Carrier

INSPIRING **COMFORT**

RESIDENTIAL & LIGHT COMMERCIAL UNITS

2024

We create
the comfort
you need!

INDEX

RESIDENTIAL UNITS

MULTI SPLIT SYSTEMS

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LIGHT COMMERCIAL UNITS

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.

Products Certified by **EUROVENT**

Carrier actively participates in developing Eurovent certifications to help establish standards and achieve global compatibility.

EUROVENT is recognized as a world-class leader in the field of product performance ratings certification for Heating, Air-Conditioning & Ventilation products.

EUROVENT certification fulfils the requirements of the EN ISO/CEI17065:2012 standards and is recognized at an international level by the IAF (International Accreditation Forum).

EUROVENT offers to consultants, energy engineering offices, architects, and product end-users the most comprehensive data base of certified products and guarantee transparency and commitment to the quality of products.

EUROVENT target is to build up consumer confidence by levelling the competitive playing field for all manufacturers and to increase the integrity and accuracy of the industrial performance ratings.

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

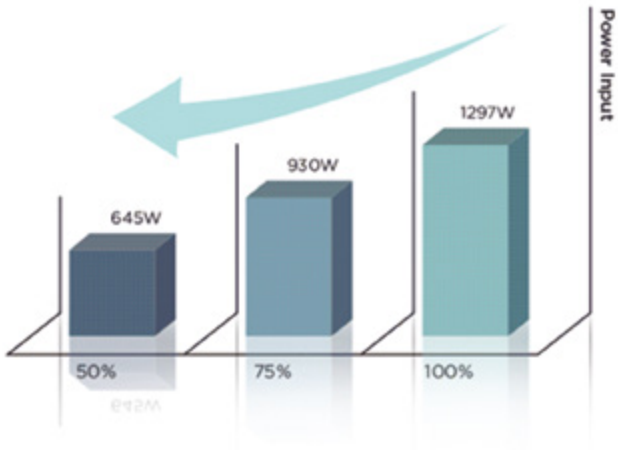
Products that have been certified for their performance and efficiency by Eurovent will feature the Eurovent Certification logo.

HIGH EFFICIENCY TUBE

Increase the number of inner groove teeth from 45 to 54, which enlarges the heat transfer area and increases heat transfer efficiency up by 7.3%.

GEAR **OPERATION**

Inverter Air-Conditioners offer three operating power options: 50%, 75%, and 100%. You can choose a lower power level to conserve energy.



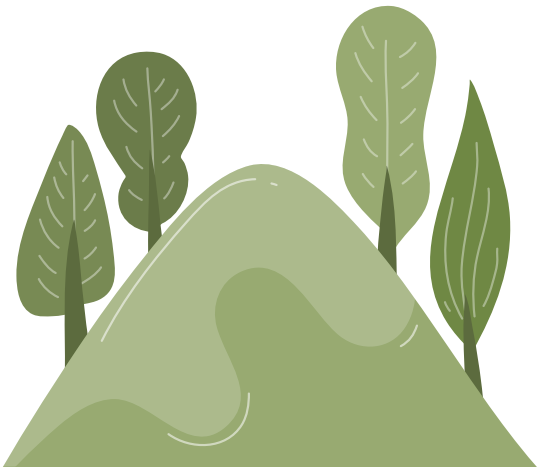
High Efficiency & Performance

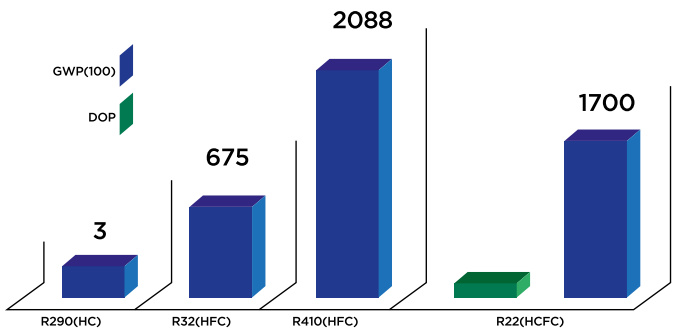
ULTRA-HIGH ENERGY EFFICIENCY PRODUCTS

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 -25°C to +46°C without sacrificing efficiency. Our units use ultra-quiet Inverter Compressors, equipped with 9 slots and 6 poles, 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 & R-290 refrigerants.





R-290 is the new age environment-friendly and energy efficient refrigerant with the lowest impact on the environment. The global warming potential of R-290 is 3 and has zero impact on the ozone layer. Preservation of the environment is a central tenet of Carrier's business as it recognizes the vital importance of maintaining a responsible balance between the comfort we create today and the world we live in tomorrow.

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**

WIDE-RANGE AMBIENT OPERATION **FOR COOLING**

Even at hot temperatures of up to 50°C, the **INTELLICool** can still provide optimal cooling to the room without any interruptions.

- **Fastest:** air-outlet temperature reaching 23°C within 40s
- **Coolest:** air-outlet temperature reaching 14°C within 90s
- **High frequency:** up to 120Hz

WIDE-RANGE AMBIENT OPERATION **FOR HEATING**

Our **INTELLIHeat** runs at 100% full output capacity to keep you warm even when the ambient temperature is –15°C

- **Highest air-outlet temperature:** 50°C
- **Fastest air-outlet temperature:** reaching above 34.5°C within 60s
- **High frequency:** up to 120Hz

FAST COOLING/HEATING

Like a runner sprinting to the line, this tech enables the compressor to achieve maximum frequency in split of the moment (65Hz within 6s) upon start up, providing you powerful cooling/heating once the air-conditioner is on.

CRANKCASE HEATER

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.

BASE PAN HEATER

Carrier's models are equipped with a base heater that prevents condensate from freezing. Base pan heater used to prevent ice formation and to promote water drainage after defrosting cycles in extreme low ambient temperatures. Cultivated base design discharges melted water through many holes. Without a heater, freezing condensate can cause noise, damage to the fan blades, or the condenser, while it can also decrease the system's performance.

Advanced
Air Quality

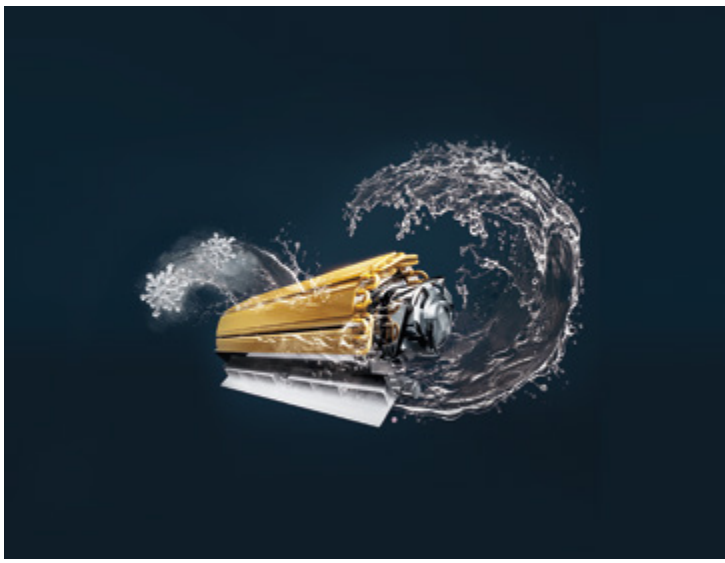
INTELLIGENT DUSTING **SWITCH**

Apart from the bionic fan blades, the Welling DC motor itself 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*

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. When activated, the indoor unit display window will show 'CL.' After 20 to 45 minutes, the unit will automatically turn off, deactivating the Active Clean function.



Air Purification

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

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 removed and cleaned with soap-water without losing its effectiveness.

ACTIVE CARBON FILTER

Carbon air filters are the filters most commonly used to remove gases. They are designed to filter gases through a bed of activated carbon (also called activated charcoal) and are usually used to combat volatile organic compounds (VOCs) released from common household products. They are also often used to remove odours from the air, such as the smell of tobacco smoke. They cannot remove fine particles like mold, dust, or pollen from the air.

SILVER ION FILTER

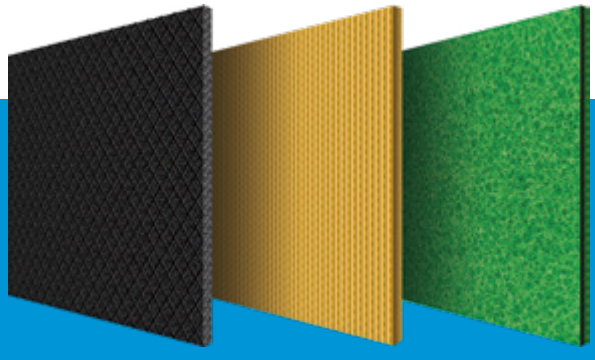
Silver ion filter is a new kind of high efficient sterilizing product. Silver ion is a colourless and tasteless ion that brings no side effect, irritation, pollution, drug tolerance or volatilization. Since the ion recycles itself after sterilizing, it is durable and can effectively stop bacteria from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

IONIZER

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.

UV LAMP

The operation of UV light is quite simple. As air passes through the device, it passes through ultraviolet lamps' radiation. This radiation decomposes the molecular structure of the pollutants. In essence, UV lamps can alter the DNA of microorganisms and deactivate or eliminate them entirely.



COLD CATALYST FILTER | VITAMIN C FILTER | NEGATIVE ION FILTER

TRIPLE ACTION FILTER

The Carrier Air-Conditioning units with Triple Action filter provide better air quality by combining the positive effects of three different filters. The air first goes through the pre-filter that will capture large particles, dust & pet hair.

COLD CATALYST FILTER

This filter has a deodorizing effect and helps removing volatile organic compounds (VOCs) and odours. The cold catalyst filter does not lose its effectiveness during time, and you can clean it easily with running water.

VITAMIN C FILTER

Vitamin C, with its antioxidant effect, is beneficial for skin health due to its significant role in collagen synthesis which is responsible for skin strength and elasticity. The Vitamin C filter provides several benefits, it improves skin hydration and skin colour-tone, and it protects the skin from photo-damage and wrinkling.

HIGH RELIABILITY & LOW NOISE LEVEL

The Negative Ion filter releases negative ions, offering a fresher, revitalizing indoor atmosphere.

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.

TRIPLE ACTION FILTER

As the air enters the unit, it goes through the pre-filter, which captures dust and the largest particles in suspension in the atmosphere. The Cold Catalyst filter absorbs smaller particles and pollen and have a deodorizing effect, providing fresh, high quality air!

COLD CATALYST FILTER

This filter has a deodorizing effect and helps removing volatile organic compounds (VOCs) and odours. The cold catalyst filter does not lose its effectiveness overtime and you can clean it easily with running water.

VITAMIN C FILTER

Vitamin C, with its antioxidant effect, is beneficial for skin health due to its significant role in collagen synthesis which is responsible for skin strength and elasticity. The Vitamin C filter provides several benefits; it improves skin hydration and skin colour-tone and it protects the skin from photo-damage and wrinkling.

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SILVER ION FILTER

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.

IONIZER

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.

UV LAMP

Light has an amazing power; it gives life! It is not widely known, but light can also clean the air we breathe. But how can light work against airborne germs and improve the air quality of your home? The operation of UV light air-purifiers is quite simple. As air passes through the device, it passes through ultraviolet lamps' radiation. This radiation decomposes the molecular structure of the pollutants. In essence, UV lamps can alter the DNA of microorganisms and deactivate or eliminate them entirely.

ENERGY SAVING

3D 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.

X-ECO MODE

By enabling X-ECO 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 X-ECO mode, the selected cooling temperature can be between 24 – 30°C.

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.

INTELLIGENT ON/OFF TECHNOLOGY

The unit automatically switches to energy-saving mode from standby, thanks to its smart ON/OFF technology.

COMFORT

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

WI-FI READY
Allows you to control the unit remotely, via internet,
after installing the optional Wi-Fi stick.

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.

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.

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.

COMFORT HUMIDITY
With smart sensor technology, it detects not only the
temperature but also the humidity level of the room.
Through smart APP, you can customize your most
comfortable humidity level, applicable from 30%-90%.

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.

REMOTE CONTROL BRIGHT SCREEN
The remote control has a backlit LCD display for easier reading.

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

INTELLIGENT EYE
The unit detects the human movement intelligently by
the built-in infrared sensor and operates automatically
which is more energy saving and human friendly.

RELIABILITY

EUROVENT CERTIFICATION
Eurovent Certification certifies the performance ratings
of the air-condition unit according to European
and international standards.

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.

LOW AMBIENT
With the build-in low ambient kit and the special designed
PCB, the outdoor fan speed can adjust automatically according
to condensation temperature. The air-conditioner can run
cooling operation even when the outdoor ambient temperature
is down to -15°C.

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.

GREEN FIN
Makes the unit 5 times more resistant to the harshest of
environments such as coastal areas or during acid rain.
At the same time it helps lubricate and clean the heat
exchanger, resulting to a higher level of reliability and a longer
lifespan. Finally, this coating also prevents the formulation of
bacteria, improves heat transfer and the overall performance
of the device.

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

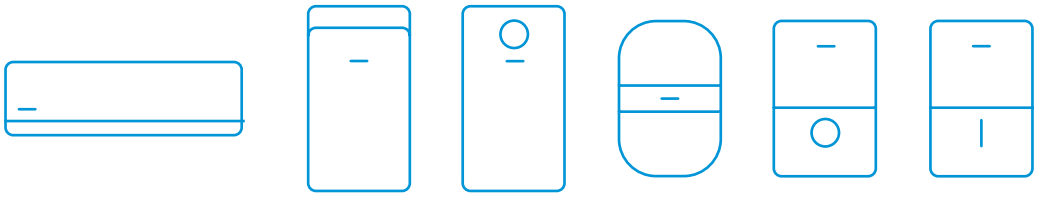
CRANKCASE HEATER
The crankcase heater prevents refrigerant migration and
mixing with crankcase oil when the unit is off, and prevents
condensation of refrigerant in the crankcase of a compressor.
The crankcase heater keeps refrigerant at a temperature
higher than the coldest part of the system.

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.

WIND AVOID ME
Avoid wind blowing directly on you by using the remote
to instantly adjust the wind direction.

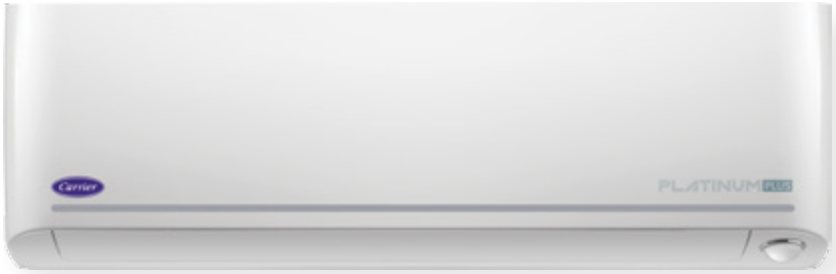
RESIDENTIAL UNITS

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



INVERTER HI-WALL

PLATINUM PLUS



Ionizer Filter

Comfort Humidity

Intelligent Eye

Absolute comfort in every climate

Withstanding the most extreme weather conditions, by utilizing our advanced inverter technology, the PLATINUM Plus series allows you to enjoy the most enhanced comfort levels. We ensure consistent comfort and precise temperature control, creating the ideal climate to meet your needs. During winter, feel the warm air reaching down to your toes, even at extreme temperatures as low as -25°C and in summer, a feeling of spring is spread in every corner of the room.

FEATURES

- Wi-Fi Active
- Golden Fin
- Base Pan Heater
- Crankcase Heater
- Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion
- Ionizer Filter
- Follow Me
- Sleep Mode
- X-ECO
- Turbo
- 3D Airflow Louver Function / Horizontally
- Timer
- Dry Mode
- Quiet Mode
- Self Clean
- Auto-Diagnosis & Self Protection
- Auto-Defrosting
- Auto-Restart
- Electrical Voltage Protection
- Low Ambient
- Memorize
- Remote Control Locking
- Refrigerant Leakage Detection
- 1W Stand By

TECHNICAL CHARACTERISTICS

SYSTEM		38QHP / 42QHP009E8S-2	38QHP / 42QHP012E8S-2
Cooling capacity	kW	2,64 (1,00-4,80)	3,52 (1,00-4,80)
Cooling capacity	BTU/h	9.008 (3.412-16.378)	12.011 (3.412-16.378)
Heating capacity	kW	4,00 (0,75-7,20)	4,00 (0,75-7,20)
Heating capacity	BTU/h	13.649 (2.559-24.567)	13.649 (2.559-24.567)
Heating capacity at-7°C	kW	4,20	4,20
Heating capacity at-10°C	kW	3,70	3,70
Heating capacity at-15°C	kW	3,30	3,30
Heating capacity at-20°C	kW	2,80	2,80
Heating capacity at-25°C	kW	2,20	2,20
Temp range cooling	°C	-15~50	-15~50
Temp range heating	°C	-25~30	-25~30
SEER / SCOP (warmer)/ SCOP (average)/ SCOP (colder)	W/W	10.00/6.30/5.10/4.10	10.00/6.30/5.10/4.10
Energy label		A+++/A+++/A+++/A+	A+++/A+++/A+++/A+
Yearly energy consumption	kWh	93/674/615/1.690	123/674/615/1.690
Standard current (cooling)	A	3.20	3.30
Standard input (cooling)	W	510	720
Standard current (heating)	A	4.00	4.00
Standard input (heating)	W	850	850
Refrigerant amount	Kg	0.90	0.90
Flare connections (liquid-gas)		1/4”-3/8”	1/4”-3/8”
Standard piping length	m	5	5
Min. piping length	m	3	3
Max. piping length	m	25	25
Max. difference	m	10	10
Additional charge	g/m	12	12
Power supply	V/Hz	220-240/50-60	220-240/50-60

INDOOR UNIT		42QHP009E8S-2	42QHP012E8S-2
Indoor fan motor Input	W	60	60
Indoor fan motor max. current	A	0.70	0.70
Sound power level	dB(A)	60	60
Sound pressure level (high/med/low/silence)	dB(A)	43/34/24/21	43/34/24/21
Airflow (high/med/low/silence)	m³/h	575/497/340/190	575/497/340/190
Weight	Kg	12.70	12.70
Dimensions (W×D×H)	mm	895×248×298	895×248×298

OUTDOOR UNIT		38QHP009E8S-2	38QHP012E8S-2
Sound power level	dB(A)	63	63
Sound pressure level (nominal)**	dB(A)	47.50	51.50
Airflow	m³/h	2.350	2.350
Weight	Kg	32.30	32.30
Dimensions (W×D×H)	mm	805×330×554	805×330×554

Notes:
** Sound data @ cooling mode*
**-7°C/-10°C/-15°C/-20°C/-25°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER HI-WALL

COOLEASY

3D Airflow

5cm

5cm from the ceiling

Base Pan Heater
& Crankcase Heater

Sleek design, smoother airflow

With an original smooth design of the indoor unit, and friendly R-32 refrigerant, with Wi-Fi Active function. A modern stylish remote control and with the 3D airflow function, COOLEASY series obtain the auto-horizontal swing and auto-vertical swing function, which supplies every space with a more even and comfortable airflow.

