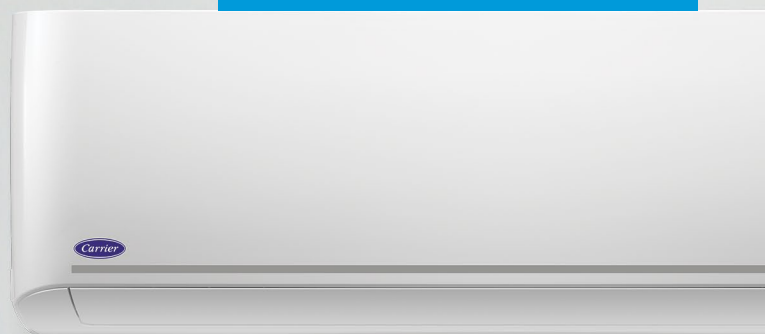


# RESIDENTIAL PRODUCTS

CATALOGUE 2020 - 2021



Turn to the experts for  
**HOME COMFORT  
SOLUTIONS**

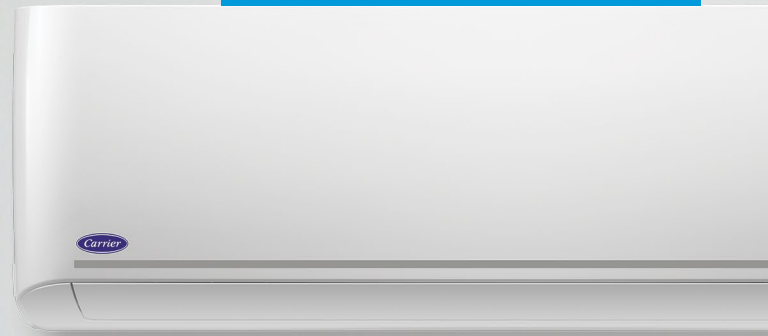


Turn to the experts



# RESIDENTIAL PRODUCTS

CATALOGUE 2020 - 2021



We create your needed  
**COMFORT  
ZONE**



Turn to the experts



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# Carrier is a world leader

A woman is riding a bicycle in a field of tall grass at sunset. The sun is low on the horizon, creating a warm, golden glow. Several birds are flying in the sky above the woman. The overall scene is peaceful and serene.

in heating, air-conditioning and refrigeration solutions.

Built on Willis Carrier's invention of modern air-conditioning in 1902, Carrier is a world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

Our innovations drive new industries and it is why our products and services are trusted in every corner of the world – and why you can feel good about trusting us in your corner of it.

# THE INVENTION THAT CHANGED THE WORLD!

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air-conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.

Today, Carrier's innovations are found across the globe and in virtually every facet of daily life.

We create comfortable and productive environments, regardless of the climate. We safeguard the global food supply by preserving the quality and freshness of food and beverages.

We ensure health and well-being by enabling the proper transport and delivery of vital medical supplies under exacting conditions. We provide solutions, services and education to lead the green building movement.

These mark just a handful of the ways Carrier works to make the world a better place to live, work and play.



*Willis H. Carrier*

A photograph of a woman with short brown hair, smiling warmly while holding a baby. She is wearing a grey tank top and red and black plaid shorts. The background shows a bed with white pillows and a wooden headboard, suggesting a comfortable home environment.

Turn to the experts for

# Home Comfort Solutions

Carrier heating and air-conditioning systems are trusted to bring energy-efficient, quiet, and consistent comfort to millions of people at home.





## **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 furnaces to central air conditioners to air quality products.

## **QUIET CONSISTENCY AT HOME**

Carrier home comfort solutions can provide consistent temperature, humidity and air quality from room to room, hour to hour and minute to minute. Our quiet systems will not disrupt your routine. That means no loud noises when the furnace or 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.

## **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 humidifiers, ventilators, ultraviolet lamps, air filters and monitors. 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.

Carrier delivers

# High efficiency and performance, certified by EUROVENT!

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

## WHAT IS EUROVENT CERTIFICATION

Eurovent Certification certifies the performance ratings of air-conditioning and refrigeration products according to European and international standards. The objective is to build up customer confidence by levelling the competitive playing field for all manufacturers and by increasing the integrity and accuracy of the industrial performance ratings.

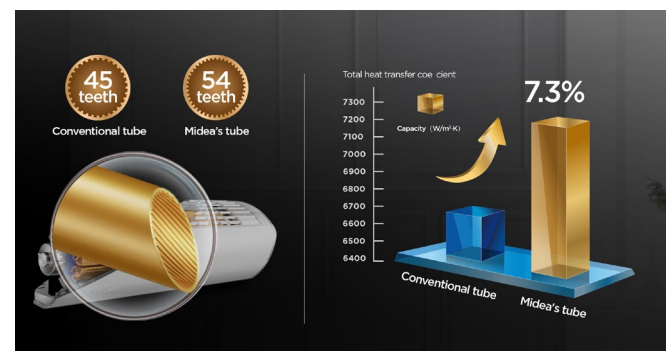
When a product has been certified by Eurovent, the end users can be confident that their equipment will operate in accordance with the design specifications, the energy cost will be correctly stated and therefore the supplied product will correspond to the initial investment.



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

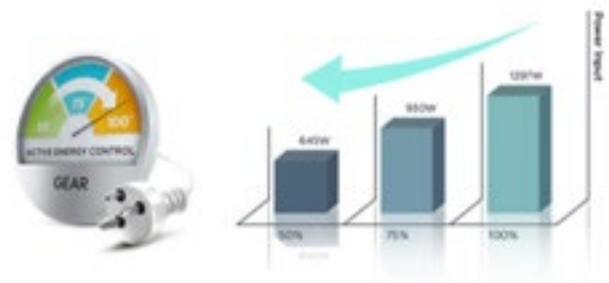
## HIGH EFFICIENCY TUBE

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.



## 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 -15 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 money savings!



## ENVIRONMENTAL FRIENDLY PRODUCTS

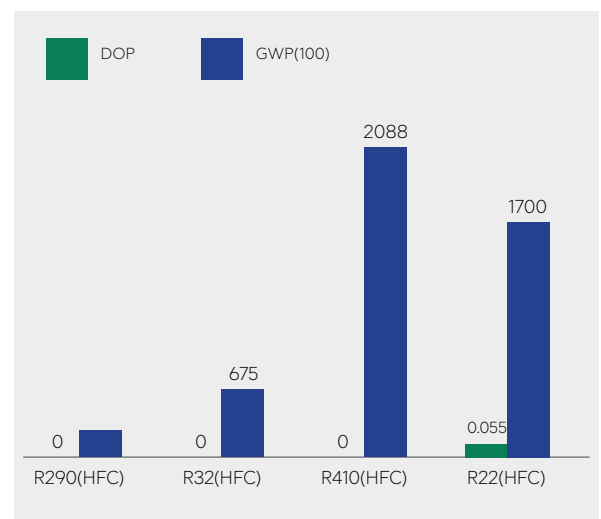
A **Refrigerant** is a fluid/gas/liquid that is employed in the Air Conditioning systems and Refrigerators. Without refrigerant, Air Conditioners, Refrigerators or any other freezing technology will not be possible. Looking for more environmental friendly refrigerants with low Global Warming Potential and zero impact on the ozone layer, the industry moved for the residential units to R-32 & R-290 refrigerants.

### R290

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.

### R32

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.



# 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

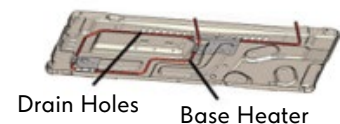
Like a runner sprinting to the line, this tech enables the compressor to achieve maximum frequency in split of the moment (65Hz within 6s) upon start up, providing you powerful cooling/heating once the air-conditioner is on.



## 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 fan blade, condenser, and system performance.



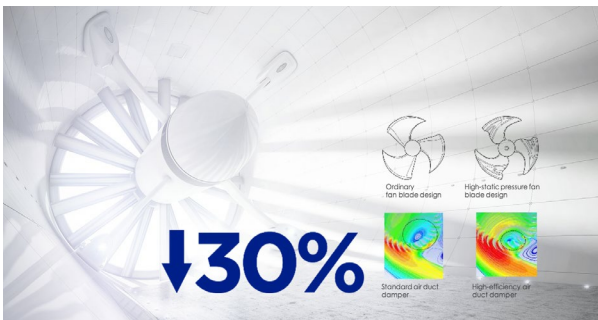
## GOLDEN FIN

The 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 heat efficiency. The Golden Fin have 5-layer precision structure features anti-corrosion, self-lubrication, and self-cleaning function for higher heat transfer efficiency.



## OPTIMIZATION FAN BLADES

### HIGH-EFFICIENCY FAN BLADES AND AIR DUCTS



The optimized air fan and ducts deliver the same airflow in with 30 percent less power thanks to the new design. It makes the XtremeSave an unbeatable choice for energy saving.

## 3D AIRFLOW

The directional air outlet moves automatically to direct air flow to every corner of the room and keep it thoroughly cool.



## ADVANCED AIR QUALITY

### INTELLIGENT DUSTING SWITCH



Apart from the bionic fan blades, the Welling DC motor itself can constantly rotate 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

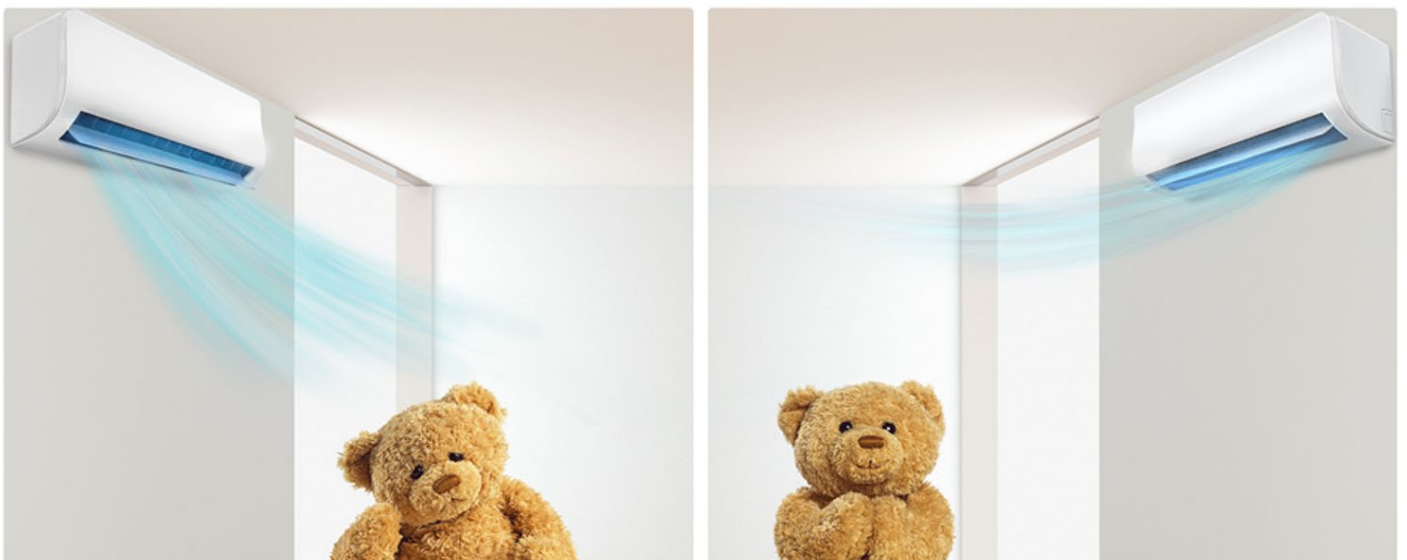
Active Clean Technology washes away dust, mold, and grease that may cause odors when it adheres to the heat exchanger by automatically freezing and then rapidly thawing the frost. Active clean operation is used to produce more condensed water to improve the cleaning effect. Preventing the growth of mold 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.



## WIND AVOID ME

Avoid wind blowing directly on you, by using the remote to instantly adjust the wind direction.



