

# RESIDENTIAL PRODUCTS

CATALOGUE 2020 - 2021



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



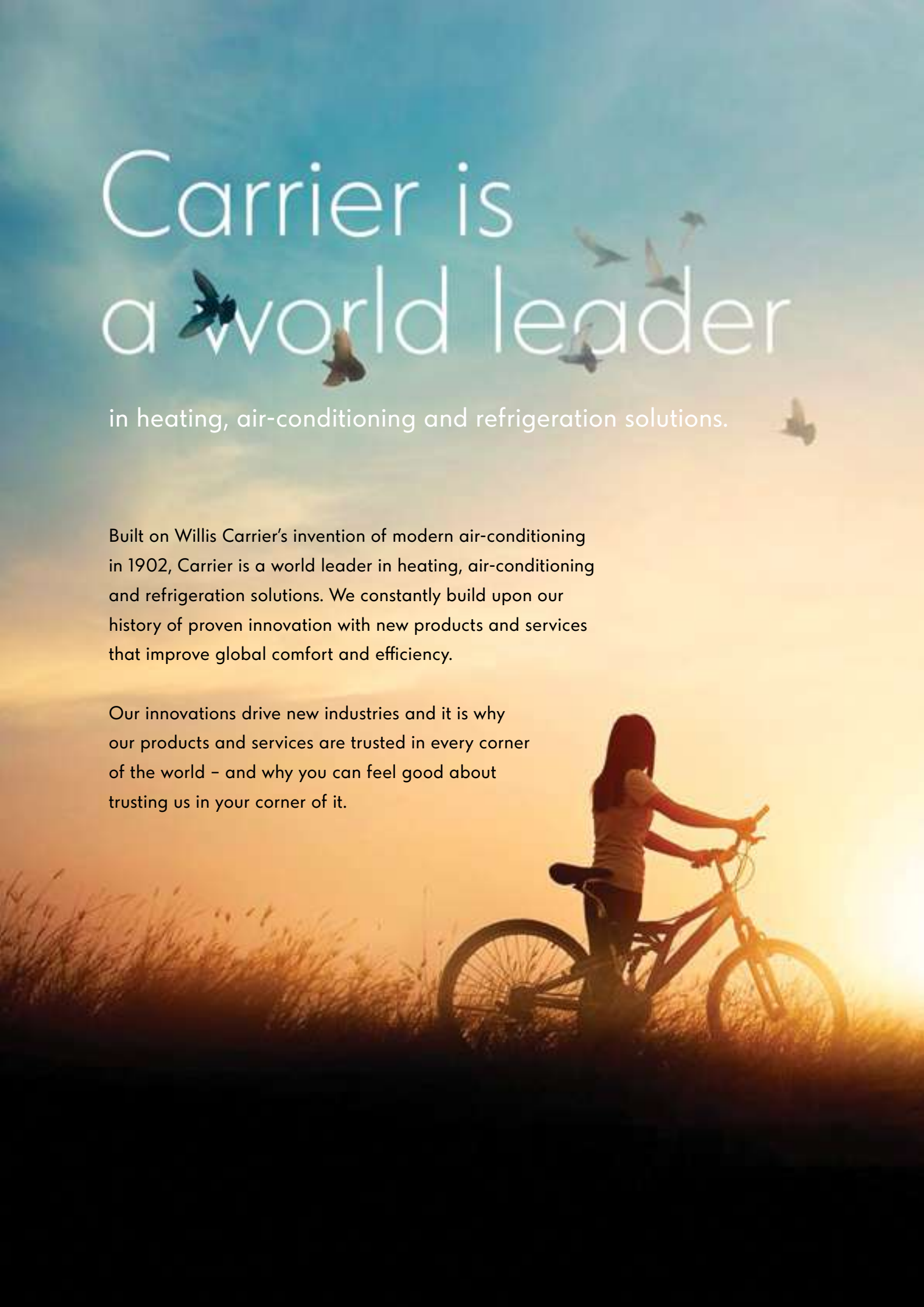
Turn to the experts



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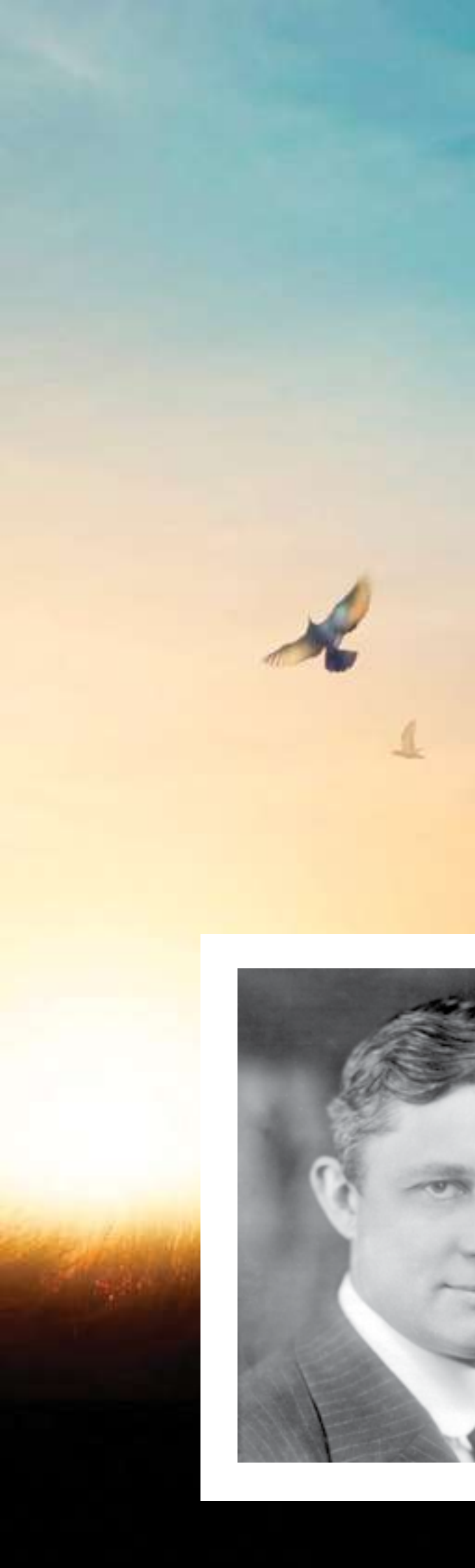
# Carrier is a world leader

A person 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 person.

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.

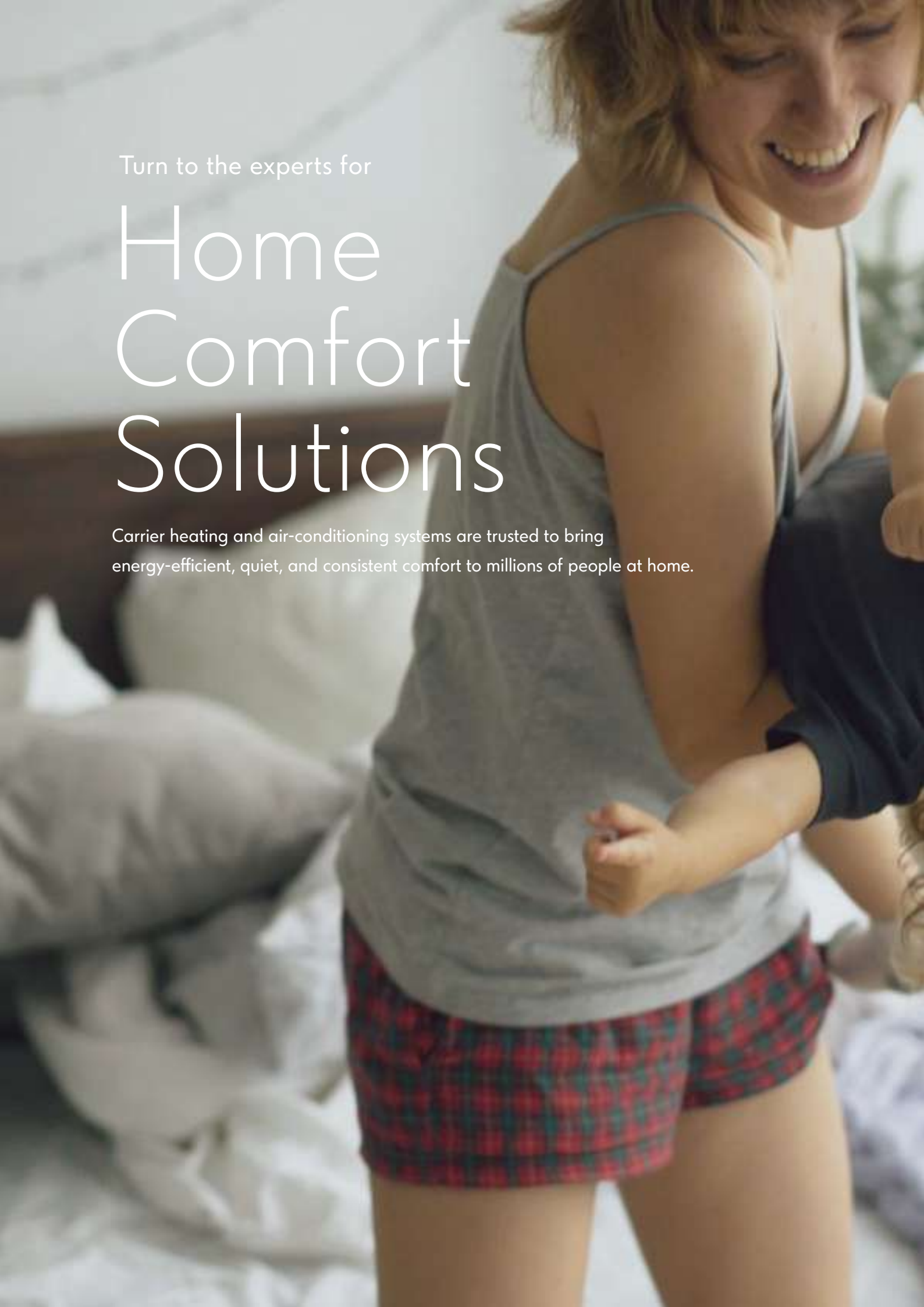
We create comfortable and productive environments, regardless of the climate. We safeguard the global food supply by preserving the quality and freshness of food and beverages.

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 woman with curly hair, wearing a grey tank top and red plaid shorts, is smiling and holding a baby wrapped in a dark blue blanket. She is standing in a bedroom with a bed and pillows in the background.

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!



## ENVIROMENTAL FRIENDLY PRODUCTS

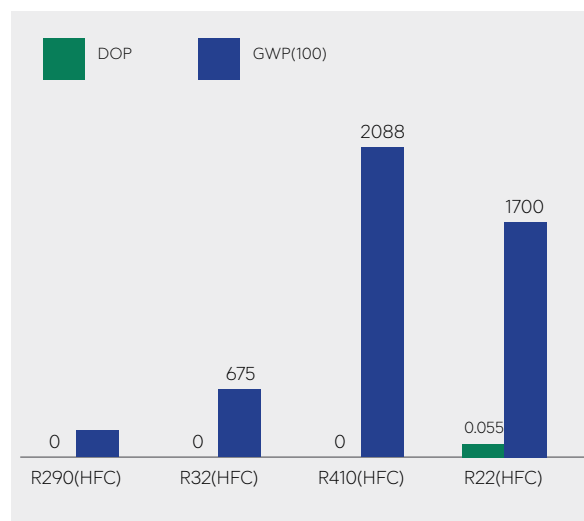
A **Refrigerant** is a fluid/gas/liquid that is employed in the Air Conditioning systems and Refrigerators. Without refrigerant, Air Conditioners, Refrigerators or any other freezing technology will not be possible. Looking for more environmental friendly efrigerants with low Global Warming Potential 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 R-410A.



# Advanced Technology

## WIDE-RANGE AMBIENT OPERATION FOR COOLING

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

- **Fastest: air-outlet temperature** reaching 23°C within 40s
- **Coollest: 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

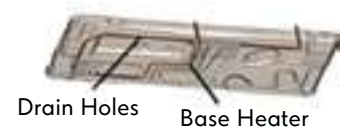
Like a runner sprinting to the line, this tech enables the compressor to achieve maximum frequency in split of the moment (65Hz within 6s) upon start up, providing you powerful cooling/heating once the air-conditioner is on.



