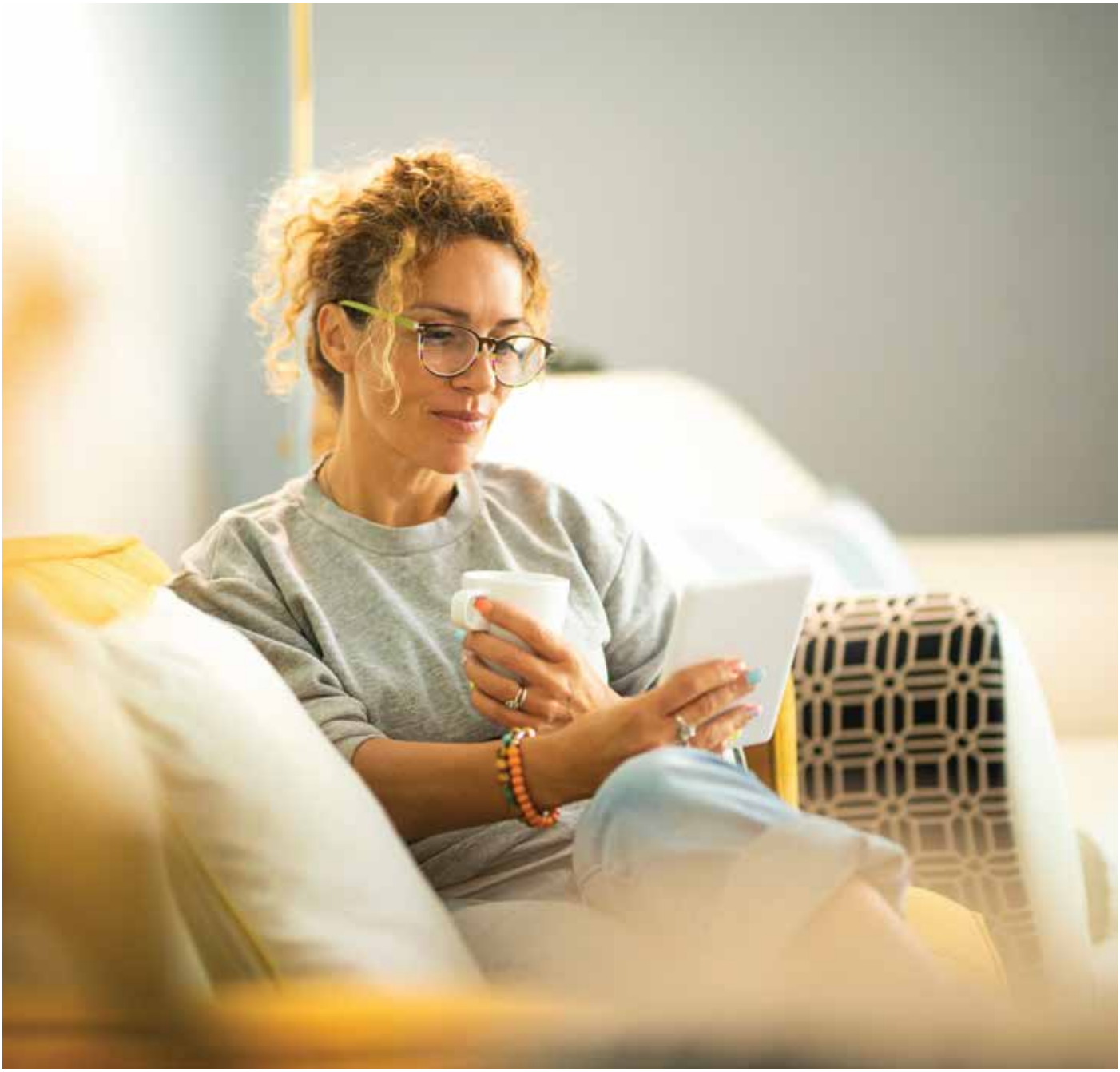
INSPIRING **COMFORT**

RESIDENTIAL & LIGHT COMMERCIAL UNITS

2026

We create the comfort **you need!**



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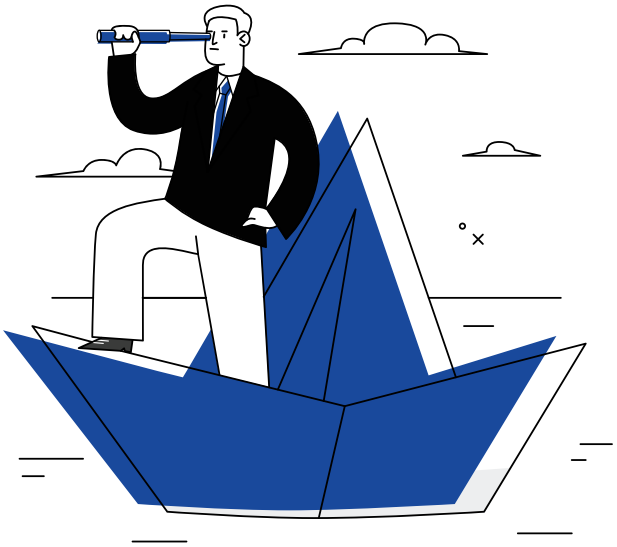


At Carrier, we don't just follow the technological evolution; **we lead it.**

From the very beginning, since 1902, when Willis Carrier solved one of humanity's most demanding challenges, controlling the temperature and air quality of indoor environments through modern HVAC systems, we have been at the forefront of innovation.

The World leader that inspires confidence with reliable and sustainable solutions.

Since then, our sustainable & innovative solutions continue to inspire confidence and trust among consumers and new industries worldwide.

With confidence and unwavering devotion, we persistently work towards creating a better future for all. We firmly believe that protecting the planet is not merely a requirement is an absolute necessity.

Because both your comfort and the sustainable development of our planet are the driving force behind our growing passion for inventing solutions that **advance our way of living, working, and evolving!**

Inspiring the inventor's confidence and the **expert's reliability!**

For over a century, we ardently strive to create an indoor environment that provides comfort and enhances productivity, regardless of the surrounding climate.

Our pioneering solutions can be found all over the world, conditioning the temperature and air quality of significant establishments including museums, sports facilities and hospitals, among others. Furthermore, Carrier's systems safeguard the global food supply, ensuring the freshness and quality of food and beverages. We deliver reliable solutions securing transportation and delivery of medical supplies, even under the most challenging conditions. We spearhead the movement for health-conscious and energy-efficient buildings, leaving a significant impact on environmental preservation.

Our dedication is not limited to the present, as our focus is steadfastly on tomorrow, working to devise solutions for a superior world where **comfort and sustainability are inherently intertwined.**

SYDNEY OPERA HOUSE

ACROPOLIS MUSEUM

Our **Commitments**

INSPIRING CONFIDENCE

Confidence is at the heart of everything we do. At Carrier, our innovations are empowering people worldwide to focus on what truly matters.

SOLUTIONS THAT CONSIDER THE WHOLE HOME

Trust Carrier to consider the numerous factors that affect your indoor air quality and provide solutions for cleaner and healthier environment.

We can recommend solutions that work with your heating and cooling system, helping improve the quality of the air throughout your entire home, and solutions that can improve the air quality of individual rooms in your home.

This holistic approach means that no matter how you make your house your home, you can trust the experts at Carrier to make it healthier – and more comfortable, too.

CREATE A **HEALTHIER HOME**

Carrier is dedicated to helping you create a home that is both healthier and more comfortable. As we continue to spend more time at home than ever before, it is imperative that we all work together to help ensure that our living and working spaces are healthy.

This involves both the air we breathe and the comfort of feeling secure in our environments. Our homes have become the new offices, classrooms, gyms, and restaurants, highlighting the importance of indoor air quality and home safety.

INNOVATING EVERYWHERE

Our industry-leading solutions and services are keeping buildings and homes across the globe comfortable, safe and secure.

Home Comfort Solutions

Everyone deserves to feel safe and comfortable at home. At Carrier, our world-leading brands offer a wide range of solutions, including efficient and intelligent home heating and cooling systems, as well as life-saving products.

GET COMFORTABLE
WITH CARRIER RESIDENTIAL SYSTEMS

Life can be unpredictable, so when you're home, your sense of comfort and relaxation should be just how you want it to be. Carrier helps millions of people take control of home comfort with innovative solutions, ranging from central air-conditioners to air quality products.

QUIET CONSISTENCY
AT HOME

Carrier home comfort solutions can provide consistent temperature, humidity, and air quality from room to room, every hour and every minute. Our quiet systems will not disrupt your routine. That means no loud noises when the air-conditioning turns on and no worries about performance – just the ideal comfort.

INDOOR
AIR QUALITY

Clean air is a key component of a healthy home. That's why Carrier offers a wide range of air quality solutions, including dehumidifiers, ventilators, ultraviolet lamps and air filters. As part of your home heating and cooling solutions, they can help reduce or even eliminate many allergens and harmful air pollutants – from dust and pet dander to chemical fumes and mold. Plus, our Indoor Air Quality Experts are available to help you implement exactly the system you need to maintain a healthy, comfortable environment at home.

ENERGY-EFFICIENT
HOME HEATING AND AIR-CONDITIONING

We equip your home with products that are as efficient as they are reliable. From furnaces and central air-conditioners to heat pumps and ductless systems, Carrier's heating and cooling products stand out as some of the world's most energy-efficient solutions.

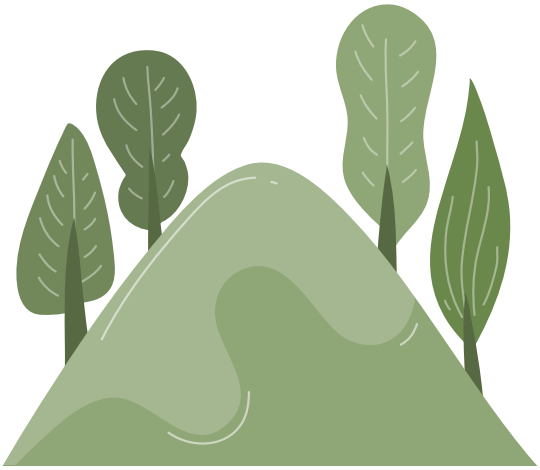
High Efficiency & Performance

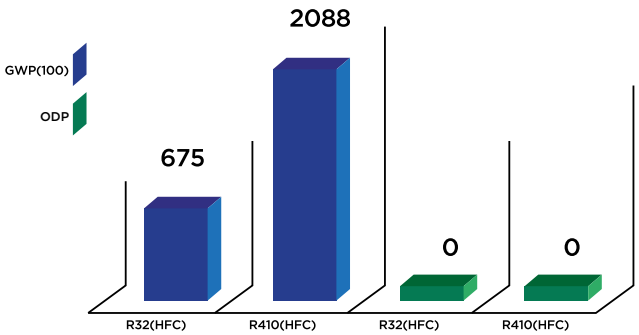
ULTRA-HIGH ENERGY EFFICIENCY PRODUCTS

The leading Energy Efficiency Compressor is a core element of the technology. Carrier air-conditioning units can provide heating and cooling in a wide range of operation, from -15°C to +50°C without sacrificing efficiency. Our units use ultra-quiet Inverter Compressors, operating at variable speeds, and achieving precise temperature control, great with energy savings up to 70% and powerful dehumidification. The compressor speed modulates automatically, much like a car on cruise control, so the system isn't constantly running at maximum capacity and only draws energy when it's needed. The indoor and outdoor fans are also equipped with DC motors, further improving energy efficiency and reducing consumption!

ENVIRONMENTALLY FRIENDLY PRODUCTS

A refrigerant is a fluid/gas/liquid that is employed in the Air-Conditioning systems and Refrigerators. Without refrigerants, Air-Conditioners, Refrigerators, or any other freezing technology would not be possible. Looking for more environmentally friendly refrigerants with low global warming potential and zero impact on the ozone layer, the industry moved for the residential units to R-32 refrigerant.





R-32 refrigerant has GWP (Global Warming Potential) of 675 which is three times lower than R-410A (GWP 2088) and it is more energy efficient than R-410A.

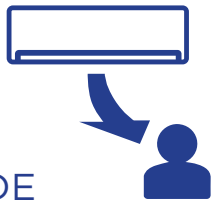
Advanced **Technology**

ECO PLUS MODE

By enabling this mode in cooling operation you can save up to 60% more energy compared to normal mode. The unit will automatically adjust both the internal fan speed and compressor rotation to provide you the same comfort with minimum power consumption. The function will be automatically disabled after 8 hours of operation. In this mode, the selected cooling temperature can be between 24 – 30°C.

