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**SAMSUNG**

2010 Samsung Air Conditioner | When comfort is a short breeze away, imagination lives

When comfort is a short breeze away,  
imagination *lives*



Your environment is key to maintaining peace in your life. The Samsung air conditioner creates a comfortable environment with an invigorating breeze that keeps you energized.

Smart thinking, Simple living

Smart thinking, Simple living

**SAMSUNG**



## Smart Thinking, Simple Living

You want to live easier as life gets harder. Just because life is complicated doesn't mean you have to live that way. Simplify your lifestyle without dealing with complexity. Our understanding of your needs for a better life made us put more effort in creating the perfect solution for a carefree life.

At Samsung, while we always aim to provide the most up-to-date innovations, we believe that innovations in home appliances should also make life simple, easy, and more comfortable. With Samsung Home Appliances, experience the wonders of smart appliances that take your life to another level of effortless comfort - helping you spend more time on the more important things in your life.

Filling your home with Samsung's simplified but advanced home appliances doubles your comfort and satisfaction. Don't sacrifice ease for the latest technology. Let Samsung provide state-of-the-art innovative technology in simplified products. Enjoy smart thinking for simple living with Samsung Electronics.





# Samsung is moving with and ahead of our customers

A brand is created by its customers and that's the novel perspective at Samsung. With all the customer attention, Samsung had another successful year. Business Week and Interbrand ranked Samsung 19th in Global Brands.

Samsung has overtaken Sony as the world's biggest producer of televisions and its strong product development has resulted in global leadership in the television segment. Samsung improved its position from third to the second leading player in mobile phones worldwide. The philosophy of bringing people the latest technology at a fair price has quickly made it a firm consumer favorite. New concept shops have been successful in translating to a more expert and demanding audience by showing the benefits of engaging with the brand.

As a global leader, Samsung will continue to create future with the customers.



## Global Business Network

● 6 Global Operation Centers   ● 7 Design Centers   ● 10 Global Headquarters   ● 4 HA R&D Centers





# PlanetFirst™ with Samsung Electronics



"Samsung believes in the power of innovation today for a sustainable tomorrow."

Every day, all of us need to seek new ways to reduce energy consumption at home and at work. To fulfill customer's greener way of life, Samsung continues to manufacture eco-friendly products. Unfortunately, many consumers are unaware of green products and feel there are not enough options. So now, Samsung created PlanetFirst™ which applies to all of Samsung's eco friendly products, partnerships or internal programs.

PlanetFirst™ is the name that easily identifies eco-friendly products from Samsung. These products join customers' desire of living a green lifestyle with enjoying the latest in technology. PlanetFirst™, a unique communication, makes Samsung's commitment, mind-set, and approach to greener living clear and straightforward. As Samsung continues to work, develop, engineer, and design innovative products to satisfy customers, PlanetFirst™ also means these technologies, designs, and manufacturing processes are greener. Your choice of PlanetFirst™ products help preserve nature and reduce energy use.

Samsung is always striving to find new and better ways to reduce our impact on the environment without sacrificing complete satisfaction in its products. Samsung started by simply reducing, reusing, and recycling; then by challenging employees to seek out and adopt extraordinary breakthroughs that make Samsung's processes and products healthier, safer, and less carbon dependent. So help the cause and start your own journey in being green with PlanetFirst™.

## Eco-labels & Declaration

Samsung Electronics makes an effort to develop environment-friendly products that minimize the negative impacts on the environment in every aspect of its products, from raw material procurement, production, transportation, usage, and final disposal. Concerns for the environment are at the core of each product development.

Samsung's environment-friendly technologies and recycling programs have received global approval, receiving well-known awards and recognitions worldwide.



## Four Seasons of Hope

Samsung's Four Seasons of Hope is about kids. It's about using the power of our brand to give something back to the communities we serve.

Samsung's Four Seasons of Hope supports community-based foundations and charities headed by some of this country's favorite sports legends. Samsung pledges to raise national awareness and funds for these outstanding charities and to identify how others can also make a difference in the lives of these children and families.



## Samsung Recycling Direct<sup>SM</sup>

All good things come to an end. Let's make sure it's a Green end.

As technology continually evolves, so will your digital lifestyle. When you upgrade your consumer electronics, you will need to recycle your old products responsibly. That's why we're proud to reaffirm our commitment and responsibility to recycle Direct<sup>SM</sup> using the new Samsung Recycling program launched on October 1st, 2008.





# 'Eco-friendly' Samsung

## Preserves the nature you live in.

Thinking of you and the environment, Samsung plans for the future. Realizing your hopes for a greener, healthier life for you and the generations that follow, Samsung's environmentally friendly technologies work to make the world a more beautiful place.



### Air & Water Conservation

As a leading innovator of environment-friendly products and technologies, Samsung products already drastically reduce the strains on nature's valuable resources. Samsung uses R-600, a natural refrigerant, and cyclopentane insulation in its refrigerators, which do not promote global warming and does not add to the greenhouse effect. Samsung's water-efficient washing machines also use less detergent and water without effecting cleanliness, helping to conserve water.



### Use Less, Save More

Samsung products are energy efficient, receiving Energy Grade A+ in the EU and ENERGY STAR in the U.S. Samsung washers with its ceramic heaters use less power, which saves you energy, money, and time. This energy-efficient technology protects you and nature, giving you a greener lifestyle.



### Global Recycling

Samsung Electronics is making significant efforts to save the environment and complies with the WEEE (Waste Electrical and Electronic Equipment) directive by joining or establishing the recycling schemes for each country.

## Samsung Eco-Friendly Air Conditioner

Making continuous efforts to stay eco-friendly, Samsung's air conditioners use R-410a, an environmentally friendly refrigerant to help rid the air of pollutants and restrain the use of materials with high global warming potential (GWP). Most Samsung products have received Energy Grade A+ in the EU and ENERGY STAR in the U.S. These energy-efficient air conditioners not only save you money, but help conserve the environment.







## Galeria de Innovacion 2009

Samsung attended Europe's largest air-conditioner exhibition "Climatization" in Madrid, Spain. Samsung air conditioner's beautiful design with innovative features was awarded the "Galeria de Innovacion". The idea behind this award is to encourage innovation in the practical application of know-how and technologies in industrial development. Once again, Samsung proves its unsurpassed standards in quality.



## iF Product Design Award 2009

As one of the world's oldest & prestigious design competitions, the iF product design award has stood for qualitatively outstanding design awards for over 50 years. And Samsung's air conditioner with its design innovations has won the iF product design award for the year 2009. Samsung air conditioner continues to receive worldwide recognition and awards, proving high quality of function and beauty.



## Comfort & Design 2008

Organized by Fiera Milano International, 36th Mostra Convegno Expocomfort / Expobagno 2008 aimed to reward the best product that shows a high level of environmental quality, providing a complete overview of the sector along the lines of "Comfort & Living Technology". And Samsung air conditioner won the prize conferring a valid and professional recognition for the best product in the ceremony .

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| 12         | 38         | 62               | 68          | 84                  | 90             |
| Innovation | Split Type | Multi Split Type | Window Type | Floor Standing Type | Specifications |

### RECEIVED CERTIFICATIONS AND AWARDS





Air Purifying Technology

# MPI (Micro Plasma Ion)



MPI improves your indoor Air Quality (IAQ) by eliminating the biological contaminants that threaten your health such as viruses, bacteria, and allergy causing agents. Samsung Micro Plasma Ion system, an advanced air purifying technology, offers you fresh, clean air you can enjoy.



## Healthy & Clean air

### Outstanding Technology

Samsung introduces the world's first bacteria-eradication technology that safely eliminates harmful contaminants in the air.



#### Complete Bacteria Eradication (Viruses and even pathogens)

Eliminates common cold viruses and influenza viruses as well as bacteria and harmful fungi. It even eliminates corona viruses (the SARS virus is a strain of the corona virus), which has become a deadly pathogen.



**Best Bacteria Eradication Technology in the Industry**



#### Eliminates Allergens (Allergen: Substance that causes allergy)

Efficiently eliminates mites, pollen, dust, animal hairs, and other allergens that cause allergies with symptoms such as rhinitis, asthma, fever, and rash.



#### Neutralizes Active Oxygen Radicals (Neutralizes OH-radicals in indoor air)

Effective in neutralizing toxic OH-radicals which are known to be harmful to humans and to be the cause of many diseases.



**World's First Anti-bacterial Ion Proved to be Safe**



#### Safe in Human (Confirmed by animal toxicity test)

Seoul National University Toxicology Lab conducted a safety test and results conclude that this technology is safe and non-toxic for humans.



**World's First OH Radical Neutralization by Active Hydrogen**

### Eliminate 99% of H1N1 Flu

Joint research between Samsung and a local research team led by Sang-hee Suh, the first team in the world to develop an H1N1 flu vaccine, has proven that Samsung's one-of-a-kind sanitizing technology, Micro Plasma (Super Plasma Ion), eliminates 99.9% of Influenza A virus subtype H1N1.



World's foremost expert on H1N1 flu, Prof. Sang-hee Suh

### Comparison of Ion Purification Function

|   | Samsung  |              | Company A  |           | Company B |                     |
|---|--|--------------|--|-----------|-----------|---------------------|
| Ion Generation<br>(Under Samsung Standard, within 1m <sup>3</sup> measured) | (+) Ion  | 0.5Mil/cc    | (+) Ion  | 0.4Mil/cc | (+) Ion   | Less than 0.1Mil/cc |
|   | (-) Ion  | 1Mil/cc Over | (-) Ion  | 1Mil/cc   | (-) Ion   | Less than 0.1Mil/cc |
| Active Oxygen (OH radical) Neutralization                                   | Yes  |              | None   |           | None      |                     |
| Virus Elimination   | 99.6%  |              | No Information Available                               |           | 89.15%    |                     |
| How to Remove Harmful Substances in Air                                     | Bacteria-Eliminating Technology by Releasing Harmless Active Hydrogen and O <sub>2</sub> <sup>-</sup><br><br>(Proved Non-Toxic in Toxic Test-Seoul Toxicology Lab) |              | No Information on Safety Available. (Safety Uncertain) |           |           |                     |

(Samsung Lab. tested, 2007)

# MPI (Micro Plasma Ion)



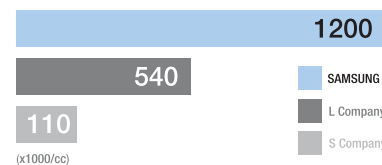
## How Does Samsung MPI Technology Compare with Other Ion Systems?

**Superb Coverage.**  
The MPI system purifies over 19.16m<sup>3</sup> of space unlike its competitors.

**Excellent Purification Performance.**  
The MPI system generates more ions, making it more effective in purifying the air.

**See the MPI System at Work.**  
A blue light illuminates to signal the purification of the air.

### Negative Ion



## MPI System With Superior Results

MPI technology releases an enormous amount of Active hydrogen and Oxygen to eliminate harmful particles in the air. As a result, the harmful particles decompose into water which lets you breathe clean, fresh air just by changing your air conditioner with MPI technology.

### Always Have Fresh, Clean Air

#### Creation of an Intensely Purified Zone

This innovative MPI technology even eliminates most airborne particles, including viruses, bacteria, fungi and allergens that filters couldn't trap. Keep the air you breathe everyday clean and healthy.

#### Protection against Disease

By eliminating biological contaminants, your family is protected from toxins that cause sickness, which means less headaches and runny noses. Samsung's unique technology keeps you and your family healthy and strong.

#### Safe from Allergy-causing Agents

As MPI eliminates allergy-causing bacteria in the air, you'll find your kids aren't scratching themselves even with pets in the house, that you suffer less from seasonal allergies, and you simply breathe better. Make your home an allergy-free haven with Samsung's MPI technology.

#### Controls Active Oxygen

Although vital to the body, active oxygen in excess can cause disease, cancer, and accelerated aging. MPI not only keeps you healthy, it keeps you from getting wrinkles. Now smile and laugh without worrying about wrinkles and enjoy effective skin care just by turning on your air conditioner.