## 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

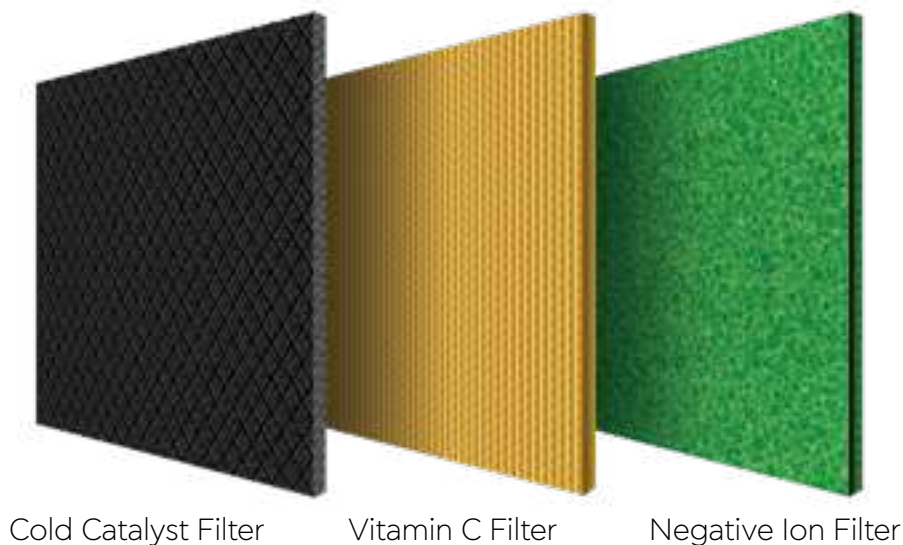
Smoke, dust, smog and other pollutants affect indoor air quality and as a consequence affects our health, comfort and well-being. Indoor air quality (IAQ) is very important as experts estimate that indoor air pollution is two to five times worse than outdoor pollution. Carrier incorporates the most advanced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

### PRE-FILTER

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

### 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 absorb smaller particles, pollen, and have 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.



### 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



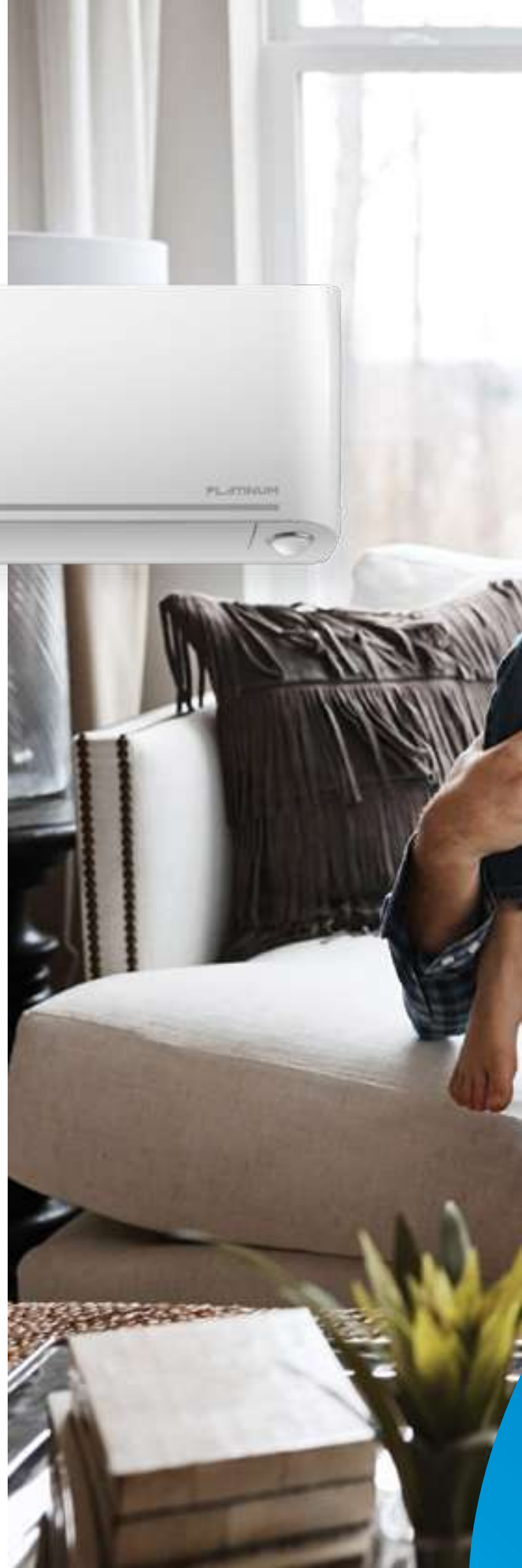
Intelligent Eye



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°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



Golden Fin



Remote Control Bright Screen



Cold Catalyst Filter



Vitamin C Filter



Negative Ion Filter (Ionizer Filter)



Follow Me



Sleep Mode



ECO



Turbo



Louver Function/ Horizontally



Timer



Dry Mode



Quiet Mode



Self Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Low Ambient



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By

## TECHNICAL CHARACTERISTICS

### 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     |
| m³/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          |
| m³/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

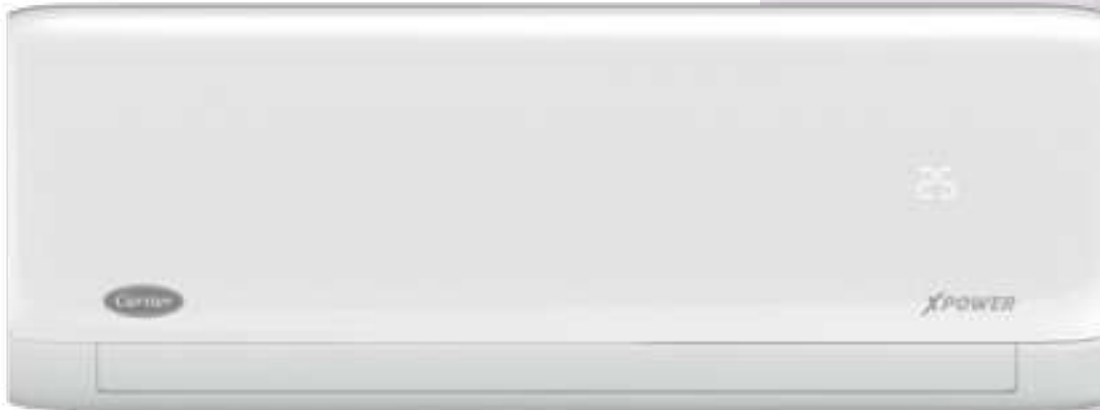
\* Preliminary Data



Turn to the experts

## INVERTER HI-WALL

# XPOWER



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



Base Pan Heater

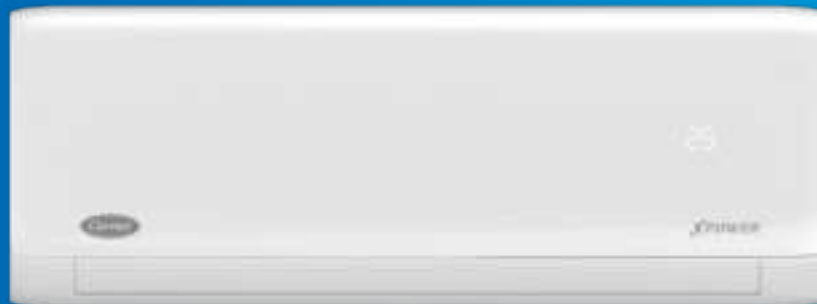


X-ECO Mode  
as little as 1.2kWh per night(9K)



**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



Golden Fin



Gear Operation



Fan Blades



9 Grades of Outdoor Fan Speed



Base Pan Heater



Low Ambient Cooling/Heating



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

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### SYSTEM

#### Cooling capacity

#### Heating capacity

Temp range cooling

Temp range heating

SEER / SCOP (warmer) / SCOP (average)

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

|       | 38QHG/42QHG009D8SH      | 38QHG/42QHG012D8SH      |
|-------|-------------------------|-------------------------|
| kW    | 2.64 (1.03-3.22)        | 3.36(1.38-4.31)         |
| BTU/h | 9.015 (3.414 - 13.990)  | 12.015 (3.414 - 16.035) |
| kW    | 2.85 (0.82-3.37)        | 3.81(1.07-4.38)         |
| BTU/h | 14.340 (2.730 - 17.400) | 14.340 (2.730 - 21.495) |
| °C    | -15-50                  | -15-50                  |
| °C    | -15-24                  | -15-24                  |
| W/W   | 8.5 / 5.4 / 4.2         | 8.5 / 5.8 / 4.3         |
|       | A+++ / A+++ / A+        | A+++ / A+++ / A+        |
| kWh   | 109 / 648 / 867         | 138 / 628 / 846         |
| A     | 2,90                    | 3,80                    |
| W     | 660                     | 860                     |
| A     | 3,10                    | 4,40                    |
| W     | 700                     | 1000                    |
| kg    | 0,62                    | 0,62                    |
|       | 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~, 50Hz         | 220-240V~, 50Hz         |

### INDOOR UNIT

#### 42QHG009D8SH

#### 42QHG012D8SH

Sound power level

Sound pressure level (Max. - Min.)

Air flow (Max. - Min.)

Weight

Dimensions (W×D×H)

|       |                 |                 |
|-------|-----------------|-----------------|
| dB(A) | 57              | 60              |
| dB(A) | 37/32/29/21     | 38/33/28/21     |
| m³/h  | 510/360/300/160 | 520/370/310/170 |
| kg    | 8.7             | 8.7             |
| mm    | 835×208×295     | 835×208×295     |

### OUTDOOR UNIT

#### 38QHG009D8SH

#### 38QHG012D8SH

Sound power level

Sound pressure level

Airflow

Weight

Dimensions (W×D×H)

|       |             |             |
|-------|-------------|-------------|
| dB(A) | 61          | 65          |
| dB(A) | 54          | 55          |
| m³/h  | 2150        | 2200        |
| kg    | 26.2        | 26.4        |
| mm    | 765×303×555 | 765×303×555 |

Notes:

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

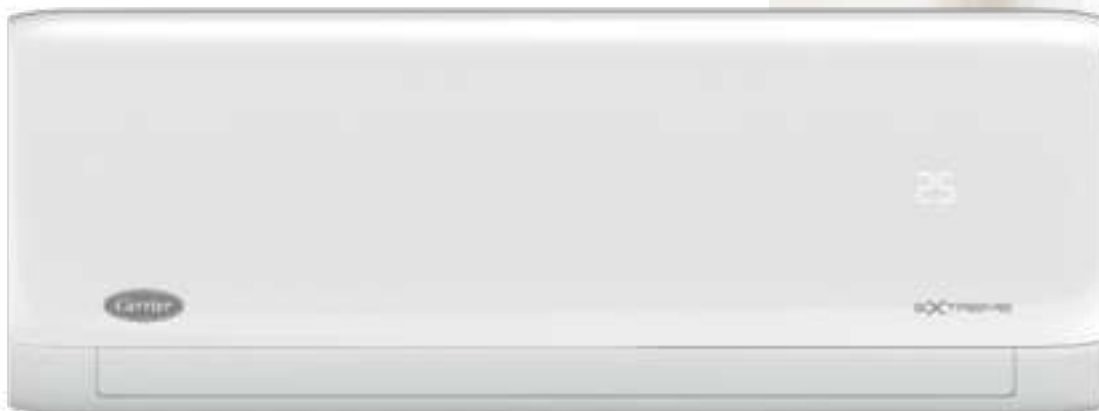
\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## EXTREME



Gear Operation



Green Fin\*



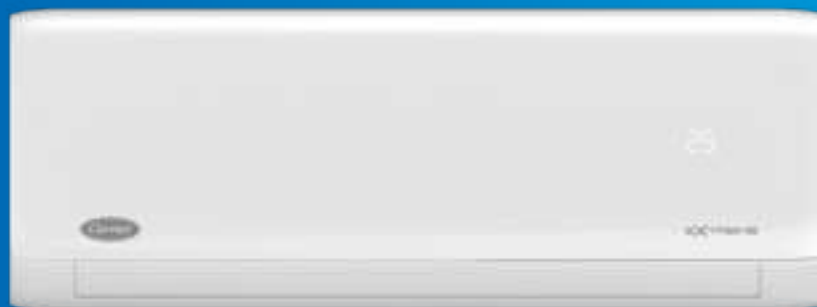
1% - 100% Stepless Comfort

\*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                         |  | Turbo                            |
|  | Golden Fin                           |  | Wind Avoid Me (Breeze Away)      |
|  | Green Fin (at sizes 9 & 12)          |  | Timer                            |
|  | Gear Operation                       |  | Dry Mode                         |
|  | Fan Blades                           |  | Quiet Mode                       |
|  | 9 Grades of Outdoor Fan Speed        |  | Active Clean                     |
|  | Base Pan Heater                      |  | Auto Diagnosis & Self Protection |
|  | Low Ambient Heating/Cooling          |  | Auto Defrosting                  |
|  | Pre Filter                           |  | Auto Restart                     |
|  | Cold Catalyst Filter                 |  | Electrical Voltage Protection    |
|  | Vitamin C Filter                     |  | Memorize                         |
|  | Negative Ion Filter (Ionizer Filter) |  | Remote Control Locking           |
|  | Follow Me                            |  | Refrigerant Leakage Detection    |
|  | Sleep Mode                           |  | 1W Stand By                      |
|  | ECO                                  |                                                                                     |                                  |

