



INSPIRING COMFORT



RESIDENTIAL & LIGHT COMMERCIAL UNITS
2025

We create
the comfort
you need!



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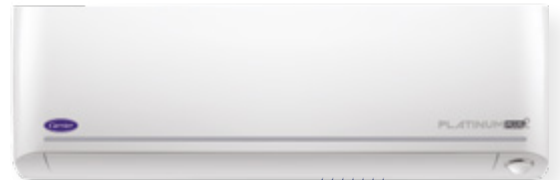
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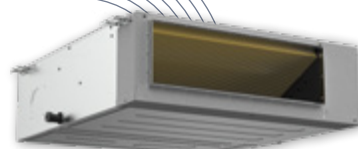
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At Carrier,
we don't just follow
the technological
evolution;
we lead it.

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

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

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

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

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



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

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

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

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



SYDNEY OPERA HOUSE



ACROPOLIS MUSEUM

Our Commitments

INSPIRING CONFIDENCE

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



SOLUTIONS THAT CONSIDER THE WHOLE HOME

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

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

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



CREATE A **HEALTHIER HOME**

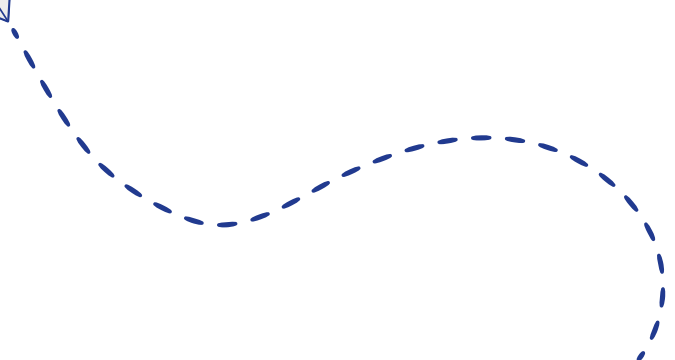
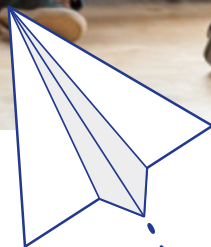
Carrier is dedicated to helping you create a home that is both healthier and more comfortable. As we continue to spend more time at home than ever before, it is imperative that we all work together to help ensure that our living and working spaces are healthy.

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



INNOVATING EVERYWHERE

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



Home Comfort Solutions

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



GET COMFORTABLE WITH CARRIER RESIDENTIAL SYSTEMS

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



QUIET CONSISTENCY AT HOME

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



INDOOR AIR QUALITY

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

ENERGY-EFFICIENT HOME HEATING AND AIR-CONDITIONING

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

Products Certified by **EUROVENT**



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

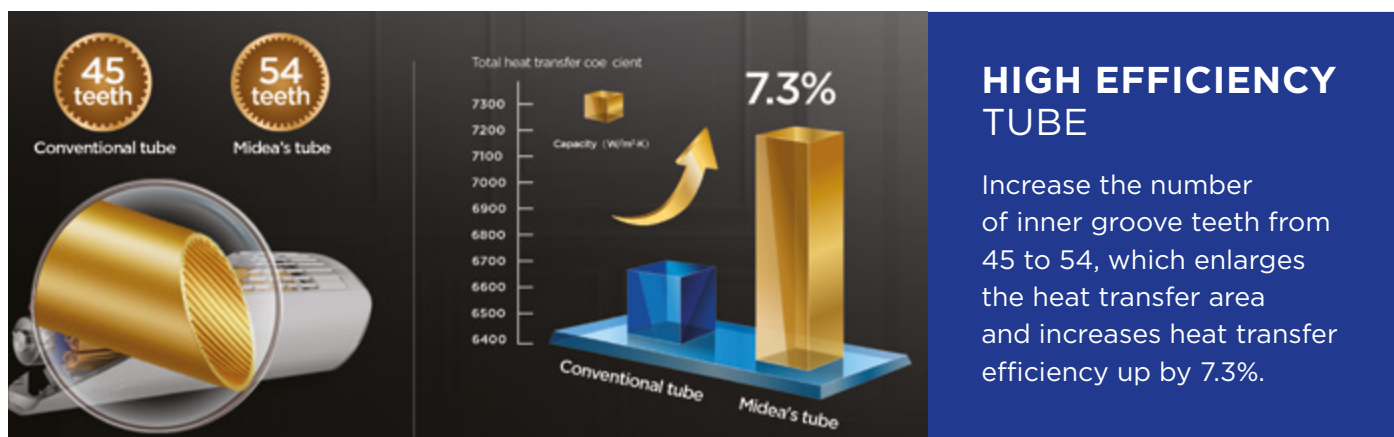
Carrier actively participates in developing Eurovent certifications to help establish standards and achieve global compatibility.

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).

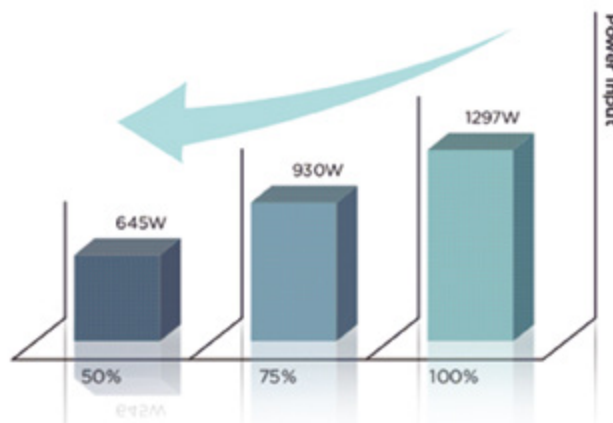
EUROVENT offers to consultants, energy engineering offices, architects, and product end-users the most comprehensive data base of certified products and guarantee transparency and commitment to the quality of products.

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.



