



Turn to the experts



# RESIDENTIAL & LIGHT COMMERCIAL UNITS

**CATALOGUE 2022-2023**





Turn to the experts



We create  
**the comfort you need**

INDEX

22

SINGLE  
SPLIT  
SYSTEMS

PLATINUM PLUS 24

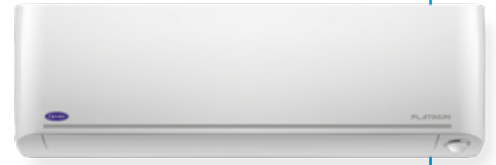
COOLEASY 26

XPOWER ION 28

EXTREME 2 30

SENSATION 32

CRYSTAL ULTRA  
CLEAN 34



36  
PORTABLE



38

DEHUMIDIFIERS



40  
AIR PURIFIERS

44

MULTI SPLIT SYSTEMS

LIGHT COMMERCIAL

**74**

**XPOWER 42QZL**



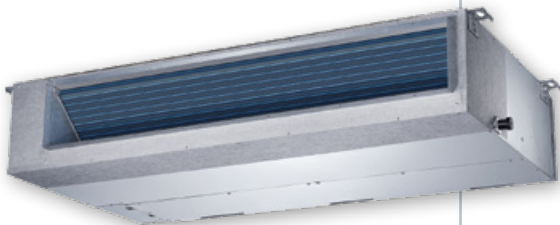
**78**

**XPOWER 42QTD**



**82**

**XPOWER 42QSS**



**86**

**XPOWER 42QFD**





# CARRIER IS A WORLD LEADER

## **In heating, air-conditioning and refrigeration solutions**

Carrier is the leading global provider of healthy, safe, and sustainable building and cold chain solutions with a world-class, diverse workforce. From the beginning, we've led in inventing new technologies and entirely new industries.

Today, we continue to lead because we keep customers at the center of every product and service we offer, and we act quickly to exceed their expectations.

Through our performance-driven culture, we are driving shareowner value by growing sales and investing strategically to strengthen our position in the markets we serve.



Turn to the experts

# Committed to making all homes & buildings healthy

Carrier has been driving innovation in air quality and indoor environments for more than a century. Now, at a time when it matters most, we're in the unique position of being able to continue leading the movement for healthy buildings. We provide safety, security, comfort and peace of mind in more ways and more places than ever before and maximize the impact of building solutions on human health and productivity.

To do this, we have the necessary expertise, partnerships, monitoring and equipment to ensure that all types of environments meet healthy building criteria. And our digital solutions and services guarantee ongoing progress.

# Our Commitments

## **INSPIRING CONFIDENCE**

Confidence is at the heart of everything we do. At Carrier, our innovations are helping people around the world get back to what's important.

---

## **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 indoor air. 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 here to help you make your home not only healthier, but more comfortable, too.

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 includes both the air we breathe as well as the comfort of feeling secure in our spaces. Our homes have become the new office, classroom, gym and restaurant, elevating 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 should feel safe and comfortable at home. At Carrier our world-leading brands in home comfort is being covered by a variety of solutions including efficient, intelligent home heating and cooling solutions and life-saving products.



Turn to the experts

## 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.



## 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.



## 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 ideal comfort.



## 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 heating and cooling products are among the world's most energy efficient.

## PRODUCTS CERTIFIED BY EUROVENT

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

EUROVENT is recognized as a world-class leader in the field of product performance ratings certification for Heating, Air-Conditioning & Ventilation products. Eurovent certification fulfills 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 leveling the competitive playing field for all manufacturers and increase the integrity and accuracy of the industrial performance ratings.



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

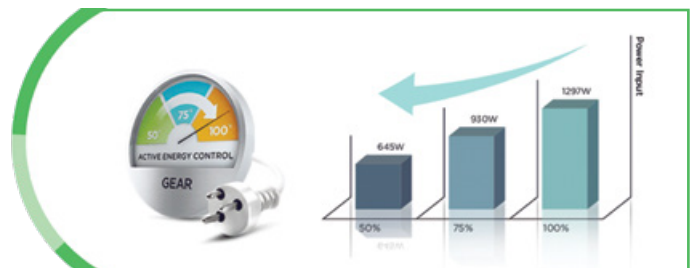
## HIGH EFFICIENCY TUBE

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



## GEAR OPERATION

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



# High Efficiency & Performance

## ULTRA-HIGH ENERGY EFFICIENCY PRODUCTS

The leading energy efficiency compressor as core element of the technology. Carrier air-conditioning units can provide heating and cooling in a wide range of operation from -25 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 reduce consumption!



DC Compressor

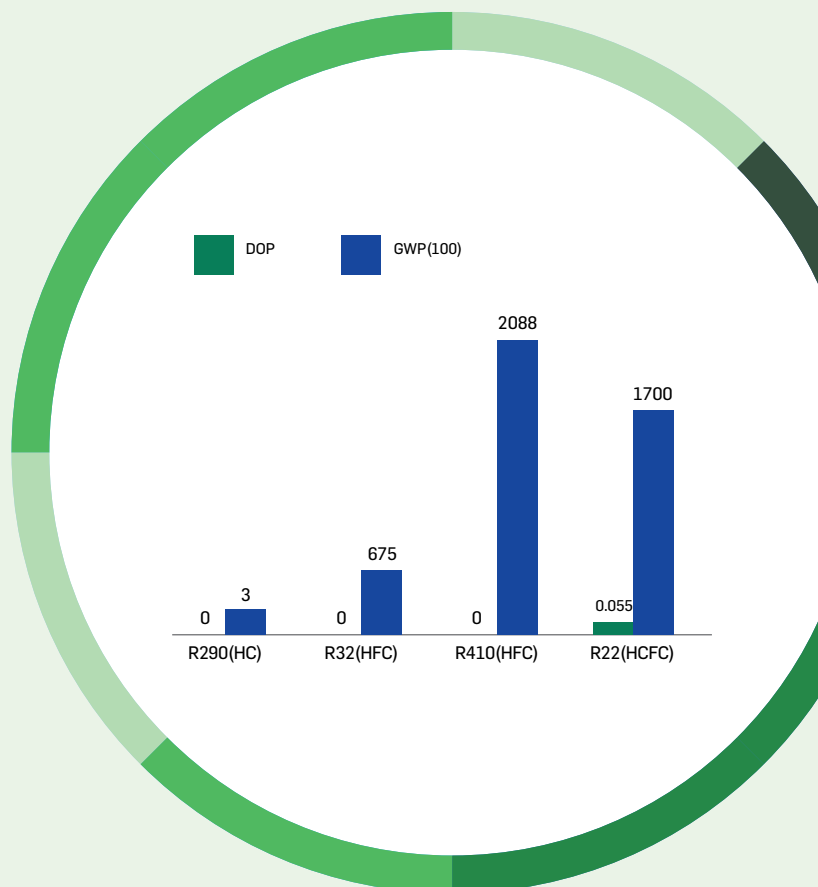
DC Motor

## ENVIRONMENTAL FRIENDLY PRODUCTS

A Refrigerant is a fluid/gas/liquid that is employed in the Air-Conditioning systems and Refrigerators. Without refrigerant, Air-Conditioners, Refrigerators, or any other freezing technology will 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 120 Hz



## **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.



## 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, the condenser and decrease the system's performance.

## CRANKCASE HEATER

The crankcase heater prevent refrigerant migration and mixing with crankcase oil when the unit is off, and prevent 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.



# 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 odors when it adheres to the heat exchanger by automatically freezing and then rapidly blowing away the frost. Active clean operation is used to produce more condensed water to improve the cleaning effect. Preventing the growth of mold and keeping the inside clean. When this function is turned on, the indoor unit display window appears "CL", after 20 to 45 minutes, the unit will turn off automatically and cancel 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 air flow 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 odors from the air, such as the smell of tobacco smoke. They cannot remove fine particles like mold, dust, or pollen from the air.

## 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 odors. 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 color-tone, and it protects the skin from photo-damage and wrinkling.

### NEGATIVE ION FILTER (IONIZER)

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

## SILVER ION FILTER

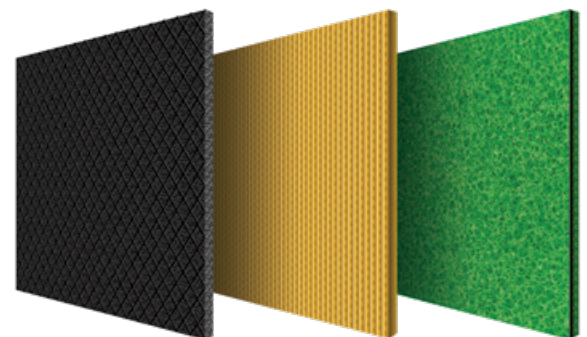
Silver ion filter is a new kind of high efficient sterilizing product. Silver ion is a colorless and tasteless ion that brings no side effect, irritation, pollution, drug tolerance or volatilization. Since the ion recycles itself after sterilizing, it is durable and can effectively stop bacteria from 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 odors such as cigarette smoke, for a cleaner and healthier indoor environment.

## UV LAMP

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



Cold Catalyst Filter

Vitamin C Filter

Negative Ion Filter



# 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 beloved 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 air flow before they enter the air-conditioning unit. It covers the air intake and thus helps keeping the unit and the coil clean from dirt and debris, providing better air quality. The pre-filter can be removed and cleaned with soap-water without losing its effectiveness.



#### TRIPLE ACTION FILTER

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



#### COLD CATALYST FILTER

This filter has a deodorizing effect and helps removing volatile organic compounds (VOCs) and odors. 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 color-tone and it protects the skin from photo-damage and wrinkling.



#### NEGATIVE ION FILTER

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



#### 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 odors 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 products. Silver ion is a colorless 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 odors 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

Intelligent on-off technology enables the unit to automatically enter energy-saving mode when on standby mode.

## COMFORT



### WI-FI ACTIVE

You can remotely control your AC from anywhere. This functionality 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 air flow 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 odors 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, not only detect the temperature but also detect 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 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.



### AUTOMATIC 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 prevent refrigerant migration and mixing with crankcase oil when the unit is off, and prevent 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.

# Single Split Systems

HOME HEATING AND COOLING EXPERTISE





Turn to the experts



# INVERTER HI-WALL



**Ionizer Filter**



**Comfort Humidity**



**Intelligent Eye**

## PLATINUM PLUS



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



Golden Fin



Base Pan Heater



Crankcase Heater



Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion



Ionizer Filter



Follow Me



Sleep Mode



X-ECO



Turbo



3D Air Flow Louver Function/Horizontally



Timer



Dry Mode



Quiet Mode



Self Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Low Ambient



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By



## TECHNICAL CHARACTERISTICS

### SYSTEM

	<b>38QHP / 42QHP09E8S-1</b>	<b>38QHP / 42QHP12E8S-1</b>
Cooling capacity	kW 2.64 (1.0-4.8)	3.52 (1.0-4.8)
Cooling capacity	BTU/h 9.008 (3.412 - 16.378)	12.011 (3.412 - 16.378)
Heating capacity	kW 4.00 (0.75-7.2)	4.00 (0.75-7.2)
Heating capacity	BTU/h 13.649 (2.559 - 24.567)	13.649 (2.559 - 24.567)
Heating capacity at -7°C	kW 4,2	4,2
Heating capacity at -10°C	kW 3,7	3,7
Heating capacity at -15°C	kW 3,3	3,3
Heating capacity at -20°C	kW 2,8	2,8
Heating capacity at -25°C	kW 2,2	2,2
Temp range cooling	°C -15~50	-15~50
Temp range heating	°C -25~30	-25~30
SEER/ SCOP(warmer)/ SCOP(average)/ SCOP(colder)	W/W 10.0/6.3/5.1/4.1	10.0/6.3/5.1/4.1
Energy label	A+++ / A+++ / A+++ / A+	A+++ / A+++ / A+++ / A+
Yearly energy consumption	kWh 93/674/615/1690	123/674/615/1690
Standard current (cooling)	A 3,2	3,3
Standard input (cooling)	W 510	720
Standard current (heating)	A 4,0	4,0
Standard input (heating)	W 850	850
Refrigerant amount	kg 0,90	0,90
Flare connections (gas-liquid)	1/4" - 3/8"	1/4" - 3/8"
Standard piping length	m 5	5
Min piping length	m 3	3
Max piping length	m 25	25
Max difference	m 10	10
Additional charge	g/m 12	12
Voltage, Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz

### INDOOR UNIT

	<b>42QHP09E8S-1</b>	<b>42QHP12E8S-1</b>
Indoor fan motor Input	W 60	60
Indoor fan motor max current	A 0,7	0,7
Sound power level	dB(A) 60	60
Sound pressure level (high/med/low/silence)	dB(A) 43/34/24/21	43/34/24/21
Air flow (high/med/low/silence)	m³/h 575/497/340/190	575/497/340/190
Weight	kg 12.7	12.7
Dimensions (W×D×H)	mm 895 x 248 x 298	895 x 248 x 298

### OUTDOOR UNIT

	<b>38QHP09E8S-1</b>	<b>38QHP12E8S-1</b>
Sound power level	dB(A) 63	63
Sound pressure level	dB(A) 47,5	51,5
Airflow	m³/h 2350	2350
Weight	kg 32.3	32.3
Dimensions (W×D×H)	mm 805 x 330 x 554	805 x 330 x 554

#### Notes

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



# INVERTER HI-WALL



3D Airflow



WiFi Activated

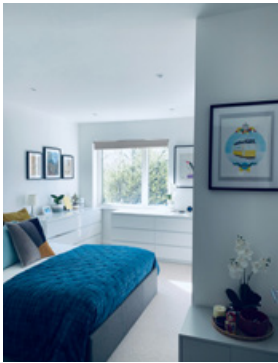


Base Pan Heater  
& Crankcase Heater

## COOLEASY

With an original smooth design of the indoor unit, and friendly R32 refrigerant, with Wi-Fi Active function and a modern stylish remote control.

With the 3D air flow function, CoolEasy series, has auto horizontal swing and auto vertical swing function, which supplies more even and comfortable air flow.



### FEATURES



Triple Filter Action: Cold Catalyst, Active Carbon, Silver Ion



Golden Fin



Base Pan Heater



Crankcase Heater



X- ECO



3D Air Flow



WiFi Active



Gear Operation



Turbo



Follow Me



Active Clean



Wind avoid me (Breeze away)



1W standby



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 - 13.000)	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 (3.003 - 15.013)	13.137 (3.003 - 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
SEER/ SCOP(warmer) / SCOP(average)	W/W	9.0/6.0/4.6	8.5 / 5.4 / 4.6	8.5/5.6/4.4	8.6/5.4/4.2
Energy label		A+++/A+++/A++	A+++/A+++/A++	A+++/A+++/A+	A+++/A+++/A+
Yearly energy consumption	kWh	103/595/731	144/648/731	215/1118/1369	279/1439/1667
Standard current (cooling)	A	2.65	3.90	5.70	7.30
Standard input (cooling)	W	550	860	1300	1700
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	1.1	1.5
Flare connections (gas-liquid)		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	12
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz

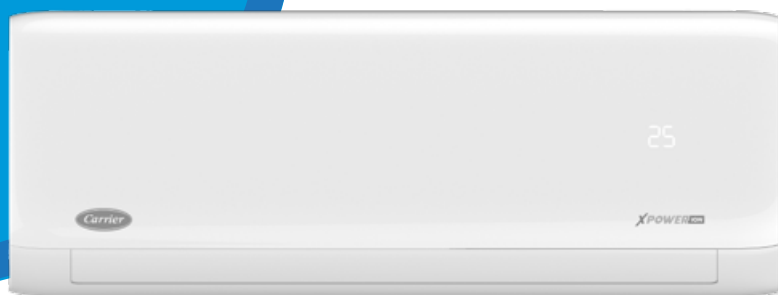
INDOOR UNIT		42QHE09D8SH	42QHE12D8SH	42QHE18D8SH	42QHE24D8SH
Indoor fan motor Input	W	50.0	50.0	36.0	58.0
Indoor fan motor max current	A	0.16	0.16	0.11	0.21
Sound power level	dB(A)	60	60	60	65
Sound pressure level (Min. ~ Max.)	dB(A)	21~37	22~40	22~41	21~42
Air flow (Min. ~ Max.)	m <sup>3</sup> /h	280~530	290~560	400~685	380~1090
Weight	kg	10.2	10.2	12.3	20.0
Dimensions (W×D×H)	mm	795 x 225 x 295	795 x 225 x 295	965 x 239 x 319	1140 x 275 x 370

OUTDOOR UNIT		38QHE09D8SH	38QHE12D8SH	38QHE18D8SH	38QHE24D8SH
Sound power level	dB(A)	65	65	65	69
Sound pressure level	dB(A)	50	50	52	56,5
Airflow	m <sup>3</sup> /h	2200	2200	3500	3500
Weight	kg	28.4	28.4	38.8	45.6
Dimensions (W×D×H)	mm	805 x 330 x 554	805 x 330 x 554	890 x 342 x 673	890 x 342 x 673

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



# INVERTER HI-WALL



**Ionizer**    **Wide Range Ambient Operation for Cooling/Heating (+50°/-15°C)**    **Base Pan Heater & Crankcase Heater**

## XPOWER ION



XPOWER Ion allows you to customize your home's indoor environment and make smarter decisions on energy management. Connected, intelligent, and efficient, the industry leading XPOWER Ion range gives you maximum control and unsurpassed comfort by helping minimize temperature swings and hot and cold spots within your home, while saving you money on energy costs.

The Ionizer of the unit creates a healthy climate as it rejuvenates the air with negatively charged ions. Additional to this, the unit is fitted with a series of filters so you and your family can breathe cleaner air.