## TECHNICAL CHARACTERISTICS

### SYSTEM

#### Cooling capacity

#### Heating capacity

Heating capacity at -7°C

Heating capacity at -15°C

Heating capacity at -20°C

Temp range cooling

Temp range heating

SEER / SCOP (warmer) / SCOP (average)

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

|       | 38QHG/42QHG009D8SX     | 38QHG/42QHG012D8SX      | 38QHG/42QHG018D8SX      | 38QHG/42QHG024D8SX      |
|-------|------------------------|-------------------------|-------------------------|-------------------------|
| 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) |
| 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) |
| kW    | 2,50                   | 2,70                    | 4,30                    | 5,80                    |
| kW    | 2,00                   | 2,10                    | 3,50                    | 5,50                    |
| kW    | 1,65                   | 1,70                    | 2,50                    | 4,50                    |
| °C    | -15-50                 | -15-50                  | -15-50                  | -15-50                  |
| °C    | -15-24                 | -15-24                  | -15-24                  | -15-24                  |
| 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         |
|       | A++ / A+++ / A+        | A++ / A+++ / A+         | A++ / A+++ / A+         | A++ / A+++ / A+         |
| kWh   | 130 / 660 / 854        | 182 / 636 / 833         | 264 / 1235 / 1435       | 379 / 1757 / 1820       |
| A     | 3,50                   | 5,00                    | 6,80                    | 10,90                   |
| W     | 765                    | 1130                    | 1550                    | 2500                    |
| A     | 3,40                   | 4,60                    | 7,40                    | 9,60                    |
| W     | 760                    | 1050                    | 1700                    | 2200                    |
| kg    | 0,60                   | 0,65                    | 1,10                    | 1,45                    |
|       | 1/4" - 3/8"            | 1/4" - 3/8"             | 1/4" - 1/2"             | 3/8" - 5/8"             |
| m     | 5                      | 5                       | 5                       | 5                       |
| m     | 3                      | 3                       | 3                       | 3                       |
| m     | 25                     | 25                      | 30                      | 30                      |
| m     | 10                     | 10                      | 20                      | 20                      |
| g/m   | 12                     | 12                      | 12                      | 24                      |
|       | 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

Sound pressure level (Max. - Min.)

Air flow (Max. - Min.)

Weight

Dimensions (W×D×H)

|       |                 |                 |                 |                  |
|-------|-----------------|-----------------|-----------------|------------------|
| dB(A) | 56              | 56              | 58              | 63               |
| dB(A) | 37/32/28/20     | 37/32/28/20     | 41/35/28/21     | 47/41/35/22      |
| m³/h  | 460/330/260/180 | 530/400/350/195 | 800/600/500/300 | 1090/770/610/480 |
| kg    | 8.0             | 8.7             | 11.2            | 13.6             |
| mm    | 726×210×291     | 835×208×295     | 969×241×320     | 1083×244×336     |

### OUTDOOR UNIT

#### 38QHG009D8SX

#### 38QHG012D8SX

#### 38QHG018D8SX

#### 38QHG024D8SX

Sound power level

Sound pressure level

Airflow

Weight

Dimensions (W×D×H)

|       |             |             |             |             |
|-------|-------------|-------------|-------------|-------------|
| dB(A) | 63          | 64          | 65          | 69          |
| dB(A) | 55,5        | 56          | 57          | 60          |
| m³/h  | 1750        | 1800        | 2100        | 3500        |
| kg    | 23.5        | 23.7        | 33.5        | 43.9        |
| 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

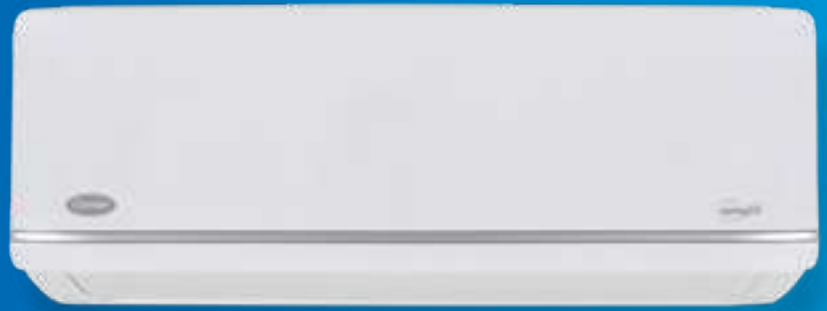


Interactive Display



**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



Golden Fin



Remote Control Bright Screen



Cold Catalyst Filter



Vitamin C Filter



Negative Ion Filter (Ionizer Filter)



Follow Me



Sleep Mode



ECO



Turbo



Louver Function/ Horizontally



Timer



Dry Mode



Quiet Mode



Self Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Low Ambient



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By

## TECHNICAL CHARACTERISTICS

### SYSTEM

#### Cooling capacity

#### Heating capacity

Heating capacity at -7°C

Heating capacity at -15°C

Heating capacity at -20°C

Temp range cooling

Temp range heating

SEER / SCOP (warmer) / SCOP (average)

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

|       | 38QHB/42QHB09D8SW       | 38QHB/42QHB12D8SW        | 38QHB/42QHB18D8SW       | 38QHB/42QHB24D8SW       |
|-------|-------------------------|--------------------------|-------------------------|-------------------------|
| 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 - 13.990)  | 12.017 ( 3.414 - 13.998) | 18.025 (8.195 - 20.825) | 24.035 (7.170 - 27.995) |
| 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) |
| kW    | 2,9                     | 3,0                      | 3,7                     | 6,3                     |
| kW    | 2,3                     | 2,4                      | 3,1                     | 5,7                     |
| kW    | 2,0                     | 2,0                      | 2,7                     | 4,9                     |
| °C    | -15-46                  | -15-46                   | -15-46                  | -15-46                  |
| °C    | -15-24                  | -15-24                   | -15-24                  | -15-24                  |
| 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         |
|       | A++ / A+++ / A+         | A++ / A+++ / A+          | A++ / A+++ / A+         | A++ / A+++ / A+         |
| kWh   | 130 / 824 / 875         | 181 / 851 / 945          | 289 / 1400 / 1365       | 385 / 1730 / 1785       |
| A     | 3,30                    | 5,30                     | 7,30                    | 10,30                   |
| W     | 740                     | 1200                     | 1630                    | 2320                    |
| A     | 3,20                    | 4,80                     | 6,60                    | 9,70                    |
| W     | 720                     | 1100                     | 1480                    | 2200                    |
| kg    | 0,70                    | 0,80                     | 1,25                    | 1,60                    |
|       | 1/4" - 3/8"             | 1/4" - 3/8"              | 1/4" - 1/2"             | 3/8" - 5/8"             |
| m     | 5                       | 5                        | 5                       | 5                       |
| m     | 3                       | 3                        | 3                       | 3                       |
| m     | 25                      | 25                       | 30                      | 40                      |
| m     | 10                      | 10                       | 20                      | 20                      |
| g/m   | 12                      | 12                       | 12                      | 24                      |
|       | 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

Sound pressure level (Max. - Min.)

Air flow (Max. - Min.)

Weight

Dimensions (W×D×H)

|       |                 |                 |                 |                  |
|-------|-----------------|-----------------|-----------------|------------------|
| dB(A) | 55              | 57              | 60              | 63               |
| dB(A) | 38/31/23/20     | 39/32/23/21     | 42/33/27/21     | 46/40/30/26      |
| m³/h  | 420/310/230/150 | 530/470/290/170 | 750/510/420/330 | 1050/750/560/450 |
| kg    | 7.3             | 8.2             | 10.8            | 12.9             |
| mm    | 722×187×290     | 802×189×297     | 965×215×319     | 1080×226×335     |

### OUTDOOR UNIT

#### 38QHB09D8S

#### 38QHB12D8S

#### 38QHB18D8S

#### 38QHB24D8S

Sound power level

Sound pressure level

Airflow

Weight

Dimensions (W×D×H)

|       |             |             |             |             |
|-------|-------------|-------------|-------------|-------------|
| dB(A) | 61          | 62          | 65          | 68          |
| dB(A) | 56          | 56          | 57          | 59          |
| m³/h  | 1900        | 1900        | 2100        | 2700        |
| kg    | 27.0        | 27.0        | 37.0        | 50.0        |
| mm    | 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

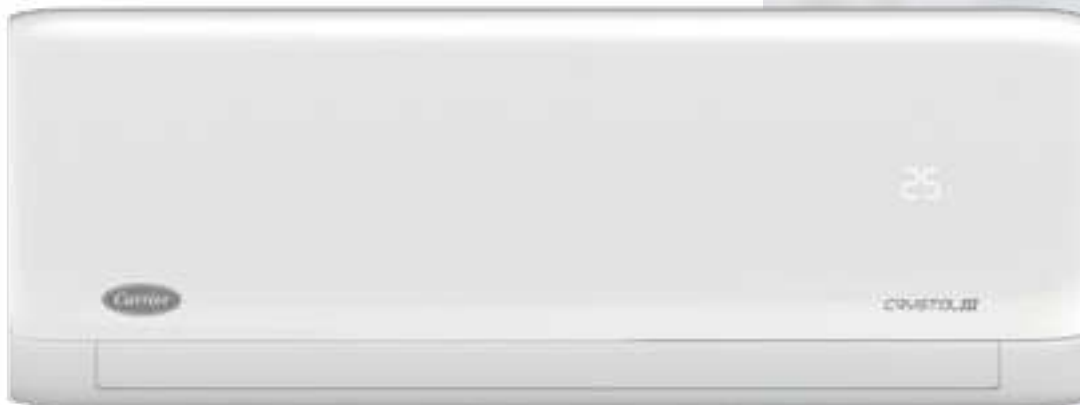
\* Preliminary Data



Turn to the experts

# INVERTER HI-WALL

## CRYSTAL III



Golden Fin Protection



1W Standby

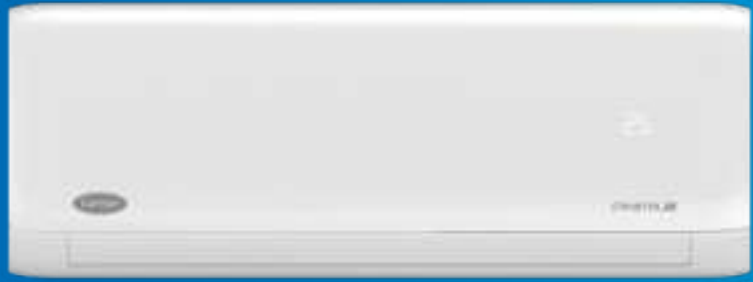


Wind Avoid Me



**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



Golden Fin



Gear Operation



Fan Blades



9 Grades of Outdoor Fan Speed



Low Ambient Cooling



Low Ambient Heating



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

#### Cooling capacity

#### Heating capacity

Heating capacity at -7°C

Heating capacity at -15°C

Heating capacity at -20°C

Temp range cooling

Temp range heating

SEER / SCOP (warmer) / SCOP (average)

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

|       | 38QHGG/42QHGG009D8S    | 38QHGG/42QHGG012D8S     | 38QHGG/42QHGG018D8S     | 38QHGG/42QHGG024D8S     |
|-------|------------------------|-------------------------|-------------------------|-------------------------|
| 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) |
| 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) |
| kW    | 2,50                   | 2,70                    | 4,30                    | 5,80                    |
| kW    | 2,00                   | 2,10                    | 3,50                    | 5,50                    |
| kW    | 1,65                   | 1,70                    | 2,50                    | 4,50                    |
| °C    | -15-50                 | -15-50                  | -15-50                  | -15-50                  |
| °C    | -15-24                 | -15-24                  | -15-24                  | -15-24                  |
| 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         |
|       | A++ / A+++ / A+        | A++ / A+++ / A+         | A++ / A+++ / A+         | A++ / A+++ / A+         |
| kWh   | 130 / 660 / 854        | 182 / 636 / 833         | 264 / 1235 / 1435       | 379 / 1757 / 1820       |
| A     | 3,50                   | 5,00                    | 6,80                    | 10,90                   |
| W     | 765                    | 1130                    | 1550                    | 2500                    |
| A     | 3,40                   | 4,60                    | 7,40                    | 9,60                    |
| W     | 760                    | 1050                    | 1700                    | 2200                    |
| kg    | 0,60                   | 0,65                    | 1,10                    | 1,45                    |
|       | 1/4" - 3/8"            | 1/4" - 3/8"             | 1/4" - 1/2"             | 3/8" - 5/8"             |
| m     | 5                      | 5                       | 5                       | 5                       |
| m     | 3                      | 3                       | 3                       | 3                       |
| m     | 25                     | 25                      | 30                      | 30                      |
| m     | 10                     | 10                      | 20                      | 20                      |
| g/m   | 12                     | 12                      | 12                      | 24                      |
|       | 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

Sound pressure level (Max. - Min.)