INTELLIGENT SENSOR

The intelligent humidity control system uses a built-in sensor to maintain a comfortable indoor environment by balancing both humidity and temperature. It automatically detects the room's humidity level, adjusts fan speed, and regulates dehumidification to achieve the desired humidity range of 35%–85% while keeping the temperature stable. Unlike conventional systems that reduce humidity through excessive cooling and cause large temperature drops, this dual-control technology ensures less temperature fluctuation and improved comfort.



FOLLOW ME MODE

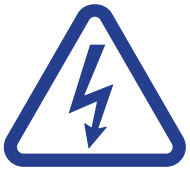
A temperature sensor built in the remote controller will sense its surrounding temperature. The unit can adjust room temperature more accurately to the area you place the remote controller, to give you greater comfort.

8°C HEATING FUNCTION

You can activate this function through the remote control, so that the air-condition automatically starts heating mode when it detects temperature below 8°C, to prevent the room from freezing when it is unoccupied for a long period in severe cold weather.

CRANKCASE HEATER **optional*

The crankcase heater serves a dual purpose, preventing refrigerant migration and mixing with crankcase oil when the unit is off. Additionally, it safeguards against the condensation of refrigerant in the compressor's crankcase. The crankcase heater keeps the refrigerant at a temperature higher than the coldest part of the system.



ELECTRICAL VOLTAGE PROTECTION

The unit is designed to operate when the voltage is less than or greater than 230 volts. Specifically, the air-conditioner can be operated at a voltage of 168 to 264V, thus providing protection against voltage fluctuations within these limits.

BASE PAN HEATER **optional*

Carrier models are Equipped with base pan heater, designed to prevent condensate from freezing in low ambient conditions. This feature minimizes ice formation and ensures efficient water drainage following defrost cycles, even in extreme temperatures. The optimized base design, with multiple drainage points, facilitates quick removal of Condensate.

By preventing condensate from freezing, the system avoids potential issues such as operational noise, damage to fan blades or the condenser, and performance degradation—ensuring reliable operation and enhanced system longevity in harsh climates.

REVERSE DUST **REMOVAL**

The Welling DC motor can constantly rotate the fan blades in reverse to get rid of the sand and dust from outside, ensuring that the AC is clean and free from dust.

only for selective models

Advanced
Air Quality

PRE-FILTER

The pre-filter withholds the largest dust particles suspending in the air, removing them from the airflow before they get in the air-conditioning unit. It covers the air intake and thus helps keeping the unit and the coil clean from dirt and debris, providing better air quality. The pre-filter can be remover and cleaned with soap-water without losing its effectiveness.

BE IONIZER **optional*

Creates a healthy climate as it rejuvenates the air with negatively charged ions.
Removes pollen and dust while neutralizing bacteria and fights unpleasant odours such as cigarette smoke, for a cleaner and healthier indoor environment.

ACTIVE CLEAN

Active Clean Technology washes away dust, mold, and grease that may cause odours, when it adheres to the heat exchanger, by automatically freezing and then rapidly blowing away the frost.
During the Active Clean operation, more condensed water is produced, enhancing the cleaning effect and preventing mold growth, ensuring the interior stays clean.

Air **Purification**

Carrier incorporates the most advanced filtration system to absorb and control common indoor pollutants.

IONIZER FILTER **optional*

Ionizer filter is a new kind of high efficient sterilizing product. Ionizer is a colourless and tasteless ion that brings no side effect, irritation, pollution, drug tolerance or volatilization. Since the ion recycles itself after sterilizing, it is durable and can effectively stop bacteria from growing.

Smart Functions

Maximize your comfort & save energy!

All Carrier units can be controlled remotely through Wi-Fi with an easy-to-use mobile app. Wi-Fi control allows you to turn on & off the unit, select temperature or schedule operation anytime and anywhere.

Now you can enjoy a comfortable environment from the moment you arrive at home. Moreover, you can take care of your loved ones during your absence by creating a comfortable environment for them through your mobile device.

The application allows you to control all your units independently. You can even name each unit so that you easily know the room you control each time.

The application is ideal also for hotels, as the hotel administrator can easily control the needed comfort in all rooms at any time.

In applications such as hotel buildings, the reception desk can activate, control, and deactivate each unit in every room depending on the occupancy.

They can warm up or cool down the room before hotel guests arrive, and ensure the units are switched off when the room is unoccupied, saving valuable energy consumption.

The app is available for Android and iOS mobile devices.

Key **Features**

When selecting an air-conditioner for your home, you have an array of choices.

With more than a century of expertise in indoor air environments, Carrier has developed solutions for every need & budget from a single air-conditioner to an entire Carrier multi system. Carrier products conform to the highest quality standards and maximize comfort with functions and features especially designed to cover all your needs.

AIR QUALITY

PRE-FILTER
The pre-filter withholds the largest dust particles suspending in the air, removing them from the airflow before they enter the air-conditioning unit. It covers the air intake and thus helps keeping the unit and the coil clean from dirt and debris, providing better air quality. The pre-filter can be removed and cleaned with soap-water without losing its effectiveness.

IONIZER FILTER **optional*
Silver ion filter is a new kind of high efficient sterilizing products. Silver ion is a colourless and tasteless ion that brings no side effect, irritation, pollution, drug tolerance or volatilization. Since the ion recycles itself after sterilizing, it is durable and can effectively stop bacteria from growing.

BE IONIZER **optional*
Creates a healthy climate as it rejuvenates the air with negatively charged ions. Removes pollen and dust while neutralizing bacteria and fights unpleasant odours such as cigarette smoke, for a cleaner and healthier indoor environment.

ENERGY SAVING

SLEEP MODE
This mode saves energy and improves night time comfort. The set temperature will increase by 1°C per hour in cooling mode or decrease by 1°C per hour in heating mode, for the first 2 hours of operation. Thereafter the unit will retain the new temperature for 5 hours after which it will switch off automatically!

ELECTRONIC EXPANSION VALVE
The EEV controls the refrigerant flow more effectively and improves compressor's operating conditions, increases its efficiency and decreases power consumption.

1W STANDBY
The unit consumes less than 1W in standby mode. Intelligent ON/OFF technology allows the unit to automatically enter energy saving mode when in standby.

COMFORT

WI-FI ACTIVE
You can remotely control your AC from anywhere. This function does not require any additional equipment.

AUTO-SWING
You can select the louvers to move automatically or choose the exact airflow direction using the remote control, as the unit is equipped with motorized air-louvers.

8°C HEATING FUNCTION
You can activate this function through the remote control, so that the air-condition automatically starts heating mode when it detects temperature below 8°C, to prevent the room from freezing when it is unoccupied for a long period in severe cold weather.

ACTIVE CLEAN
Active Clean Technology washes away dust, mold, and grease that may cause odours when it adheres to the heat exchanger by automatically freezing and then rapidly blowing away the frost.

TURBO MODE
This function will be helpful to cool or heat your room quickly and effectively by operating at the maximum fan speed for 30 minutes.

INTELLIGENT SENSOR
Experience smarter comfort with our intelligent humidity control system. Using a built-in sensor, it automatically balances humidity and temperature, adjusts fan speed, and optimizes dehumidification to maintain a comfortable indoor environment within 35%–85% humidity range.

REMOTE CONTROL LOCKING
With the ability to lock the remote control, you can ensure that the desired settings will not be changed accidentally or by a child.

TIMER
You can program the unit to operate during specific hours, in the desired mode and temperature settings.

MEMORIZATION
The unit memorizes the last desired mode, temperature and position of the louvers for the next startup.

SILENT MODE
Indoor fan will run at super quiet mode, achieving extremely low noise levels.

DC INVERTER
The indoor unit is equipped with a DC inverter fan motor. The outdoor unit is also equipped with DC inverter technology compressor and fan motor. With 3 DC inverter motors the unit achieves maximum performance and energy efficiency.

RELIABILITY

ELECTRICAL VOLTAGE PROTECTION
The unit is designed to operate when the voltage is less than or greater than 230 Volts. Specifically, the air-conditioner can be operated at a voltage of 168 to 264V, thus providing protection against voltage fluctuations within these limits.

SELF-DIAGNOSIS & AUTO-PROTECTION
When two or more sensors detect malfunction, the unit will shut down automatically, to prevent any further issues. At the same time, it will indicate an error code for faster service.

AUTO-DEFROSTING
This function will protect the outdoor unit and evaporator from ice and will maintain dehumidifying effect under extremely low ambient temperature.

OVERFLOW PROTECTION
When the condensate tank gets full, the unit will stop automatically.

AUTO-RESTART
The unit restarts automatically after a power failure, keeping all previous settings.

GOLDEN FIN
Unique anticorrosive golden coating on the heat exchangers can withstand the salty air, rain and other corrosive elements. It also effectively prevents bacteria from breeding and improves the efficiency.

BASE PAN HEATER **optional*
Used to prevent ice formation and to promote water drainage after defrosting cycles in extreme low ambient temperatures.

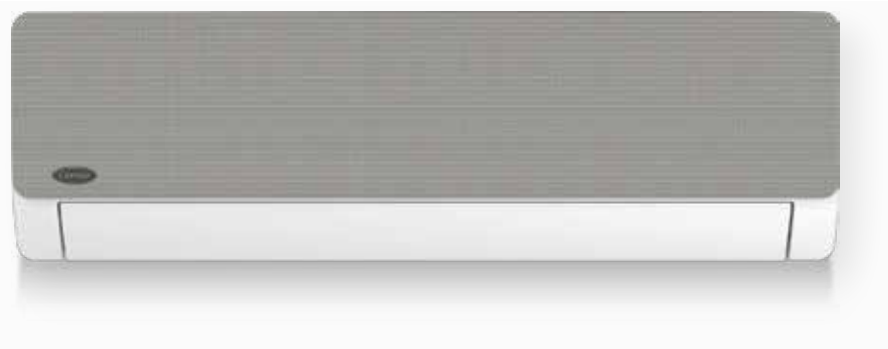
CRANKCASE HEATER **optional*
The crankcase heater prevents refrigerant migration and mixing with crankcase oil when the unit is off, and prevents condensation of refrigerant in the crankcase of a compressor. The crankcase heater keeps refrigerant at a temperature higher than the coldest part of the system.

REFRIGERANT LEAKAGE DETECTION
This function protects the compressor from being damaged by high temperature due to refrigerant leakage. Indoor unit will show error code "EC" and stop automatically when refrigerant leakage is detected.

RESIDENTIAL UNITS

Turn your personal space into the perfect place with Carrier's expertise.

INVERTER HI-WALL



ambi
FULL DC INVERTER

Closer to the ceiling

Optional Bluetooth Controller

EUROVENT
EUROVENT Certification

Grey Fabric Mask
(Optional)

Design, innovation, efficiency

The new AMBI air conditioning unit is a true energy-saving mastermind. Equipped with advanced inverter compressor technology, it optimizes energy consumption while maintaining maximum efficiency. At the same time, its cutting-edge air purification technologies help create a healthier, safer indoor environment. An iced cube gray tone panel provides the ultimate design for your space while ensuring comfort in your home.