FEATURES

- Triple Filter Action: Cold Catalyst, Active Carbon, Silver Ion
- Golden Fin
- Base Pan Heater
- Crankcase Heater
- X- ECO
- 3D Airflow
- Wi-Fi Active
- Gear Operation
- Turbo
- Follow Me
- Active Clean
- Wind Avoid Me (Breeze Away)
- 1W Standby
- Comfort Hotel Manager: Temperature Limit Lock & Filter Reminder on Hi-Walls
- Refrigerant Leakage Detection
- Louver Position Memory Function
- Auto-Restart
- Sleep Mode
- 9 Grades of Outdoor Fan Speed
- Low Ambient Cooling/Heating

TECHNICAL CHARACTERISTICS

SYSTEM		38QHE/ 42QHE09D8SH	38QHE/ 42QHE12D8SH	38QHE/ 42QHE18D8SH	38QHE/ 42QHE24D8SH
Cooling capacity	kW	2,64 (1,32-3,81)	3,50 (1,32-3,96)	5,20 (3,75-6,13)	6,85 (2,11-8,21)
Cooling capacity	BTU/h	9.008 (4.504-130)	11.642 (4.504-13.512)	17.743 (12.796-20.916)	23.373 (7.200-28.014)
Heating capacity	kW	3,00 (0,88-4,40)	3,85 (0,88-4,54)	5,65 (2,58-6,77)	7,30 (1,55-8,21)
Heating capacity	BTU/h	10.236 (33-15.013)	13.137 (33-15.491)	19.279 (8.803-23.100)	24.909 (5.289-28.014)
Temp range cooling	°C	-15~50	-15~50	-15~50	-15~50
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
Temp range heating (with Crankcase and Base Pan Heater)	°C	-20~24	-20~24	-20~24	-20~24
SEER / SCOP (warmer) / SCOP (average)	W/W	9.00/6.00/4.60	8.50/5.40/4.60	8.50/5.60/4.40	8.60/5.40/4.20
Energy label		A+++/A+++/A++	A+++/A+++/A++	A+++/A+++/A+	A+++/A+++/A+
Yearly energy consumption	kWh	103/595/731	144/648/731	215/1.118/1.369	279/1.439/1.667
Standard current (cooling)	A	2.65	3.90	5.70	7.30
Standard input (cooling)	W	550	860	1.300	1.700
Standard current (heating)	A	3.05	4.40	6.50	8.60
Standard input (heating)	W	665	960	1500	1950
Refrigerant amount	Kg	0.69	0.69	1.10	1.50
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min. piping length	m	3	3	3	3
Max. piping length	m	25	25	30	50
Max. difference	m	10	10	20	25
Additional charge	g/m	12	12	12	24
Power supply	V/Hz	220-240/50-60	220-240/50-60	220-240/50-60	220-240/50-60

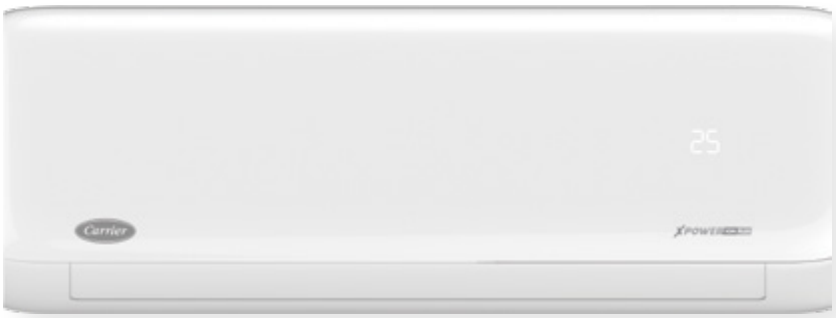
INDOOR UNIT		42QHE09D8SH	42QHE12D8SH	42QHE18D8SH	42QHE24D8SH
Indoor fan motor Input	W	50	50	36	58
Indoor fan motor max. current	A	0.16	0.16	0.11	0.21
Sound power level	dB(A)	60	60	60	65
Sound pressure level (min.~max.)	dB(A)	21~37	22~40	22~41	21~42
Airflow (min.~max.)	m³/h	280~530	290~560	400~685	380~1090
Weight	Kg	10.20	10.20	12.30	20
Dimensions (W×D×H)	mm	795×225×295	795×225×295	965×239×319	1.140×275×370

OUTDOOR UNIT		38QHE09D8SH	38QHE12D8SH	38QHE18D8SH	38QHE24D8SH
Sound power level	dB(A)	65	65	65	69
Sound pressure level (nominal)**	dB(A)	50	50	52	56.50
Airflow	m³/h	2.200	2.200	3.500	3.500
Weight	Kg	28.40	28.40	38.80	45.60
Dimensions (W×D×H)	mm	805×330×554	805×330×554	890×342×673	890×342×673

Notes:
** Sound data @ cooling mode*
**-7°C/-10°C/-15°C/-20°C/-25°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER HI-WALL



Ionizer

Wide Range Ambient Operation for Cooling/Heating
(+50°/-15°C)

Base Pan Heater & Crankcase Heater

Energy efficiency & intelligence

XPOWER ION PLUS allows you to customize your home's indoor environment and make smarter decisions on energy management. Connected, intelligent and efficient, the industry leading XPOWER ION PLUS range gives you maximum control and unsurpassed comfort, by helping minimize temperature swings and hot and cold spots within your home, while saving you money on energy costs. The Ionizer of the unit creates a healthy climate as it rejuvenates the air with negatively charged ions. In addition, the unit is fitted with a series of filters so you and your family can breathe cleaner air.

FEATURES

- Wi-Fi Active
- Ionizer
- Golden Fin
- Gear Operation
- Fan Blades
- 9 Grades of Outdoor Fan Speed
- Base Pan Heater
- Crankcase Heater
- Low Ambient Cooling/Heating
- Pre Filter
- Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion
- Follow Me
- Sleep Mode
- X-ECO
- Turbo
- Wind Avoid Me (Breeze Away)
- Timer
- Dry Mode
- Quiet Mode
- Active Clean
- Auto-Diagnosis & Self Protection
- Auto-Defrosting
- Auto-Restart
- Remote Control Locking
- Refrigerant Leakage Detection
- 1W Stand By
- Comfort Hotel Manager: Temperature Limit Lock & Filter Reminder on Hi-Walls

TECHNICAL CHARACTERISTICS

SYSTEM		38QHG/ 42QHG009D8SHR2	38QHG/ 42QHG012D8SHR2
Cooling capacity	kW	2,64 (1,03-3,22)	3,50 (1,38-4,31)
Cooling capacity	BTU/h	9.008 (3.514-10.986)	11.942 (4.708-14.705)
Heating capacity	kW	2,90 (0,82-3,37)	3,90 (1,07-4,38)
Heating capacity	BTU/h	9.894 (2.798-11.498)	13.307 (3.650-14.944)
Heating capacity at -7°C	kW	2,50	2,50
Heating capacity at -15°C	kW	2,00	2,00
Heating capacity at -20°C	kW	1,60	1,60
Temp range cooling	°C	-15-50	-15-50
Temp range heating	°C	-15-24	-15-24
Temp range heating (with Crankcase and Base Pan Heater)	°C	-20-24	-20-24
SEER / SCOP (warmer) / SCOP (average)	W/W	8.80/6.00/4.60	8.50/6.00/4.60
Energy label		A+++/A+++/A++	A+++/A+++/A++
Yearly energy consumption	kWh	105/630/730	144/723/791
Standard current (cooling)	A	2.75	4.25
Standard input (cooling)	W	630	970
Standard current (heating)	A	2.85	4.35
Standard input (heating)	W	650	1.000
Refrigerant amount	Kg	0.62	0.62
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"
Standard piping length	m	5	5
Min. piping length	m	3	3
Max. piping length	m	25	25
Max. difference	m	10	10
Additional charge	g/m	12	12
Power supply	V/Hz	220-240/50-60	220-240/50-60

INDOOR UNIT		42QHG009D8SHR2	42QHG012D8SHR2
Sound power level	dB(A)	55	56
Sound pressure level (max.-min.)	dB(A)	19-37	21-39
Airflow (max.-min.)	m³/h	160-560	170-630
Weight	Kg	8.70	8.70
Dimensions (W×D×H)	mm	835×208×295	835×208×295

OUTDOOR UNIT		38QHG009D8SHR	38QHG012D8SHR
Sound power level	dB(A)	59	62
Sound pressure level (nominal)**	dB(A)	50	51
Airflow	m³/h	2.150	2.200
Weight	Kg	26.70	26.70
Dimensions (W×D×H)	mm	765×303×555	765×303×555

Notes:
• Sound data @ cooling mode
• -7°C/-15°C/-20°C heating @ free frequency

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER HI-WALL

UV Lamp

Gear Operation

Green Fin*
(size 9 & 12)*

Comfort on silent mode

EXTREME 2 series is here to help you create your ideal indoor comfort even in extreme outdoor conditions. It offers superior energy efficiency, quiet performance and ability to control it from anywhere. This new series includes UV lamps. The use of UV lights can reduce or prevent microorganisms from circulating within your home or office.

FEATURES

- UV Lamp
- Wi-Fi Active
- Golden Fin
- Green Fin (at sizes 9 & 12)
- Gear Operation
- Fan Blades
- 9 Grades of Outdoor Fan Speed
- Base Pan Heater
- Crankcase Heater
- Low Ambient Heating/Cooling
- Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion
- Follow Me
- Sleep Mode
- X-ECO
- Turbo
- Wind Avoid Me (Breeze Away)
- Timer
- Dry Mode
- Comfort Hotel Manager: Temperature Limit Lock & Filter Reminder on Hi-Walls
- Active Clean
- Auto-Diagnosis & Self Protection
- Auto-Defrosting
- Auto-Restart
- Remote Control Locking
- Refrigerant Leakage Detection
- 1W Stand By
- Intelligent Dusting Switch
- Quiet Mode

TECHNICAL CHARACTERISTICS

SYSTEM		38QHG/ 42QHG009D8SE	38QHG/ 42QHG012D8SE	38QHG/ 42QHG018D8SE	38QHG/ 42QHG024D8SE
Cooling capacity	kW	2,75 (1,00-3,20)	3,65 (1,40-4,30)	5,28 (3,40-6,10)	7,04 (2,10-8,20)
Cooling capacity	BTU/h	9.383 (3.412-10.919)	12.454 (4.777-14.672)	18.016 (11.601-20.132)	24.021 (7.165-27.980)
Heating capacity	kW	2,90 (0,80-3,40)	3,90 (1,10-4,40)	5,70 (3,10-6,70)	7,50 (1,50-8,20)
Heating capacity	BTU/h	9.895 (2.730-11.601)	13.307 (3.753-15.013)	19.449 (10.578-19.790)	25.591 (5.118-27.980)
Heating capacity at -7°C	kW	2,50	2,70	4,30	5,80
Heating capacity at -15°C	kW	2,00	2,10	3,50	5,50
Heating capacity at -20°C	kW	1,65	1,70	2,50	4,50
Temp range cooling	°C	-15-50	-15-50	-15-50	-15-50
Temp range heating	°C	-15-24	-15-24	-15-24	-15-24
Temp range heating (with Crankcase and Base Pan Heater)	°C	-20-24	-20-24	-20-24	-20-24
SEER / SCOP (warmer) / SCOP (average)	W/W	7.40/5.30/4.10	7.00/5.50/4.20	7.00/5.10/4.00	6.50/5.10/4.00
Energy label		A++/A+++/A+	A++/A+++/A+	A++/A+++/A+	A++/A+++/A+
Yearly energy consumption	kWh	130/660/854	182/636/833	264/1235/1435	379/1757/1820
Standard current (cooling)	A	3.50	5	6.80	10.90
Standard input (cooling)	W	765	1.130	1.550	2.500
Standard current (heating)	A	3.40	4.60	7.40	9.60
Standard input (heating)	W	760	1.050	1.700	2.200
Refrigerant amount	Kg	0.60	0.65	1.10	1.45
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min. piping length	m	3	3	3	3
Max. piping length	m	25	25	30	30
Max. difference	m	10	10	20	20
Additional charge	g/m	12	12	12	24
Power supply	V/Hz	220-240/50-60	220-240/50-60	220-240/50-60	220-240/50-60

INDOOR UNIT		42QHG009D8SE	42QHG012D8SE	42QHG018D8SE	42QHG024D8SE
Sound power level	dB(A)	56	56	58	63
Sound pressure level (max.-min.)	dB(A)	37-20	37-20	41-21	47-22
Airflow (max.-min.)	m³/h	460-180	530-195	800-300	1.090-480
Weight	Kg	8	8.70	11.20	13.60
Dimensions (W×D×H)	mm	726×210×291	835×208×295	969×241×320	1083×244×336

OUTDOOR UNIT		38QHG009D8SE	38QHG012D8SE	38QHG018D8SE	38QHG024D8SE
Sound power level	dB(A)	63	64	65	69
Sound pressure level (nominal)**	dB(A)	52	53	53	58
Airflow	m³/h	1.750	1.800	2.100	3.500
Weight	Kg	23.50	23.70	33.50	43.90
Dimensions (W×D×H)	mm	720×270×495	720×270×495	805×330×554	890×342×673

Notes:
• Sound data @ cooling mode
• -7°C/-15°C/-20°C heating @ free frequency

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER HI-WALL

UV Lamp

3D Airflow

Wind Avoid Me

Energy saving & healthy living, all in one

Now you can maintain the desired temperature by keeping your energy costs down... and not only this! CRYSTAL ULTRA CLEAN PLUS is an energy-efficient model with a SEER up to 7.4 and energy class of A++/ A+++ (cooling/heating). The use of UV lamps can reduce or prevent microorganisms from circulating within your home or office. The 3D airflow function it provides, has an auto-horizontal swing and auto-vertical swing function, which supplies every space with a more even and comfortable airflow.

FEATURES

- UV Lamp
- Ionizer Filter
- Wi-Fi Active
- Golden Fin
- Fan Blades
- 9 Grades of Outdoor Fan Speed
- Low Ambient Cooling/Heating
- Triple Filter Action: Cold Catalyst, Negative Ion, Vitamin C
- Follow Me
- Sleep Mode
- X-ECO
- Turbo
- 3D Airflow
- Wind Avoid Me (Breeze Away)
- Timer
- Dry Mode
- Quiet Mode
- Active Clean
- Auto-Diagnosis & Self Protection
- Auto-Defrosting
- Auto-Restart
- Remote Control Locking
- Refrigerant Leakage Detection
- 1W Stand By
- Comfort Hotel Manager: Temperature Limit Lock & Filter Reminder on Hi-Walls

TECHNICAL CHARACTERISTICS

SYSTEM		38QHG/ 42QHG009D8SU2	38QHG/ 42QHG012D8SU2	38QHG/ 42QHG018D8SU2	38QHG/ 42QHG024D8SU2
Cooling capacity	kW	2,75 (1,00-3,20)	3,65 (1,40-4,30)	5,28 (2,40-6,10)	7,04 (2,10-8,20)
Cooling capacity	BTU/h	9.383 (3.412-10.918)	12.454 (4.777-14.671)	18.015 (8.189-20.813)	24.020 (7.165-27.978)
Heating capacity	kW	2,90 (0,80-3,40)	3,90 (1,10-4,40)	5,70 (2,10-6,70)	7,50 (1,50-8,20)
Heating capacity	BTU/h	9.895 (2.729-11.600)	13.306 (3.753-15.017)	19.448 (7.165-22.8620)	25.590 (5.118-29.978)
Heating capacity at-7°C	kW	2,50	2,70	4,30	5,80
Heating capacity at-15°C	kW	2,00	2,10	3,50	5,50
Heating capacity at-20°C	kW	1,65	1,70	2,50	4,50
Temp range cooling	°C	-15-50	-15-50	-15-50	-15-50
Temp range heating	°C	-15-24	-15-24	-15-24	-15-24
SEER / SCOP (warmer) / SCOP (average)	W/W	7.40/5.30/4.10	7.00/5.50/4.20	7.00/5.10/4.00	6.50/5.10/4.00
Energy label		A++/A+++/A+	A++/A+++/A+	A++/A+++/A+	A++/A+++/A+
Yearly energy consumption	kWh	130/660/854	182/636/833	264/1.235/1.435	379/1.757/1.820
Standard current (cooling)	A	3.50	5.00	6.80	10.90
Standard input (cooling)	W	765	1.130	1.550	2.500
Standard current (heating)	A	3.40	4.60	7.40	9.60
Standard input (heating)	W	760	1.050	1.700	2.200
Refrigerant amount	Kg	0.60	0.65	1.10	1.45
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min. piping length	m	3	3	3	3
Max. piping length	m	25	25	30	30
Max. difference	m	10	10	20	20
Additional charge	g/m	12	12	12	24
Power supply	V/Hz	220-240/50-60	220-240/50-60	220-240/50-60	220-240/50-60

INDOOR UNIT		42QHG009D8SU2	42QHG012D8SU2	42QHG018D8SU2	42QHG024D8SU2
Sound power level	dB(A)	56	56	58	63
Sound pressure level (max/med/min/silent)	dB(A)	37/32/28/20	37/32/28/20	41/35/28/21	47/41/35/22
Airflow (max/med/min/silent)	m³/h	460/330/260/180	530/400/350/195	800/600/500/300	1.090/770/610/480
Weight	Kg	8.00	8.70	11.20	13.60
Dimensions (W×D×H)	mm	726×210×291	835×208×295	969×241×320	1083×244×336

OUTDOOR UNIT		38QHG009D8SU	38QHG012D8SU	38QHG018D8SU	38QHG024D8SU
Sound power level	dB(A)	63	64	65	69
Sound pressure level (nominal)**	dB(A)	52	53	53	58
Airflow	m³/h	1.750	1.800	2.100	3.500
Weight	Kg	23.50	23.70	33.50	43.90
Dimensions (W×D×H)	mm	720×270×495	720×270×495	805×330×554	890×342×673

Notes:
• Sound data @ cooling mode
• -7°C/-15°C/-20°C heating @ free frequency

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

PORTABLE

PD Portable

New, more environmentally friendly refrigerant R-290

Easy to Carry

Your perfect companion

A single solution for cooling and heating. Carrier's portable unit is a light and compact portable air-conditioner with easy drop-in and drop-out installation and great mobility, with steady wheels and a compact body, an easy to use remote controller, and digital display. Suitable for room sizes of approximate 13-29 m².

FEATURES

- Remote Control
- Auto-Swing Mode
- Auto-Restart
- Energy Save Mode
- Follow Me Mode
- High Density Filter
- Dry Mode
- Easy to Carry
- Auto-Diagnosis & Self Protection
- Sleep Mode
- Timer
- Installation Kit
- Wheels
- Easy to Use
- Air-Filter

TECHNICAL CHARACTERISTICS

MODEL		51QPD12N7S-1
Cooling capacity	kW	3,50
Input	W	1.350
Current	A	5.90
EER	W/W	2.60
Energy efficiency class		A
Heating capacity	kW	2,90
Input	W	1045
Current	A	5.00
COP	W/W	2.80
Energy efficiency class		A+
Moisture removal	L/h	3.25
Rated input consumption	W	1.600
Rated current	A	8.00
Starting current	A	25.00
Indoor side airflow (Hi/Mi/Lo)	m³/h	420/370/350
Indoor side noise level (Hi/Mi/Lo)	dB(A)	55/54/53
Sound power level (Hi)	dB(A)	64
Refrigerant type		R-290
Control type		Remote Control
Operation temp (room temp)	°C	17-35/5-30
Application area (Cooling Standard)	m²	16-23
Dimension (W×D×H)	mm	467×397×765
Weight	Kg	34.40
Compressor type		Rotary
Power supply	V/Hz/Ph	220-240/50/1

Note:
W×D×H = Width×Depth×Height

DEHUMIDIFIERS SERIES

NextGen

R290

New, more environmentally friendly refrigerant R-290

HEPA Filter H13

Superior humidity-free air quality

Carrier's new generation of NEXTGEN dehumidifiers offers a smart and effective solution for every residential space. Available in 2 types, they remove excess moisture and create a more comfortable environment! By maintaining a consistent humidity level, they not only prevent the growth of mold, and other contaminants, but also enable a more efficient air quality experience.

FEATURES

- New Refrigerant R-290
- Pre-Filters
- HEPA Filter (High Efficiency Particulate Air) for 16 & 20 lt models
- Auto-Restart
- Auto-Defrost
- Overflow Protection*
- Illuminated Interactive Display
- Large Relative Humidity Adjustment Range (% RH)
- Wi-Fi Active

** Less moisture in the house, means that the clothes will dry faster, the bread and cereals will be kept fresh for a longer time without staleness, and you will not find any signs of rust or corrosion on objects*

TECHNICAL CHARACTERISTICS

MODEL		CDF2-16Q7-1	CDF2-20Q7-1
Moisture removal (30°C/80%)	L/day	16	20
Application area	m²	48	52
Refrigerant type		R-290	R-290
Water tank volume	L	3	3
Airflow (Hi/Mi/Lo)	m³/h	166/135/108	166/135/108
Sound pressure level (Hi/Mi/Lo)	dB(A)	46/43/41	46/43/41
Rated input	W	360	360
Rated current	A	2.10	2.10
Ambient temp	°C	5~32	5~32
RH range manual	% RH	35%-85%	35%-85%
Dimension (W×D×H)	mm	350×245×510	350×245×510
Weight	Kg	15	15
Control type		Electronic Control	Electronic Control
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1

NEXTGEN II

MODEL		CDP-30Q7	CDP-50Q7-1
Moisture removal (30°C/80%)	L/day	30	50
Application area	m²	73	116
Refrigerant type		R-290	R-290
Water tank volume	L	3	6
Airflow (Hi/Lo)	m³/h	191/166	353/319
Sound pressure level (Hi/Lo)	dB(A)	50/48.50	49.50/48
Rated input	W	550	850
Rated current	A	2.90	3.70
Ambient temp	°C	5~32	5~32
RH range manual	% RH	35%~85%	35%~85%
Dimension (W×D×H)	mm	386×260×500	392×282×616
Weight	Kg	17	19
Control type		Electronic Control	Electronic Control
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1

NEXTGEN III

Note:
W×D×H = Width × Depth × Height

AIR PURIFIERS SERIES

Pioneering Air

Freshness... is in the air

Clean air inside your home is key to long-lasting comfort. Even when the temperature and humidity levels are ideal, pet dander and pollen circulating in the air can trigger allergy and asthma symptoms. To remove these irritants and to have a clean indoor atmosphere, Carrier's purifiers are the perfect solution. Light has an amazing power... it gives life! You may wonder how light works against airborne microbes or generally improves the air quality of your home. As air is forced through the device, it passes through UV lamps, which directly disinfect the air by means of germicidal irradiation. The UV lamps can alter the DNA of microorganisms and inactivate or destroy them. Thus, the Photocatalyst filters together with Activated Carbon filters, HEPA & UV light form a fully advanced filtration system that improves the quality of your indoor air.