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

DC COMPRESSOR



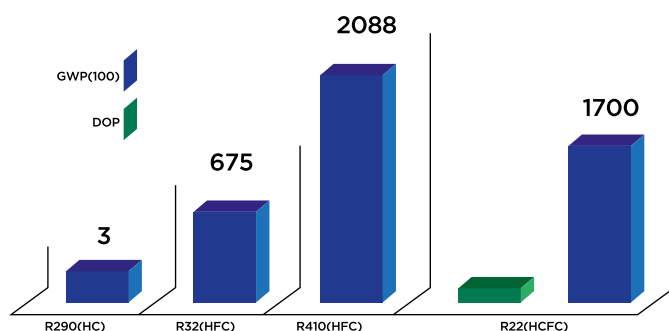
DC MOTOR

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



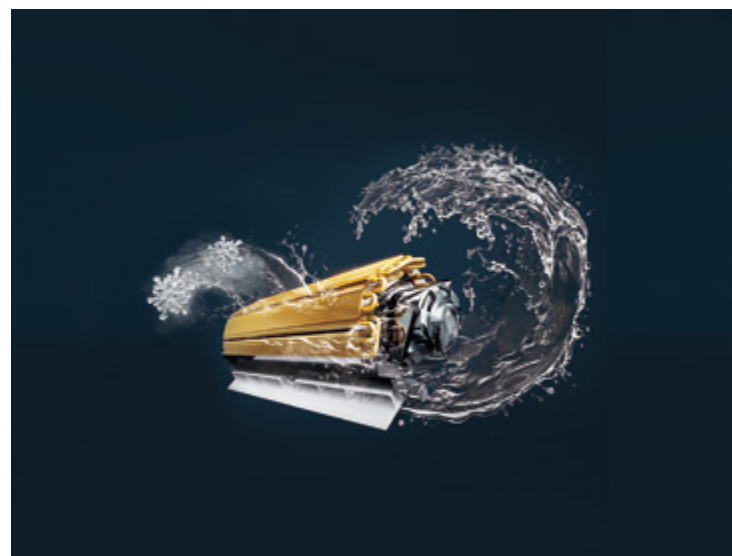
INTELLIGENT DUSTING SWITCH

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

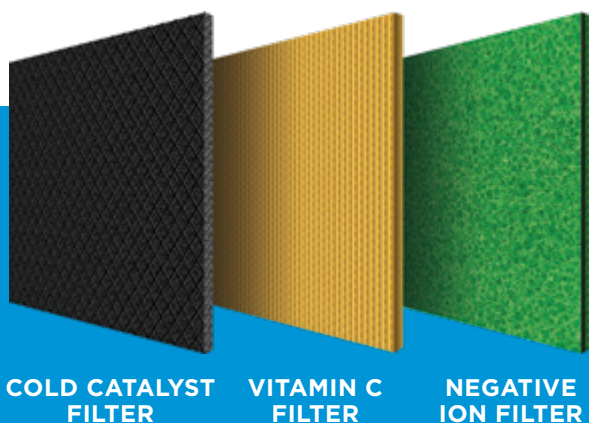
Silver ion filter is a new kind of high efficient sterilizing product. Silver ion is a colourless and tasteless ion that brings no side effect, irritation, pollution, drug tolerance or volatilization. Since the ion recycles itself after sterilizing, it is durable and can effectively stop bacteria from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



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.



COLD CATALYST FILTER

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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.



DRY CONTACTS

The dry contacts allow the control of the units from an external component (e.g. hotel card, alarm, etc.).

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.

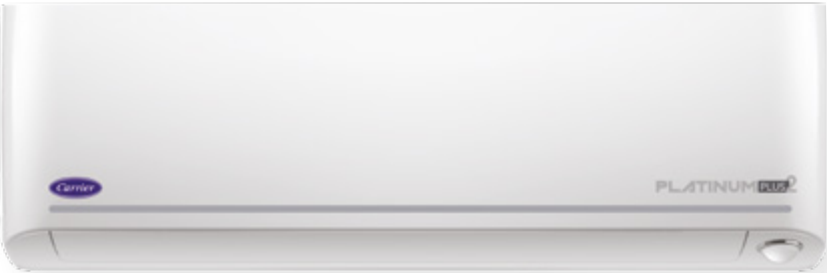




INVERTER HI-WALL



PLATINUM PLUS²



Ionizer Filter



Comfort Humidity



Intelligent Eye

High energy performance

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 provide you consistent comfort and precise temperature control for creating the ideal climate that meets 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 | ECO/GEAR | Auto-Defrosting |
| Golden Fin | Turbo | Auto-Restart |
| Base Pan Heater | 3D Airflow Louver Function / Horizontally | Electrical Voltage Protection |
| Crankcase Heater | Timer | Low Ambient |
| Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion | Dry Mode | Memorize |
| Ionizer Filter | Quiet Mode | Remote Control Locking |
| Follow Me | Self Clean | Refrigerant Leakage Detection |
| Sleep Mode | Auto-Diagnosis & Self Protection | 1W Stand By |

TECHNICAL CHARACTERISTICS

SYSTEM		38QHP/42QHP009E8SH	38QHP/42QHP012E8SH	38QHP/42QHP018E8SH
Cool capacity	kW	2,7(1,0-4,8)	3,6 (1,0-4,8)	5,0 (1,9-5,5)
Cool capacity	BTU/h	9.213 (3.412 - 16.378)	12.284 (3.412 - 16.378)	17.061 (6.483 - 18.767)
Heating capacity	kW	4,7 0,75-7,2)	4,7(0,75-7,2)	5,5(1,3-7,3)
Heating capacity	BTU/h	16.037 (2.559 - 24.567)	16.037 (2.559 - 24.567)	18.767 (4.436 - 24.909)
Heating capacity at -7°C	kW	5,1	5,1	5,3
Heating capacity at -10°C	kW	4,6	4,6	4,7
Heating capacity at -15°C	kW	3,8	3,8	4,1
Heating capacity at -20°C	kW	3,04	3,04	3,1
Heating capacity at -25°C		2,4	2,4	3,1
Heating capacity at -30°C		1,8	1,8	1,9
Heating capacity at -35°C	kW	1,7	1,7	1,5
Temp range cooling	°C	-15-50	-15-50	-15-50
Temp range heating	°C	-25-30	-25-30	-25-30
SEER/ SCOP(warmer)/ SCOP(average)/ SCOP(colder)	W/W	9.0/6.3/5.1/4.1	9.0/6.3/5.1/4.1	8.5/5.2/4.6/3.8
Energy label		A+++ / A+++ / A+++ / A+	A+++ / A+++ / A+++ / A+	A+++ / A+++ / A++ / A
Yearly energy consumption	kWh	105/667/796/2254	140/667/796/2254	206/1292/1278/3537
Standard current (cooling)	A	3.2	3.3	5.5
Standard input (cooling)	W	550	810	1265
Standard current (heating)	A	4.0	4.0	5.7
Standard input (heating)	W	1060	1060	1370
Refrigerant amout	Kg	1.10	1.10	1.18
Liquid side/ Gas side		1/4"-3/8"	1/4"-3/8"	1/4"-1/2"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	25	25	30
Max difference	m	10	10	20
Additional charge	g/m	12	12	12
Voltage, Hz	V/Hz	220 - 240/50 - 60	220 - 240/50 - 60	220 - 240/50 - 60
INDOOR UNIT		42QHP009E8SH	42QHP012E8SH	42QHP018E8SH
Sound power level	W	60	60	65
Sound pressure level (high/med/low/silence)	dB(A)	43/35/22/20	43/35/22/20	43/36/33/21
Air flow (high/med/low/silence)	m³/h	550/490/380/190	550/490/380/190	710/500/400/220
Weight	Kg	12.6	12.6	12.6
Dimensions (W×D×H)	mm	895x248x298	895x248x298	895x248x298
OUTDOOR UNIT		38QHP09E8SH	38QHP012E8SH	38QHP018E8SH
Sound power level	dB(A)	61	63	63
Sound pressure level	dB(A)	56	56	59
Airflow	m³/h	2350	2350	2350
Weight	Kg	35.2	35.2	43.5
Dimensions (W×D×H)	mm	805x330x554	805x330x554	890x342x673