Air flow (Max. - Min.)

Weight

Dimensions (W×D×H)

|       |                 |                 |                 |                  |
|-------|-----------------|-----------------|-----------------|------------------|
| dB(A) | 56              | 56              | 58              | 63               |
| dB(A) | 37/32/28/20     | 37/32/28/20     | 41/35/28/21     | 47/41/35/22      |
| m³/h  | 460/330/260/180 | 530/400/350/195 | 800/600/500/300 | 1090/770/610/480 |
| kg    | 8.0             | 8.7             | 11.2            | 13.6             |
| mm    | 726×210×291     | 835×208×295     | 969×241×320     | 1083×244×336     |

### OUTDOOR UNIT

#### 38QHG009D8S

#### 38QHG012D8S

#### 38QHG018D8S

#### 38QHG024D8S

Sound power level

Sound pressure level

Airflow

Weight

Dimensions (W×D×H)

|       |             |             |             |             |
|-------|-------------|-------------|-------------|-------------|
| dB(A) | 63          | 64          | 65          | 69          |
| dB(A) | 55,5        | 56          | 57          | 60          |
| m³/h  | 1750        | 1800        | 2100        | 3500        |
| kg    | 23.5        | 23.7        | 33.5        | 43.9        |
| 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



**R32**  
REFRIGERANT



Energy Saving



Anti Cold Air Function

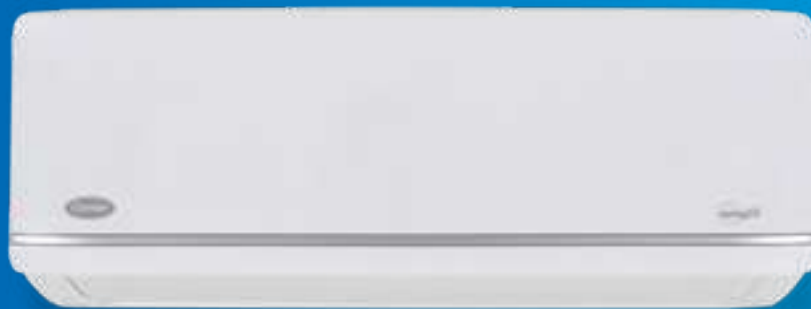


Wide Range Voltage Operation



**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



Remote Control Bright Screen



Cold Catalyst Filter



Vitamin C Filter



Negative Ion Filter (Ionizer Filter)



Follow Me



Sleep Mode



ECO



Turbo



Louver Function/ Horizontally



Timer



Dry Mode



Quiet Mode



Self Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Low Ambient



Memorize



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By

## TECHNICAL CHARACTERISTICS

### SYSTEM

#### Cooling capacity

#### Heating capacity

Heating capacity at -7°C

Heating capacity at -15°C

Heating capacity at -20°C

Temp range cooling

Temp range heating

SEER / SCOP (warmer) / SCOP (average)

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

|       | 38QHB/42QHB09D8S        | 38QHB/42QHB12D8S        | 38QHB/42QHB18D8S        | 38QHB/42QHB24D8S        |
|-------|-------------------------|-------------------------|-------------------------|-------------------------|
| 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) |
| 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) |
| kW    | 2,9                     | 3,0                     | 3,7                     | 6,3                     |
| kW    | 2,3                     | 2,4                     | 3,1                     | 5,7                     |
| kW    | 2,0                     | 2,0                     | 2,7                     | 4,9                     |
| °C    | -15-46                  | -15-46                  | -15-46                  | -15-46                  |
| °C    | -15-24                  | -15-24                  | -15-24                  | -15-24                  |
| 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         |
|       | A++ / A+++ / A+         | A++ / A+++ / A+         | A++ / A+++ / A+         | A++ / A+++ / A+         |
| kWh   | 130 / 824 / 875         | 181 / 851 / 945         | 289 / 1400 / 1365       | 385 / 1730 / 1785       |
| A     | 3,30                    | 5,30                    | 7,30                    | 10,30                   |
| W     | 740                     | 1200                    | 1630                    | 2320                    |
| A     | 3,20                    | 4,80                    | 6,60                    | 9,70                    |
| W     | 720                     | 1100                    | 1480                    | 2200                    |
| kg    | 0,70                    | 0,80                    | 1,25                    | 1,60                    |
|       | 1/4" - 3/8"             | 1/4" - 3/8"             | 1/4" - 1/2"             | 3/8" - 5/8"             |
| m     | 5                       | 5                       | 5                       | 5                       |
| m     | 3                       | 3                       | 3                       | 3                       |
| m     | 25                      | 25                      | 30                      | 40                      |
| m     | 10                      | 10                      | 20                      | 20                      |
| g/m   | 12                      | 12                      | 12                      | 24                      |
|       | 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

Sound pressure level (Max. - Min.)

Air flow (Max. - Min.)

Weight

Dimensions (W×D×H)

|              |                 |                 |                 |                  |
|--------------|-----------------|-----------------|-----------------|------------------|
| <b>dB(A)</b> | 55              | 57              | 60              | 63               |
| <b>dB(A)</b> | 38/31/23/20     | 39/32/23/21     | 42/33/27/21     | 46/40/30/26      |
| <b>m³/h</b>  | 420/310/230/150 | 530/470/290/170 | 750/510/420/330 | 1050/750/560/450 |
| <b>kg</b>    | 7.3             | 8.2             | 10.8            | 12.9             |
| <b>mm</b>    | 722×187×290     | 802×189×297     | 965×215×319     | 1080×226×335     |

### OUTDOOR UNIT

#### 38QHB09D8S

#### 38QHB12D8S

#### 38QHB18D8S

#### 38QHB24D8S

Sound power level

Sound pressure level

Airflow

Weight

Dimensions (W×D×H)

|              |             |             |             |             |
|--------------|-------------|-------------|-------------|-------------|
| <b>dB(A)</b> | 61          | 62          | 65          | 68          |
| <b>dB(A)</b> | 56          | 56          | 57          | 59          |
| <b>m³/h</b>  | 1900        | 1900        | 2100        | 2700        |
| <b>kg</b>    | 27.0        | 27.0        | 37.0        | 50.0        |
| <b>mm</b>    | 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

## 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



Golden Fin



Remote Control Bright Screen



Cold Catalyst Filter



Vitamin C Filter



Negative Ion Filter (Ionizer Filter)



Follow Me



Sleep Mode



X-ECO



Turbo



Louver Function/ Horizontally



8°C Heating (Freeze Protection)



Timer



Dry Mode



Quiet Mode



Self Clean



Auto Diagnosis & Self Protection



Auto Defrosting



Auto Restart



Electrical Voltage Protection



Low Ambient



Remote Control Locking



Refrigerant Leakage Detection



1W Stand By

## TECHNICAL CHARACTERISTICS

### SYSTEM

#### Cooling capacity

#### Heating capacity

Heating capacity at -7°C

Heating capacity at -15°C

Heating capacity at -20°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

### 38QHC/42QHC012D8LS

### 38QHC/42QHC022D8LS

kW

1.1 - 3.6

2.3 - 5.7

BTU/h

3.755 - 12.285

7.850 - 19.450

kW

1.0 - 3.9

2.2 - 5.8

BTU/h

3.412 - 13.310

7.510 - 19.790

kW

2,9

3,8

kW

2,5

3,2

kW

2

2,8

°C

-15-46

-15-46

°C

-15-24

-15-24

W/W

7.1 / 5.1 / 4.0

6.8 / 5.1 / 4.0

A++ / A+++ / A+

A++ / A+++ / A+

kWh

159 / 824 / 875

283 / 1483 / 1435

A

4,2

7,6

W

950

1720

A

4,6

6,9

W

1030

1550

kg

0,7

1,25

m

1/4" - 3/8"

1/4" - 1/2"

m

5

5

m

3

3

m

25

30

m

10

20

g/m

12

12

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

## CODISTALPLUS



Golden and Green Fin\*



Ionizer Filter



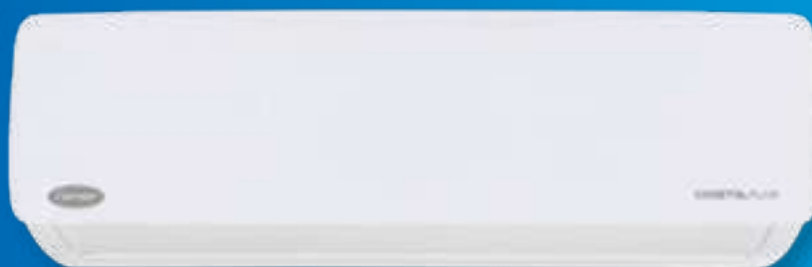
Quiet Mode

\*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

#### Cooling capacity

#### Heating capacity

Heating capacity at -7°C

Heating capacity at -15°C

Heating capacity at -20°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

|           |  | 38QHB/42QHB09D8SC       | 42QHB/38QHB12D8SC        | 42QHB/38QHB18D8SC       | 42QHB/38QHB24D8SC       |
|-----------|--|-------------------------|--------------------------|-------------------------|-------------------------|
| <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>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) |
| kW        |  | 2,9                     | 3,0                      | 3,7                     | 6,3                     |
| kW        |  | 2,3                     | 2,4                      | 3,1                     | 5,7                     |
| kW        |  | 2,0                     | 2,0                      | 2,7                     | 4,9                     |
| °C        |  | -15-46                  | -15-46                   | -15-46                  | -15-46                  |
| °C        |  | -15-24                  | -15-24                   | -15-24                  | -15-24                  |
| 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         |
|           |  | A++ / A+++ / A+         | A++ / A+++ / A+          | A++ / A+++ / A+         | A++ / A+++ / A+         |
| kWh       |  | 130 / 824 / 875         | 181 / 851 / 945          | 289 / 1400 / 1365       | 385 / 1730 / 1785       |
| A         |  | 3,30                    | 5,30                     | 7,30                    | 10,30                   |
| W         |  | 740                     | 1200                     | 1630                    | 2320                    |
| A         |  | 3,20                    | 4,80                     | 6,60                    | 9,70                    |
| W         |  | 720                     | 1100                     | 1480                    | 2200                    |
| kg        |  | 0,70                    | 0,80                     | 1,25                    | 1,60                    |
|           |  | 1/4" - 3/8"             | 1/4" - 3/8"              | 1/4" - 1/2"             | 3/8" - 5/8"             |
| m         |  | 5                       | 5                        | 5                       | 5                       |
| m         |  | 3                       | 3                        | 3                       | 3                       |
| m         |  | 25                      | 25                       | 30                      | 40                      |
| m         |  | 10                      | 10                       | 20                      | 20                      |
| g/m       |  | 12                      | 12                       | 12                      | 24                      |
|           |  | 220-240V-, 50/60Hz, 1Ph | 220-240V-, 50/60Hz, 1Ph  | 220-240V-, 50/60Hz, 1Ph | 220-240V-, 50/60Hz, 1Ph |

### INDOOR UNIT

Sound power level

Sound pressure level (Max. - Min.)

Air flow (Max. - Min.)