FEATURES

- Ionizer
- HEPA filter H13
- UV Lamp
- Photocatalyst Filter
- Activated Carbon Filter
- Pre-Filters
- DC Inverter
- Remote Control
- Air Quality Indicator
- Control Panel
- Sleep Mode
- Filter Change Reminding
- Timer
- Auto Mode
- Child Lock

TECHNICAL CHARACTERISTICS

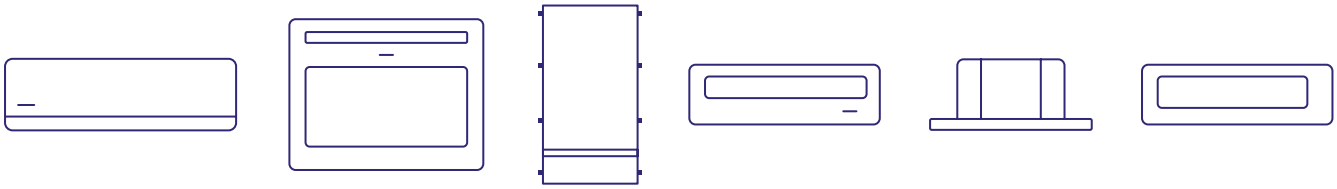
MODEL		CAFN036LC2	CAFN051LC2
Coverage area*	m²	28-43	41-61
Power consumption	W	30	60
CADR	m³/h	360	510
Air volume	m³/h	430	600
Motor type		DC Motor	DC Motor
Noise level-sound pressure-1/2/3/4	dB(A)	27/38/47/58	28/41/51/65
Fan speed		1/2/3/4	1/2/3/4
Air quality indicator		4 stages (Blue / Green / Purple / Red)	
Air filter configuration		Pre-Filter (washable) H13 HEPA filter (standard) Active carbon filter Photo-catalyst filter	
UV lamp		1	2
Replacement filter reminder		Yes	Yes
Anion	pcs/cm³	10×10⁶	10×10⁶
Timing (1/4/8 hours)		1/4/8 hours	1/2/4/8 hours
Dimension (D × W × H)	mm	410×210×628	460×230×710
Weight	Kg	7	10
Power supply	V/Hz	220-240/50-60	220-240/50-60

*The Calculating formula of Coverage Area(m²) = CADR×0.07-0.12

CADR	120	260	510
0.08	9.60	20.80	40.80
0.12	14.40	31.20	61.20
0.14	16.80	36.40	71.40
0.16	19.20	41.60	81.60

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 their 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!

EUROVENT CERTIFICATION

TIMER

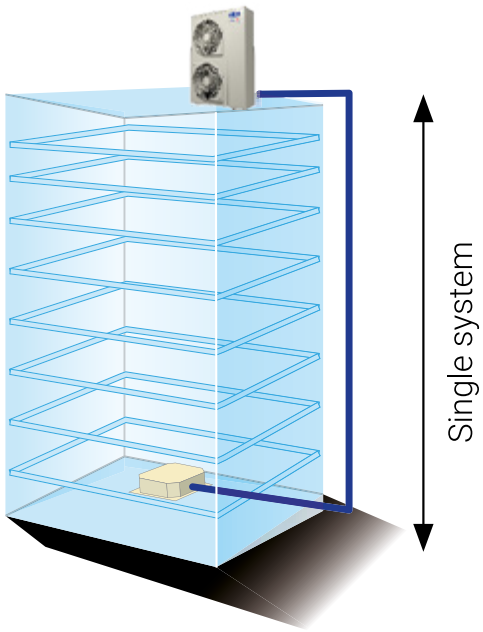
SELF-DIAGNOSIS & AUTO-PROTECTION

HIGHER PIPE LIMITS		
OUTDOOR UNITS	Max. Height	
	Between indoor and outdoor	Between indoor and indoor
1 DRIVE 2	15	10
1 DRIVE 3	15	10
1 DRIVE 4	15	10
1 DRIVE 5	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.

- Horizontal 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

The Inverter compressor offers better efficiency under partial output. When not all the rooms require air-conditioning, the multi-split outdoor unit will run with partial output and lower the power consumption, while for a single split solution, each of the outdoor units is still operating 100% output with lower efficiency.

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

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS014D8S2-1		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG007D8S* (×2)**	**Cassette 42QTD007D8S* (×2)**	**Ducted 42QSS007D8S* (×2)**
Cooling capacity	kW	4,10 (1,44-4,98)	4,10 (1,31-4,70)	4,10 (1,39-4,98)
Heating capacity	kW	4,40 (1,50-4,91)	4,30 (1,47-4,98)	4,66 (1,66-4,98)
SEER / SCOP (average)	W/W	7.20/3.90	6.10/3.90	6.10/3.80
Energy label		A++/A	A++/A	A++/A
Yearly energy consumption	kWh	200/1.365	236/1.365	236/1.474
EER / COP	W/W	3.42/4.11	3.42/4.02	3.33/4.24
Standard current (cooling)	A	5.80	5.80	5.80
Standard input (cooling)	W	1.200	1.200	1.230
Standard current (heating)	A	5.40	5.40	5.50
Standard input (heating)	W	1.070	1.070	1.100
Outdoor airflow	m³/h		2.100	
Outdoor sound pressure level	dB(A)		52	
Outdoor sound power level	dB(A)		64	
Dimension (W×D×H)	mm		805×330×554	
Weight	Kg		31.60	
Refrigerant charge amount, R-32	Kg		1.10	
Flare connections (liquid-gas)			2×(1/4''-3/8'')	
Chargeless pipe length	m		7.50×2	
Additional charge	g/m		12	
max. length for all rooms	m		40	
max. length for one indoor unit	m		25	
max. height difference between IDU and CDU	m		15	
max. height difference between indoor units	m		10	
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Power supply	V/Hz/Ph		220-240/50/1	

OUTDOOR MODEL		38QUS018D8S2-2		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG009D8S* (×2)**	**Cassette 42QTD009D8S* (×2)**	**Ducted 42QSS009D8S* (×2)**
Cooling capacity	kW	5,35 (2,26-5,57)	5,40 (2,23-5,72)	5,80 (1,32-5,57)
Heating capacity	kW	5,50 (2,34-5,63)	5,50 (2,34-5,86)	6 (1,88-6,00)
SEER / SCOP (average)	W/W	7.30/4.00	6.20/4.00	6.70/4.10
Energy label		A++/A+	A++/A+	A++/A+
Yearly energy consumption	kWh	257/1.540	305/1.575	303/1.571
EER / COP	W/W	3.34/3.67	3.38/3.79	3.79/4.29
Standard current (cooling)	A	7.10	7.10	7.30
Standard input (cooling)	W	1.600	1.600	1.530
Standard current (heating)	A	6.60	6.60	6.60
Standard input (heating)	W	1.500	1.450	1.400
Outdoor airflow	m³/h		2.100	
Outdoor sound pressure level	dB(A)		50	
Outdoor sound power level	dB(A)		63	
Dimension (W×D×H)	mm		805×330×554	
Weight	Kg		35	
Refrigerant charge amount, R-32	Kg		1.25	
Flare connections (liquid-gas)			2×(1/4"-3/8")	
Chargeless pipe length	m		7.50×2	
Additional charge	g/m		12	
max. length for all rooms	m		40	
max. length for one indoor unit	m		25	
max. height difference between IDU and CDU	m		15	
max. height difference between indoor units	m		10	
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Power supply	V/Hz/Ph		220-240/50/1	

W×D×H: Width × Depth × Height

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS021D8S3-1		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG007D8S* (×3)**	**Cassette 42QTD007D8S* (×3)**	**Ducted 42QSS007D8S* (×3)**
Cooling capacity	kW	6,30 (2,66-6,30)	6,20 (2,00-6,60)	6,20 (2,00-6,60)
Heating capacity	kW	6,50 (2,00-6,68)	6,50 (2,00-6,74)	6,30 (2,00-6,68)
SEER / SCOP (average)	W/W	7.10/4.10	6.40/4.20	6.70/3.80
Energy label		A++/A+	A++/A+	A++/A
Yearly energy consumption	kWh	311/1.844	340/1.734	324/1.879
EER / COP	W/W	3.50/4.33	3.65/4.06	3.83/4.06
Standard current (cooling)	A	8.30	8.30	8.30
Standard input (cooling)	W	1.800	1.700	1.620
Standard current (heating)	A	7.60	7.60	7.60
Standard input (heating)	W	1.500	1.600	1.550
Outdoor airflow	m³/h		2.100	
Outdoor sound pressure level	dB(A)		53	
Outdoor sound power level	dB(A)		66	
Dimension (W×D×H)	mm		890×342×673	
Weight	Kg		43.30	
Refrigerant charge amount, R-32	Kg		1.50	
Flare connections (liquid-gas)			3× (1/4"-3/8")	
Chargeless pipe length	m		7.50×3	
Additional charge	g/m		12	
max. length for all rooms	m		60	
max. length for one indoor unit	m		25	
max. height difference between IDU and CDU	m		15	
max. height difference between indoor units	m		10	
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Power supply	V/Hz/Ph		220-240/50/1	

OUTDOOR MODEL		38QUS027D8S3-2		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG009D8S* (×3)**	**Cassette 42QTD009D8S* (×3)**	**Ducted 42QSS009D8S* (×3)**
Cooling capacity	kW	8,15 (2,90-8,50)	7,50 (2,10-8,50)	8,30 (2,90-8,21)
Heating capacity	kW	8,00 (2,29-8,50)	7,70 (2,29-8,79)	8,10 (2,29-8,35)
SEER / SCOP (average)	W/W	6.60/4.10	6.20/4.10	6.20/4.10
Energy label		A++/A+	A++/A+	A++/A
Yearly energy consumption	kWh	432/1.946	423/1.810	469/1.912
EER / COP	W/W	3.13/4.00	3.07/3.53	3.22/4.05
Standard current (cooling)	A	11.20	11.20	11.20
Standard input (cooling)	W	2.600	2.440	2.580
Standard current (heating)	A	10.10	9.80	10.10
Standard input (heating)	W	2.000	2.180	2.000
Outdoor airflow	m³/h		3.000	
Outdoor sound pressure level	dB(A)		53	
Outdoor sound power level	dB(A)		67	
Dimension (W×D×H)	mm		890×342×673	
Weight	Kg		48	
Refrigerant charge amount, R-32	Kg		1.85	
Flare connections (liquid-gas)			3×(1/4"-3/8")	
Chargeless pipe length	m		7.50×3	
Additional charge	g/m		12	
max. length for all rooms	m		60	
max. length for one indoor unit	m		30	
max. height difference between IDU and CDU	m		15	
max. height difference between indoor units	m		10	
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Power supply	V/Hz/Ph		220-240/50/1	

W×D×H: Width × Depth × Height

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS028D8S4		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG007D8S* (×4)**	**Cassette 42QTD007D8S* (×4)**	**Ducted 42QSS007D8S* (×4)**
Cooling capacity	kW	8,20 (2,49-10,26)	8,20 (2,45-10,20)	8,20 (2,85-9,67)
Heating capacity	kW	8,79 (1,61-10,14)	8,79 (1,54-11,43)	8,79 (2,28-11,43)
SEER / SCOP (average)	W/W	7.00/4.00	6.80/4.00	6.10/3.80
Energy label		A++/A+	A++/A+	A++/A
Yearly energy consumption	kWh	410/2.380	422/2.240	471/2.248
EER / COP	W/W	3.23/3.71	3.49/3.69	3.49/3.69
Standard current (cooling)	A	10.90	10.50	10.50
Standard input (cooling)	W	2.500	2.350	2.350
Standard current (heating)	A	10.40	10.70	10.70
Standard input (heating)	W	2.400	2.380	2.380
Outdoor airflow	m³/h		3.800	
Outdoor sound pressure level	dB(A)		63	
Outdoor sound power level	dB(A)		70	
Dimension (W×D×H)	mm		946×410×810	
Weight	Kg		62	
Refrigerant charge amount, R-32	Kg		2.10	
Flare connections (liquid-gas)			3×(1/4"- 3/8") + 1×(1/4"- 1/2")	
Chargeless pipe length	m		7.50×4	
Additional charge	g/m		12	
max. length for all rooms	m		80	
max. length for one indoor unit	m		30	
max. height difference between IDU and CDU	m		15	
max. height difference between indoor units	m		10	
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Power supply	V/Hz/Ph		220-240/50/1	

OUTDOOR MODEL		38QUS036D8S4-1		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG009D8S* (×4)**	**Cassette 42QTD009D8S* (×4)**	**Ducted 42QSS009D8S* (×4)**
Cooling capacity	kW	10,55 (2,74-11,29)	10,10 (2,05-10,55)	10,10 (2,73-10,70)
Heating capacity	kW	10,55 (3,60-10,83)	10,70 (2,34-11,14)	10,70 (3,66-11,43)
SEER / SCOP (average)	W/W	6.50/4.00	5.70/3.80	6.00/3.80
Energy label		A++/A+	A+/A	A+/A
Yearly energy consumption	kWh	568/3.220	620/2.984	589/2.984
EER / COP	W/W	3.23/3.71	2.74/3.31	2.81/3.46
Standard current (cooling)	A	15.00	16.20	15.90
Standard input (cooling)	W	3.270	3.680	3.600
Standard current (heating)	A	13.50	14.40	13.90
Standard input (heating)	W	2.845	3.230	3.090
Outdoor airflow	m³/h		4.000	
Outdoor sound pressure level	dB(A)		64	
Outdoor sound power level	dB(A)		72	
Dimension (W×D×H)	mm		946×410×810	
Weight	Kg		69	
Refrigerant charge amount, R-32	Kg		2.10	
Flare connections (liquid-gas)			3×(1/4"- 3/8") + 1×(1/4"- 1/2")	
Chargeless pipe length	m		7.50×4	
Additional charge	g/m		12	
max. length for all rooms	m		80	
max. length for one indoor unit	m		35	
max. height difference between IDU and CDU	m		15	
max. height difference between indoor units	m		10	
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Power supply	V/Hz/Ph		220-240/50/1	

W×D×H: Width × Depth × Height

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS042D8S5-1		
IDUS COMBINATION FOR RATING		**Hi-Wall 42QHG009D8S (×5)**	**Cassette 42QTD009D8S* (×5)**	**Ducted 42QSS009D8S* (×5)**
Cooling capacity	kW	12,30 (2,64-12,30)	12,30 (2,73-12,30)	12,30 (2,73-12,30)
Heating capacity	kW	12,30 (3,52-12,30)	12,30 (2,42-12,30)	12,30 (3,81-12,30)
SEER / SCOP (average)	W/W	6.50/3.80	5.80/3.80	6.10/3.60
Energy label		A++/A	A+/A	A++/A
Yearly energy consumption	kWh	662/3.500	742/3.500	706/3.695
EER / COP	W/W	3.24/3.73	3.23/3.73	3/3.73
Standard current (cooling)	A	17.30	17.80	18.00
Standard input (cooling)	W	3.800	3.810	4.100
Standard current (heating)	A	15.00	15.00	15.00
Standard input (heating)	W	3.300	3.300	3.300
Outdoor airflow	m³/h	3.850		
Outdoor sound pressure level	dB(A)	63		
Outdoor sound power level	dB(A)	72		
Dimension (W×D×H)	mm	946×410×810		
Weight	Kg	74.10		
Refrigerant charge amount, R-32	Kg	2.90		
Flare connections (liquid-gas)		4×(1/4”- 3/8”) + 1×(1/4”- 1/2”)		
Chargeless pipe length	m	7.50×5		
Additional charge	g/m	12		
max. length for all rooms	m	80		
max. length for one indoor unit	m	35		
max. height difference between IDU and CDU	m	15		
max. height difference between indoor units	m	10		
Temp range cooling	°C	-15-50		
Temp range heating	°C	-15-24		
Power supply	V/Hz/Ph	220-240/50/1		

W×D×H: Width × Depth × Height

MULTI CDUS CONNECTED WITH HYDRAULIC MODULE

OUTDOOR MODEL					38QUS027D8S3-A	38QUS036D8S4-A	38QUS042D8S5-1
IDU | HYDRAULIC MODULE					40ATW027-1	40ATW027-1	40ATW027-1
Power supply				V/Hz/Ph	220-240/-50/1	220-240/-50/1	220-240/-50/1
Air-to-water	Heating (A7W35)	Capacity		BTU/H	20.472	27.296	27.296
		Capacity		kW	6,00	8,00	8,00
		Power input		kW	1,65	2,15	2,00
		COP		W/W	3.64	3.72	4.00
	Heating (A7W45)	Capacity		BTU/H	20.472	27.297	27.297
		Capacity		kW	6,00	8,00	8,00
		Power input		kW	2,05	2,80	2,75
		COP		W/W	2.93	2.86	2.91
	Heating (A7W55)	Capacity		BTU/H	20.472	27.297	27.297
		Capacity		kW	6,00	8,00	8,00
		Power input		kW	2,45	3,75	3,70
		COP		W/W	2.45	2.13	2.16
	Heating (A2W35)	Capacity		BTU/H	20.472	27.297	27.297
		Capacity		kW	6,00	8,00	8,00
		Power input		kW	1,71	2,28	2,42
		COP		W/W	3.50	3.50	3.30
	Heating (A2W55)	Capacity		BTU/H	20.472	27.297	27.297
		Capacity		kW	6,00	8,00	8,00
		Power input		kW	2,86	3,81	4,00
		COP		W/W	2.10	2.10	2.00
	Heating (A-7W35)	Capacity		BTU/H	20.472	27.297	27.297
		Capacity		kW	6,00	8,00	8,00
		Power input		kW	2,40	3,20	3,48
		COP		W/W	2.50	2.50	2.30
	Heating (A-7W55)	Capacity		BTU/H	18.766	23.884	23.884
		Capacity		kW	5,50	7,00	7,00
		Power input		kW	3,44	4,38	4,67
		COP		W/W	1.60	1.60	1.50
	Heating (A7W35)	RANK			A++	A++	A++
		SCOP			3.83	3.83	3.83
		η_s		%	150	150	150
	Heating (A7W55)	RANK			A+	A+	A+
		SCOP			2.83	2.83	2.83
		η_s		%	110	110	110
Hydraulic module	Dimension (W×D×H)			mm	918×490×325	918×490×325	918×490×325
	Packing (W×D×H)			mm	1.055×570×415	1.055×570×415	1.055×570×415
	Net/gross weight			Kg	56/64	56/64	56/64
	Electrical heater	Power		W	3100	3100	3100
		Current		A	13.50	13.50	13
	Sound pressure level			dB(A)	34	31	38
	Sound power Level			dB(A)	52	52	52
Indoor temperature range (ATW)	Heating	Room temperature		°C	0-30	0-30	0-30
		Flow temperature		°C	25-60	25-60	25-60
	Domestic hot water	Room temperature		°C	0-43	0-43	0-43
		Flow temperature		°C	35-55	35-55	35-55
Outdoor unit	Dimension (W×D×H)			mm	890×342×673	946×410×810	946×410×810
	Packing (W×D×H)			mm	1.030×438×750	1.090×500×885	1.090×500×885
	Net/Gross weight			Kg	48/51.80	66/70.90	74.10/79.50
	Refrigerant	Type			R-32	R-32	R-32
		GWP			675	675	675
		Charged quantity		Kg	1.80	1.80	2.90
	Sound pressure level			dB(A)	61.50	61.50	62
	Sound power level			dB(A)	65	70	70
Refrigerant piping	Liquid side / Gas side			mm(inch)	3×6.35mm(3×1/4in)/ 3×9.52mm(3×3/8in)	4×6.35mm(4×1/4in)/ 3×9.52mm+1×12.7mm (3×3/8in+1×1/2in)	5×6.35mm(5×1/4in)/ 4×9.52mm+1×12.7mm (4×3/8in+1×1/2in)
	Max . length for all rooms			m	60	80	80
	Max . length for one indoor unit			m	20	20	20
	Max . height difference between indoor and outdoor unit			m	15	15	15
	Max . height difference between indoor units			m	10	10	10
Outdoor temperature range	Air-to-water	Heating		°C	-15-24	-15-24	-15-24
		Domestic hot water		°C	-15-43	-15-43	-15-43

Notes:
1.Heating capacity @fixed frequency.
2.Heating capcity test is only Hydraulic Module operate, the air Idus are only standby.
3.The performance and sound power level according to EU regulations.