## AIR PURIFICATION

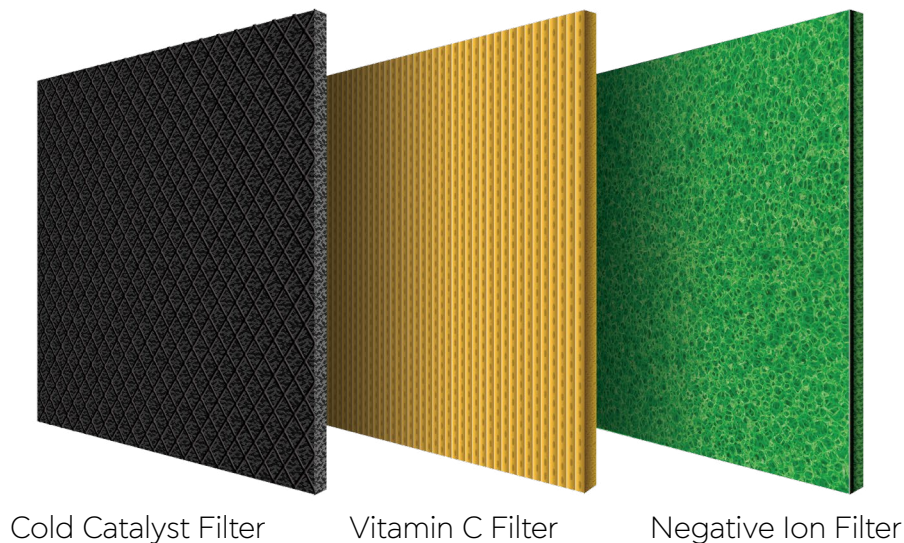
Smoke, dust, smog and other pollutants affect our indoor air quality and as a consequence affects our health, comfort and well-being. Indoor air quality (IAQ) is very important as experts estimate that indoor air pollution is two to five times worse than outdoor pollution. Carrier incorporates the most advanced filtration system to absorb and control common indoor pollutants.

### PRE-FILTER

The pre-filter withholds the largest dust particles suspended 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.

### 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. The Negative Ion filter releases negative ions that revitalize the air. The Vitamin C filter has beneficial effects on your skin's strength and elasticity. The Cold Catalyst filter absorbs smaller particles, pollen, and has a deodorizing effect, offering a refreshing indoor environment.



### 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.

### NEGATIVE ION FILTER (IONIZER FILTER)

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

### 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.



## 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 are able to 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 know easily 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 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



### 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 (IONIZER FILTER)

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

## 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.



### ECO-MODE

By enabling 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 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 wifi 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 thawing 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.



### MEMORIZE

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 humanistic.

## 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 of 230 Volts. Specifically, the air-conditioner can be operated at a voltage of 168 to 264V, thus providing protection against fluctuations in the electricity voltage in 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

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 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 heat 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.



### REFRIGERANT LEAKAGE PROTECTION

This function protect 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.



Turn to the experts

# Single Split Systems

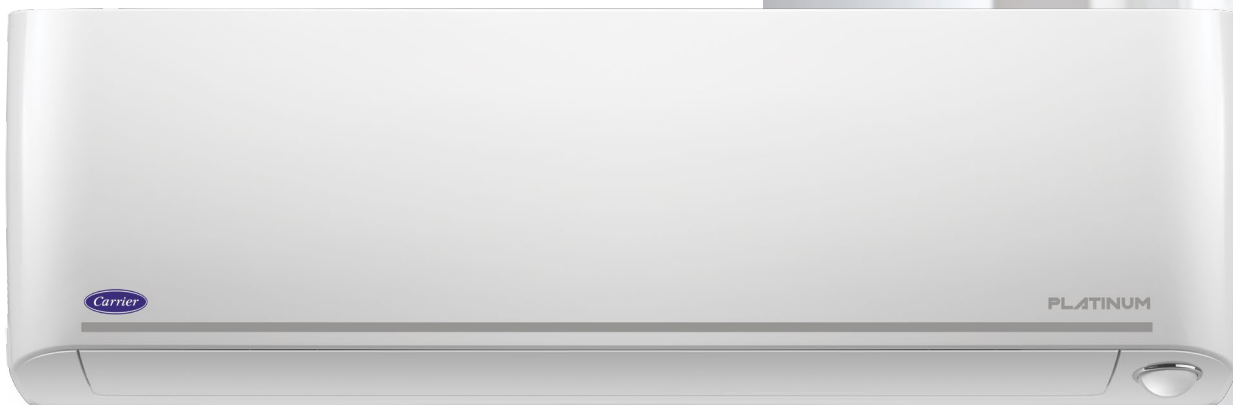
**HOME HEATING AND COOLING EXPERTISE**





# INVERTER HI-WALL

# PLATINUM



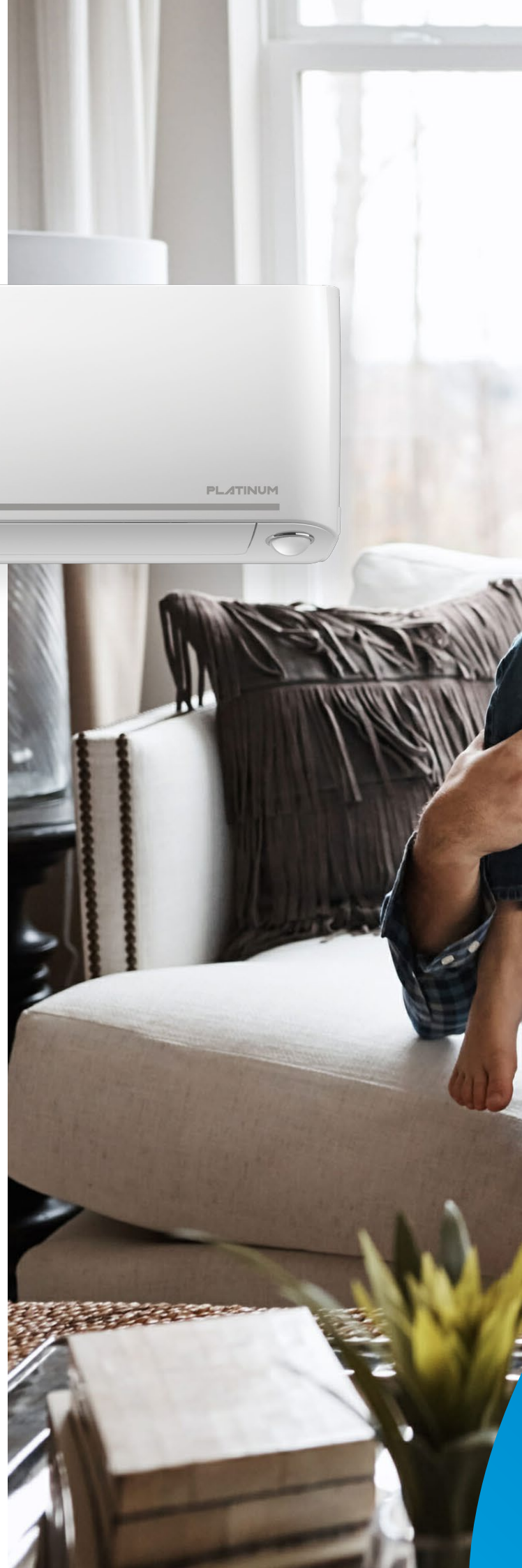
Intelligent Eye



Comfort Humidity



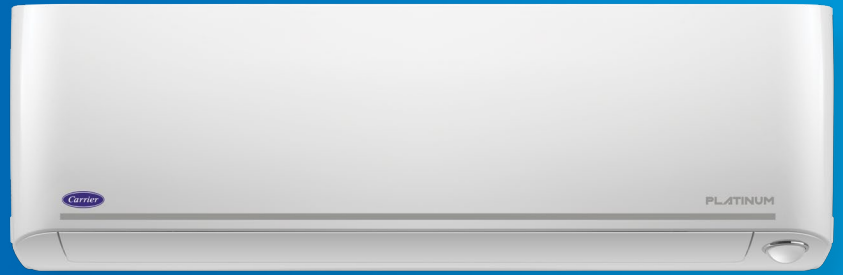
Auto Photosensitive Display





**Powerful heating  
even in -25°C  
extreme weather**

























# INVERTER HI-WALL PLATINUM



Use of the advanced inverter technology withstands the most extreme weather conditions. You can enjoy comfortable and heating air even when the outdoor temperature is as low as  $-25^{\circ}\text{C}$ .

Offers the most comfort airflow with warm air down to your toes, feeling spring in every corner of your room. Cool air up to the ceiling, enjoy a more homogeneous coolness around.

## FEATURES

- |   |                                      |   |                                  |
|---|--------------------------------------|---|----------------------------------|
|  | Wi-Fi Active                         |  | Dry Mode                         |
|  | Golden Fin                           |  | Quiet Mode                       |
|  | Remote Control Bright Screen         |  | Self Clean                       |
|  | Cold Catalyst Filter                 |  | Auto Diagnosis & Self Protection |
|  | Vitamin C Filter                     |  | Auto Defrosting                  |
|  | Negative Ion Filter (Ionizer Filter) |  | Auto Restart                     |
|  | Follow Me                            |  | Electrical Voltage Protection    |
|  | Sleep Mode                           |  | Low Ambient                      |
|  | ECO                                  |  | Memorize                         |
|  | Turbo                                |  | Remote Control Locking           |
|  | Louver Function/ Horizontally        |  | Refrigerant Leakage Detection    |
|  | Timer                                |  | 1W Stand By                      |



# TECHNICAL CHARACTERISTICS

## SYSTEM

### Cooling capacity

### Heating capacity

Heating capacity at -7°C

Heating capacity at -10°C

Heating capacity at -15°C

Heating capacity at -20°C

Heating capacity at -25°C

Temp range cooling

Temp range heating

SEER / SCOP (warmer) / SCOP (average) / SCOP (cold)

Energy label

Yearly energy consumption

Standard current (cooling)

Standard input (cooling)

Standard current (heating)

Standard input (heating)

Refrigerant amount

Liquid side / Gas side

Standard piping length

Min piping length

Max piping length

Max difference

Additional charge

Voltage, Hz

## 38QHP/42QHP09E8S

## 38QHP/42QHP12E8S

kW	2.64 (1.0-4.1)	3.52 (1.0-4.7)
BTU/h	9.015 (3.414 - 13.990)	12.015 (3.414 - 16.035)
kW	4.20 (0.8-5.1)	4.20 (0.8-6.3)
BTU/h	14.340 (2.730 - 17.400)	14.340 (2.730 - 21.495)
kW	3,8	4,2
kW	3,6	4,1
kW	3,5	3,8
kW	2,9	3,1
kW	2,7	3
°C	-25-46	-25-46
°C	-25-24	-25-24
W/W	9.3 / 6.2 / 5.2 / 4.2	9.0 / 6.2 / 5.2 / 4.2
	A+++ / A+++ / A+++ / A+	A+++ / A+++ / A+++ / A+
kWh	100 / 700 / 647 / 1266	137 / 700 / 647 / 1266
A	3,1	3,7
W	510	800
A	4	4
W	890	890
kg	0,87	0,87
	1/4" - 3/8"	1/4" - 3/8"
m	5	5
m	3	3
m	25	25
m	10	10
g/m	12	12
	220-240V-, 50/60Hz	220-240V-, 50/60Hz

## INDOOR UNIT

### 42QHP09E8S

### 42QHP12E8S

Sound power level

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

Air flow (high/med/low/silence)

Weight (net/gross)

Dimensions (WxDxH)

dB(A)	60	60
dB(A)	41/38/26/21	42/39/28/22
m <sup>3</sup> /h	540/460/340/190	570/490/360/210
kg	13	13
mm	895×248×298	895×248×298

## OUTDOOR UNIT

### 38QHP09E8S

### 38QHP12E8S

Sound power level

Sound pressure level

Air flow

Weight (net/gross)

Dimensions (WxDxH)

dB(A)	61	63
dB(A)	58	58
m <sup>3</sup> /h	2000	2000
kg	36.5	36.5
mm	800×333×554	800×333×554

Notes:

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

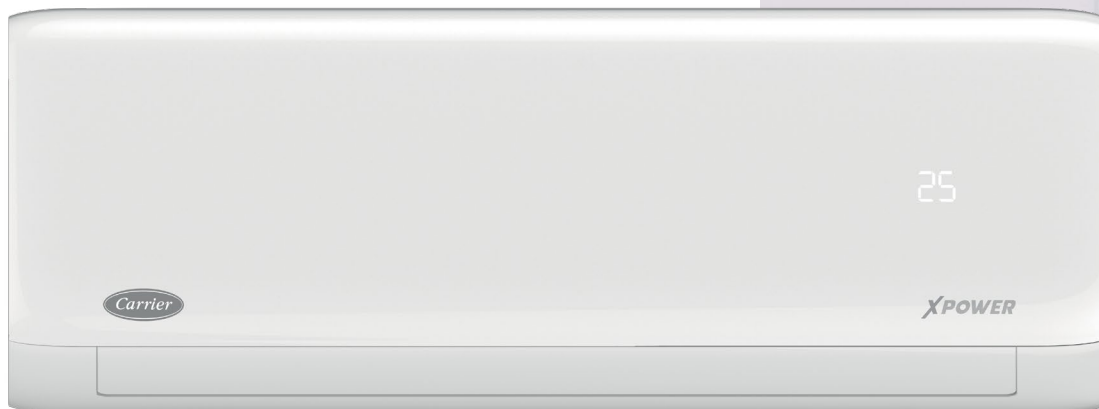
\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## XPOWER



Wide Range Ambient Operation  
for Cooling up to 50°C



Base Pan Heater



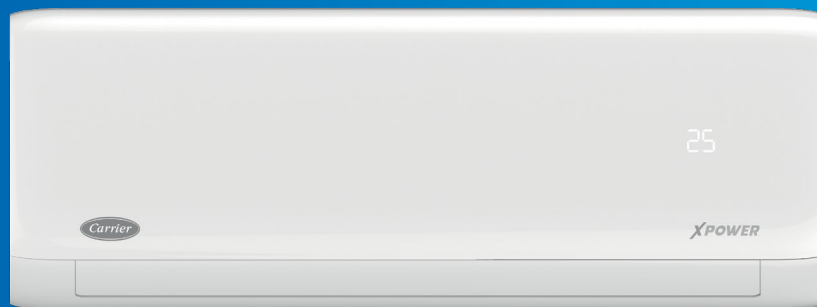
X-ECO Mode  
as little as 1.2kWh per night(9K)





**Leads  
air-conditioner  
into a new era**

# INVERTER HI-WALL **XPOWER**



Excellent energy efficiency A +++/A+++, high level of convenience and comfort of owners. All DC Inverter technology ensures maximum cooling and heating capacity efficiency with the lower power consumption.