### Protect Your Family's Health

#### For People Sensitive to Toxins

MPI is recommended for people who often feel sick from chemicals in the air. Reducing the level of toxins in the air, minimizes irritation.

#### For Children and Elderly People

More sensitive to viruses, children and the elderly require better protection, which the Micro Plasma Ion offers.

#### For Allergy-Sufferers

MPI effectively removes allergic agents, so you always have fresh air even with pets in the house.



## Globally Recognized Air Purification Technology

In limited spaces like automobiles and elevators, the MPI system exhibits its outstanding technology by providing the highest level of fresh clean air.



### MPI Technology Applied to Renault Samsung Automobiles

SM7 and SM5, high-end Renault Samsung automobiles, have adopted MPI technology to reduce toxins in its closed space. According to in-car testing, 78% of mold and 58% of bacteria are eliminated with only 30 minutes of use within the car.

#### Patent application

Applied for 29 related patents in Korea and 42 worldwide original patents for its MPI technology.



| 29 patents         |            | 42 patents            |          |
|--------------------|------------|-----------------------|----------|
| S class 1          | A class 13 | China 13              | US 12    |
| B class 15         |            | Japan 10              | Europe 7 |
| Korean application |            | Worldwide application |          |

Based on data from March, 2008

## What Kind of Harmful Particles Does MPI Eliminate?

Samsung's unique MPI technology eliminates contaminants that cause influenza to allergies such as viruses, bacteria, molds and allergens. Protect your family from toxins that cause sickness with the outstanding MPI technology.

- Airborne bacteria and viruses:** Causes various diseases such as influenza, chicken pox, SARS even bird flu.
- High-allergen agents:** Causes diverse allergies
- Active oxygen:** Speeds up the skin aging process

- Bacteria:** Causes a variety of diseases and symptoms
- Ticks:** Causes skin irritations and respiratory problems

- Molds:** Nurtures and spreads harmful viruses and ticks
- Dust in the air:** Causes asthma, headaches, and bronchitis

## Micro Plasma Ion Acknowledged By Public organizations



### Seal of Approval on Removal of Airborne Allergens

Test institute: BAF (The British Allergy Foundation), chamber size (19.16m<sup>3</sup>), Relative humidity: 69%, temperature:20°C



### Atomic Hydrogen Generation

Reported at the 2nd International Workshop on Cold Atmospheric Pressure Plasmas, August 30, Bruges, Belgium.



### Active Oxygen (OH Radical) Elimination

Reported at the 7th Colloquium ASA Sept. 2005 France.

| Substance   | Effectiveness                      | Certified by  |
|---|------------------------------------|---|
| Influenza virus type A  | 99.7% Elimination                  | Kitasato Environmental Science Center<br>Yonsei University            |
| Corona virus (strains such as SARS Virus)                     | 99.6% Elimination                  |   |
| Penicillium   | 98.4% Elimination                  | Kitasato Environmental Science Center                                 |
| Aspergillus   | 96.4% Elimination                  |   |
| Cladosporium  | 98.9% Elimination                  |   |
| Staphylococcus aureus   | 99.96% Elimination                 |   |
| Micrococcus   | 99.86% Elimination                 |   |
| MRSA <sup>1)</sup> (antibiotic resistant nosocomial pathogen) | 99.99% Elimination                 | Korea Consuming Science Research Center                               |
| Mold Staphylococcus Aureus/E. coli                            | 99.9% Elimination                  |   |
| Allergen (Dust Mite, Cat/Dog Allergen)                        | Effectiveness certified            | Acquired BAF <sup>2)</sup> (U.K) Seal                                 |
|   | Effectiveness certified            | RTI <sup>3)</sup> Test (U.S.A)  |
| Indoor contaminants   | Over 90% Elimination               | Shanghai Preventive Municipal Center for Disease Prevention & Control |
| Animal toxicity test  | Non-toxic                          | Seoul Toxicology Laboratory   |
| Active hydrogen atom  | Active hydrogen formation verified | Hiroshima University  |
| OH-radical  | Active oxygen neutralized          |   |

<sup>1)</sup> MRSA : Methicillin-resistant Staphylococcus aureus (antibiotic resistant nosocomial pathogen)

<sup>2)</sup> BAF : British Allergy Foundation (certification institute)

<sup>3)</sup> RTI : Research Triangle Institute (allergy research institute, USA)



Advanced Technology

# Health Care System

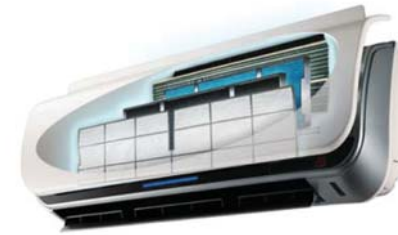


Samsung's greatest asset is that it cares; it cares about your comfort and health. Samsung air conditioner not only emits cool air, but its multi-layered purifying filter transforms polluted indoor air into clean, energizing air. It also prevents the growth of bacteria caused by humidity so your air conditioner is always clean and ready to use.

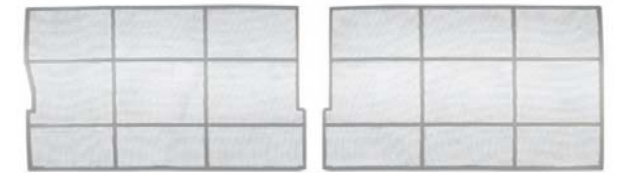


## Air Purifying System

The Samsung Multi-Step Air Purifying System removes almost all harmful elements to human beings and the system also keeps the interior of the air conditioner ultra-clean, so only ultra-fresh air is produced.

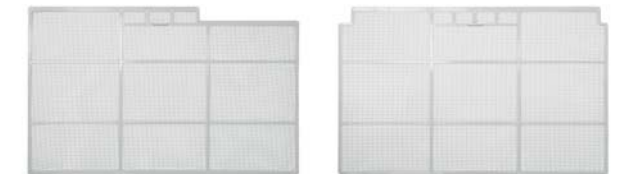


### Step 01



#### Silver Coated Filter

The silver-nano coating applied to the filter, serves to trap and remove dust particles.



#### Anti-virus Filter (option)

Anti-virus filter is made with ultra thin filament and has stronger dust removal ability.

### Step 02



#### DNA Filter (option)

The DNA structure possesses qualities in absorbing and eliminating microscopic carcinogenic agents.



#### Catechin Filter (option)

Catechin is contained in the filter and deactivates captured bacteria and unpleasant odors.

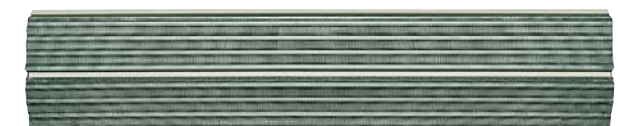
### Step 03



#### Deodorizing Filter (option)

Activated carbon is incorporated in the filter, efficiently absorbing all odors.

### Step 04



#### Silver Coated Evaporator (option)

The fins of the evaporator are triple coated to ensure efficient removal of condensation.

### Step 05



#### Anti-Bacterial Cross Fan

Molded with an antibacterial formula to suppress proliferation of molds and bacteria, prevents the causes of unpleasant odors.

### Step 06



#### MPI (Micro Plasma Ion)

MPI improves your indoor air quality by eliminating biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health.



# Health Care System



2010 SAMSUNG Air Conditioner



## Auto Cleaning

Does your air conditioner ever smell? Bacteria and mildew often grow in air conditioners, which cause an unpleasant odor in the air. How can you keep your air conditioner clean and working like new? The answer lies in Samsung air conditioner's Auto-Clean function. When the air conditioner is off, it stays clean by continuing to dry internally, which protects against bacteria and mildew growth.



## Filter Cleaning Indicator

Always know when to clean the filter. Samsung's Filter Cleaning Indicator automatically alerts you when the filter needs to be cleaned. Usually after about 500 hours of use, the indicator illuminates blue light to let you know that it's time to clean up. Enjoy clean, fresh air everyday, every time.

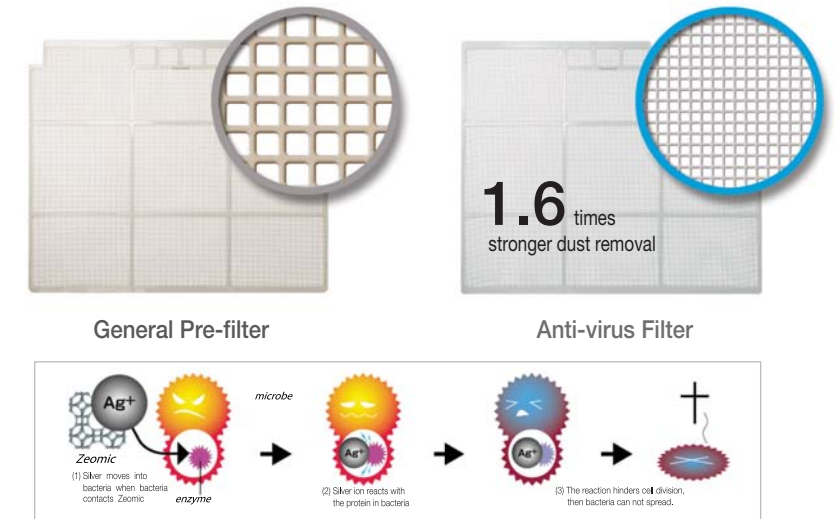


## Air Purifying Filters

Samsung's various filters eliminates the harmful substances in the air including microscopic viruses. Keep your air consistently clean and fresh for your family with Samsung's air conditioner filters with its great removing ability.

### Anti-virus Filter

Samsung's new ion coated Anti-virus filter has been enhanced 1.6 times to be stronger and more effective in removing dust compared to the general pre-filter. The ultra-compact Anti-Virus filter is made with thin filaments the size of 1/3 the thickness of a single strand of human hair. Thus, effectively eliminating microscopic dust particles as well as fungi and unpleasant odors. Samsung keeps the air you breathe clean and fresh and your home comfortable.



### Silver Technology



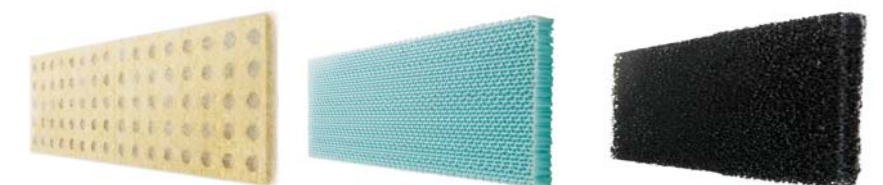
#### Silver Coated Filter

Dust particles are trapped and removed as a result of the silver nano coating of the Silver Nano Filter. Not only does the filter remove microscopic dust particles, it also exterminates fungi and eliminates unpleasant smells.

#### Silver Coated Evaporator

The Silver Coated Evaporator incorporates an innovative material found to be environmentally friendly. The fins of the evaporator are triple coated (2 layers of chrome-free neo silica, 1 layer of Silver Coating) to ensure the efficient removal of condensation and to guarantee the production of clean, fresh air.

### Unique Filter



#### DNA Filter

Samsung's DNA filter possesses qualities in absorbing and excluding microscopic carcinogenic agents. This enables for smarter and effective air management compared to other filters.

#### Catechin Filter

The Catechin filter, extracted from green tea, deactivates captured bacteria and dust. Also, this outstanding filter helps to remove unpleasant odors to keep your home fresh and clean.

#### Deodorizing Filter

Activated carbon is incorporated in the filter. This smart deodorizing filter with its splendid talent absorbs cigarette smoke, pet odors and all other unpleasant odors.