FEATURES

- Pre-filter
- Eco Plus Mode
- Sleep Mode
- 1W Standby
- Auto-Swing Mode
- 8°C Heating Function
- Follow Me
- Turbo Mode
- Remote Control Locking
- Timer
- Memorization
  Last desired mode, set temp,
  For next startup
- Silent Mode
  Indoor fan run super quiet
- Electrical Voltage Protection
- Self-Diagnosis & Auto-Protection
- Overflow Protection
- Auto-Defrosting
- Auto-Restart
- Golden Fin
- Base Pan Heater (Optional)
- Crankcase Heater (Optional)
- Refrigerant Leakage Detection

TECHNICAL CHARACTERISTICS

SYSTEM			42QCE009D8SP	42QCE012D8SP	42QCE018D8SP	42QCE024D8SP
			38QCE009D8SP	38QCE012D8SP	38QCE018D8SP	38QCE024D8SP
Rated Cooling Capacity		kW	2.6 (1.1~3.2)	3.5 (1.1~3.8)	5.2 (1.8~5.9)	7.0 (2.0~7.8)
Rated Cooling Capacity		Btu/h	8871	11942	17742	23884
Cooling Power input		kW	0.82 (0.08~1.26)	1.35 (0.08~1.50)	1.60 (0.14~2.10)	2.60 (0.42~3.90)
EER		w/w	3.23	2.59	3.25	2.69
Rated Heating Capacity		kW	2.93 (0.83~3.60)	3.81 (1.08~4.05)	5.40 (1.30~6.10)	7.33 (1.60~7.80)
Rated Heating Capacity		Btu/h	9997	13000	18425	25010
Heating Power input		W	0.79 (0.14~1.16)	1.19 (0.17~1.35)	1.39 (0.22~1.70)	2.15 (0.30~2.50)
COP		w/w	3.71	3.20	3.88	3.41
Power supply		Ph-V-Hz	220-240V, 1Ph, 50Hz			
INDOOR UNIT			**42QCE009D8SP**	**42QCE012D8SP**	**42QCE018D8SP**	**42QCE024D8SP**
Indoor air flow (H/M/L)		m^3/h	510/380/300	590/420/340	800/600/470	1039/752/606
Indoor noise level (H/M/L/S)		dB(A)	38.5/33.0/23.5/19.0	39.0/32.0/24.0/20.0	43.0/35.5/33.5/20.0	45.0/39.5/36.0/20.0
Dimension (W*D*H)		mm	723×199×286	825×199×286	975×218×308	1055×231×330
Packing Dimension (W*D*H)		mm	780x270x365	895x290x365	1035x295x385	1130x405x310
Net/Gross weight		Kg	7.0/9.2	7.4/9.7	10.4/13.4	12.4/15.9
OUTDOOR UNIT			**38QCE009D8SP**	**38QCE012D8SP**	**38QCE018D8SP**	**38QCE024D8SP**
Airflow		m^3/h	1750	1750	2100	3500
Outdoor sound pressure level		dB(A)	54.5	56.0	57.5	60.0
Dimension (W*D*H)		mm	720x270x495	720x270x495	805x330x554	890x342x673
Packing Dimension (W*D*H)		mm	835x300x540	835x300x540	915x370x615	995x398x740
Net/Gross weight		Kg	20.4/22.3	20.4/22.3	29.8/32.3	38.3/41.5
Compressor			Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
Refrigerant	Type		R32	R32	R32	R32
	Charged quantity	Kg	0.46	0.49	0.80	0.95
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	6.35mm (1/4in)/12.7mm (1/2in)
	Max. refrigerant pipe length	m	25	25	30	50
	Max. height difference	m	10	10	20	25
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16～32 / 0～30	16～32 / 0～30	16～32 / 0～30	16～32 / 0～30
	Outdoor (cooling/ heating)	℃	-15～50 / -20～24	-15～50 / -20～24	-15～50 / -20～24	-15～50 / -20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

R32 REFRIGERANT

INVERTER HI-WALL

ambi INVERTER

Design, innovation, efficiency

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FEATURES

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- Crankcase Heater (Optional)
- Refrigerant Leakage Detection

TECHNICAL CHARACTERISTICS

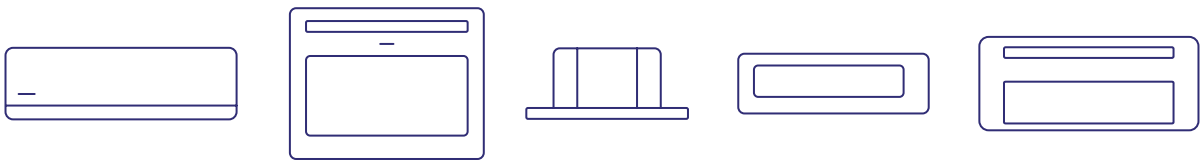
SYSTEM			42QCE009D8SE 38QCE009D8SE	42QCE012D8SE 38QCE012D8SE	42QCE018D8SE 38QCE018D8SE	42QCE024D8SE 38QCE024D8SE
Rated Cooling Capacity		KW	2.64 (1.17~2.93)	3.51 (1.29~3.66)	5.27 (1.11~5.45)	7.03 (1.4~7.18)
Rated Cooling Capacity		Btu/h	9000	12000	18500	24000
Cooling Power input		KW	0.82 (0.1~1.02)	1.1 (0.28~1.27)	1.67 (0.11~1.82)	2.13 (0.32~2.3)
EER		W/W	3.21	3.21	3.25	3.31
Rated Heating Capacity		KW	3.22 (0.9~3.51)	3.51 (1.05~3.98)	5.42 (1.32~5.85)	7.03 (1.44~7.18)
Rated Heating Capacity		Btu/h	11000	12000	18500	24000
Heating Power input		KW	0.89 (0.14~1.08)	0.97 (0.3~1.18)	1.48 (0.12~1.66)	1.84 (0.38~2)
COP		W/W	3.61	3.61	3.65	3.81
Power supply		V-Ph-Hz	220-240V~, 1Ph, 50Hz			
INDOOR UNIT			**42QCE009D8SE**	**42QCE012D8SE**	**42QCE018D8SE**	**42QCE024D8SE**
Indoor air flow (H/M/L)		m^3/h	515/365/290	550/400/250	915/750/675	1150/840/670
Indoor noise level (H/M/L/S)		dB(A)	38/33.5/21.5	36/32/20	44/38/35	46/39/31
Dimension (W*D*H)		mm	723x199x286	813x201x289	975x218x308	1055x231x330
Packing Dimension (W*D*H)		mm	780x270x365	870x270x365	1035x295x385	1130x405x310
Net/Gross weight		kg	7.5/9.8	8.1/10.5	10.4/13.4	11.9/15.4
OUTDOOR UNIT			**38QCE009D8SE**	**38QCE012D8SE**	**38QCE018D8SE**	**38QCE024D8SE**
Airflow		m^3/h	1800	1800	2100	2500
Outdoor sound pressure level		dB(A)	54	55	57.5	58
Dimension (W*D*H)		mm	720x270x495	720x270x495	765x303x555	805x330x554
Packing Dimension (W*D*H)		mm	835x300x540	835x300x540	887x337x610	915x370x615
Net/Gross weight		kg	19.7/21.6	20.6/22.4	24.6/26.8	32/34.3
Compressor			Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
Refrigerant	Type		R32	R32	R32	R32
	Charged quantity	Kg	0.52	0.53	0.9	1.1
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	35	35	30	30
	Max. height difference	m	10	10	20	20
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/ heating)	℃	-15～50/-15～24	-15～50/-15～24	0～50/-15～24	0～50/-15～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

R32 REFRIGERANT

MULTI SPLIT SYSTEMS

Experience the perfect climate
in your house or smaller working space,
with Carrier's flexibility & comfort.



Delivering
The Ultimate Comfort
with the Maximum Flexibility

With the virtually endless configurations, our lineup of multi air-conditioners allow you to choose the best solution for your needs. By selecting specific rooms to heat or cool, energy use is concentrated in the areas you choose, delivering comfort with maximum energy efficiency.

Moreover, Carrier's Indoor units are a perfect fusion of aesthetics and technology. With their discreet look, their flowing lines, simple curves and backlit finishing, they are truly a high-tech decorative ornament.

Our multi air-conditioning systems are designed to offer efficient, quiet and reliable operation all year round!

TIMER

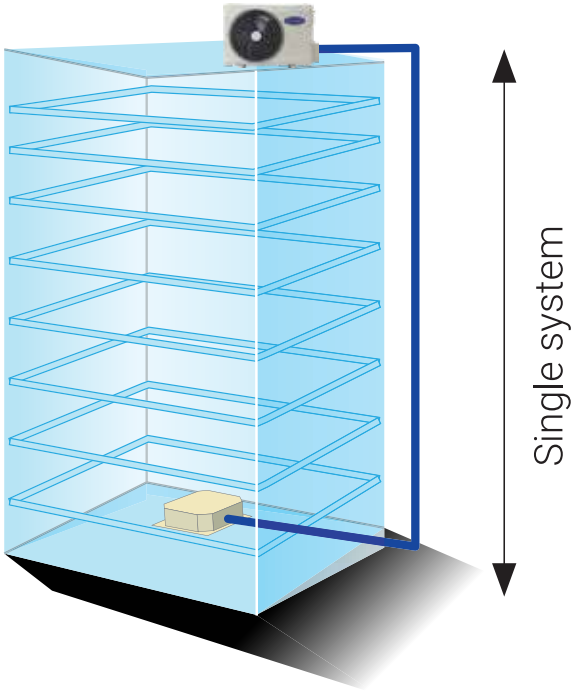
SELF-DIAGNOSIS & AUTO-PROTECTION

Outdoor units	Max. Length (m)		Max. Elevation(m)	
	Total length	One indoor	Between indoor and outdoor	Between indoor and indoor
1 drive 2	40	25	15	10
1 drive 3	60	30	15	10
1 drive 4	80	35	15	10
1 drive 5	80	35	15	10

INSTALLATION **FLEXIBILITY**

Up to five multiple style indoor units (Hi-Wall, Cassettes and Ducted) supported by just one efficient, outdoor Inverter compressor unit.

- Maximum piping length from 25m to 35m for one unit and from 40m to 80m for all rooms
- Vertical piping length up to 10m between indoor units and up to 15m between indoor and outdoor



Height between indoor units 15m

Maximum height difference of 15m can be supported to ensure that Carrier outdoor units are ideally matched with every architectural style.

HIGHER EFFICIENCY UNDER PARTIAL LOAD

Carrier's advanced inverter compressor optimizes performance by precisely adjusting output to match real-time cooling/heating demand. During partial load conditions—when not all spaces require air conditioning—the system operates at reduced capacity, significantly lowering energy consumption while maintaining consistent comfort. Unlike conventional fixed-speed systems that run at full output regardless of demand, this intelligent modulation ensures superior efficiency, quieter operation, and enhanced system longevity—making it an ideal solution for energy-conscious residential and commercial applications.

ENERGY EFFICIENCY **COMFORT** **FLEXIBILITY**

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS014D8S2-1				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x2)**	**Cassette 42QTD007D8SN (x2)**	**Ducted 42QSV007D8S (x2)**	**1Way Cassette 42QTS009D8S (x2)**	**Console 42QZY009D8S (x2)**
Cooling capacity	Btu/Hr	14000 (5000~17000)	14000 (5000~16000)	14000 (5000~17000)	13648 (2640~17000)	14000 (5500~17000)
Cooling Power Input	W	1270 (100~1650)	1270 (105~1670)	1270 (110~1680)	1100 (200~1800)	1270 (100~1665)
Cooling Current	A	5.8 (1.2~7.12)	5.8 (0.8~7.3)	5.8 (1.9~7.6)	5.0 (1.9~8.0)	5.7 (1.2~7.32)
EER	W/W	3.23	3.23	3.23	3.64	3.23
Heating capacity	Btu/Hr	15000 (5500~16500)	15000 (5500~16500)	15000 (5500~17000)	15013 (4600~16250)	15000 (5500~17000)
Heating Power Input	W	1185 (220~1630)	1185 (220~1600)	1100 (250~1613)	1200 (290~1411)	1185 (240~1525)
Heating Current	A	5.4 (1.9~7.24)	5.4 (1.7~7.3)	4.9 (2.5~7.3)	5.4 (2.7~6.3)	5.3 (2.0~6.73)
COP	W/W	3.71	3.71	4	3.67	3.71
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
Outdoor sound power level	dB (A)	65	65	63	65	64
Outdoor unit dimensions (W*D*H)	mm	805*330*554				
Outdoor unit Packing dimensions (WxDxH)	mm	915*370*615				
Outdoor unit Net/Gross weight	KG	31.6/34.7				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	1.1				
Refrigerant pipe (Liquid side/ Gas side)	mm	2x6.35mm/2x9.52mm				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

OUTDOOR MODEL		38QUS018D8S2-2				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x2)**	**Cassette 42QTD009D8SN (x2)**	**Ducted 42QSV009D8S (x2)**	**1Way Cassette 42QTS009D8S (x2)**	**Console 42QZY009D8S (x2)**
Cooling capacity	Btu/Hr	18000 (7600~19000)	18000 (7600~19000)	19000 (7800~19500)	18000 (2183~20175)	18000 (7800~19500)
Cooling Power Input	W	1635 (690~2000)	1635 (690~2000)	1600 (690~2000)	1580 (190~1960)	1635 (160~2000)
Cooling Current	A	7.1 (3.2~9.0)	7.1 (3.2~9.0)	7.3 (3.2~9.0)	7.0 (1.7~8.7)	7.3 (1.30~9.00)
EER	W/W	3.23	3.23	3.48	3.34	3.23
Heating capacity	Btu/Hr	19000 (7980~19200)	19000 (7980~19200)	20000 (8200~21000)	19000 (5094~21257)	19000 (8200~19600)
Heating Power Input	W	1500 (600~1780)	1500 (600~1780)	1450 (600~1750)	1480 (300~1690)	1500 (270~1750)
Heating Current	A	6.6 (2.80~7.95)	6.6 (2.80~7.95)	6.6 (2.80~7.90)	6.4 (2.7~7.5)	6.6 (2.20~7.90)
COP	W/W	3.71	3.71	4.04	3.76	3.71
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
Outdoor sound power level	dB (A)	65	65	63	65	65
Outdoor unit dimensions (W*D*H)	mm	805x330x554				
Outdoor unit Packing dimensions (WxDxH)	mm	915x370x615				
Outdoor unit Net/Gross weight	KG	35/38				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	1.25				
Refrigerant pipe (Liquid side/ Gas side)	mm	2x6.35mm / 2x9.52mm				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