Notes:

* Sound data @ cooling mode

*-7°C/-10°C/-15°C/-20°C/-25°C/-30°C/-35°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 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



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

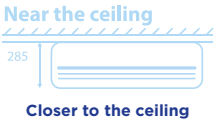
** Nominal means the noise value at rated cooling mode when compressor running at nominal frequency.



INVERTER HI-WALL



ambi



Grey Fabric Mask

Design, innovation, efficiency

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



FEATURES



BE+ Ion Cloud Advanced Dual Effect Technology Sterilization releases high energy jet flow plasma to sterilize bacteria & purify the indoor air.

x2

X2 Double blade for powerful and dynamic airflow direction.



Active Clean



100% Gear plus operation function, can be configured to 5 stage power input levels thereby achieving energy savings with autonomous operation.



Silent design achieved with larger crossflow fan, and new motor curved design, can go as low as 15-17dB.



Wi-Fi Active



Humidity control



ECO PLUS inverter technology ensures new flash cooling / flash heating | Cools down to 6.3°C & Warms up to 9.4°C in 10mins ECO technology sustains cooling output and provides true savings and comfort.



Extreme performance for cooling and Heating from -25°C to 50°C



Base Pan Heater



Bluetooth Controller (optional)

TECHNICAL CHARACTERISTICS

SYSTEM		38QCE/ 42QCE009D8SH	38QCE/ 42QCE012D8SH	38QCE/ 42QCE018D8S	38QCE/ 42QCE021D8S
Cool capacity	kW	2,60 (1,00-3,00)	3,52 (0,34-3,94)	5,20 (1,8-5,6)	6,12 (1,7-6,4)
Cool capacity	BTU/h	8.872 (3.412-10.236)	12.011(1.160-13.444)	17.743 (6.142-19.108)	20.882 (5.801-31.838)
Heating capacity	kW	3,75 (1,00-3,80)	3,81 (1,31-4,01)	5,57 (3,1-5,8)	6,49 (2,1-8,2)
Heating capacity	BTU/h	12.796 (3.412-12.966)	13.000 (4.470-13.683)	19.006 (10.578-19.790)	22.145 (7.165-27.980)
SCOP (μεσοία ζώνη)/SCOP (θερμή ζώνη)	W/W	8.5/4.6/5.5	8.5/4.6/6.0	7.1/4.1/5.3	6.4/4.1/4.4
Energy label		A+++ / A++ / A+++	A+++ / A++ / A+++	A++ / A+ / A+++	A++ / A+ / A+
Yearly energy consumption	kWh	107/760/739	144/791/724	107/760/739	333/1605/1432
Standard current (cooling)	A	4.60	5.10	7.20	8.70
Standard input (cooling)	W	690	1170	1630	2060
Standard current (heating)	A	4.80	4.80	6.50	4.20
Standard input (heating)	W	1090	1050	1550	1980
Refrigerant amount	kg	0.54	0.57	0.95	1.15
Liquid side/Gas side	inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	1/4"/1/2"
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	12
Voltage	V/Hz	220-240V-, 50Hz	220-240V-, 50Hz	220-240V-, 50Hz	220-240V-, 50Hz
INDOOR UNIT		42QCE009D8SH-G	42QCE012D8SH-G	42QCE018D8S-G	42QCE021D8S-G
Indoor fan motor Input	dB(A)	98	98	98	98
Indoor fan motor max current		0.8	0.8	0.8	0.8
Sound power level		57	56	59	64
Sound pressure level (Min. - Max.)	dB(A)	18-39	18-39	18-43	18-49
Air flow(Min. - Max.)	m³/h	380-880	370-880	380-880	480-1050
Weight	Kg	9.9	9.9	10.1	10.1
Dimensions (W×D×H)	mm	890×210×295	890×210×295	890×210×295	890×210×295
OUTDOOR UNIT		38QCE009D8SH	38QCE012D8SH	38QCE018D8S	38QCE021D8S
Sound power level	dB(A)	64	64	65	69
Sound pressure level	dB(A)	56	56	56	59
Airflow	m³/h	1800	2200	2200	2700
Weight	Kg	20.9	22.3	28.6	41.2
Dimensions (W×D×H)	mm	720×270×495	765×303×555	765×303×555	890×342×673

Notes:

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



INVERTER HI-WALL



EXTREME3



Comfort Hotel Manager



Green Fin



UV Lamp

Comfort on silent mode

Η σειρά EXTREME3 σας βοηθάει να δημιουργήσετε την ιδανική εσωτερική ατμόσφαιρα ακόμα και σε ακραίες εξωτερικές συνθήκες. Προσφέρει ανώτερη ενεργειακή απόδοση, αθόρυβη λειτουργία και δυνατότητα απομακρυσμένου ελέγχου. Η χρήση του UV φωτισμού που περιλαμβάνει, μπορεί να μειώσει ή να αποτρέψει τους μικροοργανισμούς που συσσωρεύονται στους αγωγούς του σπιτιού ή του γραφείου σας.