Advanced Technology

# S-Inverter

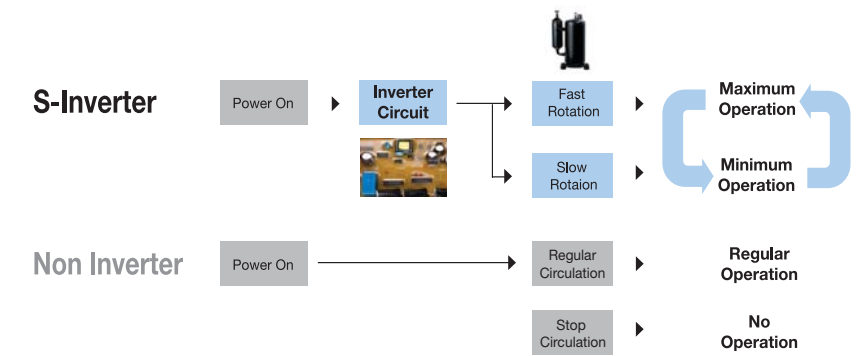


S-Inverter technology's powerful control lets you reach the desired temperature quickly and maintains precise temperatures for your complete comfort.

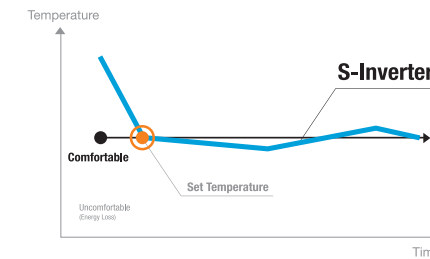


## What Is an S-Inverter?

Samsung's S-Inverter optimizes power consumption, which changes the speed of the compressor to give you complete comfort. This innovative technology makes it possible to keep the desired temperature consistently all day without shutting off. By adjusting to slight changes, the air conditioner uses less energy.

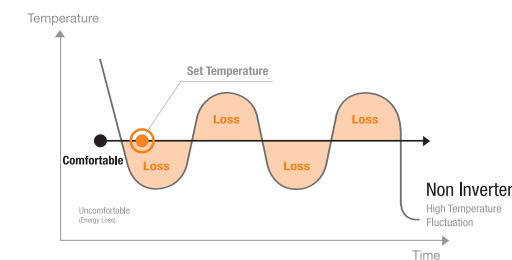


## Stable! Comfortable Temperature



### S-Inverter

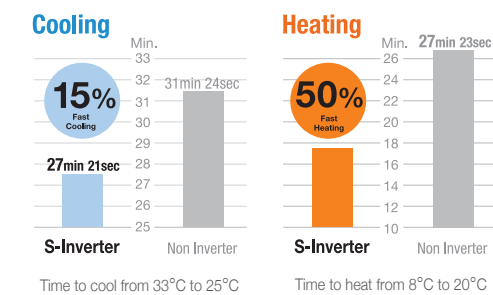
The S-Inverter air conditioner works at maximum capacity at start up. As soon as the temperature reaches the desired set temperature, it finely adjusts to cope with any changes. This means less temperature fluctuation and assures you greater comfort that can be achieved in minutes.



### Non Inverter

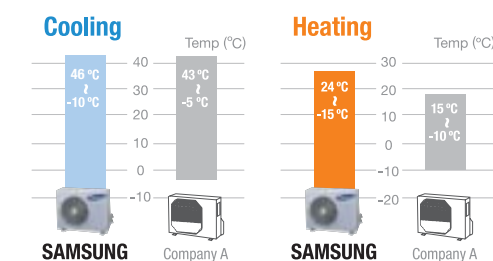
Non Inverter air conditioner shuts off and turns on every time when the temperature reaches the set temperature. Every operation requires huge energy consumption with big temperature fluctuation and the air conditioner can not keep the desired temperature for long.

## Powerful and Reliable Performance



### Fast Cooling and Heating

When you change the setting of the temperature, the air conditioner will use the maximum capacity of the compressor to reach the set temperature quickly, resulting in 15% faster cooling and 50% faster heating.



### All Temperature Performance

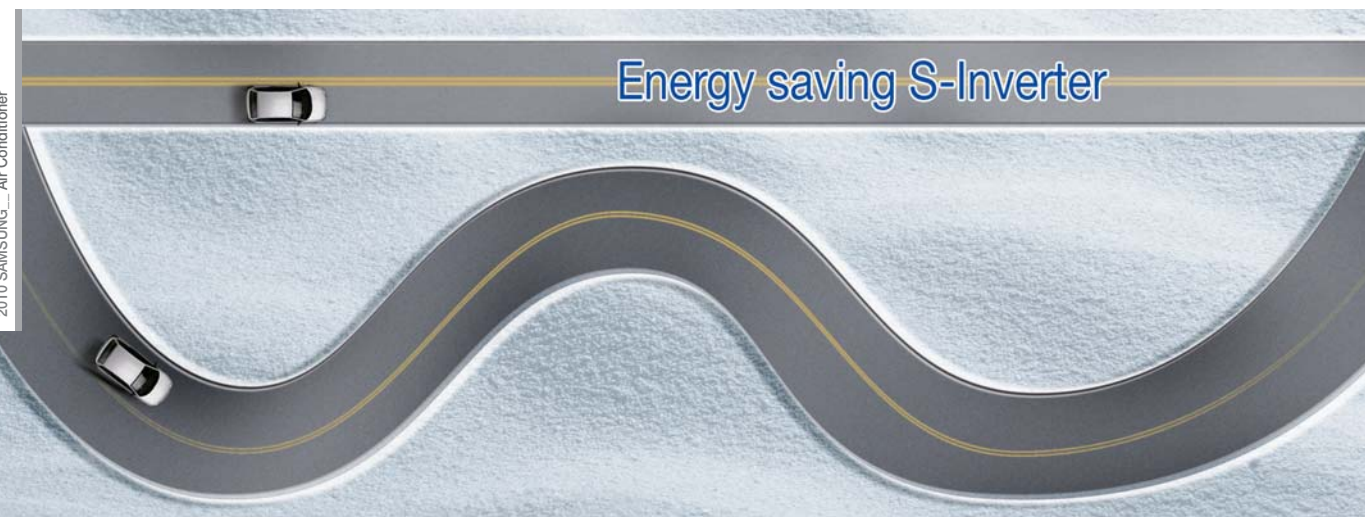
No need to worry about the Samsung air conditioner's outdoor unit in severe temperatures. With a wider range of temperature allowance than other companies, the unit can cool the air in the burning heat of 46°C or heat the air in the freezing cold of -15°C to optimize comfort.



# S-Inverter

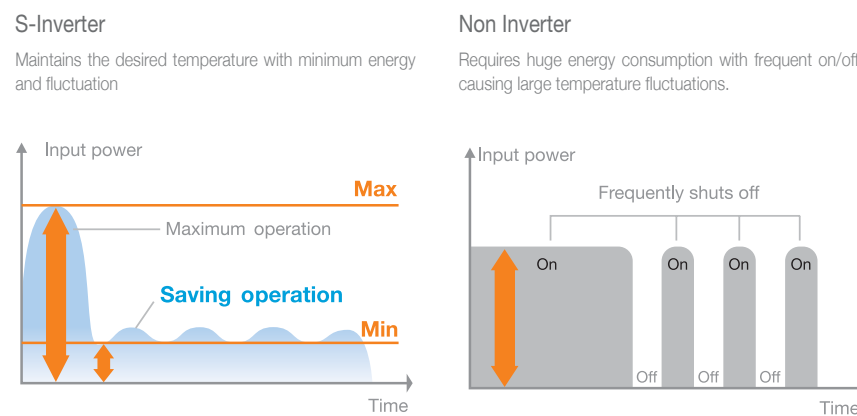


Samsung's S-Inverter technology not only lowered energy consumption by up to 50% which saves you money, it also reduced vibration for a quieter air conditioner.



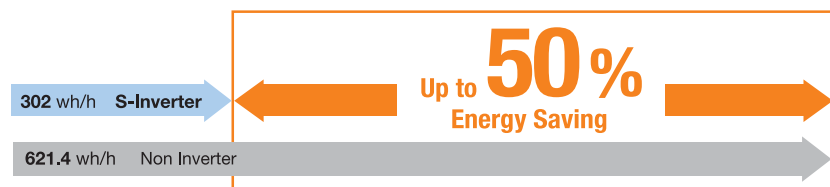
## How to Save Energy

The innovative S-Inverter technology uses the least amount of electricity to maintain the desired temperature without frequently shutting the air conditioner off. Each time the air conditioner is turned on, excess electricity power is needed. With the S-Inverter, you only need to turn on the air conditioner once, which saves you energy. Non Inverter air conditioners shut off once the desired temperature is reached, which means you have to turn it back on when it gets warm, wasting energy.



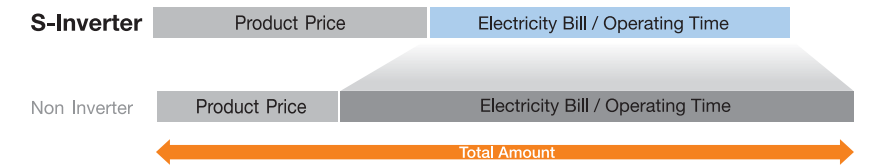
## Up to 50% Energy Savings

After reaching the set temperature, the S-Inverter air conditioner changes its operation mode to economic. By avoiding inefficient and frequent switching on and off of the compressor, the S-inverter saves up to 50% in energy consumption compared with a Non Inverter air conditioner.



## Save with High Efficiency!

Although the unit price of Samsung's S-Inverter air conditioner is initially higher than a Non Inverter air conditioner, it pays for itself in time with the money you save in electricity bills. Samsung's S-Inverter technology provides powerful, fast, dependable cooling and heating with the least amount of energy so you reduce energy waste and save money.



## Superior Performance

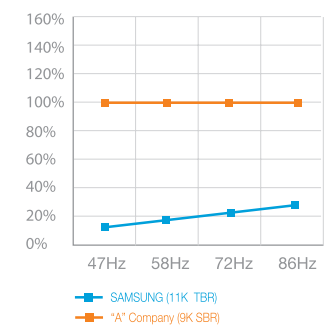
Highly efficient Samsung's S-inverter compressor controls Sine wave to offer outstanding performance and reduce noise level.

|                   | Square wave   | Sine Wave        |
|-------------------|---------------|------------------|
| Current waveforms |               |                  |
| Efficiency        | Low           | High (1~2% ↑)    |
| Noise             | High          | Low (2~3dB(A) ↓) |
| Maximum speed     | Low (80~90Hz) | High (120~130Hz) |

## Low Vibration with TBR Compressor

Samsung air conditioner applied the twin BLDC compressor with stable moving parts. This highly efficient motor provides extremely low vibration which reduced variation by 40% compared to the conventional single BLDC compressor.

Vibration (ASHRAE-T Condition)



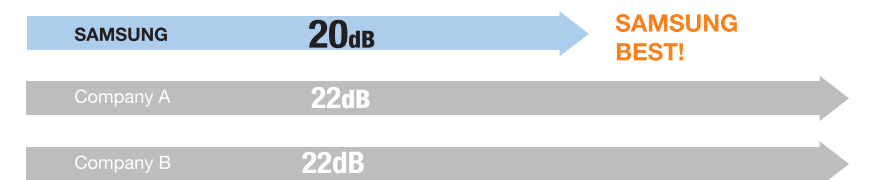
BLDC (Twin Rotary) Compressor

BLDC Compressor is applied to all FJM outdoor models.

- Highly Efficient BLDC Motor**
  - Creative motor core design
  - High density neodymium magnet
  - Concentrated type stator
- Extremely Low Vibration**
  - Twin eccentric cams
  - 2 balance weights
- Highly Stable Moving Parts**
  - Optimal material matching rollers and vanes
  - Highly robust bearings
  - Coated vane
  - Coated shaft

## Silent! Quieter Operation

Most air conditioners are noisy, especially when it first turns on. Non Inverter air conditioners are particularly noisy because they constantly shut off and on. With Samsung's S-Inverter, the air conditioner only turns on once, not repeatedly, which reduces noise. The powerful compressor also works at a lower speed to maintain the desired temperature resulting in a quieter motor and fan. Enjoy the sweet sound of silence with the Samsung air conditioner.