W×D×H: Width×Depth×Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS021D8S3-1				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x3)**	**Cassette 42QTD007D8SN (x3)**	**Ducted 42QSV007D8S (x3)**	**1Way Cassette 42QTS009D8S (x3)**	**Console 42QZY009D8S (x3)**
Cooling capacity	Btu/Hr	21000 (6800~22500)	21000 (6800~22500)	21150 (6800~22500)	21155 (9670~24500)	21000 (8500~24000)
Cooling Power Input	W	1905 (180~2200)	1905 (180~2200)	1620 (180~2200)	1600 (520~2070)	1900 (180~2000)
Cooling Current	A	8.3 (1.8~10)	8.3 (1.8~10)	8.0 (1.8~10)	7.1 (4.0~9.1)	8.5 (2~9)
EER	W/W	3.23	3.23	3.83	3.88	3.24
Heating capacity	Btu/Hr	22000 (6800~22800)	22000 (6800~22200)	22000 (6800~22200)	22178 (6400~23700)	21000 (5500~22500)
Heating Power Input	W	1738 (350~1800)	1738 (350~1800)	1560 (350~1800)	1520 (430~1660)	1660 (250~1750)
Heating Current	A	7.6 (2.6~8)	7.6 (2.6~8)	7.8 (2.6~8)	6.8 (3.2~7.4)	7.5 (1.5~8.5)
COP	W/W	3.71	3.71	4.13	4.28	3.71
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Outdoor sound power level	dB (A)		67	66	67	70
Outdoor unit dimensions (W*D*H)	mm	890*342*673				
Outdoor unit Packing dimensions (WxDxH)	mm	1030*438*750				
Outdoor unit Net/Gross weight	KG	43.3/47.1				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	1.5				
Refrigerant pipe (Liquid side/ Gas side)	mm	3x6.35mm (3x1/4in)/3x9.52mm (3x3/8in)				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

OUTDOOR MODEL		38QUS024D8S4				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S x4**	**Cassette 42QTD007D8SN (x4)**	**Ducted 42QSV007D8S (x4)**	**1Way Cassette 42QTS009D8S (x4)**	**Console 42QZY009D8S (x4)**
Cooling capacity	Btu/Hr	24000 (7200~28800)	24000 (7200~28800)	24000 (7200~28800)	24000 (8000~25000)	220-240V~ 50Hz, 1Ph
Cooling Power Input	W	1998 (300~3100)	2027 (304~3200)	2033 (305~3300)	2070 (500~2300)	24000 (7200~28800)
Cooling Current	A	8.9 (2.6~13.7)	9 (2.64~14.1)	9 (2.65~14.4)	9.5 (3.0~10.0)	1917 (288~3150)
EER	W/W	3.52	3.47	3.46	3.4	8.5 (2.5~13.9)
Heating capacity	Btu/Hr	25000 (7500~26200)	25000 (7500~26800)	24000 (7200~25000)	25000 (8000~25500)	3.67
Heating Power Input	W	1792 (269~2600)	1855 (278~2400)	1746 (262~2350)	1980 (500~2000)	24000 (7200~25000)
Heating Current	A	7.9 (2.34~11.3)	8.23 (2.42~10.7)	7.8 (2.28~10.6)	9.0 (4.0~9.5)	1750 (263~2350)
COP	W/W	4.09	3.95	4.03	3.7	7.8 (2.3~10.6)
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Outdoor sound power level	dB (A)	65	65	65	70	65
Outdoor unit dimensions (W*D*H)	mm	890x342x673				
Outdoor unit Packing dimensions (WxDxH)	mm	1030x438x750				
Outdoor unit Net/Gross weight	KG	48.2/52.4				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	2				
Refrigerant pipe (Liquid side/ Gas side)	mm	4x6.35mm (4x1/4in)/4x9.52mm (4x3/8in)				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

W×D×H: Width×Depth×Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS027D8S3-A				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x3)**	**Cassette 42QTD009D8SN (x3)**	**Ducted 42QSV009D8S (x3)**	**1Way Cassette 42QTS009D8S (x3)**	**Console 42QZY009D8S (x3)**
Cooling capacity	Btu/Hr	27000 (10330-29000)	27000 (6500-29000)	27000 (9800-28000)	26955 (10870-29400)	27000 (10500-30400)
Cooling Power Input	W	2450 (230-3250)	2450 (180-3250)	2450 (260-3200)	2400 (690-2940)	2450 (210-2960)
Cooling Current	A	11.2 (2.1-14.7)	11.2 (0.6-14.2)	11.2 (2.2-14.9)	10.6 (3.5-13.0)	11 (2.0-13.0)
EER	W/W	3.23	3.23	3.23	3.29	3.23
Heating capacity	Btu/Hr	27000 (7500-29000)	27000 (8000-30000)	28000 (7800-28500)	27296 (8730-29950)	28000 (7200-28900)
Heating Power Input	W	2210 (330-2960)	2135 (320-2850)	2000 (370-2600)	1970 (500-2710)	2210 (410-2330)
Heating Current	A	10.1 (2.6-13.5)	9.8 (0.9-12.5)	10.1 (1.1-12.5)	8.7 (2.8-12.0)	10 (3.5-10.5)
COP	W/W	3.71	3.71	4.1	4.06	3.71
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Outdoor sound power level	dB (A)	67	69	67	67	
Outdoor unit dimensions (W*D*H)	mm	890x342x673				
Outdoor unit Packing dimensions (WxDxH)	mm	1030x438x750				
Outdoor unit Net/Gross weight	KG	48/51.8				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	1.8				
Refrigerant pipe (Liquid side/ Gas side)	mm	3x6.35mm / 3x9.52mm				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

OUTDOOR MODEL		38QUS028D8S4				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x4)**	**Cassette 42QTD007D8SN (x4)**	**Ducted 42QSV009D8S (x3)**	**1Way Cassette 42QTS009D8S (x4)**	**Console 42QZY009D8S (x4)**
Cooling capacity	Btu/Hr	28000 (8500-35000)	28000 (8360-33000)	28000 (9713-33000)	28000 (3600-30000)	28000 (10500-38000)
Cooling Power Input	W	2540 (150-3340)	2540 (151-3465)	2350 (235-3389)	2250 (350-2580)	2540 (210-3450)
Cooling Current	A	10.9 (1.3-14.5)	13.0 (1.06-15.15)	13.0 (3.92-15.6)	10.5 (2.1-11.6)	12 (2.0-15.0)
EER	W/W	3.23	3.23	3.49	3.13	3.23
Heating capacity	Btu/Hr	30000 (5480-34600)	30000 (5261-39000)	30000 (7782-33500)	30000 (7000-33450)	28000 (8000-29100)
Heating Power Input	W	2369 (280-3200)	2370 (240-3000)	2370 (402-2850)	2580 (585-2900)	2210 (450-2700)
Heating Current	A	10.4 (1.98-14)	11.0 (1.75-13)	13.5 (4.43-13.5)	11.5 (3.0-12.8)	10 (4.0-12.0)
COP	W/W	3.71	3.71	3.71	3.41	3.71
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Outdoor sound power level	dB (A)	70	69	67	67	
Outdoor unit dimensions (W*D*H)	mm	946*410*810				
Outdoor unit Packing dimensions (WxDxH)	mm	1090*500*885				
Outdoor unit Net/Gross weight	KG	62.1/67.7				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	2.1				
Refrigerant pipe (Liquid side/ Gas side)	mm	4x6.35mm (4x1/4in)/3x9.52mm+1x12.7mm (3x3/8in+1x1/2in)				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

W×D×H: Width×Depth×Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS036D8S4-1				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x4)**	**Cassette 42QTD009D8SN (x4)**	**Ducted 42QSV009D8S (x4)**	**1Way Cassette 42QTS009D8S (x4)**	**Console 42QZY009D8S (x4)**
Cooling capacity	Btu/Hr	36000 (9342~38528)	35200 (7000~36000)	36000 (9300~36500)	35000 (5600~38000)	36000 (10500~38200)
Cooling Power Input	W	3270 (212~4125)	3520 (733~4396)	3500 (230~4200)	3650 (580~3960)	3266 (230~4285)
Cooling Current	A	15.0 (1.54~18.03)	15.7 (3.4~19.5)	16.8 (4.1~19)	16.0 (3.1~17.5)	14.5 (2.2~19)
EER	W/W	3.23	2.930832356	3.01	2.81	3.23
Heating capacity	Btu/Hr	36000 (12283~36969)	36000 (8000~38000)	38000 (12500~39000)	36000 (7400~39000)	36000 (11200~40800)
Heating Power Input	W	2845 (525~3684)	3200 (781~3978)	3000 (630~3900)	2900 (700~3300)	2844 (550~3850)
Heating Current	A	13.5 (2.62~16.12)	13.8 (3.6~18.2)	15 (4.9~17.5)	13.0 (3.5~14.5)	12.7 (4.9~17.0)
COP	W/W	3.71	3.30	3.71	3.64	3.71
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Twin-Rotary	Twin-Rotary	Twin-Rotary	Twin-Rotary	Twin-Rotary
Outdoor sound power level	dB (A)	70	70	68	70	70
Outdoor unit dimensions (W*D*H)	mm	946x410x810				
Outdoor unit Packing dimensions (WxDxH)	mm	1090x500x885				
Outdoor unit Net/Gross weight	KG	68.8/75.6				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	2.1				
Refrigerant pipe (Liquid side/ Gas side)	mm	4x6.35mm / 3x9.52mm + 1x12.7mm				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

OUTDOOR MODEL		38QUS042D8S5-1				
IDUS COMBINATION		**Hi-Wall 42QHG009D8S (x5)**	**Cassette 42QTD009D8SN (x5)**	**Ducted 42QSV009D8S (x5)**	**1Way Cassette 42QTS009D8S (x5)**	**Console 42QZY009D8S (x5)**
Cooling capacity	Btu/Hr	42000 (9000~42000)	42000 (9300~42000)	42000 (9300~42000)	42000 (5300~44000)	41300 (10800~46400)
Cooling Power Input	W	3800 (180~4600)	4421 (250~4650)	4100 (230~4650)	4200 (420~4700)	3747 (230~4650)
Cooling Current	A	17.3 (/~20)	19.7 (1.8~20.5)	17.8 (2.3~20.4)	18.6 (2.9~21.0)	16.6 (2.2~20.5)
EER	W/W	3.24	2.78	3.00	2.93	3.23
Heating capacity	Btu/Hr	42000 (12000~42000)	42000 (8250~42000)	42000 (13000~42000)	42000 (3080~44000)	41300 (11500~41300)
Heating Power Input	W	3300 (570~4300)	3500 (400~4000)	3300 (650~4000)	3570 (365~3960)	3433 (550~3850)
Heating Current	A	15 (2.7~/)	15.6 (2.4~17.5)	15.1 (3.6~17.4)	15.7 (2.2~17.5)	15.3 (4.9~17)
COP	W/W	3.73	3.52	3.73	3.45	3.5
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Compressor type		Twin-Rotary	Twin-Rotary	Twin-Rotary	Twin-Rotary	Twin-Rotary
Outdoor sound power level	dB (A)	70	71	69	70	70
Outdoor unit dimensions (W*D*H)	mm	946x410x810				
Outdoor unit Packing dimensions (WxDxH)	mm	1090x500x885				
Outdoor unit Net/Gross weight	KG	74.1/79.5				
Refrigerant Type		R32				
Refrigerant Charged quantity	KG	2.9				
Refrigerant pipe (Liquid side/ Gas side)	mm	5x6.35mm / 4x9.52mm + 1x12.7mm				
Temperature range cooling	℃	-15 to 50				
Temperature range heating	℃	-15 to 24				