Weight

Dimensions (WxDxH)

|       |  | 42QHB09D8SC     | 42QHB12D8SC     | 42QHB18D8SC     | 42QHB24D8SC      |
|-------|--|-----------------|-----------------|-----------------|------------------|
| dB(A) |  | 55              | 57              | 60              | 63               |
| dB(A) |  | 38/31/23/20     | 39/32/23/21     | 42/33/27/21     | 46/40/30/26      |
| m³/h  |  | 420/310/230/150 | 530/470/290/170 | 750/510/420/330 | 1050/750/560/450 |
| kg    |  | 7.3             | 8.2             | 10.8            | 12.9             |
| mm    |  | 722×187×290     | 802×189×297     | 965×215×319     | 1080×226×335     |

### OUTDOOR UNIT

Sound power level

Sound pressure level

Air flow

Weight

Dimensions (WxDxH)

|       |  | 38QHB09D8SC | 38QHB12D8SC | 38QHB18D8SC | 38QHB24D8SC |
|-------|--|-------------|-------------|-------------|-------------|
| dB(A) |  | 61          | 62          | 65          | 68          |
| dB(A) |  | 56          | 56          | 57          | 59          |
| m³/h  |  | 1900        | 1900        | 2100        | 2700        |
|       |  | 27.0        | 27.0        | 37.0        | 50.0        |
|       |  | 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



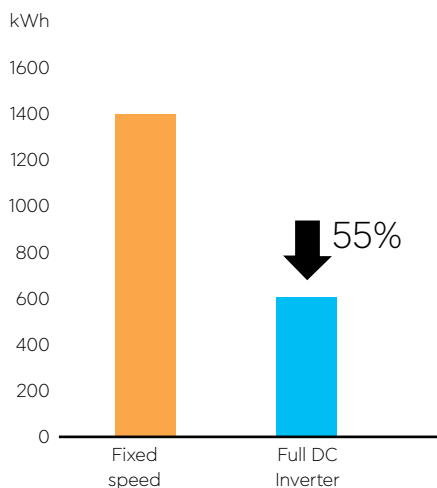
### FLEXIBILITY

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



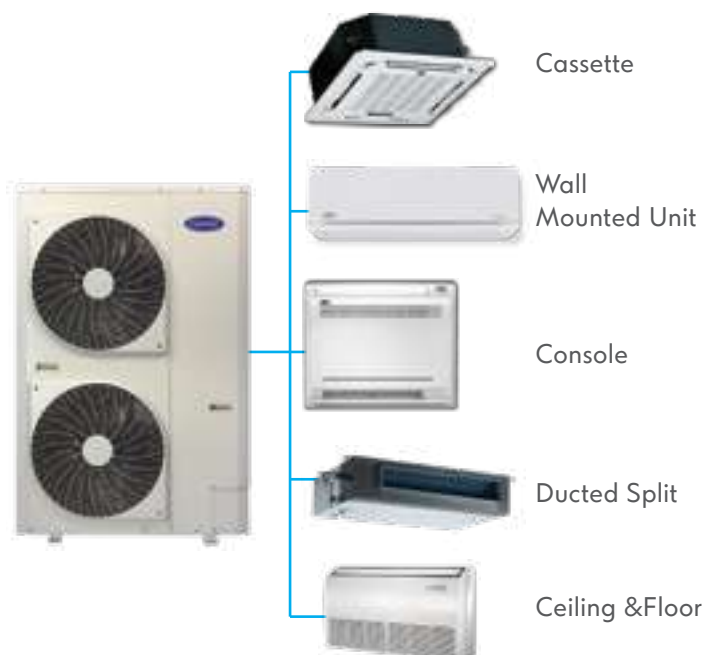
## ENERGY SAVER

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

#### IDUS COMBINATION FOR RATING

|                                             |         | 38QU5014D8S2                      |                              |                              |                            |
|---------------------------------------------|---------|-----------------------------------|------------------------------|------------------------------|----------------------------|
|                                             |         | HIWALL (NEW)<br>42QH0007D8S* (x2) | HIWALL<br>42QHB007D8S-1 (x2) | CASSETTE<br>42QTD007D8S (x2) | DUCTED<br>42QSS007D8S (x2) |
| Cooling capacity                            | kW      | 4.10 (1.44-4.79)                  | 4.10 (1.44-4.79)             | 4.10 (1.31-4.40)             | 4.10 (1.39-4.84)           |
| Heating capacity                            | kW      | 4.40 (1.50-4.91)                  | 4.40 (1.50-4.91)             | 4.40 (1.47-4.98)             | 4.40 (1.66-4.98)           |
| SEER/ SCOP(average)                         | W/W     | 6.8/4.0                           | 6.8 / 4.0                    | 6.1 / 3.8                    | 6.1 / 3.8                  |
| Energy label                                |         | A++/A+                            | A++ / A+                     | A++ / A                      | A++ / A                    |
| Yearly energy consumption                   | kWh     | 211/1365                          | 211 / 1295                   | 236 / 1437                   | 236 / 1437                 |
| EER/ COP                                    | W/W     | 3.23/3.71                         | 3.23 / 3.67                  | 3.20 / 3.79                  | 3.28 / 4.00                |
| Standard current (cooling)                  | A       | 5,9                               | 5,8                          | 5,8                          | 5,7                        |
| Standard input (cooling)                    | W       | 1270                              | 1270                         | 1280                         | 1250                       |
| Standard current (heating)                  | A       | 5,3                               | 5,4                          | 5,2                          | 5,0                        |
| Standard input (heating)                    | W       | 1185                              | 1200                         | 1160                         | 1100                       |
| Rated current                               | A       | 11,5                              |                              |                              |                            |
| Rated input                                 | W       | 2650,0                            |                              |                              |                            |
| Outdoor air flow                            | m³/h    | 2200,0                            |                              |                              |                            |
| Outdoor sound pressure level                | dB(A)   | 56,0                              |                              |                              |                            |
| Outdoor sound power level                   | dB(A)   | 65,0                              |                              |                              |                            |
| Dimension (W×D×H)                           | mm      | 800×333×554                       |                              |                              |                            |
| Weight                                      | kg      | 32.0                              |                              |                              |                            |
| Refrigerant charge amount, R32              | kg      | 1,1                               |                              |                              |                            |
| Refrigerant piping (Liquid side/ Gas side)  |         | 2 × 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

#### IDUS COMBINATION FOR RATING

|                                             |         | 38QU5018D8S2-1                    |                              |                              |                            |
|---------------------------------------------|---------|-----------------------------------|------------------------------|------------------------------|----------------------------|
|                                             |         | HIWALL (NEW)<br>42QH0009D8S* (x2) | HIWALL<br>42QHB009D8S-1 (x2) | CASSETTE<br>42QTD009D8S (x2) | DUCTED<br>42QSS009D8S (x2) |
| Cooling capacity                            | kW      | 5.28 (2.26-5.63)                  | 5.28 (2.23-5.57)             | 5.28 (2.23-5.72)             | 5.28 (1.32-5.57)           |
| Heating capacity                            | kW      | 5.57 (2.37-5.68)                  | 5.57 (2.34-5.63)             | 5.57 (2.34-5.86)             | 5.57 (1.88-5.74)           |
| SEER/ SCOP(average)                         | W/W     | 6.1/4.0                           | 6.1 / 4.0                    | 6.1 / 4.0                    | 6.1 / 3.8                  |
| Energy label                                |         | A++/A+                            | A++ / A+                     | A++ / A+                     | A++ / A                    |
| Yearly energy consumption                   | kWh     | 303/1585                          | 303 / 1505                   | 303 / 1505                   | 303 / 1695                 |
| EER/ COP                                    | W/W     | 3.24/3.71                         | 3.10 / 3.71                  | 3.24 / 3.71                  | 3.24 / 4.10                |
| Standard current (cooling)                  | A       | 7,7                               | 7,3                          | 7,3                          | 7,3                        |
| Standard input (cooling)                    | W       | 1630                              | 1705                         | 1630                         | 1630                       |
| Standard current (heating)                  | A       | 6,8                               | 6,7                          | 6,7                          | 6,1                        |
| Standard input (heating)                    | W       | 1500                              | 1500                         | 1500                         | 1360                       |
| Rated current                               | A       | 13,0                              |                              |                              |                            |
| Rated input                                 | W       | 2850                              |                              |                              |                            |
| Outdoor air flow                            | m³/h    | 2200                              |                              |                              |                            |
| Outdoor sound pressure level                | dB(A)   | 56                                |                              |                              |                            |
| Outdoor sound power level                   | dB(A)   | 65                                |                              |                              |                            |
| Dimension (W×D×H)                           | mm      | 800×333×554                       |                              |                              |                            |
| Weight                                      | kg      | 35.5                              |                              |                              |                            |
| Refrigerant charge amount, R32              | kg      | 1,25                              |                              |                              |                            |
| Refrigerant piping (Liquid side/ Gas side)  |         | 2 × 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)<br>42QHGO07D8S* (x3) | HIWALL<br>42QHB007D8S-1 (x3) | CASSETTE<br>42QTD007D8S (x3) | DUCTED<br>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                            | m³/h    | 2700                              |                              |                              |                            |
| Outdoor sound pressure level                | dB(A)   | 58                                |                              |                              |                            |
| Outdoor sound power level                   | dB(A)   | 66                                |                              |                              |                            |
| Dimension (W×D×H)                           | mm      | 845×363×702                       |                              |                              |                            |
| 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)<br>42QHGO09D8S* (x3) | HIWALL<br>42QHB009D8S-1 (x3) | CASSETTE<br>42QTD009D8S (x3) | DUCTED<br>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                            | m³/h    | 2700,0                            |                              |                              |                            |
| Outdoor sound pressure level                | dB(A)   | 60,0                              |                              |                              |                            |
| Outdoor sound power level                   | dB(A)   | 68,0                              |                              |                              |                            |
| Dimension (W×D×H)                           | mm      | 845×363×702                       |                              |                              |                            |
| 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

|                                             |       | 38QUS028D8S4                      |                              |                              |                            |
|---------------------------------------------|-------|-----------------------------------|------------------------------|------------------------------|----------------------------|
|                                             |       | HIWALL (NEW)<br>42QHG007D8S* (x4) | HIWALL<br>42QHB007D8S-1 (x4) | CASSETTE<br>42QTD007D8S (x4) | DUCTED<br>42QSS007D8S (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                            | m³/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

|                                             |         | 38QUS036D8S4                      |                              |                              |                            |
|---------------------------------------------|---------|-----------------------------------|------------------------------|------------------------------|----------------------------|
|                                             |         | HIWALL (NEW)<br>42QHG009D8S* (x4) | HIWALL<br>42QHB009D8S-1 (x4) | CASSETTE<br>42QTD009D8S (x4) | DUCTED<br>42QSS009D8S (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                            | m³/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

### IDUS COMBINATION FOR RATING

|                                             |         | 38QUS042D8S5                      |                              |                              |                            |
|---------------------------------------------|---------|-----------------------------------|------------------------------|------------------------------|----------------------------|
|                                             |         | HIWALL (NEW)<br>42QHG009D8S* (x5) | HIWALL<br>42QHB009D8S-1 (x5) | CASSETTE<br>42QTD009D8S (x5) | DUCTED<br>42QSS009D8S (x5) |
| 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                            | m³/h    | 3850,0                            |                              |                              |                            |
| Outdoor sound pressure level                | dB(A)   | 64,0                              |                              |                              |                            |
| Outdoor sound power level                   | dB(A)   | 72,0                              |                              |                              |                            |
| Dimension (W×D×H)                           | mm      | 946×410×810                       |                              |                              |                            |
| Weight                                      | kg      | 73.5                              |                              |                              |                            |
| Refrigerant charge amount, R32              | kg      | 2,4                               |                              |                              |                            |
| Refrigerant piping (Liquid side/ Gas side)  |         | 4 × 1/4" - 3/8" + 1 × 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

|                                           |         | 42QHG007D8S* (NEW)   | 42QHG009D8S* (NEW)    | 42QHG012D8S* (NEW)    | 42QHG018D8S* (NEW)    | 42QHG024D8S* (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.)                     | m³/h    | 180-460              | 180-460               | 195-530               | 300-800               | 480-1090              |
| Weight                                    | kg      | 8.0                  | 8.0                   | 8.7                   | 11.2                  | 13.6                  |
| Dimensions (WxDxH)                        | mm      | 726×210×291          | 726×210×291           | 835×208×295           | 969×241×320           | 1083×244×336          |
| 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.)                     | m³/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      | 722×187×290           | 722×187×290           | 802×189×297           | 965×215×319           | 1080×226×335          |
| 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.)                     | m³/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)                   | m³/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              | 45/38/33              |
| Air flow (high/med/low)                   | m³/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      |
|       | 12+12        | 12                         | 12     | —      | 3,10                              | 3,10   | —      | 2,01                        | 6,20  | 6,83 | 0,56                   | 1,91  | 2,17 | 3,24      |
| 1:3   | 7+7+7        | 7                          | 7      | 7      | 2,03                              | 2,03   | 2,03   | 2,44                        | 6,10  | 7,20 | 0,68                   | 1,88  | 2,35 | 3,24      |
|       | 7+7+9        | 7                          | 7      | 9      | 1,92                              | 1,92   | 2,47   | 2,44                        | 6,30  | 7,26 | 0,68                   | 1,94  | 2,35 | 3,24      |
|       | 7+7+12       | 7                          | 7      | 12     | 1,70                              | 1,70   | 2,91   | 2,44                        | 6,30  | 7,32 | 0,68                   | 1,94  | 2,35 | 3,24      |
|       | 7+9+9        | 7                          | 9      | 9      | 1,76                              | 2,27   | 2,27   | 2,44                        | 6,30  | 7,32 | 0,68                   | 1,94  | 2,35 | 3,24      |
|       | 9+9+9        | 9                          | 9      | 9      | 2,10                              | 2,10   | 2,10   | 2,44                        | 6,30  | 7,32 | 0,68                   | 1,94  | 2,35 | 3,24      |