FEATURES

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

TECHNICAL CHARACTERISTICS

SYSTEM		38QHG/ 42QHG009D8SD	38QHG/ 42QHG012D8SD	38QHG/ 42QHG018D8SD	38QHG/ 42QHG024D8SD
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	264/1.235/1.435	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		42QHG009D8SD	42QHG012D8SD	42QHG018D8SD	42QHG024D8SD
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	1.083×244×336
OUTDOOR UNIT		38QHG009D8SD	38QHG012D8SD	38QHG018D8SD	38QHG024D8SD
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



CRYSTAL ultra clean PLUS



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



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		38QHGG/ 42QHGG009D8SU2	38QHGG/ 42QHGG012D8SU2	38QHGG/ 42QHGG018D8SU2	38QHGG/ 42QHGG024D8SU2
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		42QHGG009D8SU2	42QHGG012D8SU2	42QHGG018D8SU2	42QHGG024D8SU2
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		38QHGG009D8SU	38QHGG012D8SU	38QHGG018D8SU	38QHGG024D8SU
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



High Density Filter



Timer



Auto-Swing Mode



Dry Mode



Installation Kit



Auto-Restart



Easy to Carry



Wheels



Energy Save Mode



Auto-Diagnosis & Self Protection



Easy to Use



Follow Me Mode



Sleep Mode



Air-Filter

TECHNICAL CHARACTERISTICS

MODEL

51QPD12N7S-2

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:
 $W \times D \times H = \text{Width} \times \text{Depth} \times \text{Height}$

DEHUMIDIFIERS SERIES



DUAL Clean



HEPA Filter



UV+Super Ionizer



Self-Clean

Double the benefits in one!

The new Carrier DUAL Clean dehumidifier series combines advanced technology with elegant design to provide you with the clean air you deserve.



FEATURES



ECO



Automatic Restart after a power outage



Water Tank



Inverter Turbo



Remote Control via app



Child Lock



Clothes Drying



Voice Control with Google Home & Amazon Alexa



Timer



Humidity Level Indicator



Touch Screen



Louver



Auto Shut-Off when the tank is full



Rotating Wheels & Ergonomic Handle

TECHNICAL CHARACTERISTICS

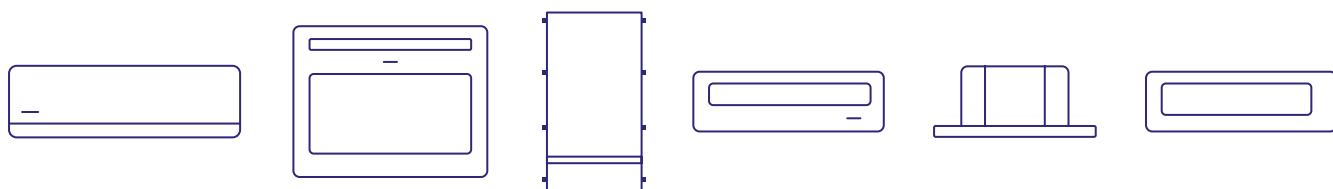
MODEL		CDI-30Q7 White	CDI-30Q7B Black
Dehumidification Capacity	L/day	30	30
Applicable Area	m²	73	73
Refrigerant		R290 / 0,12	R290 / 0,12
Water Tank Capacity	L	3	3
Airflow (H)	m³/h	191	191
Noise Level (H)	dB(A)	50,0	50,0
Operating Range	°C	5-32	5-32
Humidity Control Range	% RH	35% - 85%	35% - 85%
Dimensions (HxWxD)	mm	662 x 420 x 265	662 x 420 x 265
Weight	Kg	18,3	18,3
Control Type		Electronic	Electronic
Manufacturing / Origin		China / USA	China / USA

Note:
W×D×H = Width×Depth×Height

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**

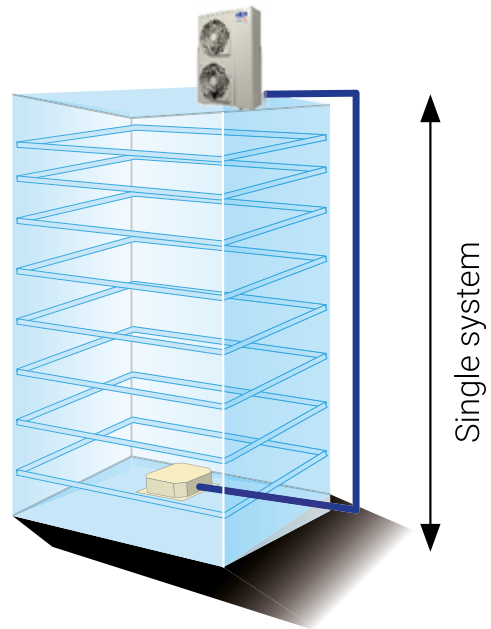
HIGHER PIPE LIMITS		
OUTDOOR UNITS	Max. Height	
	Between indoor and outdoor	Between indoor and indoor
1 DRIVE 2	15	10
1 DRIVE 3	15	10
1 DRIVE 4	15	10
1 DRIVE 5	15	10



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 42QHGO07D8S* (×2)	Cassette 42QTD007D8S* (×2)	Ducted 42QSV007D8S* (×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 42QHGO09D8S* (×2)	Cassette 42QTD009D8S* (×2)	Ducted 42QSV009D8S* (×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	

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL

		38QUS021D8S3-1		
IDUS COMBINATION FOR RATING		Hi-Wall 42QHGO07D8S* (×3)	Cassette 42QTD007D8S* (×3)	Ducted 42QSV007D8S* (×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-A		
IDUS COMBINATION FOR RATING		Hi-Wall 42QHGO09D8S* (×3)	Cassette 42QTD009D8S* (×3)	Ducted 42QSV009D8S* (×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 42QHGO07D8S* (×4)	Cassette 42QTD007D8S* (×4)	Ducted 42QSV007D8S* (×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-A		
IDUS COMBINATION FOR RATING		Hi-Wall 42QHGO09D8S* (×4)	Cassette 42QTD009D8S* (×4)	Ducted 42QSV009D8S* (×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 42QHGO09D8S (×5)	Cassette 42QTD009D8S* (×5)	Ducted 42QSV009D8S* (×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		

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 capacity 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		42QHGO07D8S*	42QHGO09D8S*	42QHGO12D8S*	42QHGO18D8S*	42QHGO24D8S*
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



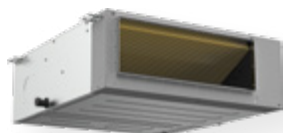
INDOOR UNIT - CONSOLE / UNDER CEILING		42QZL018D8SN	42QZL024D8SN
Cooling capacity	kW	5,28	7,04
Heating capacity	kW	5,28	7,04
Indoor fan motor input	W	98	98
Indoor fan motor max. current	A	0.94	0.94
Sound power level	dB(A)	58	55
Sound pressure level (high/med/low)	dB(A)	44/41/37	51/47/43
Airflow (high/med/low)	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		42QSV009D8S	42QSV012D8S	42QSV018D8S	42QSV024D8S
Cooling capacity	kW	2,60	3,50	5,30	7,10
Heating capacity	kW	2,90	3,80	6,00	8,00
Indoor fan motor input	W	130	130	200	200
Indoor fan motor max. current	A	1.11	1.11	1.65	1.65
Sound power level	dB(A)	52	52	53	56
Sound pressure level (high/med/low)	dB(A)	35/33/31/27	35/33/31/26	36.5/34/31/25	33.5/32.5/31/27.5
Airflow (high/med/low)	m³/h	620/540/450	660/570/470	900/780/650	1200/1000/700
External static pressure	Pa	0 - 100	0 - 100	0 - 160	0 - 160
Weight	Kg	16.6	16.6	24,40	31.8
Dimensions (W×D×H)	mm	765×303×555	765×303×555	805×330×554	890×342×673
Flare connections (liquid-gas)		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