Advanced Technology

# Good'sleep II



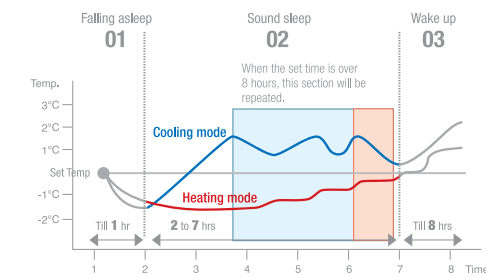
Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.



The quality of sleep you get directly impacts your physical and mental health. Concerned with your health, Samsung performed extensive experiments to determine the ideal temperatures needed to quickly fall asleep, maintain a comfortable sleep environment, and to awake refreshed. After years of testing, Samsung has developed a precise temperature control system that accurately controls the temperature and humidity in the room during the 3 stages of sleep to ensure users wake up fully refreshed and ready to start their day.

## Best Temperature for Deep Sleep

Depending on the stage of dormancy, the temperature automatically adjusts so you fall asleep faster, maintain deep sleep longer, and wake up fully refreshed.



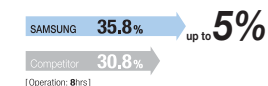
- 01 Falling asleep stage**  
Eases you into sleep by dropping the temperature.
- 02 Sound sleep stage**  
Relaxes your body and raises your temperature slightly.
- 03 Wake up stage**  
Allows you to wake up from comfortable intermittent air and it makes you feel refreshed.

## Enjoy a Pleasant Night's Sleep

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

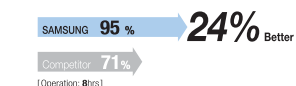
### Sleep efficiency

The Good'sleep II increases sleep efficiency compared with competitors.



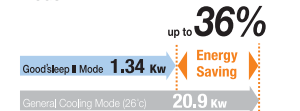
### Pleasant skin temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



### Energy saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.



## Optimal Temperatures for a Good Night's Sleep!

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

Good'sleep II is recommended for :



Those sensitive to temperature fluctuations.



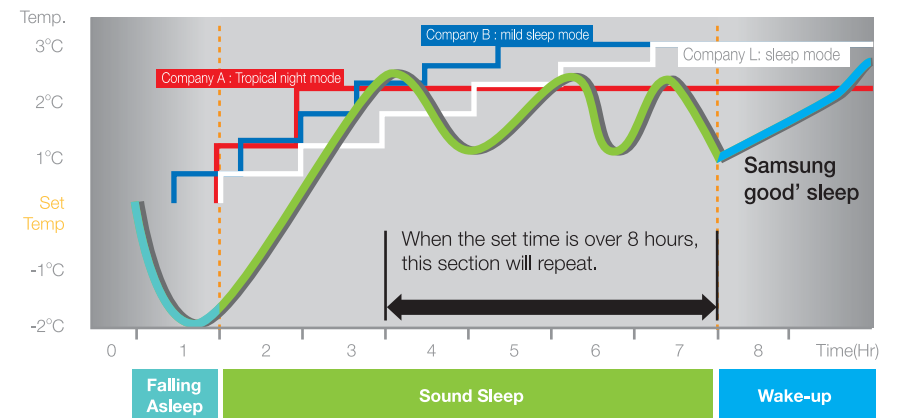
Those who suffer from insomnia.



Those who worry about energy consumption.

## Sleep Mode Comparison Table

Unlike other product's sleep mode which simply increases temperature, Samsung good'sleep considered the rhythms of human sleep.





# Comfort Care



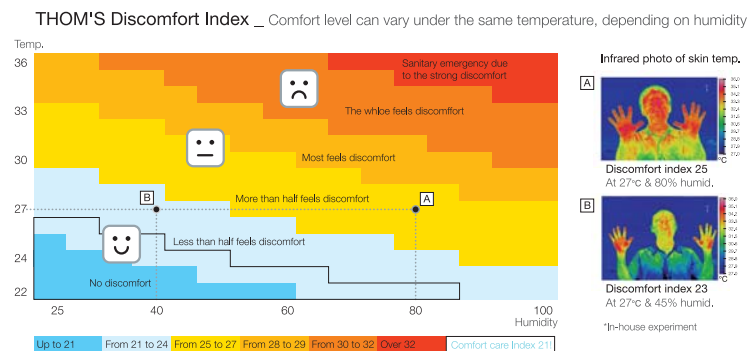
Too much air conditioning is not only hazardous to your health, but harmful to the environment as it wastes energy. Samsung's Air Conditioner uses the least amount of energy to maintain comfort levels so you and the environment stay healthy.



2010 SAMSUNG Air Conditioner

## Comfort Index 21

Simply controlling the temperature does not guarantee comfort. People can feel comfort or discomfort even at the same temperature due to the varying level of humidity in the air. Understanding this and that the ideal composite index is 21, Samsung has created 'Comfort Care' technology that not only provides powerful cooling power, but automatically adjusts humidity so that you're truly comfortably cool.



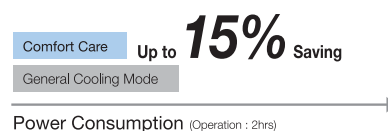
## How Comfort Care Works

1. It first measures the humidity and temperature of the room.
2. Then it calculates what temperature and humidity is needed to reach the comfort index.
3. Comfort Care adjusts the temperature and humidity automatically until the comfort index is reached.



## No More Wasteful Cooling

1. Accurately measures humidity and temperature to maintain the ideal comfort index.
2. No need to reset the temperature with automatic temperature control.
3. Customized cooling, which reduces energy waste.



# Smart Saver



You don't have to worry about your electricity bills when using a Samsung air conditioner. You no longer have to turn off your air conditioner when you feel the room is cool enough and turn it back on again when the air is not comfortable to save electricity.



2010 SAMSUNG Air Conditioner

## Save up to 31% on Your Electricity Bill

You no longer have to turn off your air conditioner when you feel the room is cool enough and turn it back on again when the room becomes hot to save electricity. Smart Saver operates the air conditioner automatically in the least amount of time necessary to cool the room, which saves electricity. In studies, up to 31% of electricity was saved by setting the temperature to 26°C when the outdoor temperature was 30°C. With the Smart Saver, you can stop worrying about your electricity bill and start enjoying cool comfort.

\*Outdoor Temperature at 30 degree

Up to **31%** Saving!

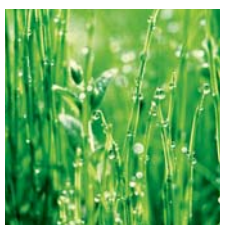
|               | Set Temperature | Mode               | Power Consumption (4hr) | Power Saving Rate (Compared to regular mode) |
|---------------|-----------------|--------------------|-------------------------|--|
| Crystal (12K) | 26°C            | Regular Mode       | 1778                    | -  |
|               |                 | <b>Smart Saver</b> | <b>1230</b>             | <b>31%</b>                                   |
|               | 24°C            | Regular Mode       | 2201                    | -  |
|               |                 | Smart Saver        | 1930                    | 12%  |

## When Is the Smart Saver Needed?

- When you repeatedly turn on and off the air conditioner to stay cool because you want to save energy.
- When you don't want to waste energy cooling an empty or near empty room.
- When it's not unbearably hot, but it's still uncomfortable, so you debate turning on the air conditioner.

## Save Energy. Save Earth.

Samsung's air conditioner presents the new Smart Saver function, never seen before, for efficient cooling with less energy consumption. With this function, users significantly save energy and money. Feel proud that you are doing your part in preserving the environment by using a product that helps save nature's resources.





Advanced Design

# Ergonomic Design

Samsung's air conditioner with its exclusive design brings high fashion into your home. Ergonomically designed, the Samsung air conditioner provides comfort and convenience. So, live better and take pride in the new Samsung air conditioner.



Advanced Design

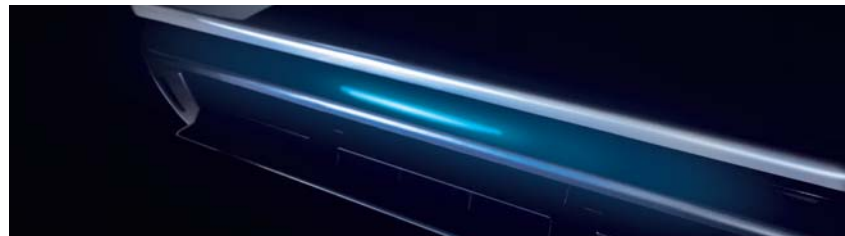
# Special Remote Control

It's an ergonomic and innovative remote control with better design, easy grip, soft touch buttons, easy-view display, and more. All these benefits in a convenient, light weight design that fits in the palm of your hand.



## Blue LED MPI Lamp

The blue LED lamp illuminates while MPI is on, so you can check the operation status at a glance. Even in the dark, you know that you're breathing cleaner air with MPI. This attractive blue light assures you that you're breathing the purest air.



## Display Window

The white LED, extra-large display window provides better visibility so anyone can check the current temperature at a glance.



## Easy Icon

The simplified icons make the Samsung air conditioner even easier to use. With easy pictograms, anyone from children to the elderly can navigate the air conditioner. Life is simply easy with Samsung.



## Ergonomic Remote Control

Simple minimal design is easy to use and the size is comfortable to grip.



01 Navigation Key

With an easy to control, circular navigation-key pad, anyone can use it from children to the old.



02 Easy View Display

Bigger, clearer numbers and icons allow for better visibility.



03 Bigger Buttons

Larger buttons for easier use.



04 Power Button

Orange colored power button makes it easy to see.

Advanced Technology

# UTR Plus™



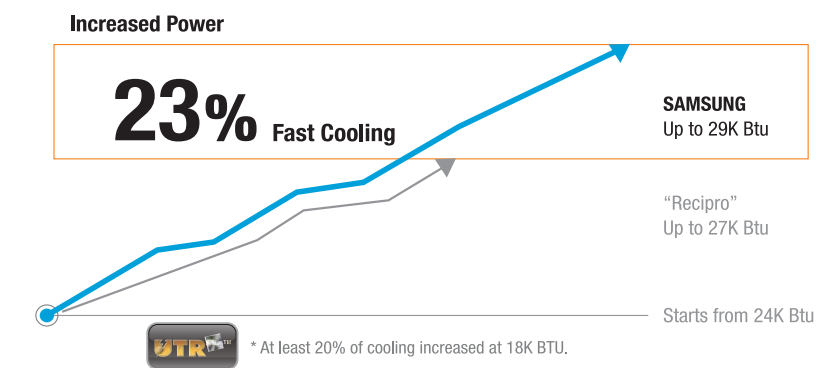
Samsung developed the UTR (Ultra Tropical Rotary) Plus™ compressor featuring incredible power that can quickly cool even in severe climates. The UTR Plus™ has the reliability to maintain superb performance even in severe temperatures of up to 60°C/140°F for a long time.



## The Most Compact and Powerful Cooling

Samsung developed the UTR (Ultra Tropical Rotary) Plus™ compressor featuring incredible power that can quickly cool the air even in severe hot climates. The UTR Plus™ with its high torque motor has the reliability to maintain superb performance even in severe temperatures of up to 60°C/140°F for a long time. The latest UTR Plus™ succeeded in saving energy consumption and increased energy efficiency by 10%. Now, switch on your air conditioner and enjoy the refreshing cool air brought to you by the UTR Plus™.