### FEATURES



Wi-Fi Active



Ionizer



Golden Fin



Gear Operation



Fan Blades



9 Grades of Outdoor Fan Speed



Base Pan Heater & Crankcase Heater



Low Ambient Cooling/Heating



Pre Filter



Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion



Follow Me



Sleep Mode



X-ECO



Turbo



Wind Avoid Me (Breeze Away)



Timer



Dry Mode



Quiet Mode



Active Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By

## TECHNICAL CHARACTERISTICS

### SYSTEM

	38QHG/42QHG009D8SHR	38QHG/42QHG012D8SHR
Cooling capacity	kW 2.64 (1.03-3.22)	3.50(1.38~4.31)
Cooling capacity	BTU/h 9.007 (3.514 - 10.986)	11.942 (4.708 - 14.705)
Heating capacity	kW 2.90 (0.82-3.37)	3.90(1.07~4.38)
Heating capacity	BTU/h 9.894 (2.798 - 11.498)	13.307 (3.650 - 14.944)
Heating capacity at -7°C	kW 2,50	2,50
Heating capacity at -15°C	kW 2,00	2,00
Heating capacity at -20°C	kW 1,60	1,60
Temp range cooling	°C -15~50	-15~50
Temp range heating	°C -15~24	-15~24
SEER / SCOP (warmer) / SCOP (average)	W/W 8.8 / 6.0 / 4.6	8.5 / 6.0 / 4.6
Energy label	A+++ / A+++ / A++	A+++ / A+++ / A++
Yearly energy consumption	kWh 105 / 630 / 730	144 / 723 / 791
Standard current (cooling)	A 2,75	4,25
Standard input (cooling)	W 630	970
Standard current (heating)	A 2,85	4,35
Standard input (heating)	W 650	1000
Refrigerant amount	kg 0,62	0,62
Flare connections (gas-liquid)	1/4" - 3/8"	1/4" - 3/8"
Standard piping length	m 5	5
Min piping length	m 3	3
Max piping length	m 25	25
Max difference	m 10	10
Additional charge	g/m 12	12
Voltage, Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz

### INDOOR UNIT

	42QHG009D8SR	42QHG012D8SR
Sound power level	dB(A) 55	56
Sound pressure level (Max. - Min.)	dB(A) 19~37	21~39
Air flow (Max. - Min.)	m <sup>3</sup> /h 160~560	170~630
Weight	kg 8.7	8.7
Dimensions (W×D×H)	mm 835×208×295	835×208×295

### OUTDOOR UNIT

	38QHG009D8SHR	38QHG012D8SHR
Sound power level	dB(A) 59	62
Sound pressure level	dB(A) 50	51
Airflow	m <sup>3</sup> /h 2150	2200
Weight	kg 26.7	26.7
Dimensions (W×D×H)	mm 765×303×555	765×303×555

#### Notes

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



# INVERTER HI-WALL



UV Lamp



Gear Operation



Green Fin\*

\* size 9&12

## EXTREME<sup>2</sup>



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

### FEATURES



UV Lamp



Wi-Fi Active



Golden Fin



Green Fin (at sizes 9 & 12)



Gear Operation



Fan Blades



9 Grades of Outdoor Fan Speed



Base Pan Heater



Crankcase Heater



Low Ambient Heating/Cooling



Triple Filter Action: Cold Catalyst, Vitamin C, Negative Ion



Follow Me



Sleep Mode



X-ECO



Turbo



Wind Avoid Me (Breeze Away)



Timer



Dry Mode



Quiet Mode



Active Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By



Intelligent Dusting Switch

## TECHNICAL CHARACTERISTICS

SYSTEM		38QHГ/ 42QHГ009D8SE	38QHГ/ 42QHГ012D8SE	38QHГ/ 42QHГ018D8SE	38QHГ/ 42QHГ024D8SE
Cooling capacity	kW	2.75 (1.0-3.2)	3.65 (1.4-4.3)	5.28 (3.4-6.1)	7.04 (2.1-8.2)
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 (0.8-3.4)	3.90 (1.1-4.4)	5.70 (3.1-6.7)	7.50 (1.5-8.2)
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
SEER / SCOP (warmer) / SCOP (average)	W/W	7.4 / 5.3 / 4.1	7.0 / 5.5 / 4.2	7.0 / 5.1 / 4.0	6.5 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	130 / 660 / 854	182 / 636 / 833	264 / 1235 / 1435	379 / 1757 / 1820
Standard current (cooling)	A	3,50	5,00	6,80	10,90
Standard input (cooling)	W	765	1130	1550	2500
Standard current (heating)	A	3,40	4,60	7,40	9,60
Standard input (heating)	W	760	1050	1700	2200
Refrigerant amount	kg	0,60	0,65	1,10	1,45
Flare connections (gas-liquid)		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
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz

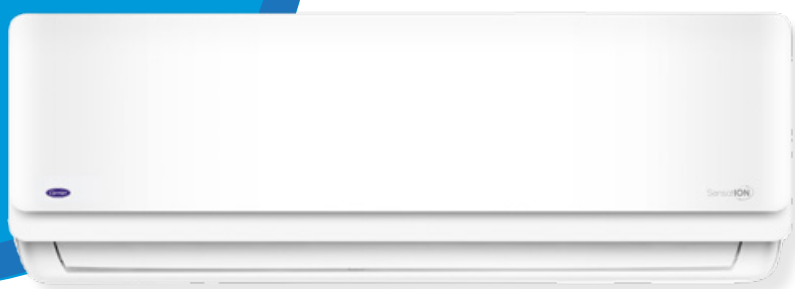
INDOOR UNIT		42QHГ009D8SE	42QHГ012D8SXЕ	42QHГ018D8SE	42QHГ024D8SE
Sound power level	dB(A)	56	56	58	63
Sound pressure level (Max. - Min.)	dB(A)	37 - 20	37 - 20	41 - 21	47 - 22
Air flow (Max. - Min.)	m³/h	460 - 180	530 - 195	800 - 300	1090 - 480
Weight	kg	8.0	8.7	11.2	13.6
Dimensions (W×D×H)	mm	726×210×291	835×208×295	969×241×320	1083×244×336

OUTDOOR UNIT		38QHГ009D8SE	38QHГ012D8SE	38QHГ018D8SE	38QHГ024D8SE
Sound power level	dB(A)	63	64	65	69
Sound pressure level	dB(A)	52	53	53	58
Airflow	m³/h	1750	1800	2100	3500
Weight	kg	23.5	23.7	33.5	43.9
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



# INVERTER HI-WALL



Ionizer



X-ECO



Triple Filter Action

## SensationION



Our new Sensation series designed with innovative technologies can help you solve noise issues with features, in the indoor & outdoor unit, that isolate sounds and vibrations.

The Ionizer of the unit creates a healthy climate as it rejuvenates the air with negatively charged ions.

Additional to this, the unit is fitted with a series of filters so you and your family can breathe cleaner air.

## FEATURES



Ionizer



Wi-Fi Active



Golden Fin



Remote Control Bright Screen



Triple Filter Action: Cold Catalyst, Active Carbon, Silver Ion



Follow Me



Sleep Mode



X-ECO



Turbo



Louver Function/ Horizontally



Timer



Dry Mode



Quiet Mode



Self Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Low Ambient



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By



## TECHNICAL CHARACTERISTICS

### OUTDOOR UNIT

		<b>38QHG/ 42QHB009D8SP</b>	<b>38QHG/ 42QHB012D8SP</b>	<b>38QHG/ 42QHB018D8SP</b>	<b>38QHG/ 42QHB024D8SP</b>
Cooling capacity	kW	2.70 (0.9~3.4)	3.50 (1.1~4.2)	5.30 (3.4~5.9)	7.20 (3.7~8.8)
Cooling capacity	BTU/h	9.213 (3.071 - 11.601)	11.942 (3.753 - 14.331)	18.084 (11.601 - 20.132)	24.567 (12.625 - 30.027)
Heating capacity	kW	3.08 (0.8~3.4)	3.80 (1.1~4.2)	5.40 (3.1~5.8)	7.50 (3.5~9.4)
Heating capacity	BTU/h	10.509 (2.730 - 11.601)	12.966 (3.753 - 14.331)	18.426 (10.578 - 19.790)	25.591 (11.942 - 32.074)
Heating capacity at -7°C	kW	2,5	3,0	4,7	7,2
Heating capacity at -15°C	kW	2,0	2,4	3,6	5,8
Heating capacity at -20°C	kW	1,5	1,9	2,9	4,8
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 (avg.)	W/W	6.9 / 5.3 / 4.1	7.0 / 5.4 / 4.0	7.0 / 5.1 / 4.0	6.5 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	137 / 660 / 922	175 / 648 / 1015	265 / 1318 / 1435	388 / 1537 / 1715
Standard current (cooling)	A	3,30	5,10	6,80	10,30
Standard input (cooling)	W	740	1160	1560	2600
Standard current (heating)	A	3,50	4,80	6,50	9,70
Standard input (heating)	W	780	1080	1450	2270
Refrigerant amount	kg	0,55	0,55	1,10	1,45
Flare connections (gas-liquid)		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	40
Max difference	m	10	10	20	20
Additional charge	g/m	12	12	12	24
Voltage, Hz		220-240V~, 50Hz, 1Ph	220-240V~, 50Hz, 1Ph	220-240V~, 50Hz, 1Ph	220-240V~, 50Hz, 1Ph

### INDOOR UNIT

		<b>42QHB009D8SP</b>	<b>42QHB012D8SP</b>	<b>42QHB018D8SP</b>	<b>42QHB024D8SP</b>
Sound power level	dB(A)	56	56	60	65
Sound pressure level (high/med/low/silence)	dB(A)	38/31/23/20	39/32/26/23	43/33.5/28/22	47/41.5/30.5/25
Air flow (high/med/low/silence)	m <sup>3</sup> /h	420/310/230/150	585/480/395/200	730/500/420/330	1020/830/640/450
Weight	kg	7.3	8.6	10.9	13.7
Dimensions (W×D×H)	mm	722×187×290	802×189×297	965×215×319	1080×226×335

### OUTDOOR UNIT

		<b>38QHG009D8SP</b>	<b>38QHG012D8SP</b>	<b>38QHG018D8SP</b>	<b>38QHG024D8SP</b>
Sound power level	dB(A)	63	63	65	67
Sound pressure level	dB(A)	51	51	53,5	58,5
Airflow	m <sup>3</sup> /h	1750	1800	2100	3500
Weight	kg	23.2	23.2	33.5	43.9
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



# INVERTER HI-WALL



UV Lamp

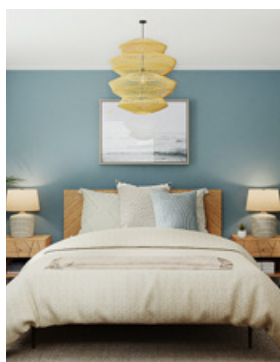


3D Airflow



Wind Avoid Me

**CRYSTAL** *ultra clean*



Now you can maintain the desired temperature by keeping your energy costs down... and not only this! CRYSTAL ULTRA CLEAN 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.

With the 3D air flow function, has auto horizontal swing and auto vertical swing function, which supplies more even and comfortable air flow.

## FEATURES



UV Lamp



Wi-Fi Active



Golden Fin



Fan Blades



9 Grades of Outdoor Fan Speed



Low Ambient Cooling/Heating



Triple Filter Action: Cold Catalyst, Negative Ion, Vitamin C



Follow Me



Sleep Mode



X-ECO



Turbo



3D Air Flow



Wind Avoid Me (Breeze away)



Timer



Dry Mode



Quiet Mode



Active Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By

## TECHNICAL CHARACTERISTICS

SYSTEM		38QHG/ 42QHGO09D8SU	38QHG/ 42QHGO12D8SU	38QHG/ 42QHGO18D8SU	38QHG/ 42QHGO24D8SU
Cooling capacity	kW	2.75 (1.0-3.2)	3.65 (1.4-4.3)	5.28 (2.4-6.1)	7.04 (2.1-8.2)
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 (0.8-3.4)	3.90 (1.1-4.4)	5.70 (2.1-6.7)	7.50 (1.5-8.2)
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	7.4 / 5.3 / 4.1	7.0 / 5.5 / 4.2	7.0 / 5.1 / 4.0	6.5 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	130 / 660 / 854	182 / 636 / 833	264 / 1235 / 1435	379 / 1757 / 1820
Standard current (cooling)	A	3,50	5,00	6,80	10,90
Standard input (cooling)	W	765	1130	1550	2500
Standard current (heating)	A	3,40	4,60	7,40	9,60
Standard input (heating)	W	760	1050	1700	2200
Refrigerant amount	kg	0,60	0,65	1,10	1,45
Flare connections (gas-liquid)		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
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz

INDOOR UNIT		42QHGO09D8SU	42QHGO12D8SU	42QHGO18D8SU	42QHGO24D8SU
Sound power level	dB(A)	56	56	58	63
Sound pressure level (Max. - Min.)	dB(A)	37/32/28/20	37/32/28/20	41/35/28/21	47/41/35/22
Air flow (Max. - Min.)	m³/h	460/330/260/180	530/400/350/195	800/600/500/300	1090/770/610/480
Weight	kg	8.0	8.7	11.2	13.6
Dimensions (W×D×H)	mm	726×210×291	835×208×295	969×241×320	1083×244×336

OUTDOOR UNIT		38QHGO09D8SU	38QHGO12D8SU	38QHGO18D8SU	38QHGO24D8SU
Sound power level	dB(A)	63	64	65	69
Sound pressure level	dB(A)	52	53	53	58
Airflow	m³/h	1750	1800	2100	3500
Weight	kg	23.5	23.7	33.5	43.9
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



# PORTABLE



New, more environmentally friendly refrigerant R290



Easy to Carry



## PD PORTABLE

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 m<sup>2</sup>.

### FEATURES



Remote Control



Auto Swing Mode



Auto Restart



Energy Save Mode



Follow Me Mode



High Density Filter



Dryer Mode



Easy to Carry



Auto Diagnosis & Self Protection



Sleep Mode



Timer



Installation Kit



Wheels



Easy to Use



Air-Filter

## TECHNICAL CHARACTERISTICS

### MODEL

#### Cooling capacity

Input

Current

EER

Energy Efficiency Class

#### Heating Capacity

Input

Current

COP

Energy Efficiency Class

Moisture removal

Rated input consumption

Rated current

Starting current

Indoor side air flow (Hi/Mi/Lo)

Indoor side noise level (Hi/Mi/Lo)

Sound power level (Hi)

Refrigerant type

Control type

Operation temp (room temp)

Application area (Cooling Standard)

Dimension (W×D×H)

Weight

Compressor Type

Power supply

### 51QPD12N7S-1

kW	3,5
W	1350
A	5,9
W/W	2,6
	A
kW	2,9
W	1045
A	5,0
W/W	2,8
	A+
L/h	3,25
W	1600
A	8,0
A	25
m <sup>3</sup> /h	420/370/350
dB(A)	55/54/53
dB(A)	64
	R290
	Remote Control
°C	17-35/5-30
m <sup>2</sup>	16-23
mm	467×397×765
kg	34.4
	ROTARY
V-Ph-Hz	220-240V,1Ph,50Hz

Note:

WxDxH = Width x Depth x Height

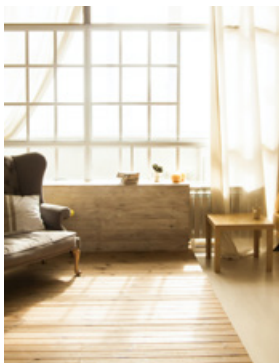
# DEHUMIDIFIERS SERIES



New, more environmentally friendly refrigerant R290



HEPA Filter H13



## NextGen

Best humidity-free air quality with the new generation of NextGen dehumidifiers.

### FEATURES



New Refrigerant R290



Pre-Filters



HEPA Filter (High Efficiency Particulate Air) for 16 & 20 lt models



Automatic Restart



Automatic Defrost



Overflow Protection\*



Illuminated Interactive Display



Large Relative Humidity Adjustment Range (% RH)



Wi-Fi Activated\*\*

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

\*\* (for models 16, 20, 30 & 50 lt), with built-in Wi-Fi Stick, without the need for any additional equipment, the user can operate the device remotely via the Internet. To use this function, only the mobile application is required, which is available for free for iOS & Android operating systems, while it is also offered with a Greek menu

## TECHNICAL CHARACTERISTICS

### MODEL

Moisture removal (30°C/80%)

Application area

Refrigerant type

Water tank volume

Air flow (Hi)

Sound pressure level (Hi)

Rated input

Rated current

Ambient temp

RH Range manual

Dimension (W\*D\*H)

Weight

Control type

Power supply

	CDQ-10Q7	CDQ-12Q7
L/day	10	12
m <sup>2</sup>	31	35
	R290	R290
L	1,6	1,6
m <sup>3</sup> /h	120	114
dB(A)	44.5	45.5
W	230	250
A	1,40	1,50
°C	5~32	5~32
% RH	35%-85%	35%-85%
mm	320x215x420	320x215x420
kg	11.6	12.0
	Electronic Control	Electronic Control
V-Hz-Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph



NextGen I

### MODEL

Moisture removal (30°C/80%)

Application area

Refrigerant type

Water tank volume

Air flow (Hi/Mi/Lo)

Sound pressure level (Hi/Mi/Lo)

Rated input

Rated current

Ambient temp

RH Range manual

Dimension (W\*D\*H)

Weight

Control type

Power supply

	CDF2-16Q7-1	CDF2-20Q7-1
L/day	16	20
m <sup>2</sup>	48	52
	R290	R290
L	3	3
m <sup>3</sup> /h	166/135/108	166/135/108
dB(A)	46/43.0/41	46/43.0/41
W	360	360
A	2.10	2,10
°C	5~32	5~32
% RH	35%-85%	35%-85%
mm	350x245x510	350x245x510
kg	15.0	15.0
	Electronic Control	Electronic Control
V-Hz-Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph



NextGen II

### MODEL

Moisture removal (30°C/80%)

Application area

Refrigerant type

Water tank volume

Air flow (Hi/Lo)

Sound pressure level (Hi/Lo)

Rated input

Rated current

Ambient temp

RH Range manual

Dimension (W\*D\*H)

Weight

Control type

Power supply

	CDP-30Q7-1	CDP-50Q7-1
L/day	30	50
m <sup>2</sup>	73	116
	R290	R290
L	3	6
m <sup>3</sup> /h	191/166	353/319
dB(A)	50/48.5	49.5/48
W	550	850
A	2.90	3.70
°C	5~32	5~32
% RH	35%~85%	35%~85%
mm	386x260x500	392x282x616
kg	17.0	19.0
	Electronic Control	Electronic Control
V-Hz-Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph



NextGen III

# AIR PURIFIERS SERIES



## Pioneering Air<sup>UV</sup>

Clean air inside your home is key to long-lasting comfort. Even when the temperature and humidity levels are ideal, pet dander and pollen circulating in the air can trigger allergy and asthma symptoms. To remove these irritants and have clean indoor air, a Carrier purifier is your best solution.