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)

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-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-A HEAT PUMP (SYSTEM 3)

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)

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
	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	
	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	
	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

38QU5036D8S4-A HEAT PUMP (SYSTEM 4)

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
1:4	7+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
	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

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUS036D8S4-A HEAT PUMP (SYSTEM 4)

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
1:4	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
	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

INDOOR COMBINATION AND VARIABLE CAPACITY

38QUSO42D8S5-1 HEAT PUMP (SYSTEM 5)

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
	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
1:2	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
	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	
1:3	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
	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	
1:4	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
1:5	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											

INDOOR COMBINATION AND VARIABLE CAPACITY

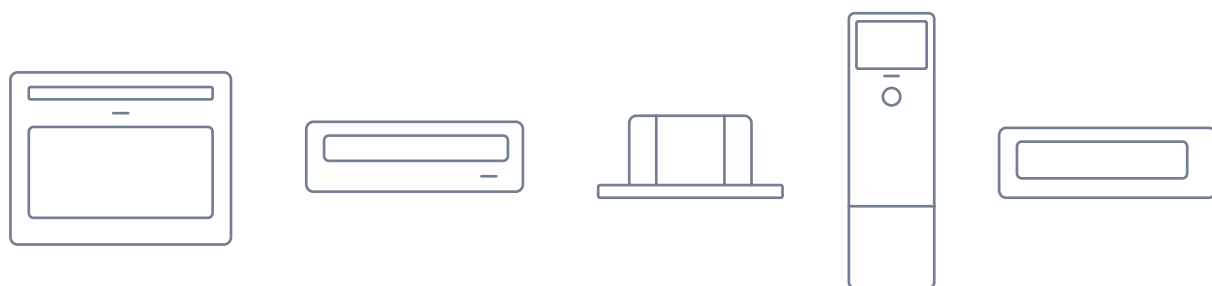
38QUSO42D8S5-1 HEAT PUMP (SYSTEM 5)

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	
1:2	24	24	—	—	—	—	7,60	—	—	—	—	2,09	7,60	8,50	0,70	2,10	2,20	3.62	
	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	
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		
1:4	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			

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

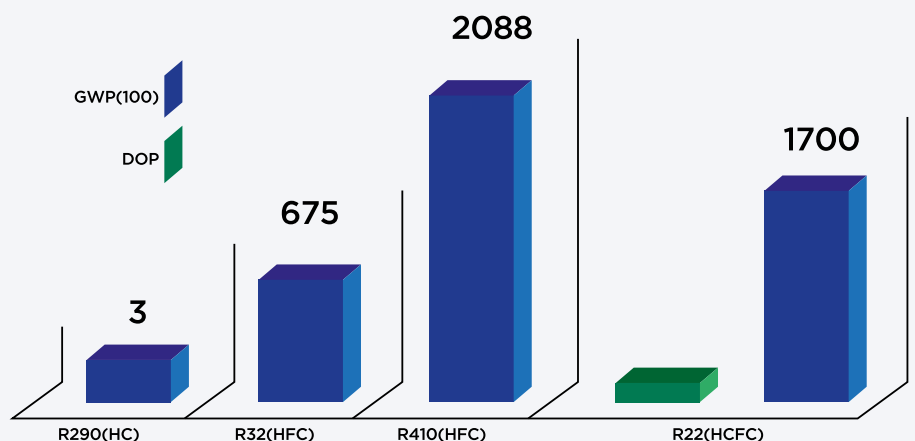
Carrier Light Commercial systems, with state-of-the-art technologies, flexible controls, variety of indoor units, wide range of capacities and improved installation, bring ultimate comfort and convenience to any light commercial installation.

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.

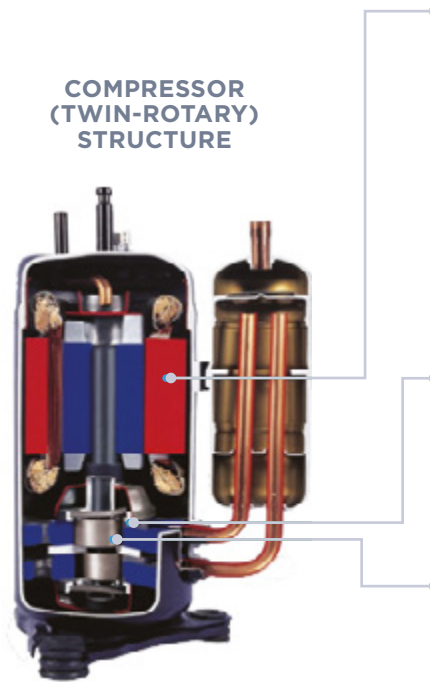
As a result, you can be comfortable all day long without worrying about the energy consumption.

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.



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.

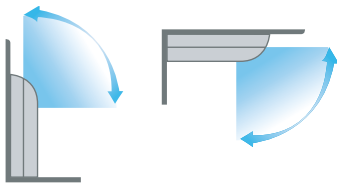
Several sensors placed in key positions on the refrigerant circuit electronically detect the operational state of the system.

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.

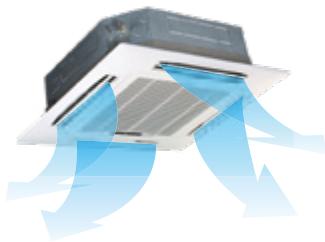
FLEXIBLE AND EASY INSTALLATION FOR ALL APPLICATIONS

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

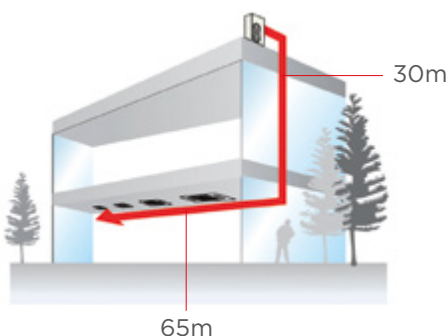
Carrier units have been designed to match all project requirements, with features that make installation more flexible to any given space.



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.

Piping: 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.

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.



BUILT-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.

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)



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.