### Performance Comparison



## Built to Last

Because the lifetime of the UTR Plus™ compressor has been extended thanks to durable materials and a new welding method, you can enjoy the performance of your air conditioner for an extended length of time.

| Samsung UTR Plus Compressor |               |           | Reciprocating Compressor |               |                  |
|-----------------------------|---------------|-----------|--------------------------|---------------|------------------|
| Components                  | Wear Rate (%) | Judgement | Components               | Wear Rate (%) | Judgement        |
| Shaft                       | 5%            | Excellent | Shaft                    | 200%          | Poor             |
| Roller                      | 15%           | Good      | Connecting Rod           | 90%           | Not Satisfactory |
| Vane                        | 1%            | Excellent | Wrist Pin                | 48%           | Good             |
| Upper Bearing               | 17%           | Excellent | Lower Bearing            | 108%          | Not Satisfactory |
| Lower Bearing               | 12%           | Good      | Upper Bearing            | 82%           | Not Satisfactory |
| Cylinder                    | 11%           | Excellent | Piston                   | 85%           | Not Satisfactory |

Test Center:  
Received Certificate of Performance from Univ. of Maryland (USA)

Test Condition:  
1000 hrs Acceleration Test (Continuous Run), UTR Plus™ VS Recipro, Ambient Temperature = 54°C

Advanced Technology

# Stabilizer-Free Operation



Samsung's Stabilizer-Free air conditioner guarantees stable electric service even without a separate stabilizer. Samsung's air conditioner with built-in stabilizer lets you have cool fresh air without sacrificing interior style. With the Stabilizer-Free Operation, never worry about power failures while keeping your room looking good.



## Complete Comfort with Powerful Air

Stabilizer-Free Operation gives you fresh, powerful air under any circumstance. Even without a separate stabilizer, this air conditioner regulates the voltage keeping it stable to prevent surges in voltage and power outages. So, leave your worries behind and rely on Samsung for healthy and clean air.



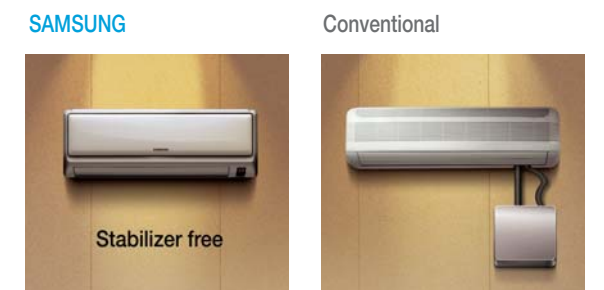
## Less Money, More Power

Samsung's Stabilizer-Free air conditioner automatically stabilizes voltage to prevent power failures, so you don't need to invest in a separate stabilizer. Even with a voltage surge of up to 290V or as little as 135V, the Stabilizer-Free air conditioner provides consistently cool, powerful, fresh air.



## Save Space with Clean Look

The Stabilizer-Free air conditioner improves the look of your home since you don't need to install a separate stabilizer. With Samsung, you don't have to sacrifice style for consistent comfort.





Advanced Technology

# Wide Open Blade Cooling & Heating Air Flow

The new Samsung air conditioners feature a wide open blade system. In conventional models, the indoor unit's blade could only open up to 70 degrees, which made it difficult to direct heated air flow to the lower spaces of the room. The wide open blade system can open the blades to an angle of 90 degrees. You can control airflow direction vertically and horizontally, providing even distribution of air to any part of the room.



## Quick Cooling

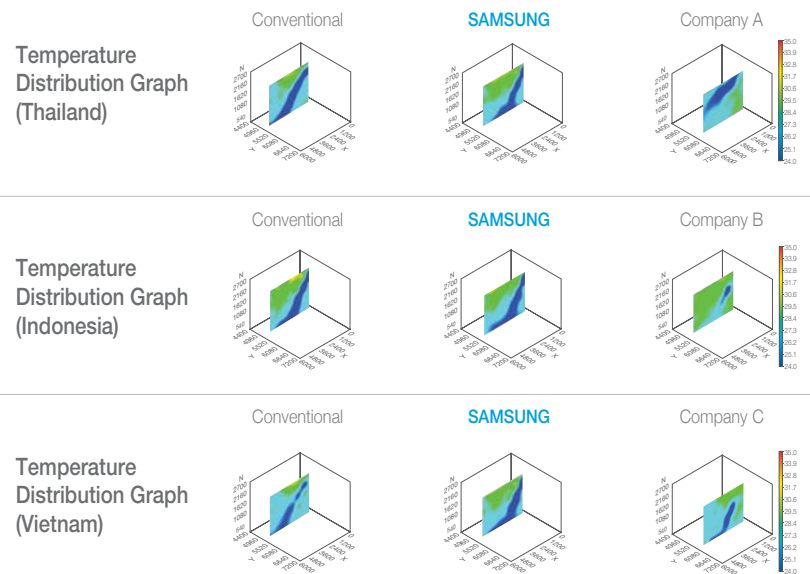
The moment the air conditioner is turned on, it emits the coolest air to quickly drop the room temperature allowing the room to cool within a short period of time.

Cooling Speed and Air Temperature Comparison (Thailand)

|   | New         | Current     | Company A  | Company B  |
|---|-------------|-------------|------------|------------|
| Time to reach 25°C from 33°C Room size 16.53 m <sup>2</sup> | 22min 43sec | 24min 24sec | 29min 3sec | 26min 3sec |

## Powerful Cooling

Samsung's air-conditioner emits stronger, cooler air faster and uses less energy than its competitors. Extensive testing proved that the Samsung Air-Conditioner is more powerful than the competition.



Advanced Technology

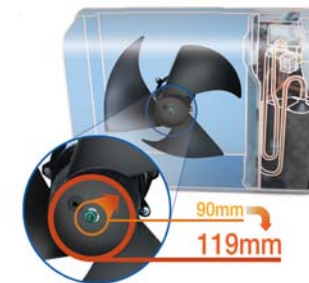
# Quiet Operation

For a long time, powerful performance and a peaceful environment have been regarded as two independent concepts. No more. With the Samsung air conditioner, enjoy a quiet, peaceful home while staying comfortably cool.



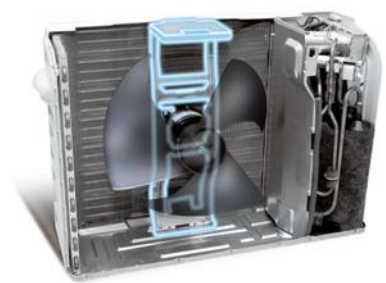
## More Stable Fan Spinning

Samsung thickened the depth of the hub from 45 mm to 62 mm and widened its diameter by 32%. The reinforced fan hub makes the spinning more stable, reducing the vibration noise when the air conditioner is in operation.



## Stronger Body Pillar

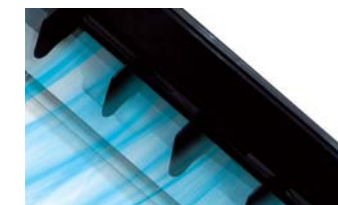
The body pillar inside the outdoor unit supports the outer case. Once the air conditioner is turned on, the outdoor unit's case makes a high level of noise due to the vibration and loose-jointed parts. Samsung strengthened the body pillar to hold out the case more tightly to inhibit vibration and add durability.



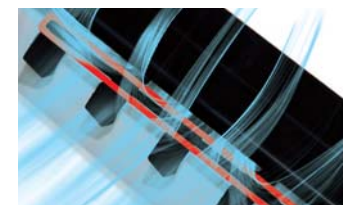
## Seamless Air Flow

The air conditioner's air path has been widened and streamlined to reduce air friction surface. This reduced a frictional whizzing sound without compromising Samsung air conditioner's powerful blasting wind.

SAMSUNG



Conventional



Advanced Technology

# Slim Solution

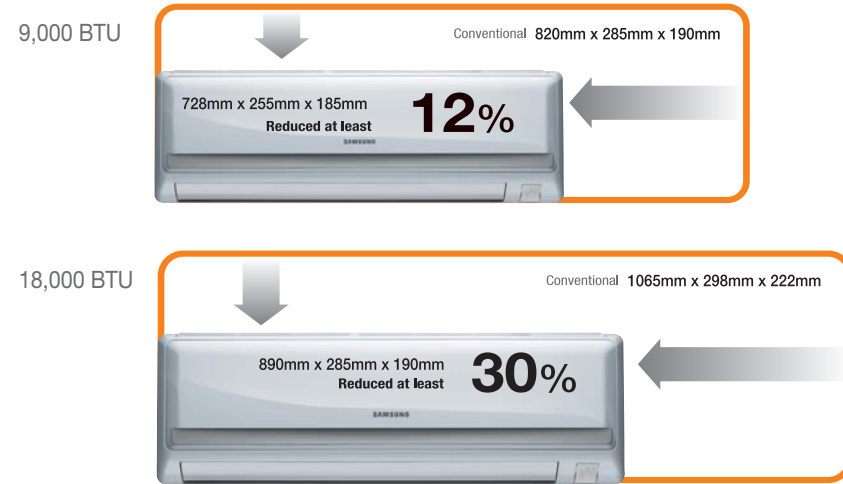


Samsung knows that design is as important as the other features of your air conditioner. So, this exclusive slim design not only adds sophistication but also space flexibility.



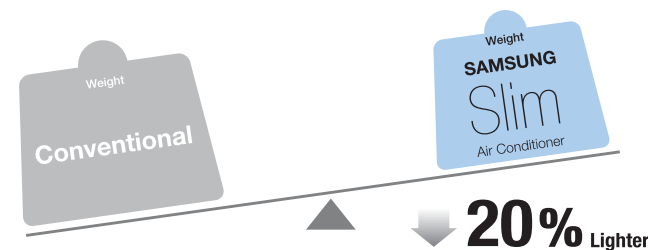
## Compact Size

Samsung's advanced technology continues to amaze by developing new compact air conditioners, which reduced overall size by at least 12% while maintaining performance. Now experience greater convenience in space and installation.



## Light Weight

Samsung's slim solution provides air conditioners that are not only compact in size but are 20% lighter making these units easier to install.



Advanced Technology

# Auto Changeover

The Auto Changeover automatically selects the operating mode (Cooling or Heating) according to the temperature setting. Thus, when a temperature is selected in the auto mode, the air conditioner heats and cools as required to maintain the set temperature.

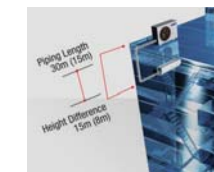


Advanced Technology

# Convenient Installation

## Outdoor Installation Pipe

The connection pipe is extendable up to 30 meters in length and up to 15 meters in height (18,000-24,000Btu/h) or 15 meters in length and 8 meters in height (9,000-12,000Btu/h). So there is great flexibility in the choice of location for the outdoor unit.



## Water Leakage Double Protection

Samsung, for the first time, has adopted a double water leakage protection system. The tray drain at the bottom of the unit has been deepened by 5mm. The drainage channel on the front panel prevents walls and carpets from getting wet from drops of water.



## Improved Low Temperature Operation

The new base structure of the outdoor unit includes three drainage holes and extended drainage channels, providing better protection against excess water, freezing, and rust. Also Neo Green Silica coating was applied to the heat exchanger which has improved the efficiency in low temperatures. An automatic defrosting algorithm allows smooth heating operation with outdoor temperatures below 0°C.



## Easy Handle for Convenience during Transporting, Unloading, etc

The lightweight and compact outdoor unit is equipped with a handle for convenience during transporting, unloading, etc. Because the outdoor unit can be carried with ease, installation is quick and simple.

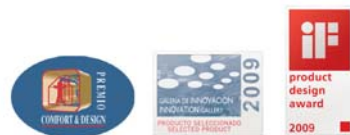




Split Type Express yourself



# MB Luxurious refreshness



Using the innovative Auto Roof Shutter system, this unique air conditioner automatically seals off to prevent dirt infiltration when not in operation. Also its polished design, luxurious pearl color and misty blue light add sophistication and style to your space.

## Auto Roof Shutter

Samsung's innovative Auto Roof Shutter seals off the air conditioner so that it is impenetrable to dust, which keeps the vents and fan clean so you only get clean air when in use. This sealed design also makes the air conditioner aesthetically pleasing when closed since everything is hidden out of sight.

Closed



When turned off, the air conditioner seals itself off to prevent dirt infiltration.

Open



The Auto Roof Shutter opens to let air into the unit, purifies the air and dispenses cool air from the vents below so the room cools faster and more efficiently.