Xpower 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.

## FEATURES

- |   |                                      |   |                                  |
|---|--------------------------------------|---|----------------------------------|
|  | Wi-Fi Active                         |  | Turbo                            |
|  | Golden Fin                           |  | Wind Avoid Me (Breeze Away)      |
|  | Gear Operation                       |  | Timer                            |
|  | Fan Blades                           |  | Dry Mode                         |
|  | 9 Grades of Outdoor Fan Speed        |  | Quiet Mode                       |
|  | Base Pan Heater                      |  | Active Clean                     |
|  | Low Ambient Cooling/Heating          |  | Auto Diagnosis & Self Protection |
|  | Pre Filter                           |  | Auto Defrosting                  |
|  | Cold Catalyst Filter                 |  | Auto Restart                     |
|  | Vitamin C Filter                     |  | Electrical Voltage Protection    |
|  | Negative Ion Filter (Ionizer Filter) |  | Memorize                         |
|  | Follow Me                            |  | Remote Control Locking           |
|  | Sleep Mode                           |  | Refrigerant Leakage Detection    |
|  | ECO                                  |  | 1W Stand By                      |

# TECHNICAL CHARACTERISTICS

## SYSTEM

### Cooling capacity

	38QHG/42QHG009D8SH	38QHG/42QHG012D8SH
<b>kW</b>	<b>2.64 (1.03-3.22)</b>	<b>3.36(1.38-4.31)</b>
BTU/h	9.015 (3.414 - 13.990)	12.015 (3.414 - 16.035)
<b>Heating capacity</b>		
<b>kW</b>	<b>2.85 (0.82-3.37)</b>	<b>3.81(1.07-4.38)</b>
BTU/h	14.340 (2.730 - 17.400)	14.340 (2.730 - 21.495)
Temp range cooling	°C -15-50	-15-50
Temp range heating	°C -15-24	-15-24
SEER / SCOP (warmer) / SCOP (average)	W/W 8.5 / 5.4 / 4.2	8.5 / 5.8 / 4.3
Energy label	A+++ / A+++ / A+	A+++ / A+++ / A+
Yearly energy consumption	kWh 109 / 648 / 867	138 / 628 / 846
Standard current (cooling)	A 2,90	3,80
Standard input (cooling)	W 660	860
Standard current (heating)	A 3,10	4,40
Standard input (heating)	W 700	1000
Refrigerant amount	kg 0,62	0,62
Liquid side / Gas side	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-, 50Hz	220-240V-, 50Hz

## INDOOR UNIT

### 42QHG009D8SH

### 42QHG012D8SH

Sound power level	dB(A) 57	60
Sound pressure level (Max. - Min.)	dB(A) 37/32/29/21	38/33/28/21
Air flow (Max. - Min.)	m <sup>3</sup> /h 510/360/300/160	520/370/310/170
Weight	kg 8.7	8.7
Dimensions (WxDxH)	mm 835x208x295	835x208x295

## OUTDOOR UNIT

### 38QHG009D8SH

### 38QHG012D8SH

Sound power level	dB(A) 61	65
Sound pressure level	dB(A) 54	55
Airflow	m <sup>3</sup> /h 2150	2200
Weight	kg 26.2	26.4
Dimensions (WxDxH)	mm 765x303x555	765x303x555

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

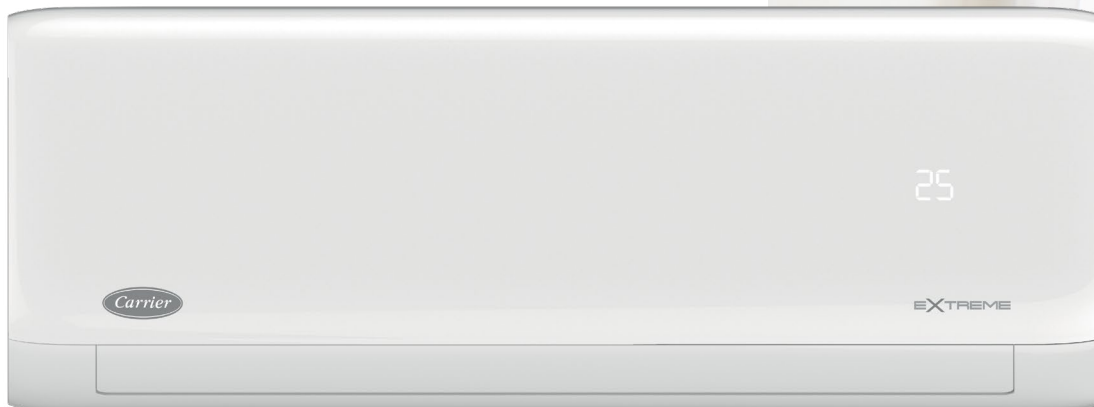
\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## EXTREME



Gear Operation



Green Fin\*



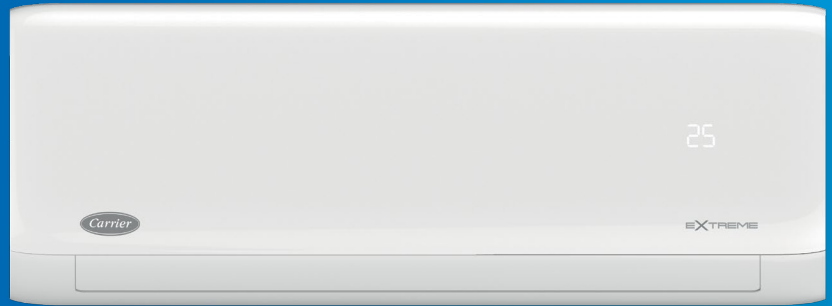
1% - 100% Stepless Comfort

\*sizes 9 & 12



**Superior  
performance**

# INVERTER HI-WALL EXTREME



The new R32 refrigerant Carrier's hi wall, offers great efficiency. The optimized air fan and ducts deliver the same airflow in with 30 percent less power thanks to the new design. It makes the Extreme Save an unbeatable choice for energy saving.

The base heater prevents condensate from freezing. Without a heater, freezing condensate can cause noise, damage to fan blade, condenser, and system performance.

## FEATURES

-  Wi-Fi Active
-  Golden Fin
-  Green Fin (at sizes 9 & 12)
-  Gear Operation
-  Fan Blades
-  9 Grades of Outdoor Fan Speed
-  Base Pan Heater
-  Low Ambient Heating/Cooling
-  Pre Filter
-  Cold Catalyst Filter
-  Vitamin C Filter
-  Negative Ion Filter (Ionizer Filter)
-  Follow Me
-  Sleep Mode
-  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/42QHG009D8SX	38QHG/42QHG012D8SX	38QHG/42QHG018D8SX	38QHG/42QHG024D8SX
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)
	BTU/h	9.390 (3.414 - 10.925)	12.461 (4.780 - 16.680)	18.025 (8.195 - 20.825)	24.035 (7.170 - 27.995)
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)
	BTU/h	9.900 (2.731 - 11.610)	13.315 (3.755 - 15.022)	19.460 (7.170 - 22.875)	25.605 (5.121 - 27.995)
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
Liquid side / Gas side		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		42QHG009D8SX	42QHG012D8SX	42QHG018D8SX	42QHG024D8SX
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		38QHG009D8SX	38QHG012D8SX	38QHG018D8SX	38QHG024D8SX
Sound power level	dB(A)	63	64	65	69
Sound pressure level	dB(A)	55,5	56	57	60
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

\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL



Comfort Care



Super Quiet



Interactive Display



**Ultra high  
energy efficiency**























## INVERTER HI-WALL



An extensive product lineup which utilizes Carrier's technology for lower costs and environmental impact.

The Infinity premium Inverter air-conditioner has an A++/A+++ (cooling/heating) energy efficiency class, self-cleaning function, Cold Catalyst Filter and a number of useful features.

## FEATURES

- |   |                                      |   |                                  |
|---|--------------------------------------|---|----------------------------------|
|  | Wi-Fi Active                         |  | Dry Mode                         |
|  | Golden Fin                           |  | Quiet Mode                       |
|  | Remote Control Bright Screen         |  | Self Clean                       |
|  | Cold Catalyst Filter                 |  | Auto Diagnosis & Self Protection |
|  | Vitamin C Filter                     |  | Auto Defrosting                  |
|  | Negative Ion Filter (Ionizer Filter) |  | Auto Restart                     |
|  | Follow Me                            |  | Electrical Voltage Protection    |
|  | Sleep Mode                           |  | Low Ambient                      |
|  | ECO                                  |  | Memorize                         |
|  | Turbo                                |  | Remote Control Locking           |
|  | Louver Function/ Horizontally        |  | Refrigerant Leakage Detection    |
|  | Timer                                |  | 1W Stand By                      |

# TECHNICAL CHARACTERISTICS

SYSTEM		38QHB/42QHB09D8SW	38QHB/42QHB12D8SW	38QHB/42QHB18D8SW	38QHB/42QHB24D8SW
<b>Cooling capacity</b>	<b>kW</b>	<b>2.64 (1.0-3.2)</b>	<b>3.52 (1.0-4.1)</b>	<b>5.28 (1.8-6.1)</b>	<b>7.04 (2.6-8.4)</b>
	BTU/h	9.012 (3.414 - 13.990)	12.017 ( 3.414 - 13.998)	18.025 (8.195 - 20.825)	24.035 (7.170 - 27.995)
<b>Heating capacity</b>	<b>kW</b>	<b>2.80 (0.9-3.6)</b>	<b>3.80 (0.9-4.7)</b>	<b>5.50 (1.4-6.8)</b>	<b>7.60 (1.5-9.4)</b>
	BTU/h	9.560 (3.070 - 12.285)	12.975 (3.070 - 16.036)	18.777 (4.780 - 23.200)	25.950 (5.120 - 32.073)
Heating capacity at -7°C	kW	2,9	3,0	3,7	6,3
Heating capacity at -15°C	kW	2,3	2,4	3,1	5,7
Heating capacity at -20°C	kW	2,0	2,0	2,7	4,9
Temp range cooling	°C	-15-46	-15-46	-15-46	-15-46
Temp range heating	°C	-15-24	-15-24	-15-24	-15-24
SEER / SCOP (warmer) / SCOP (average)	W/W	7.1 / 5.1 / 4.0	6.8 / 5.1 / 4.0	6.4 / 5.1 / 4.0	6.4 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	130 / 824 / 875	181 / 851 / 945	289 / 1400 / 1365	385 / 1730 / 1785
Standard current (cooling)	A	3,30	5,30	7,30	10,30
Standard input (cooling)	W	740	1200	1630	2320
Standard current (heating)	A	3,20	4,80	6,60	9,70
Standard input (heating)	W	720	1100	1480	2200
Refrigerant amount	kg	0,70	0,80	1,25	1,60
Liquid side / Gas side		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-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph

INDOOR UNIT		42QHB09D8SW	42QHB12D8SW	42QHB18D8SW	42QHB24D8SW
Sound power level	dB(A)	55	57	60	63
Sound pressure level (Max. - Min.)	dB(A)	38/31/23/20	39/32/23/21	42/33/27/21	46/40/30/26
Air flow (Max. - Min.)	m <sup>3</sup> /h	420/310/230/150	530/470/290/170	750/510/420/330	1050/750/560/450
Weight	kg	7.3	8.2	10.8	12.9
Dimensions (WxDxH)	mm	722x187x290	802x189x297	965x215x319	1080x226x335