W×D×H: Width×Depth×Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

INDOOR UNITS TECHNICAL CHARACTERISTICS

INDOOR UNIT - HIWALL			42QHG007D8S	42QHG009D8S	42QHG012D8S	42QHG018D8S	42QHG024D8S
Power supply		Ph-V-Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Cooling	Capacity	Btu/h	7000	9000	12000	18000	24000
	Input	W	30	23	23	36	68
	Current	A	0.14	0.11	0.11	0.15	0.28
Heating	Capacity	Btu/h	8000	10000	13000	19000	25000
	Input	W	30	23	23	34	62
	Current	A	0.14	0.11	0.11	0.15	0.28
Indoor noise level (H/M/L)		dB(A)	37/32/24	37/32/22	37/32/22	41/37/31	46/37/34.5
Indoor sound power level		dB(A)	54	54	56	56	62
Indoor air flow (H/M/L)		m3/h	430/330/280	520/460/330	530/400/350	800/600/500	1090/770/610
Indoor unit	Dimension (WxDxH)	mm	726x210x291	726x210x291	835x208x295	969x320x241	1083x336x244
	Packing (WxDxH)	mm	790x270x375	790x270x375	905x290x355	1045x405x315	1155x415x315
	Net/Gross weight	Kg	7.0/9.4	8/10.5	8.7/11.5	11.2/14.6	13.6/17.3
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52 mm(3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/Φ12.7 (1/2")	9.52mm (3/8 in)/Φ15.9 (5/8")
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Room temperature	Cooling	℃	16-32	16-32	16-32	17-32	17-32
	Heating	℃	0-30	0-30	0-30	0-30	0-30

INDOOR UNIT - CONSOLE			42QZY009D8S	42QZY012D8S	42QZY018D8S
Power supply		V- Ph-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Cooling	Capacity	Btu/h	9000	12000	17000
	Input	W	25	30	35
	Current	A	0.38	0.40	0.42
Heating	Capacity	Btu/h	10000	13000	18000
	Input	W	25	30	35
	Current	A	0.38	0.40	0.42
Indoor noise level (H/M/L)		dB(A)	37/34/27	37/34/23	41/38/32/26
Indoor sound power level		dB(A)	54	54	55
Indoor air flow (H/M/L)		m3/h	600/510/400	650/580/490	780/690/600
Indoor unit	Dimension (WxDxH)	mm	794x200x621	794x200x621	794x200x621
	Packing (WxDxH)	mm	865x280x719	865x280x719	865x280x719
	Net/Gross weight	Kg	14.9/18.8	14.9/18.8	14.9/18.8
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller
Room temperature	Cooling	℃	16-32	16-32	16-32
	Heating	℃	0-30	0-30	0-30

W×D×H: Width×Depth×Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

INDOOR UNITS TECHNICAL CHARACTERISTICS

INDOOR UNIT - CASSETTE			42QTD007D8SN	42QTD009D8SN	42QTD012D8SN	42QTD018D8SN	42QTD024D8SN
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	Btu/h	7000	9000	12000	18000	24000
	Input	W	25	25	40	45	64
	Rated current	A	0.6	0.6	0.7	0.75	0.51
Heating	Capacity	Btu/h	8000	10000	13000	19000	26000
	Input	W	25	25	40	45	64
	Rated current	A	0.6	0.6	0.7	0.75	0.51
Indoor noise level (H/M/L)		dB(A)	39/37/35	39/37/35	45/38/35	43/39.5/35.5	45/42.5/37/27.5
Indoor sound power level		dB(A)	55	55	58	60	59
Indoor air flow (H/M/L)		m3/h	580/500/300	580/500/300	620/520/300	660/540/300	1247/1118/992
Indoor unit	Dimension (WxDxH)	mm	570x570x245	570x570x245	570x570x245	570x570x245	830x830x205
	Packing (WxDxH)	mm	715x640x295	715x640x295	715x640x295	715x640x295	910x910x250
	Net/Gross weight (body)	kg	14.6/17.5	14.6/17.5	16.1/18.8	16.2/19	21.6/25.4
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Room temperature	Cooling	℃	16-32	16-32	16-32	16-32	16-32
	Heating	℃	0-30	0-30	0-30	0-30	0-30

INDOOR UNIT DUCTED			42QSV007D8S	42QSV009D8S	42QSV012D8S	42QSV018D8S	42QSV024D8S
Power supply		V- Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling	Capacity	Btu/h	7000	9000	12000	18000	24000
	Input	W	88	88	91	172	217
	Current	A	0.8	0.8	0.8	1.3	1.5
Heating	Capacity	Btu/h	8000	10000	13000	19000	26000
	Input	W	88	88	91	172	217
	current	A	0.8	0.8	0.8	1.3	1.5
Indoor noise level (H/M/L)		dB(A)	35/33/31	35/33/31	35/33/31	36.5/34/31	33.5/32.5/31
Indoor sound power level		dB(A)	54	54	52	53	56
Indoor air flow (H/M/L)		m3/h	620/540/450	620/540/450	660/570/470	900/780/650	1200/1000/700
Static pressure		Pa	25	25	25	25	25
Indoor unit	Dimension (WxDxH)	mm	700x506x200	700x506x200	700x506x200	700x750x245	1000x750x245
	Packing (WxDxH)	mm	860x540x285	860x540x285	860x540x285	925x850x298	1225x860x304
	Net/Gross weight	Kg	16.6/19.8	16.6/19.8	16.6/19.8	24.4/29	31.8/37.2
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Room temperature	Cooling	℃	16-32	16-32	16-32	16-32	16-32
	Heating	℃	0-30	0-30	0-30	0-30	0-30

W×D×H: Width × Depth × Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width × Depth × Height

INDOOR UNITS TECHNICAL CHARACTERISTICS

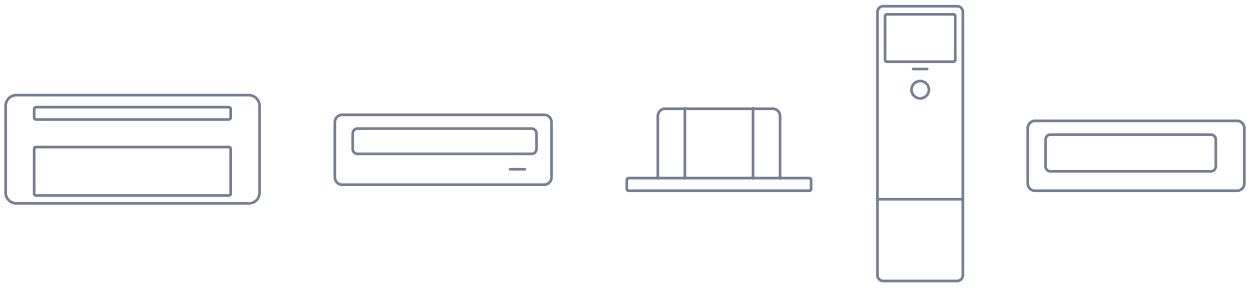
INDOOR UNIT ONE-WAY CASSETTE			42QTS009D8S	42QTS012D8S	42QTS018D8S	42QTS024D8S
Power supply		V- Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Input	W	50	50	80	80
	Current	A	0.15	0.30	0.40	0.40
Heating	Capacity	Btu/h	10000	12000	18000	24000
	Input	W	50	50	80	80
	Current	A	0.15	0.30	0.40	0.40
Indoor noise level (H/M/L)		dB(A)	42/37/34	44/39/34	45/41/35	45/42/37
Indoor sound power level		dB(A)	55	56	58	60
Indoor air flow (H/M/L)		m3/h	470/360/270	500/420/300	920/800/690	1000/870/730
Indoor unit	Dimension (WxDxH)	mm	880x450x130	880x450x130	1180x450x130	1180x450x130
	Packing (WxDxH)	mm	1115x555x240	1115x555x240	1415x555x240	1415x555x240
	Net/Gross weight	Kg	14.6/18.5	14.6/18.5	17.9/22.4	17.9/22.4
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	6.35mm (1/4 in)/12.7mm (1/2 in)
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Room temperature	Cooling	℃	16-32	16-32	16-32	16-32
	Heating	℃	0-30	0-30	0-30	0-30

W×D×H: Width × Depth × Height

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width × Depth × Height

LIGHT COMMERCIAL UNITS

Innovative & sustainable solutions in a full range of energy saving indoor units.



Light Commercial Solutions

Carrier provides sustainable heating and air-conditioning solutions and controls, as well as design, installation, and maintenance, for light commercial and commercial buildings.

ENERGY EFFICIENCY

The Inverter technology the systems use offers considerable advantages in terms of energy savings. The variable capacity management of the compressor allows the system to maintain room temperature control and to ensure minimum consumption.

EXTENDED RANGE OF SOLUTIONS

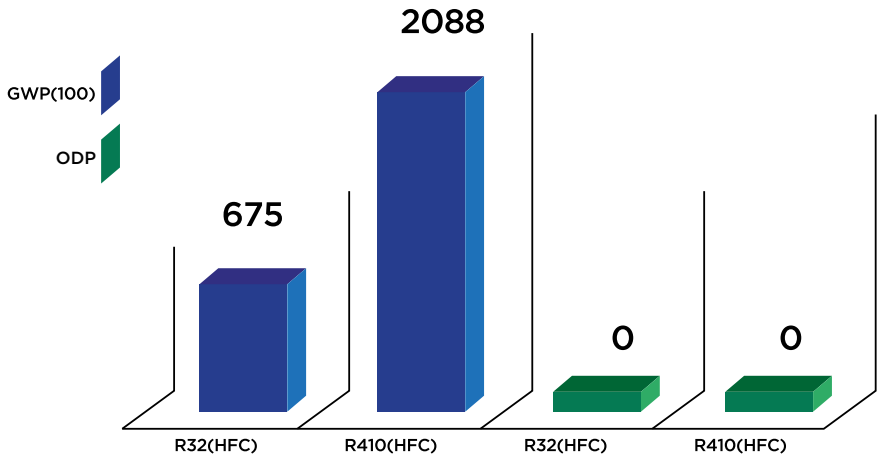
Carrier Light Commercial systems, with state-of-the-art technologies, flexible controls, variety of indoor units, wide range of capacities and improved installation, bring ultimate comfort and convenience to any light commercial installation.

OPERATIONS & MAINTENANCE

With superior quality and performance, the decision to partner with Carrier for light commercial solutions is an easy one. Our independent partners make installing and maintaining those solutions for optimal performance simple as well.

ENVIRONMENTAL FRIENDLY PRODUCT

R-32 refrigerant has GWP (Global warming potential) of 675 which is three times lower than R-410A (GWP 2088) and it is more energy efficient than R-410A.



DESIGNED FOR MAXIMUM
ENERGY SAVINGS AND COMFORT

Carrier air-conditioning units can provide heating and cooling in a wide range from -15 to +50°C.

They use ultra-quiet inverter compressors, operating at variable speeds, and achieving precise temperature control, greater energy savings up to 70% and powerful dehumidification.

The compressor speed modulates automatically, much like a car on cruise control, so the system isn't constantly running at maximum capacity and only consumes energy when it's needed.

The indoor and outdoor fans are also equipped with DC motors, further improving energy efficiency and are cost saving.

EFFICIENT AND RELIABLE SOLUTIONS
FOR ANY APPLICATION

Carrier provides sustainable solutions for light commercial buildings.

Carrier's DC Inverter technology significantly increases energy efficiency and performance for a wide operation range.

The unit is controlled electronically by a microprocessor that senses indoor and outdoor temperature to achieve maximum comfort and energy savings even in extreme ambient conditions.

As a result, you can be comfortable all day long without worrying about the energy consumption.

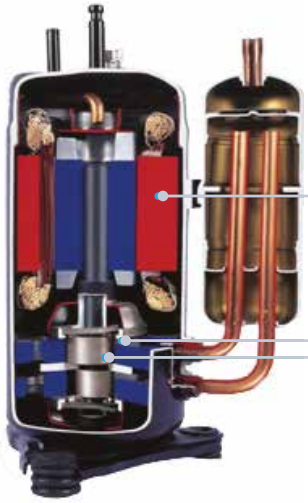
DC TWIN ROTARY
COMPRESSORS

All units between 36.000 to 60.000 BTU are equipped with state-of-the-art DC Twin-Rotary Compressors, which contribute to the system's high efficiency and reliability *(only for Specific Models)*.

The two-rotary compression cylinders, offset from each other by 180° and the DC brushless motor with the shaft in perfect balance, reduce vibration and noise even when operating at very low speeds.

This means that there is an extremely wide range between the minimum and maximum capacity, therefore the system is always optimized to provide maximum comfort with precise temperature control at extremely high efficiency levels.

COMPRESSOR (TWIN-ROTARY) STRUCTURE



Highly efficient DC motor:

- Creative motor core design
- Highly density neodymium magnet
- Concentrated type stator
- Wider operating frequency range

Better balance and extremely low vibration:

- Twin eccentric cams
- 2 balance weights

Highly stable moving parts:

- Optimal material matching rollers and vanes
- Optimize compressor drive technology
- Highly robust bearings
- Compact structure

ADVANCED **ELECTRONIC MANAGEMENT**

Two distinct electronic management logics optimize operation to offer comfort with minimum energy consumption.