INDOOR UNITS TECHNICAL CHARACTERISTICS

INDOOR UNIT - HI-WALL		42QHG007D8S*	42QHG009D8S*	42QHG012D8S*	42QHG018D8S*	42QHG024D8S*
Cooling capacity	kW	2,05	2,64	3,52	5,28	7,04
Heating capacity	kW	2,05	2,64	3,52	5,28	7,04
Indoor fan motor input	W	22	22	20	36	60
Indoor fan motor max. current	A	0.50	0.50	0.50	0.50	0.70
Sound power level	dB(A)	56	56	56	58	63
Sound pressure level (min.~max.)	dB(A)	20-37	20-37	20-37	21-41	22-47
Airflow (min.~max.)	m³/h	180-460	180-460	195-530	300-800	480-1.090
Weight	Kg	8	8	8.70	11.20	13.60
Dimensions (W×D×H)	mm	726×210×291	726×210×291	835×208×295	969×241×320	1.083×244×336
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1

INDOOR UNIT - CONSOLE		42QZY012D8S	42QZY018D8S
Cooling capacity	kW	3,70	4,90
Heating capacity	kW	4,05	5,20
Sound power level	dB(A)	54	55
Sound pressure level (H/M/L)	dB(A)	37/34/27	41/38/32
Airflow (H/M/L)	m³/h	650/580/490	780/690/600
Weight	Kg	14.90	15
Dimensions (W×D×H)	mm	794×200×621	794×200×621
Flare connections (gas-liquid)		1/4''-3/8''	1/4''-1/2''
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1

INDOOR UNIT - CONSOLE / UNDER CEILING		42QZL018D8SN	42QZL024D8SN
Cooling capacity	kW	5,28	7,04
Heating capacity	kW	5,28	7,04
Indoor fan motor input	W	98	98
Indoor fan motor max. current	A	0.94	0.94
Sound power level	dB(A)	58	55
Sound pressure level (high/med/low)	dB(A)	44/41/37	51/47/43
Airflow (high/med/low)	m³/h	960/840/725	1.190/1.025/850
Weight	Kg	28	28
Dimensions (W×D×H)	mm	1.068×675×235	1.068×675×235
Flare connections (liquid-gas)		1/4"-1/2"	3/8"-5/8"
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1

W×D×H: Width × Depth × Height

INDOOR UNITS TECHNICAL CHARACTERISTICS

INDOOR UNIT - CASSETTE		42QTD007D8SN	42QTD009D8SN	42QTD012D8SN	42QTD018D8SN	42QTD024D8SN
Cooling capacity	kW	2,05	2,64	3,52	5,28	7,04
Heating capacity	kW	2,05	2,64	3,52	5,28	7,04
Indoor fan motor input	W	145	145	145	145	120
Indoor fan motor max. current	A	0.47	0.47	0.47	0.47	0.39
Sound power level	dB(A)	58	58	57	58	59
Sound pressure level (high/med/low)	dB(A)	42/39/36	42/39/36	42/37.5/34.5	45.4/44/39	50/47.5/42
Airflow (high/med/low)	m³/h	560/430/390	560/430/390	570/485/390	680/585/480	1250/1120/995
Weight (Body)	Kg	15	15	16.30	16	21.60
Weight (Panel)	Kg	2.50	2.50	2.50	2.50	6
Dimensions (W×D×H) (Body)	mm	570×570×260	570×570×260	570×570×260	570×570×260	830×830×205
Dimensions (W×D×H) (Panel)	mm	647×647×50	647×647×50	647×647×50	647×647×50	950×950×55
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1

INDOOR UNIT - DUCTED		42QSS007D8SNP	42QSS009D8SNP	42QSS012D8SNP	42QSS018D8SNP	42QSS024D8SNP
Cooling capacity	kW	2,05	2,64	3,52	5,28	7,04
Heating capacity	kW	2,05	2,64	3,52	5,28	7,04
Indoor fan motor input	W	130	130	130	200	200
Indoor fan motor max. current	A	1.11	1.11	1.11	1.65	1.65
Sound power level	dB(A)	60	60	58	58	62
Sound pressure level (high/med/low)	dB(A)	42/36/30	42/36/30	34.5/32/30	42/39/35	49/46/41
Airflow (high/med/low)	m³/h	580/480/300	580/480/300	600/480/300	910/710/515	1230/1.035/825
External static pressure	Pa	0-30	0-30	0-60	0-100	0-160
Weight	Kg	18	18	17.80	24.40	32.30
Dimensions (W×D×H)	mm	700×450×200	700×450×200	700×506×200	880×674×210	1.100×774×249
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1

W×D×H: Width × Depth × Height

INDOOR COMBINATIONS

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUS014D8S2-1 HEAT PUMP (SYSTEM 2)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)		Rated capacity (kW)(nom. cooling)		Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	2,00	—	1,23	2,00	2,90	0,30	0,62	0,77	3.23
	9	9	—	2,50	—	1,23	2,50	3,20	0,30	0,77	0,97	3.23
	12	12	—	3,50	—	1,23	3,50	3,90	0,30	1,08	1,30	3.23
	18	18	—	4,10	—	1,35	4,10	4,50	0,40	1,27	1,46	3.23
1:2	7+7	7	7	2,05	2,05	1,76	4,10	4,54	0,43	1,27	1,46	3.23
	7+9	7	9	1,79	2,31	1,76	4,10	4,54	0,43	1,27	1,46	3.23
	7+12	7	12	1,51	2,59	1,76	4,10	4,54	0,43	1,27	1,46	3.24
	9+9	9	9	2,05	2,05	1,76	4,10	4,54	0,43	1,27	1,46	3.24
	9+12	9	12	1,76	2,34	1,76	4,10	4,54	0,43	1,27	1,46	3.24

38QUS014D8S2-1 HEAT PUMP (SYSTEM 2)

HEATING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)		Rated capacity (kW)(nom. heating)		Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	2,45	—	1,41	2,50	2,82	0,28	0,67	0,83	3.75
	9	9	—	2,92	—	1,41	2,90	3,36	0,28	0,78	0,97	3.73
	12	12	—	3,75	—	1,41	3,80	4,31	0,28	1,02	1,23	3.72
	18	18	—	4,70	—	1,55	4,70	5,20	0,38	1,27	1,32	3.71
1:2	7+7	7	7	2,35	2,35	2,02	4,70	5,20	0,39	1,15	1,32	4.10
	7+9	7	9	2,06	2,64	2,02	4,70	5,20	0,39	1,15	1,32	4.10
	7+12	7	12	1,75	3,00	2,02	4,75	5,26	0,39	1,19	1,32	4.00
	9+9	9	9	2,38	2,38	2,02	4,75	5,26	0,39	1,19	1,32	4.00
	9+12	9	12	2,04	2,71	2,02	4,75	5,26	0,39	1,19	1,32	4.00

38QUS018D8S2-2 HEAT PUMP (SYSTEM 2)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)		Rated capacity (kW)(nom. cooling)		Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	2,00	—	1,40	2,00	2,90	0,35	0,62	0,77	3.24
	9	9	—	2,50	—	1,40	2,50	3,20	0,35	0,77	0,96	3.24
	12	12	—	3,50	—	1,40	3,50	3,90	0,35	1,07	1,29	3.26
	18	18	—	5,00	—	1,61	5,00	5,41	0,45	1,55	2,01	3.23
1:2	7+7	7	7	2,10	2,10	2,08	4,20	5,51	0,53	1,05	2,17	4.00
	7+9	7	9	2,06	2,64	2,08	4,70	5,72	0,53	1,24	2,17	3.80
	7+12	7	12	1,95	3,35	2,08	5,30	6,29	0,53	1,64	2,17	3.23
	9+9	9	9	2,60	2,60	2,08	5,20	6,29	0,53	1,61	2,17	3.23
	9+12	9	12	2,31	3,09	2,08	5,40	6,29	0,53	1,67	2,17	3.23
	12+12	12	12	2,70	2,70	2,08	5,40	6,29	0,53	1,67	2,17	3.23

38QUS018D8S2-2 HEAT PUMP (SYSTEM 2)

HEATING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)		Rated capacity (kW)(nom. heating)		Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	2,50	—	1,54	2,50	3,03	0,32	0,67	0,84	3.73
	9	9	—	3,00	—	1,54	3,00	3,63	0,32	0,80	1,01	3.73
	12	12	—	3,80	—	1,54	3,80	4,60	0,32	1,01	1,22	3.75
	18	18	—	5,30	—	1,71	5,30	5,72	0,42	1,43	1,72	3.71
1:2	7+7	7	7	2,50	2,50	2,20	5,00	5,94	0,47	1,22	1,86	4.10
	7+9	7	9	2,32	2,98	2,20	5,30	6,05	0,47	1,29	1,86	4.10
	7+12	7	12	2,03	3,47	2,20	5,50	6,66	0,47	1,43	1,86	3.85
	9+9	9	9	2,75	2,75	2,20	5,50	6,66	0,47	1,38	1,86	4.00
	9+12	9	12	2,40	3,20	2,20	5,60	6,66	0,47	1,45	1,86	3.85
	12+12	12	12	2,80	2,80	2,20	5,60	6,66	0,47	1,45	1,86	3.85

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUS021D8S3-1 HEAT PUMP (SYSTEM 3)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)			Rated capacity (kW)(nom. cooling)			Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	2,00	—	—	1,43	2,00	2,90	0,38	0,62	0,78	3.21
	9	9	—	—	2,50	—	—	1,43	2,50	3,20	0,38	0,78	0,97	3.21
	12	12	—	—	3,50	—	—	1,43	3,50	3,90	0,38	1,09	1,31	3.21
	18	18	—	—	5,00	—	—	1,65	5,00	6,50	0,48	1,55	1,79	3.22
1:2	7+7	7	7	—	2,10	2,10	—	2,01	4,20	5,49	0,56	1,31	1,88	3.21
	7+9	7	9	—	2,06	2,64	—	2,01	4,70	5,80	0,56	1,46	1,98	3.21
	7+12	7	12	—	1,95	3,35	—	2,01	5,30	6,10	0,56	1,65	2,07	3.21
	7+18	7	18		1,76	4,54	—	2,01	6,30	6,83	0,56	1,94	2,17	3.24
	9+9	9	9	—	2,65	2,65	—	2,01	5,30	6,41	0,56	1,65	2,07	3.21
	9+12	9	12	—	2,57	3,43	—	2,01	6,00	6,59	0,56	1,85	2,11	3.24
	9+18	9	18	—	2,10	4,20	—	2,01	6,30	6,83	0,56	1,94	2,17	3.24
	12+12	12	12	—	3,10	3,10	—	2,01	6,20	6,83	0,56	1,91	2,17	3.24
1:3	7+7+7	7	7	7	2,03	2,03	2,03	2,44	6,10	7,20	0,68	1,88	2,35	3.24
	7+7+9	7	7	9	1,92	1,92	2,47	2,44	6,30	7,26	0,68	1,94	2,35	3.24
	7+7+12	7	7	12	1,70	1,70	2,91	2,44	6,30	7,32	0,68	1,94	2,35	3.24
	7+9+9	7	9	9	1,76	2,27	2,27	2,44	6,30	7,32	0,68	1,94	2,35	3.24
	9+9+9	9	9	9	2,10	2,10	2,10	2,44	6,30	7,32	0,68	1,94	2,35	3.24

38QUS021D8S3-1 HEAT PUMP (SYSTEM 3)

HEATING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)			Rated capacity (kW)(nom. heating)			Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	2,50	—	—	1,43	2,50	3,03	0,35	0,73	0,92	3.41
	9	9	—	—	3,00	—	—	1,43	3,00	3,63	0,35	0,88	1,10	3.41
	12	12	—	—	3,80	—	—	1,43	3,80	4,60	0,35	1,11	1,34	3.41
	18	18	—	—	5,30	—	—	1,82	5,30	6,94	0,45	1,54	2,07	3.45
1:2	7+7	7	7	—	2,50	2,50	—	2,22	5,00	6,07	0,54	1,39	1,80	3.61
	7+9	7	9	—	2,45	3,15	—	2,22	5,60	6,40	0,54	1,55	1,89	3.61
	7+12	7	12	—	2,21	3,79	—	2,22	6,00	6,74	0,54	1,64	1,98	3.65
	7+18	7	18		1,79	4,61	—	2,22	6,40	7,55	0,54	1,76	2,07	3.63
	9+9	9	9	—	3,00	3,00	—	2,22	6,00	7,08	0,54	1,64	1,98	3.65
	9+12	9	12	—	2,74	3,66	—	2,22	6,40	7,28	0,54	1,75	2,01	3.65
	9+18	9	18	—	2,13	4,27	—	2,22	6,40	7,55	0,54	1,77	2,07	3.62
	12+12	12	12	—	3,20	3,20	—	2,22	6,40	7,55	0,54	1,75	2,07	3.65
1:3	7+7+7	7	7	7	2,25	2,25	2,25	2,70	6,74	7,95	0,65	1,80	2,25	3.75
	7+7+9	7	7	9	2,07	2,07	2,66	2,70	6,80	7,95	0,65	1,81	2,25	3.75
	7+7+12	7	7	12	1,86	1,86	3,18	2,70	6,90	8,09	0,65	1,84	2,25	3.75
	7+9+9	7	9	9	1,93	2,48	2,48	2,70	6,90	8,09	0,65	1,84	2,25	3.75
	9+9+9	9	9	9	2,30	2,30	2,30	2,70	6,90	8,09	0,65	1,84	2,25	3.75

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUS027D8S3-2 / 38QUS027D8S3-A HEAT PUMP (SYSTEM 3)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)			Rated capacity (kW)(nom. cooling)			Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	2,00	—	—	1,58	2,00	2,90	0,40	0,62	0,78	3.21
	9	9	—	—	2,50	—	—	1,58	2,50	3,20	0,40	0,78	0,97	3.21
	12	12	—	—	3,50	—	—	1,58	3,50	3,90	0,40	1,09	1,31	3.21
	18	18	—	—	5,00	—	—	1,78	5,00	6,50	0,50	1,55	1,79	3.22
1:2	7+7	7	7	—	2,10	2,10	—	2,21	4,20	6,32	0,64	1,30	2,08	3.23
	7+9	7	9	—	2,06	2,64	—	2,21	4,70	6,72	0,64	1,46	2,20	3.23
	7+12	7	12	—	1,95	3,35	—	2,21	5,30	7,11	0,64	1,64	2,45	3.23
	7+18	7	18	—	1,82	4,68	—	2,21	6,50	7,90	0,64	2,01	2,69	3.23
	9+9	9	9	—	2,65	2,65	—	2,21	5,30	7,11	0,64	1,64	2,45	3.23
	9+12	9	12	—	2,57	3,43	—	2,21	6,00	7,51	0,64	1,86	2,57	3.23
	9+18	9	18	—	2,27	4,53	—	2,21	6,80	7,90	0,64	2,11	2,69	3.23
	12+12	12	12	—	3,15	3,15	—	2,21	6,30	7,66	0,64	1,95	2,64	3.23
	12+18	12	18	—	2,72	4,08	—	2,21	6,80	7,90	0,64	2,11	2,69	3.23
1:3	7+7+7	7	7	7	2,43	2,43	2,43	2,77	7,30	8,69	0,76	2,26	2,91	3.23
	7+7+9	7	7	9	2,25	2,25	2,90	2,77	7,40	8,69	0,76	2,29	2,91	3.23
	7+7+12	7	7	12	2,13	2,13	3,65	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	7+7+18	7	7	18	1,73	1,73	4,44	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	7+9+9	7	9	9	2,13	2,74	2,74	2,77	7,60	8,69	0,76	2,35	2,91	3.23
	7+9+12	7	9	12	1,98	2,54	3,39	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	7+9+18	7	9	18	1,63	2,09	4,18	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	7+12+12	7	12	12	1,78	3,06	3,06	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	9+9+9	9	9	9	2,63	2,63	2,63	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	9+9+12	9	9	12	2,37	2,37	3,16	2,77	7,90	8,69	0,76	2,45	2,91	3.23
	9+12+12	9	12	12	2,15	2,87	2,87	2,77	7,90	8,69	0,76	2,45	2,91	3.23

38QUS027D8S3-2 / 38QUS027D8S3-A HEAT PUMP (SYSTEM 3)

HEATING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)			Rated capacity (kW)(nom. heating)			Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	2,50	—	—	1,58	2,50	2,90	0,40	0,69	0,87	3.61
	9	9	—	—	3,00	—	—	1,58	3,00	3,20	0,40	0,83	1,04	3.61
	12	12	—	—	3,80	—	—	1,58	3,80	3,90	0,40	1,05	1,26	3.61
	18	18	—	—	5,60	—	—	1,82	5,60	6,95	0,50	1,55	1,78	3.61
1:2	7+7	7	7	—	2,50	2,50	—	2,21	5,00	6,32	0,55	1,38	1,81	3.62
	7+9	7	9	—	2,45	3,15	—	2,21	5,60	6,72	0,55	1,54	1,91	3.63
	7+12	7	12	—	2,21	3,79	—	2,21	6,00	7,11	0,55	1,61	2,12	3.72
	7+18	7	18	—	1,96	5,04	—	2,21	7,00	7,90	0,55	1,88	2,34	3.73
	9+9	9	9	—	3,00	3,00	—	2,21	6,00	7,11	0,55	1,61	2,12	3.72
	9+12	9	12	—	2,70	3,60	—	2,21	6,30	7,51	0,55	1,69	2,23	3.73
	9+18	9	18	—	2,33	4,67	—	2,21	7,00	7,90	0,55	1,88	2,34	3.72
	12+12	12	12	—	3,25	3,25	—	2,21	6,50	7,66	0,55	1,74	2,29	3.73
	12+18	12	18	—	2,80	4,20	—	2,21	7,00	7,90	0,55	1,88	2,34	3.72
1:3	7+7+7	7	7	7	2,27	2,27	2,27	2,77	6,80	8,69	0,66	1,82	2,53	3.73
	7+7+9	7	7	9	2,13	2,13	2,74	2,77	7,00	8,69	0,66	1,88	2,53	3.72
	7+7+12	7	7	12	2,05	2,05	3,52	2,77	7,62	8,69	0,66	2,04	2,53	3.73
	7+7+18	7	7	18	1,75	1,75	4,50	2,77	8,00	8,69	0,66	2,15	2,53	3.72
	7+9+9	7	9	9	2,13	2,74	2,74	2,77	7,62	8,69	0,66	2,04	2,53	3.73
	7+9+12	7	9	12	1,98	2,54	3,39	2,77	7,90	8,69	0,66	2,12	2,53	3.72
	7+9+18	7	9	18	1,65	2,12	4,24	2,77	8,00	8,69	0,66	2,15	2,53	3.72
	7+12+12	7	12	12	1,81	3,10	3,10	2,77	8,00	8,69	0,66	2,15	2,53	3.72
	9+9+9	9	9	9	2,63	2,63	2,63	2,77	7,90	8,69	0,66	2,12	2,53	3.72
	9+9+12	9	9	12	2,40	2,40	3,20	2,77	8,00	8,69	0,66	2,15	2,53	3.72
	9+12+12	9	12	12	2,18	2,91	2,91	2,77	8,00	8,69	0,66	2,15	2,53	3.72