OUTDOOR UNIT		38QHB09D8S	38QHB12D8S	38QHB18D8S	38QHB24D8S
Sound power level	dB(A)	61	62	65	68
Sound pressure level	dB(A)	56	56	57	59
Airflow	m <sup>3</sup> /h	1900	1900	2100	2700
Weight	kg	27.0	27.0	37.0	50.0
Dimensions (WxDxH)	mm	770x300x555	770x300x555	800x333x554	845x363x702

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

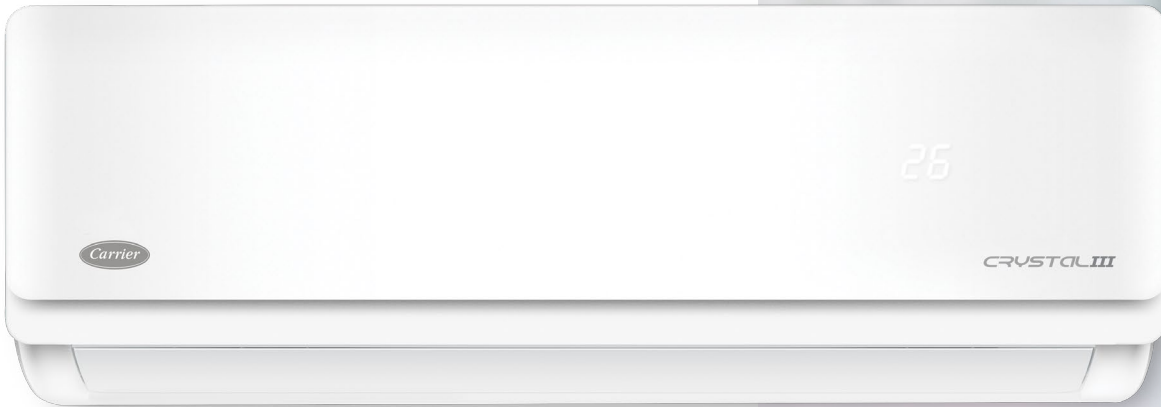
\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## CRYSTAL III



**R32**  
REFRIGERANT



Golden Fin Protection



1W Standby

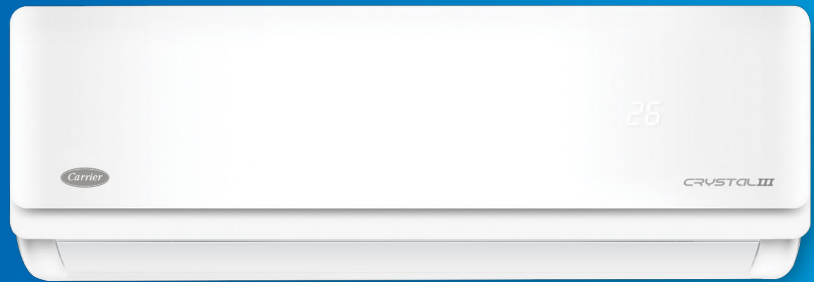


Wind Avoid Me



**Comfortable indoor  
temperature with maximum  
energy efficiency**

## INVERTER HI-WALL CRYSTAL III



An energy-efficient model with a SEER up to 7.1 rating maintains the desired temperature without frequently turning off and on.

Gear operation offers you three options for operating power - 50%, 75% and 100%, which allows you to adjust the energy consumption level as you will.

### FEATURES

- |   |                                      |   |                                  |
|---|--------------------------------------|---|----------------------------------|
|  | Wi-Fi Active                         |  | Turbo                            |
|  | Golden Fin                           |  | Wind Avoid Me (Breeze away)      |
|  | Gear Operation                       |  | Timer                            |
|  | Fan Blades                           |  | Dry Mode                         |
|  | 9 Grades of Outdoor Fan Speed        |  | Quiet Mode                       |
|  | Low Ambient Cooling                  |  | Active Clean                     |
|  | Low Ambient Heating                  |  | Auto Diagnosis & Self Protection |
|  | Pre Filter                           |  | Auto Defrosting                  |
|  | Cold Catalyst Filter                 |  | Auto Restart                     |
|  | Vitamin C Filter                     |  | Electrical Voltage Protection    |
|  | Negative Ion Filter (Ionizer Filter) |  | Memorize                         |
|  | Follow Me                            |  | Remote Control Locking           |
|  | Sleep Mode                           |  | Refrigerant Leakage Detection    |
|  | ECO                                  |  | 1W Stand By                      |



# TECHNICAL CHARACTERISTICS

SYSTEM		38QHG/42QHG009D8S	38QHG/42QHG012D8S	38QHG/42QHG018D8S	38QHG/42QHG024D8S
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)
	BTU/h	9.390 (3.414 - 10.925)	12.461 (4.780 - 16.680)	18.025 (8.195 - 20.825)	24.035 (7.170 - 27.995)
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)
	BTU/h	9.900 (2.731 - 11.610)	13.315 (3.755 - 15.022)	19.460 (7.170 - 22.875)	25.605 (5.121 - 27.995)
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
Liquid side / Gas side		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		42QHG009D8S	42QHG012D8S	42QHG018D8S	42QHG024D8S
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 (WxDxH)	mm	726x210x291	835x208x295	969x241x320	1083x244x336

OUTDOOR UNIT		38QHG009D8S	38QHG012D8S	38QHG018D8S	38QHG024D8S
Sound power level	dB(A)	63	64	65	69
Sound pressure level	dB(A)	55,5	56	57	60
Airflow	m³/h	1750	1800	2100	3500
Weight	kg	23.5	23.7	33.5	43.9
Dimensions (WxDxH)	mm	720x270x495	720x270x495	805x330x554	890x342x673

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

\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

ULTIMATE  
**INFINITY**



**R32**  
REFRIGERANT



Energy Saving



Anti Cold Air Function



Wide Range Voltage Operation





**Optimum cooling / heating  
performance as well as  
operational comfort**

## INVERTER HI-WALL



Maintains the desired temperature in the room automatically, without sudden changes and high energy costs.

Switch from Silent mode which operates at 20 dB(A) to Strong mode for maximum performance when it's hot. A double insulated outdoor compressor provides for increased economy & efficiency.

## FEATURES

- |  |                                      |  |                                  |
|--|--------------------------------------|--|----------------------------------|
|  | Golden Fin                           |  | Dry Mode                         |
|  | Remote Control Bright Screen         |  | Quiet Mode                       |
|  | Cold Catalyst Filter                 |  | Self Clean                       |
|  | Vitamin C Filter                     |  | Auto Diagnosis & Self Protection |
|  | Negative Ion Filter (Ionizer Filter) |  | Auto Defrosting                  |
|  | Follow Me                            |  | Auto Restart                     |
|  | Sleep Mode                           |  | Electrical Voltage Protection    |
|  | ECO                                  |  | Low Ambient                      |
|  | Turbo                                |  | Memorize                         |
|  | Louver Function/ Horizontally        |  | Remote Control Locking           |
|  | Timer                                |  | Refrigerant Leakage Detection    |
|  |                                      |  | 1W Stand By                      |

# TECHNICAL CHARACTERISTICS

SYSTEM		38QHB/42QHB09D8S	38QHB/42QHB12D8S	38QHB/42QHB18D8S	38QHB/42QHB24D8S
Cooling capacity	kW	2.64 (1.0-3.2)	3.52 (1.0-4.1)	5.28 (1.8-6.1)	7.04 (2.6-8.4)
	BTU/h	9.012 (3.414 - 10.920)	12.017 (3.414 - 13.990)	18.025 (6.141 - 20.815)	24.035 (8.870 - 28.660)
Heating capacity	kW	2.80 (0.9-3.6)	3.80 (0.9-4.7)	5.50 (1.4-6.8)	7.60 (1.5-9.4)
	BTU/h	9.560 (3.070 - 12.285)	12.975 (3.070 - 16.036)	18.777 (4.780 - 23.200)	25.950 (5.120 - 32.073)
Heating capacity at -7°C	kW	2,9	3,0	3,7	6,3
Heating capacity at -15°C	kW	2,3	2,4	3,1	5,7
Heating capacity at -20°C	kW	2,0	2,0	2,7	4,9
Temp range cooling	°C	-15-46	-15-46	-15-46	-15-46
Temp range heating	°C	-15-24	-15-24	-15-24	-15-24
SEER / SCOP (warmer) / SCOP (average)	W/W	7.1 / 5.1 / 4.0	6.8 / 5.1 / 4.0	6.4 / 5.1 / 4.0	6.4 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	130 / 824 / 875	181 / 851 / 945	289 / 1400 / 1365	385 / 1730 / 1785
Standard current (cooling)	A	3,30	5,30	7,30	10,30
Standard input (cooling)	W	740	1200	1630	2320
Standard current (heating)	A	3,20	4,80	6,60	9,70
Standard input (heating)	W	720	1100	1480	2200
Refrigerant amount	kg	0,70	0,80	1,25	1,60
Liquid side / Gas side		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-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph

INDOOR UNIT		42QHB09D8S	42QHB12D8S	42QHB18D8S	42QHB24D8S
Sound power level	dB(A)	55	57	60	63
Sound pressure level (Max. - Min.)	dB(A)	38/31/23/20	39/32/23/21	42/33/27/21	46/40/30/26
Air flow (Max. - Min.)	m³/h	420/310/230/150	530/470/290/170	750/510/420/330	1050/750/560/450
Weight	kg	7.3	8.2	10.8	12.9
Dimensions (WxDxH)	mm	722x187x290	802x189x297	965x215x319	1080x226x335

OUTDOOR UNIT		38QHB09D8S	38QHB12D8S	38QHB18D8S	38QHB24D8S
Sound power level	dB(A)	61	62	65	68
Sound pressure level	dB(A)	56	56	57	59
Airflow	m³/h	1900	1900	2100	2700
Weight	kg	27.0	27.0	37.0	50.0
Dimensions (WxDxH)	mm	770x300x555	770x300x555	800x333x554	845x363x702

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

\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## LEGACY



Louver Position Memory Function



1W Standby

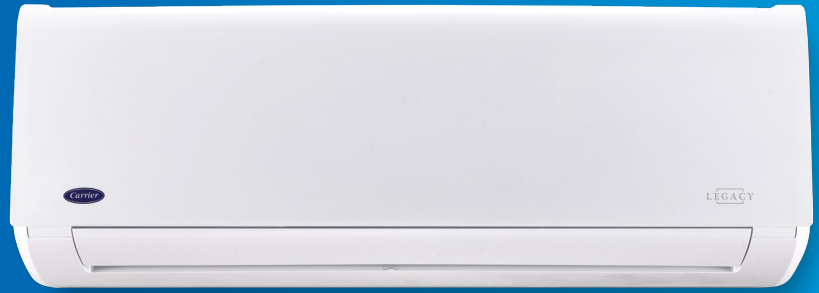


12 Grades Indoor Fan Speed



























**Providing more  
than comfort and efficiency**

# INVERTER HI-WALL LEGACY



Eco Mode efficiently maintains the perfect temperature, delivering the energy saving performance which earned the Legacy models their A+++ seasonal energy efficiency rating.