Light has an amazing power... it gives life! You may wonder how light works against airborne microbes or generally improves the air quality of your home. As air is forced through the device, it passes through UV lamps, which directly disinfect the air by means of germicidal irradiation. The UV lamps can alter the DNA of microorganisms and inactivate or destroy them.






Thus, the Photocatalyst filters together with Activated Carbon filters, HEPA & UV light form a fully advanced filtration system that improves the quality of your indoor air.



### FEATURES

-  Ionizer
-  HEPA filter H13
-  UV Lamp
-  Photocatalyst Filter
-  Activated Carbon Filter

-  Pre-Filters
-  DC Inverter
-  Remote Control
-  Air Quality Indicator
-  Control Panel

-  Sleep Mode
-  Filter Change Reminding
-  Timer
-  Auto Mode
-  Child Lock



## TECHNICAL CHARACTERISTICS

MODEL		CAFN026LC2	CAFN036LC2	CAFN051LC2
Coverage Area*	m	21 - 31	28 - 43	41 - 61
Power Consumption	W	30	30	60
CADR	m / h	260	360	510
Air Volume	m / h	300	430	600
Motor type		DC Motor	DC Motor	DC Motor
Noise level - sound pressure - 1/2/3/4	dB(A)	26/34/45/58	27/38/47/58	28/41/51/65
Fan Speed		1/2/3/4	1/2/3/4	1/2/3/4
Air quality indicator		4 stages (Blue / Green / Purple / Red)		
Air Filter Configuration		Pre-Filter (washable) H13 HEPA Filter (standard) Active Carbon Filter Photo-catalyst filter		
UV lamp		1	1	2
Replacement Filter reminder		Yes	Yes	Yes
Anion	pcs/cm	10 x 10 <sup>6</sup>	10 x 10 <sup>6</sup>	10 x 10 <sup>6</sup>
		1	1	2
Timing (1/4/8 hours)		1/4/8 hours	1/4/8 hours	1/2/4/8 hours
Dimension (D x W x H)	mm	346 x 173 x 596	410 x 210 x 628	460 x 230 x 710
Weight	kg	5.2	7.0	10.0
Power Supply	V/Hz	220 -240V/ 50-60Hz	220-240V/ 50-60Hz	220-240V/ 50-60Hz

\* The Calculating formula of Coverage Area(m<sup>2</sup>)= CADR\*0.07~0.12

CADR	120	260	510
0,08	9,6	20,8	40,8
0,12	14,4	31,2	61,2
0,14	16,8	36,4	71,4
0,16	19,2	41,6	81,6

# AIR PURIFIERS SERIES



## Novel Air



Indoor air pollution is actually more dangerous than the outdoor because the air is more concentrated in closed spaces. Removing the air pollutants can improve the quality of your indoor air.

For higher effectiveness High Efficiency Particulate Air (HEPA) filtration system is needed. HEPA filtration system satisfies certain levels of efficiency that is why it is recognized worldwide as the best filtration system. HEPA filters are incredibly effective at capturing almost every size of particle.

### FEATURES



Ionizer



HEPA filter H13



Pre-Filters



Air Quality Indicator



Air Flow



Control Panel



Sleep Mode



Filter Change Reminding



Aromatherapy Kit



Standby Mode



Timer

## TECHNICAL CHARACTERISTICS

### MODEL

Coverage Area\*  
 Power Consumption  
 CADR  
 Air Volume  
 Motor type  
 Noise level - sound pressure -  
 1/2/3/4  
 Fan Speed  
 Air quality indicator  
 Air Filter Configuration  
 Replacement Filter reminder  
 Anion  
 Timing (1 /4 /8 hours)  
 Dimension (D x W x H)  
 Weight  
 Power Supply

	CAFN012LC1	
Coverage Area*	m	14
Power Consumption	W	30
CADR	m /h	120
Air Volume	m /h	140
Motor type		AC Motor
Noise level - sound pressure - 1/2/3/4	dB(A)	55/35/25
Fan Speed		High / Mid / Low
Air quality indicator		4 stages (Blue / Green / Purple / Red)
Air Filter Configuration		Pre-Filter H13 HEPA Filter
Replacement Filter reminder		Yes
Anion	pcs/cm	10 x 10 <sup>8</sup>
Timing (1 /4 /8 hours)		1/2/4/8 hours
Dimension (D x W x H)	mm	228 / 228 / 324
Weight	kg	220-240V/ 50-60Hz
Power Supply	V/Hz	220 -240V/ 50-60Hz

\* The Calculating formula of Coverage Area(m<sup>2</sup>)= CADR\*0.07~0.12

CADR	120	260	510
0,08	9,6	20,8	40,8
0,12	14,4	31,2	61,2
0,14	16,8	36,4	71,4
0,16	19,2	41,6	81,6

# Multi Split Systems

SUPREME FLEXIBILITY AND COMFORT



Turn to the experts



# Delivering The Ultimate Comfort with the Maximum Flexibility



Eurovent  
Certification



Timer



Self-Diagnosis &  
Auto-Protection

With their virtually endless configurations, our lineup of multi air-conditioners allows you to choose the best solution to meet 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 esthetics 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!

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

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

## 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

## 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 single split solution, each of the outdoor unit is still operating 100 % output with lower efficiency.



Energy Efficiency



Comfort



Flexibility



## OUTDOOR UNITS TECHNICAL CHARACTERISTICS

### Outdoor Model

#### IDUs Combination for Rating

Cooling capacity	kW
Heating capacity	kW
SEER/ SCOP (average)	W/W
Energy label	
Yearly energy consumption	kWh
EER/ COP	W/W
Standard current (cooling)	A
Standard input (cooling)	W
Standard current (heating)	A
Standard input (heating)	W
Outdoor air flow	m <sup>3</sup> /h
Outdoor sound pressure level	dB(A)
Outdoor sound power level	dB(A)
Dimension (W×D×H)	mm
Weight	kg
Refrigerant charge amount, R32	kg
Flare connections (gas-liquid)	
Chargeless pipe length	m
Additional charge	g/m
Max. length for all rooms	m
Max. length for one indoor unit	m
Max. height difference between IDU and CDU	m
Max. height difference between indoor units	m
Temp range cooling	°C
Temp range heating	°C
Power supply	V-Hz-Ph

### 38QUS014D8S2-1

	Hiwall 42QHGO07D8S* (×2)	Hiwall 42QHB007D8S* (×2)	Cassette 42QTD007D8S (×2)	Ducted 42QSS007D8S (×2)
Cooling capacity	4.10 (1.44~4.98)	4.10 (1.44~4.98)	4.10 (1.31~4.70)	4.10 (1.39~4.98)
Heating capacity	4.40 (1.50~4.91)	4.35 (1.50~4.98)	4.30 (1.47~4.98)	4.66 (1.66~4.98)
SEER/ SCOP (average)	7.2 / 3.9	7.8 / 4.0	6.1 / 3.9	6.1 / 3.8
Energy label	A++/A	A++ / A+	A++ / A	A++ / A
Yearly energy consumption	200 / 1365	184 / 1330	236 / 1365	236 / 1474
EER/ COP	3.42 / 4.11	3.36 / 4.18	3.42 / 4.02	3.33 / 4.24
Standard current (cooling)	5.8	5.8	5.8	5.8
Standard input (cooling)	1200	1220	1200	1230
Standard current (heating)	5.4	5.4	5.4	5.5
Standard input (heating)	1070	1040	1070	1100
Outdoor air flow	2100			
Outdoor sound pressure level	52			
Outdoor sound power level	64			
Dimension (W×D×H)	805 x 330 x 554			
Weight	31.6			
Refrigerant charge amount, R32	1.1			
Flare connections (gas-liquid)	2 x (1/4" - 3/8")			
Chargeless pipe length	7,5 * 2			
Additional charge	12,0			
Max. length for all rooms	40			
Max. length for one indoor unit	25			
Max. height difference between IDU and CDU	15			
Max. height difference between indoor units	10			
Temp range cooling	-15 ~ 50			
Temp range heating	-15 ~ 24			
Power supply	220-240V~, 50Hz, 1Ph			

### Outdoor Model

#### IDUs Combination for Rating

Cooling capacity	kW
Heating capacity	kW
SEER/ SCOP (average)	W/W
Energy label	
Yearly energy consumption	kWh
EER/ COP	W/W
Standard current (cooling)	A
Standard input (cooling)	W
Standard current (heating)	A
Standard input (heating)	W
Outdoor air flow	m <sup>3</sup> /h
Outdoor sound pressure level	dB(A)
Outdoor sound power level	dB(A)
Dimension (W×D×H)	mm
Weight	kg
Refrigerant charge amount, R32	kg
Flare connections (gas-liquid)	
Chargeless pipe length	m
Additional charge	g/m
Max. length for all rooms	m
Max. length for one indoor unit	m
Max. height difference between IDU and CDU	m
Max. height difference between indoor units	m
Temp range cooling	°C
Temp range heating	°C
Power supply	V-Hz-Ph

### 38QUS018D8S2-2

	Hiwall 42QHGO09D8S* (×2)	Hiwall 42QHB009D8S (×2)	Cassette 42QTD009D8S (×2)	Ducted 42QSS009D8S (×2)
Cooling capacity	5.35 (2.26 - 5.57)	5.40 (2.23 - 5.72)	5.40 (2.23 - 5.72)	5.80 (1.32 - 5.57)
Heating capacity	5.50 (2.34 - 5.63)	5.50 (2.34 - 5.72)	5.50 (2.34 - 5.86)	6.00 (1.88 - 6.00)
SEER/ SCOP (average)	7.3 / 4.0	7.6 / 4.1	6.2 / 4.0	6.7 / 4.1
Energy label	A++/A+	A++ / A+	A++ / A+	A++ / A+
Yearly energy consumption	257 / 1540	249 / 1571	305 / 1575	303 / 1571
EER/ COP	3.34 / 3.67	3.70 / 3.93	3.38 / 3.79	3.79 / 4.29
Standard current (cooling)	7.1	7.1	7.1	7.3
Standard input (cooling)	1600	1460	1600	1530
Standard current (heating)	6.6	6.6	6.6	6.6
Standard input (heating)	1500	1400	1450	1400
Outdoor air flow	2100			
Outdoor sound pressure level	50			
Outdoor sound power level	63			
Dimension (W×D×H)	805 x 330 x 554			
Weight	35			
Refrigerant charge amount, R32	1.25			
Flare connections (gas-liquid)	2 x (1/4" - 3/8")			
Chargeless pipe length	7,5 * 2			
Additional charge	12,0			
Max. length for all rooms	40			
Max. length for one indoor unit	25			
Max. height difference between IDU and CDU	15			
Max. height difference between indoor units	10			
Temp range cooling	-15 ~ 50			
Temp range heating	-15 ~ 24			
Power supply	220-240V~, 50Hz, 1Ph			



## OUTDOOR UNITS TECHNICAL CHARACTERISTICS

### Outdoor Model

#### IDUs Combination for Rating

Cooling capacity	kW	6.30 (2.66 - 6.30)	6.30 (1.95 - 6.60)	6.20 (2.00 - 6.60)	6.20 (2.00 - 6.60)
Heating capacity	kW	6.50 (2.00 - 6.68)	6.60 (1.45 - 6.80)	6.50 (2.00 - 6.74)	6.30 (2.00 - 6.68)
SEER/ SCOP(average)	W/W	7,1 / 4,1	7,0 / 4,3	6,4 / 4,2	6,7 / 3,8
Energy label		A++/A+	A++ / A+	A++ / A+	A++ / A
Yearly energy consumption	kWh	311 / 1844	315 / 1758	340 / 1734	324 / 1879
EER/ COP	W/W	3.50 / 4.33	3.60 / 4.40	3.65 / 4.06	3.83 / 4.06
Standard current (cooling)	A	8.3	8.3	8.3	8.3
Standard input (cooling)	W	1800	1750	1700	1620
Standard current (heating)	A	7.6	7.6	7.6	7.6
Standard input (heating)	W	1500	1400	1600	1550
Outdoor air flow	m <sup>3</sup> /h	2100			
Outdoor sound pressure level	dB(A)	53			
Outdoor sound power level	dB(A)	66			
Dimension (W×D×H)	mm	890 x 342 x 673			
Weight	kg	43,3			
Refrigerant charge amount, R32	kg	1,5			
Flare connections (gas-liquid)		3 × (1/4" - 3/8")			
Chargeless pipe length	m	7,5 * 3			
Additional charge	g/m	12,0			
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	220-240V~, 50Hz, 1Ph			

### 38QUS021D8S3-1

	Hiwall 42QHGO07D8S* (×3)	Hiwall 42QHB007D8SN (×3)	Cassette 42QTD007D8S (×3)	Ducted 42QSS007D8S (×3)
Cooling capacity	6.30 (2.66 - 6.30)	6.30 (1.95 - 6.60)	6.20 (2.00 - 6.60)	6.20 (2.00 - 6.60)
Heating capacity	6.50 (2.00 - 6.68)	6.60 (1.45 - 6.80)	6.50 (2.00 - 6.74)	6.30 (2.00 - 6.68)
SEER/ SCOP(average)	7,1 / 4,1	7,0 / 4,3	6,4 / 4,2	6,7 / 3,8
Energy label	A++/A+	A++ / A+	A++ / A+	A++ / A
Yearly energy consumption	311 / 1844	315 / 1758	340 / 1734	324 / 1879
EER/ COP	3.50 / 4.33	3.60 / 4.40	3.65 / 4.06	3.83 / 4.06
Standard current (cooling)	8.3	8.3	8.3	8.3
Standard input (cooling)	1800	1750	1700	1620
Standard current (heating)	7.6	7.6	7.6	7.6
Standard input (heating)	1500	1400	1600	1550
Outdoor air flow	2100			
Outdoor sound pressure level	53			
Outdoor sound power level	66			
Dimension (W×D×H)	890 x 342 x 673			
Weight	43,3			
Refrigerant charge amount, R32	1,5			
Flare connections (gas-liquid)	3 × (1/4" - 3/8")			
Chargeless pipe length	7,5 * 3			
Additional charge	12,0			
Max. length for all rooms	60			
Max. length for one indoor unit	25			
Max. height difference between IDU and CDU	15			
Max. height difference between indoor units	10			
Temp range cooling	-15 ~ 50			
Temp range heating	-15 ~ 24			
Power supply	220-240V~, 50Hz, 1Ph			

### Outdoor Model

#### IDUs Combination for Rating

Cooling capacity	kW	8.15 (2.90 - 8.50)	7.85 (2.89 - 8.20)	7.50 (2.10 - 8.50)	8.30 (2.90 - 8.21)
Heating capacity	kW	8.00 (2.29 - 8.50)	8.20 (1.99 - 8.20)	7.70 (2.29 - 8.79)	8.10 (2.29 - 8.35)
SEER/ SCOP (average)	W/W	6.6 / 4.10	7.0 / 4.5	6.2 / 4.1	6.2 / 4.1
Energy label		A++/A+	A++ / A+	A++ / A+	A++ / A
Yearly energy consumption	kWh	432 / 1946	393 / 1773	423 / 1810	469 / 1912
EER/ COP	W/W	3.13 / 4.0	3.34 / 4.10	3.07 / 3.53	3.22 / 4.05
Standard current (cooling)	A	11.2	11.2	11.2	11.2
Standard input (cooling)	W	2600	2350	2440	2580
Standard current (heating)	A	10.1	10.1	9.8	10.1
Standard input (heating)	W	2000	2000	2180	2000
Outdoor air flow	m <sup>3</sup> /h	3000			
Outdoor sound pressure level	dB(A)	53			
Outdoor sound power level	dB(A)	67			
Dimension (W×D×H)	mm	890 x 342 x 673			
Weight	kg	48			
Refrigerant charge amount, R32	kg	1,85			
Flare connections (gas-liquid)		3 × (1/4" - 3/8")			
Chargeless pipe length	m	7,5 * 3			
Additional charge	g/m	12,0			
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	220-240V~, 50Hz, 1Ph			

### 38QUS027D8S3-2

	Hiwall 42QHGO09D8S* (×3)	Hiwall 42QHB009D8SN (×3)	Cassette 42QTD009D8S (×3)	Ducted 42QSS009D8S (×3)
Cooling capacity	8.15 (2.90 - 8.50)	7.85 (2.89 - 8.20)	7.50 (2.10 - 8.50)	8.30 (2.90 - 8.21)
Heating capacity	8.00 (2.29 - 8.50)	8.20 (1.99 - 8.20)	7.70 (2.29 - 8.79)	8.10 (2.29 - 8.35)
SEER/ SCOP (average)	6.6 / 4.10	7.0 / 4.5	6.2 / 4.1	6.2 / 4.1
Energy label	A++/A+	A++ / A+	A++ / A+	A++ / A
Yearly energy consumption	432 / 1946	393 / 1773	423 / 1810	469 / 1912
EER/ COP	3.13 / 4.0	3.34 / 4.10	3.07 / 3.53	3.22 / 4.05
Standard current (cooling)	11.2	11.2	11.2	11.2
Standard input (cooling)	2600	2350	2440	2580
Standard current (heating)	10.1	10.1	9.8	10.1
Standard input (heating)	2000	2000	2180	2000
Outdoor air flow	3000			
Outdoor sound pressure level	53			
Outdoor sound power level	67			
Dimension (W×D×H)	890 x 342 x 673			
Weight	48			
Refrigerant charge amount, R32	1,85			
Flare connections (gas-liquid)	3 × (1/4" - 3/8")			
Chargeless pipe length	7,5 * 3			
Additional charge	12,0			
Max. length for all rooms	60			
Max. length for one indoor unit	30			
Max. height difference between IDU and CDU	15			
Max. height difference between indoor units	10			
Temp range cooling	-15 ~ 50			
Temp range heating	-15 ~ 24			
Power supply	220-240V~, 50Hz, 1Ph			