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUS028D8S4 HEAT PUMP (SYSTEM 4)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)				Rated capacity (kW)(nom. cooling)				Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	—	2,00	—	—	—	1,52	2,00	2,90	0,40	0,62	0,78	3.21
	9	9	—	—	—	2,50	—	—	—	1,52	2,50	3,20	0,40	0,78	0,97	3.21
	12	12	—	—	—	3,50	—	—	—	1,52	3,50	3,90	0,40	1,09	1,31	3.21
	18	18	—	—	—	5,00	—	—	—	1,72	5,00	6,50	0,50	1,55	1,79	3.22
	24	24	—	—	—	7,00	—	—	—	1,89	7,00	8,20	0,65	2,17	2,28	3.22
1:2	7+7	7	7	—	—	2,10	2,10	—	—	2,05	4,20	6,08	0,62	1,31	1,98	3.21
	7+9	7	9	—	—	2,06	2,64	—	—	2,05	4,70	6,40	0,62	1,46	2,10	3.21
	7+12	7	12	—	—	1,95	3,35	—	—	2,05	5,30	6,81	0,62	1,65	2,23	3.21
	7+18	7	18	—	—	1,96	5,04	—	—	2,05	7,00	7,55	0,62	2,18	2,72	3.21
	7+24	7	24	—	—	2,03	6,97	—	—	2,05	9,00	8,78	0,62	2,80	2,94	3.21
	9+9	9	9	—	—	2,65	2,65	—	—	2,05	5,30	6,81	0,62	1,65	2,23	3.21
	9+12	9	12	—	—	2,57	3,43	—	—	2,05	6,00	6,98	0,62	1,87	2,35	3.21
	9+18	9	18	—	—	2,43	4,87	—	—	2,05	7,30	7,55	0,62	2,27	2,72	3.21
	9+24	9	24	—	—	2,70	7,20	—	—	2,05	9,90	8,37	0,62	3,08	2,97	3.21
	12+12	12	12	—	—	3,25	3,25	—	—	2,05	6,50	7,39	0,62	2,02	2,42	3.21
	12+18	12	18	—	—	2,92	4,38	—	—	2,05	7,30	7,55	0,62	2,27	2,72	3.21
	12+24	12	24	—	—	3,17	6,33	—	—	2,05	9,50	7,96	0,62	2,96	2,99	3.21
	18+18	18	18	—	—	3,75	3,75	—	—	2,05	7,50	7,55	0,62	2,34	2,72	3.21
1:3	7+7+7	7	7	7	—	2,00	2,00	2,00	—	2,63	6,00	8,46	0,74	1,85	2,87	3.25
	7+7+9	7	7	9	—	1,98	1,98	2,54	—	2,63	6,50	8,46	0,74	2,00	2,87	3.25
	7+7+12	7	7	12	—	1,91	1,91	3,28	—	2,63	7,10	8,46	0,74	2,18	2,87	3.25
	7+7+18	7	7	18	—	1,71	1,71	4,39	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
	7+9+9	7	9	9	—	1,90	2,45	2,68	—	2,63	6,80	8,46	0,74	2,09	2,87	3.25
	7+9+12	7	9	12	—	1,88	2,41	3,21	—	2,63	7,50	8,46	0,74	2,31	2,87	3.25
	7+9+18	7	9	18	—	1,61	2,06	4,13	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
	7+12+12	7	12	12	—	1,76	3,02	3,02	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
	9+9+9	9	9	9	—	2,37	2,37	2,37	—	2,63	7,10	8,46	0,74	2,18	2,87	3.25
	9+9+12	9	9	12	—	2,34	2,34	3,12	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
	9+9+18	9	9	18	—	1,95	1,95	3,90	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
	9+12+12	9	12	12	—	2,13	2,84	2,84	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
	12+12+12	12	12	12	—	2,60	2,60	2,60	—	2,63	7,80	8,46	0,74	2,40	2,87	3.25
1:4	7+7+7+7	7	7	7	7	2,05	2,05	2,05	2,05	3,04	8,21	9,93	0,84	2,47	3,09	3.32
	7+7+7+9	7	7	7	9	1,92	1,92	1,92	2,46	3,04	8,21	9,93	0,84	2,47	3,09	3.32
	7+7+7+12	7	7	7	12	1,74	1,74	1,74	2,99	3,04	8,21	9,93	0,84	2,47	3,09	3.32
	7+7+9+9	7	7	9	9	1,80	1,80	2,31	2,31	3,04	8,21	9,93	0,84	2,47	3,09	3.32
	7+7+9+12	7	7	9	12	1,64	1,64	2,11	2,81	3,04	8,21	9,93	0,84	2,49	3,09	3.30
	7+9+9+9	7	9	9	9	1,69	2,17	2,17	2,17	3,04	8,21	9,93	0,84	2,48	3,09	3.31
	9+9+9+9	9	9	9	9	2,05	2,05	2,05	2,05	3,04	8,21	9,93	0,84	2,50	3,09	3.29

38QUS028D8S4 HEAT PUMP (SYSTEM 4)

HEATING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)				Rated capacity (kW)(nom. heating)				Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	—	2,50	—	—	—	1,68	2,50	2,90	0,40	0,69	0,87	3.61
	9	9	—	—	—	3,00	—	—	—	1,68	3,00	3,20	0,40	0,83	1,04	3.61
	12	12	—	—	—	3,80	—	—	—	1,68	3,80	3,90	0,40	1,05	1,26	3.61
	18	18	—	—	—	5,60	—	—	—	1,91	5,60	7,01	0,50	1,55	1,78	3.61
	24	24	—	—	—	7,60	—	—	—	1,91	7,60	8,50	0,70	2,11	2,21	3.61
1:2	7+7	7	7	—	—	2,50	2,50	—	—	2,28	5,00	6,73	0,61	1,39	1,96	3.61
	7+9	7	9	—	—	2,45	3,15	—	—	2,28	5,60	7,10	0,61	1,55	2,08	3.61
	7+12	7	12	—	—	2,21	3,79	—	—	2,28	6,00	7,55	0,61	1,66	2,20	3.61
	7+18	7	18	—	—	2,18	5,62	—	—	2,28	7,80	8,37	0,61	2,16	2,69	3.61
	7+24	7	24	—	—	2,21	7,59	—	—	2,28	9,80	9,74	0,61	2,71	2,91	3.61
	9+9	9	9	—	—	3,00	3,00	—	—	2,28	6,00	7,55	0,61	1,66	2,20	3.61
	9+12	9	12	—	—	3,00	4,00	—	—	2,28	7,00	7,74	0,61	1,94	2,32	3.61
	9+18	9	18	—	—	2,63	5,27	—	—	2,28	7,90	8,37	0,61	2,19	2,69	3.61
	9+24	9	24	—	—	2,59	6,91	—	—	2,28	9,50	9,28	0,61	2,63	2,94	3.61
	12+12	12	12	—	—	3,75	3,75	—	—	2,28	7,50	8,19	0,61	2,08	2,40	3.61
	12+18	12	18	—	—	3,20	4,80	—	—	2,28	8,00	8,37	0,61	2,22	2,69	3.61
	12+24	12	24	—	—	3,33	6,67	—	—	2,28	10,00	8,37	0,61	2,77	2,69	3.61
	18+18	18	18	—	—	4,00	4,00	—	—	2,28	8,00	8,37	0,61	2,22	2,69	3.61
1:3	7+7+7	7	7	7	—	2,33	2,33	2,33	—	2,91	7,00	9,37	0,73	1,92	2,84	3.65
	7+7+9	7	7	9	—	2,37	2,37	3,05	—	2,91	7,80	9,37	0,73	2,14	2,84	3.65
	7+7+12	7	7	12	—	2,29	2,29	3,92	—	2,91	8,50	9,37	0,73	2,28	2,84	3.73
	7+7+18	7	7	18	—	1,93	1,93	4,95	—	2,91	8,80	9,37	0,73	2,37	2,84	3.72
	7+9+9	7	9	9	—	2,38	3,06	2,68	—	2,91	8,50	9,37	0,73	2,28	2,84	3.73
	7+9+12	7	9	12	—	2,20	2,83	3,77	—	2,91	8,80	9,37	0,73	2,36	2,84	3.73
	7+9+18	7	9	18	—	1,81	2,33	4,66	—	2,91	8,80	9,37	0,73	2,37	2,84	3.72
	7+12+12	7	12	12	—	1,99	3,41	3,41	—	2,91	8,80	9,37	0,73	2,36	2,84	3.73
	9+9+9	9	9	9	—	2,93	2,93	2,93	—	2,91	8,80	9,37	0,73	2,36	2,84	3.73
	9+9+12	9	9	12	—	2,64	2,64	3,52	—	2,91	8,80	9,37	0,73	2,36	2,84	3.73
	9+9+18	9	9	18	—	2,20	2,20	4,40	—	2,91	8,80	9,37	0,73	2,37	2,84	3.72
	9+12+12	9	12	12	—	2,40	3,20	3,20	—	2,91	8,80	9,37	0,73	2,37	2,84	3.72
	12+12+12	12	12	12	—	2,93	2,93	2,93	—	2,91	8,80	9,37	0,73	2,37	2,84	3.72
1:4	7+7+7+7	7	7	7	7	2,28	2,28	2,28	2,28	3,37	9,10	11,01	0,83	2,45	3,06	3.72
	7+7+7+9	7	7	7	9	2,12	2,12	2,12	2,73	3,37	9,10	11,01	0,83	2,45	3,06	3.72
	7+7+7+12	7	7	7	12	1,93	1,93	1,93	3,31	3,37	9,10	11,01	0,83	2,45	3,06	3.72
	7+7+9+9	7	7	9	9	1,99	1,99	2,56	2,56	3,37	9,10	11,01	0,83	2,45	3,06	3.72
	7+7+9+12	7	7	9	12	1,82	1,82	2,34	3,12	3,37	9,10	11,01	0,83	2,45	3,06	3.72
	7+9+9+9	7	9	9	9	1,87	2,41	2,41	2,41	3,37	9,10	11,01	0,83	2,45	3,06	3.72
	9+9+9+9	9	9	9	9	2,28	2,28	2,28	2,28	3,37	9,10	11,01	0,83	2,45	3,06	3.72

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUS036D8S4-1 / 38QUS036D8S4-A HEAT PUMP (SYSTEM 4)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)				Rated capacity (kW)(nom. cooling)				Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	—	2,00	—	—	—	1,59	2,00	2,90	0,45	0,62	0,78	3.21
	9	9	—	—	—	2,50	—	—	—	1,59	2,50	3,20	0,45	0,78	0,97	3.21
	12	12	—	—	—	3,50	—	—	—	1,59	3,50	3,90	0,45	1,09	1,31	3.21
	18	18	—	—	—	5,00	—	—	—	1,80	5,00	6,50	0,58	1,56	1,79	3.21
	24	24	—	—	—	7,00	—	—	—	2,01	7,00	8,00	0,62	2,18	2,29	3.21
1:2	7+7	7	7	—	—	2,10	2,10	—	—	2,23	4,20	6,36	0,63	1,31	2,15	3.21
	7+9	7	9	—	—	2,06	2,64	—	—	2,23	4,70	6,57	0,63	1,46	2,31	3.21
	7+12	7	12	—	—	2,03	3,47	—	—	2,23	5,50	6,89	0,63	1,71	2,48	3.21
	7+24	7	24	—	—	2,05	7,05	—	—	2,23	9,10	11,21	0,63	2,83	3,14	3.21
	7+18	7	18	—	—	1,96	5,04	—	—	2,23	7,00	8,48	0,63	2,18	2,91	3.21
	9+9	9	9	—	—	2,65	2,65	—	—	2,23	5,30	6,89	0,63	1,65	2,48	3.21
	9+12	9	12	—	—	2,57	3,43	—	—	2,23	6,00	7,42	0,63	1,87	2,64	3.21
	9+18	9	18	—	—	2,50	5,00	—	—	2,23	7,50	9,54	0,63	2,34	2,97	3.21
	9+24	9	24	—	—	2,65	7,05	—	—	2,23	9,70	11,80	0,63	3,02	3,30	3.21
	12+12	12	12	—	—	3,50	3,50	—	—	2,23	7,00	7,95	0,63	2,18	2,81	3.21
	12+18	12	18	—	—	3,40	5,10	—	—	2,23	8,50	10,07	0,63	2,65	2,97	3.21
	12+24	12	24	—	—	3,33	6,67	—	—	2,23	10,00	11,80	0,63	3,12	3,24	3.21
	18+18	18	18	—	—	5,00	5,00	—	—	2,23	10,00	10,60	0,63	3,12	3,30	3.21
1:3	7+7+7	7	7	7	—	2,00	2,00	2,00	—	2,86	6,00	7,42	0,79	1,85	2,97	3.25
	7+7+9	7	7	9	—	1,98	1,98	2,54	—	2,86	6,50	7,95	0,79	2,01	3,14	3.23
	7+7+12	7	7	12	—	2,02	2,02	3,46	—	2,86	7,50	9,01	0,79	2,33	3,30	3.22
	7+7+18	7	7	18	—	1,97	1,97	5,06	—	2,86	9,00	11,66	0,79	2,80	3,63	3.21
	7+7+24	7	7	24	—	2,03	2,03	6,95	—	2,86	11,00	13,25	0,79	3,42	3,80	3.22
	7+9+9	7	9	9	—	1,96	2,52	2,52	—	2,86	7,00	9,01	0,79	2,17	3,30	3.23
	7+9+12	7	9	12	—	2,00	2,57	3,43	—	2,86	8,00	10,07	0,79	2,48	3,47	3.22
	7+9+18	7	9	18	—	1,96	2,51	5,03	—	2,86	9,50	11,66	0,79	2,96	3,63	3.21
	7+9+24	7	9	24	—	2,01	2,59	6,90	—	2,86	11,50	13,25	0,79	3,57	3,83	3.22
	7+12+12	7	12	12	—	2,03	3,48	3,48	—	2,86	9,00	10,60	0,79	2,80	3,47	3.21
	7+12+18	7	12	18	—	1,89	3,24	4,86	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
	7+12+24	7	12	24	—	1,87	3,21	6,42	—	2,86	11,50	13,25	0,79	3,57	3,76	3.22
	7+18+18	7	18	18	—	1,63	4,19	4,19	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
	9+9+9	9	9	9	—	2,50	2,50	2,50	—	2,86	7,50	10,07	0,79	2,34	3,47	3.21
	9+9+12	9	9	12	—	2,55	2,55	3,40	—	2,86	8,50	10,60	0,79	2,65	3,47	3.21
	9+9+18	9	9	18	—	2,50	2,50	5,00	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
	9+9+24	9	9	24	—	2,46	2,46	6,57	—	2,86	11,50	11,66	0,79	3,57	3,63	3.22
	9+12+12	9	12	12	—	2,59	3,45	3,45	—	2,86	9,50	11,66	0,79	2,96	3,63	3.21
	9+12+18	9	12	18	—	2,31	3,08	4,62-	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
	9+12+24	9	12	24	—	2,00	2,67	5,33	—	2,86	10,00	11,66	0,79	3,11	3,63	3.22
	9+18+18	9	18	18	—	2,00	4,00	4,00	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
	12+12+12	12	12	12	—	3,33	3,33	3,33	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
	12+12+18	12	12	18	—	2,86	2,86	4,29	—	2,86	10,00	11,66	0,79	3,12	3,63	3.21
1:4	7+7+7+7	7	7	7	7	2,05	2,05	2,05	2,05	3,71	8,20	10,60	0,89	2,30	3,30	3.56
	7+7+7+9	7	7	7	9	1,98	1,98	1,98	2,55	3,71	8,50	11,66	0,89	2,50	3,47	3.40
	7+7+7+12	7	7	7	12	2,02	2,02	2,02	3,45	3,71	9,50	12,72	0,89	2,88	3,63	3.30
	7+7+7+18	7	7	7	18	1,88	1,88	1,88	4,85	3,71	10,50	13,78	0,89	3,27	4,29	3.21
	7+7+9+9	7	7	9	9	1,97	1,97	2,53	2,53	3,71	9,00	12,72	0,89	2,73	3,63	3.30
	7+7+9+12	7	7	9	12	2,00	2,00	2,57	3,43	3,71	10,00	13,25	0,89	3,12	3,96	3.21
	7+7+9+18	7	7	9	18	1,79	1,79	2,30	4,61	3,71	10,50	13,78	0,89	3,27	4,29	3.21
	7+7+12+12	7	7	12	12	1,93	1,93	3,32	3,32	3,71	10,50	13,78	0,89	3,27	4,29	3.21
	7+9+9+9	7	9	9	9	1,96	2,51	2,51	2,51	3,71	9,50	13,25	0,89	2,94	3,80	3.23
	7+9+9+12	7	9	9	12	2,01	2,58	2,58	3,44	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	7+9+9+18	7	9	9	18	1,73	2,22	2,22	4,44	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	7+9+12+12	7	9	12	12	1,86	2,39	3,18	3,18	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	7+12+12+12	7	12	12	12	1,73	2,96	2,96	2,96	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	9+9+9+9	9	9	9	9	2,65	2,65	2,65	2,65	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	9+9+9+12	9	9	9	12	2,45	2,45	2,45	3,26	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	9+9+9+18	9	9	9	18	2,12	2,12	2,12	4,24	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	9+9+12+12	9	9	12	12	2,27	2,27	3,03	3,03	3,71	10,60	13,78	0,89	3,30	4,29	3.21
	9+12+12+12	9	12	12	12	2,12	2,83	2,83	2,83	3,71	10,60	13,78	0,89	3,30	4,29	3.21

38QUS036D8S4-1 / 38QUS036D8S4-A HEAT PUMP (SYSTEM 4)

HEATING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)				Rated capacity (kW)(nom. heating)				Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	—	2,50	—	—	—	1,80	2,50	2,90	0,45	0,69	0,86	3.62
	9	9	—	—	—	3,00	—	—	—	1,80	3,00	3,20	0,45	0,83	1,04	3.62
	12	12	—	—	—	3,80	—	—	—	1,80	3,80	3,90	0,45	1,05	1,26	3.62
	18	18	—	—	—	5,60	—	—	—	2,04	5,60	7,00	0,55	1,55	1,78	3.61
	24	24	—	—	—	7,60	—	—	—	2,04	7,60	8,50	0,70	2,11	2,21	3.61
1:2	7+7	7	7	—	—	2,50	2,50	—	—	2,52	5,00	7,20	0,63	1,38	2,15	3.63
	7+9	7	9	—	—	2,45	3,15	—	—	2,52	5,60	7,44	0,63	1,54	2,31	3.63
	7+12	7	12	—	—	2,21	3,79	—	—	2,52	6,00	7,80	0,63	1,65	2,48	3.63
	7+18	7	18	—	—	2,24	5,76	—	—	2,52	8,00	9,60	0,63	2,21	2,91	3.62
	7+24	7	24	—	—	2,21	7,59	—	—	2,52	9,80	11,40	0,63	2,71	3,21	3.62
	9+9	9	9	—	—	3,00	3,00	—	—	2,52	6,00	7,80	0,63	1,65	2,48	3.63
	9+12	9	12	—	—	3,00	4,00	—	—	2,52	7,00	8,40	0,63	1,93	2,64	3.63
	9+18	9	18	—	—	2,93	5,87	—	—	2,52	8,80	10,80	0,63	2,43	2,98	3.62
	9+24	9	24	—	—	2,78	7,42	—	—	2,52	10,20	12,00	0,63	2,82	3,31	3.62
	12+12	12	12	—	—	3,75	3,75	—	—	2,52	7,50	9,00	0,63	2,07	2,81	3.62
	12+18	12	18	—	—	3,76	5,64	—	—	2,52	9,40	11,40	0,63	2,60	2,98	3.62
	12+24	12	24	—	—	3,50	7,00	—	—	2,52	10,50	12,00	0,63	2,90	3,24	3.62
	18+18	18	18	—	—	5,50	5,50	—	—	2,52	11,00	12,00	0,63	3,05	3,31	3.61
1:3	7+7+7	7	7	7	—	2,50	2,50	2,50	—	3,24	7,50	8,40	0,79	2,05	2,98	3.65
	7+7+9	7	7	9	—	2,37	2,37	3,05	—	3,24	7,80	9,00	0,79	2,14	3,14	3.65
	7+7+12	7	7	12	—	2,29	2,29	3,92	—	3,24	8,50	10,20	0,79	2,33	3,31	3.65
	7+7+18	7	7	18	—	2,52	2,52	6,47	—	3,24	11,50	13,20	0,79	3,17	3,64	3.63
	7+7+24	7	7	24	—	2,21	2,21	7,58	—	3,24	12,00	13,80	0,79	3,31	3,80	3.63
	7+9+9	7	9	9	—	2,38	3,06	3,06	—	3,24	8,50	10,20	0,79	2,33	3,31	3.65
	7+9+12	7	9	12	—	2,50	3,21	4,29	—	3,24	10,00	11,40	0,79	2,74	3,47	3.65
	7+9+18	7	9	18	—	2,37	3,04	6,09	—	3,24	11,50	13,20	0,79	3,17	3,64	3.63
	7+9+24	7	9	24	—	2,10	2,70	7,20	—	3,24	12,00	13,80	0,79	3,31	3,83	3.63
	7+12+12	7	12	12	—	2,48	4,26	4,26	—	3,24	11,00	12,00	0,79	3,03	3,47	3.63
	7+12+18	7	12	18	—	2,18	3,73	5,59	—	3,24	11,50	13,20	0,79	3,18	3,64	3.62
	7+12+24	7	12	24	—	1,95	3,35	6,70	—	3,24	12,00	13,80	0,79	3,31	3,77	3.62
	7+18+18	7	18	18	—	1,87	4,81	4,81	—	3,24	11,50	13,20	0,79	3,19	3,64	3.61
	9+9+9	9	9	9	—	3,33	3,33	3,33	—	3,24	10,00	11,40	0,79	2,75	3,47	3.63
	9+9+12	9	9	12	—	3,30	3,30	4,40	—	3,24	11,00	12,00	0,79	3,03	3,47	3.63
	9+9+18	9	9	18	—	2,88	2,88	5,75	—	3,24	11,50	13,20	0,79	3,19	3,64	3.61
	9+9+24	9	9	24	—	2,57	2,57	6,86	—	3,24	12,00	13,80	0,79	3,32	3,77	3.61
	9+12+12	9	12	12	—	3,14	4,18	4,18	—	3,24	11,50	13,20	0,79	3,17	3,64	3.63
	9+12+18	9	12	18	—	2,65	3,54	5,31	—	3,24	11,50	13,20	0,79	3,18	3,64	3.62
	9+12+24	9	12	24	—	2,30	3,07	6,13	—	3,24	11,50	13,20	0,79	3,18	3,64	3.62
	9+18+18	9	18	18	—	2,30	4,60	4,60	—	3,24	11,50	13,20	0,79	3,19	3,64	3.61
	12+12+12	12	12	12	—	3,83	3,83	3,83	—	3,24	11,50	13,20	0,79	3,17	3,64	3.63
	12+12+18	12	12	18	—	3,29	3,29	4,93	—	3,24	11,50	13,20	0,79	3,19	3,64	3.61
1:4	7+7+7+7	7	7	7	7	2,50	2,50	2,50	2,50	4,20	10,00	12,00	0,89	2,59	3,31	3.86
	7+7+7+9	7	7	7	9	2,57	2,57	2,57	3,30	4,20	11,00	12,60	0,89	2,93	3,47	3.75
	7+7+7+12	7	7	7	12	2,50	2,50	2,50	4,29	4,20	11,80	13,20	0,89	3,19	3,64	3.70
	7+7+7+18	7	7	7	18	2,15	2,15	2,15	5,54	4,20	12,00	14,40	0,89	3,29	4,30	3.65
	7+7+9+9	7	7	9	9	2,58	2,58	3,32	3,32	4,20	11,80	13,20	0,89	3,19	3,64	3.70
	7+7+9+12	7	7	9	12	2,40	2,40	3,09	4,11	4,20	12,00	13,80	0,89	3,24	3,97	3.70
	7+7+9+18	7	7	9	18	2,05	2,05	2,63	5,27	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	7+7+12+12	7	7	12	12	2,21	2,21	3,79	3,79	4,20	12,00	14,40	0,89	3,29	4,30	3.65
	7+9+9+9	7	9	9	9	2,47	3,18	3,18	3,18	4,20	12,00	13,80	0,89	3,24	3,80	3.70
	7+9+9+12	7	9	9	12	2,27	2,92	2,92	3,89	4,20	12,00	14,40	0,89	3,30	4,30	3.64
	7+9+9+18	7	9	9	18	1,95	2,51	2,51	5,02	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	7+9+12+12	7	9	12	12	2,10	2,70	3,60	3,60	4,20	12,00	14,40	0,89	3,30	4,30	3.64
	7+12+12+12	7	12	12	12	1,95	3,35	3,35	3,35	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	7+12+12+18	7	12	12	18	1,71	2,94	2,94	4,41	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	9+9+9+9	9	9	9	9	3,00	3,00	3,00	3,00	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	9+9+9+12	9	9	9	12	2,77	2,77	2,77	3,69	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	9+9+9+18	9	9	9	18	2,40	2,40	2,40	4,80	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	9+9+12+12	9	9	12	12	2,57	2,57	3,43	3,43	4,20	12,00	14,40	0,89	3,31	4,30	3.63
	9+12+12+12	9	12	12	12	2,40	3,20	3,20	3,20	4,20	12,00	14,40	0,89	3,31	4,30	3.63