- Pulse Amplitude Modulation (PAM) of direct current to generate maximum power for the compressor at start-up and in peak load conditions.
- Pulse Width Modulation (PWM) of direct current optimizes compressor efficiency once the preset temperature has been reached, ensuring optimum performance while saving energy.

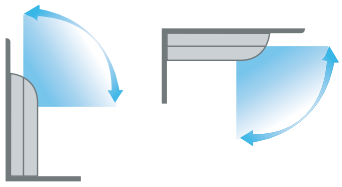
Several sensors placed in key positions on the refrigerant circuit electronically detect the operational state of the system.

A micro controller unit receives the inputs from the sensors, elaborates them using advanced algorithms and optimizes the refrigerant flow and the operation of the compressor, the fan motors and the pulse modulation valve.

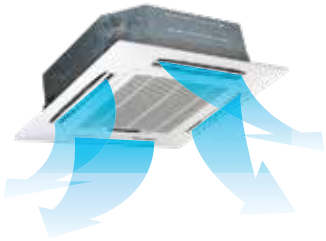
FLEXIBLE AND EASY INSTALLATION
FOR ALL APPLICATIONS

Carrier understands the importance of correct installation, easily performed. Our units incorporate advanced features to reduce installation time and make it more flexible.

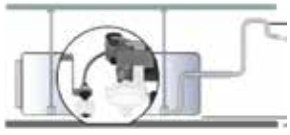
Carrier units have been designed to match all project requirements, with features that make installation more flexible to any given space.



The unit can be installed either horizontally on the ceiling or vertically against the wall.



360° Airflow



Low profile units: The new ducted units have the lowest height design in the industry (down to 210mm), to fit in low-ceiling installations.

Fresh air Intake ports: A ventilation motor can be installed in the fresh-air duct, connected to the ventilation connector, and work with the indoor fan to increase the volume of fresh air.

Floor & ceiling installation: Console units can be seamlessly installed on the floor or on the ceiling, according to your needs.

360° airflow: Cassette sizes from 24.000 to 60.000 BTU can distribute airflow evenly to all directions, without “blind-spots”, achieving equal temperature across the room.

Reserved air outlet for duct: A reserved outlet on the side of the indoor unit allows the connection of an air duct to provide air conditioning to nearby rooms from a single unit.

Pipping: The indoor units offer connections for pipes coming from any direction, simple wiring and built-in drain pumps (optional) and reserved slots for fresh air intake. The outdoor units can support piping length up to 65 meters with height difference up to 30 meters.

Reserved dry contact ports: Reserved ports are available as an option for long distance ON/OFF remote control by connecting to a switch and providing an alarm signal for external alarm light or vibration gauge.

Built-in drain pump: The built-in drain pump is capable of lifting condensing water up to 750mm. It can be easily installed at the designated compartment within the Carrier Concealed Duct unit (optional).

Easy access: You can easily access the internal components of the units simply by removing the front panels.

Complete
Control solutions

Carrier units can be easily controlled through their remote control, that displays all functions on its backlight, LCD display.

Ducted units come with a wired control with big LCD display, which is also available for all units.

Additionally, there is an optional wired control with modern design and big LCD display.

WIRELESS REMOTE CONTROL RG10

WIRED CONTROLLER KJR-120N
(With Built in Wi-Fi)

WIRED CONTROLLER KJR-120K

Innovative **Features**

Carrier products conform to the highest quality standards and maximize comfort with functions and modes specially designed to cover all your needs.

Moreover, Carrier air-conditioning units are equipped with additional functions to further increase energy savings without sacrificing comfort!

AIR QUALITY

FRESH AIR INTAKE PORTS

A ventilation motor can be installed in the fresh-air duct, connected to the ventilation connector, and work with the indoor fan to increase the volume of fresh air.

SELF-CLEANING

After the air-condition is switched off, the indoor unit will continue operating in dry mode for a few minutes, to clean and dry out the indoor evaporator and prevent the formation of mold.

DRY MODE

In this mode, priority is given to dehumidifying the air. Low fan speed and compressor cycling is used to achieve this and regulate room temperature.

INSTALLATION FLEXIBILITY

AUTO-DEFROSTING

This function will protect the outdoor unit and evaporator from ice formation and will maintain dehumidifying effect under extremely low ambient temperature.

AUTO-RESTART

The unit restarts automatically after a power failure, keeping all previous settings.

RELIABILITY

ELECTRICAL VOLTAGE PROTECTION

The unit is designed to operate when the voltage is less than or greater than 230V.

Specifically, the air conditioner can be operated at a voltage of 168 to 264V, thus providing protection against voltage fluctuations within these limits.

BUILD-IN DRAIN PUMP

The Built-in drain pump is capable of lifting condensing water up to 750mm.

COMFORT

WI-FI ACTIVE *Available with wired remote control

You can remotely control your AC from anywhere.
This function does not require any additional equipment.

8°C HEATING FUNCTION

You can activate this function through the remote control, so that the air-condition automatically starts heating mode when it detects temperature below 8°C, to prevent the room from freezing when it is unoccupied for a long period in severe cold weather.

360° AIRFLOW

Cassette sizes from 24.000 to 60.000 BTU can distribute airflow evenly to all directions, without “blind-spots”, achieving equal temperature across the room.

AUTO-SWING

You can select the louvers to move automatically or choose the exact airflow direction using the remote control, as the unit is equipped with motorized air-louvers.

TURBO MODE

This function will be helpful to cool or heat your room quickly and effectively by operating at the maximum fan speed for 30 minutes.

AUTO ADJUST EXTERNAL STATIC PRESSURE

With automatic airflow adjustment function, the unit can adapt its fan speed to a lower or higher curve, to decrease or increase airflow depending on resistance.

TIMER

You can program the unit to operate during specific hours, in the desired mode and temperature settings.

ENERGY SAVING

DC INVERTER

The outdoor unit is also equipped with DC inverter technology compressor and fan motor. With DC inverter motors the unit achieves maximum performance and energy efficiency.

DC TWIN ROTARY COMPRESSORS

Units from 36.000 to 60.000 BTU are equipped with DC Twin-Rotary compressors, which contribute to the system’s high performance and reliability.

The two-rotary compression cylinders, offset from each other by 180° and a DC brushless motor with the shaft in perfect balance, ensure reduced vibrations and lower noise levels even when operating at very low speeds.

They have an extremely wide range between the minimum and maximum capacity; therefore the system is always optimized to provide maximum comfort with extremely high efficiency levels.

SLEEP MODE

This mode saves energy and improves nighttime comfort.

The set temperature will increase by 1°C per hour in cooling mode or decrease by 1°C per hour in heating mode, for the first 2 hours of operation.

Thereafter the unit will retain the new temperature for 5 hours after which it will switch off automatically!

INVERTER
UNDER-CEILING/FLOOR

42QZL

Fresh Air Inlet

Dry Mode

Auto Leak Detection

Flexibility & comfort

This unit is characterized by its each installation flexibility, as it can be installed either on the floor or on the ceiling. Moreover, the connection pipe can be put into the unit from bottom, side or rear, which makes installation much easier. Additionally, both right side and left side drainage holes are available to avoid the space limitation for drainage pipe installation.

Installation Flexibility
Floor or Ceiling mounted

FEATURES

- 3D Airflow Louver
- Built-in Drain Pump only for horizontal installation (optional)
- Auto Leak Detection
- Auto Defrost
- Auto-Swing
- Auto-Restart
- Timer
- Turbo Mode
- Sleep Mode
- Dry Mode
- Louver Function / Horizontally
- Eurovent Certification
- Cold Draft Prevention
- Electrical Voltage Protection
- Bright LCD Screen Remote Control
- Wire Control
- Wi-Fi Active (Optional)

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QZL018D8S-2 38QUS018D8S-1	42QZL024D8S 38QUS024D8SX	42QZL036D8S 38QUS036D8S
Rated Cooling Capacity		KW	5.27 (2.71~5.86)	7.03 (3.22~7.94)	10.55 (2.72~11.43)
Rated Cooling Capacity		Btu/h	18000 (9250~20000)	24000 (10990~27100)	36000 (9300~39000)
Cooling Power input		KW	1.45 (0.67~2.027)	2.3 (0.75~2.73)	3.9 (0.9~4.25)
EER		W/W	3.64	3.06	2.71
Rated Heating Capacity		KW	5.57 (2.42~6.3)	7.62 (2.72~8.49)	11.72 (2.81~12.78)
Rated Heating Capacity		Btu/h	19000 (8250~21500)	26000 (9280~29000)	40000 (9600~43600)
Heating Power input		KW	1.5 (0.54~1.64)	1.98 (0.65~2.94)	3.35 (0.80~3.95)
COP		w/w	3.71	3.85	3.50
Power supply		V-Ph-Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz
INDOOR UNIT			**42QZL018D8S-2**	**42QZL024D8S**	**42QZL036D8S**
Indoor air flow (H/M/L)		m3/h	958/839/723	1192/1023/853	1955/1728/1504
Indoor noise level (H/M/L/S)		dB(A)	44/41/37/24	49.5/45.5/36.5/22.5	51.5/48/45/39
Dimension (W*D*H)		mm	1068x675x235	1068x675x235	1650x675x235
Packing Dimension (W*D*H)		mm	1145x755x318	1145x755x318	1725x755x318
Net/Gross weight		Kg	28/33.3	28/33.1	41.5/48
OUTDOOR UNIT			**38QUS018D8S-1**	**38QUS024D8SX**	**38QUS036D8S**
Airflow		m3/h	2100	3500	4000
Outdoor sound power level		dB(A)	65	69	70
Dimension (W*D*H)		mm	805x330x554	890x342x673	946x410x810
Packing Dimension (W*D*H)		mm	915x370x615	995x398x740	1090x500x885
Net/Gross weight		Kg	32.5/35.2	41.9/45.2	66.9/71.5
Compressor			Inverter Rotary	Inverter Rotary	Inverter Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	1.15	1.4	2.4
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	30	50	75
	Max. height difference	m	20	25	30
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	17～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/heating)	℃	-15～50/-15～24	-15～50/-20～24	-15～50/-20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QZL036D8S 38QUS036D8T	42QZL048D8S 38QUS048D8TX	42QZL060D8S 38QUS060D8TX
Rated Cooling Capacity		KW	10.55 (2.72~11.78)	14.07 (3.51~15.24)	15.24 (4.1~16.12)
Rated Cooling Capacity		Btu/h	36000 (9300~40200)	48000 (12000~52000)	52000 (14000~55000)
Cooling Power input		KW	4.0 (0.89~4.3)	5.0 (0.91~6.2)	5.9 (1.1~6.5)
EER		W/W	2.64	2.81	2.58
Rated Heating Capacity		KW	11.72 (2.78~12.78)	16.12 (4.10~17.58)	18.17 (4.39~19.34)
Rated Heating Capacity		Btu/h	40000 (9500~43600)	55000 (14000~60000)	62000 (15000~66000)
Heating Power input		KW	3.35 (0.78~3.95)	4.8 (0.95~5.95)	5.95 (1.12~6.35)
COP		w/w	3.50	3.36	3.05
Power supply		V-Ph-Hz	380-415V~,3Ph, 50Hz	380-415V~,3Ph, 50Hz	380-415V~,3Ph, 50Hz
INDOOR UNIT			**42QZL036D8S**	**42QZL048D8S**	**42QZL060D8S**
Indoor air flow (H/M/L)		m3/h	1955/1728/1504	2100/1850/1600	2200/1950/1650
Indoor noise level (H/M/L/S)		dB(A)	51/47.5/45/37	51/49/43/35	53/50/42/36
Dimension (W*D*H)		mm	1650x675x235	1650x675x235	1650x675x235
Packing Dimension (W*D*H)		mm	1725x755x318	1725x755x318	1725x755x318
Net/Gross weight		Kg	41.5/48	41.7/48.5	42.3/49.2
OUTDOOR UNIT			**38QUS036D8T**	**38QUS048D8TX**	**38QUS060D8TX**
Airflow		m3/h	4000	5600	5600
Outdoor sound power level		dB(A)	70	73	75
Dimension (W*D*H)		mm	946x410x810	980x415x975	980x415x975
Packing Dimension (W*D*H)		mm	1090x500x885	1145x500x1080	1145x500x1080
Net/Gross weight		Kg	75.5/80	90/105	92/107
Compressor			Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	2.4	2.9	3.2
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm (3/8 in)/15.9mm (5/8 in)	9.52mm (3/8 in)/15.9mm (5/8 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	75	75	75
	Max. height difference	m	30	30	30
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	17～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/heating)	℃	-15～50/-15～24	-15～50/-20～24	-15～50/-20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

INVERTER CASSETTE

42QTD

Fresh air inlet

360° airflow

TURBO

Turbo Mode

Maximum power, compact design

By packing maximum cooling capacity into the smallest possible dimension, Carrier Cassette is designed to cool /heat all spaces, big or small. With the 360° Airflow Panel, air is circulated throughout the whole space, offering optimum temperature distribution. Everyone's comfort is taken care of as each louver can be individually controlled. The unit comes with standard built-in drain pump for your convenience. It can lift condensing water up to 750mm. The drain pump is now easily accessible with new, improved design enabling hassle free and shorter time during maintenance. Additionally, reserved ports are available for long distance ON/ OFF remote control by connecting to a switch, and providing an alarm signal for external alarm light or vibration gauge.