## OUTDOOR UNITS TECHNICAL CHARACTERISTICS

### Outdoor Model

### 38QUS028D8S4

#### IDUs Combination for Rating

	Hiwall 42QH007D8S (×4)	Hiwall 42QHC007D8S-1 (×4)	Cassette 42QTD007D8S (×4)	Ducted 42QSS007D8S (×4)
Cooling capacity	kW 8.20 (2.49~10.26)	8.20 (2.51~10.43)	8.20 (2.45~10.20)	8.20 (2.85~9.67)
Heating capacity	kW 8.79 (1.61~10.14)	8.79 (1.61~10.14)	8.79 (1.54~11.43)	8.79 (2.28~11.43)
SEER/ SCOP(average)	W/W 7.0/4.0	7.0 / 4.0	6.8 / 4.0	6.1 / 3.8
Energy label	A++/A+	A++ / A+	A++ / A+	A++ / A
Yearly energy consumption	kWh 410/2380	410 / 2275	422 / 2240	471 / 2248
EER/ COP	W/W 3.23/3.71	3.23 / 3.66	3.49 / 3.69	3.49 / 3.69
Standard current (cooling)	A 10.9	11.4	10.5	10.5
Standard input (cooling)	W 2500	2540	2350	2350
Standard current (heating)	A 10.4	10.8	10.7	10.7
Standard input (heating)	W 2400	2400	2380	2380
Outdoor air flow	m <sup>3</sup> /h 3800			
Outdoor sound pressure level	dB(A) 63			
Outdoor sound power level	dB(A) 70			
Dimension (W×D×H)	mm 946×410×810			
Weight	kg 62.0			
Refrigerant charge amount, R32	kg 2.1			
Flare connections (gas-liquid)	3 × (1/4" / 3/8") + 1 × (1/4" / 1/2")			
Chargeless pipe length	m 7.5*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 220-240V~, 50Hz, 1Ph			

### Outdoor Model

### 38QUS036D8S4-1

#### IDUs Combination for Rating

	Hiwall 42QH009D8S* (×4)	Hiwall 42QHB009D8S* (×4)	Cassette 42QTD009D8S (×4)	Ducted 42QSS009D8S (×4)
Cooling capacity	kW 10.55 (2.74~11.29)	10.20 (2.05~10.55)	10.10 (2.05~10.55)	10.10 (2.73~10.70)
Heating capacity	kW 10.55 (3.60~10.83)	11.00 (2.34~11.14)	10.70 (2.34~11.14)	10.70 (3.66~11.43)
SEER/ SCOP(average)	W/W 6.5/4.0	6.5 / 3.8	5.7 / 3.8	6.0 / 3.8
Energy label	A++/A+	A++ / A	A+ / A	A+ / A
Yearly energy consumption	kWh 568/3220	550 / 3242	620 / 2984	589 / 2984
EER/ COP	W/W 3.23/3.71	2.82 / 3.55	2.74 / 3.31	2.81 / 3.46
Standard current (cooling)	A 15.0	16.0	16.2	15.9
Standard input (cooling)	W 3270	3620	3680	3600
Standard current (heating)	A 13.5	13.7	14.4	13.9
Standard input (heating)	W 2845	3100	3230	3090
Outdoor air flow	m <sup>3</sup> /h 4000			
Outdoor sound pressure level	dB(A) 64			
Outdoor sound power level	dB(A) 72			
Dimension (W×D×H)	mm 946×410×810			
Weight	kg 69.0			
Refrigerant charge amount, R32	kg 2.1			
Flare connections (gas-liquid)	3 × (1/4" / 3/8") + 1 × (1/4" / 1/2")			
Chargeless pipe length	m 7.5*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 220-240V~, 50Hz, 1Ph			

## OUTDOOR UNITS TECHNICAL CHARACTERISTICS

### Outdoor Model

### 38QUS042D8S5-1

### IDUs Combination for Rating

#### Cooling capacity

#### Heating capacity

#### SEER/ SCOP (average)

#### Energy label

#### Yearly energy consumption

#### EER/ COP

#### Standard current (cooling)

#### Standard input (cooling)

#### Standard current (heating)

#### Standard input (heating)

#### Outdoor air flow

#### Outdoor sound pressure level

#### Outdoor sound power level

#### Dimension (W×D×H)

#### Weight

#### Refrigerant charge amount, R32

#### Flare connections (gas-liquid)

#### Chargeless pipe length

#### Additional charge

#### Max. length for all rooms

#### Max. length for one indoor unit

#### Max. height difference between IDU and CDU

#### Max. height difference between indoor units

#### Temp range cooling

#### Temp range heating

#### Power supply

	Hiwall 42QHG009D8S (×5)	Cassette 42QTD009D8S (×5)	Ducted 42QSS009D8S (×5)
kW	12.30 (2.64~12.30)	12.30 (2.73~12.30)	12.30 (2.73~12.30)
kW	12.30 (3.52~12.30)	12.30 (2.42~12.30)	12.30 (3.81~12.30)
W/W	6.5 / 3.8	5.8 / 3.8	6.1 / 3.6
	A++/A	A+ / A	A++ / A
kWh	662/3500	742 / 3500	706 / 3695
W/W	3.24/3.73	3.23 / 3.73	3.00 / 3.73
A	17.3	17.8	18.0
W	3800	3810	4100
A	15.0	15.0	15.0
W	3300	3300	3300
m³/h	3850		
dB(A)	63		
dB(A)	72		
mm	946×410×810		
kg	74.1		
kg	2.9		
	4 × (1/4" / 3/8") + 1 × (1/4" / 1/2")		
m	7.5*5		
g/m	12		
m	80		
m	35		
m	15		
m	10		
°C	-15 ~ 50		
°C	-15 ~ 24		
V-Hz-Ph	220-240V~, 50Hz, 1Ph		

## INDOOR UNITS TECHNICAL CHARACTERISTICS

### HI-WALL



#### INDOOR UNIT - High Wall 15C HP

		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	0,5	0,5	0,5	0,5	0,7
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
Air flow (Min. ~ Max.)	m³/h	180~460	180~460	195~530	300~800	480~1090
Weight	kg	8.0	8.0	8.7	11.2	13.6
Dimensions (W×D×H)	mm	726×210×291	726×210×291	835×208×295	969×241×320	1083×244×336
Flare connections (gas-liquid)		1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Power supply	V-ph-Hz	220~240V~, 50Hz, 1Ph	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz

#### INDOOR UNIT - High Wall AB HP

		42QHB07D8SN	42QHB09D8SN	42QHB12D8SN	42QHB18D8SN	42QHB24D8SN
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	50	50	50	36	60
Indoor fan motor max current	A	0,2	0,2	0,2	0,5	0,5
Sound power level	dB(A)	56	56	56	60	65
Sound pressure level (Min. ~ Max.)	dB(A)	38/31/23/20	38/31/23/20	39/32/23/21	42/33/27/21	46/40/30/26
Air flow (Min. ~ Max.)	m³/h	420/310/230/150	420/310/230/150	585/480/395/200	730/500/420/330	1020/830/540/450
Weight	kg	7.3	7.3	8.6	10.9	13.7
Dimensions (W×D×H)	mm	722×187×290	722×187×290	802×189×297	965×215×319	1080×226×335
Flare connections (gas-liquid)		1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Power supply	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz

H/M/L/SL: High / Medium / Low / Super Low  
WxDxH: Width x Depth x Height

### CONSOLE / UNDER CEILING



#### INDOOR UNIT - Console

		42QZL018D8S-2(NEW)	42QZL024D8S
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 (Min. ~ Max.)	dB(A)	44.0/41.0/37.0	51.0 / 47.0 / 43.0
Air flow (Min. ~ Max.)	m³/h	960/840/725	1190 / 1025 / 850
Weight	kg	28.0	28.0
Dimensions (W×D×H)	mm	1068X675X235	1068X675X235
Flare connections (gas-liquid)		1/4" - 1/2"	3/8" - 5/8"
Power supply	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz

H/M/L/SL: High / Medium / Low / Super Low  
WxDxH: Width x Depth x Height

# INDOOR UNITS TECHNICAL CHARACTERISTICS

## CASSETTE



INDOOR UNIT - Cassette		42QTD007D8S	42QTD009D8S	42QTD012D8S-1	42QTD018D8S-2	42QTD024D8S
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	45.4/44.0/39.0	50.0/47.5/42.0
Air flow (high/med/low)	m <sup>3</sup> /h	560/430/390	560/430/390	570/485/390	680/585/480	1250/1120/995
Weight (Body)	kg	15.0	15.0	16.3	16.0	21.6
Weight (Panel)	kg	2.5	2.5	2.5	2.5	6.0
Dimensions (W×D×H)(Body)	mm	570x570x260	570x570x260	570x570x260	570x570x260	830x830x205
Dimensions (W×D×H)(Panel)	mm	647x647x50	647x647x50	647x647x50	647x647x50	950x950x55
Flare connections (gas-liquid)		1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Power supply	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz

## DUCTED



INDOOR UNIT - Ducted		42QSS007D8S	42QSS009D8S	42QSS012D8S-1	42QSS018D8S-1	42QSS024D8S
Cooling Capacity	kW	2.05	2.64	3.52	5.28	7.04
Heating Capacity	kW	2.05	2.64	3.52	5.28	7.04
Indoor fan motor input	W	130	130	130	200	200
Indoor fan motor max current	A	1,11	1,11	1,11	1,65	1,65
Sound power level	dB(A)	60	60	58	58	62
Sound pressure level (high/med/low)	dB(A)	42/36/30	42/36/30	34.5/32.0/30.0	42.0/39.0/35.0	49.0/46.0/41.0
Air flow (high/med/low)	m <sup>3</sup> /h	580/480/300	580/480/300	600/480/300	910/710/515	1230/1035/825
External static pressure	Pa	0~30	0~30	0~60	0~100	0~160
Weight	kg	18.0	18.0	17.8	24.4	32.3
Dimensions (W×D×H)	mm	700×450×200	700×450×200	700×506×200	880×674×210	1100×774×249
Flare connections (gas-liquid)		1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Power supply	V-ph-Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz	220~240V / 1Ph / 50Hz

Note:  
Do not have 24K IDU due to communication protocol issue





Turn to the experts



# Indoor Combinations

## INDOOR COMBINATION AND VARIABLE CAPACITY FOR 38QUS014D8S2-1 HEAT PUMP (SYSTEM 2)

### COOLING

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	2,00	—	1,23	2,00	2,90	0,30	0,62	0,77	3,23
	9	9	—	2,6	2,50	—	1,23	2,50	3,20	0,30	0,77	0,97	3,23
	12	12	—	3,2	3,50	—	1,23	3,50	3,90	0,30	1,08	1,30	3,23
	18	18	—	5,2	4,10	—	1,35	4,10	4,50	0,40	1,27	1,46	3,23
1:2	7+7	7	7	4	2,05	2,05	1,76	4,10	4,54	0,43	1,27	1,46	3,23
	7+9	7	9	4,6	1,79	2,31	1,76	4,10	4,54	0,43	1,27	1,46	3,23
	7+12	7	12	5,2	1,51	2,59	1,76	4,10	4,54	0,43	1,27	1,46	3,24
	9+9	9	9	5,2	2,05	2,05	1,76	4,10	4,54	0,43	1,27	1,46	3,24
	9+12	9	12	5,8	1,76	2,34	1,76	4,10	4,54	0,43	1,27	1,46	3,24

### HEATING

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	—	2,0	2,45	—	1,41	2,50	2,82	0,28	0,67	0,83	3,75
	9	9	—	2,6	2,92	—	1,41	2,90	3,36	0,28	0,78	0,97	3,73
	12	12	—	3,2	3,75	—	1,41	3,80	4,31	0,28	1,02	1,23	3,72
	18	18	—	5,2	4,70	—	1,55	4,70	5,20	0,38	1,27	1,32	3,71
1:2	7+7	7	7	4	2,35	2,35	2,02	4,70	5,20	0,39	1,15	1,32	4,10
	7+9	7	9	4,6	2,06	2,64	2,02	4,70	5,20	0,39	1,15	1,32	4,10
	7+12	7	12	5,2	1,75	3,00	2,02	4,75	5,26	0,39	1,19	1,32	4,00
	9+9	9	9	5,2	2,38	2,38	2,02	4,75	5,26	0,39	1,19	1,32	4,00
	9+12	9	12	5,8	2,04	2,71	2,02	4,75	5,26	0,39	1,19	1,32	4,00

## INDOOR COMBINATION AND VARIABLE CAPACITY FOR 38QUS018D8S2-2 HEAT PUMP (SYSTEM 2)

### COOLING

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

### HEATING

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	—	2,50	—	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 FOR 38QUS021D8S3-1 HEAT PUMP (SYSTEM 3)

### COOLING

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

### HEATING

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	—	—	2.50	—	—	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 FOR 38QUS021D8S3-2 HEAT PUMP (SYSTEM 3)

### COOLING

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
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	

### HEATING

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	—	—	2.50	—	—	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 FOR 38QUS028D8S4 HEAT PUMP (SYSTEM 4)

## COOLING

COMB.	IN-DOOR UNITS	COMBINATIONS (X1000 BTU/H)				RATED CAPACITY (kW)(NOM. COOLING)				TOTAL COOLING CAPACITY (kW)			TOTAL POWER INPUT (kW)			EER (W/W)
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT A	UNIT B	UNIT C	UNIT D	MIN.	RATED	MAX.	MIN.	RATED	MAX.	
1:1	7	7	—	—	—	2.00	—	—	—	1.52	2.00	2.90	0.40	0.62	0.78	3.21
	9	9	—	—	—	2.50	—	—	—	1.52	2.50	3.20	0.40	0.78	0.97	3.21
	12	12	—	—	—	3.50	—	—	—	1.52	3.50	3.90	0.40	1.09	1.31	3.21
	18	18	—	—	—	5.00	—	—	—	1.72	5.00	6.50	0.50	1.55	1.79	3.22
	24	24	—	—	—	7.00	—	—	—	1.89	7.00	8.20	0.65	2.17	2.28	3.22
1:2	7+7	7	7	—	—	2.10	2.10	—	—	2.05	4.20	6.08	0.62	1.31	1.98	3.21
	7+9	7	9	—	—	2.06	2.64	—	—	2.05	4.70	6.40	0.62	1.46	2.10	3.21
	7+12	7	12	—	—	1.95	3.35	—	—	2.05	5.30	6.81	0.62	1.65	2.23	3.21
	7+18	7	18	—	—	1.96	5.04	—	—	2.05	7.00	7.55	0.62	2.18	2.72	3.21
	7+24	7	24	—	—	2.03	6.97	—	—	2.05	9.00	8.78	0.62	2.80	2.94	3.21
	9+9	9	9	—	—	2.65	2.65	—	—	2.05	5.30	6.81	0.62	1.65	2.23	3.21
	9+12	9	12	—	—	2.57	3.43	—	—	2.05	6.00	6.98	0.62	1.87	2.35	3.21
	9+18	9	18	—	—	2.43	4.87	—	—	2.05	7.30	7.55	0.62	2.27	2.72	3.21
	9+24	9	24	—	—	2.70	7.20	—	—	2.05	9.90	8.37	0.62	3.08	2.97	3.21
	12+12	12	12	—	—	3.25	3.25	—	—	2.05	6.50	7.39	0.62	2.02	2.42	3.21
	12+18	12	18	—	—	2.92	4.38	—	—	2.05	7.30	7.55	0.62	2.27	2.72	3.21
	12+24	12	24	—	—	3.17	6.33	—	—	2.05	9.50	7.96	0.62	2.96	2.99	3.21
	18+18	18	18	—	—	3.75	3.75	—	—	2.05	7.50	7.55	0.62	2.34	2.72	3.21
	1:3	7+7+7	7	7	7	—	2.00	2.00	2.00	—	2.63	6.00	8.46	0.74	1.85	2.87
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
	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

## HEATING

COMB.	IN-DOOR 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	—	—	—	2.50	—	—	—	1.68	2.50	2.90	0.40	0.69	0.87	3.61
	9	9	—	—	—	3.00	—	—	—	1.68	3.00	3.20	0.40	0.83	1.04	3.61
	12	12	—	—	—	3.80	—	—	—	1.68	3.80	3.90	0.40	1.05	1.26	3.61
	18	18	—	—	—	5.60	—	—	—	1.91	5.60	7.01	0.50	1.55	1.78	3.61
	24	24	—	—	—	7.60	—	—	—	1.91	7.60	8.50	0.70	2.11	2.21	3.61
1:2	7+7	7	7	—	—	2.50	2.50	—	—	2.28	5.00	6.73	0.61	1.39	1.96	3.61
	7+9	7	9	—	—	2.45	3.15	—	—	2.28	5.60	7.10	0.61	1.55	2.08	3.61
	7+12	7	12	—	—	2.21	3.79	—	—	2.28	6.00	7.55	0.61	1.66	2.20	3.61
	7+18	7	18	—	—	2.18	5.62	—	—	2.28	7.80	8.37	0.61	2.16	2.69	3.61
	7+24	7	24	—	—	2.21	7.59	—	—	2.28	9.80	9.74	0.61	2.71	2.91	3.61
	9+9	9	9	—	—	3.00	3.00	—	—	2.28	6.00	7.55	0.61	1.66	2.20	3.61
	9+12	9	12	—	—	3.00	4.00	—	—	2.28	7.00	7.74	0.61	1.94	2.32	3.61
	9+18	9	18	—	—	2.63	5.27	—	—	2.28	7.90	8.37	0.61	2.19	2.69	3.61
	9+24	9	24	—	—	2.59	6.91	—	—	2.28	9.50	9.28	0.61	2.63	2.94	3.61
	12+12	12	12	—	—	3.75	3.75	—	—	2.28	7.50	8.19	0.61	2.08	2.40	3.61
	12+18	12	18	—	—	3.20	4.80	—	—	2.28	8.00	8.37	0.61	2.22	2.69	3.61
	12+24	12	24	—	—	3.33	6.67	—	—	2.28	10.00	8.37	0.61	2.77	2.69	3.61
	18+18	18	18	—	—	4.00	4.00	—	—	2.28	8.00	8.37	0.61	2.22	2.69	3.61
	1:3	7+7+7	7	7	7	—	2.33	2.33	2.33	—	2.91	7.00	9.37	0.73	1.92	2.84
7+7+9		7	7	9	—	2.37	2.37	3.05	—	2.91	7.80	9.37	0.73	2.14	2.84	3.65
7+7+12		7	7	12	—	2.29	2.29	3.92	—	2.91	8.50	9.37	0.73	2.28	2.84	3.73
7+7+18		7	7	18	—	1.93	1.93	4.95	—	2.91	8.80	9.37	0.73	2.37	2.84	3.72
7+9+9		7	9	9	—	2.38	3.06	2.68	—	2.91	8.50	9.37	0.73	2.28	2.84	3.73
7+9+12		7	9	12	—	2.20	2.83	3.77	—	2.91	8.80	9.37	0.73	2.36	2.84	3.73
7+9+18		7	9	18	—	1.81	2.33	4.66	—	2.91	8.80	9.37	0.73	2.37	2.84	3.72
7+12+12		7	12	12	—	1.99	3.41	3.41	—	2.91	8.80	9.37	0.73	2.36	2.84	3.73
9+9+9		9	9	9	—	2.93	2.93	2.93	—	2.91	8.80	9.37	0.73	2.36	2.84	3.73
9+9+12		9	9	12	—	2.64	2.64	3.52	—	2.91	8.80	9.37	0.73	2.36	2.84	3.73
9+9+18		9	9	18	—	2.20	2.20	4.40	—	2.91	8.80	9.37	0.73	2.37	2.84	3.72
9+12+12		9	12	12	—	2.40	3.20	3.20	—	2.91	8.80	9.37	0.73	2.37	2.84	3.72
12+12+12		12	12	12	—	2.93	2.93	2.93	—	2.91	8.80	9.37	0.73	2.37	2.84	3.72
1:4		7+7+7+7	7	7	7	7	2.28	2.28	2.28	2.28	3.37	9.10	11.01	0.83	2.45	3.06
	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 FOR 38QUS036D8S4-1 HEAT PUMP (SYSTEM 4)