## FEATURES

- |   |                                      |   |                                  |
|---|--------------------------------------|---|----------------------------------|
|  | Wi-Fi Ready                          |  | Timer                            |
|  | Golden Fin                           |  | Dry Mode                         |
|  | Remote Control Bright Screen         |  | Quiet Mode                       |
|  | Cold Catalyst Filter                 |  | Self Clean                       |
|  | Vitamin C Filter                     |  | Auto Diagnosis & Self Protection |
|  | Negative Ion Filter (Ionizer Filter) |  | Auto Defrosting                  |
|  | Follow Me                            |  | Auto Restart                     |
|  | Sleep Mode                           |  | Electrical Voltage Protection    |
|  | X-ECO                                |  | Low Ambient                      |
|  | Turbo                                |  | Remote Control Locking           |
|  | Louver Function/ Horizontally        |  | Refrigerant Leakage Detection    |
|  | 8°C Heating (Freeze Protection)      |  | 1W Stand By                      |



# TECHNICAL CHARACTERISTICS

SYSTEM		38QHC/42QHC012D8LS	38QHC/42QHC022D8LS
Cooling capacity	kW	1.1 - 3.6	2.3 - 5.7
	BTU/h	3.755 - 12.285	7.850 - 19.450
Heating capacity	kW	1.0 - 3.9	2.2 - 5.8
	BTU/h	3.412 - 13.310	7.510 - 19.790
Heating capacity at -7°C	kW	2,9	3,8
Heating capacity at -15°C	kW	2,5	3,2
Heating capacity at -20°C	kW	2	2,8
Temp range cooling	°C	-15-46	-15-46
Temp range heating	°C	-15-24	-15-24
SEER / SCOP (warmer ) / SCOP (average) / SCOP (cold)	W/W	7.1 / 5.1 / 4.0	6.8 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	159 / 824 / 875	283 / 1483 / 1435
Standard current (cooling)	A	4,2	7,6
Standard input (cooling)	W	950	1720
Standard current (heating)	A	4,6	6,9
Standard input (heating)	W	1030	1550
Refrigerant amount	kg	0,7	1,25
Liquid side / Gas side		1/4" - 3/8"	1/4" - 1/2"
Standard piping length	m	5	5
Min piping length	m	3	3
Max piping length	m	25	30
Max difference	m	10	20
Additional charge	g/m	12	12
Voltage, Hz		220-240V-, 50/60Hz	220-240V-, 50/60Hz

INDOOR UNIT		42QHC012D8LS	42QHC022D8LS
Sound power level	dB(A)	53	57
Sound pressure level (Max. - Min.)	dB(A)	39/35/31/22	43/39/35/24
Air flow (Max. - Min.)	m³/h	440/360/280/150	750/630/510/330
Weight	kg	7.5	11.0
Dimensions (WxDxH)	mm	730×192×291	973×218×319

OUTDOOR UNIT		38QHC012D8LS	38QHC022D8LS
Sound power level	dB(A)	64	65
Sound pressure level	dB(A)	54	55
Air flow	m³/h	1900	2100
Weight	kg	27	38
Dimensions (WxDxH)	mm	770×300×555	800×333×554

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

\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## COASTALPLUS



**R32**  
REFRIGERANT



Golden and Green Fin\*



Ionizer Filter



Quiet Mode

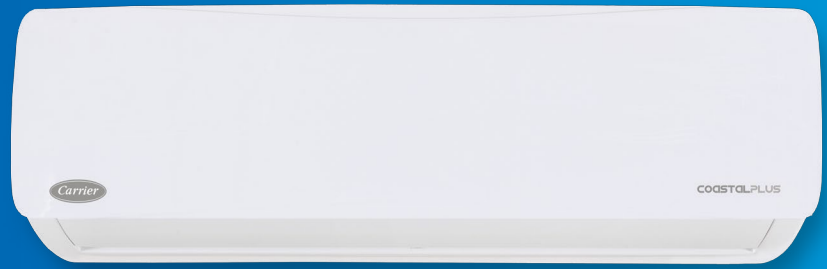
\*sizes 9 & 12






























**The best solution  
for coastal and industrial  
applications**

# INVERTER HI-WALL COASTALPLUS



It's Gold plating fin heat exchanger - Corrosion protection, offering special anti-corrosion coating of the heat exchanger and protecting from atmospheric phenomena and effects of aggressive environment.

## FEATURES

- |   |                                      |   |                                  |
|---|--------------------------------------|---|----------------------------------|
|  | Wi-Fi Active                         |  | Timer                            |
|  | Golden Fin                           |  | Dry Mode                         |
|  | Green Fin                            |  | Quiet Mode                       |
|  | Remote Control Bright Screen         |  | Self Clean                       |
|  | Cold Catalyst Filter                 |  | Auto Diagnosis & Self Protection |
|  | Vitamin C Filter                     |  | Auto Defrosting                  |
|  | Negative Ion Filter (Ionizer Filter) |  | Auto Restart                     |
|  | Follow Me                            |  | Electrical Voltage Protection    |
|  | Sleep Mode                           |  | Low Ambient                      |
|  | ECO                                  |  | Memorize                         |
|  | Turbo                                |  | Remote Control Locking           |
|  | Louver Function/ Horizontally        |  | Refrigerant Leakage Detection    |
|   |                                      |  | 1W Stand By                      |

# TECHNICAL CHARACTERISTICS

SYSTEM		38QHB/42QHB09D8SC	42QHB/38QHB12D8SC	42QHB/38QHB18D8SC	42QHB/38QHB24D8SC
<b>Cooling capacity</b>	<b>kW</b>	<b>2.64 (1.0-3.2)</b>	<b>3.52 (1.0-4.1)</b>	<b>5.28 (1.8-6.1)</b>	<b>7.04 (2.6-8.4)</b>
	BTU/h	9.012 (3.414 - 13.990)	12.017 ( 3.414 - 13.998)	18.025 (6.141 - 20.815)	24.035 (8.870 - 28.660)
<b>Heating capacity</b>	<b>kW</b>	<b>2.80 (0.9-3.6)</b>	<b>3.80 (0.9-4.7)</b>	<b>5.50 (1.4-6.8)</b>	<b>7.60 (1.5-9.4)</b>
	BTU/h	9.560 (3.070 - 12.285)	12.975 (3.070 - 16.036)	18.777 (4.780 - 23.200)	25.950 (5.120 - 32.073)
Heating capacity at -7°C	kW	2,9	3,0	3,7	6,3
Heating capacity at -15°C	kW	2,3	2,4	3,1	5,7
Heating capacity at -20°C	kW	2,0	2,0	2,7	4,9
Temp range cooling	°C	-15-46	-15-46	-15-46	-15-46
Temp range heating	°C	-15-24	-15-24	-15-24	-15-24
SEER / SCOP (warmer) / SCOP (average) / SCOP (cold)	W/W	7.1 / 5.1 / 4.0	6.8 / 5.1 / 4.0	6.4 / 5.1 / 4.0	6.4 / 5.1 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+
Yearly energy consumption	kWh	130 / 824 / 875	181 / 851 / 945	289 / 1400 / 1365	385 / 1730 / 1785
Standard current (cooling)	A	3,30	5,30	7,30	10,30
Standard input (cooling)	W	740	1200	1630	2320
Standard current (heating)	A	3,20	4,80	6,60	9,70
Standard input (heating)	W	720	1100	1480	2200
Refrigerant amount	kg	0,70	0,80	1,25	1,60
Liquid side / Gas side		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-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph	220-240V-, 50/60Hz, 1Ph
<b>INDOOR UNIT</b>		<b>42QHB09D8SC</b>	<b>42QHB12D8SC</b>	<b>42QHB18D8SC</b>	<b>42QHB24D8SC</b>
Sound power level	dB(A)	55	57	60	63
Sound pressure level (Max. - Min.)	dB(A)	38/31/23/20	39/32/23/21	42/33/27/21	46/40/30/26
Air flow (Max. - Min.)	m <sup>3</sup> /h	420/310/230/150	530/470/290/170	750/510/420/330	1050/750/560/450
Weight	kg	7.3	8.2	10.8	12.9
Dimensions (WxDxH)	mm	722×187×290	802×189×297	965×215×319	1080×226×335
<b>OUTDOOR UNIT</b>		<b>38QHB09D8SC</b>	<b>38QHB12D8SC</b>	<b>38QHB18D8SC</b>	<b>38QHB24D8SC</b>
Sound power level	dB(A)	61	62	65	68
Sound pressure level	dB(A)	56	56	57	59
Air flow	m <sup>3</sup> /h	1900	1900	2100	2700
Weight		27.0	27.0	37.0	50.0
Dimensions (WxDxH)		770×300×555	770×300×555	800×333×554	845×363×702

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

\* Preliminary Data



Turn to the experts



Turn to the experts

# Multi Split Systems

**SUPREME FLEXIBILITY AND COMFORT**





Delivering

# The ultimate comfort

with the maximum flexibility

Carrier Multisplit system is the environmentally-friendly solution, providing simple and effective multi-room comfort for all types of home, all year round. With just one outdoor unit, this system is not only easy to conceal, it also significantly reduces noise levels for a quieter environment.

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. Their harmonious design and highly compact sizes blend perfectly into any home decor.

## INSTALLATION FLEXIBILITY

One outdoor unit can serve up to 5 indoor units with a wide range of compatible units: Hi-wall, Cassettes, Consoles and Ducted.

- 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

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



### EUROVENT CERTIFICATION

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



### 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.



### TIMER

Allows you to start the unit at a preset time in the desired cooling or heating mode.

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





## 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

Efficient under Partial Load Energy Saver



### COMFORT

Quiet Mode



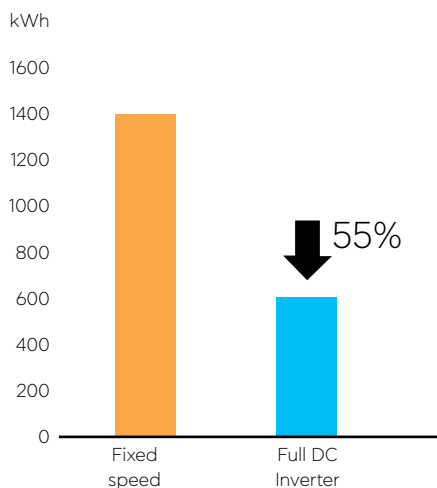
### FLEXIBILITY

Independent Control  
Wide Combination  
Space Saver  
Free Match  
Flexible Installation  
Easy Maintenance



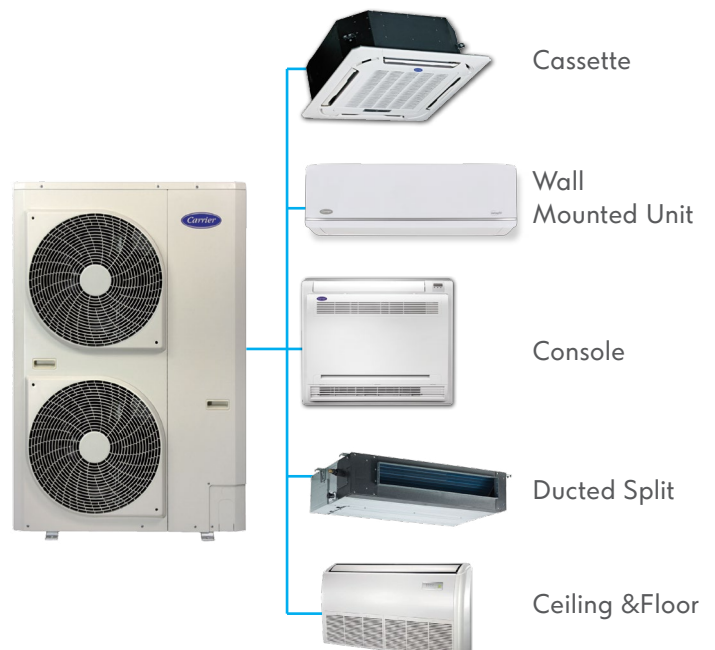
## ENERGY SAVER

Compared with fixed-speed air conditioners, full DC inverter air conditioners can reduce approximately 55 % of power consumption in a year.



## FREE MATCH

Depending on your individual rooms, a wide range of indoor units are compatible with Carrier Outdoor units.



## OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL	38QU5014D8S2			
	HIWALL (NEW) 42QH007D8S* (x2)	HIWALL 42QHB007D8S-1 (x2)	CASSETTE 42QTD007D8S (x2)	DUCTED 42QSS007D8S (x2)
IDUS COMBINATION FOR RATING				
Cooling capacity	kW	4.10 (1.44-4.79)	4.10 (1.44-4.79)	4.10 (1.31-4.40)
Heating capacity	kW	4.40 (1.50-4.91)	4.40 (1.50-4.91)	4.40 (1.47-4.98)
SEER/ SCOP(average)	W/W	6.8/4.0	6.8 / 4.0	6.1 / 3.8
Energy label		A++/A+	A++ / A+	A++ / A
Yearly energy consumption	kWh	211/1365	211 / 1295	236 / 1437
EER/ COP	W/W	3.23/3.71	3.23 / 3.67	3.20 / 3.79
Standard current (cooling)	A	5,9	5,8	5,8
Standard input (cooling)	W	1270	1270	1280
Standard current (heating)	A	5,3	5,4	5,2
Standard input (heating)	W	1185	1200	1160
Rated current	A	11,5		
Rated input	W	2650,0		
Outdoor air flow	m <sup>3</sup> /h	2200,0		
Outdoor sound pressure level	dB(A)	56,0		
Outdoor sound power level	dB(A)	65,0		
Dimension (WxDxH)	mm	800x333x554		
Weight	kg	32,0		
Refrigerant charge amount, R32	kg	1,1		
Refrigerant piping (Liquid side/ Gas side)		2 x 1/4" - 3/8"		
Chargeless pipe length	m	7.5*2		
Additional charge	g/m	12,0		
Max. length for all rooms	m	40,0		
Max. length for one indoor unit	m	25,0		
Max. height difference between IDU and CDU	m	15,0		
Max. height difference between indoor units	m	10,0		
Temp range cooling	°C	-15 - 50		
Temp range heating	°C	-15 - 24		
Power supply	V-Hz-Ph	220-240V-, 50Hz, 1Ph		