38QUSO42D8S5-1 HEAT PUMP (SYSTEM 5)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)					Rated capacity (kW)(nom. cooling)					Total cooling capacity (kW)			Total power input (kW)			EER (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit E	Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	—	—	2,00	—	—	—	—	1,66	2,00	2,90	0,45	0,62	0,78	3.22
	9	9	—	—	—	—	2,50	—	—	—	—	1,66	2,50	3,20	0,45	0,78	0,97	3.22
	12	12	—	—	—	—	3,50	—	—	—	—	1,66	3,50	3,90	0,45	1,09	1,30	3.22
	18	18	—	—	—	—	5,00	—	—	—	—	1,85	5,00	6,50	0,58	1,56	1,79	3.21
	24	24	—	—	—	—	7,00	—	—	—	—	2,09	7,00	8,20	0,70	2,18	2,29	3.21
1:2	7+7	7	7	—	—	—	2,10	2,10	—	—	—	2,34	4,20	7,38	0,63	1,30	2,16	3.23
	7+9	7	9	—	—	—	2,06	2,64	—	—	—	2,34	4,70	7,63	0,63	1,46	2,31	3.23
	7+12	7	12	—	—	—	2,03	3,47	—	—	—	2,34	5,50	8,00	0,63	1,70	2,50	3.23
	7+18	7	18	—	—	—	1,96	5,04	—	—	—	2,34	7,00	9,84	0,63	2,17	2,65	3.23
	7+24	7	24	—	—	—	2,05	7,05	—	—	—	2,34	9,10	11,69	0,63	2,83	2,98	3.21
	9+9	9	9	—	—	—	2,65	2,65	—	—	—	2,34	5,30	8,00	0,63	1,64	2,50	3.23
	9+12	9	12	—	—	—	2,57	3,43	—	—	—	2,34	6,00	8,61	0,63	1,86	2,53	3.23
	9+18	9	18	—	—	—	2,50	5,00	—	—	—	2,34	7,50	11,07	0,63	2,34	2,80	3.21
	9+24	9	24	—	—	—	2,65	7,05	—	—	—	2,34	9,70	12,30	0,63	3,02	3,17	3.21
	12+12	12	12	—	—	—	3,50	3,50	—	—	—	2,34	7,00	9,23	0,63	2,17	2,65	3.23
	12+18	12	18	—	—	—	3,40	5,10	—	—	—	2,34	8,50	11,69	0,63	2,65	3,06	3.21
	12+24	12	24	—	—	—	3,33	6,67	—	—	—	2,34	10,00	12,30	0,63	3,12	3,35	3.21
	18+18	18	18	—	—	—	5,25	5,25	—	—	—	2,34	10,50	12,30	0,63	3,27	3,35	3.21
1:3	7+7+7	7	7	7	—	—	2,00	2,00	2,00	—	—	2,89	6,00	7,38	0,78	1,85	2,98	3.25
	7+7+9	7	7	9	—	—	1,98	1,98	2,54	—	—	2,89	6,50	8,61	0,78	2,00	3,17	3.25
	7+7+12	7	7	12	—	—	2,02	2,02	3,46	—	—	2,89	7,50	9,23	0,78	2,31	3,35	3.25
	7+7+18	7	7	18	—	—	1,97	1,97	5,06	—	—	2,89	9,00	11,07	0,78	2,78	3,54	3.24
	7+7+24	7	7	24	—	—	2,03	2,03	6,95	—	—	2,89	11,00	12,92	0,78	3,42	3,73	3.22
	7+9+9	7	9	9	—	—	1,96	2,52	2,52	—	—	2,89	7,00	9,23	0,78	2,15	3,28	3.25
	7+9+12	7	9	12	—	—	2,00	2,57	3,43	—	—	2,89	8,00	10,46	0,78	2,46	3,43	3.25
	7+9+18	7	9	18	—	—	1,96	2,51	5,03	—	—	2,89	9,50	11,07	0,78	2,93	3,65	3.24
	7+9+24	7	9	24	—	—	2,01	2,59	6,90	—	—	2,89	11,50	12,92	0,78	3,57	3,88	3.22
	7+12+12	7	12	12	—	—	2,03	3,48	3,48	—	—	2,89	9,00	11,07	0,78	2,78	3,54	3.24
	7+12+18	7	12	18	—	—	1,99	3,41	5,11	—	—	2,89	10,50	12,30	0,78	3,26	3,73	3.22
	7+12+24	7	12	24	—	—	1,87	3,21	6,42	—	—	2,89	11,50	12,92	0,78	3,57	3,88	3.22
	7+18+18	7	18	18	—	—	1,87	4,81	4,81	—	—	2,89	11,50	12,92	0,78	3,57	3,88	3.22
	9+9+9	9	9	9	—	—	2,67	2,67	2,67	—	—	2,89	8,00	10,46	0,78	2,46	3,73	3.25
	9+9+12	9	9	12	—	—	2,70	2,70	3,60	—	—	2,89	9,00	12,92	0,78	2,78	3,54	3.24
	9+9+18	9	9	18	—	—	2,63	2,63	5,25	—	—	2,89	10,50	12,30	0,78	3,26	3,73	3.22
	9+9+24	9	9	24	—	—	2,46	2,46	6,57	—	—	2,89	11,50	12,92	0,78	3,57	3,88	3.22
	9+12+12	9	12	12	—	—	2,45	3,27	3,27	—	—	2,89	9,00	11,07	0,78	2,78	3,54	3.24
	9+12+18	9	12	18	—	—	2,54	3,38	5,08	—	—	2,89	11,00	11,69	0,78	3,42	3,73	3.22
	9+12+24	9	12	24	—	—	2,30	3,07	6,13	—	—	2,89	11,50	12,92	0,78	3,57	3,88	3.22
	9+18+18	9	18	18	—	—	2,40	4,80	4,80	—	—	2,89	12,00	12,92	0,78	3,74	3,88	3.21
	12+12+12	12	12	12	—	—	3,17	3,17	3,17	—	—	2,89	9,50	11,07	0,78	2,93	3,65	3.24
	12+12+18	12	12	18	—	—	3,29	3,29	4,93	—	—	2,89	11,50	12,92	0,78	3,57	3,88	3.22
	12+12+24	12	12	24	—	—	3,00	3,00	6,00	—	—	2,89	12,00	12,92	0,78	3,74	3,88	3.21
	12+18+18	12	18	18	—	—	3,00	4,50	4,50	—	—	2,89	12,00	12,92	0,78	3,74	3,88	3.21
1:4	7+7+7+7	7	7	7	7	—	2,00	2,00	2,00	2,00	—	3,69	8,00	10,50	0,89	2,45	3,35	3.26
	7+7+7+9	7	7	7	9	—	1,98	1,98	1,98	2,55	—	3,69	8,50	11,07	0,89	2,61	3,54	3.26
	7+7+7+12	7	7	7	12	—	2,02	2,02	2,02	3,45	—	3,69	9,50	11,69	0,89	2,92	3,65	3.25
	7+7+7+18	7	7	7	18	—	2,06	2,06	2,06	5,31	—	3,69	11,50	12,30	0,89	3,57	4,10	3.22
	7+7+7+24	7	7	7	24	—	1,87	1,87	1,87	6,40	—	3,69	12,00	13,53	0,89	3,74	4,29	3.21
	7+7+9+9	7	7	9	9	—	2,08	2,08	2,67	2,67	—	3,69	9,50	11,69	0,89	2,92	3,65	3.25
	7+7+9+12	7	7	9	12	—	2,00	2,00	2,57	3,43	—	3,69	10,00	12,30	0,89	3,08	4,10	3.25
	7+7+9+18	7	7	9	18	—	1,96	1,96	2,52	5,05	—	3,69	11,50	12,30	0,89	3,57	4,10	3.22
	7+7+9+24	7	7	9	24		1,79	1,79	2,30	6,13	—	3,69	12,00	13,53	0,89	3,74	4,29	3.21
	7+7+12+12	7	7	12	12	—	1,93	1,93	3,32	3,32	—	3,69	10,50	12,92	0,89	3,25	4,10	3.23
	7+7+12+18	7	7	12	18	—	1,83	1,83	3,14	4,70	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	7+7+12+24	7	7	12	24	—	1,72	1,72	2,95	5,90	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	7+7+18+18	7	7	18	18	—	1,72	1,72	4,43	4,43	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	7+9+9+9	7	9	9	9	—	2,06	2,65	2,65	2,65	—	3,69	10,00	12,30	0,89	3,08	4,10	3.25
	7+9+9+12	7	9	9	12	—	1,99	2,55	2,55	3,41	—	3,69	10,50	12,92	0,89	3,25	4,10	3.23
	7+9+9+18	7	9	9	18	—	1,87	2,41	2,41	4,81	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	7+9+9+24	7	9	9	24	—	1,76	2,26	2,26	6,02	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	7+9+12+12	7	9	12	12	—	2,01	2,59	3,45	3,45	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	7+9+12+18	7	9	12	18	—	1,83	2,35	3,13	4,70	—	3,69	12,00	13,53	0,89	3,74	4,29	3.21
	7+9+12+24	7	9	12	24	—	1,66	2,13	2,84	5,68	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	7+9+18+18	7	9	18	18	—	1,66	2,13	4,26	4,26	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	7+12+12+12	7	12	12	12	—	1,87	3,21	3,21	3,21	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	7+12+12+18	7	12	12	18	—	1,71	2,94	2,94	4,41	—	3,69	12,00	13,53	0,89	3,74	4,29	3.21
	9+9+9+9	9	9	9	9	—	2,63	2,63	2,63	2,63	—	3,69	10,50	12,92	0,89	3,25	4,10	3.23
	9+9+9+12	9	9	9	12	—	2,65	2,65	2,65	3,54	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	9+9+9+18	9	9	9	18	—	2,40	2,40	2,40	4,80	—	3,69	12,00	13,53	0,89	3,74	4,29	3.21
	9+9+9+24	9	9	9	24	—	2,17	2,17	2,17	5,79	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	9+9+12+12	9	9	12	12	—	2,46	2,46	3,29	3,29	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	9+9+12+18	9	9	12	18	—	2,25	2,25	3,00	4,50	—	3,69	12,00	13,53	0,89	3,74	4,29	3.21
	9+9+12+24	9	9	12	24	—	2,05	2,05	2,73	5,47	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	9+12+12+12	9	12	12	12	—	2,30	3,07	3,07	3,07	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	9+12+12+18	9	12	12	18	—	2,17	2,89	2,89	4,34	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
	12+12+12+12	12	12	12	12	—	2,88	2,88	2,88	2,88	—	3,69	11,50	13,53	0,89	3,57	4,10	3.22
	12+12+12+18	12	12	12	18	—	2,73	2,73	2,73	4,10	—	3,69	12,30	13,53	0,89	3,83	4,29	3.21
1:5	7+7+7+7+7	7	7	7	7	7	2,10	2,10	2,10	2,10	2,10	4,18	10,50	14,00	1,01	3,09	4,96	3.40
	7+7+7+7+9	7	7	7	7	9	2,08	2,08	2,08	2,08	2,68	4,18	11,00	14,00	1,01	3,24	4,96	3.40
	7+7+7+7+12	7	7	7	7	12	2,01	2,01	2,01	2,01	3,45	4,18	11,50	14,00	1,01	3,42	4,96	3.37
	7+7+7+7+18	7	7	7	7	18	1,87	1,87	1,87	1,87	4,81	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	7+7+7+9+9	7	7	7	9	9	2,06	2,06	2,06	2,65	2,65	4,18	11,50	14,00	1,01	3,42	4,96	3.37
	7+7+7+9+12	7	7	7	9	12	2,00	2,00	2,00	2,57	3,43	4,18	12,00	14,00	1,01	3,57	4,96	3.37
	7+7+7+9+18	7	7	7	9	18	1,79	1,79	1,79	2,31	4,61	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	7+7+9+9+9	7	7	9	9	9	2,05	2,05	2,63	2,63	2,63	4,18	12,00	14,00	1,01	3,57	4,96	3.37
	7+7+9+9+12	7	7	9	9	12	1,96	1,96	2,52	2,52	3,35	4,18	12,30	14,00	1,01	3,69	4,96	3.33
	7+7+9+9+18	7	7	9	9	18	1,72	1,72	2,21	2,21	4,43	4,18	12,30	14,00	1,01	3,75	4,96	3.28
	7+7+12+12+12	7	7	12	12	12	1,72	1,72	2,95	2,95	2,95	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	7+7+12+12+18	7	7	12	12	18	1,54	1,54	2,64	2,64	3,95	4,18	12,30	14,00	1,01	3,76	4,96	3.27
	7+9+9+9+9	7	9	9	9	9	2,00	2,57	2,57	2,57	2,57	4,18	12,30	14,00	1,01	3,69	4,96	3.33
	7+9+9+9+12	7	9	9	9	12	1,87	2,41	2,41	2,41	3,21	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	7+9+9+9+18	7	9	9	9	18	1,66	2,13	2,13	2,13	4,26	4,18	12,30	14,00	1,01	3,76	4,96	3.27
	7+9+9+12+12	7	9	9	12	12	1,76	2,26	2,26	3,01	3,01	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	7+9+12+12+12	7	9	12	12	12	1,66	2,13	2,84	2,84	2,84	4,18	12,30	14,00	1,01	3,75	4,96	3.28
	9+9+9+9+9	9	9	9	9	9	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	9+9+9+9+12	9	9	9	9	12	2,31	2,31	2,31	2,31	3,08	4,18	12,30	14,00	1,01	3,73	4,96	3.30
	9+9+9+9+18	9	9	9	9	18	2,05	2,05	2,05	2,05	4,10	4,18	12,30	14,00	1,01	3,76	4,96	3.27
	9+9+9+12+12	9	9	9	12	12	2,17	2,17	2,17	2,89	2,89	4,18	12,30	14,00	1,01	3,75	4,96	3.28
	9+9+12+12+12	9	9	12	12	12	2,05	2,05	2,73	2,73	2,73	4,18	12,30	14,00	1,01	3,75	4,96	3.28

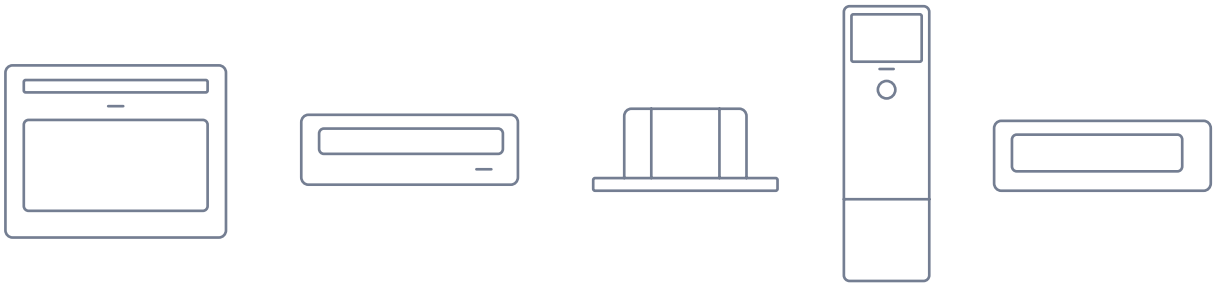
38QUSO42D8S5-1 HEAT PUMP (SYSTEM 5)