FEATURES

- DC Twin Rotary Compressor *For models 36k and above
- 360° Airflow
- Auto Leak Detection
- Auto Defrost
- Auto-Swing
- Auto-Restart
- Turbo Mode
- Sleep Mode
- Dry Mode
- Fresh Air Inlet
- Timer
- Cold Draft Prevention
- Electrical Voltage Protection
- Wired Remote Control (Optional)
- Wi-Fi Active (Optional)
- Eurovent Certification
- Louver Function / Horizontally

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QTD012D8S-2 38QUS012D8S-1	42QTD018D8S-3 38QUS018D8S-1	42QTD024D8S 38QUS024D8SX
Rated Cooling Capacity		KW	3.51 (0.85~4.16)	5.27 (2.9~5.86)	7.01 (3.29~7.91)
Rated Cooling Capacity		Btu/h	12000 (2900~14200)	18000 (9900~20000)	24000 (11250~27000)
Cooling Power input		KW	1.015 (0.16~1.45)	1.55 (0.72~2.04)	2.32 (0.780~2750)
EER		W/W	3.47	3.40	3.03
Rated Heating Capacity		KW	3.8 (0.47~4.34)	5.57 (2.34~6.3)	7.62 (2.78~8.50)
Rated Heating Capacity		Btu/h	13000 (1600~14800)	19000 (8100~21500)	26000 (9500~29000)
Heating Power input		KW	1.02 (0.125~1.39)	1.56 (0.7~1.95)	1.9 (0.61~2.3)
COP		w/w	3.74	3.57	4.01
Power supply		V-Ph-Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz
INDOOR UNIT			**42QTD012D8S-2**	**42QTD018D8S-3**	**42QTD024D8S**
Indoor air flow (H/M/L)		m3/h	620/520/330	660/540/300	1247/1118/992
Indoor noise level (H/M/L/S)		dB(A)	42/38.5/31.5/25.5	44/41/31.5/25	45/42.5/37/27.5
Dimension (W*D*H)		mm	570x570x245	570x570x245	830x830x205
Packing Dimension (W*D*H)		mm	715x640x295	715x640x295	910x910x250
Net/Gross weight		Kg	16.1/18.8	16.2/19	21.6/25.4
OUTDOOR UNIT			**38QUS012D8S-1**	**38QUS018D8S-1**	**38QUS024D8SX**
Airflow		m3/h	2200	2100	3500
Outdoor sound power level		dB(A)	62	65	68
Dimension (W*D*H)		mm	765x303x555	805x330x554	890x342x673
Packing Dimension (W*D*H)		mm	887x337x610	915x370x615	995x398x740
Net/Gross weight		Kg	26.6/29	32.5/35.2	41.9/45.2
Compressor			Inverter Rotary	Inverter Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	0.71	1.15	1.4
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	25	30	50
	Max. height difference	m	10	20	25
Thermostat type			Wired/Wireless Controller	Wired/Wireless Controller	Wired/Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/heating)	℃	-15～50/-20～24	-15～50/-20～24	-15～50/-20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QTD030D8S 38QUS030D8SX	42QTD036D8S 38QUS036D8S	42QTD042D8S 38QUS042D8S
Rated Cooling Capacity		KW	8.79 (2.22~9.38)	10.55 (2.69~11.43)	12.10 (2.93~12.30)
Rated Cooling Capacity		Btu/h	30000 (7600~32000)	36000 (9200~39000)	41300 (10000~42000)
Cooling Power input		KW	2750 (190~3000)	3950 (900~4200)	4200 (680~4350)
EER		W/W	3.20	2.67	2.86
Rated Heating Capacity		KW	9.38 (2.68~9.73)	11.14 (2.78~12.66)	13.48 (3.37~14.06)
Rated Heating Capacity		Btu/h	32000 (9200~33200)	38000 (9500~43200)	46000 (11500~48000)
Heating Power input		KW	2.45 (0.43~2.55)	3 (0.8~3.95)	3.7 (0.75~4.25)
COP		w/w	3.83	3.71	3.64
Power supply		V-Ph-Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz
INDOOR UNIT			**42QTD030D8S**	**42QTD036D8S**	**42QTD042D8S**
Indoor air flow (H/M/L)		m3/h	1700/1530/1300	1700/1530/1300	1900/1750/1600
Indoor noise level (H/M/L/S)		dB(A)	50.5/48/46/40	51/48/46/40	52.5/50/47.5/40
Dimension (W*D*H)		mm	830x830x245	830x830x245	830x830x287
Packing Dimension (W*D*H)		mm	910x910x290	910x910x290	910x910x330
Net /Gross weight		Kg	24.6/28.6	27.2/31.2	29.333.5
OUTDOOR UNIT			**38QUS030D8SX**	**38QUS036D8S**	**38QUS042D8S**
Airflow		m3/h	3800	4000	4000
Outdoor sound power level		dB(A)	70	70	72
Dimension (W*D*H)		mm	946x410x810	946x410x810	946x410x810
Packing Dimension (W*D*H)		mm	1090x500x885	1090x500x885	1090x500x885
Net /Gross weight		Kg	51/55.7	66.9/71.5	71/75
Compressor			Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	1.8	2.4	2.8
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	50	75	75
	Max. height difference	m	25	30	30
Thermostat type			Wired/Wireless Controller	Wired/Wireless Controller	Wired/Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/heating)	℃	-15～50/-20～24	-15～50/-15～24	-15～50/-20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

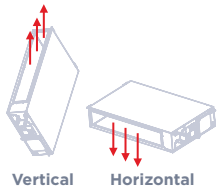
TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QTD036D8S 38QUS036D8T	42QTD048D8S 38QUS048D8TX	42QTD060D8S 38QUS060D8TX
Rated Cooling Capacity		KW	10.55 (2.69~11.43)	14.06 (3.51~15.82)	15.23 (4.1~16.12)
Rated Cooling Capacity		Btu/h	36000 (9200~39000)	48000 (12000~54000)	52000 (14000~55000)
Cooling Power input		KW	4000 (890~4150)	4980 (810~6350)	5700 (1000~6250)
EER		W/W	2.64	2.82	2.67
Rated Heating Capacity		KW	11.14 (2.78~12.66)	16.12 (4.10~17.29)	18.17 (4.39~19.04)
Rated Heating Capacity		Btu/h	38000 (9500~42000)	55000 (14000~59000)	62000 (15000~65000)
Heating Power input		KW	3 (0.78~4.00)	4.58 (0.91~5.9)	5.7 (1.02~6.35)
COP		w/w	3.71	3.52	3.19
Power supply		V-Ph-Hz	220-240V~,1Ph, 50Hz	380-415V~,3Ph, 50Hz	380-415V~,3Ph, 50Hz
INDOOR UNIT			**42QTD036D8S**	**42QTD048D8S**	**42QTD060D8S**
Indoor air flow (H/M/L)		m^3/h	1700/1530/1300	1900/1750/1600	2000/1850/1650
Indoor noise level (H/M/L/S)		dB(A)	51.0/49.0/46.0/39.0	51.5/49.0/46.5/38.5	53/50.5/45.5/40
Dimension (W*D*H)		mm	830x830x245	830x830x287	830x830x287
Packing Dimension (W*D*H)		mm	910x910x290	910x910x330	910x910x330
Net/Gross weight		Kg	27.2/31.2	29.3/33.5	29.3/33.5
OUTDOOR UNIT			**38QUS036D8T**	**38QUS048D8TX**	**38QUS060D8TX**
Airflow		m^3/h	4000	5600	5600
Outdoor sound power level		dB(A)	70	73	75
Dimension (W*D*H)		mm	946x410x810	980x415x975	980x415x975
Packing Dimension (W*D*H)		mm	1090x500x885	1145x500x1080	1145x500x1080
Net/Gross weight		Kg	75.5/80	90/105	92/107
Compressor			Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	2.4	2.9	3.2
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	75	75	75
	Max. height difference	m	30	30	30
Thermostat type			Wired/Wireless Controller	Wired/Wireless Controller	Wired/Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/heating)	℃	-15～50/-15～24	-15～50/-15～24	-15～50/-20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

INVERTER DUCTED

42QSV



Elegance & comfort for lower - ceiling installations

Carrier New Duct unit has smaller & lighter design with maximum volume reduction of 20% and maximum weight reduction of 20%, suitable for low - ceiling installations. Moreover, the unit is designed with improved ESP from 100 to 160 Pa, suitable for short or long duct, with or without dampers. Equipped with constant air volume control technology, Carrier Concealed Duct automatically adjusts the static pressure to deliver constant air volume for optimal occupants' comfort. Moreover, reserved ports are available for long distance ON/OFF remote control by connecting to a switch, and providing an alarm signal for external alarm light or vibration gauge.

FEATURES

- DC Twin Rotary Compressor
- Built-in Drain Pump only for horizontal installation (optional)
- Auto Defrost
- Electrical Voltage Protection
- Auto-Restart Function
- Eurovent Certification
- Wired Remote Control
- Wi-Fi Active
- Advance Electronic Management
- Real-time Constant Air Volume
- Slimmer Sizes
- BMS Connectivity - BACnet, LonWorks, Modbus
- Great Cooling Performance