### HEATING

| COMB. | INDOOR UNITS | COMBINATIONS (X1000 BTU/H) |        |        | RATED CAPACITY (kW)(NOM. COOLING) |        |        | TOTAL COOLING CAPACITY (kW) |       |      | TOTAL POWER INPUT (kW) |       |      | EER (W/W) |
|-------|--------------|----------------------------|--------|--------|-----------------------------------|--------|--------|-----------------------------|-------|------|------------------------|-------|------|-----------|
|       |              | UNIT A                     | UNIT B | UNIT C | UNIT A                            | UNIT B | UNIT C | MIN.                        | RATED | MAX. | MIN.                   | RATED | MAX. |           |
| 1:1   | 7            | 7                          | —      | —      | 2,50                              | —      | —      | 1,43                        | 2,50  | 3,03 | 0,35                   | 0,73  | 0,92 | 3,41      |
|       | 9            | 9                          | —      | —      | 3,00                              | —      | —      | 1,43                        | 3,00  | 3,63 | 0,35                   | 0,88  | 1,10 | 3,41      |
|       | 12           | 12                         | —      | —      | 3,80                              | —      | —      | 1,43                        | 3,80  | 4,60 | 0,35                   | 1,11  | 1,34 | 3,41      |
|       | 18           | 18                         | —      | —      | 5,30                              | —      | —      | 1,82                        | 5,30  | 6,94 | 0,45                   | 1,54  | 2,07 | 3,45      |
| 1:2   | 7+7          | 7                          | 7      | —      | 2,50                              | 2,50   | —      | 2,22                        | 5,00  | 6,07 | 0,54                   | 1,39  | 1,80 | 3,61      |
|       | 7+9          | 7                          | 9      | —      | 2,45                              | 3,15   | —      | 2,22                        | 5,60  | 6,40 | 0,54                   | 1,55  | 1,89 | 3,61      |
|       | 7+12         | 7                          | 12     | —      | 2,21                              | 3,79   | —      | 2,22                        | 6,00  | 6,74 | 0,54                   | 1,64  | 1,98 | 3,65      |
|       | 7+18         | 7                          | 18     | —      | 1,79                              | 4,61   | —      | 2,22                        | 6,40  | 7,55 | 0,54                   | 1,76  | 2,07 | 3,63      |
|       | 9+9          | 9                          | 9      | —      | 3,00                              | 3,00   | —      | 2,22                        | 6,00  | 7,08 | 0,54                   | 1,64  | 1,98 | 3,65      |
|       | 9+12         | 9                          | 12     | —      | 2,74                              | 3,66   | —      | 2,22                        | 6,40  | 7,28 | 0,54                   | 1,75  | 2,01 | 3,65      |
|       | 9+18         | 9                          | 18     | —      | 2,13                              | 4,27   | —      | 2,22                        | 6,40  | 7,55 | 0,54                   | 1,77  | 2,07 | 3,62      |
|       | 12+12        | 12                         | 12     | —      | 3,20                              | 3,20   | —      | 2,22                        | 6,40  | 7,55 | 0,54                   | 1,75  | 2,07 | 3,65      |
| 1:3   | 7+7+7        | 7                          | 7      | 7      | 2,25                              | 2,25   | 2,25   | 2,70                        | 6,74  | 7,95 | 0,65                   | 1,80  | 2,25 | 3,75      |
|       | 7+7+9        | 7                          | 7      | 9      | 2,07                              | 2,07   | 2,66   | 2,70                        | 6,80  | 7,95 | 0,65                   | 1,81  | 2,25 | 3,75      |
|       | 7+7+12       | 7                          | 7      | 12     | 1,86                              | 1,86   | 3,18   | 2,70                        | 6,90  | 8,09 | 0,65                   | 1,84  | 2,25 | 3,75      |
|       | 7+9+9        | 7                          | 9      | 9      | 1,93                              | 2,48   | 2,48   | 2,70                        | 6,90  | 8,09 | 0,65                   | 1,84  | 2,25 | 3,75      |
|       | 9+9+9        | 9                          | 9      | 9      | 2,30                              | 2,30   | 2,30   | 2,70                        | 6,90  | 8,09 | 0,65                   | 1,84  | 2,25 | 3,75      |