COOLING MODE

COMB.	Indoor units	Combinations (x1000 Btu/h)					Rated capacity (kW)(nom. heating)					Total heating capacity (kW)			Total power input (kW)			COP (W/W)
		Unit A	Unit B	Unit C	Unit D	Unit E	Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Rated	Max.	Min.	Rated	Max.	
1:1	7	7	—	—	—	—	2,50	—	—	—	—	1,66	2,50	2,90	0,45	0,69	0,87	3.61
	9	9	—	—	—	—	3,00	—	—	—	—	1,66	3,00	3,20	0,45	0,83	1,04	3.61
	12	12	—	—	—	—	3,80	—	—	—	—	1,66	3,80	3,90	0,45	1,05	1,26	3.61
	18	18	—	—	—	—	5,60	—	—	—	—	1,85	5,60	7,00	0,58	1,55	1,78	3.61
	24	24	—	—	—	—	7,60	—	—	—	—	2,09	7,60	8,50	0,70	2,10	2,20	3.62
1:2	7+7	7	7	—	—	—	2,50	2,50	—	—	—	2,34	5,00	7,38	0,57	1,38	1,95	3.63
	7+9	7	9	—	—	—	2,45	3,15	—	—	—	2,34	5,60	7,63	0,57	1,54	2,09	3.63
	7+12	7	12	—	—	—	2,21	3,79	—	—	—	2,34	6,00	8,00	0,57	1,65	2,26	3.63
	7+18	7	18	—	—	—	2,24	5,76	—	—	—	2,34	8,00	9,84	0,57	2,20	2,39	3.63
	7+24	7	24	—	—	—	2,21	7,59	—	—	—	2,34	9,80	11,69	0,57	2,71	2,70	3.62
	9+9	9	9	—	—	—	3,00	3,00	—	—	—	2,34	6,00	8,00	0,57	1,65	2,26	3.63
	9+12	9	12	—	—	—	2,91	3,89	—	—	—	2,34	6,80	8,61	0,57	1,87	2,29	3.63
	9+18	9	18	—	—	—	2,93	5,87	—	—	—	2,34	8,80	11,07	0,57	2,42	2,53	3.63
	9+24	9	24	—	—	—	2,78	7,42	—	—	—	2,34	10,20	12,30	0,57	2,82	2,86	3.62
	12+12	12	12	—	—	—	3,75	3,75	—	—	—	2,34	7,50	9,23	0,57	2,07	2,39	3.63
	12+18	12	18	—	—	—	3,76	5,64	—	—	—	2,34	9,40	11,69	0,57	2,59	2,76	3.63
	12+24	12	24	—	—	—	3,50	7,00	—	—	—	2,34	10,50	12,30	0,57	2,90	3,03	3.62
	18+18	18	18	—	—	—	5,50	5,50	—	—	—	2,34	11,00	12,30	0,57	3,04	3,03	3.62
1:3	7+7+7	7	7	7	—	—	2,50	2,50	2,50	—	—	2,89	7,50	8,61	0,71	2,05	2,70	3.65
	7+7+9	7	7	9	—	—	2,37	2,37	3,05	—	—	2,89	7,80	9,23	0,71	2,14	2,86	3.65
	7+7+12	7	7	12	—	—	2,29	2,29	3,92	—	—	2,89	8,50	9,84	0,71	2,33	3,03	3.65
	7+7+18	7	7	18	—	—	2,52	2,52	6,47	—	—	2,89	11,50	12,30	0,71	3,16	3,20	3.64
	7+7+24	7	7	24	—	—	2,21	2,21	7,58	—	—	2,89	12,00	12,92	0,71	3,31	3,37	3.62
	7+9+9	7	9	9	—	—	2,38	3,06	3,06	—	—	2,89	8,50	9,84	0,71	2,33	2,97	3.65
	7+9+12	7	9	12	—	—	2,50	3,21	4,29	—	—	2,89	10,00	12,30	0,71	2,74	3,10	3.65
	7+9+18	7	9	18	—	—	2,37	3,04	6,09	—	—	2,89	11,50	12,30	0,71	3,16	3,30	3.64
	7+9+24	7	9	24	—	—	2,10	2,70	7,20	—	—	2,89	12,00	12,92	0,71	3,31	3,50	3.62
	7+12+12	7	12	12	—	—	2,48	4,26	4,26	—	—	2,89	11,00	12,30	0,71	3,01	3,20	3.65
	7+12+18	7	12	18	—	—	2,18	3,73	5,59	—	—	2,89	11,50	12,30	0,71	3,17	3,37	3.63
	7+12+24	7	12	24	—	—	1,95	3,35	6,70	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
	7+18+18	7	18	18	—	—	1,95	5,02	5,02	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
	9+9+9	9	9	9	—	—	3,33	3,33	3,33	—	—	2,89	10,00	12,30	0,71	2,74	3,37	3.65
	9+9+12	9	9	12	—	—	3,30	3,30	4,40	—	—	2,89	11,00	12,30	0,71	3,01	3,20	3.65
	9+9+18	9	9	18	—	—	2,88	2,88	5,75	—	—	2,89	11,50	12,30	0,71	3,17	3,37	3.63
	9+9+24	9	9	24	—	—	2,57	2,57	6,86	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
	9+12+12	9	12	12	—	—	3,14	4,18	4,18	—	—	2,89	11,50	12,30	0,71	3,16	3,20	3.64
	9+12+18	9	12	18	—	—	2,77	3,69	5,54	—	—	2,89	12,00	12,92	0,71	3,31	3,37	3.62
	9+12+24	9	12	24	—	—	2,40	3,20	6,40	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
	9+18+18	9	18	18	—	—	2,40	4,80	4,80	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
	12+12+12	12	12	12	—	—	3,83	3,83	3,83	—	—	2,89	11,50	12,30	0,71	3,16	3,30	3.64
	12+12+18	12	12	18	—	—	3,43	3,43	5,14	—	—	2,89	12,00	12,92	0,71	3,31	3,50	3.62
	12+12+24	12	12	24	—	—	3,00	3,00	6,00	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
	12+18+18	12	18	18	—	—	3,00	4,50	4,50	—	—	2,89	12,00	12,92	0,71	3,32	3,50	3.61
1:4	7+7+7+7	7	7	7	7	—	2,50	2,50	2,50	2,50	—	3,69	10,00	12,67	0,81	2,74	3,03	3.65
	7+7+7+9	7	7	7	9	—	2,57	2,57	2,57	3,30	—	3,69	11,00	12,92	0,81	3,01	3,20	3.65
	7+7+7+12	7	7	7	12	—	2,50	2,50	2,50	4,29	—	3,69	11,80	13,53	0,81	3,23	3,30	3.65
	7+7+7+18	7	7	7	18	—	2,15	2,15	2,15	5,54	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	7+7+7+24	7	7	7	24	—	1,91	1,91	1,91	6,56	—	3,69	12,30	13,53	0,81	3,40	3,88	3.62
	7+7+9+9	7	7	9	9	—	2,63	2,63	3,38	3,38	—	3,69	12,00	13,53	0,81	3,29	3,30	3.65
	7+7+9+12	7	7	9	12	—	2,40	2,40	3,09	4,11	—	3,69	12,00	13,53	0,81	3,29	3,71	3.65
	7+7+9+18	7	7	9	18	—	2,05	2,05	2,63	5,27	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	7+7+9+24	7	7	9	24		1,83	1,83	2,36	6,28	—	3,69	12,30	13,53	0,81	3,41	3,88	3.61
	7+7+12+12	7	7	12	12	—	2,21	2,21	3,79	3,79	—	3,69	12,00	13,53	0,81	3,30	3,71	3.64
	7+7+12+18	7	7	12	18	—	1,91	1,91	3,27	4,91	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	7+7+12+24	7	7	12	24	—	1,72	1,72	2,95	5,90	—	3,69	12,30	13,53	0,81	3,41	3,88	3.61
	7+7+18+18	7	7	18	18	—	1,68	1,68	4,32	4,32	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
	7+9+9+9	7	9	9	9	—	2,47	3,18	3,18	3,18	—	3,69	12,00	13,53	0,81	3,29	3,71	3.65
	7+9+9+12	7	9	9	12	—	2,27	2,92	2,92	3,89	—	3,69	12,00	13,53	0,81	3,30	3,71	3.64
	7+9+9+18	7	9	9	18	—	1,95	2,51	2,51	5,02	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	7+9+9+24	7	9	9	24	—	1,76	2,26	2,26	6,02	—	3,69	12,30	13,53	0,81	3,41	3,88	3.61
	7+9+12+12	7	9	12	12	—	2,10	2,70	3,60	3,60	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	7+9+12+18	7	9	12	18	—	1,83	2,35	3,13	4,70	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
	7+9+12+24	7	9	12	24	—	1,66	2,13	2,84	5,68	—	3,69	12,30	13,53	0,81	3,41	3,88	3.61
	7+9+18+18	7	9	18	18	—	1,62	2,08	4,15	4,15	—	3,69	12,00	13,53	0,81	3,31	3,88	3.62
	7+12+12+12	7	12	12	12	—	1,95	3,35	3,35	3,35	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	7+12+12+18	7	12	12	18	—	1,71	2,94	2,94	4,41	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
	9+9+9+9	9	9	9	9	—	3,00	3,00	3,00	3,00	—	3,69	12,00	13,53	0,81	3,30	3,71	3.64
	9+9+9+12	9	9	9	12	—	2,77	2,77	2,77	3,69	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	9+9+9+18	9	9	9	18	—	2,40	2,40	2,40	4,80	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
	9+9+9+24	9	9	9	24	—	2,17	2,17	2,17	5,79	—	3,69	12,30	13,53	0,81	3,41	3,88	3.61
	9+9+12+12	9	9	12	12	—	2,57	2,57	3,43	3,43	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	9+9+12+18	9	9	12	18	—	2,25	2,25	3,00	4,50	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
	9+9+12+24	9	9	12	24	—	2,05	2,05	2,73	5,47	—	3,69	12,30	13,53	0,81	3,40	3,88	3.62
	9+12+12+12	9	12	12	12	—	2,40	3,20	3,20	3,20	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	9+12+12+18	9	12	12	18	—	2,12	2,82	2,82	4,24	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
	12+12+12+12	12	12	12	12	—	3,00	3,00	3,00	3,00	—	3,69	12,00	13,53	0,81	3,31	3,71	3.63
	12+12+12+18	12	12	12	18	—	2,67	2,67	2,67	4,00	—	3,69	12,00	13,53	0,81	3,32	3,88	3.61
1:5	7+7+7+7+7	7	7	7	7	7	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+7+7+9	7	7	7	7	9	2,33	2,33	2,33	2,33	2,99	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+7+7+12	7	7	7	7	12	2,15	2,15	2,15	2,15	3,69	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+7+7+18	7	7	7	7	18	1,87	1,87	1,87	1,87	4,81	4,18	12,30	14,94	0,91	3,37	4,48	3.65
	7+7+7+9+9	7	7	7	9	9	2,21	2,21	2,21	2,84	2,84	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+7+9+12	7	7	7	9	12	2,05	2,05	2,05	2,64	3,51	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+7+9+18	7	7	7	9	18	1,79	1,79	1,79	2,31	4,61	4,18	12,30	14,94	0,91	3,32	4,48	3.71
	7+7+9+9+9	7	7	9	9	9	2,10	2,10	2,70	2,70	2,70	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+9+9+12	7	7	9	9	12	1,96	1,96	2,52	2,52	3,35	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+7+9+9+18	7	7	9	9	18	1,72	1,72	2,21	2,21	4,43	4,18	12,30	14,94	0,91	3,32	4,48	3.71
	7+7+12+12+12	7	7	12	12	12	1,72	1,72	2,95	2,95	2,95	4,18	12,30	14,94	0,91	3,37	4,48	3.65
	7+7+12+12+18	7	7	12	12	18	1,54	1,54	2,64	2,64	3,95	4,18	12,30	14,94	0,91	3,28	4,48	3.75
	7+9+9+9+9	7	9	9	9	9	2,00	2,57	2,57	2,57	2,57	4,18	12,30	14,94	0,91	3,40	4,48	3.62
	7+9+9+9+12	7	9	9	9	12	1,87	2,41	2,41	2,41	3,21	4,18	12,30	14,94	0,91	3,37	4,48	3.65
	7+9+9+9+18	7	9	9	9	18	1,66	2,13	2,13	2,13	4,26	4,18	12,30	14,94	0,91	3,28	4,48	3.75
	7+9+9+12+12	7	9	9	12	12	1,76	2,26	2,26	3,01	3,01	4,18	12,30	14,94	0,91	3,37	4,48	3.65
	7+9+12+12+12	7	9	12	12	12	1,66	2,13	2,84	2,84	2,84	4,18	12,30	14,94	0,91	3,32	4,48	3.71
	9+9+9+9+9	9	9	9	9	9	2,46	2,46	2,46	2,46	2,46	4,18	12,30	14,94	0,91	3,37	4,48	3.65
	9+9+9+9+12	9	9	9	9	12	2,31	2,31	2,31	2,31	3,08	4,18	12,30	14,94	0,91	3,37	4,48	3.65
	9+9+9+9+18	9	9	9	9	18	2,05	2,05	2,05	2,05	4,10	4,18	12,30	14,94	0,91	3,28	4,48	3.75
	9+9+9+12+12	9	9	9	12	12	2,17	2,17	2,17	2,89	2,89	4,18	12,30	14,94	0,91	3,32	4,48	3.71
	9+9+12+12+12	9	9	12	12	12	2,05	2,05	2,73	2,73	2,73	4,18	12,30	14,94	0,91	3,32	4,48	3.71

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

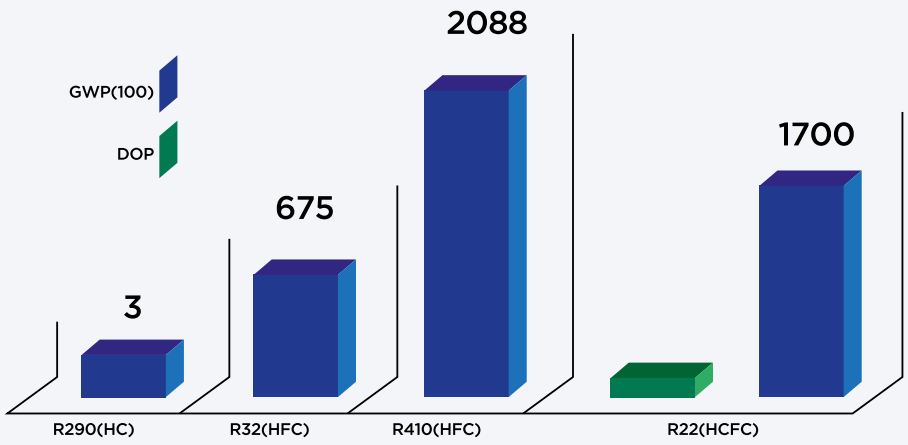
Carrier Light Commercial systems, with state-of-the-art technologies, flexible controls, variety of indoor units, wide range of capacities and improved installation, bring ultimate comfort and convenience to any light commercial installation.

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 +46°C without sacrificing efficiency.

They use ultra-quiet inverter compressors, equipped with 9 slots and 6 poles, 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 3D 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.

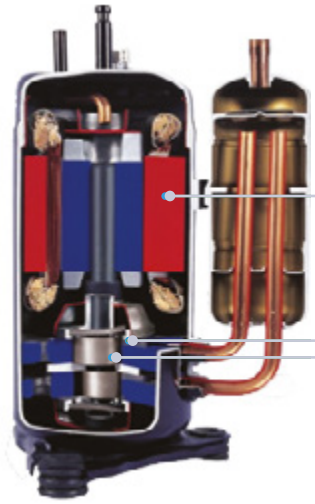
DC TWIN ROTARY
COMPRESSORS

All units between 24.000 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.

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.

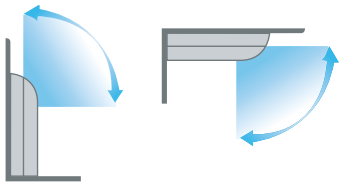
Several sensors placed in key positions on the refrigerant circuit electronically detect the operational state of the system.

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.

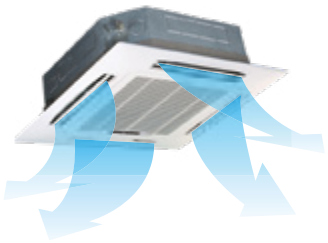
FLEXIBLE AND EASY INSTALLATION
FOR ALL APPLICATIONS

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

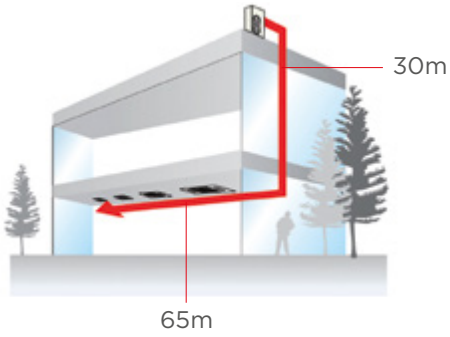
Carrier units have been designed to match all project requirements, with features that make installation more flexible to any given space.

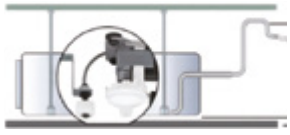


The unit can be installed either horizontally on the ceiling or vertically against the wall.



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.

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.

REMOTE CONTROL

OPTIONAL WIRED CONTROL

WIRED CONTROL

BMS CONTROLS

For greater flexibility in building installations, Carrier's new A6 ducted units come equipped with BMS Gateways that are compatible with multiple communication protocols of **BACnet**, **LonWorks** and **Modbus**.

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

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.

RESERVED DRY CONTACT PORTS

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. (optional in some models)

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.

SELF-DIAGNOSIS & AUTO-PROTECTION

The unit will detect abnormal operation or malfunctions and 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 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.

COMFORT

WI-FI ACTIVE

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.

MY MODE

The unit memorizes the desired mode and temperature so that you can have the desired operation at a touch of a button.

REMOTE CONTROL BRIGHT SCREEN

The remote control has a backlit LCD display for easier reading.

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

3D DC INVERTER

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.

DC TWIN ROTARY COMPRESSORS

Units from 24.000 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.

X-ECO MODE

By enabling X-ECO 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 X-ECO mode, the selected cooling temperature can be between 24 – 30°C.

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!

CONSOLE

XPOWER
42QZY

Active Clean Technology

3D DC Inverter

X-ECO

Compact with fresh air

The new Console DC Inverter R-32 single split system for small and medium business.
Features fresh air intake and reserved dry contact ports.

FEATURES

- Wi-Fi Ready
- Auto-Restart
- Active Clean
- Turbo Mode
- Sleep Mode
- Timer
- Auto-Swing
- Follow Me
- Refrigerant Leak Detection
- Electrical Voltage Protection (168 up to 264V)
- Wire Remote Control (optional)
- Humidity Control

TECHNICAL CHARACTERISTICS *SINGLE PHASE*

INDOOR UNIT		42QZY012D8S	42QZY018D8S
OUTDOOR UNIT		**38QUS012D8S-1**	**38QUS018D8S-1**
Cooling capacity	kW	3,70 (0,77~4,25)	4,90 (2,64~5,57)
Heating capacity	kW	4,05 (0,46~4,70)	5,20 (2,20~6,30)
Heating capacity at -7°C	kW	3,00	4,50
Heating capacity at -10°C	kW	2,60	3,90
Heating capacity at -15°C	kW	2,00	3,50
SEER/SCOP (average) / SCOP (warmer)	W/W	7.70/4.20/5.70	7.10/4.20/5.10
Energy label		A++/A+/A+++	A++/A+/A++
Yearly energy consumption	kWh	168/867/786	242/1.400/1.373
EER/COP	W/W	3.66/4.04	3.31/3.59
Standard current (cooling)	A	4.50	6.70
Standard input (cooling)	W	1.010	1.480
Standard current (heating)	A	4.70	6.40
Standard input (heating)	W	990	1.450

INDOOR UNIT		42QZY012D8S	42QZY018D8S
Sound power level	dB(A)	54	55
Sound pressure level (high/med/low/silence)	dB(A)	37/34/27	41/38/32
Airflow (high/med/low)	m³/h	650/580/490	780/690/600
Weight	Kg	14.90	15
Dimensions (W×D×H)	mm	794×200×621	794×200×621

OUTDOOR UNIT		38QUS012D8S-1	38QUS018D8S-1
Temp range cooling	°C	-15~50	
Temp range heating	°C	-15~24	
Flare connections (gas-liquid)		1/4"-3/8"	1/4"-1/2"
Standard piping length	m	5	5
Min. piping length	m	3	3
Max. piping length	m	25	30
Max. difference	m	10	20
Additional charge	g/m	12	12
Refrigerant amount	Kg	0.72	1.15
Sound power level	dB(A)	62	65
Sound pressure level (nominal)**	dB(A)	50	52
Airflow	m³/h	2.200	2.100
Weight	Kg	26.60	32.50
Dimensions (W×D×H)	mm	765×303×555	805×330×554
Power supply	V/Hz/Ph	220-240/50/1	

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER
FLOOR / UNDER-CEILING

XPOWER
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.

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
- My Mode
- Louver Function / Horizontally
- Cold Draft Prevention
- Electrical Voltage Protection (168 to 264V)
- Bright LCD Screen Remote Control
- Wire Control
- Wi-Fi Active
- Comfort Zone Manager

TECHNICAL CHARACTERISTICS *SINGLE PHASE*

INDOOR UNIT		42QZL018D8SN	42QZL024D8SN	42QZL036D8SN
OUTDOOR UNIT		**38QUS018D8S-1**	**38QUS024D8S**	**38QUS036D8S**
Cooling capacity	kW	5,30 (2,71-5,86)	7,20 (3,22-7,77)	10,50 (2,72-11,43)
Heating capacity	kW	5,60 (2,42-6,30)	7,40 (2,72-8,29)	12,30 (2,81-12,78)
Heating capacity at -7°C	kW	4,30	5,90	9,20
Heating capacity at -10°C	kW	3,70	5,00	7,45
Heating capacity at -15°C	kW	3,10	4,50	7,00
SEER/SCOP (average) /SCOP (warmer)	W/W	6.40/4.00/5.40	6.20/4.00/5.20	6.50/4.20/5.50
Energy label		A++/A+/A+++	A++/A+/A+++	A++/A+/A+++
Yearly energy consumption	kWh	290/1.400/1.322	406/1.925/1.615	565/2.867/2.596
EER/COP	W/W	3.63/3.73	2.99/3.90	2.66/3.62
Standard current (cooling)	A	6.50	10.50	17.50
Standard input (cooling)	W	1.460	2.410	3.950
Standard current (heating)	A	6.60	8.50	15.00
Standard input (heating)	W	1.500	1.900	3.400

INDOOR UNIT		42QZL018D8SN	42QZL024D8SN	42QZL036D8SN
Sound power level	dB(A)	58	55	65
Sound pressure level (high/med/low/silence)	dB(A)	43.5/41/37/24	49/46/43/32	51/47.5/44.5/39
Airflow (high/med/low)	m³/h	960/840/725	1.190/1.025/850	1.955/1.730/1.505
Weight	Kg	28	28	41.50
Dimensions (W×D×H)	mm	1.068×675×235	1.068×675×235	1.650×675×235

OUTDOOR UNIT		38QUS018D8S-1	38QUS024D8S	38QUS036D8S
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Flare connections (gas-liquid)		1/4"-1/2"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5
Min. piping length	m	3	3	3
Max. piping length	m	30	50	65
Max. difference	m	20	25	30
Additional charge	g/m	12	24	24
Refrigerant amount	Kg	1.15	1.50	2.40
Sound power level	dB(A)	63.19	69	72
Sound pressure level	dB(A)	57	60	63
Sound pressure level (nominal)**	dB(A)	52	57	60
Airflow	m³/h	2.100	3.500	4.000
Weight	Kg	32.50	43.90	66.90
Dimensions (W×D×H)	mm	805×330×554	890×342×673	946×410×810
Power supply	V/Hz/Ph		220-240/50/1	

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

TECHNICAL CHARACTERISTICS *THREE PHASE*

INDOOR UNIT		42QZL048D8SN	42QZL060D8SN
OUTDOOR UNIT		**38QUS048D8T**	**38QUS060D8T**
Cooling capacity	kW	14 (3,52~15,24)	15,50 (4,10~16,70)
Heating capacity	kW	15,60 (4,10~17,00)	18,30 (4,40~19,64)
Heating capacity at -7°C	kW	11,75	12,75
Heating capacity at -10°C	kW	10,90	11,50
Heating capacity at -15°C	kW	10,50	11,00
SEER/SCOP (average)/SCOP (warmer)	W/W	6.10/4.00/5.30	6.10/4.00/5.20
Energy label		A++/A+/A+++	A++/A+/A+++
Yearly energy consumption	kWh	803/3.920/3.117	889/4.200/3.392
EER/COP	W/W	2.69/3.06	2.72/3.05
Standard current (cooling)	A	9.00	10.00
Standard input (cooling)	W	5.200	5.700
Standard current (heating)	A	9.00	10.50
Standard input (heating)	W	5.100	6.000