## COOLING

COMB.	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)				RATED CAPACITY (kW)(NOM. COOLING)				TOTAL COOLING CAPACITY (kW)			TOTAL POWER INPUT (kW)			EER (W/W)
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT A	UNIT B	UNIT C	UNIT D	MIN.	RATED	MAX.	MIN.	RATED	MAX.	
1:1	7	7	—	—	—	2.00	—	—	—	1.59	2.00	2.90	0.45	0.62	0.78	3.21
	9	9	—	—	—	2.50	—	—	—	1.59	2.50	3.20	0.45	0.78	0.97	3.21
	12	12	—	—	—	3.50	—	—	—	1.59	3.50	3.90	0.45	1.09	1.31	3.21
	18	18	—	—	—	5.00	—	—	—	1.80	5.00	6.50	0.58	1.56	1.79	3.21
	24	24	—	—	—	7.00	—	—	—	2.01	7.00	8.00	0.62	2.18	2.29	3.21
1:2	7+7	7	7	—	—	2.10	2.10	—	—	2.23	4.20	6.36	0.63	1.31	2.15	3.21
	7+9	7	9	—	—	2.06	2.64	—	—	2.23	4.70	6.57	0.63	1.46	2.31	3.21
	7+12	7	12	—	—	2.03	3.47	—	—	2.23	5.50	6.89	0.63	1.71	2.48	3.21
	7+24	7	24	—	—	2.05	7.05	—	—	2.23	9.10	11.21	0.63	2.83	3.14	3.21
	7+18	7	18	—	—	1.96	5.04	—	—	2.23	7.00	8.48	0.63	2.18	2.91	3.21
	9+9	9	9	—	—	2.65	2.65	—	—	2.23	5.30	6.89	0.63	1.65	2.48	3.21
	9+12	9	12	—	—	2.57	3.43	—	—	2.23	6.00	7.42	0.63	1.87	2.64	3.21
	9+18	9	18	—	—	2.50	5.00	—	—	2.23	7.50	9.54	0.63	2.34	2.97	3.21
	9+24	9	24	—	—	2.65	7.05	—	—	2.23	9.70	11.80	0.63	3.02	3.30	3.21
	12+12	12	12	—	—	3.50	3.50	—	—	2.23	7.00	7.95	0.63	2.18	2.81	3.21
	12+18	12	18	—	—	3.40	5.10	—	—	2.23	8.50	10.07	0.63	2.65	2.97	3.21
	12+24	12	24	—	—	3.33	6.67	—	—	2.23	10.00	11.80	0.63	3.12	3.24	3.21
	18+18	18	18	—	—	5.00	5.00	—	—	2.23	10.00	10.60	0.63	3.12	3.30	3.21
1:3	7+7+7	7	7	7	—	2.00	2.00	2.00	—	2.86	6.00	7.42	0.79	1.85	2.97	3.25
	7+7+9	7	7	9	—	1.98	1.98	2.54	—	2.86	6.50	7.95	0.79	2.01	3.14	3.23
	7+7+12	7	7	12	—	2.02	2.02	3.46	—	2.86	7.50	9.01	0.79	2.33	3.30	3.22
	7+7+18	7	7	18	—	1.97	1.97	5.06	—	2.86	9.00	11.66	0.79	2.80	3.63	3.21
	7+7+24	7	7	24	—	2.03	2.03	6.95	—	2.86	11.00	13.25	0.79	3.42	3.80	3.22
	7+9+9	7	9	9	—	1.96	2.52	2.52	—	2.86	7.00	9.01	0.79	2.17	3.30	3.23
	7+9+12	7	9	12	—	2.00	2.57	3.43	—	2.86	8.00	10.07	0.79	2.48	3.47	3.22
	7+9+18	7	9	18	—	1.96	2.51	5.03	—	2.86	9.50	11.66	0.79	2.96	3.63	3.21
	7+9+24	7	9	24	—	2.01	2.59	6.90	—	2.86	11.50	13.25	0.79	3.57	3.83	3.22
	7+12+12	7	12	12	—	2.03	3.48	3.48	—	2.86	9.00	10.60	0.79	2.80	3.47	3.21
	7+12+18	7	12	18	—	1.89	3.24	4.86	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	7+12+24	7	12	24	—	1.87	3.21	6.42	—	2.86	11.50	13.25	0.79	3.57	3.76	3.22
	7+18+18	7	18	18	—	1.63	4.19	4.19	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	9+9+9	9	9	9	—	2.50	2.50	2.50	—	2.86	7.50	10.07	0.79	2.34	3.47	3.21
	9+9+12	9	9	12	—	2.55	2.55	3.40	—	2.86	8.50	10.60	0.79	2.65	3.47	3.21
	9+9+18	9	9	18	—	2.50	2.50	5.00	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	9+9+24	9	9	24	—	2.46	2.46	6.57	—	2.86	11.50	11.66	0.79	3.57	3.63	3.22
	9+12+12	9	12	12	—	2.59	3.45	3.45	—	2.86	9.50	11.66	0.79	2.96	3.63	3.21
	9+12+18	9	12	18	—	2.31	3.08	4.62	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21
	9+12+24	9	12	24	—	2.00	2.67	5.33	—	2.86	10.00	11.66	0.79	3.11	3.63	3.22
9+18+18	9	18	18	—	2.00	4.00	4.00	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21	
12+12+12	12	12	12	—	3.33	3.33	3.33	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21	
12+12+18	12	12	18	—	2.86	2.86	4.29	—	2.86	10.00	11.66	0.79	3.12	3.63	3.21	
1:4	7+7+7+7	7	7	7	7	2.05	2.05	2.05	2.05	3.71	8.20	10.60	0.89	2.30	3.30	3.56
	7+7+7+9	7	7	7	9	1.98	1.98	1.98	2.55	3.71	8.50	11.66	0.89	2.50	3.47	3.40
	7+7+7+12	7	7	7	12	2.02	2.02	2.02	3.45	3.71	9.50	12.72	0.89	2.88	3.63	3.30
	7+7+7+18	7	7	7	18	1.88	1.88	1.88	4.85	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+7+9+9	7	7	9	9	1.97	1.97	2.53	2.53	3.71	9.00	12.72	0.89	2.73	3.63	3.30
	7+7+9+12	7	7	9	12	2.00	2.00	2.57	3.43	3.71	10.00	13.25	0.89	3.12	3.96	3.21
	7+7+9+18	7	7	9	18	1.79	1.79	2.30	4.61	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+7+12+12	7	7	12	12	1.93	1.93	3.32	3.32	3.71	10.50	13.78	0.89	3.27	4.29	3.21
	7+9+9+9	7	9	9	9	1.96	2.51	2.51	2.51	3.71	9.50	13.25	0.89	2.94	3.80	3.23
	7+9+9+12	7	9	9	12	2.01	2.58	2.58	3.44	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+9+9+18	7	9	9	18	1.73	2.22	2.22	4.44	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+9+12+12	7	9	12	12	1.86	2.39	3.18	3.18	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	7+12+12+12	7	12	12	12	1.73	2.96	2.96	2.96	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+9+9	9	9	9	9	2.65	2.65	2.65	2.65	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+9+12	9	9	9	12	2.45	2.45	2.45	3.26	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+9+18	9	9	9	18	2.12	2.12	2.12	4.24	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+9+12+12	9	9	12	12	2.27	2.27	3.03	3.03	3.71	10.60	13.78	0.89	3.30	4.29	3.21
	9+12+12+12	9	12	12	12	2.12	2.83	2.83	2.83	3.71	10.60	13.78	0.89	3.30	4.29	3.21

# INDOOR COMBINATION AND VARIABLE CAPACITY FOR 38QUS036D8S4-1 HEAT PUMP (SYSTEM 4)

## HEATING

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	—	—	—	2.50	—	—	—	1.80	2.50	2.90	0.45	0.69	0.86	3.62
	9	9	—	—	—	3.00	—	—	—	1.80	3.00	3.20	0.45	0.83	1.04	3.62
	12	12	—	—	—	3.80	—	—	—	1.80	3.80	3.90	0.45	1.05	1.26	3.62
	18	18	—	—	—	5.60	—	—	—	2.04	5.60	7.00	0.55	1.55	1.78	3.61
	24	24	—	—	—	7.60	—	—	—	2.04	7.60	8.50	0.70	2.11	2.21	3.61
1:2	7+7	7	7	—	—	2.50	2.50	—	—	2.52	5.00	7.20	0.63	1.38	2.15	3.63
	7+9	7	9	—	—	2.45	3.15	—	—	2.52	5.60	7.44	0.63	1.54	2.31	3.63
	7+12	7	12	—	—	2.21	3.79	—	—	2.52	6.00	7.80	0.63	1.65	2.48	3.63
	7+18	7	18	—	—	2.24	5.76	—	—	2.52	8.00	9.60	0.63	2.21	2.91	3.62
	7+24	7	24	—	—	2.21	7.59	—	—	2.52	9.80	11.40	0.63	2.71	3.21	3.62
	9+9	9	9	—	—	3.00	3.00	—	—	2.52	6.00	7.80	0.63	1.65	2.48	3.63
	9+12	9	12	—	—	3.00	4.00	—	—	2.52	7.00	8.40	0.63	1.93	2.64	3.63
	9+18	9	18	—	—	2.93	5.87	—	—	2.52	8.80	10.80	0.63	2.43	2.98	3.62
	9+24	9	24	—	—	2.78	7.42	—	—	2.52	10.20	12.00	0.63	2.82	3.31	3.62
	12+12	12	12	—	—	3.75	3.75	—	—	2.52	7.50	9.00	0.63	2.07	2.81	3.62
	12+18	12	18	—	—	3.76	5.64	—	—	2.52	9.40	11.40	0.63	2.60	2.98	3.62
	12+24	12	24	—	—	3.50	7.00	—	—	2.52	10.50	12.00	0.63	2.90	3.24	3.62
	18+18	18	18	—	—	5.50	5.50	—	—	2.52	11.00	12.00	0.63	3.05	3.31	3.61
1:3	7+7+7	7	7	7	—	2.50	2.50	2.50	—	3.24	7.50	8.40	0.79	2.05	2.98	3.65
	7+7+9	7	7	9	—	2.37	2.37	3.05	—	3.24	7.80	9.00	0.79	2.14	3.14	3.65
	7+7+12	7	7	12	—	2.29	2.29	3.92	—	3.24	8.50	10.20	0.79	2.33	3.31	3.65
	7+7+18	7	7	18	—	2.52	2.52	6.47	—	3.24	11.50	13.20	0.79	3.17	3.64	3.63
	7+7+24	7	7	24	—	2.21	2.21	7.58	—	3.24	12.00	13.80	0.79	3.31	3.80	3.63
	7+9+9	7	9	9	—	2.38	3.06	3.06	—	3.24	8.50	10.20	0.79	2.33	3.31	3.65
	7+9+12	7	9	12	—	2.50	3.21	4.29	—	3.24	10.00	11.40	0.79	2.74	3.47	3.65
	7+9+18	7	9	18	—	2.37	3.04	6.09	—	3.24	11.50	13.20	0.79	3.17	3.64	3.63
	7+9+24	7	9	24	—	2.10	2.70	7.20	—	3.24	12.00	13.80	0.79	3.31	3.83	3.63
	7+12+12	7	12	12	—	2.48	4.26	4.26	—	3.24	11.00	12.00	0.79	3.03	3.47	3.63
	7+12+18	7	12	18	—	2.18	3.73	5.59	—	3.24	11.50	13.20	0.79	3.18	3.64	3.62
	7+12+24	7	12	24	—	1.95	3.35	6.70	—	3.24	12.00	13.80	0.79	3.31	3.77	3.62
	7+18+18	7	18	18	—	1.87	4.81	4.81	—	3.24	11.50	13.20	0.79	3.19	3.64	3.61
	9+9+9	9	9	9	—	3.33	3.33	3.33	—	3.24	10.00	11.40	0.79	2.75	3.47	3.63
	9+9+12	9	9	12	—	3.30	3.30	4.40	—	3.24	11.00	12.00	0.79	3.03	3.47	3.63
	9+9+18	9	9	18	—	2.88	2.88	5.75	—	3.24	11.50	13.20	0.79	3.19	3.64	3.61
	9+9+24	9	9	24	—	2.57	2.57	6.86	—	3.24	12.00	13.80	0.79	3.32	3.77	3.61
	9+12+12	9	12	12	—	3.14	4.18	4.18	—	3.24	11.50	13.20	0.79	3.17	3.64	3.63
	9+12+18	9	12	18	—	2.65	3.54	5.31	—	3.24	11.50	13.20	0.79	3.18	3.64	3.62
	9+12+24	9	12	24	—	2.30	3.07	6.13	—	3.24	11.50	13.20	0.79	3.18	3.64	3.62
9+18+18	9	18	18	—	2.30	4.60	4.60	—	3.24	11.50	13.20	0.79	3.19	3.64	3.61	
12+12+12	12	12	12	—	3.83	3.83	3.83	—	3.24	11.50	13.20	0.79	3.17	3.64	3.63	
12+12+18	12	12	18	—	3.29	3.29	4.93	—	3.24	11.50	13.20	0.79	3.19	3.64	3.61	
1:4	7+7+7+7	7	7	7	7	2.50	2.50	2.50	2.50	4.20	10.00	12.00	0.89	2.59	3.31	3.86
	7+7+7+9	7	7	7	9	2.57	2.57	2.57	3.30	4.20	11.00	12.60	0.89	2.93	3.47	3.75
	7+7+7+12	7	7	7	12	2.50	2.50	2.50	4.29	4.20	11.80	13.20	0.89	3.19	3.64	3.70
	7+7+7+18	7	7	7	18	2.15	2.15	2.15	5.54	4.20	12.00	14.40	0.89	3.29	4.30	3.65
	7+7+9+9	7	7	9	9	2.58	2.58	3.32	3.32	4.20	11.80	13.20	0.89	3.19	3.64	3.70
	7+7+9+12	7	7	9	12	2.40	2.40	3.09	4.11	4.20	12.00	13.80	0.89	3.24	3.97	3.70
	7+7+9+18	7	7	9	18	2.05	2.05	2.63	5.27	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+7+12+12	7	7	12	12	2.21	2.21	3.79	3.79	4.20	12.00	14.40	0.89	3.29	4.30	3.65
	7+9+9+9	7	9	9	9	2.47	3.18	3.18	3.18	4.20	12.00	13.80	0.89	3.24	3.80	3.70
	7+9+9+12	7	9	9	12	2.27	2.92	2.92	3.89	4.20	12.00	14.40	0.89	3.30	4.30	3.64
	7+9+9+18	7	9	9	18	1.95	2.51	2.51	5.02	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+9+12+12	7	9	12	12	2.10	2.70	3.60	3.60	4.20	12.00	14.40	0.89	3.30	4.30	3.64
	7+12+12+12	7	12	12	12	1.95	3.35	3.35	3.35	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	7+12+12+18	7	12	12	18	1.71	2.94	2.94	4.41	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+9+9	9	9	9	9	3.00	3.00	3.00	3.00	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+9+12	9	9	9	12	2.77	2.77	2.77	3.69	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+9+18	9	9	9	18	2.40	2.40	2.40	4.80	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+9+12+12	9	9	12	12	2.57	2.57	3.43	3.43	4.20	12.00	14.40	0.89	3.31	4.30	3.63
	9+12+12+12	9	12	12	12	2.40	3.20	3.20	3.20	4.20	12.00	14.40	0.89	3.31	4.30	3.63