# INDOOR COMBINATION AND VARIABLE CAPACITY FOR 27K HEAT PUMP (SYSTEM 3)

## COOLING

| COMB. | INDOOR UNITS | COMBINATIONS<br>(X1000 BTU/H) |        |        | RATED CAPACITY<br>(kW)(NOM. COOLING) |        |        | TOTAL COOLING CAPACITY (kW) |       |      | TOTAL POWER INPUT (kW) |       |      | EER<br>(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   | 12+18        | 12                            | 18     | —      | 2,72                                 | 4,08   | —      | 2,21                        | 6,80  | 7,90 | 0,64                   | 2,11  | 2,69 | 3,23         |
|       | 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<br>(X1000 BTU/H) |        |        | RATED CAPACITY<br>(kW)(NOM. COOLING) |        |        | TOTAL COOLING CAPACITY (kW) |       |      | TOTAL POWER INPUT (kW) |       |      | EER<br>(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   | 12+18        | 12                            | 18     | —      | 2,80                                 | 4,20   | —      | 2,21                        | 7,00  | 7,90 | 0,55                   | 1,88  | 2,34 | 3,72         |
|       | 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) |        |        | UNIT D | RATED CAPACITY (kW)(NOM. COOLING) |        |        | UNIT D | 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                              | —      | —      | —      | 1.52                        | 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   | 24           | 24                         | —      | —      | —      | 7.00                              | —      | —      | —      | 1.89                        | 7.00  | 8.20 | 0.65                   | 2.17  | 2.28 | 3.22      |
|       | 7+7          | 7                          | 7      | —      | —      | 2.10                              | 2.10   | —      | —      | 2.05                        | 4.20  | 6.08 | 0.62                   | 1.31  | 1.98 | 3.21      |
|       | 7+9          | 7                          | 9      | —      | —      | 2.06                              | 2.64   | —      | —      | 2.05                        | 4.70  | 6.40 | 0.62                   | 1.46  | 2.10 | 3.21      |
|       | 7+12         | 7                          | 12     | —      | —      | 1.95                              | 3.35   | —      | —      | 2.05                        | 5.30  | 6.81 | 0.62                   | 1.65  | 2.23 | 3.21      |
|       | 7+18         | 7                          | 18     | —      | —      | 1.96                              | 5.04   | —      | —      | 2.05                        | 7.00  | 7.55 | 0.62                   | 2.18  | 2.72 | 3.21      |
|       | 7+24         | 7                          | 24     | —      | —      | 2.03                              | 6.97   | —      | —      | 2.05                        | 9.00  | 8.78 | 0.62                   | 2.80  | 2.94 | 3.21      |
|       | 9+9          | 9                          | 9      | —      | —      | 2.65                              | 2.65   | —      | —      | 2.05                        | 5.30  | 6.81 | 0.62                   | 1.65  | 2.23 | 3.21      |
|       | 9+12         | 9                          | 12     | —      | —      | 2.57                              | 3.43   | —      | —      | 2.05                        | 6.00  | 6.98 | 0.62                   | 1.87  | 2.35 | 3.21      |
|       | 9+18         | 9                          | 18     | —      | —      | 2.43                              | 4.87   | —      | —      | 2.05                        | 7.30  | 7.55 | 0.62                   | 2.27  | 2.72 | 3.21      |
|       | 9+24         | 9                          | 24     | —      | —      | 2.70                              | 7.20   | —      | —      | 2.05                        | 9.90  | 8.37 | 0.62                   | 3.08  | 2.97 | 3.21      |
|       | 12+12        | 12                         | 12     | —      | —      | 3.25                              | 3.25   | —      | —      | 2.05                        | 6.50  | 7.39 | 0.62                   | 2.02  | 2.42 | 3.21      |
|       | 12+18        | 12                         | 18     | —      | —      | 2.92                              | 4.38   | —      | —      | 2.05                        | 7.30  | 7.55 | 0.62                   | 2.27  | 2.72 | 3.21      |
|       | 12+24        | 12                         | 24     | —      | —      | 3.17                              | 6.33   | —      | —      | 2.05                        | 9.50  | 7.96 | 0.62                   | 2.96  | 2.99 | 3.21      |
|       | 18+18        | 18                         | 18     | —      | —      | 3.75                              | 3.75   | —      | —      | 2.05                        | 7.50  | 7.55 | 0.62                   | 2.34  | 2.72 | 3.21      |
| 1:3   | 7+7+7        | 7                          | 7      | 7      | —      | 2.00                              | 2.00   | 2.00   | —      | 2.63                        | 6.00  | 8.46 | 0.74                   | 1.85  | 2.87 | 3.25      |
|       | 7+7+9        | 7                          | 7      | 9      | —      | 1.98                              | 1.98   | 2.54   | —      | 2.63                        | 6.50  | 8.46 | 0.74                   | 2.00  | 2.87 | 3.25      |
|       | 7+7+12       | 7                          | 7      | 12     | —      | 1.91                              | 1.91   | 3.28   | —      | 2.63                        | 7.10  | 8.46 | 0.74                   | 2.18  | 2.87 | 3.25      |
|       | 7+7+18       | 7                          | 7      | 18     | —      | 1.71                              | 1.71   | 4.39   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 7+9+9        | 7                          | 9      | 9      | —      | 1.90                              | 2.45   | 2.68   | —      | 2.63                        | 6.80  | 8.46 | 0.74                   | 2.09  | 2.87 | 3.25      |
|       | 7+9+12       | 7                          | 9      | 12     | —      | 1.88                              | 2.41   | 3.21   | —      | 2.63                        | 7.50  | 8.46 | 0.74                   | 2.31  | 2.87 | 3.25      |
|       | 7+9+18       | 7                          | 9      | 18     | —      | 1.61                              | 2.06   | 4.13   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 7+12+12      | 7                          | 12     | 12     | —      | 1.76                              | 3.02   | 3.02   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 9+9+9        | 9                          | 9      | 9      | —      | 2.37                              | 2.37   | 2.37   | —      | 2.63                        | 7.10  | 8.46 | 0.74                   | 2.18  | 2.87 | 3.25      |
|       | 9+9+12       | 9                          | 9      | 12     | —      | 2.34                              | 2.34   | 3.12   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 9+9+18       | 9                          | 9      | 18     | —      | 1.95                              | 1.95   | 3.90   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 9+12+12      | 9                          | 12     | 12     | —      | 2.13                              | 2.84   | 2.84   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 12+12+12     | 12                         | 12     | 12     | —      | 2.60                              | 2.60   | 2.60   | —      | 2.63                        | 7.80  | 8.46 | 0.74                   | 2.40  | 2.87 | 3.25      |
|       | 7+7+7+7      | 7                          | 7      | 7      | 7      | 2.05                              | 2.05   | 2.05   | 2.05   | 3.04                        | 8.21  | 9.93 | 0.84                   | 2.47  | 3.09 | 3.32      |
| 1:4   | 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) |        |        | UNIT D | RATED CAPACITY (kW)(NOM. COOLING) |        |        | UNIT D | 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                              | —      | —      | —      | 1.68                        | 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   | 24           | 24                         | —      | —      | —      | 7.60                              | —      | —      | —      | 1.91                        | 7.60  | 8.50  | 0.70                   | 2.11  | 2.21 | 3.61      |
|       | 7+7          | 7                          | 7      | —      | —      | 2.50                              | 2.50   | —      | —      | 2.28                        | 5.00  | 6.73  | 0.61                   | 1.39  | 1.96 | 3.61      |
|       | 7+9          | 7                          | 9      | —      | —      | 2.45                              | 3.15   | —      | —      | 2.28                        | 5.60  | 7.10  | 0.61                   | 1.55  | 2.08 | 3.61      |
|       | 7+12         | 7                          | 12     | —      | —      | 2.21                              | 3.79   | —      | —      | 2.28                        | 6.00  | 7.55  | 0.61                   | 1.66  | 2.20 | 3.61      |
|       | 7+18         | 7                          | 18     | —      | —      | 2.18                              | 5.62   | —      | —      | 2.28                        | 7.80  | 8.37  | 0.61                   | 2.16  | 2.69 | 3.61      |
|       | 7+24         | 7                          | 24     | —      | —      | 2.21                              | 7.59   | —      | —      | 2.28                        | 9.80  | 9.74  | 0.61                   | 2.71  | 2.91 | 3.61      |
|       | 9+9          | 9                          | 9      | —      | —      | 3.00                              | 3.00   | —      | —      | 2.28                        | 6.00  | 7.55  | 0.61                   | 1.66  | 2.20 | 3.61      |
|       | 9+12         | 9                          | 12     | —      | —      | 3.00                              | 4.00   | —      | —      | 2.28                        | 7.00  | 7.74  | 0.61                   | 1.94  | 2.32 | 3.61      |
|       | 9+18         | 9                          | 18     | —      | —      | 2.63                              | 5.27   | —      | —      | 2.28                        | 7.90  | 8.37  | 0.61                   | 2.19  | 2.69 | 3.61      |
|       | 9+24         | 9                          | 24     | —      | —      | 2.59                              | 6.91   | —      | —      | 2.28                        | 9.50  | 9.28  | 0.61                   | 2.63  | 2.94 | 3.61      |
|       | 12+12        | 12                         | 12     | —      | —      | 3.75                              | 3.75   | —      | —      | 2.28                        | 7.50  | 8.19  | 0.61                   | 2.08  | 2.40 | 3.61      |
|       | 12+18        | 12                         | 18     | —      | —      | 3.20                              | 4.80   | —      | —      | 2.28                        | 8.00  | 8.37  | 0.61                   | 2.22  | 2.69 | 3.61      |
|       | 12+24        | 12                         | 24     | —      | —      | 3.33                              | 6.67   | —      | —      | 2.28                        | 10.00 | 8.37  | 0.61                   | 2.77  | 2.69 | 3.61      |
|       | 18+18        | 18                         | 18     | —      | —      | 4.00                              | 4.00   | —      | —      | 2.28                        | 8.00  | 8.37  | 0.61                   | 2.22  | 2.69 | 3.61      |
| 1:3   | 7+7+7        | 7                          | 7      | 7      | —      | 2.33                              | 2.33   | 2.33   | —      | 2.91                        | 7.00  | 9.37  | 0.73                   | 1.92  | 2.84 | 3.65      |
|       | 7+7+9        | 7                          | 7      | 9      | —      | 2.37                              | 2.37   | 3.05   | —      | 2.91                        | 7.80  | 9.37  | 0.73                   | 2.14  | 2.84 | 3.65      |
|       | 7+7+12       | 7                          | 7      | 12     | —      | 2.29                              | 2.29   | 3.92   | —      | 2.91                        | 8.50  | 9.37  | 0.73                   | 2.28  | 2.84 | 3.73      |
|       | 7+7+18       | 7                          | 7      | 18     | —      | 1.93                              | 1.93   | 4.95   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.37  | 2.84 | 3.72      |
|       | 7+9+9        | 7                          | 9      | 9      | —      | 2.38                              | 3.06   | 2.68   | —      | 2.91                        | 8.50  | 9.37  | 0.73                   | 2.28  | 2.84 | 3.73      |
|       | 7+9+12       | 7                          | 9      | 12     | —      | 2.20                              | 2.83   | 3.77   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.36  | 2.84 | 3.73      |
|       | 7+9+18       | 7                          | 9      | 18     | —      | 1.81                              | 2.33   | 4.66   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.37  | 2.84 | 3.72      |
|       | 7+12+12      | 7                          | 12     | 12     | —      | 1.99                              | 3.41   | 3.41   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.36  | 2.84 | 3.73      |
|       | 9+9+9        | 9                          | 9      | 9      | —      | 2.93                              | 2.93   | 2.93   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.36  | 2.84 | 3.73      |
|       | 9+9+12       | 9                          | 9      | 12     | —      | 2.64                              | 2.64   | 3.52   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.36  | 2.84 | 3.73      |
|       | 9+9+18       | 9                          | 9      | 18     | —      | 2.20                              | 2.20   | 4.40   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.37  | 2.84 | 3.72      |
|       | 9+12+12      | 9                          | 12     | 12     | —      | 2.40                              | 3.20   | 3.20   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.37  | 2.84 | 3.72      |
|       | 12+12+12     | 12                         | 12     | 12     | —      | 2.93                              | 2.93   | 2.93   | —      | 2.91                        | 8.80  | 9.37  | 0.73                   | 2.37  | 2.84 | 3.72      |
|       | 7+7+7+7      | 7                          | 7      | 7      | 7      | 2.28                              | 2.28   | 2.28   | 2.28   | 3.37                        | 9.10  | 11.01 | 0.83                   | 2.45  | 3.06 | 3.72      |
| 1:4   | 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<br>(X1000 BTU/H) |        |        | UNIT D | RATED CAPACITY<br>(kW)(NOM. COOLING) |        |        | UNIT D | TOTAL COOLING CAPACITY<br>(kW) |       |       | TOTAL POWER INPUT (kW) |       |      | EER<br>(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                                 | —      | —      | —      | 1.59                           | 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         |
|       | 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         |
| 1:3   | 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<br>(X1000 BTU/H) |        |        | UNIT D | RATED CAPACITY<br>(kW)(NOM. COOLING) |        |        | UNIT D | TOTAL COOLING CAPACITY<br>(kW) |       |       | TOTAL POWER INPUT (kW) |       |      | EER<br>(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                                 | —      | —      | —      | 1,80                           | 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 |       | MIN.                   | RATED | MAX. |           | MIN. |
| 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      |      |
| 1:2      | 24           | 24                         | —      | —      | —      | —  | 7.00                              | —      | —      | —    | —    | 2.09                        | 7.00   | 8.20  | 0.70                   | 2.18  | 2.29 | 3.21      |      |
|          | 7+7          | 7                          | 7      | —      | —      | —  | 2.10                              | 2.10   | —      | —    | —    | 2.34                        | 4.20   | 7.38  | 0.63                   | 1.30  | 2.16 | 3.23      |      |
|          | 7+9          | 7                          | 9      | —      | —      | —  | 2.06                              | 2.64   | —      | —    | —    | 2.34                        | 4.70   | 7.63  | 0.63                   | 1.46  | 2.31 | 3.23      |      |
|          | 7+12         | 7                          | 12     | —      | —      | —  | 2.03                              | 3.47   | —      | —    | —    | 2.34                        | 5.50   | 8.00  | 0.63                   | 1.70  | 2.50 | 3.23      |      |
|          | 7+18         | 7                          | 18     | —      | —      | —  | 1.96                              | 5.04   | —      | —    | —    | 2.34                        | 7.00   | 9.84  | 0.63                   | 2.17  | 2.65 | 3.23      |      |
|          | 7+24         | 7                          | 24     | —      | —      | —  | 2.05                              | 7.05   | —      | —    | —    | 2.34                        | 9.10   | 11.69 | 0.63                   | 2.83  | 2.98 | 3.21      |      |
|          | 9+9          | 9                          | 9      | —      | —      | —  | 2.65                              | 2.65   | —      | —    | —    | 2.34                        | 5.30   | 8.00  | 0.63                   | 1.64  | 2.50 | 3.23      |      |
|          | 9+12         | 9                          | 12     | —      | —      | —  | 2.57                              | 3.43   | —      | —    | —    | 2.34                        | 6.00   | 8.61  | 0.63                   | 1.86  | 2.53 | 3.23      |      |
|          | 9+18         | 9                          | 18     | —      | —      | —  | 2.50                              | 5.00   | —      | —    | —    | 2.34                        | 7.50   | 11.07 | 0.63                   | 2.34  | 2.80 | 3.21      |      |
|          | 9+24         | 9                          | 24     | —      | —      | —  | 2.65                              | 7.05   | —      | —    | —    | 2.34                        | 9.70   | 12.30 | 0.63                   | 3.02  | 3.17 | 3.21      |      |
|          | 12+12        | 12                         | 12     | —      | —      | —  | 3.50                              | 3.50   | —      | —    | —    | 2.34                        | 7.00   | 9.23  | 0.63                   | 2.17  | 2.65 | 3.23      |      |
|          | 12+18        | 12                         | 18     | —      | —      | —  | 3.40                              | 5.10   | —      | —    | —    | 2.34                        | 8.50   | 11.69 | 0.63                   | 2.65  | 3.06 | 3.21      |      |
|          | 12+24        | 12                         | 24     | —      | —      | —  | 3.33                              | 6.67   | —      | —    | —    | 2.34                        | 10.00  | 12.30 | 0.63                   | 3.12  | 3.35 | 3.21      |      |
|          | 18+18        | 18                         | 18     | —      | —      | —  | 5.25                              | 5.25   | —      | —    | —    | 2.34                        | 10.50  | 12.30 | 0.63                   | 3.27  | 3.35 | 3.21      |      |
|          | 1:3          | 7+7+7                      | 7      | 7      | 7      | —  | —                                 | 2.00   | 2.00   | 2.00 | —    | —                           | 2.89   | 6.00  | 7.38                   | 0.78  | 1.85 | 2.98      | 3.25 |
|          |              | 7+7+9                      | 7      | 7      | 9      | —  | —                                 | 1.98   | 1.98   | 2.54 | —    | —                           | 2.89   | 6.50  | 8.61                   | 0.78  | 2.00 | 3.17      | 3.25 |
| 7+7+12   |              | 7                          | 7      | 12     | —      | —  | 2.02                              | 2.02   | 3.46   | —    | —    | 2.89                        | 7.50   | 9.23  | 0.78                   | 2.31  | 3.35 | 3.25      |      |
| 7+7+18   |              | 7                          | 7      | 18     | —      | —  | 1.97                              | 1.97   | 5.06   | —    | —    | 2.89                        | 9.00   | 11.07 | 0.78                   | 2.78  | 3.54 | 3.24      |      |
| 7+7+24   |              | 7                          | 7      | 24     | —      | —  | 2.03                              | 2.03   | 6.95   | —    | —    | 2.89                        | 11.00  | 12.92 | 0.78                   | 3.42  | 3.73 | 3.22      |      |
| 7+9+9    |              | 7                          | 9      | 9      | —      | —  | 1.96                              | 2.52   | 2.52   | —    | —    | 2.89                        | 7.00   | 9.23  | 0.78                   | 2.15  | 3.28 | 3.25      |      |
| 7+9+12   |              | 7                          | 9      | 12     | —      | —  | 2.00                              | 2.57   | 3.43   | —    | —    | 2.89                        | 8.00   | 10.46 | 0.78                   | 2.46  | 3.43 | 3.25      |      |
| 7+9+18   |              | 7                          | 9      | 18     | —      | —  | 1.96                              | 2.51   | 5.03   | —    | —    | 2.89                        | 9.50   | 11.07 | 0.78                   | 2.93  | 3.65 | 3.24      |      |
| 7+9+24   |              | 7                          | 9      | 24     | —      | —  | 2.01                              | 2.59   | 6.90   | —    | —    | 2.89                        | 11.50  | 12.92 | 0.78                   | 3.57  | 3.88 | 3.22      |      |
| 7+12+12  |              | 7                          | 12     | 12     | —      | —  | 2.03                              | 3.48   | 3.48   | —    | —    | 2.89                        | 9.00   | 11.07 | 0.78                   | 2.78  | 3.54 | 3.24      |      |
| 7+12+18  |              | 7                          | 12     | 18     | —      | —  | 1.99                              | 3.41   | 5.11   | —    | —    | 2.89                        | 10.50  | 12.30 | 0.78                   | 3.26  | 3.73 | 3.22      |      |
| 7+12+24  |              | 7                          | 12     | 24     | —      | —  | 1.87                              | 3.21   | 6.42   | —    | —    | 2.89                        | 11.50  | 12.92 | 0.78                   | 3.57  | 3.88 | 3.22      |      |
| 7+18+18  |              | 7                          | 18     | 18     | —      | —  | 1.87                              | 4.81   | 4.81   | —    | —    | 2.89                        | 11.50  | 12.92 | 0.78                   | 3.57  | 3.88 | 3.22      |      |
| 9+9+9    |              | 9                          | 9      | 9      | —      | —  | 2.67                              | 2.67   | 2.67   | —    | —    | 2.89                        | 8.00   | 10.46 | 0.78                   | 2.46  | 3.73 | 3.25      |      |
| 9+9+12   |              | 9                          | 9      | 12     | —      | —  | 2.70                              | 2.70   | 3.60   | —    | —    | 2.89                        | 9.00   | 12.92 | 0.78                   | 2.78  | 3.54 | 3.24      |      |
| 9+9+18   |              | 9                          | 9      | 18     | —      | —  | 2.63                              | 2.63   | 5.25   | —    | —    | 2.89                        | 10.50  | 12.30 | 0.78                   | 3.26  | 3.73 | 3.22      |      |
| 9+9+24   |              | 9                          | 9      | 24     | —      | —  | 2.46                              | 2.46   | 6.57   | —    | —    | 2.89                        | 11.50  | 12.92 | 0.78                   | 3.57  | 3.88 | 3.22      |      |
| 9+12+12  |              | 9                          | 12     | 12     | —      | —  | 2.45                              | 3.27   | 3.27   | —    | —    | 2.89                        | 9.00   | 11.07 | 0.78                   | 2.78  | 3.54 | 3.24      |      |
| 9+12+18  |              | 9                          | 12     | 18     | —      | —  | 2.54                              | 3.38   | 5.08   | —    | —    | 2.89                        | 11.00  | 11.69 | 0.78                   | 3.42  | 3.73 | 3.22      |      |
| 9+12+24  |              | 9                          | 12     | 24     | —      | —  | 2.30                              | 3.07   | 6.13   | —    | —    | 2.89                        | 11.50  | 12.92 | 0.78                   | 3.57  | 3.88 | 3.22      |      |
| 9+18+18  |              | 9                          | 18     | 18     | —      | —  | 2.40                              | 4.80   | 4.80   | —    | —    | 2.89                        | 12.00  | 12.92 | 0.78                   | 3.74  | 3.88 | 3.21      |      |
| 12+12+12 |              | 12                         | 12     | 12     | —      | —  | 3.17                              | 3.17   | 3.17   | —    | —    | 2.89                        | 9.50   | 11.07 | 0.78                   | 2.93  | 3.65 | 3.24      |      |
| 12+12+18 |              | 12                         | 12     | 18     | —      | —  | 3.29                              | 3.29   | 4.93   | —    | —    | 2.89                        | 11.50  | 12.92 | 0.78                   | 3.57  | 3.88 | 3.22      |      |
| 12+12+24 |              | 12                         | 12     | 24     | —      | —  | 3.00                              | 3.00   | 6.00   | —    | —    | 2.89                        | 12.00  | 12.92 | 0.78                   | 3.74  | 3.88 | 3.21      |      |
| 12+18+18 |              | 12                         | 18     | 18     | —      | —  | 3.00                              | 4.50   | 4.50   | —    | —    | 2.89                        | 12.00  | 12.92 | 0.78                   | 3.74  | 3.88 | 3.21      |      |
| 1:4      |              | 7+7+7+7                    | 7      | 7      | 7      | 7  | —                                 | 2.00   | 2.00   | 2.00 | 2.00 | —                           | 3.69   | 8.00  | 10.50                  | 0.89  | 2.45 | 3.35      | 3.26 |
|          |              | 7+7+7+9                    | 7      | 7      | 7      | 9  | —                                 | 1.98   | 1.98   | 1.98 | 2.55 | —                           | 3.69   | 8.50  | 11.07                  | 0.89  | 2.61 | 3.54      | 3.26 |
|          |              | 7+7+7+12                   | 7      | 7      | 7      | 12 | —                                 | 2.02   | 2.02   | 2.02 | 3.45 | —                           | 3.69   | 9.50  | 11.69                  | 0.89  | 2.92 | 3.65      | 3.25 |
|          |              | 7+7+7+18                   | 7      | 7      | 7      | 18 | —                                 | 2.06   | 2.06   | 2.06 | 5.31 | —                           | 3.69   | 11.50 | 12.30                  | 0.89  | 3.57 | 4.10      | 3.22 |
|          |              | 7+7+7+24                   | 7      | 7      | 7      | 24 | —                                 | 1.87   | 1.87   | 1.87 | 6.40 | —                           | 3.69   | 12.00 | 13.53                  | 0.89  | 3.74 | 4.29      | 3.21 |
|          |              | 7+7+9+9                    | 7      | 7      | 9      | 9  | —                                 | 2.08   | 2.08   | 2.67 | 2.67 | —                           | 3.69   | 9.50  | 11.69                  | 0.89  | 2.92 | 3.65      | 3.25 |
|          |              | 7+7+9+12                   | 7      | 7      | 9      | 12 | —                                 | 2.00   | 2.00   | 2.57 | 3.43 | —                           | 3.69   | 10.00 | 12.30                  | 0.89  | 3.08 | 4.10      | 3.25 |
|          | 7+7+9+18     | 7                          | 7      | 9      | 18     | —  | 1.96                              | 1.96   | 2.52   | 5.05 | —    | 3.69                        | 11.50  | 12.30 | 0.89                   | 3.57  | 4.10 | 3.22      |      |
|          | 7+7+9+24     | 7                          | 7      | 9      | 24     | —  | 1.79                              | 1.79   | 2.30   | 6.13 | —    | 3.69                        | 12.00  | 13.53 | 0.89                   | 3.74  | 4.29 | 3.21      |      |
|          | 7+7+12+12    | 7                          | 7      | 12     | 12     | —  | 1.93                              | 1.93   | 3.32   | 3.32 | —    | 3.69                        | 10.50  | 12.92 | 0.89                   | 3.25  | 4.10 | 3.23      |      |
|          | 7+7+12+18    | 7                          | 7      | 12     | 18     | —  | 1.83                              | 1.83   | 3.14   | 4.70 | —    | 3.69                        | 11.50  | 13.53 | 0.89                   | 3.57  | 4.10 | 3.22      |      |
|          | 7+7+12+24    | 7                          | 7      | 12     | 24     | —  | 1.72                              | 1.72   | 2.95   | 5.90 | —    | 3.69                        | 12.30  | 13.53 | 0.89                   | 3.83  | 4.29 | 3.21      |      |
|          | 7+7+18+18    | 7                          | 7      | 18     | 18     | —  | 1.72                              | 1.72   | 4.43   | 4.43 | —    | 3.69                        | 12.30  | 13.53 | 0.89                   | 3.83  | 4.29 | 3.21      |      |
|          | 7+9+9+9      | 7                          | 9      | 9      | 9      | —  | 2.06                              | 2.65   | 2.65   | 2.65 | —    | 3.69                        | 10.00  | 12.30 | 0.89                   | 3.08  | 4.10 | 3.25      |      |
|          | 7+9+9+12     | 7                          | 9      | 9      | 12     | —  | 1.99                              | 2.55   | 2.55   | 3.41 | —    | 3.69                        | 10.50  | 12.92 | 0.89                   | 3.25  | 4.10 | 3.23      |      |
|          | 7+9+9+18     | 7                          | 9      | 9      | 18     | —  | 1.87                              | 2.41   | 2.41   | 4.81 | —    | 3.69                        | 11.50  | 13.53 | 0.89                   | 3.57  | 4.10 | 3.22      |      |
|          | 7+9+9+24     | 7                          | 9      | 9      | 24     | —  | 1.76                              | 2.26   | 2.26   | 6.02 | —    | 3.69                        | 12.30  | 13.53 | 0.89                   | 3.83  | 4.29 | 3.21      |      |
|          | 7+9+12+12    | 7                          | 9      | 12     | 12     | —  | 2.01                              | 2.59   | 3.45   | 3.45 | —    | 3.69                        | 11.50  | 13.53 | 0.89                   | 3.57  | 4.10 | 3.22      |      |
|          | 7+9+12+18    | 7                          | 9      | 12     | 18     | —  | 1.83                              | 2.35   | 3.13   | 4.70 | —    | 3.69                        | 12.00  | 13.53 | 0.89                   | 3.74  | 4.29 | 3.21      |      |
|          | 7+9+12+24    | 7                          | 9      | 12     | 24     | —  | 1.66                              | 2.13   | 2.84   | 5.68 | —    | 3.69                        | 12.30  | 13.53 | 0.89                   | 3.83  | 4.29 | 3.21      |      |
|          | 7+9+18+18    | 7                          | 9      | 18     | 18     | —  | 1.66                              | 2.13   | 4.26   | 4.26 | —    | 3.69                        | 12.30  | 13.53 | 0.89                   | 3.83  | 4.29 | 3.21      |      |
|          | 7+12+12+12   | 7                          | 12     | 12     | 12     | —  | 1.87                              | 3.21   | 3.21   | 3.21 | —    | 3.69                        | 11.50  | 13.53 | 0.89                   | 3.57  | 4.10 | 3.22      |      |
|          | 7+12+12+18   | 7                          | 12     | 12     | 18     | —  | 1.71                              | 2.94   | 2.94   | 4.41 | —    | 3.69                        | 12.00  | 13.53 | 0.89                   | 3.74  | 4.29 | 3.21      |      |
|          | 9+9+9+9      | 9                          | 9      | 9      | 9      | —  | 2.63                              | 2.63   | 2.63   | 2.63 | —    | 3.69                        | 10.50  | 12.92 |                        |       |      |           |      |