INDOOR UNIT		42QZL048D8SN	42QZL060D8SN
Sound power level	dB(A)	68	69
Sound pressure level (high/med/low/silence)	dB(A)	53/50/45/36	54/50.5/46.5/38
Airflow (high/med/low)	m³/h	2.100/1.850/1.600	2.200/1.950/1.650
Weight	Kg	41.70	42.30
Dimensions (W×D×H)	mm	1.650×675×235	1.650×675×235

OUTDOOR UNIT		38QUS048D8T	38QUS060D8T
Temp range cooling	°C	-15~50	
Temp range heating	°C	-15~24	
Flare connections (gas-liquid)		3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5
Min. piping length	m	3	3
Max. piping length	m	65	65
Max. difference	m	30	30
Additional charge	g/m	24	24
Refrigerant amount	Kg	2.90	3
Sound power level	dB(A)	75	75
Sound pressure level	dB(A)	63.5	64
Sound pressure level (nominal)**	dB(A)	61	61.5
Airflow	m³/h	7.500	7.500
Weight	Kg	103.70	107
Dimensions (W×D×H)	mm	952×415×1.333	952×415×1.333
Power supply	V/Hz/Ph	380~415/50/3	

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER CASSETTE

XPOWER
42QTD

Fresh air inlet

Dry Mode

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

- Built-in Drain Pump
- 360° Airflow
- Auto Leak Detection
- Auto Defrost
- Auto-Swing
- Auto-Restart
- Timer
- Turbo Mode
- Sleep Mode
- Dry Mode
- My Mode
- Louver Function / Horizontally
- Cold Draft Prevention
- Electrical Voltage Protection (168 to 264V)
- Bright LCD Screen Remote Control
- Wire Control
- Wi-Fi Active
- Comfort Zone Manager

TECHNICAL CHARACTERISTICS *SINGLE PHASE*

INDOOR UNIT		42QTD012D8SN	42QTD018D8SN	42QTD024D8SN	42QTD030D8SN	42QTD036D8SN	42QTD042D8SN
OUTDOOR UNIT		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Cooling capacity	kW	3,50 (0,85~4,11)	5,30 (2,90~5,59)	7,04 (3,30~7,91)	8,80 (2,23~9,38)	10,50 (3,90~10,60)	12,00 (2,93~12,31)
Heating capacity	kW	4,20 (0,47~4,31)	5,55 (2,37~6,10)	7,50 (2,81~8,94)	10,00 (2,70~9,73)	11,00 (2,90~13,50)	13,20 (3,37~14,07)
Heating cap. at -7°C	kW	3,00	4,10	6,00	6,40	9,20	9,30
Heating cap. at -10°C	kW	2,75	3,75	5,80	6,00	8,20	8,90
Heating cap. at -15°C	kW	2,50	3,50	5,20	5,40	7,40	7,90
SEER/SCOP (average) SCOP (warmer)	W/W	6.80/4.10/5.30	6.30/4.00/4.90	6.3/4.00/5.50	6.80/4.20/5.80	6.80/4.00/5.20	6.20/4.00/5.50
Energy label		A++/A+/A+++	A++/A+/A++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++
Yearly energy consumption	kWh	180/939/872	294/1.470/1.543	391/2.100/1.604	453/2.500/1.834	540/2.870/2.719	677/3.325/2.495
EER/COP	W/W	3.25/3.75	3.21/3.65	2.82/4.05	3.14/4	2.63/3.55	2.82/3.59
Standard current (cooling)	A	5.00	7.50	11.00	12.50	17.50	19.00
Standard input (cooling)	W	1.075	1.650	2.500	2.800	4.000	4.260
Standard current (heating)	A	5.20	7.00	8.50	11.00	13.50	16.50
Standard input (heating)	W	1.120	1.520	1.850	2.500	3.100	3.680

INDOOR UNIT		42QTD012D8SN	42QTD018D8SN	42QTD024D8SN	42QTD030D8SN	42QTD036D8SN	42QTD042D8SN
Sound power level	dB(A)	57	58	59	64	65	66
Sound pressure level (high/med/low/silence)	dB(A)	41/36/33/25.5	43/39.5/35.5/29	45.5/42.5/39.5/27	49.5/47/44/38.5	50/47.5/44.5/39	51/48.5/46/38
Airflow (high/med/low)	m³/h	620/510/420	720/620/500	1.300/1.140/1.000	1.720/1.550/1.400	1.700/1.550/1.380	1.900/1.750/1.600
Weight (Body)	Kg	16.30	16	21.60	24.60	27.20	29.30
Weight (Panel)	Kg	2.50	2.50	6	6	6	6
Dimensions (W×D×H) (Body)	mm	570×570×260	570×570×260	830×830×205	830×830×245	830×830×245	830×830×287
Dimensions (W×D×H) (Panel)	mm	647×647×50	647×647×50	950×950×55	950×950×55	950×950×55	950×950×55

OUTDOOR UNIT		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Temp range cooling	°C	-15~50					
Temp range heating	°C	-15~24					
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5
Min. piping length	m	3	3	3	3	3	3
Max. piping length	m	25	30	50	50	65	65
Max. difference	m	10	20	25	25	30	30
Additional charge	g/m	12	12	24	24	24	24
Refrigerant amount	Kg	0.72	1.15	1.50	2	2.40	2.80
Sound power level	dB(A)	60	65	69	72	72	75
Sound pressure level	dB(A)	54	57	60	61.5	63	63
Sound pressure level (nominal)**	dB(A)	50	52	57	58.5	60	60.5
Airflow	m³/h	2.200	2.100	3.500	3.800	4.000	4.000
Weight	Kg	26.60	32.50	43.90	52.80	66.90	71
Dimensions (W×D×H)	mm	765×303×555	805×330×554	890×342×673	946×410×810	946×410×810	946×410×810
Power supply	V/Hz/Ph	220-240/50/1					

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

TECHNICAL CHARACTERISTICS *THREE PHASE*

INDOOR UNIT OUTDOOR UNIT		42QTD036D8SN 38QUS036D8T	42QTD048D8SN 38QUS048D8T	42QTD060D8SN 38QUS060D8T
Cooling capacity	kW	10,50 (4-10,70)	14 (3,52-15,83)	15 (5,20-16,70)
Heating capacity	kW	11 (2,90-14,10)	16 (4,10-17,29)	18 (4,30-19,30)
Heating capacity at -7°C	kW	8,90	12,50	13,50
Heating capacity at -10°C	kW	7,60	10,50	11,50
Heating capacity at -15°C	kW	7,00	10,30	11,00
SEER/SCOP (average)/SCOP (warmer)	W/W	6.40/4.00/5.10	6.10/4.00/5.10	6.30/4.00/5.20
Energy label		A++/A+/A+++	A++/A+/A+++	A++/A+/A+++
Yearly energy consumption	kWh	574/2.800/2.772	803/3.780/3.294	833/4.130/3.365
EER/COP	W/W	2.59/3.61	3.01/3.49	2.97/3.21
Standard current (cooling)	A	6.50	8.50	9.00
Standard input (cooling)	W	4.050	4.650	5.050
Standard current (heating)	A	5.50	8.00	10.00
Standard input (heating)	W	3.050	4.580	5.600

INDOOR UNIT		42QTD036D8SN	42QTD048D8SN	42QTD060D8SN
Sound power level	dB(A)	65	66	67
Sound pressure level (high/med/low/silence)	dB(A)	50/47.5/44.5/39	51/48.5/46.5/37.5	53/50.5/48/40
Airflow (high/med/low)	m³/h	1.700/1.550/1.380	1.970/1.780/1.580	2.000/1.850/1.650
Weight (Body)	Kg	27.20	29.30	29.30
Weight (Panel)	Kg	6	6	6
Dimensions (W×D×H) (Body)	mm	830×830×245	830×830×287	830×830×287
Dimensions (W×D×H) (Panel)	mm	950×950×55	950×950×55	950×950×55

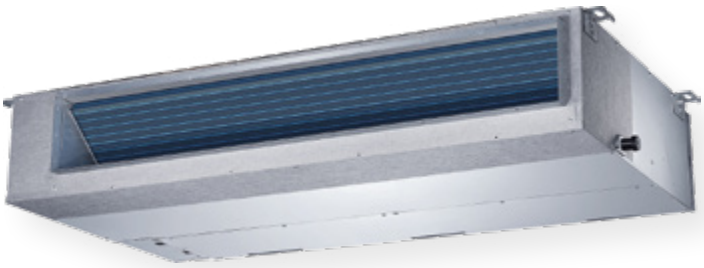
OUTDOOR UNIT		38QUS036D8T	38QUS048D8T	38QUS060D8T
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Flare connections (liquid-gas)		3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5
Min. piping length	m	3	3	3
Max. piping length	m	65	65	65
Max. difference	m	30	30	30
Additional charge	g/m	24	24	24
Refrigerant amount	Kg	2.40	2.90	3
Sound power level	dB(A)	71	75	75
Sound pressure level	dB(A)	63	63.5	64
Sound pressure level (nominal)**	dB(A)	60	61	61.5
Airflow	m³/h	4.000	7.500	7.500
Weight	Kg	80.50	103.70	107
Dimensions (W×D×H)	mm	946×410×810	952×415×1.333	952×415×1.333
Power supply	V/Hz/Ph		380-415/50/3	

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER DUCTED

XPOWER
42QSS



Fresh air inlet

Dry Mode

Auto Leak Detection

Elegance & comfort for lower-ceiling installations

Carrier Duct unit has slim design with reduced height, suitable for low-ceiling installations. It comes ready with the option of fresh air intake function when connected to additional ventilation duct. Whether return air is required from the rear or bottom, both can be easily achieved on-site by changing over the cover, as both air inlets have the same frame size. Moreover, the unit is designed with wide external static pressure ranges from 0Pa to 160Pa, 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

- 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
- My Mode
- Louver Function / Horizontally
- Cold Draft Prevention
- Electrical Voltage Protection (168 to 264V)
- Bright LCD Screen Remote Control
- Wire Control
- Wi-Fi Active
- Comfort Zone Manager

TECHNICAL CHARACTERISTICS *SINGLE PHASE*

INDOOR UNIT		42QSS012D8SN*	42QSS018D8SN*	42QSS024D8SN*	42QSS030D8SN*	42QSS036D8SN*	42QSS042D8SN*
OUTDOOR UNIT		**38QUS012D8S-1**	**38QUS018D8S-1**	**38QUS024D8S**	**38QUS030D8S**	**38QUS036D8S**	**38QUS042D8S**
Cooling capacity	kW	3,50 (0,53~3,99)	5,40 (2,55~5,86)	7,10 (3,28~8,16)	8,75 (2,23~9,85)	10,50 (2,75~11,14)	12,00 (2,93~12,31)
Heating capacity	kW	4,40 (1,00~4,39)	5,80 (2,20~6,15)	7,45 (2,81~8,49)	9,30 (2,70~10,02)	12,10 (2,78~12,78)	13,50 (3,37~14,07)
Heating cap. at -7°C	kW	3,00	4,45	6,10	6,50	9,10	9,60
Heating cap. at -10°C	kW	2,70	3,75	5,50	6,00	8,10	8,80
Heating cap. at -15°C	kW	2,50	3,30	4,80	5,30	7,80	8,10
SEER/SCOP (average) SCOP (warmer)	W/W	6.30/4.00/5.10	6.60/4.00/5.10	6.20/4.00/5.20	6.80/4.00/5.70	6.30/4.00/5.30	6.20/4.00/5.60
Energy label		A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++
Yearly energy consumption	kWh	194/945/933	286/1.505/1.455	401/1.890/1.561	450/2.800/2.014	583/2.940/2.589	677/3.255/2.550
EER/COP	W/W	3.27/3.78	3.48/3.82	3.15/4.14	3.43/4.04	2.63/3.69	2.86/3.91
Standard current (cooling)	A	4.80	6.80	10.00	11.50	17.50	18.50
Standard input (cooling)	W	1.070	1.550	2.250	2.550	4.000	4.200
Standard current (heating)	A	5.30	6.70	8.00	10.00	14.50	15.00
Standard input (heating)	W	1.165	1.520	1.800	2.300	3.280	3.450

INDOOR UNIT		42QSS012D8SN*	42QSS018D8SN*	42QSS024D8SN*	42QSS030D8SN*	42QSS036D8SN*	42QSS042D8SN*
Sound power level	dB(A)	58	58	62	64	62	67
Sound pressure level (high/med/low/silence)	dB(A)	34.5/30.5/29/23	41/38/34/26	42/40/37/27	50/46.5/45/40.5	49.5/48/46/42	51.5/49/48/43
Airflow (high/med/low)	m³/h	600/480/300	910/710/515	1.230/1.035/825	2.100/1.800/1.500	2.100/1.800/1.500	2.400/2.040/1.680
Weight	Kg	17.80	24.40	32.30	40.50	40.50	47.60
Dimensions (W×D×H)	mm	700×506×200	880×674×210	1.100×774×249	1.360×774×249	1.360×774×249	1.200×874×300

OUTDOOR UNIT		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Temp range cooling	°C	-15~50					
Temp range heating	°C	-15~24					
Flare connections (liquid-gas)		1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5
Min. piping length	m	3	3	3	3	3	3
Max. piping length	m	25	30	50	50	65	65
Max. difference	m	10	20	25	25	30	30
Additional charge	g/m	12	12	24	24	24	24
Refrigerant amount	Kg	0.72	1.15	1.50	2	2.40	2.80
Sound power level	dB(A)	60	65	69	72	72	75
Sound pressure level	dB(A)	54	57	60	61.5	63	63
Sound pressure level (nominal)**	dB(A)	50	52	57	58.5	60	60.5
Airflow	m³/h	2.200	2.100	3.500	3.800	4.000	4.000
Weight	Kg	26.60	32.50	43.90	52.80	66.90	71
Dimensions (W×D×H)	mm	765×303×555	805×330×554	890×342×673	946×410×810	946×410×810	946×410×810
Power supply	V/Hz/Ph	220-240/50/1					

** 42QSS***D8SN - Wired control with Wi-Fi*
** 42QSS---D8SNP - Wired control with Wi-Fi and Drain Pump*

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

TECHNICAL CHARACTERISTICS *THREE PHASE*

INDOOR UNIT		42QSS036D8SN*	42QSS048D8SN*	42QSS060D8SN*
OUTDOOR UNIT		**38QUS036D8T**	**38QUS048D8T**	**38QUS060D8T**
Cooling capacity	kW	10,60 (2,73~11,78)	14,10 (3,52~15,53)	15,40 (4,10~17,30)
Heating capacity	kW	12,10 (2,78~12,84)	15,50 (4,10~18,17)	18,30 (4,40~20,50)
Heating capacity at -7°C	kW	9,10	12,80	13,20
Heating capacity at -10°C	kW	7,60	11,45	12,00
Heating capacity at -15°C	kW	7,00	10,80	11,70
SEER/SCOP (average)/ SCOP (warmer)	W/W	6.10/4.00/5.10	6.10/4.00/5.00	6.10/4.00/5.20
Energy label		A++/A+/A+++	A++/A+/A++	A++/A+/A+++
Yearly energy consumption	kWh	608/3.080/2.745	809/4.095/3.220	884/4.445/3.446
EER/COP	W/W	2.62/3.67	2.79/3.44	2.93/3.52
Standard current (cooling)	A	6.50	8.50	9.60
Standard input (cooling)	W	4.050	5.050	5.250
Standard current (heating)	A	5.80	8.00	9.50
Standard input (heating)	W	3.300	4.500	5.200

INDOOR UNIT		42QSS036D8SN*	42QSS048D8SN*	42QSS060D8SN*
Sound power level	dB(A)	62	67	67
Sound pressure level (high/med/low/silence)	dB(A)	49.5/48/46/42	50/49/47/42	52.5/49/47/40
Airflow (high/med/low)	m³/h	2.100/1.800/1.500	2.400/2.040/1.680	2.600/2.210/1.820
Weight	Kg	40.50	47.60	47.40
Dimensions (W×D×H)	mm	1.360×774×249	1.200×874×300	1.200×874×300

OUTDOOR UNIT		38QUS036D8T	38QUS048D8T	38QUS060D8T
Temp range cooling	°C		-15~50	
Temp range heating	°C		-15~24	
Flare connections (liquid-gas)		3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5
Min. piping length	m	3	3	3
Max. piping length	m	65	65	65
Max. difference	m	30	30	30
Additional charge	g/m	24	24	24
Refrigerant amount	Kg	2.40	2.90	3
Sound power level	dB(A)	71	75	75
Sound pressure level	dB(A)	63	63.5	64
Sound pressure level (nominal)**	dB(A)	60	61	61.5
Airflow	m³/h	4.000	7.500	7.500
Weight	Kg	80.50	103.70	107
Dimensions (W×D×H)	mm	946×410×810	952×415×1.333	952×415×1.333
Power supply	V/Hz/Ph		380~415/50/3	

** 42QSS***D8SN - Wired control with Wi-Fi*
** 42QSS---D8SNP - Wired control with Wi-Fi and Drain Pump*

Notes:
** Sound data @ cooling mode*
** -7°C / -10°C / -15°C heating @ free frequency*

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

INVERTER FLOOR STANDING

XPOWER
42QFD

VLED Display Panel

Auto Leak Detection

Dry 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
- Smart LCD Display
- 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 (168 to 264V)
- Remote Control

TECHNICAL CHARACTERISTICS

INDOOR UNIT		42QFD048D8S
OUTDOOR UNIT		**38QUS048D8T**
Cooling capacity	kW	14,60 (3,50-15,68)
Heating capacity	kW	16,10 (4,40-18,50)
Heating capacity at -7°C	kW	14,80
Heating capacity at -10°C	kW	11,35
Heating capacity at -15°C	kW	10,00
SEER/SCOP (average)/SCOP (warmer)	W/W	6.20/4.00/5.10
Energy label		A++/A+/A+++
Yearly energy consumption	kWh	825/3.850/3.019
EER/COP	W/W	2.95/3.74
Standard current (cooling)	A	8.00
Standard input (cooling)	W	4.950
Standard current (heating)	A	7.00
Standard input (heating)	W	4.300

INDOOR UNIT		42QFD048D8S
Sound power level	dB(A)	66
Sound pressure level (high/med/low)	dB(A)	53/49/47
Airflow (high/med/low)	m³/h	2.413/2.222/2.027
Weight	Kg	59
Dimensions (W×D×H)	mm	629×456×1.935

OUTDOOR UNIT		38QUS048D8T
Temp range cooling	°C	-15-50
Temp range heating	°C	-15-24
Flare connections (liquid-gas)		3/8"-5/8"
Standard piping length	m	5
Min. piping length	m	3
Max. piping length	m	65
Max. difference	m	30
Additional charge	g/m	24
Refrigerant amount (R-32)	Kg	2.90
Sound power level	dB(A)	75
Sound pressure level (nominal)**	dB(A)	61
Airflow	m³/h	7.500
Weight	Kg	103.70
Dimensions (W×D×H)	mm	952×415×1.333
Power supply	V/Hz/Ph	380-415/50/3

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

*** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.*

AHI CARRIER SEE

AHI CARRIER SEE represents the commercial activities of **AHI CARRIER FZC** in Southeastern Europe, based in Greece. With offices in Athens, Thessaloniki, Bulgaria, and Romania, the company ensures immediate and effective customer service in the nine countries under its responsibility.

AHI CARRIER SEE offers a wide range of heating, air conditioning, and refrigeration solutions under Carrier and Toshiba brands. With specialization and experience in the field, it provides tailored proposals for residential, commercial, and industrial applications. The advanced solutions offered by the company aim for optimal energy efficiency throughout the building's lifecycle.

AHI CARRIER SEE has a dedicated team of trained professionals who provide high-quality after-sales support, ensuring maximum customer satisfaction and safety. The company offers a comprehensive range of customized services to address various needs, including repairs, maintenance, and technical support.

Through the **Totaline** store, **AHI CARRIER SEE** caters to all industry professionals by offering from basic tools to specialized equipment for advanced applications. The catalog includes spare parts for **Carrier** & **Toshiba** products, equipment, and tools for residential, commercial, and industrial applications.

AHI Carrier FZC is a joint venture between **Air-Conditioning & Heating International (AHI)** and **Carrier Corporation**, founded in 2008. The collaboration strengthens its presence in markets, accessing Carrier Corporation's innovative technologies through AHI's extensive network of partners.

AHI Carrier FZC distributes Carrier Corporation's brands in Southeastern and Central Europe, Russia, the CIS countries, New Zealand, Central and Southern Africa, and parts of the Middle East."

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NOTES

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