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QSV012D8S 38QUS012D8S-1	42QSV018D8S 38QUS018D8S-1	42QSV024D8S 38QUS024D8SX
Rated Cooling Capacity		KW	3.51 (0.53~3.9)	5.27 (1.32~6.15)	7.09 (3.22~7.91)
Rated Cooling Capacity		Btu/h	12000	18000	24200
Cooling Power input		KW	1.16 (0.15~1.46)	1.59 (0.36~2.13)	2.28 (0.75~2.86)
EER		W/W	3.02	3.32	3.11
Rated Heating Capacity		KW	3.81 (0.97~4.47)	6 (1.49~6.3)	7.97 (2.78~8.56)
Rated Heating Capacity		Btu/h	13000	20500	27200
Heating Power input		KW	1.28 (0.3~1.42)	1.61 (0.50~1.85)	2.0 (0.64~2.50)
COP		w/w	2.97	3.72	3.99
Power supply		V-Ph-Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz
INDOOR UNIT			**42QSV012D8S**	**42QSV018D8S**	**42QSV024D8S**
Indoor air flow (H/M/L)		m3/h	660/570/470	900/780/650	1200/1000/700
Indoor noise level (H/M/L/S)		dB(A)	35/33/31/26	36.5/34/31//	33.5/32.5/31//
Dimension (W*D*H)		mm	700x450x200	700x750x245	1000x750x245
Packing Dimension (W*D*H)		mm	860x540x285	925x850x298	1225x860x304
Net/Gross weight		Kg	16.6/19.8	24.4/29	31.8/37.2
OUTDOOR UNIT			**38QUS012D8S-1**	**38QUS018D8S-1**	**38QUS024D8SX**
Airflow		m3/h	2200	2100	3500
Outdoor sound power level		dB(A)	62	62	69
Dimension (W*D*H)		mm	765x303x555	805x330x554	890x342x673
Packing Dimension (W*D*H)		mm	887x337x610	915X370X615	995X398X740
Net/Gross weight		Kg	26.6/29	32.5/35.2	41.9/45.2
Compressor			Inverter Rotary	Inverter Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	0.71	1.15	1.4
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	25	30	50
	Max. height difference	m	10	20	25
Thermostat type			Wired Controller	Wired Controller	Wired Controller
Operation range	Indoor (cooling/ heating)	℃	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor (cooling/heating)	℃	-15~50/-20~24	-15~50/-20~24	-15~50/-20~24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QSV030D8S 38QUS030D8SX	42QSV036D8S 38QUS036D8S	42QSV042D8S 38QUS042D8S
Rated Cooling Capacity		KW	8.79 (2.23~9.96)	10.55 (2.75~11.72)	12.10 (2.93~12.31)
Rated Cooling Capacity		Btu/h	30000	36000	41300
Cooling Power input		KW	2.8 (0.19~3.45)	3.95 (0.9~4300)	4000 (680~4500)
EER		W/W	3.14	2.67	3.03
Rated Heating Capacity		KW	9.38 (2.69~9.99)	11.72 (2.78~12.6)	13.48 (3.37~14.06)
Rated Heating Capacity		Btu/h	32000	40000	46000
Heating Power input		KW	2.4 (0.43~2.55)	3.25 (0.80~3.95)	3.55 (0.75~4.1)
COP		w/w	3.91	3.61	3.80
Power supply		V-Ph-Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz	220-240V~,1Ph, 50Hz
INDOOR UNIT			**42QSV030D8S**	**42QSV036D8S**	**42QSV042D8S**
Indoor air flow (H/M/L)		m3/h	1500/1200/900	1700/1400/1100	2000/1700/1300
Indoor noise level (H/M/L/S)		dB(A)	39/37/35/30	38/36/33//	39/37/35.5/33
Dimension (W*D*H)		mm	1000x750x245	1200x750x245	1200x750x245
Packing Dimension (W*D*H)		mm	1225x860x304	1425x860x304	1425x860x304
Net/Gross weight		Kg	32.7/38.3	38.4/44.4	40.6/46.1
OUTDOOR UNIT			**38QUS030D8SX**	**38QUS036D8S**	**38QUS042D8S**
Airflow		m3/h	3800	4000	4000
Outdoor sound power level		dB(A)	70	70	72
Dimension (W*D*H)		mm	946x410x810	946x410x810	946x410x810
Packing Dimension (W*D*H)		mm	1090X500X885	1090X500X885	1090x500x885
Net/Gross weight		Kg	51/55.7	66.9/71.5	71.0/75.0
Compressor			Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	1.8	2.4	2.8
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	50	75	75
	Max. height difference	m	25	30	30
Thermostat type			Wired Controller	Wired Controller	Wired Controller
Operation range	Indoor (cooling/ heating)	℃	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor (cooling/heating)	℃	-15~50/-20~24	-15~50/-20~24	-15~50/-20~24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QSV036D8S 38QUS036D8T	42QSV048D8S 38QUS048D8TX	42QSV060D8S 38QUS060D8TX
Rated Cooling Capacity		KW	10.55 (2.72~11.72)	14.07 (3.51~15.82)	15.24 (4.1~17.29)
Rated Cooling Capacity		Btu/h	36000	48000	52000
Cooling Power input		KW	3900 (890~4200)	4500 (810~6450)	5250 (1030~6650)
EER		W/W	2.71	3.13	2.90
Rated Heating Capacity		KW	11.72 (2.78~12.84)	16.11 (4.1~17.58)	18.17 (4.39~20.51)
Rated Heating Capacity		Btu/h	40000	55000	62000
Heating Power input		KW	3.3 (0.78~4.00)	4.6 (0.95~5.80)	5.15 (0.95~6.60)
COP		w/w	3.55	3.50	3.53
Power supply		V-Ph-Hz	220-240V~,3Ph, 50Hz	380-415V~3Ph, 50Hz	380-415V~3Ph, 50Hz
INDOOR UNIT			**42QSV036D8S**	**42QSV048D8S**	**42QSV060D8S**
Indoor air flow (H/M/L)		m^3/h	1700/1400/1100	2000/1700/1300	2200/1900/1500
Indoor noise level (H/M/L/S)		dB(A)	39/37/34/29	43.5/41.5/39.5//	44.5/43/41.5//
Dimension (W*D*H)		mm	1200x750x245	1200x750x245	1200x750x300
Packing Dimension (W*D*H)		mm	1425x860x304	1425x860x304	1425x860x359
Net/Gross weight		Kg	38.4/44.4	40.4/46.8	42.9/49.1
OUTDOOR UNIT			**38QUS036D8T**	**38QUS048D8TX**	**38QUS060D8TX**
Airflow		m^3/h	4000	5600	5600
Outdoor sound power level		dB(A)	70	73	74
Dimension (W*D*H)		mm	946x410x810	980x415x975	980x415x975
Packing Dimension (W*D*H)		mm	1090x500x885	1145x500x1080	1145x500x1080
Net/Gross weight		Kg	75.5/80	90/105	92/107
Compressor			Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	2.4	2.9	3.2
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/9.52mm (3/8 in)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	75	75	75
	Max. height difference	m	30	30	30
Thermostat type			Wired Controller	Wired Controller	Wired Controller
Operation range	Indoor (cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/ heating)	℃	-15～50/-20～24	-15～50/-20～24	-15～50/-20～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

INVERTER
FLOOR STANDING

◂ 24k

◂ 36K, 48k

◂ 60k

42QFD

Auto Leak Detection

Dry Mode

TURBO

Turbo Mode

Flexible, functional & reliable

Carrier Floor Standing unit adopts simple design that complements any interior design style, in addition to keeping you cool and comfortable. A large LCD display is integrated for easy operation. You can view the key indicators at one glance and make adjustment easily via buttons lined up. The air outlet louver closes automatically to keep dust away when the unit is turned off, minimizing maintenance and cleaning required. In the case of abnormal operation, the auto protection system will shut down the unit automatically to avoid any risk and prevent further deterioration. The error code showed on the display enables engineers to identify the problem quickly, according to maintenance book.

FEATURES

- 3D Airflow Louvers
- Auto Mode
- VLED Display Panel
- Auto Leak Detection
- Auto Defrost
- Auto-Swing
- Auto-Restart
- Lock Function
- Timer
- Turbo Mode
- Sleep Mode
- Dry Mode
- My Mode
- Cold Draft Prevention
- Electrical Voltage Protection
- Remote Control
- Wi-Fi Active
- Eurovent Certification

TECHNICAL CHARACTERISTICS

INDOOR UNIT			42QFL024D8S	42QFP036D8SJ	42QFM048D8S	42QFM060D8S
OUTDOOR UNIT			38QUS024D8SF	38QFP036D8SJ	38QUS048D8TX	38QUS060D8TX
Rated Cooling Capacity		KW	7.18 (2.11-8.20)	10.37 (2.93-12.30)	14.06 (3.51-15.24)	15.24 (4.1-16.11)
Rated Cooling Capacity		Btu/h	24500 (7200-28000)	35400 (10000-42000)	48000 (12000-52000)	52000 (14000-55000)
Cooling Power input		KW	2.1 (0.2-2.919)	3.8 (0.68-4.6)	5.0 (0.91-6.5)	6.0 (1.0-7.2)
EER		W/W	3.42	2.74	2.81	2.54
Rated Heating Capacity		KW	8.05 (1.76-9.67)	10.99 (3.37-13.77)	15.53 (4.10-17.58)	18.17 (4.39-18.75)
Rated Heating Capacity		Btu/h	27500 (6000-33000)	37500 (11500-47000)	53000 (14000-60000)	62000 (15000-64000)
Heating Power input		KW	2.15 (0.25-2.92)	3.1 (0.75-4.4)	4.5 (0.95-7.2)	5.6 (1.02-7.2)
COP		w/w	3.75	3.50	3.45	3.24
Power supply		V-Ph-Hz	220-240V~1Ph, 50Hz	220-240V~1Ph, 50Hz	380-415V~3Ph, 50Hz	380-415V~3Ph, 50Hz
INDOOR UNIT			**42QFL024D8S**	**42QFP036D8SJ**	**42QFM048D8S**	**42QFM060D8S**
Indoor air flow (H/M/L)		m3/h	1400/1200/800	1900/1750/1550	2080/1910/1745	1950/1750/1600
Indoor noise level (H/M/L/S)		dB(A)	44/40/38/31	52/49/46/40	51/48.5/46.5/38	53/50.5/45.5/40
Dimension (W*D*H)		mm	380x392x1802	585x405x1830	600x455x1934	600x455x1934
Packing Dimension (W*D*H)		mm	2040x475x490	2060x750x550	2080x755x585	2080x755x585
Net/Gross weight		Kg	25.1/33.6	49.75/61.89	58.6/77.5	61.4/80.0
OUTDOOR UNIT			**38QUS024D8SF**	**38QFP036D8SJ**	**38QUS048D8TX**	**38QUS060D8TX**
Airflow		m3/h	3500	5100	5600	5600
Outdoor sound power level		dB(A)	70	73	72	73
Dimension (W*D*H)		mm	890x342x673	946x410x810	980x415x975	980x415x975
Packing Dimension (W*D*H)		mm	995x398x740	1090x500x885	1145x500x1080	1145x500x1080
Net/Gross weight		Kg	43.8/46.8	66.87/71.51	90/105	92/107
Compressor			Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary	Inverter Twin-Rotary
Refrigerant	Type		R32	R32	R32	R32
	Charged quantity	Kg	1.13	2.3	2.9	3.2
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35mm (1/4 in)/12.7mm (1/2 in)	9.52mm (3/8 in)/15.9mm (5/8 in)	9.52mm (3/8 in)/15.9mm (5/8 in)	9.52mm (3/8 in)/15.9mm (5/8 in)
	Max. refrigerant pipe length	m	50	55	75	75
	Max. height difference	m	25	20	30	30
Thermostat type			Wireless Controller	Wireless Controller	Wireless Controller	Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor (cooling/heating)	℃	-15~50/-20~24	-15~50/-15~24	-15~50/-20~24	-15~50/-20~24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

ONE-WAY CASSETTE

42QDM

Auto Leak Detection

Dry Mode

TURBO

Turbo Mode

Smart comfort, in a compact design

The Carrier One-Way Compact Cassette delivers exceptional comfort through efficient and well-distributed conditioned airflow, ensuring optimal coverage across the entire space. Designed with a slim and compact profile, it is an ideal solution for environments where ceiling space is limited, making it suitable for modern interiors and confined installations. The unit operates quietly, enhancing occupant comfort without causing disruption, while its advanced air distribution system helps maintain consistent temperature levels throughout the room.

FEATURES

- Auto Leak Detection
- Auto Defrost
- Auto-Swing
- Turbo Mode
- Auto-Restart
- Sleep Mode
- Timer
- Dry Mode
- Electrical Voltage Protection
- Wired Remote Control (Optional)
- Wi-Fi Active (Optional)

TECHNICAL CHARACTERISTICS

INDOOR UNIT OUTDOOR UNIT			42QDM010DS 38QDM010DS	42QDM012DS 38QDM012DS	42QDM015DS 38QDM015DS
Rated Cooling Capacity		KW	2.80	3.60	4.40
Rated Cooling Capacity		Btu/h	9554	12283	15013
Cooling Power input		KW	0.81	1.25	1.52
EER		W/W	3.46	2.88	2.91
Rated Heating Capacity		KW	3.40	4.00	5.00
Rated Heating Capacity		Btu/h	11601	13648	17060
Heating Power input		KW	0.92	1.07	1.61
COP		w/w	3.70	3.74	3.11
Power supply		V-Ph-Hz	220-240V~1Ph, 50Hz	220-240V~1Ph, 50Hz	380-415V~3Ph, 50Hz
INDOOR UNIT			**42QDM010DS**	**42QDM012DS**	**42QDM015DS**
Indoor air flow (H/M/L)		m3/h	500/420/300	500/420/300	500/420/300
Indoor noise level (H/M/L/S)		dB(A)	41.0/36.0/33.0	41.0/36.0/33.0	41.5/37.0/34.5
Dimension (W*D*H)		mm	880x450x130	880x450x130	880x450x130
Packing Dimension (W*D*H)		mm	1115x555x240	1115x555x240	1115x555x240
Net/Gross weight		Kg	14.6/18.5	14.6/18.5	14.6/18.5
OUTDOOR UNIT			**38QDM010DS**	**38QDM012DS**	**38QDM015DS**
Airflow		m3/h	1850	1850	2200
Outdoor sound power level		dB(A)	55.5	55.5	58
Dimension (W*D*H)		mm	720x270x495	720x270x495	765x303x555
Packing Dimension (W*D*H)		mm	915x370x615	915x370x615	915x370x615
Net/Gross weight		Kg	22.5/24.3	22.5/24.3	27.6/30.0
Compressor			Inverter Rotary	Inverter Rotary	Inverter Rotary
Refrigerant	Type		R32	R32	R32
	Charged quantity	Kg	0.61	0.61	0.72
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35/9.52	6.35/9.52	6.35/9.52
	Max. refrigerant pipe length	m	25	25	25
	Max. height difference	m	10	10	10
Thermostat type			Wired/Wireless Controller	Wired/Wireless Controller	Wired/Wireless Controller
Operation range	Indoor (cooling/ heating)	℃	16～32/0～30	16～32/0～30	16～32/0～30
	Outdoor (cooling/heating)	℃	-15～50/-15～24	-15～50/-15～24	-15～50/-15～24

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.
W×D×H = Width×Depth×Height

NOTES

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