# INDOOR COMBINATION AND VARIABLE CAPACITY FOR 38QUS042D8S5-1 HEAT PUMP (SYSTEM 5)

## COOLING

COMB.	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)					RATED CAPACITY (kW)(NOM. COOLING)					TOTAL COOLING CAPACITY (kW)			TOTAL POWER INPUT (kW)			EER (W/W)
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT E	UNIT A	UNIT B	UNIT C	UNIT D	UNIT E	MIN.	RATED	MAX.	MIN.	RATED	MAX.	
1:1	7	7	—	—	—	—	2.00	—	—	—	—	1.66	2.00	2.90	0.45	0.62	0.78	3.22
	9	9	—	—	—	—	2.50	—	—	—	—	1.66	2.50	3.20	0.45	0.78	0.97	3.22
	12	12	—	—	—	—	3.50	—	—	—	—	1.66	3.50	3.90	0.45	1.09	1.30	3.22
	18	18	—	—	—	—	5.00	—	—	—	—	1.85	5.00	6.50	0.58	1.56	1.79	3.21
	24	24	—	—	—	—	7.00	—	—	—	—	2.09	7.00	8.20	0.70	2.18	2.29	3.21
1:2	7+7	7	7	—	—	—	2.10	2.10	—	—	—	2.34	4.20	7.38	0.63	1.30	2.16	3.23
	7+9	7	9	—	—	—	2.06	2.64	—	—	—	2.34	4.70	7.63	0.63	1.46	2.31	3.23
	7+12	7	12	—	—	—	2.03	3.47	—	—	—	2.34	5.50	8.00	0.63	1.70	2.50	3.23
	7+18	7	18	—	—	—	1.96	5.04	—	—	—	2.34	7.00	9.84	0.63	2.17	2.65	3.23
	7+24	7	24	—	—	—	2.05	7.05	—	—	—	2.34	9.10	11.69	0.63	2.83	2.98	3.21
	9+9	9	9	—	—	—	2.65	2.65	—	—	—	2.34	5.30	8.00	0.63	1.64	2.50	3.23
	9+12	9	12	—	—	—	2.57	3.43	—	—	—	2.34	6.00	8.61	0.63	1.86	2.53	3.23
	9+18	9	18	—	—	—	2.50	5.00	—	—	—	2.34	7.50	11.07	0.63	2.34	2.80	3.21
	9+24	9	24	—	—	—	2.65	7.05	—	—	—	2.34	9.70	12.30	0.63	3.02	3.17	3.21
	12+12	12	12	—	—	—	3.50	3.50	—	—	—	2.34	7.00	9.23	0.63	2.17	2.65	3.23
	12+18	12	18	—	—	—	3.40	5.10	—	—	—	2.34	8.50	11.69	0.63	2.65	3.06	3.21
	12+24	12	24	—	—	—	3.33	6.67	—	—	—	2.34	10.00	12.30	0.63	3.12	3.35	3.21
18+18	18	18	—	—	—	5.25	5.25	—	—	—	2.34	10.50	12.30	0.63	3.27	3.35	3.21	
1:3	7+7+7	7	7	7	—	—	2.00	2.00	2.00	—	—	2.89	6.00	7.38	0.78	1.85	2.98	3.25
	7+7+9	7	7	9	—	—	1.98	1.98	2.54	—	—	2.89	6.50	8.61	0.78	2.00	3.17	3.25
	7+7+12	7	7	12	—	—	2.02	2.02	3.46	—	—	2.89	7.50	9.23	0.78	2.31	3.35	3.25
	7+7+18	7	7	18	—	—	1.97	1.97	5.06	—	—	2.89	9.00	11.07	0.78	2.78	3.54	3.24
	7+7+24	7	7	24	—	—	2.03	2.03	6.95	—	—	2.89	11.00	12.92	0.78	3.42	3.73	3.22
	7+9+9	7	9	9	—	—	1.96	2.52	2.52	—	—	2.89	7.00	9.23	0.78	2.15	3.28	3.25
	7+9+12	7	9	12	—	—	2.00	2.57	3.43	—	—	2.89	8.00	10.46	0.78	2.46	3.43	3.25
	7+9+18	7	9	18	—	—	1.96	2.51	5.03	—	—	2.89	9.50	11.07	0.78	2.93	3.65	3.24
	7+9+24	7	9	24	—	—	2.01	2.59	6.90	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	7+12+12	7	12	12	—	—	2.03	3.48	3.48	—	—	2.89	9.00	11.07	0.78	2.78	3.54	3.24
	7+12+18	7	12	18	—	—	1.99	3.41	5.11	—	—	2.89	10.50	12.30	0.78	3.26	3.73	3.22
	7+12+24	7	12	24	—	—	1.87	3.21	6.42	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	7+18+18	7	18	18	—	—	1.87	4.81	4.81	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	9+9+9	9	9	9	—	—	2.67	2.67	2.67	—	—	2.89	8.00	10.46	0.78	2.46	3.73	3.25
	9+9+12	9	9	12	—	—	2.70	2.70	3.60	—	—	2.89	9.00	12.92	0.78	2.78	3.54	3.24
	9+9+18	9	9	18	—	—	2.63	2.63	5.25	—	—	2.89	10.50	12.30	0.78	3.26	3.73	3.22
	9+9+24	9	9	24	—	—	2.46	2.46	6.57	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	9+12+12	9	12	12	—	—	2.45	3.27	3.27	—	—	2.89	9.00	11.07	0.78	2.78	3.54	3.24
	9+12+18	9	12	18	—	—	2.54	3.38	5.08	—	—	2.89	11.00	11.69	0.78	3.42	3.73	3.22
	9+12+24	9	12	24	—	—	2.30	3.07	6.13	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	9+18+18	9	18	18	—	—	2.40	4.80	4.80	—	—	2.89	12.00	12.92	0.78	3.74	3.88	3.21
	12+12+12	12	12	12	—	—	3.17	3.17	3.17	—	—	2.89	9.50	11.07	0.78	2.93	3.65	3.24
	12+12+18	12	12	18	—	—	3.29	3.29	4.93	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
	12+12+24	12	12	24	—	—	3.00	3.00	6.00	—	—	2.89	12.00	12.92	0.78	3.74	3.88	3.21
12+18+18	12	18	18	—	—	3.00	4.50	4.50	—	—	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
1:4	7+7+7+7	7	7	7	7	—	2.00	2.00	2.00	2.00	—	3.69	8.00	10.50	0.89	2.45	3.35	3.26
	7+7+7+9	7	7	7	9	—	1.98	1.98	1.98	2.55	—	3.69	8.50	11.07	0.89	2.61	3.54	3.26
	7+7+7+12	7	7	7	12	—	2.02	2.02	2.02	3.45	—	3.69	9.50	11.69	0.89	2.92	3.65	3.25
	7+7+7+18	7	7	7	18	—	2.06	2.06	2.06	5.31	—	3.69	11.50	12.30	0.89	3.57	4.10	3.22
	7+7+7+24	7	7	7	24	—	1.87	1.87	1.87	6.40	—	3.69	12.00	13.53	0.89	3.74	4.29	3.21
	7+7+9+9	7	7	9	9	—	2.08	2.08	2.67	2.67	—	3.69	9.50	11.69	0.89	2.92	3.65	3.25
	7+7+9+12	7	7	9	12	—	2.00	2.00	2.57	3.43	—	3.69	10.00	12.30	0.89	3.08	4.10	3.25
	7+7+9+18	7	7	9	18	—	1.96	1.96	2.52	5.05	—	3.69	11.50	12.30	0.89	3.57	4.10	3.22
	7+7+9+24	7	7	9	24	—	1.79	1.79	2.30	6.13	—	3.69	12.00	13.53	0.89	3.74	4.29	3.21
	7+7+12+12	7	7	12	12	—	1.93	1.93	3.32	3.32	—	3.69	10.50	12.92	0.89	3.25	4.10	3.23
	7+7+12+18	7	7	12	18	—	1.83	1.83	3.14	4.70	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22
	7+7+12+24	7	7	12	24	—	1.72	1.72	2.95	5.90	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21
	7+7+18+18	7	7	18	18	—	1.72	1.72	4.43	4.43	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21
	7+9+9+9	7	9	9	9	—	2.06	2.65	2.65	2.65	—	3.69	10.00	12.30	0.89	3.08	4.10	3.25
	7+9+9+12	7	9	9	12	—	1.99	2.55	2.55	3.41	—	3.69	10.50	12.92	0.89	3.25	4.10	3.23
	7+9+9+18	7	9	9	18	—	1.87	2.41	2.41	4.81	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22
	7+9+9+24	7	9	9	24	—	1.76	2.26	2.26	6.02	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21
	7+9+12+12	7	9	12	12	—	2.01	2.59	3.45	3.45	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22
	7+9+12+18	7	9	12	18	—	1.83	2.35	3.13	4.70	—	3.69	12.00	13.53	0.89	3.74	4.29	3.21
	7+9+12+24	7	9	12	24	—	1.66	2.13	2.84	5.68	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21
	7+9+18+18	7	9	18	18	—	1.66	2.13	4.26	4.26	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21
	7+12+12+12	7	12	12	12	—	1.87	3.21	3.21	3.21	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22
	7+12+12+18	7	12	12	18	—	1.71	2.94	2.94	4.41	—	3.69	12.00	13.53	0.89	3.74	4.29	3.21
	9+9+9+9	9	9	9	9	—	2.63	2.63	2.63	2.63	—	3.69	10.50	12.92	0.89	3.25	4.10	3.23
9+9+9+12	9	9	9	12	—	2.65	2.65	2.65	3.54	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22	
9+9+9+18	9	9	9	18	—	2.40	2.40	2.40	4.80	—	3.69	12.00	13.53	0.89	3.74	4.29	3.21	
9+9+9+24	9	9	9	24	—	2.17	2.17	2.17	5.79	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21	
9+9+12+12	9	9	12	12	—	2.46	2.46	3.29	3.29	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22	
9+9+12+18	9	9	12	18	—	2.25	2.25	3.00	4.50	—	3.69	12.00	13.53	0.89	3.74	4.29	3.21	
9+9+12+24	9	9	12	24	—	2.05	2.05	2.73	5.47	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21	
9+12+12+12	9	12	12	12	—	2.30	3.07	3.07	3.07	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22	
9+12+12+18	9	12	12	18	—	2.17	2.89	2.89	4.34	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21	
12+12+12+12	12	12	12	12	—	2.88	2.88	2.88	2.88	—	3.69	11.50	13.53	0.89	3.57	4.10	3.22	
12+12+12+18	12	12	12	18	—	2.73	2.73	2.73	4.10	—	3.69	12.30	13.53	0.89	3.83	4.29	3.21	
1:5	7+7+7+7+7	7	7	7	7	7	2.10	2.10	2.10	2.10	2.10	4.18	10.50	14.00	1.01	3.09	4.96	3.40
	7+7+7+7+9	7	7	7	7	9	2.08											

# INDOOR COMBINATION AND VARIABLE CAPACITY FOR 38QUS042D8S5-1 HEAT PUMP (SYSTEM 5)

## HEATING

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	—	—	—	—	2.50	—	—	—	—	1.66	2.50	2.90	0.45	0.69	0.87	3.61		
	9	9	—	—	—	—	3.00	—	—	—	—	1.66	3.00	3.20	0.45	0.83	1.04	3.61		
	12	12	—	—	—	—	3.80	—	—	—	—	1.66	3.80	3.90	0.45	1.05	1.26	3.61		
	18	18	—	—	—	—	5.60	—	—	—	—	1.85	5.60	7.00	0.58	1.55	1.78	3.61		
	24	24	—	—	—	—	7.60	—	—	—	—	2.09	7.60	8.50	0.70	2.10	2.20	3.62		
1:2	7+7	7	7	—	—	—	2.50	2.50	—	—	—	2.34	5.00	7.38	0.57	1.38	1.95	3.63		
	7+9	7	9	—	—	—	2.45	3.15	—	—	—	2.34	5.60	7.63	0.57	1.54	2.09	3.63		
	7+12	7	12	—	—	—	2.21	3.79	—	—	—	2.34	6.00	8.00	0.57	1.65	2.26	3.63		
	7+18	7	18	—	—	—	2.24	5.76	—	—	—	2.34	8.00	9.84	0.57	2.20	2.39	3.63		
	7+24	7	24	—	—	—	2.21	7.59	—	—	—	2.34	9.80	11.69	0.57	2.71	2.70	3.62		
	9+9	9	9	—	—	—	3.00	3.00	—	—	—	2.34	6.00	8.00	0.57	1.65	2.26	3.63		
	9+12	9	12	—	—	—	2.91	3.89	—	—	—	2.34	6.80	8.61	0.57	1.87	2.29	3.63		
	9+18	9	18	—	—	—	2.93	5.87	—	—	—	2.34	8.80	11.07	0.57	2.42	2.53	3.63		
	9+24	9	24	—	—	—	2.78	7.42	—	—	—	2.34	10.20	12.30	0.57	2.82	2.86	3.62		
	12+12	12	12	—	—	—	3.75	3.75	—	—	—	2.34	7.50	9.23	0.57	2.07	2.39	3.63		
	12+18	12	18	—	—	—	3.76	5.64	—	—	—	2.34	9.40	11.69	0.57	2.59	2.76	3.63		
	12+24	12	24	—	—	—	3.50	7.00	—	—	—	2.34	10.50	12.30	0.57	2.90	3.03	3.62		
18+18	18	18	—	—	—	5.50	5.50	—	—	—	2.34	11.00	12.30	0.57	3.04	3.03	3.62			
1:3	7+7+7	7	7	7	—	—	2.50	2.50	2.50	—	—	2.89	7.50	9.61	0.71	2.05	2.70	3.65		
	7+7+9	7	7	9	—	—	2.37	2.37	3.05	—	—	2.89	7.80	8.23	0.71	2.14	2.86	3.65		
	7+7+12	7	7	12	—	—	2.29	2.29	3.92	—	—	2.89	8.50	9.84	0.71	2.33	3.03	3.65		
	7+7+18	7	7	18	—	—	2.52	2.52	6.47	—	—	2.89	11.50	12.30	0.71	3.16	3.20	3.64		
	7+7+24	7	7	24	—	—	2.21	2.21	7.58	—	—	2.89	12.00	12.92	0.71	3.31	3.37	3.62		
	7+9+9	7	9	9	—	—	2.38	3.06	3.06	—	—	2.89	8.50	9.84	0.71	2.33	2.97	3.65		
	7+9+12	7	9	12	—	—	2.50	3.21	4.29	—	—	2.89	10.00	12.30	0.71	2.74	3.10	3.65		
	7+9+18	7	9	18	—	—	2.37	3.04	6.09	—	—	2.89	11.50	12.30	0.71	3.16	3.30	3.64		
	7+9+24	7	9	24	—	—	2.10	2.70	7.20	—	—	2.89	12.00	12.92	0.71	3.31	3.50	3.62		
	7+12+12	7	12	12	—	—	2.48	4.26	4.26	—	—	2.89	11.00	12.30	0.71	3.01	3.20	3.65		
	7+12+18	7	12	18	—	—	2.18	3.73	5.59	—	—	2.89	11.50	12.30	0.71	3.17	3.37	3.63		
	7+12+24	7	12	24	—	—	1.95	3.35	6.70	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61		
	7+18+18	7	18	18	—	—	1.95	5.02	5.02	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61		
	9+9+9	9	9	9	—	—	3.33	3.33	3.33	—	—	2.89	10.00	12.30	0.71	2.74	3.37	3.65		
	9+9+12	9	9	12	—	—	3.30	3.30	4.40	—	—	2.89	11.00	12.30	0.71	3.01	3.20	3.65		
	9+9+18	9	9	18	—	—	2.88	2.88	5.75	—	—	2.89	11.50	12.30	0.71	3.17	3.37	3.63		
	9+9+24	9	9	24	—	—	2.57	2.57	6.86	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61		
	9+12+12	9	12	12	—	—	3.14	4.18	4.18	—	—	2.89	11.50	12.30	0.71	3.16	3.20	3.64		
	9+12+18	9	12	18	—	—	2.77	3.69	5.54	—	—	2.89	12.00	12.92	0.71	3.31	3.37	3.62		
	9+12+24	9	12	24	—	—	2.40	3.20	6.40	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61		
	9+18+18	9	18	18	—	—	2.40	4.80	4.80	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61		
	12+12+12	12	12	12	—	—	3.83	3.83	3.83	—	—	2.89	11.50	12.30	0.71	3.16	3.30	3.64		
	12+12+18	12	12	18	—	—	3.43	3.43	5.14	—	—	2.89	12.00	12.92	0.71	3.31	3.50	3.62		
	12+12+24	12	12	24	—	—	3.00	3.00	6.00	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61		
12+18+18	12	18	18	—	—	3.00	4.50	4.50	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61			
1:4	7+7+7+7	7	7	7	7	—	2.50	2.50	2.50	2.50	—	3.69	10.00	12.67	0.81	2.74	3.03	3.65		
	7+7+7+9	7	7	7	9	—	2.57	2.57	2.57	3.30	—	3.69	11.00	12.92	0.81	3.01	3.20	3.65		
	7+7+7+12	7	7	7	12	—	2.50	2.50	2.50	4.29	—	3.69	11.80	13.53	0.81	3.23	3.30	3.65		
	7+7+7+18	7	7	7	18	—	2.15	2.15	2.15	5.54	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	7+7+7+24	7	7	7	24	—	1.91	1.91	1.91	6.56	—	3.69	12.30	13.53	0.81	3.40	3.88	3.62		
	7+7+9+9	7	7	9	9	—	2.63	2.63	3.38	3.38	—	3.69	12.00	13.53	0.81	3.29	3.30	3.65		
	7+7+9+12	7	7	9	12	—	2.40	2.40	3.09	4.11	—	3.69	12.00	13.53	0.81	3.29	3.71	3.65		
	7+7+9+18	7	7	9	18	—	2.05	2.05	2.63	5.27	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	7+7+9+24	7	7	9	24	—	1.83	1.83	2.36	6.28	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61		
	7+7+12+12	7	7	12	12	—	2.21	2.21	3.79	3.79	—	3.69	12.00	13.53	0.81	3.30	3.71	3.64		
	7+7+12+18	7	7	12	18	—	1.91	1.91	3.27	4.91	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	7+7+12+24	7	7	12	24	—	1.72	1.72	2.95	5.90	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61		
	7+7+18+18	7	7	18	18	—	1.68	1.68	4.32	4.32	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	7+9+9+9	7	9	9	9	—	2.47	3.18	3.18	3.18	—	3.69	12.00	13.53	0.81	3.29	3.71	3.65		
	7+9+9+12	7	9	9	12	—	2.27	2.92	2.92	3.89	—	3.69	12.00	13.53	0.81	3.30	3.71	3.64		
	7+9+9+18	7	9	9	18	—	1.95	2.51	2.51	5.02	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	7+9+9+24	7	9	9	24	—	1.76	2.26	2.26	6.02	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61		
	7+9+12+12	7	9	12	12	—	2.10	2.70	3.60	3.60	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	7+9+12+18	7	9	12	18	—	1.83	2.35	3.13	4.70	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	7+9+12+24	7	9	12	24	—	1.66	2.13	2.84	5.68	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61		
	7+9+18+18	7	9	18	18	—	1.62	2.08	4.15	4.15	—	3.69	12.00	13.53	0.81	3.31	3.88	3.62		
	7+12+12+12	7	12	12	12	—	1.95	3.35	3.35	3.35	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	7+12+12+18	7	12	12	18	—	1.71	2.94	2.94	4.41	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	9+9+9+9	9	9	9	9	—	3.00	3.00	3.00	3.00	—	3.69	12.00	13.53	0.81	3.30	3.71	3.64		
	9+9+9+12	9	9	9	12	—	2.77	2.77	2.77	3.69	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	9+9+9+18	9	9	9	18	—	2.40	2.40	2.40	4.80	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	9+9+9+24	9	9	9	24	—	2.17	2.17	2.17	5.79	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61		
	9+9+12+12	9	9	12	12	—	2.57	2.57	3.43	3.43	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	9+9+12+18	9	9	12	18	—	2.25	2.25	3.00	4.50	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	9+9+12+24	9	9	12	24	—	2.05	2.05	2.73	5.47	—	3.69	12.30	13.53	0.81	3.40	3.88	3.62		
	9+12+12+12	9	12	12	12	—	2.40	3.20	3.20	3.20	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	9+12+12+18	9	12	12	18	—	2.12	2.82	2.82	4.24	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	12+12+12+12	12	12	12	12	—	3.00	3.00	3.00	3.00	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63		
	12+12+12+18	12	12	12	18	—	2.67	2.67	2.67	4.00	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61		
	1:5	7+7+7+7+7	7	7	7	7	7	—	2.46	2.46	2.46	2.46	2.46	4.18	12.30	14.94	0.91	3.40	4.48	3.62
		7+7+7																		

# Light Commercial Units







Turn to the experts



# 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

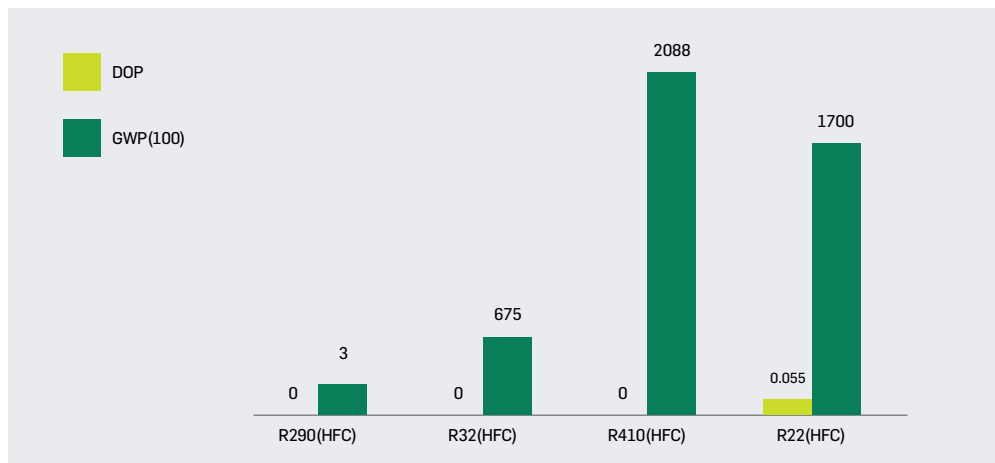
Carrier Light Commercial systems, with state-of-the-art technologies, flexible controls, variety of indoor units, wide range of capacities and improved installation, bring ultimate comfort and convenience to any light commercial installation.