# INDOOR COMBINATION AND VARIABLE CAPACITY FOR 42K HEAT PUMP (SYSTEM 5)

## HEATING

| COMB.    | INDOOR UNITS | COMBINATIONS (X1000 BTU/H) |        |        | UNIT D |      | RATED CAPACITY (kW)(NOM. COOLING) |        |        | UNIT D |      | 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                              | —      | —      | —      | —    | 1.66                        | 2.50  | 2.90  | 0.45                   | 0.69  | 0.87 | 3.61      |
|          | 9            | 9                          | —      | —      | —      | —    | 3.00                              | —      | —      | —      | —    | 1.66                        | 3.00  | 3.20  | 0.45                   | 0.83  | 1.04 | 3.61      |
|          | 12           | 12                         | —      | —      | —      | —    | 3.80                              | —      | —      | —      | —    | 1.66                        | 3.80  | 3.90  | 0.45                   | 1.05  | 1.26 | 3.61      |
|          | 18           | 18                         | —      | —      | —      | —    | 5.60                              | —      | —      | —      | —    | 1.85                        | 5.60  | 7.00  | 0.58                   | 1.55  | 1.78 | 3.61      |
| 1:2      | 24           | 24                         | —      | —      | —      | —    | 7.60                              | —      | —      | —      | —    | 2.09                        | 7.60  | 8.50  | 0.70                   | 2.10  | 2.20 | 3.62      |
|          | 7+7          | 7                          | 7      | —      | —      | —    | 2.50                              | 2.50   | —      | —      | —    | 2.34                        | 5.00  | 7.38  | 0.57                   | 1.38  | 1.95 | 3.63      |
|          | 7+9          | 7                          | 9      | —      | —      | —    | 2.45                              | 3.15   | —      | —      | —    | 2.34                        | 5.60  | 7.63  | 0.57                   | 1.54  | 2.09 | 3.63      |
|          | 7+12         | 7                          | 12     | —      | —      | —    | 2.21                              | 3.79   | —      | —      | —    | 2.34                        | 6.00  | 8.00  | 0.57                   | 1.65  | 2.26 | 3.63      |
|          | 7+18         | 7                          | 18     | —      | —      | —    | 2.24                              | 5.76   | —      | —      | —    | 2.34                        | 8.00  | 9.84  | 0.57                   | 2.20  | 2.39 | 3.63      |
|          | 7+24         | 7                          | 24     | —      | —      | —    | 2.21                              | 7.59   | —      | —      | —    | 2.34                        | 9.80  | 11.69 | 0.57                   | 2.71  | 2.70 | 3.62      |
|          | 9+9          | 9                          | 9      | —      | —      | —    | 3.00                              | 3.00   | —      | —      | —    | 2.34                        | 6.00  | 8.00  | 0.57                   | 1.65  | 2.26 | 3.63      |
|          | 9+12         | 9                          | 12     | —      | —      | —    | 2.91                              | 3.89   | —      | —      | —    | 2.34                        | 6.80  | 8.61  | 0.57                   | 1.87  | 2.29 | 3.63      |
|          | 9+18         | 9                          | 18     | —      | —      | —    | 2.93                              | 5.87   | —      | —      | —    | 2.34                        | 8.80  | 11.07 | 0.57                   | 2.42  | 2.53 | 3.63      |
|          | 9+24         | 9                          | 24     | —      | —      | —    | 2.78                              | 7.42   | —      | —      | —    | 2.34                        | 10.20 | 12.30 | 0.57                   | 2.82  | 2.86 | 3.62      |
|          | 12+12        | 12                         | 12     | —      | —      | —    | 3.75                              | 3.75   | —      | —      | —    | 2.34                        | 7.50  | 9.23  | 0.57                   | 2.07  | 2.39 | 3.63      |
|          | 12+18        | 12                         | 18     | —      | —      | —    | 3.76                              | 5.64   | —      | —      | —    | 2.34                        | 9.40  | 11.69 | 0.57                   | 2.59  | 2.76 | 3.63      |
|          | 12+24        | 12                         | 24     | —      | —      | —    | 3.50                              | 7.00   | —      | —      | —    | 2.34                        | 10.50 | 12.30 | 0.57                   | 2.90  | 3.03 | 3.62      |
|          | 18+18        | 18                         | 18     | —      | —      | —    | 5.50                              | 5.50   | —      | —      | —    | 2.34                        | 11.00 | 12.30 | 0.57                   | 3.04  | 3.03 | 3.62      |
|          | 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 |           |
| 1:3      | 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 | 1     |                        |       |      |           |

## PD PORTABLE



New, more environmentally friendly refrigerant R290



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



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         | A                 |
| <b>kW</b> | <b>2,9</b>        |
| W         | 1045              |
| A         | 5,0               |
| W/W       | 2,8               |
| A+        | A+                |
| L/h       | 3,25              |
| W         | 1600              |
| A         | 8,0               |
| A         | 25                |
| m³/h      | 420/370/350       |
| dB(A)     | 55/54/53          |
| dB(A)     | 64                |
|           | R290              |
|           | Remote Control    |
| °C        | 17-35/5-30        |
| m²        | 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

**Next**Gen



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

100%





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