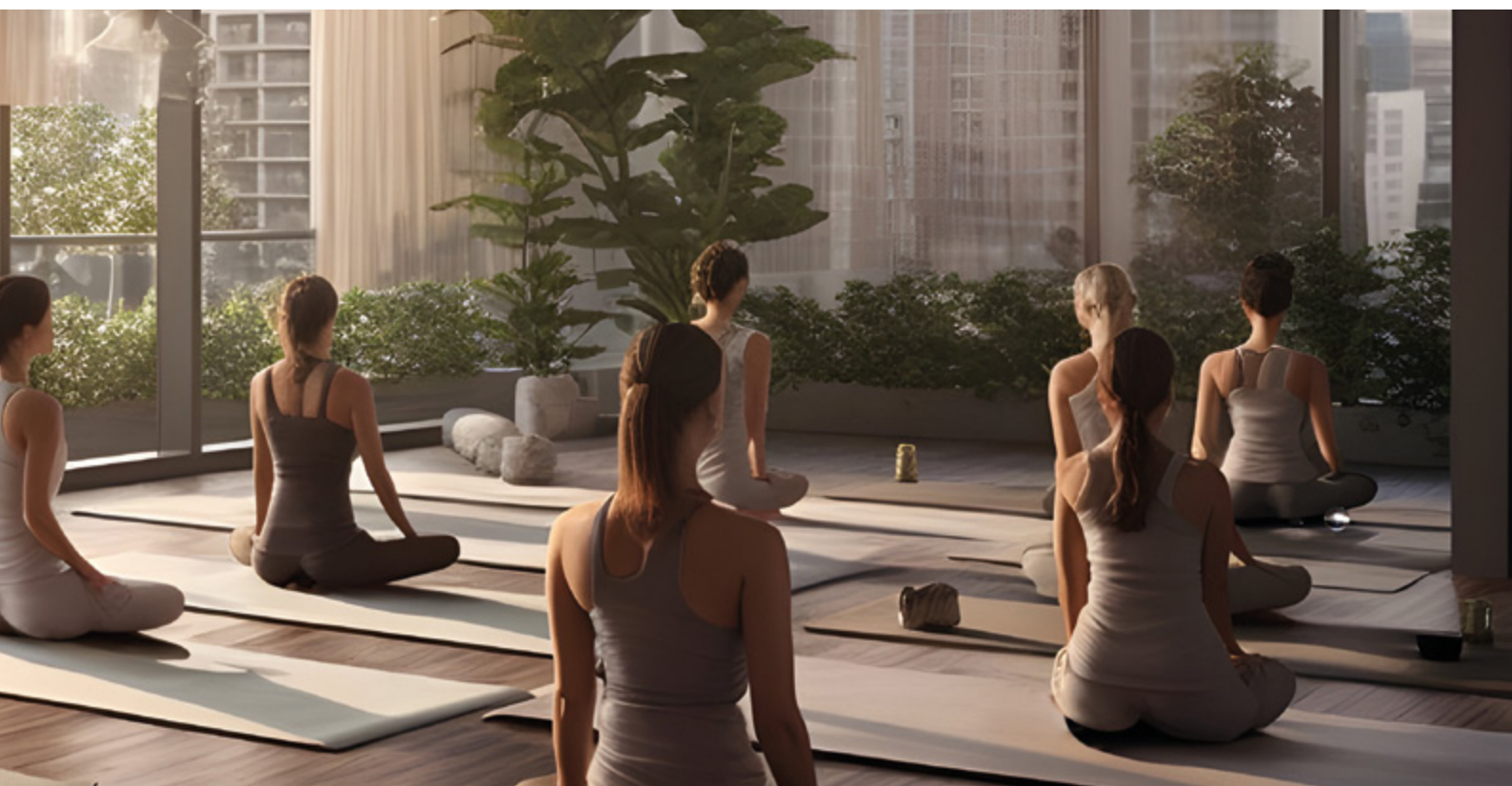


SLEEP MODE

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



Sleep Mode



Refrigerant Leak Detection



Auto-Restart



Timer



Electrical Voltage Protection
(168 up to 264V)



Active Clean



Auto-Swing



Wire Remote Control (optional)



Turbo Mode



Follow Me



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	-15 - 50
Temp range heating	°C	-15 - 24	-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	38QUS024D8SX	38QUS036D8S
Cooling capacity	kW	5,30 (2,71-5,86)	7,20 (3,22-7,94)	10,50 (2,72-11,43)
Heating capacity	kW	5,60 (2,42-6,30)	7,40 (2,72-8,50)	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	6.30/4.10/5.40	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	38QUS024D8SX	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	41,90	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		42QSV036D8S	42QSV048D8S	42QSV060D8S
OUTDOOR UNIT		38QUS036D8T	38QUS048D8TX	38QUS060D8TX
Cooling Capacity	Btu/h	36.000 (9.300 - 40.000)	48.000 (12.000 - 54.000)	52.000 (14.000 - 59.000)
Cooling Capacity	kW	10.6 (2.73 - 11.72)	14.0 (3.52 - 15.83)	15.3 (4.10 - 17.30)
Input	W	3.900 (890 - 4.200)	4.500 (810 - 6.450)	5.250 (1030 - 6.650)
Current	A	6.0 (1.4 - 6.7)	7.0 (1.8 - 10.5)	8.1 (3.1 - 11.5)
EER	W/W	2.71	3.13	2.9
Heating Capacity	Btu/h	40.000 (9.500 - 43.800)	55.000 (14.000 - 60.000)	62.000 (15.000 - 70.000)
Heating Capacity	kW	11.7 (2.78 - 12.84)	16.1 (4.10 - 17.60)	18.2 (4.40 - 20.5)
Input	W	3.300 (780 - 4.000)	4.600 (950 - 5.800)	5.150 (950 - 6.600)
Current	A	5.3 (1.3 - 6.4)	8.0 (2.0 - 9.0)	8.0 (2.0 - 11.5)
COP	W/W	3.55	3.50	3.53
Seasonal Cooling SEER	W/W	6.1	6.1	6.1
Seasonal Cooling Energy Efficiency Class		A++	A++	A++
Heating (Average) SCOP	W/W	4.0	4.0	4.0
Heating (Average) Energy Efficiency Class		A+	A+	A+
Heating (Warmer) SCOP	W/W	5.1	5.1	5.1
Heating (Warmer) Energy Efficiency Class		A+++	A+++	A+++
Rated Power Input	W	5000	7300	7500
Rated Current	A	10.0	14.0	14
Compressor Type		Rotary	Rotary	Rotary
Indoor air flow (Hi/Mi/Lo)	m³/h	1700/1400/1100	2000/1700/1300	2200/1900/1500
Indoor noise level (Hi/Mi/Lo/Si)	dB(A)	39/37/34/29	43.5/41.5/39.5/36	44.5/43/41.5//
Indoor sound power level	dB(A)	62	65	66
External static pressure	Pa	0 - 160	0 - 160	0 - 160
Dimension (W*D*H)	mm	1200×750×245	1200×750×245	1200×750×300
Net weight	kg	38.4	40.4	42.9
Outdoor air flow	m³/h	4000	5600	5600
Outdoor sound pressure level	dB(A)	65	64.5	64
Outdoor sound power level	dB(A)	70	73	74
Dimension (W*D*H)	mm	946×410×810	980×375×975	980×375×975
Net weight	kg	75.5	90	92
Refrigerant Type		R32	R32	R32
Refrigerant GWP		675	675	675
Refrigerant Charged quantity	kg	2.4	2.9	3.2
Design pressure	MPa	4.3/1.7	4.3/1.7	4.3/1.7
Liquid side/Gas side Refrigerant piping	inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Max. refrigerant pipe length	m	75	75	75
Max. difference in level	m	30	30	30
Thermostat type depend on order		Wire Control	Wire Control	Wire Control
Room temperature Indoor (cooling/heating)	°C	16 - 32/0 - 30	16 - 32/0 - 30	16 - 32/0 - 30
Room temperature Outdoor (cooling/heating)	°C	- 15 - 50/ - 20 - 24	- 15 - 50/ - 20 - 24	- 15 - 50/ - 20 - 24
Application area (Cooling Standard)	m²	48 - 70	64 - 94	69 - 102
Power supply	V-Ph-Hz	380 - 415V - 3Ph, Frequency - 50HZ		