## 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.

## ENVIROMENTAL 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 R410A.



## 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.

### 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.

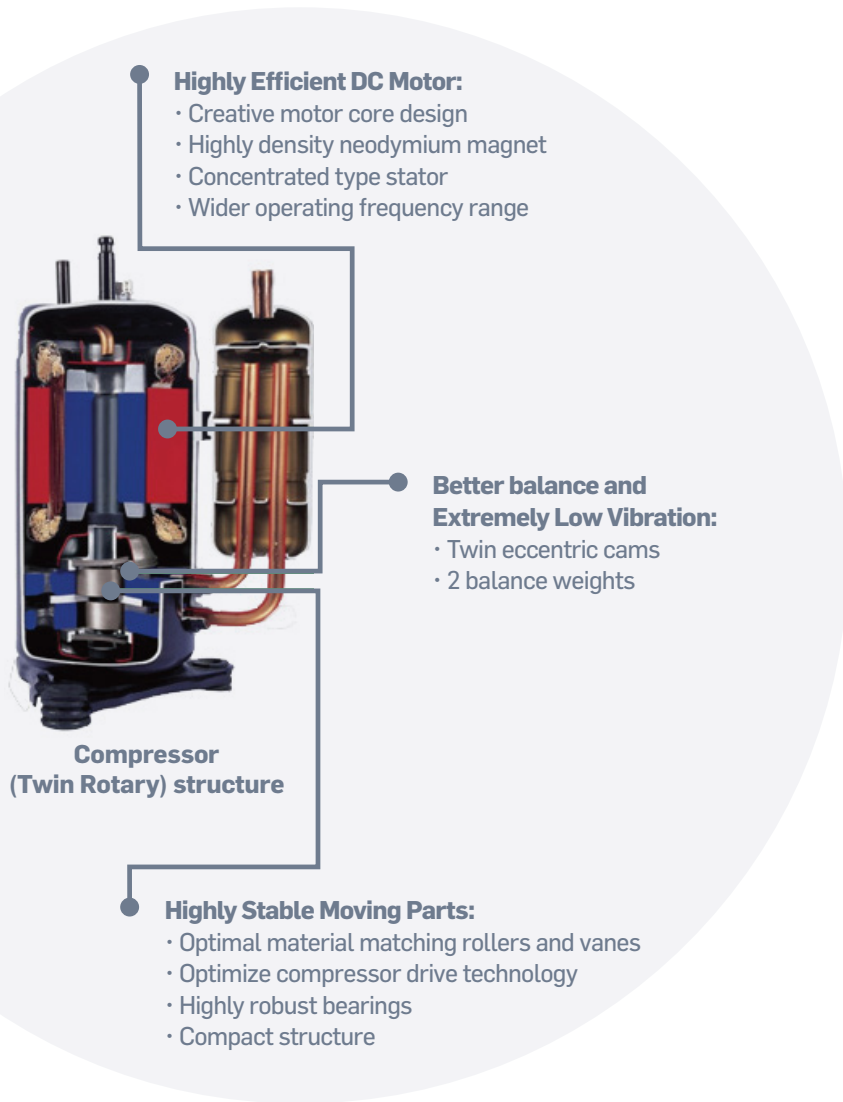
The compressor speed modulates automatically, much like a car on cruise control, so the system isn't constantly running at maximum capacity and only consumes energy when it's needed.

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



## 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.

## 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 pre-set temperature has been reached, ensuring optimum performance while saving energy.

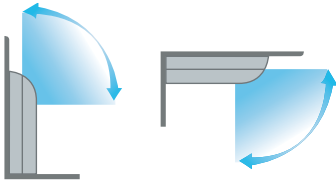
Several sensors placed in key positions on the refrigerant circuit electronically detect the operational state of the system. A micro controller unit receives the inputs from the sensors, elaborates them using advanced algorithms and optimizes the refrigerant flow and the operation of the compressor, the fan motors and the pulse modulation valve.

## FLEXIBLE AND EASY INSTALLATION FOR ALL APPLICATIONS

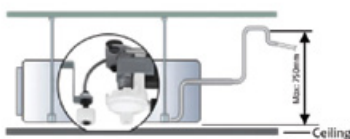
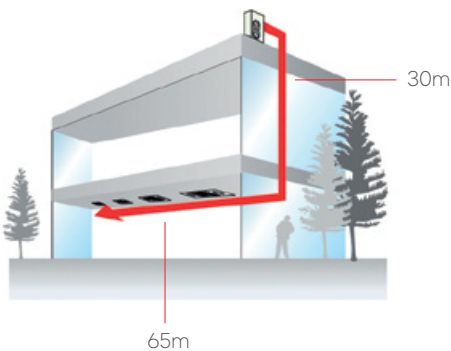
Carrier understands the importance of correct installation, easily performed.

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.



**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° Air Flow:** 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.

### 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.



Remote Control



Optional Wired Control



Wired Control





# INNOVATIVE CHARACTERISTICS

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

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

## AIR QUALITY



### FRESH AIR INTAKE PORTS

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



### SELF-CLEANING

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



### DRY MODE

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

## INSTALLATION FLEXIBILITY



### RESERVED AIR OUTLET FOR DUCT

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



### RESERVED DRY CONTACT PORTS

Reserved ports are available for long distance on-off remote control by connecting to a switch and providing an alarm signal for external alarm light or vibration gauge.  
(optional in some models)

## RELIABILITY



### ELECTRICAL VOLTAGE PROTECTION

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



### 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.



### AUTO-DEFROSTING

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



### AUTOMATIC RESTART

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



## COMFORT



### 8°C HEATING FUNCTION

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



### 360° AIR FLOW

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 air flow 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 air-flow adjustment function, the unit can adapt its fan speed to a lower or higher curve, to decrease or increase air-flow 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 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.



### 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!

# INVERTER FLOOR / UNDER-CEILING



Sleep Mode



Dry Mode



Auto Leak  
Detection

## XPOWER 42QZL

This unit is characterized by 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 Air Flow louvers



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 (optional)

# TECHNICAL CHARACTERISTICS

## SINGLE PHASE

### Indoor UNIT

### Outdoor UNIT

Cooling capacity

Heating capacity

Heating capacity at -7°C

Heating capacity at -10°C

Heating capacity at -15°C

SEER/SCOP (average) /  
SCOP (warmer)

Energy label

Yearly energy consumption

EER/COP

Standard current (cooling)

Standard input (cooling)

Standard current (heating)

Standard input (heating)

		<b>42QZL018D8S-2</b>	<b>42QZL024D8S</b>	<b>42QZL036D8S</b>
		<b>38QUS018D8S-1</b>	<b>38QUS024D8S</b>	<b>38QUS036D8S</b>
Cooling capacity	kW	5.30 (2.71~5.86)	7.20 (3.22~7.77)	10.50 (2.72~11.43)
Heating capacity	kW	5.60 (2.42~6.30)	7.40 (2.72~8.29)	12.30 (2.81~12.78)
Heating capacity at -7°C	kW	4.30	5.90	9.20
Heating capacity at -10°C	kW	3.70	5.00	7.45
Heating capacity at -15°C	kW	3.10	4.50	7.00
SEER/SCOP (average) / SCOP (warmer)	W/W	6.4 / 4.0 / 5.4	6.2 / 4.0 / 5.2	6.5 / 4.2 / 5.5
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	290 / 1400 / 1322	406 / 1925 / 1615	565 / 2867 / 2596
EER/COP	W/W	3.63 / 3.73	2.99 / 3.90	2.66 / 3.62
Standard current (cooling)	A	6.5	10.5	17.5
Standard input (cooling)	W	1460	2410	3950
Standard current (heating)	A	6.6	8.5	15.0
Standard input (heating)	W	1500	1900	3400

### INDOOR UNIT

Sound power level

Sound pressure level (high/  
med/low/silence)

Air flow (high/med/low)

Weight

Dimensions (WxDxH)

		<b>42QZL018D8S-2</b>	<b>42QZL024D8S</b>	<b>42QZL036D8S</b>
Sound power level	dB(A)	58	55	65
Sound pressure level (high/ med/low/silence)	dB(A)	43.5 / 41.0 / 37.0 / 24.0	49.0 / 46.0 / 43.0 / 32.0	51.0 / 47.5 / 44.5 / 39.0
Air flow (high/med/low)	m³/h	960/840/725	1190 / 1025 / 850	1955/1730/1505
Weight	kg	28.0	28.0	41.5
Dimensions (WxDxH)	mm	1068X675X235	1068X675X235	1650X675X235

### OUTDOOR UNIT

Temp range cooling

Temp range heating

Flare connections  
(gas-liquid)

Standard piping length

Min piping length

Max piping length

Max difference

Additional charge

Refrigerant amount

Sound power level

Sound pressure level

Sound pressure level  
(Fixed Frequency)

Air flow

Weight

Dimensions (WxDxH)

Voltage/Hz/Ph

		<b>38QUS018D8S-1</b>	<b>38QUS024D8S</b>	<b>38QUS036D8S</b>
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	kgr	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 (Fixed Frequency)	dB(A)	52	57	60
Air flow	m³/h	2100	3500	4000
Weight	kg	32.5	43.9	66.9
Dimensions (WxDxH)	mm	805 x 330 x 554	890 x 342 x 673	946 x 410 x 810
Voltage/Hz/Ph		220~240V / 50HZ / 1PH		

Notes:

\* Sound data @ cooling mode

\* -7°C / -10°C / -15°C heating @ free frequency



# TECHNICAL CHARACTERISTICS

## THREE PHASE

### INDOOR UNIT

#### OUTDOOR UNIT

Cooling capacity

Heating capacity

Heating capacity at -7°C

Heating capacity at -10°C

Heating capacity at -15°C

SEER/SCOP (average)/SCOP (warmer)

Energy label

Yearly energy consumption

EER/COP

Standard current (cooling)

Standard input (cooling)

Standard current (heating)

Standard input (heating)

		<b>42QZL048D8S</b>	<b>42QZL060D8S</b>
		<b>38QUS048D8T</b>	<b>38QUS060D8T</b>
Cooling capacity	kW	14.00 (3.52~15.24)	15.50 (4.10~16.70)
Heating capacity	kW	15.60 (4.10~17.00)	18.30 (4.40~19.64)
Heating capacity at -7°C	kW	11.75	12.75
Heating capacity at -10°C	kW	10.90	11.50
Heating capacity at -15°C	kW	10.50	11.00
SEER/SCOP (average)/SCOP (warmer)	W/W	6.1 / 4.0 / 5.3	6.1 / 4.0 / 5.2
Energy label		A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	803 / 3920 / 3117	889 / 4200 / 3392
EER/COP	W/W	2.69 / 3.06	2.72 / 3.05
Standard current (cooling)	A	9.0	10.0
Standard input (cooling)	W	5200	5700
Standard current (heating)	A	9.0	10.5
Standard input (heating)	W	5100	6000

### INDOOR UNIT

Sound power level

Sound pressure level (high/med/low/silence)

Air flow (high/med/low)

Weight

Dimensions (WxDxH)

		<b>42QZL048D8S</b>	<b>42QZL060D8S</b>
Sound power level	dB(A)	68	69
Sound pressure level (high/med/low/silence)	dB(A)	53.0 / 50.0 / 45.0 / 36.0	54.0 / 50.5 / 46.5 / 38.0
Air flow (high/med/low)	m³/h	2100/1850/1600	2200/1950/1650
Weight	kg	41.7	42.3
Dimensions (WxDxH)	mm	1650 × 675 × 235	1650 × 675 × 235

### OUTDOOR UNIT

Temp range cooling

Temp range heating

Flare connections (gas-liquid)

Standard piping length

Min piping length

Max piping length

Max difference

Additional charge

Refrigerant amount

Sound power level

Sound pressure level

Sound pressure level (Fixed Frequency)

Air flow

Weight

Dimensions (WxDxH)

Voltage/Hz/Ph

		<b>38QUS048D8T</b>	<b>38QUS060D8T</b>
Temp range cooling	°C	-15~50	
Temp range heating	°C	-15~24	
Flare connections (gas-liquid)		3/8" - 5/8"	3/8" - 5/8"
Standard piping length	m	5	5
Min piping length	m	3	3
Max piping length	m	65	65
Max difference	m	30	30
Additional charge	g/m	24	24
Refrigerant amount	kg	2.90	3.00
Sound power level	dB(A)	75	75
Sound pressure level	dB(A)	63.5	64
Sound pressure level (Fixed Frequency)	dB(A)	61	61,5
Air flow	m³/h	7500	7500
Weight	kg	103.7	107.0
Dimensions (WxDxH)	mm	952×415×1333	952×415×1333
Voltage/Hz/Ph		380~415V / 50HZ / 3PH	

Notes:

\* Sound data @ cooling mode

\* -7°C / -10°C / -15°C heating @ free frequency





# INVERTER CASSETTE



Sleep Mode



Dry Mode



Turbo Mode

## XPOWER 42QTD

By packing maximum cooling capacity into smallest possible dimension, Carrier Cassette is designed to cool /heat all spaces, big or small. With the 360° Air Flow 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 improved new 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° Air Flow



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



Remote Control (wireless)

# TECHNICAL CHARACTERISTICS

## SINGLE PHASE

INDOOR UNIT OUTDOOR UNIT		42QTD012D8S-1	42QTD018D8S-2	42QSS024D8S	42QTD030D8S	42QTD036D8S	42QTD042D8S
		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Cooling capacity	kW	3.50 (0.85~4.11)	5.30 (2.90~5.59)	7.04 (3.30~7.91)	8.80 (2.23~9.38)	10.50 (3.90~10.60)	12.00 (2.93~12.31)
Heating capacity	kW	4.20 (0.47~4.31)	5.55 (2.37~6.10)	7.50 (2.81~8.94)	10.00 (2.70~9.73)	11.00 (2.90~13.50)	13.20 (3.37~14.07)
Heating cap. at -7°C	kW	3.00	4.10	6.00	6.40	9.20	9.30
Heating cap. at -10°C	kW	2.75	3.75	5.80	6.00	8.20	8.90
Heating cap. at -15°C	kW	2.50	3.50	5.20	5.40	7.40	7.90
SEER/SCOP (average) SCOP (warmer)	W/W	6.8 / 4.1 / 5.3	6.3 / 4.0 / 4.9	6.3 / 4.0 / 5.5	6.8 / 4.2 / 5.8	6.8 / 4.0 / 5.2	6.2 / 4.0 / 5.5
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 / 1470 / 1543	391 / 2100 / 1604	453 / 2500 / 1834	540 / 2870 / 2719	677 / 3325 / 2495
EER/COP	W/W	3.25 / 3.75	3.21 / 3.65	2.82 / 4.05	3.14 / 4.00	2.63 / 3.55	2.82 / 3.59
Standard current (cooling)	A	5.0	7.5	11.0	12.5	17.5	19.0
Standard input (cooling)	W	1075	1650	2500	2800	4000	4260
Standard current (heating)	A	5.2	7.0	8.5	11.0	13.5	16.5
Standard input (heating)	W	1120	1520	1850	2500	3100	3680

INDOOR UNIT		42QTD012D8S-1	42QTD018D8S-2	42QSS024D8S	42QTD030D8S	42QTD036D8S	42QTD042D8S
Sound power level	dB(A)	57	58	59	64	65	66
Sound pressure level (high/med/low/silence)	dB(A)	41.0/36.0/33.0/25.5	43.0/39.5/35.5/29.0	45.5/42.5/39.5/27.0	49.5/47.0/44.0/38.5	50.0/47.5/44.5/39.0	51.0/48.5/46.0/38.0
Air flow (high/med/low)	m³/h	620/510/420	720/620/500	1300/1140/1000	1720/1550/1400	1700/1550/1380	1900/1750/1600
Weight (Body)	kg	16.3	16.0	21.6	24.6	27.2	29.3
Weight (Panel)	kg	2.5	2.5	6.0	6.0	6.0	6.0
Dimensions (WxDxH) (Body)	mm	570x570x260	570x570x260	830x830x205	830x830x245	830x830x245	830x830x287
Dimensions (WxDxH) (Panel)	mm	647x647x50	647x647x50	950x950x55	950x950x55	950x950x55	950x950x55