## MPI (Micro Plasma Ion)

MPI improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health. MPI is recommended for children and elderly people who are more sensitive to viruses and often feel sick from biological contaminants in the air.

### How Micro Plasma Ion System Technology Works

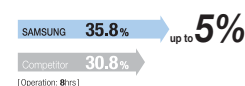


## Good'sleep II

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

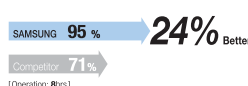
### Sleep Efficiency

The Good'sleep II increases sleep efficiency compared with competitors.



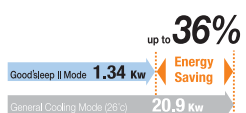
### Pleasant Skin Temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



### Energy Saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.

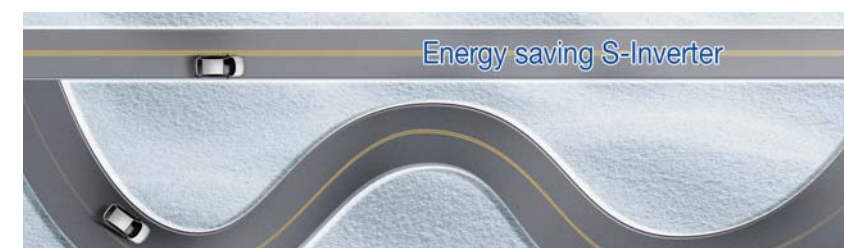


## Additional Features

|  |   |  |
|--|---|--|
| <b>UTR Plus™ (option)</b><br><p>UTR features incredible power that can quickly cool the air even in severe hot climates.</p>                               | <b>DNA Filter</b><br><p>A new technology that screens selectively for toxins in the air, the DNA filter enables for smarter and effective air management compared to other filters.</p> | <b>Deodorizing Filter</b><br><p>Incorporated with activated carbon, the deodorizing filter efficiently adsorbs cigarette smoke, pet odors and other unpleasant odors.</p>    |
| <b>Anti-virus Filter</b><br><p>New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compare to general Pre-filter.</p> | <b>Silver Coated Evaporator</b><br><p>The fins of the evaporator are triple coated to ensure efficient removal of condensation.</p>   | <b>Wide Open Blade Heating Air Flow</b><br><p>Opening the blades to an angle of 90 degrees, the air can be distributed vertically and horizontally anywhere in the room.</p> |
| <b>Auto Changeover</b><br><p>The Auto Changeover automatically selects the operating mode (Cooling or Heating) according to the temperature setting.</p>   | <b>Quiet Operation</b><br><p>Samsung's Quiet Operation offers powerful cool air without disturbing noise.</p>   |  |

## S-Inverter

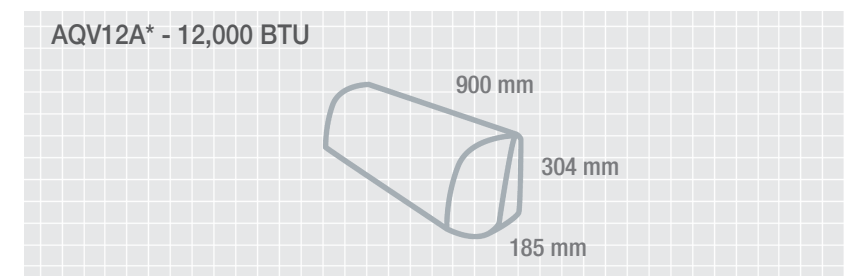
Samsung's S-Inverter lets you reach the desired temperature quickly and maintains a precise temperature for your complete comfort. This highly efficient technology also lowered energy consumption up to 50% and reduced vibration to bring peace into your life.



## Available Colors



## Dimensions







White



Silver



Black

## Air Purifying System

- **MPI (Micro Plasma Ion)**  
MPI generates active hydrogen atoms together with oxygen ions to improve your indoor air quality.
- **Anti virus filter**  
New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compare to general Pre-filter.
- **Silver coated evaporator**  
The fins of the evaporator are triple coated to ensure efficient removal of condensation.
- **DNA filter**  
The DNA structure possesses qualities in absorbing and eliminating microscopic carcinogenic agents.
- **Deodorizing filter**  
Activated carbon is incorporated in the filter, efficiently absorbing all odors.
- **Auto cleaning (self cleaning)**  
Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odor.

## Features

- **Auto Roof Shutter**  
This unique feature automatically seals off to prevent dirt infiltration when not in operation.
  - **Good'sleep II**  
It automatically adjusts temperature and moisture to guarantee a good night's sleep.
  - **S-inverter (option)**  
Its powerful control lets you reach the set temperature quickly and maintains precise temperatures.
  - **UTR Plus™ (option)**  
UTR features incredible power that can quickly cool the air even in severe hot climates.
  - **MPI lamp**  
The blue light signals the purification of the air as it adds a peaceful aura to the room.
- |                    |                   |             |                      |
|--------------------|-------------------|-------------|----------------------|
| • Dehumidification | • Turbo mode      | • Timer     | • Energy saving mode |
| • Auto restart     | • Auto changeover | • Auto wind | • Auto grille        |

## Remote Control & Outdoor Unit



Remote Control



## Design



**MPI Lamp**  
During MPI operation, a blue light illuminates to signal the purification of the air.



**Pearl Color**  
The color of purity and elegant innocence. Glossy pearl adds luxurious beauty to any décor.



**Display (hidden)**  
The display appears as the auto roof shutter opens. Its gentle bluish illumination adds chic style to your aesthetically pleasing air conditioner.

# Vivace Shadow mirror

The Samsung Vivace air conditioner brings a taste of the future into your home. With advanced technology and a flat smoked mirror panel, this air conditioner is modern elegance.

## Trimless Design

Samsung Vivace air conditioner with trimless design not only delivers coolness, but also adds modern sophistication to the room. Vivace's flat smoked half mirror front panel with hidden digital display completes this minimal design.



## MPI (Micro Plasma Ion)

MPI improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health. MPI is recommended for children and elderly people who are more sensitive to viruses and often feel sick from biological contaminants in the air.

### How Micro Plasma Ion System Technology Works

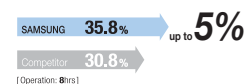


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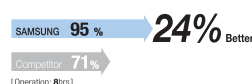
### Sleep Efficiency

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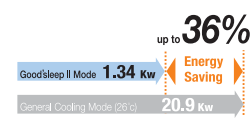
### Pleasant Skin Temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



### Energy Saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.



## Additional Features

|  |   |  |
|--|---|--|
| <b>UTR Plus™ (option)</b><br><p>UTR features incredible power that can quickly cool the air even in severe hot climates.</p>                               | <b>Catechin Filter</b><br><p>Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors.</p> | <b>Deodorizing Filter</b><br><p>Incorporated with activated carbon, the deodorizing filter efficiently adsorbs cigarette smoke, pet odors and other unpleasant odors.</p>    |
| <b>Anti-virus Filter</b><br><p>New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compare to general Pre-filter.</p> | <b>Silver Coated Evaporator</b><br><p>The fins of the evaporator are triple coated to ensure efficient removal of condensation.</p>                     | <b>Wide Open Blade Heating Air Flow</b><br><p>Opening the blades to an angle of 90 degrees, the air can be distributed vertically and horizontally anywhere in the room.</p> |
| <b>Auto Changeover</b><br><p>The Auto Changeover automatically selects the operating mode (Cooling or Heating) according to the temperature setting.</p>   | <b>Quiet Operation</b><br><p>Samsung's Quiet Operation offers powerful cool air without disturbing noise.</p>   |  |

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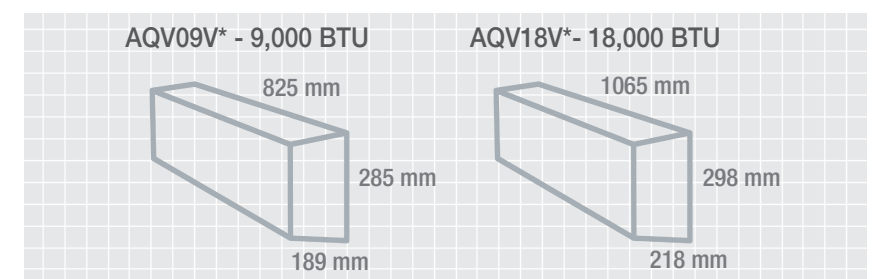


## Available Colors



Black Mirror

## Dimensions





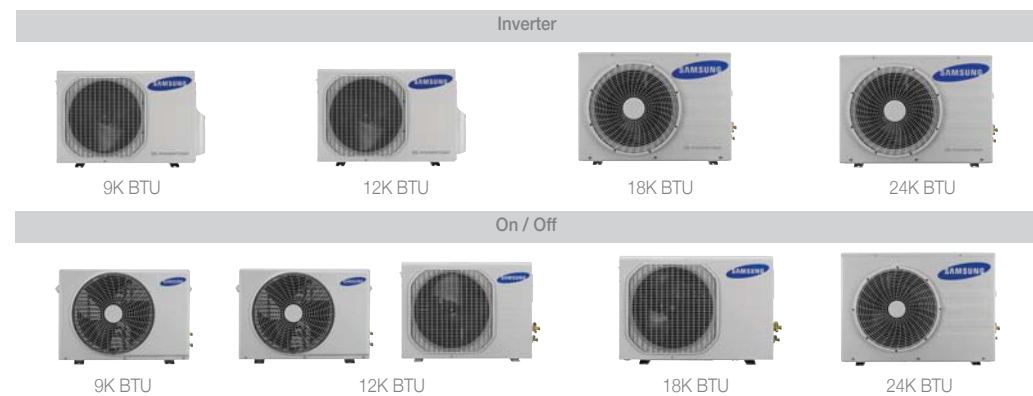
# Vivace Shadow mirror



## Remote Control & Outdoor Unit



Remote Control



2010 SAMSUNG Air Conditioner



## Air Purifying System

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Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odor.

## Features

- **Good'sleep II**  
It automatically adjusts temperature and moisture to guarantee a good night's sleep.
- **S-inverter (option)**  
Its powerful control lets you reach the set temperature quickly and maintains precise temperatures.
- **UTR Plus™ (option)**  
UTR features incredible power that can quickly cool the air even in severe hot climates.
- **Dehumidification**      • **Turbo mode**                      • **Timer**                      • **Energy saving mode**
- **Auto restart**                      • **Auto changeover**                      • **Auto wind**                      • **Auto grille**

## Design



### Hidden LED Display

When you turn on the air conditioner, the hidden LED display lights up. Turned off, the display hides from view. This easy-to-read display is a discrete way of adding functionality to beauty.



### Shadow Mirror

By reflecting your interior in its shadow mirror, Vivace perfectly matches with your interior. The Samsung's shadow mirror also reflects adequate lighting which adds elegance.



### Trimless Design

The clean lines and trim-less design give the air conditioner a modern classic look. Simplicity is more.

# Vivace Digital i

Cool and fresh impression

The digital-i found at the center of the smooth white panel gives the unit an accent of modern freshness.






## Digital i

A stylish circular display placed at the center of the air conditioner, the Digital i keeps an eye on the condition of the air in your room. This outstanding LED digital i display provides you an easy view of the current temperature, and the style accentuates the unit with modern simplicity.