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

Ανεξάρτητη κίνηση περσίδων

TECHNICAL CHARACTERISTICS SINGLE PHASE

INDOOR UNIT		42QTD012D8SN	42QTD018D8SN	42QTD024D8SN	42QTD030D8SN	42QTD036D8SN	42QTD042D8SN
OUTDOOR UNIT		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8SX	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 (2,78-8,50)	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	6.3/4.00/5.40	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	38QUS024D8SX	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	41,90	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		42QTD036D8SN	42QTD048D8SN	42QTD060D8SN
OUTDOOR UNIT		38QUS036D8T	38QUS048D8TX	38QUS060D8TX
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)	16,10 (4,10-17,30)	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	38QUS048D8TX	38QUS060D8TX
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	90	92
Dimensions (W×D×H)	mm	946×410×810	980×375×975	980×375×975
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.

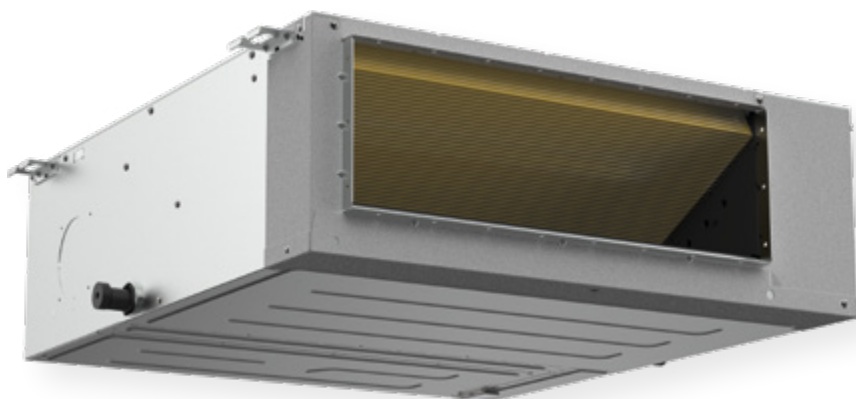




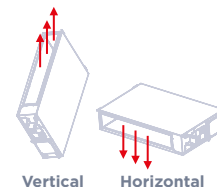
INVERTER DUCTED



XPOWER
42QSV



Two way installation:



Smaller & lighter

Elegance & comfort for lower - ceiling installations

Carrier New Duct unit has smaller & lighter design with maximum volume reduction of 20% and maximum weight reduction of 20%, suitable for low - ceiling installations. 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 improved static pressure MSP from 100 to 160*, 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



Compact and powerful Single Fan ODU. Same output as the Double Fan ODU



New Dragonfly - like Fan, Grille and Air Channel. Offers larger air volume and more focused airflow with less noise



Optimized E - box Design with Dual Cooling Methods



Power density increased: X6 PCB integrated, two boards into one board. Power density increased by 38%



Noise reduction: Compared to A6 reduce 3 - 5 dBA



Electrical Voltage Protection (168 to 264V)



Forced Operation Function



Auto - Restart Function



Defrosting Mode



Follow Me



Wi-Fi active



Comfort Zone Manager



Wired Control

TECHNICAL CHARACTERISTICS SINGLE PHASE

INDOOR UNIT		42QSV009D8S	42QSV012D8S	42QSV018D8S	42QSV024D8S	42QSV030D8S	42QSV036D8S	42QSV042D8S
OUTDOOR UNIT		38QUS009D8SX	38QUS012D8S-1	38QUS018D8S-1	38QUS024D8SX	38QUS030D8SX	38QUS036D8S	38QUS042D8S
Cooling capacity	kW	2.60 (0.35 - 3.81)	3.50 (0.52 - 3.91)	5.30 (1.32 - 6.15)	7.10 (3.22 - 7.91)	8.80 (2.23 - 9.97)	10.50 (2.75 - 11.72)	12.10 (2.93 - 12.31)
Heating capacity	kW	2.90 (0.94 - 3.48)	3.80 (1.00 - 4.47)	6.00 (1.49 - 6.30)	8.00 (2.78 - 8.56)	9.40 (2.70 - 9.99)	11.70 (2.78 - 12.60)	13.50 (3.37 - 14.07)
SEER/SCOP (average / warmer)	W/W	6.50/4.10/5.10	6.50/4.10/5.10	6.50/4.10/5.10	6.60/4.20/5.40	6.60/4.20/5.50	6.30/4.10/5.10	6.10/4.10/5.10
Energy Class		A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++	A++/A+/A+++
Annual electricity consumption	kWh	140/717	188/922	285/1.468	377/1.867	467/2.667	583/2.868	1.190 /3.244
EER/COP	W/W	3.66/3.44	3.02/2.97	3.32/3.72	3.99/3.11	3.14/3.91	2.67/3.61	3.03/3.80
Standard current	A	8.5	9.0	13.5	19.0	20.0	22.5	22.5
Standard input	W	1.820	1.850	2.950	3.700	4.500	5.000	5.000