\* Preliminary Data

OUTDOOR MODEL	38QU5018D8S2-1			
	HIWALL (NEW) 42QH009D8S* (x2)	HIWALL 42QHB009D8S-1 (x2)	CASSETTE 42QTD009D8S (x2)	DUCTED 42QSS009D8S (x2)
IDUS COMBINATION FOR RATING				
Cooling capacity	kW	5.28 (2.26-5.63)	5.28 (2.23-5.57)	5.28 (2.23-5.72)
Heating capacity	kW	5.57 (2.37-5.68)	5.57 (2.34-5.63)	5.57 (2.34-5.86)
SEER/ SCOP(average)	W/W	6.1/4.0	6.1 / 4.0	6.1 / 4.0
Energy label		A++/A+	A++ / A+	A++ / A
Yearly energy consumption	kWh	303/1585	303 / 1505	303 / 1505
EER/ COP	W/W	3.24/3.71	3.10 / 3.71	3.24 / 3.71
Standard current (cooling)	A	7,7	7,3	7,3
Standard input (cooling)	W	1630	1705	1630
Standard current (heating)	A	6,8	6,7	6,7
Standard input (heating)	W	1500	1500	1360
Rated current	A	13,0		
Rated input	W	2850		
Outdoor air flow	m <sup>3</sup> /h	2200		
Outdoor sound pressure level	dB(A)	56		
Outdoor sound power level	dB(A)	65		
Dimension (WxDxH)	mm	800x333x554		
Weight	kg	35,5		
Refrigerant charge amount, R32	kg	1,25		
Refrigerant piping (Liquid side/ Gas side)		2 x 1/4" - 3/8"		
Chargeless pipe length	m	7.5*2		
Additional charge	g/m	12		
Max. length for all rooms	m	40		
Max. length for one indoor unit	m	25		
Max. height difference between IDU and CDU	m	15		
Max. height difference between indoor units	m	10		
Temp range cooling	°C	-15 - 50		
Temp range heating	°C	-15 - 24		
Power supply	V-Hz-Ph	220-240V-, 50Hz, 1Ph		

\* Preliminary Data

# OUTDOOR UNITS TECHNICAL CHARACTERISTICS

## OUTDOOR MODEL

### IDUS COMBINATION FOR RATING

		38QUS021D8S3			
		HIWALL (NEW) 42QH007D8S* (x3)	HIWALL 42QHB007D8S-1 (x3)	CASSETTE 42QTD007D8S (x3)	DUCTED 42QSS007D8S (x3)
Cooling capacity	kW	6.15 (1.95-6.74)	6.10 (1.95-6.83)	6.10 (1.99-7.02)	6.10 (2.14-7.03)
Heating capacity	kW	6.59 (1.45-6.74)	6.59 (1.45-6.86)	6.59 (1.45-6.74)	6.59 (1.81-6.74)
SEER/ SCOP(average)	W/W	6.5/4.0	6.5 / 4.0	6.1 / 4.0	6.1 / 3.8
Energy label		A++/A+	A++ / A+	A++ / A+	A++ / A
Yearly energy consumption	kWh	331/1890	329 / 1890	350 / 1785	350 / 1879
EER/ COP	W/W	3.23/3.73	3.21 / 3.72	3.47 / 3.70	3.94 / 3.99
Standard current (cooling)	A	9,0	8,6	8,0	7,0
Standard input (cooling)	W	1900	1900	1760	1550
Standard current (heating)	A	8,5	8,1	8,1	7,5
Standard input (heating)	W	1770	1770	1780	1650
Rated current	A	15,5			
Rated input	W	3300			
Outdoor air flow	m <sup>3</sup> /h	2700			
Outdoor sound pressure level	dB(A)	58			
Outdoor sound power level	dB(A)	66			
Dimension (WxDxH)	mm	845x363x702			
Weight	kg	47.0			
Refrigerant charge amount, R32	kg	1,40			
Refrigerant piping (Liquid side/ Gas side)		3 × 1/4" - 3/8"			
Chargeless pipe length	m	7.5*3			
Additional charge	g/m	12			
Max. length for all rooms	m	60			
Max. length for one indoor unit	m	25			
Max. height difference between IDU and CDU	m	15			
Max. height difference between indoor units	m	10			
Temp range cooling	°C	-15 - 50			
Temp range heating	°C	-15 - 24			
Power supply	V-Hz-Ph	220-240V-, 50Hz, 1Ph			

\* Preliminary Data

## OUTDOOR MODEL

### IDUS COMBINATION FOR RATING

		38QUS027D8S3-1			
		HIWALL (NEW) 42QH009D8S* (x3)	HIWALL 42QHB009D8S-1 (x3)	CASSETTE 42QTD009D8S (x3)	DUCTED 42QSS009D8S (x3)
Cooling capacity	kW	7.90 (2.20-8.50)	7.90 (2.89-8.50)	7.90 (2.10-8.50)	7.90 (2.90-8.21)
Heating capacity	kW	8.20 (1.90-8.50)	8.20 (1.99-8.50)	7.91 (1.96-8.79)	8.20 (1.99-8.35)
SEER/ SCOP(average)	W/W	6.1/4.0	6.1 / 4.0	6.1 / 4.0	6.1 / 4.0
Energy label		A++/A+	A++ / A+	A++ / A+	A++ / A+
Yearly energy consumption	kWh	454/1995	454 / 1995	454 / 1855	454 / 1995
EER/ COP	W/W	3.23/3.73	3.22 / 3.73	3.22 / 3.73	3.22 / 4.00
Standard current (cooling)	A	12,0	11,0	11,0	11,0
Standard input (cooling)	W	2450	2450	2450	2450
Standard current (heating)	A	11,0	9,9	9,5	9,2
Standard input (heating)	W	2200	2200	2120	2050
Rated current	A	17,5			
Rated input	W	3600,0			
Outdoor air flow	m <sup>3</sup> /h	2700,0			
Outdoor sound pressure level	dB(A)	60,0			
Outdoor sound power level	dB(A)	68,0			
Dimension (WxDxH)	mm	845x363x702			
Weight	kg	51.0			
Refrigerant charge amount, R32	kg	1,7			
Refrigerant piping (Liquid side/ Gas side)		3 × 1/4" - 3/8"			
Chargeless pipe length	m	7.5*3			
Additional charge	g/m	12,0			
Max. length for all rooms	m	60,0			
Max. length for one indoor unit	m	30,0			
Max. height difference between IDU and CDU	m	15,0			
Max. height difference between indoor units	m	10,0			
Temp range cooling	°C	-15 - 50			
Temp range heating	°C	-15 - 24			
Power supply	V-Hz-Ph	220-240V-, 50Hz, 1Ph			

\* Preliminary Data

# OUTDOOR UNITS TECHNICAL CHARACTERISTICS

## OUTDOOR MODEL

### IDUS COMBINATION FOR RATING

		38QUS028D854			
		HIWALL (NEW) 42QH007D85* (x4)	HIWALL 42QHB007D85-1 (x4)	CASSETTE 42QTD007D85 (x4)	DUCTED 42QSS007D85 (x4)
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
Rated current	A	19,0			
Rated input	W	4150,0			
Outdoor air flow	m <sup>3</sup> /h	3800,0			
Outdoor sound pressure level	dB(A)	63,0			
Outdoor sound power level	dB(A)	70,0			
Dimension (WxDxH)	mm	946x410x810			
Weight	mm	1090x500x885			
Refrigerant charge amount, R32	kg	62,0			
Refrigerant piping (Liquid side/ Gas side)	kg	2,1			
Chargeless pipe length		3 × 1/4" - 3/8" + 1 × 1/4" - 1/2"			
Additional charge	m	7,5'4			
Max. length for all rooms	g/m	12,0			
Max. length for one indoor unit	m	80,0			
Max. height difference between IDU and CDU	m	30,0			
Max. height difference between indoor units	m	15,0			
Temp range cooling	m	10,0			
Temp range heating	°C	-15 - 50			
Temp range heating	°C	-15 - 24			
V-Hz-Ph		220-240V-, 50HZ, 1PH			

\* Preliminary Data

## OUTDOOR MODEL

### IDUS COMBINATION FOR RATING

		38QUS036D854			
		HIWALL (NEW) 42QH009D85* (x4)	HIWALL 42QHB009D85-1 (x4)	CASSETTE 42QTD009D85 (x4)	DUCTED 42QSS009D85 (x4)
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
Rated current	A	21,5			
Rated input	W	4600,0			
Outdoor air flow	m <sup>3</sup> /h	4000,0			
Outdoor sound pressure level	dB(A)	64,0			
Outdoor sound power level	dB(A)	72,0			
Dimension (WxDxH)	mm	946x410x810			
Weight	kg	69,0			
Refrigerant charge amount, R32	kg	2,1			
Refrigerant piping (Liquid side/ Gas side)		3 × 1/4" - 3/8" + 1 × 1/4" - 1/2"			
Chargeless pipe length	m	7,5'4			
Additional charge	g/m	12,0			
Max. length for all rooms	m	80,0			
Max. length for one indoor unit	m	35,0			
Max. height difference between IDU and CDU	m	15,0			
Max. height difference between indoor units	m	10,0			
Temp range cooling	°C	-15 - 50			
Temp range heating	°C	-15 - 24			
Power supply	V-Hz-Ph	220-240V-, 50Hz, 1PH			

\* Preliminary Data

## OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR MODEL		38QUS042D8S5			
		HIWALL (NEW) 42QH009D8S* (x5)	HIWALL 42QHB009D8S-1 (x5)	CASSETTE 42QTD009D8S (x5)	DUCTED 42QSS009D8S (x5)
IDUS COMBINATION FOR RATING					
Cooling capacity	kW	12.30 (2.70-12.31)	12.00 (2.05-12.31)	12.00 (2.05-12.31)	12.00 (2.64-12.46)
Heating capacity	kW	12.30 (3.52-12.31)	12.00 (2.34-12.31)	11.70 (2.34-12.31)	11.80 (3.52-12.60)
SEER/ SCOP(average)	W/W	6.5/3.8	6.8 / 3.8	5.7 / 3.8	5.80 / 3.80
Energy label		A++/A	A++ / A	A+ / A	A+ / A
Yearly energy consumption	kWh	662/3500	618 / 3390	737 / 3389	724 / 3353
EER/ COP	W/W	3.24/3.73	3.08 / 3.66	2.96 / 3.62	3.08 / 3.76
Standard current (cooling)	A	17,3	17,2	18,0	17,3
Standard input (cooling)	W	3800	3890	4060	3890
Standard current (heating)	A	15,00	14,6	14,3	14,0
Standard input (heating)	W	3300	3280	3230	3140
Rated current	A	22,0			
Rated input	W	4700,0			
Outdoor air flow	m <sup>3</sup> /h	3850,0			
Outdoor sound pressure level	dB(A)	64,0			
Outdoor sound power level	dB(A)	72,0			
Dimension (WxDxH)	mm	946x410x810			
Weight	kg	73.5			
Refrigerant charge amount, R32	kg	2,4			
Refrigerant piping (Liquid side/ Gas side)		4 x 1/4" - 3/8" + 1 x 1/4" - 1/2"			
Chargeless pipe length	m	7.5*5			
Additional charge	g/m	12,0			
Max. length for all rooms	m	80,0			
Max. length for one indoor unit	m	35,0			
Max. height difference between IDU and CDU	m	15,0			
Max. height difference between indoor units	m	10,0			
Temp range cooling	°C	-15 - 50			
Temp range heating	°C	-15 - 24			
Power supply	V-Hz-Ph	220-240V-, 50Hz, 1Ph			

\* Preliminary Data



Turn to the experts

## HI-WALL



### INDOOR UNIT - HIGH WALL 15C HP

		42QH007D8S* (NEW)	42QH009D8S* (NEW)	42QH012D8S* (NEW)	42QH018D8S* (NEW)	42QH024D8S* (NEW)
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.)	m <sup>3</sup> /h	180-460	180-460	195-530	300-800	480-1090
Weight	kg	8,0	8,0	8,7	11,2	13,6
Dimensions (WxDxH)	mm	726x210x291	726x210x291	835x208x295	969x241x320	1083x244x336
Refrigerant piping (Liquid side/Gas side)		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

		42QHB07D8S	42QHB09D8S	42QHB12D8S	42QHB18D8S	42QHB24D8S
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	22	36	60
Indoor fan motor max current	A	0,5	0,5	0,5	0,5	0,7
Sound power level	dB(A)	55	55	57	60	63
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.)	m <sup>3</sup> /h	420/310/230/150	420/310/230/150	530/470/290/170	750/510/420/330	1050/750/560/450
Weight	kg	7,3	7,3	8,2	10,8	12,9
Dimensions (WxDxH)	mm	722x187x290	722x187x290	802x189x297	965x215x319	1080x226x335
Refrigerant piping (Liquid side/Gas side)		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