## Additional Features

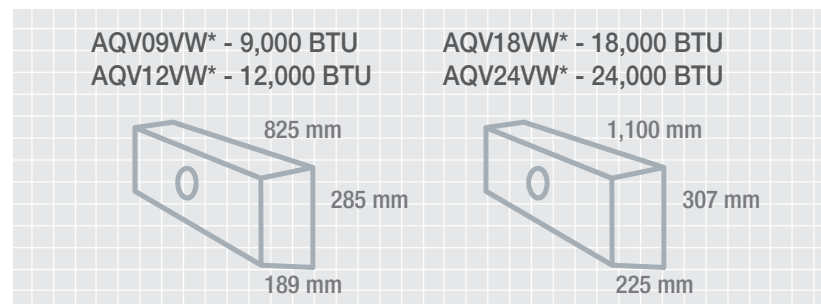
|  |   |   |
|--|---|---|
| <p><b>MPI (Micro Plasma Ion)</b></p>  <p>MPI improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health.</p> | <p><b>Good'sleep II</b></p>  <p>Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.</p> | <p><b>UTR Plus™ (option)</b></p>  <p>UTR features incredible power that can quickly cool the air even in severe hot climates.</p> |
|--|---|---|

## Available Colors



White

## Dimensions



## Air Purifying System

- **MPI (Micro Plasma Ion)**  
MPI generates active hydrogen atoms together with oxygen ions to improve your indoor air quality.
- **Anti-virus filter**  
New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compare to general Pre-filter.
- **Silver coated evaporator**  
The fins of the evaporator are triple coated to ensure efficient removal of condensation.
- **Catechin filter**  
Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors.
- **Deodorizing filter**  
Activated carbon is incorporated in the filter, efficiently absorbing all odors.
- **Auto cleaning (self cleaning)**  
Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odor.

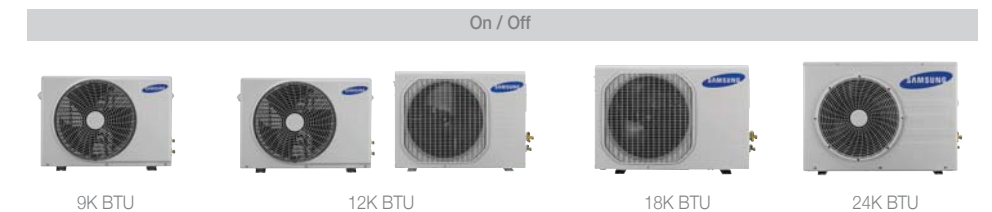
## Features

- **Good'sleep II**  
It automatically adjusts temperature and moisture to guarantee a good night's sleep.
  - **S-inverter (option)**  
Its powerful control lets you reach the set temperature quickly and maintains precise temperatures.
  - **UTR Plus™ (option)**  
UTR features incredible power that can quickly cool the air even in severe hot climates.
- |                    |                   |             |                      |
|--------------------|-------------------|-------------|----------------------|
| • Dehumidification | • Turbo mode      | • Timer     | • Energy saving mode |
| • Auto restart     | • Auto changeover | • Auto wind | • Auto grille        |

## Remote Control & Outdoor Unit



Remote Control



9K BTU

12K BTU

18K BTU

24K BTU



# MB II

One touch convenience

Enjoy cool surroundings with Samsung's new stylish air conditioner. It comes with a powerful cooling mechanism and a one-touch convenient and fast filter cleaning system. Samsung technology offers you a life of convenience and leisure.

## Ez-Filter

Unique to Samsung, the Ez-filter features easy removal, cleaning, and installation to ensure you always get clean, fresh air coming from your air conditioner.



## Additional Features

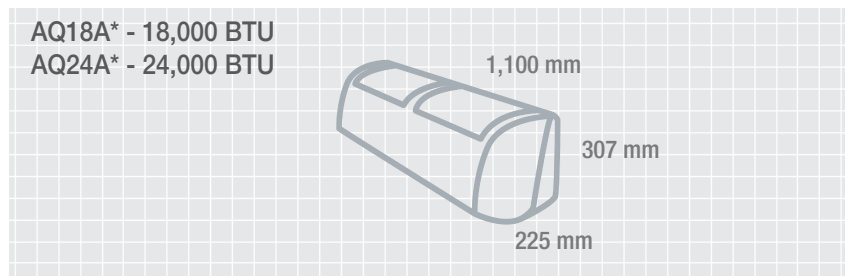
|  |   |   |
|--|---|---|
| <p><b>MPI (Micro Plasma Ion)</b></p> <p>MPI improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health.</p> | <p><b>Good'sleep II</b></p> <p>Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.</p> | <p><b>DNA Filter</b></p> <p>A new technology that screens selectively for toxins in the air, the DNA filter enables for smarter and effective air management compared to other filters.</p> |
|--|---|---|

## Available Colors



White

## Dimensions



## Air Purifying System

- MPI (Micro Plasma Ion)
- Anti-virus filter
- Silver coated evaporator
- DNA filter
- Deodorizing filter
- Auto cleaning (self cleaning)

## Features

- Ez-Filter
- Good'sleep II
- S-inverter (option)
- UTR plus™ (option)
- Dehumidification
- Auto changeover
- Turbo mode
- Timer
- Energy saving mode
- Auto restart
- Auto wind

## Design



### Stylish Design

The air conditioner is a large part of your interior so Samsung paid special attention to its design.

## Remote Control & Outdoor Unit



# Crystal

Feel pure ideal comfort

Samsung Crystal air conditioner dazzles with its high glossy panel, making your home sparkle with luxury. What's more, you can enjoy clean, refreshing air with its strong power and purifying function. Now, you can have high performance without sacrificing beauty.

## Comfort Care

Experience pure comfort with the Samsung air conditioner. With a balance of temperature and **humidity** levels, the air is always comfortably refreshing.



Simply controlling the temperature does not guarantee comfort. People can feel comfort or discomfort even at the same temperature due to the varying level of humidity in the air. Samsung 'Comfort Care technology' measures the humidity and temperature of the room. Then it calculates what temperature and humidity is needed to reach the comfort index. Comfort Care adjusts the temperature and humidity automatically until the comfort index is reached.

## Filter Cleaning Indicator

Always know when to clean the filter. The Filter Clean Indicator automatically alerts you when the filter needs to be cleaned with its illuminating blue light, usually after about **500 hours** of use. Now, you can always keep your air conditioner clean.



## Smart Saver

You no longer have to turn off your air conditioner when you feel the room is cool enough and turn it back on again when the air is not comfortable to save electricity.



Smart Saver operates the air conditioner automatically in the least amount of time necessary to cool the room, which saves electricity. In studies, up to **31%** of electricity was saved by setting the temperature to 26°C when the outdoor temperature was 30°C. With the Smart Saver, you can stop worrying about your electricity bill and start enjoying cool comfort.

## Additional Features

|   |  |   |
|---|--|---|
| <b>UTR Plus™ (option)</b><br><br>UTR features incredible power that can quickly cool the air even in severe hot climates.                            | <b>MPI (Micro Plasma Ion)</b><br><br>MPI improves your indoor air quality by eliminating biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health. | <b>Filter Cleaning Indicator</b><br><br>The Filter Cleaning Indicator automatically alerts you when the filter needs to be cleaned with illuminating blue light. |
| <b>Catechin Filter</b><br><br>Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors. | <b>Deodorizing Filter</b><br><br>Incorporated with activated carbon, the deodorizing filter efficiently adsorbs cigarette smoke, pet odors and other unpleasant odors.                            | <b>Auto Cleaning</b><br><br>Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odor.   |
| <b>Silver Coated Evaporator</b><br><br>The fins of the evaporator are triple coated to ensure efficient removal of condensation.                     | <b>Quiet Operation</b><br><br>Samsung's Quiet Operation offers powerful cool air without disturbing noise.  |   |

## S-Inverter

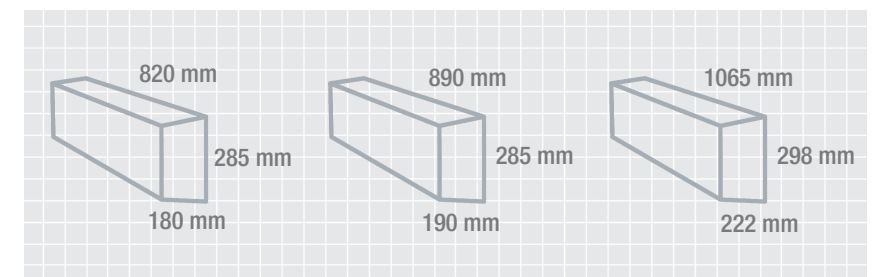
Samsung's S-Inverter lets you reach the desired temperature quickly and maintains a precise temperature for your complete comfort. This highly efficient technology also lowered energy consumption up to 50% and reduced the vibration to bring peace into your life.



## Available Colors



## Dimensions





# Crystal

Feel pure ideal comfort



White

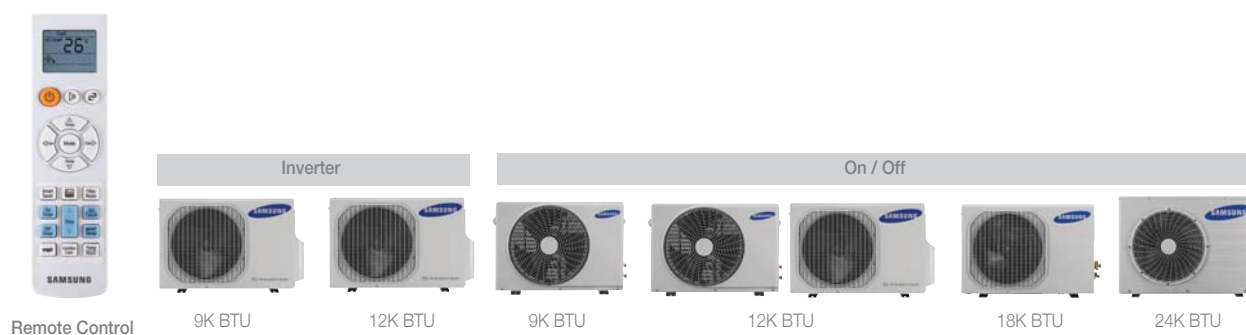


Silver



Blue

## Remote Control & Outdoor Unit



Remote Control

9K BTU

12K BTU

9K BTU

12K BTU

18K BTU

24K BTU

## Air Purifying System

- **MPI (Micro Plasma Ion)**  
MPI generates active hydrogen atoms together with oxygen ions to improve your indoor air quality.
- **Anti-virus filter**  
New ion coated Anti-virus filter enhanced 1.6 times stronger of its dust removal ability compare to general Pre-filter.
- **Silver coated evaporator**  
The fins of the evaporator are triple coated to ensure efficient removal of condensation.
- **Catechin filter**  
Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors.
- **Deodorizing filter**  
Activated carbon is incorporated in the filter, efficiently absorbing all odors.
- **Auto cleaning (self cleaning)**  
Auto cleaning function keeps the interior clean and dry to prevent an unpleasant odor.

## Features

- **Good'sleep II**  
It automatically adjusts temperature and moisture to guarantee a good night's sleep.
- **S-inverter (option)**  
Its powerful control lets you reach the set temperature quickly and maintains precise temperatures.
- **UTR Plus™ (option)**  
UTR features incredible power that can quickly cool the air even in severe hot climates.
- **MPI lamp**  
The blue light signals the purification of the air as it adds a peaceful aura to the room.
- **Smart saver**
- **Dehumidification**
- **Auto restart**
- **Comfort care (option)**
- **Turbo mode**
- **Auto changeover**
- **Filter cleaning indicator (option)**
- **Timer**
- **Auto wind**
- **Energy saving mode**

## Design



**MPI Lamp**  
The blue light signals the purification of the air as it adds a peaceful aura to the room.



**Glossy Panel**  
The high gloss panel brings out the luxurious beauty of the color as it adds refreshing comfort to the room.



**Stylish Design**  
The air conditioner is a large part of your interior so Samsung paid special attention to its design. Take pride in the new stylish Samsung air conditioner.

# Max

Ideal air for perfect coolness

Enjoy exceptional cooling power with the Samsung Max air conditioner. Max cools the room faster with strong refreshing air that fills the room quickly. Also its unique Smart Saver function prevents unnecessary energy consumption and Good'sleep II controls the temperature so that you can sleep comfortably throughout the night.






## Smart Saver

You no longer have to turn off your air conditioner when you feel the room is cool enough and turn it back on again when the air is not comfortable to save electricity.