INDOOR UNIT		42QSV009D8S	42QSV012D8S	42QSV018D8S	42QSV024D8S	42QSV030D8S	42QSV036D8S	42QSV042D8S
Sound power level	dB(A)	52	52	53	56	60	62	62
Sound pressure level (Hi/Mi/Lo/Si)	dB(A)	35/33/31/27	35/33/31/26	36.5/34/31/25	33.5/32.5/31/27.5	39/37/35/30	38/36/33/29	39/37/35.5/33
Air flow (Hi/Mi/Lo)	m³/h	620/540/450	660/570/470	900/780/650	1200/1000/700	1500/1200/900	1700/1400/1100	2000/1700/1300
Weight	Kg	16.6	16.6	24.4	31.8	32.7	38.4	40.6
Dimension (W×D×H)	mm	700 x 506 x 200	700 x 506 x 200	700 x 750 x 245	1000 x 750 x 245	1000 x 750 x 245	1200 x 750 x 245	1200 x 750 x 245

OUTDOOR UNIT		38QUS009D8SX	38QUS012D8S-1	38QUS018D8S-1	38QUS024D8SX	38QUS030D8SX	38QUS036D8S	38QUS042D8S
Temp range cooling	°C	-15 - 50						
Temp range heating	°C	-24 - 24						
Flare connections (liquid - gas)		1/4" -3/8"	1/4" -3/8"	1/4" -1/2"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Max. piping length	m	25	25	30	50	50	75	75
Max. difference	m	10	10	20	25	25	30	30
Refrigerant amount	Kg	0.65	0.71	1.15	1.4	1.8	2.4	2.8
Sound power level	dB(A)	62	62	62	69	70	70	72
Sound pressure level	dB(A)	53	55.5	59	60	60	65	63.5
Air flow	m³/h	2.200	2.200	2.100	3.500	3.800	4.000	4.000
Weight	Kg	24.6	26.6	32.5	41.9	51.0	66.9	71.0
Dimension (W×D×H)	mm	765 x 303 x 555	765 x 303 x 555	805 x 330 x 554	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810	946 x 410 x 810
Power supply	V/Hz/Ph	220-230/50/1						

* 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		42QSV036D8S	42QSV048D8S	42QSV060D8S
OUTDOOR UNIT		38QUS036D8T	38QUS048D8TX	38QUS060D8TX
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		42QSV036D8S	42QSV048D8S	42QSV060D8S
Sound power level	dB(A)	62	67	67
Sound pressure level (Hi/Mi/Lo/Si)	dB(A)	49.5/48/46/42	50/49/47/42	52.5/49/47/40
Air flow (Hi/Mi/Lo)	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
Dimension(WxDxH)	mm	1.360×774×249	1.200×874×300	1.200×874×300

OUTDOOR UNIT		38QUS036D8T	38QUS048D8TX	38QUS060D8TX
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 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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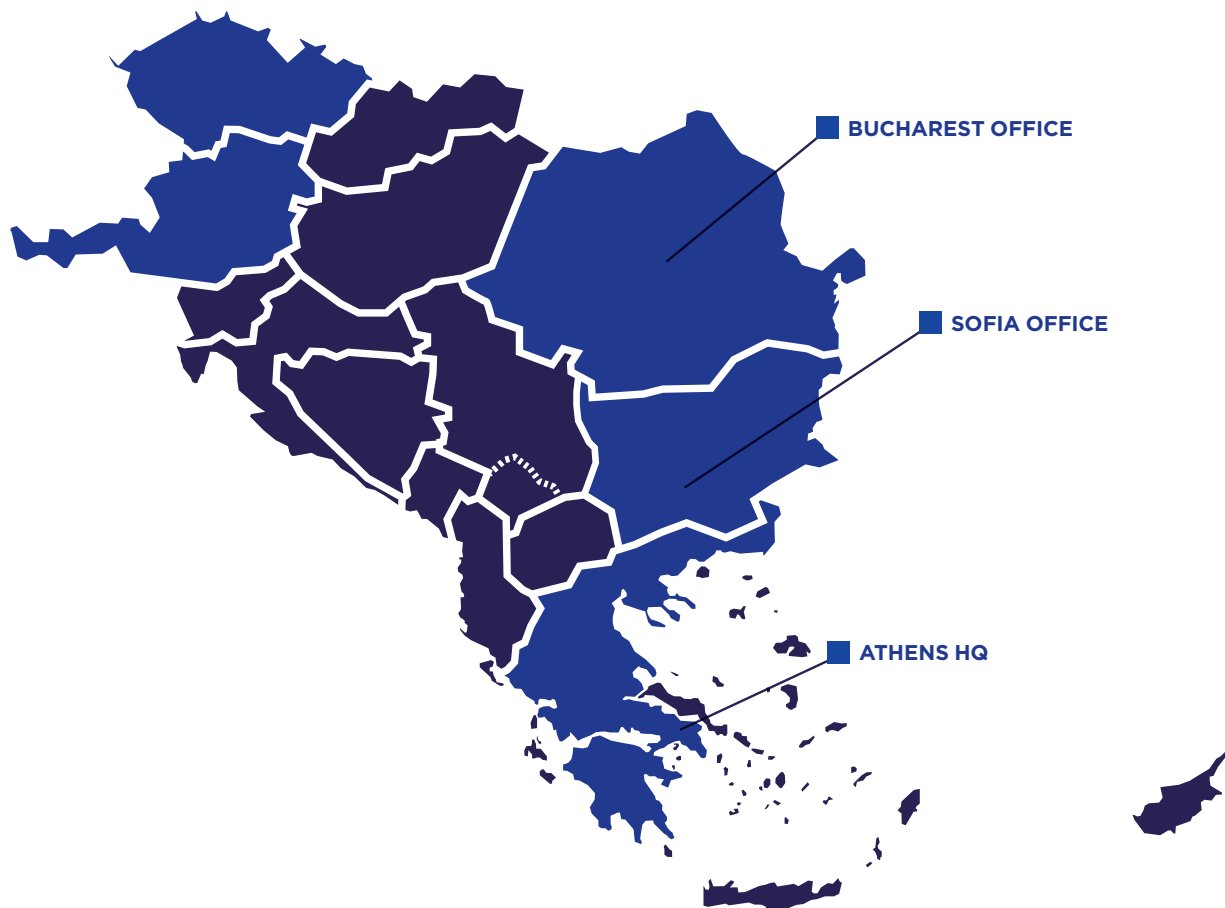


AHI CARRIER SEE has its Headquarters in Athens and affiliated offices in Sofia and Bucharest.

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TOSHIBA



100%



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