\* Preliminary Data

## CONSOLE / UNDER CEILING



### INDOOR UNIT - CONSOLE

		42QZA012D8S	42QZL018D8S-1
Cooling Capacity	kW	3,52	5,28
Heating Capacity	kW	3,52	5,28
Indoor fan motor input	W	67	96
Indoor fan motor max current	A	0,60	0,94
Sound power level	dB(A)	60	61
Sound pressure level (Min. - Max.)	dB(A)	43/41/35	44/42/36
Air flow (Min. - Max.)	m <sup>3</sup> /h	530/480/360	880/760/650
Weight	kg	15,0/19,5	28,0/33,5
Dimensions (WxDxH)	mm	700x600x210	1068x675x235
Refrigerant piping (Liquid side/Gas side)		1/4"/3/8"	1/4"/1/2"
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

\* Preliminary Data

## CASSETTE



INDOOR UNIT - CASSETTE		42QTD007D8S	42QTD009D8S	42QTD012D8S	42QTD018D8S-1
Cooling Capacity	kW	2,05	2,64	3,52	5,28
Heating Capacity	kW	2,05	2,64	3,52	5,28
Indoor fan motor input	W	45	45	45	45
Indoor fan motor max current	A	0,40	0,40	0,40	0,40
Sound power level	dB(A)	58	58	59	60
Sound pressure level (high/med/low)	dB(A)	42/39/36	42/39/36	42/39/36	45/42/36
Air flow (high/med/low)	m <sup>3</sup> /h	560/430/390	560/430/390	560/430/390	680/550/400
Weight (Body)	kg	15.0	15.0	16.5	16.5
Weight (Panel)	kg	2.5	2.5	2.5	2.5
Dimensions (W×D×H)(Body)	mm	570X570X260	570X570X260	570X570X260	570X570X260
Dimensions (W×D×H)(Panel)	mm	647x647x50	647x647x50	647x647x50	647x647x50
Refrigerant piping (Liquid side/Gas side)		1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"
Power supply	V-ph-Hz	220-240V / 1Ph / 50Hz	220-240V / 1Ph / 50Hz	220-240V / 1Ph / 50Hz	220-240V / 1Ph / 50Hz

**Notes:**

- The New Model of 42QTD018D8S-1 is PCB board assembly changed
- D8S Model and D8S-1 Model can be connected with Current CDU, which model is 38QUS\*\*\*D8S2/3/4/5
- Do not have 24K IDU due to communication protocol issue

## DUCTED



INDOOR UNIT - DUCTED		42QSS007D8S	42QSS009D8S	42QSS012D8S	42QSS018D8S
Cooling Capacity	kW	2,05	2,64	3,52	5,28
Heating Capacity	kW	2,05	2,64	3,52	5,28
Indoor fan motor input	W	130	130	130	90
Indoor fan motor max current	A	1,11	1,11	1,11	1,20
Sound power level	dB(A)	60	60	60	61
Sound pressure level (high/med/low)	dB(A)	42/36/30	42/36/30	42/36/30	45/2/38/33
Air flow (high/med/low)	m <sup>3</sup> /h	580/480/300	580/480/300	580/480/300	880/650/350
External static pressure	Pa	0-30	0-30	0-30	0-100
Weight	kg	18.0	18.0	18.0	24.5
Dimensions (W×D×H)	mm	700X450X200	700X450X200	700X450X200	880X674X210
Refrigerant piping (Liquid side/Gas side)		1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
Power supply	V-ph-Hz	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

## INDOOR COMBINATION AND VARIABLE CAPACITY FOR 14K 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 18K 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 21K 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
1:3	12+12	12	12	—	3,10	3,10	—	2,01	6,20	6,83	0,56	1,91	2,17	3,24
	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 27K 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
1:3	7+7+7	7	7	7	2,43	2,43	2,43	2,77	7,30	8,69	0,76	2,26	2,91	3,23
	7+7+9	7	7	9	2,25	2,25	2,90	2,77	7,40	8,69	0,76	2,29	2,91	3,23
	7+7+12	7	7	12	2,13	2,13	3,65	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	7+7+18	7	7	18	1,73	1,73	4,44	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	7+9+9	7	9	9	2,13	2,74	2,74	2,77	7,60	8,69	0,76	2,35	2,91	3,23
	7+9+12	7	9	12	1,98	2,54	3,39	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	7+9+18	7	9	18	1,63	2,09	4,18	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	7+12+12	7	12	12	1,78	3,06	3,06	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	9+9+9	9	9	9	2,63	2,63	2,63	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	9+9+12	9	9	12	2,37	2,37	3,16	2,77	7,90	8,69	0,76	2,45	2,91	3,23
	9+12+12	9	12	12	2,15	2,87	2,87	2,77	7,90	8,69	0,76	2,45	2,91	3,23

## 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
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 28K 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	—	—	—	1,52	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
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.	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	—	—	—	1,68	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
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 36K 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 36K 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	
1:2	24	24	—	—	—	7,60	—	—	—	2,04	7,60	8,50	0,70	2,11	2,21	3,61	
	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 42K 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 A	UNIT B	UNIT C	UNIT D	UNIT D	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	
1:3	12+18	12	18	—	—	3.40	5.10	—	—	—	2.34	8.50	11.69	0.63	2.65	3.06	3.21	
	12+24	12	24	—	—	3.33	6.67	—	—	—	2.34	10.00	12.30	0.63	3.12	3.35	3.21	
	18+18	18	18	—	—	5.25	5.25	—	—	—	2.34	10.50	12.30	0.63	3.27	3.35	3.21	
	7+7+7	7	7	7	—	2.00	2.00	2.00	—	—	2.89	6.00	7.38	0.78	1.85	2.98	3.25	
	7+7+9	7	7	9	—	1.98	1.98	2.54	—	—	2.89	6.50	8.61	0.78	2.00	3.17	3.25	
	7+7+12	7	7	12	—	2.02	2.02	3.46	—	—	2.89	7.50	9.23	0.78	2.31	3.35	3.25	
	7+7+18	7	7	18	—	1.97	1.97	5.06	—	—	2.89	9.00	11.07	0.78	2.78	3.54	3.24	
	7+7+24	7	7	24	—	2.03	2.03	6.95	—	—	2.89	11.00	12.92	0.78	3.42	3.73	3.22	
	7+9+9	7	9	9	—	1.96	2.52	2.52	—	—	2.89	7.00	9.23	0.78	2.15	3.28	3.25	
	7+9+12	7	9	12	—	2.00	2.57	3.43	—	—	2.89	8.00	10.46	0.78	2.46	3.43	3.25	
	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	
	1:4	7+18+18	7	18	18	—	1.87	4.81	4.81	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22
9+9+9		9	9	9	—	2.67	2.67	2.67	—	—	2.89	8.00	10.46	0.78	2.46	3.73	3.25	
9+9+12		9	9	12	—	2.70	2.70	3.60	—	—	2.89	9.00	12.92	0.78	2.78	3.54	3.24	
9+9+18		9	9	18	—	2.63	2.63	5.25	—	—	2.89	10.50	12.30	0.78	3.26	3.73	3.22	
9+9+24		9	9	24	—	2.46	2.46	6.57	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22	
9+12+12		9	12	12	—	2.45	3.27	3.27	—	—	2.89	9.00	11.07	0.78	2.78	3.54	3.24	
9+12+18		9	12	18	—	2.54	3.38	5.08	—	—	2.89	11.00	11.69	0.78	3.42	3.73	3.22	
9+12+24		9	12	24	—	2.30	3.07	6.13	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22	
9+18+18		9	18	18	—	2.40	4.80	4.80	—	—	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
12+12+12		12	12	12	—	3.17	3.17	3.17	—	—	2.89	9.50	11.07	0.78	2.93	3.65	3.24	
12+12+18		12	12	18	—	3.29	3.29	4.93	—	—	2.89	11.50	12.92	0.78	3.57	3.88	3.22	
12+12+24		12	12	24	—	3.00	3.00	6.00	—	—	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
12+18+18		12	18	18	—	3.00	4.50	4.50	—	—	2.89	12.00	12.92	0.78	3.74	3.88	3.21	
7+7+7+7		7	7	7	7	—	2.00	2.00	2.00	2.00	—	3.69	8.00	10.50	0.89	2.45	3.35	3.26
7+7+7+9		7	7	7	9	—	1.98	1.98	1.98	2.55	—	3.69	8.50	11.07	0.89	2.61	3.54	3.26
7+7+7+12		7	7	7	12	—	2.02	2.02	2.02	3.45	—	3.69	9.50	11.69	0.89	2.92	3.65	3.25
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</										

# INDOOR COMBINATION AND VARIABLE CAPACITY FOR 42K 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 A	UNIT B	UNIT C	UNIT D	UNIT D	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	
1:3	7+7+7	7	7	7	—	2.50	2.50	2.50	—	—	2.89	7.50	8.61	0.71	2.05	2.70	3.65	
	7+7+9	7	7	9	—	2.37	2.37	3.05	—	—	2.89	7.80	9.23	0.71	2.14	2.86	3.65	
	7+7+12	7	7	12	—	2.29	2.29	3.92	—	—	2.89	8.50	9.84	0.71	2.33	3.03	3.65	
	7+7+18	7	7	18	—	2.52	2.52	6.47	—	—	2.89	11.50	12.30	0.71	3.16	3.20	3.64	
	7+7+24	7	7	24	—	2.21	2.21	7.58	—	—	2.89	12.00	12.92	0.71	3.31	3.37	3.62	
	7+9+9	7	9	9	—	2.38	3.06	3.06	—	—	2.89	8.50	9.84	0.71	2.33	2.97	3.65	
	7+9+12	7	9	12	—	2.50	3.21	4.29	—	—	2.89	10.00	12.30	0.71	2.74	3.10	3.65	
	7+9+18	7	9	18	—	2.37	3.04	6.09	—	—	2.89	11.50	12.30	0.71	3.16	3.30	3.64	
	7+9+24	7	9	24	—	2.10	2.70	7.20	—	—	2.89	12.00	12.92	0.71	3.31	3.50	3.62	
	7+12+12	7	12	12	—	2.48	4.26	4.26	—	—	2.89	11.00	12.30	0.71	3.01	3.20	3.65	
	7+12+18	7	12	18	—	2.18	3.73	5.59	—	—	2.89	11.50	12.30	0.71	3.17	3.37	3.63	
	7+12+24	7	12	24	—	1.95	3.35	6.70	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	7+18+18	7	18	18	—	1.95	5.02	5.02	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	9+9+9	9	9	9	—	3.33	3.33	3.33	—	—	2.89	10.00	12.30	0.71	2.74	3.37	3.65	
	9+9+12	9	9	12	—	3.30	3.30	4.40	—	—	2.89	11.00	12.30	0.71	3.01	3.20	3.65	
	9+9+18	9	9	18	—	2.88	2.88	5.75	—	—	2.89	11.50	12.30	0.71	3.17	3.37	3.63	
	9+9+24	9	9	24	—	2.57	2.57	6.86	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	9+12+12	9	12	12	—	3.14	4.18	4.18	—	—	2.89	11.50	12.30	0.71	3.16	3.20	3.64	
	9+12+18	9	12	18	—	2.77	3.69	5.54	—	—	2.89	12.00	12.92	0.71	3.31	3.37	3.62	
	9+12+24	9	12	24	—	2.40	3.20	6.40	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	9+18+18	9	18	18	—	2.40	4.80	4.80	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	12+12+12	12	12	12	—	3.83	3.83	3.83	—	—	2.89	11.50	12.30	0.71	3.16	3.30	3.64	
	12+12+18	12	12	18	—	3.43	3.43	5.14	—	—	2.89	12.00	12.92	0.71	3.31	3.50	3.62	
	12+12+24	12	12	24	—	3.00	3.00	6.00	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	12+18+18	12	18	18	—	3.00	4.50	4.50	—	—	2.89	12.00	12.92	0.71	3.32	3.50	3.61	
	1:4	7+7+7+7	7	7	7	7	2.50	2.50	2.50	2.50	—	3.69	10.00	12.67	0.81	2.74	3.03	3.65
7+7+7+9		7	7	7	9	2.57	2.57	2.57	3.30	—	3.69	11.00	12.92	0.81	3.01	3.20	3.65	
7+7+7+12		7	7	7	12	2.50	2.50	2.50	4.29	—	3.69	11.80	13.53	0.81	3.23	3.30	3.65	
7+7+7+18		7	7	7	18	2.15	2.15	2.15	5.54	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
7+7+7+24		7	7	7	24	1.91	1.91	1.91	6.56	—	3.69	12.30	13.53	0.81	3.40	3.88	3.62	
7+7+9+9		7	7	9	9	2.63	2.63	3.38	3.38	—	3.69	12.00	13.53	0.81	3.29	3.30	3.65	
7+7+9+12		7	7	9	12	2.40	2.40	3.09	4.11	—	3.69	12.00	13.53	0.81	3.29	3.71	3.65	
7+7+9+18		7	7	9	18	2.05	2.05	2.63	5.27	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
7+7+9+24		7	7	9	24	1.83	1.83	2.36	6.28	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61	
7+7+12+12		7	7	12	12	2.21	2.21	3.79	3.79	—	3.69	12.00	13.53	0.81	3.30	3.71	3.64	
7+7+12+18		7	7	12	18	1.91	1.91	3.27	4.91	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
7+7+12+24		7	7	12	24	1.72	1.72	2.95	5.90	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61	
7+7+18+18		7	7	18	18	1.68	1.68	4.32	4.32	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61	
7+9+9+9		7	9	9	9	2.47	3.18	3.18	3.18	—	3.69	12.00	13.53	0.81	3.29	3.71	3.65	
7+9+9+12		7	9	9	12	2.27	2.92	2.92	3.89	—	3.69	12.00	13.53	0.81	3.30	3.71	3.64	
7+9+9+18		7	9	9	18	1.95	2.51	2.51	5.02	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
7+9+9+24		7	9	9	24	1.76	2.26	2.26	6.02	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61	
7+9+12+12		7	9	12	12	2.10	2.70	3.60	3.60	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
7+9+12+18		7	9	12	18	1.83	2.35	3.13	4.70	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61	
7+9+12+24		7	9	12	24	1.66	2.13	2.84	5.68	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61	
7+9+18+18		7	9	18	18	1.62	2.08	4.15	4.15	—	3.69	12.00	13.53	0.81	3.31	3.88	3.62	
7+12+12+12		7	12	12	12	1.95	3.35	3.35	3.35	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
7+12+12+18		7	12	12	18	1.71	2.94	2.94	4.41	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61	
9+9+9+9		9	9	9	9	3.00	3.00	3.00	3.00	—	3.69	12.00	13.53	0.81	3.30	3.71	3.64	
9+9+9+12		9	9	9	12	2.77	2.77	2.77	3.69	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
9+9+9+18		9	9	9	18	2.40	2.40	2.40	4.80	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61	
9+9+9+24		9	9	9	24	2.17	2.17	2.17	5.79	—	3.69	12.30	13.53	0.81	3.41	3.88	3.61	
9+9+12+12		9	9	12	12	2.57	2.57	3.43	3.43	—	3.69	12.00	13.53	0.81	3.31	3.71	3.63	
9+9+12+18		9	9	12	18	2.25	2.25	3.00	4.50	—	3.69	12.00	13.53	0.81	3.32	3.88	3.61	
9+9+12+24		9	9	12	24	2.05	2.05	2.73	5.47	—	3.69	12.30	13.53	0.81	3.40	3.88	3.62	
9+12+12+12		9	12	12	12	2.40	3.20	3.20	3.20									