OUTDOOR UNIT		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Temp range cooling	°C	-15~50					
Temp range heating	°C	-15~24					
Flare connections (gas-liquid)		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	2.0	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 (Fixed Frequency)	dB(A)	50	52	57	58.5	60	60.5
Air flow	m³/h	2200	2100	3500	3800	4000	4000
Weight	kg	26.6	32.5	43.9	52.8	66.9	71.0
Dimensions (WxDxH)	mm	765X303X555	805X330X554	890x342x673	946x410x810	946x410x810	946x410x810
Voltage/Hz/Ph		220~240V / 50Hz / 1Ph					

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



# TECHNICAL CHARACTERISTICS

## THREE PHASE

### INDOOR UNIT

#### OUTDOOR UNIT

Cooling capacity

Heating capacity

Heating capacity at -7°C

Heating capacity at -10°C

Heating capacity at -15°C

SEER/SCOP (average)/SCOP (warmer)

Energy label

Yearly energy consumption

EER/COP

Standard current (cooling)

Standard input (cooling)

Standard current (heating)

Standard input (heating)

		<b>42QTD036D8S</b> <b>38QUS036D8T</b>	<b>42QTD048D8S</b> <b>38QUS048D8T</b>	<b>42QTD060D8S</b> <b>38QUS060D8T</b>
kW		10.50 (4.00~10.70)	14.00 (3.52~15.83)	15.00 (5.20~16.70)
kW		11.00 (2.90~14.10)	16.00 (4.10~17.29)	18.00 (4.30~19.30)
kW		8.9	12.5	13.5
kW		7.6	10.5	11.5
kW		7.00	10.3	11
W/W		6.4 / 4.0 / 5.1	6.1 / 4.0 / 5.1	6.3 / 4.0 / 5.2
		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++
kWh		574 / 2800 / 2772	803 / 3780 / 3294	833 / 4130 / 3365
W/W		2.59 / 3.61	3.01 / 3.49	2.97 / 3.21
A		6.5	8.5	9
W		4050	4650	5050
A		5.5	8.0	10.0
W		3050	4580	5600

### INDOOR UNIT

Sound power level

Sound pressure level (high/med/low/silence)

Air flow (high/med/low)

Weight (Body)

Weight (Panel)

Dimensions (WxDxH) (Body)

Dimensions (WxDxH) (Panel)

		<b>42QTD036D8S</b>	<b>42QTD048D8S</b>	<b>42QTD060D8S</b>
dB(A)		65	66	67
dB(A)		50.0/47.5/44.5/39.0	51.0/48.5/46.5/37.5	53.0/50.5/48.0/40.0
m <sup>3</sup> /h		1700/1550/1380	1970/1780/1580	2000/1850/1650
kg		27.2	29.3	29.3
kg		6.0	6.0	6.0
mm		830x830x245	830x830x287	830x830x287
mm		950x950x55	950x950x55	950x950x55

### OUTDOOR UNIT

Temp range cooling

Temp range heating

Flare connections (gas-liquid)

Standard piping length

Min piping length

Max piping length

Max difference

Additional charge

Refrigerant amount

Sound power level

Sound pressure level

Sound pressure level (Fixed Frequency)

Air flow

Weight

Dimensions (WxDxH)

Voltage/Hz/Ph

		<b>38QUS036D8T</b>	<b>38QUS048D8T</b>	<b>38QUS060D8T</b>
°C		-15~50		
°C		-15~24		
		3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
m		5	5	5
m		3	3	3
m		65	65	65
m		30	30	30
g/m		24	24	24
kg		2.40	2.90	3.00
dB(A)		71	75	75
dB(A)		63	63.5	64
dB(A)		60	61	61.5
m <sup>3</sup> /h		4000	7500	7500
kg		80.5	103.7	107.0
mm		946x410x810	952x415x1333	952x415x1333
		380~415V / 50Hz / 3Ph		

Notes:

\* Sound data @ cooling mode

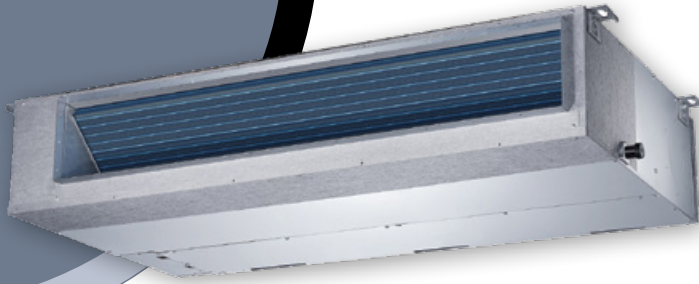
\* -7°C / -10°C / -15°C heating @ free frequency







# INVERTER DUCTED



Sleep Mode



Dry Mode



Auto Leak Detection

## XPOWER 42QSS

Carrier duct unit has slim design with reduced height, suitable for low-ceiling installations. It comes ready with the option of fresh air intake function when connected to additional ventilation duct.

Whether return air is required from the rear or bottom, both can be easily achieved on-site by changing over the cover, as both air inlets have the same frame size.

Moreover, the unit is designed with wide external static pressure ranges from 0 Pa to 160 Pa, suitable for short or long duct, with or without dampers. Equipped with constant air volume control technology, Carrier Concealed Duct automatically adjusts the static pressure to deliver constant air volume for optimal occupants' comfort. Moreover, reserved ports are available for long distance on-off remote control by connecting to a switch, and providing an alarm signal for external alarm light or vibration gauge.



### FEATURES



Built-in Drain Pump (optional)



Auto Leak Detection



Auto Defrost



Auto Restart



Timer



Turbo Mode



Sleep Mode



Dry Mode



"My" Mode



Cold Draft Prevention



Electrical Voltage Protection (168 to 264V)



Bright LCD Screen Remote Control



Twin function



Wired Control

# TECHNICAL CHARACTERISTICS

## SINGLE PHASE

### INDOOR UNIT

### OUTDOOR UNIT

		<b>42QSS012D8S-1</b>	<b>42QSS018D8S-1</b>	<b>42QSS024D8S</b>	<b>42QSS030D8S</b>	<b>42QSS036D8S</b>	<b>42QSS042D8S</b>
		<b>38QUS012D8S-1</b>	<b>38QUS018D8S-1</b>	<b>38QUS024D8S</b>	<b>38QUS030D8S</b>	<b>38QUS036D8S</b>	<b>38QUS042D8S</b>
Cooling capacity	kW	3.50 (0.53~3.99)	5.40 (2.55~5.86)	7.10 (3.28~8.16)	8.75 (2.23~9.85)	10.50 (2.75~11.14)	12.00 (2.93~12.31)
Heating capacity	kW	4.40 (1.00~4.39)	5.80 (2.20~6.15)	7.45 (2.81~8.49)	9.30 (2.70~10.02)	12.10 (2.78~12.78)	13.50 (3.37~14.07)
Heating cap. at -7°C	kW	3.0	4.45	6.1	6.5	9.1	9.6
Heating cap. at -10°C	kW	2.7	3.75	5.5	6.0	8.1	8.8
Heating cap. at -15°C	kW	2.5	3.30	4.8	5.3	7.8	8.1
SEER/SCOP (average) SCOP (warmer)	W/W	6.3 / 4.0 / 5.1	6.6 / 4.0 / 5.1	6.2 / 4.0 / 5.2	6.8 / 4.0 / 5.7	6.3 / 4.0 / 5.3	6.2 / 4.0 / 5.6
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	194 / 945 / 933	286 / 1505 / 1455	401 / 1890 / 1561	450 / 2800 / 2014	583 / 2940 / 2589	677 / 3255 / 2550
EER/COP	W/W	3.27 / 3.78	3.48 / 3.82	3.15 / 4.14	3.43 / 4.04	2.63 / 3.69	2.86 / 3.91
Standard current (cooling)	A	4.8	6.8	10.0	11.5	17.5	18.5
Standard input (cooling)	W	1070	1550	2250	2550	4000	4200
Standard current (heating)	A	5.3	6.7	8.0	10.0	14.5	15.0
Standard input (heating)	W	1165	1520	1800	2300	3280	3450

### INDOOR UNIT

		<b>42QSS012D8S-1</b>	<b>42QSS018D8S-1</b>	<b>42QSS024D8S</b>	<b>42QSS030D8S</b>	<b>42QSS036D8S</b>	<b>42QSS042D8S</b>
Sound power level	dB(A)	58	58	62	64	62.0	67.0
Sound pressure level (high/med/low/silence)	dB(A)	34.5/30.5/29.0/23.0	41.0/38.0/34.0/26.0	42.0/40.0/37.0/27.0	50.0/46.5/45.0/40.5	49.5/48.0/46.0/42.0	51.5/49.0/48.0/43.0
Air flow (high/med/low)	m³/h	600/480/300	910/710/515	1230/1035/825	2100/1800/1500	2100/1800/1500	2400 / 2040 / 1680
Weight	kg	17.8	24.4	32.3	40.5	40.5	47.6
Dimensions (WxDxH)	mm	700x506x200	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300

### OUTDOOR UNIT

		<b>38QUS012D8S-1</b>	<b>38QUS018D8S-1</b>	<b>38QUS024D8S</b>	<b>38QUS030D8S</b>	<b>38QUS036D8S</b>	<b>38QUS042D8S</b>
Temp range cooling	°C	-15~50					
Temp range heating	°C	-15~24					
Flare connections (gas-liquid)		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	2.0	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 (Fixed Frequency)	dB(A)	50	52	57	58.5	60	60.5
Air flow	m³/h	2200	2100	3500	3800	4000	4000
Weight	kg	26.6	32.5	43.9	52.8	66.9	71.0
Dimensions (WxDxH)	mm	765X303X555	805X330X554	890x342x673	946x410x810	946x410x810	946x410x810
Voltage/Hz/Ph		220~240V / 50Hz / 1Ph					

Notes:

\* Sound data @ cooling mode

\*-7°C/-10°C/-15°C heating @ free frequency



# TECHNICAL CHARACTERISTICS

## THREE PHASE

INDOOR UNIT		42QSS036D8S	42QSS048D8S	42QSS060D8S
OUTDOOR UNIT		38QUS036D8T	38QUS048D8T	38QUS060D8T
Cooling capacity	kW	10.60 (2.73~11.78)	14.10 (3.52~15.53)	15.40 (4.10~17.30)
Heating capacity	kW	12.10 (2.78~12.84)	15.50 (4.10~18.17)	18.30 (4.40~20.50)
Heating capacity at -7°C	kW	9.1	12.8	13.2
Heating capacity at -10°C	kW	7.6	11.45	12.0
Heating capacity at -15°C	kW	7.0	10.8	11.7
SEER/SCOP (average)/ SCOP (warmer)	W/W	6.1 / 4.0 / 5.1	6.1 / 4.0 / 5.0	6.1 / 4.0 / 5.2
Energy label		A++ / A+ / A+++	A++ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	608 / 3080 / 2745	809 / 4095 / 3220	884 / 4445 / 3446
EER/COP	W/W	2.62 / 3.67	2.79 / 3.44	2.93 / 3.52
Standard current (cooling)	A	6.5	8.5	9.6
Standard input (cooling)	W	4050	5050	5250
Standard current (heating)	A	5.8	8.0	9.5
Standard input (heating)	W	3300	4500	5200

INDOOR UNIT		42QSS036D8S	42QSS048D8S	42QSS060D8S
Sound power level	dB(A)	62.0	67.0	67.0
Sound pressure level (high/med/low/silence)	dB(A)	49.5/48.0/46.0/42.0	50.0/49.0/47.0/42.0	52.5/49.0/47.0/40.0
Air flow (high/med/low)	m³/h	2100/1800/1500	2400 / 2040 / 1680	2600 / 2210 / 1820
Weight	kg	40.5	47.6	47.4
Dimensions (WxDxH)	mm	1360x774x249	1200x874x300	1200x874x300

OUTDOOR UNIT		38QUS036D8T	38QUS048D8T	38QUS060D8T
Temp range cooling	°C	-15~50		
Temp range heating	°C	-15~24		
Flare connections (gas-liquid)		3/8" - 5/8"	3/8" - 5/8"	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	kgr	2.40	2.90	3.00
Sound power level	dB(A)	71	75	75
Sound pressure level	dB(A)	63	63,5	64
Sound pressure level (Fixed Frequency)	dB(A)	60	61	61.5
Air flow	m³/h	4000	7500	7500
Weight	kg	80.5	103.7	107.0
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333
Voltage/Hz/Ph		380~415V / 50Hz / 3Ph		

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





# INVERTER STANDING



## XPOWER 42QFD

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.



Turbo Mode



Auto Leak  
Detection



Dry Mode



### FEATURES



3D Air Flow louvers



Auto Mode



Smart LCD display



Auto Leak Detection



Auto Defrost



Auto Swing



Auto Restart



Lock function



Timer



Turbo Mode



Sleep Mode



Dry Mode



"My" Mode



Cold Draft Prevention



Electrical Voltage Protection  
(168 to 264V)

## TECHNICAL CHARACTERISTICS

### INDOOR UNIT

### OUTDOOR UNIT

Cooling capacity

Heating capacity

Heating capacity at -7 °C

Heating capacity at -10 °C

Heating capacity at -15 °C

SEER/SCOP (average)/SCOP (warmer)

Energy label

Yearly energy consumption

EER/COP

Standard current (cooling)

Standard input (cooling)

Standard current (heating)

Standard input (heating)

### 42QFD048D8S

### 38QUS048D8T

kW	14.60 (3.5 - 15.68)
kW	16.10 (4.40-18.50)
kW	14.8
kW	11.35
kW	10.00
W/W	6.2/4.0/5.1
	A++ / A+ / A+++
kWh	825 / 3850 / 3019
W/W	2.95 / 3.74
A	8
W	4950
A	7.0
W	4300

### INDOOR UNIT

Sound power level

Sound pressure level (high/med/low)

Air flow (high/med/low)

Weight

Dimensions (W×D×H)

### 42QFD048D8S

dB(A)	66
dB(A)	53 / 49 / 47
m <sup>3</sup> /h	2413/2222/2027
kg	59
mm	629 x 456 x 1.935

### OUTDOOR UNIT

Temp range cooling

Temp range heating

Flare connections (gas-liquid)

Standard piping length

Min piping length

Max piping length

Max difference

Additional charge

Refrigerant amount (R32)

Sound power level

Sound pressure level

Air flow

Weight

Dimensions (W×D×H)

Voltage/Hz/Ph

### 38QUS048D8T

°C	-15~50
°C	-15~24
	3/8" - 5/8"
m	5
m	3
m	65
m	30
g/m	24
kg	2,9
dB(A)	75
dB(A)	61
m <sup>3</sup> /h	7500
kg	103,7
mm	952 x 415 x 1333
	380~415V / 50Hz / 3Ph

#### 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.

WxDxH = Width x Depth x Height





## AHI CARRIER EUROPE

Represents the European activities of AHI CARRIER FZC in South Eastern & Central Europe and has the distribution & after-sales services rights of Carrier, Toshiba and Totaline HVAC brands of Carrier Corporation.

**AHI CARRIER FZC** is one of the largest Carrier Joint Venture distributing companies sharing common vision and values with Carrier Corporation.

It was formed in December 2008 between Carrier Corporation and Air-conditioning & Heating International (AHI) and become the authorised distributor of Carrier Corporation HVAC product ranges in Central & South Eastern Europe, Russia, CIS, New Zealand, Central East & South Africa and parts of Middle East.

**AHI CARRIER EUROPE** consists a region of 15 countries with Headquarters in Athens and affiliated offices in Sofia, Bucharest, Vienna and Prague.

**GREECE** AHI Carrier S.E. Europe Single Member S.A.

**AUSTRIA** AHI Carrier GmbH

**BULGARIA** AHI Carrier HVAC Bulgaria EOOD

**CZECH REPUBLIC** AHI Carrier CZ S.R.O.

**ROMANIA** AHI Carrier România SRL



## DISTRIBUTION COUNTRIES

Greece • Austria • Bulgaria • Czech Republic • Romania •  
Albania • Bosnia & Herzegovina • Croatia • Cyprus •  
Hungary • N. Macedonia • Montenegro •  
Serbia • Slovakia • Slovenia









## **AHI CARRIER EUROPE**

### **GREECE**

#### **AHI Carrier S.E. Europe Single Member S.A.**

##### **Headquarters**

18, Kifissou Ave.  
104 42 - Athens  
Tel.: +30 210 6796300

##### **Thessaloniki Branch**

5, Ag. Georgiyo str., Cosmos Offices  
570 01 - Patriarhiko Pileas Thessaloniki  
Tel.: +30 231 3080430  
grinfo@ahi-carrier.eu  
www.ahi-carrier.gr  
www.toshiba-aircon.gr

### **BULGARIA**

#### **AHI Carrier HVAC BULGARIA EOOD**

Trade Center Europe Building 6,  
floor 3, office 6  
7 Iskarsko Shose Blvd., Sofia 1528  
Tel.: +35 929483960  
bginfo@ahi-carrier.com  
www.ahi-carrier.bg  
www.toshiba-aircon.bg

### **ROMANIA**

#### **AHI Carrier ROMANIA SRL**

Intrarea Nestorei 1, Corp B, Et. 5, Sector 4  
Cladirea River Plaza, RO-040295 Bucuresti  
Tel.: +40 214 050751  
roinfo@ahi-carrier.eu  
www.ahi-carrier.ro  
www.toshiba-aircon.ro

### **AUSTRIA**

#### **AHI Carrier GmbH**

Andromeda Tower, Donau-City Str. 6/9  
1220 Wien, Österreich  
Tel.: +43 1 269 969 710  
info@ahi-carrier.at  
www.ahi-carrier.at

### **CZECH REPUBLIC**

#### **AHI Carrier CZ s.r.o.**

Styblova 253/13,  
14900 Praha 5, Chodov  
Tel.: +420 212 812 030  
info@ahi-carrier.cz  
www.ahi-carrier.cz