# PD PORTABLE



New, more environmentally friendly refrigerant R290



Ionizer



Easy to Carry







**An alternative air-conditioning  
solution for houses and small offices  
with limited space availability**

## 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



Ionizer



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 (WxDxH)  
Weight  
Compressor Type  
Power supply

	51QPD12N7S	
<b>kW</b>		<b>3,5</b>
W		1350
A		5,9
W/W		2,6
		A
<b>kW</b>		<b>2,9</b>
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

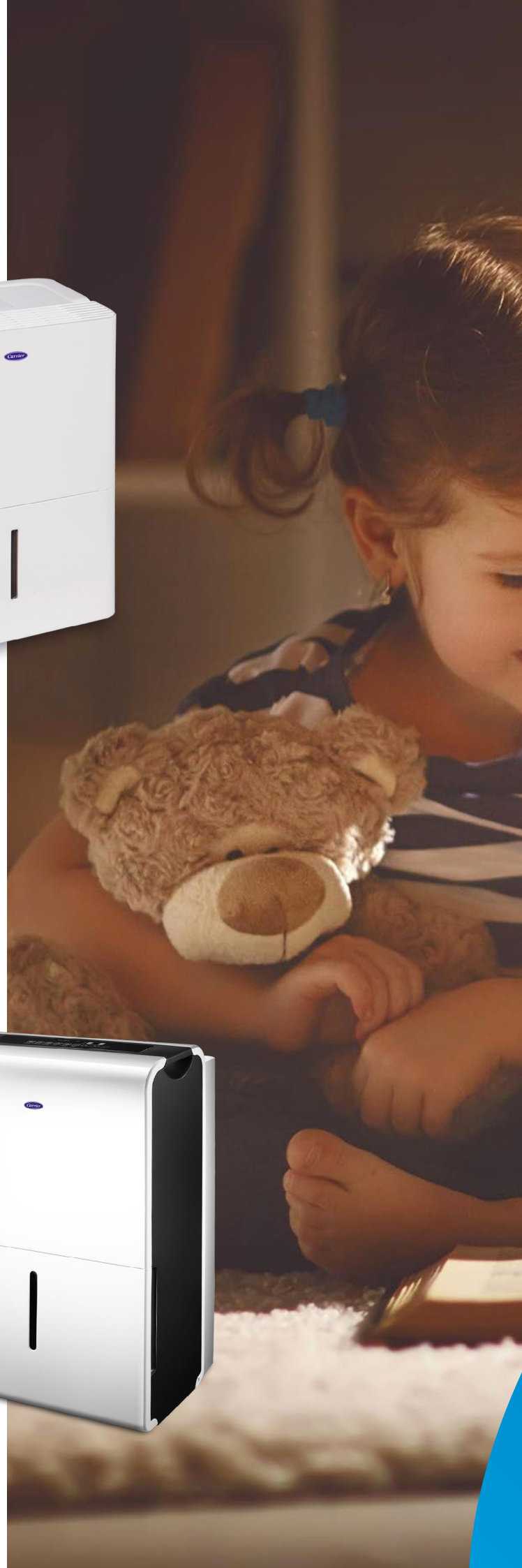
\* Preliminary Data



Turn to the experts

# DEHUMIDIFIERS SERIES

## NextGen



New, more environmentally friendly refrigerant R290



**Enhance your comfort,  
enjoy a cleaner and  
healthier atmosphere**

## DEHUMIDIFIERS SERIES

# NextGen



## FEATURES



### NEW REFRIGERANT R290

More environmentally friendly.



### PRE-FILTERS

Capture and remove large particles, dust and hairs of pets floating in the air.



### HEPA FILTER: (High Efficiency Particulate Air) *for models 16 & 20 lt*

Highly efficient at containing solid pollutants and airborne particles such as dust, pollen and other atmospheric pollutants. It collects and traps even the very small particles, ensuring a cleaner and healthier atmosphere for you and your loved ones.



### AUTOMATIC RESTART

Keeping the previous settings after a power failure.



### AUTOMATIC DEFROST

Ice evaporator protection system.



### OVERFLOW PROTECTION

When the condensate tank is full, the dehumidifier will automatically switch off.



### ILLUMINATED INTERACTIVE DISPLAY

For easy operation and digital display of key functions.



### LARGE RELATIVE HUMIDITY ADJUSTMENT RANGE (% RH)

From 35% to 85%, ensuring ideal conditions no matter how small or big the dehumidification need of the area is.



### WI-FI ACTIVATED *(for models 16, 20, 30 & 50 lt)*

With built-in Wi-Fi Stick, the user can operate the device remotely via the Internet. To use this feature the user must install our mobile app, which is freely available for iOS and Android.

## TECHNICAL CHARACTERISTICS

MODEL		CDN-10Q7	CDN-12Q7
Moisture removal (30°C/80%)	L/day	10	12
Application area	m <sup>2</sup>	31	35
Refrigerant type		R290	R290
Water tank volume	L	2,1	2,1
Air flow (Hi/Mi/Lo)	m <sup>3</sup> /h	107/-/-	118/-/-
Sound pressure level (Hi/Mi/Lo)	dB(A)	44.5/-/-	45.5/-/-
Rated input	W	230	250
Rated current	A	1,40	1,50
Ambient temp	°C	5-32	5-32
RH Range manual	% RH	35%-85%	35%-85%
Dimension (W*D*H)	mm	320x215x420	320x215x420
Weight	kg	11.0	11.5
Control type		Electronic Control	Electronic Control
Power supply	V-Hz-Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph



NEXTGEN I

MODEL		CDF2-16Q7	CDF2-20Q7
Moisture removal (30°C/80%)	L/day	16	20
Application area	m <sup>2</sup>	48	52
Refrigerant type		R290	R290
Water tank volume	L	3	3
Air flow (Hi/Mi/Lo)	m <sup>3</sup> /h	166/135/108	166/135/108
Sound pressure level (Hi/Mi/Lo)	dB(A)	45.5/43.0/41	45.5/43.0/41
Rated input	W	320	360
Rated current	A	1,80	2,10
Ambient temp	°C	5-32	5-32
RH Range manual	% RH	35%-85%	35%-85%
Dimension (W*D*H)	mm	350x245x510	350x245x510
Weight	kg	15.0	15.0
Control type		Electronic Control	Electronic Control
Power supply	V-Hz-Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph



NEXTGEN II

MODEL		CDP-30Q7	CDP-50Q7
Moisture removal (30°C/80%)	L/day	30	50
Application area	m <sup>2</sup>	73	116
Refrigerant type		R290	R290
Water tank volume	L	3	6
Air flow (Hi/Mi/Lo)	m <sup>3</sup> /h	191/-/166	353/-/319
Sound pressure level (Hi/Mi/Lo)	dB(A)	50/-/48.5	49.5/-/48
Rated input	W	550	850
Rated current	A	2,90	3,70
Ambient temp	°C	5-32	5-32
RH Range manual	% RH	35%-85%	35%-85%
Dimension (W*D*H)	mm	386x260x500	392x282x616
Weight	kg	17.0	19.0
Control type		Electronic Control	Electronic Control
Power supply	V-Hz-Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph



NEXTGEN III



Turn to the experts

# AIR PURIFIERS

## Novel Pioneering Air







**Breathe fresh,  
improve the quality  
of the indoor air**

## AIR PURIFIERS

# Novel Pioneering Air



The first thing that comes to our mind while thinking of air pollution is smog and car emissions. This is called outdoor air pollution. But indoor air pollution is more dangerous as the air is more concentrated in closed spaces. Indoor air pollution occurs when pollutants like dust particles and gases contaminate the air of indoor areas. These air pollutants can cause respiratory diseases. Removing the air pollutants can improve the quality of your indoor air.

The new series Novel & Pioneering Air Carrier's air purifier improve the quality of your indoor air and make the environment pure and safe.

## FEATURES



### PRE-FILTERS

Capture and remove large particles, dust and hairs of pets floating in the air.



### HEPA FILTER

Highly efficient at containing solid pollutants and airborne particles such as dust, pollen and other atmospheric pollutants.



### AROMATHERAPY KIT (Novel Air series)



### IONIZER

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



### ACTIVATED CARBON FILTER (Pioneering series)

Eliminate unpleasant odors so your indoor air remains fresh.



### TIMER

1-8 hours timing.

## TECHNICAL CHARACTERISTICS

### MODEL

		CAFN012LA1
Application area	m <sup>2</sup>	14
Power	W	27
CADR	m <sup>3</sup> /h	120
Noise level (H/M/L)	dB(A)	25/32/40
Motor type		AC
Fan speed		1-2-3-4
Filters stage		2
Temperature & RH display		NO
Air quality indicator		Color display
Touch operation		YES
Dimensions (W*D*H)	mm	225x225x310
Weight	kg	2,5
Power supply	V-Hz-Ph	220 v / 50 -60Hz



NOVEL AIR

### MODEL

		CAFN026LC1	CAFN036LC1	CAFN051LC1
Application area	m <sup>2</sup>	14-25	28-48	42-73
Power	W	20	32	62
CADR	m <sup>3</sup> /h	210	410	610
Noise level (H/M/L)	dB(A)	25/32/42	25/35/54	25/35/58
Motor type		DC	DC	DC
Fan speed		1-2-3-4	1-2-3-4	1-2-3-4
Filters stage		4	6	6
Temperature & RH display		YES	YES	YES
Air quality indicator		PM2.5 digital display	PM2.5 digital display	PM2.5 digital display
Touch operation		YES	YES	YES
Dimensions (W*D*H)	mm	346x173x526	410x210x628	460x230x710
Weight	kg	5,2	7,2	9,7
Power supply	V-Hz-Ph	220 v / 50 -60Hz	220 v / 50 -60Hz	220 v / 50 -60Hz



PIONEERING AIR



Turn to the experts



Turn to the experts

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