Smart Saver operates the air conditioner automatically in the least amount of time necessary to cool the room, which saves electricity. In studies, up to **31%** of electricity was saved by setting the temperature to 26°C when the outdoor temperature was 30°C. With the Smart Saver, you can stop worrying about your electricity bill and start enjoying cool comfort.

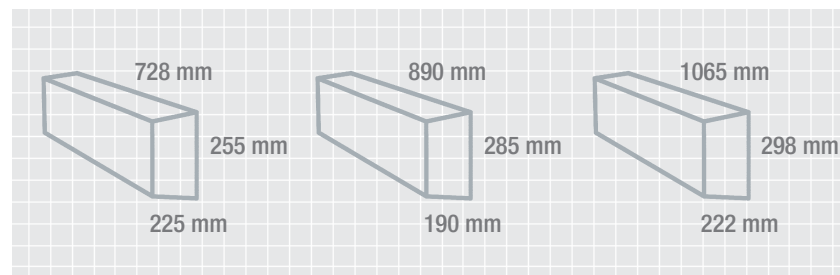
## Additional Features

|   |   |  |
|---|---|--|
| <p><b>Good'sleep II</b></p>  <p>Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.</p> | <p><b>Slim Solution</b></p>  <p>The compact size of these air conditioners provide more space flexibility.</p> | <p><b>Silver Nano Evaporator</b></p>  <p>The fins of the evaporator are triple coated to ensure efficient removal of condensation.</p> |
|---|---|--|

## Available Colors



## Dimensions



## Air Purifying System

- Silver coated filter
- Silver coated evaporator

## Features

- Slim solution
- Smart saver
- Good'sleep II
- S-inverter (option)
- UTR plus™ (option)
- Dehumidification
- Turbo mode
- Timer
- Energy saving mode
- Auto restart
- Auto changeover
- Auto wind

## Design



**Simple Design**  
The clean lines and simple design make this a modern classic, which will be honored for years to come.



**Stylish Line**  
The stylish lining against the pure white base provides an elegant contrast for a simple design that looks great with any interior.

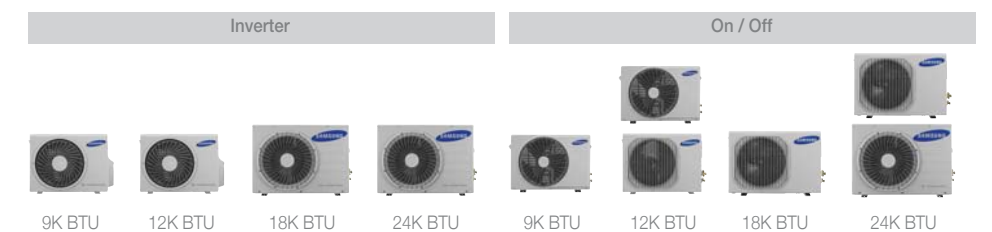


**Pure Display**  
The bright Pure Display reflects light beautifully so it shines and brightens any room.

## Remote Control & Outdoor Unit



Remote Control





# Neo Forte

Fresh and pleasant cooling

The Neo Forte design incorporates a clean fashionable front panel with a striking silver accent line that adds a stylish contrast for a strong minimalist design that complements any decor.

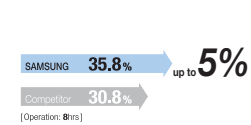


## Good'sleep II

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

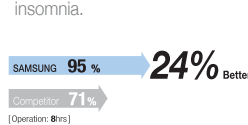
### Sleep Efficiency

The Good'sleep II increases sleep efficiency compared with competitors.



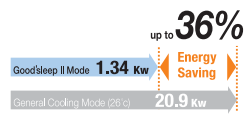
### Pleasant Skin Temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



### Energy Saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.



## Additional Features

### MPI (Micro Plasma Ion)

MPI improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergy-causing agents that threaten your health.

### Silver Coated Filter

The Silver Coated Filter removes microscopic dust particles and exterminates fungi.

### Catechin Filter

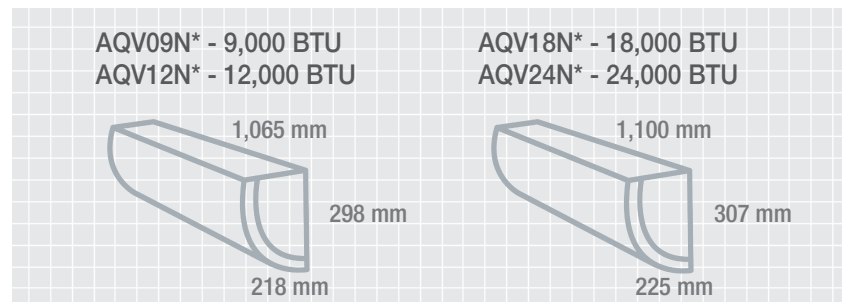
Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors.

## Available Colors



White

## Dimensions



## Air Purifying System

- Silver coated filter
- Silver coated evaporator
- Catechin filter
- Deodorizing filter
- Auto cleaning (self cleaning)

## Features

- Good'sleep II
- S-inverter (option)
- UTR plus™ (option)
- Dehumidification
- Turbo mode
- Timer
- Energy saving mode
- Auto restart
- Auto changeover
- Auto wind

## Design



### Stylish Design

The air conditioner is a large part of your interior so Samsung paid special attention to its design.



### Snow White Color

The color of purity and elegant innocence, glossy snow white adds luxurious beauty to any décor.



### Silver Accent Line

The interior design of your home adds a lot to personal comfort and appeal. Samsung Neo Forte's unique silver accent line adds a strong impression and a stylish touch to the whole design.

## Remote Control & Outdoor Unit



Remote Control



# Forte

Cooler and stronger air conditioning

Designed for convenience as well as beauty, the Forte with its clean lines and contrasting color line is an impression of cool style.

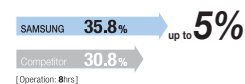


## Good'sleep II

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.

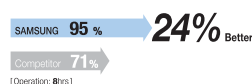
### Sleep Efficiency

The Good'sleep II increases sleep efficiency compared with competitors.



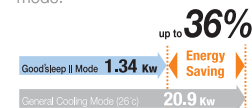
### Pleasant Skin Temperature

An invaluable feature for those sensitive to temperature fluctuations and those suffering from insomnia.



### Energy Saving

The Good'sleep II reduces up to 36% of electricity consumption compared with a normal cooling mode.



## Additional Features

### Silver Coated Filter



The Silver Coated Filter removes microscopic dust particles and exterminates fungi.

### Slim Solution



The compact size of these air conditioners provide more space flexibility.

### S-inverter (option)



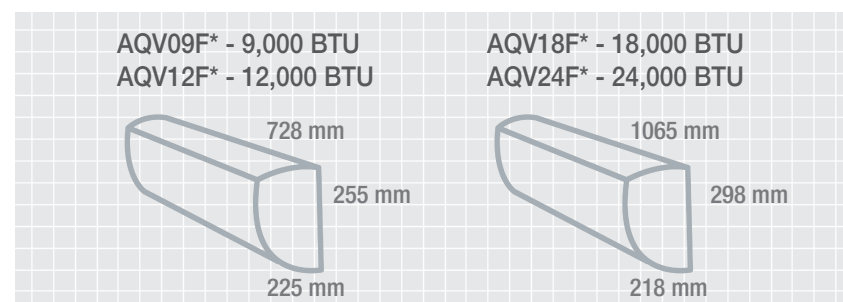
Samsung's highly efficient S-Inverter lowered energy consumption up to 50% which saves your money.

## Available Colors



White

## Dimensions



## Air Purifying System

- Silver coated filter
- Silver coated evaporator
- Catechin filter (option)
- Deodorizing filter (option)
- Auto cleaning (self cleaning)

## Features

- Good'sleep II
- Slim solution
- S-inverter (option)
- UTR plus™ (option)
- Dehumidification
- Turbo mode
- Energy saving mode
- Auto restart
- Auto changeover (option)
- Auto wind
- Timer

## Design



### Accent Line

The blue lining against the pure white base provides an elegant contrast for a simple design that looks great with any interior.



### Bottom Opening Front Panel

Simply lift the front panel to open the cover of the air conditioner. Like the hood of a car, the cover lifts up for easy cleaning of the filters.



### Flush Front Panel

The flush front panel was realized by moving the front grille to the top of the air conditioner. Cleaning is easier so it's easy to maintain the brand new look.

## Remote Control & Outdoor Unit



Remote Control



9K BTU 12K BTU 18K BTU 24K BTU 9K BTU 12K BTU 18K BTU 24K BTU



# Multi Split Type

A network of air conditioners



# Pack Multi Series

## 2 Room Multi



### Model

|              | Power Source (V/Hz/Ø) | Refrigerant | 18K BTU      | 19K BTU | 24K BTU            | 32K BTU | 36K BTU |
|--------------|-----------------------|-------------|--------------|---------|--------------------|---------|---------|
| Inverter     | 220-240 / 50 / 1      | R410a       | MH18VF1      | MH19VF1 | -                  | -       | -       |
| Heat Pump    | 220-240 / 50 / 1      | R22         | -            | -       | MH24F2B<br>MH24F2A | -       | -       |
|              | 220-240 / 50 / 1      | R22         | MC18F2B<br>- | -       | -                  | MC24F2A | -       |
| Cooling Only | 220-240 / 50 / 1      | R22         | -            | -       | -                  | -       | MC36F2B |

## 3 Room Multi



### Model

|              | Power Source (V/Hz/Ø) | Refrigerant | 20K BTU | 48K BTU |
|--------------|-----------------------|-------------|---------|---------|
| Heat Pump    | 220-240 / 50 / 1      | R22         | -       | MH48F3B |
| Cooling Only | 220-240 / 50 / 1      | R22         | MC20F3B | -       |
|              | 220/60/1              |             | -       | MC48F3B |

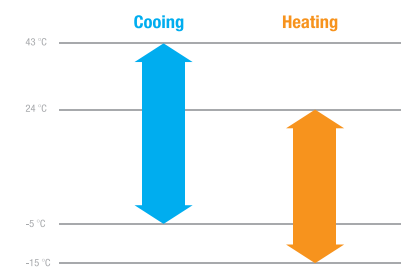


# Free Joint Multi

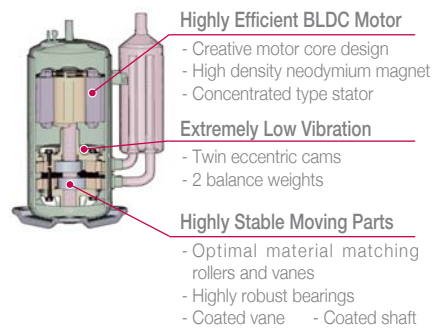
Free Joint Multi supports various combinations of indoor and outdoor units, providing a variety of choices and flexible installation. Therefore, Free Joint Multi is the best solution for residential buildings seeking a flexible, efficient and reliable air conditioning system.

## High Performance

Wide Operation Range of Outdoor Temperature

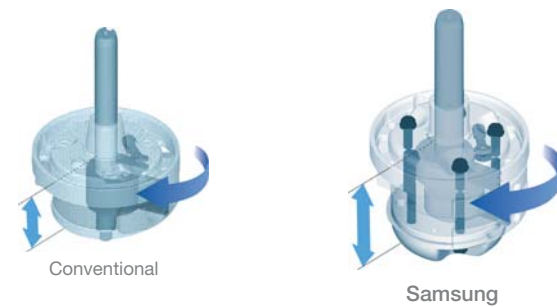


BLDC (Twin Rotary) Compressor



## TBR Sine-Wave Compressor

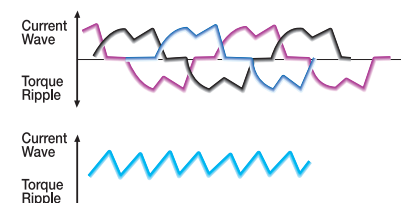
New FJM models have applied the twin BLDC compressor with highly stable moving parts which reduced torque variation by 70% compared to the conventional single BLDC compressor.



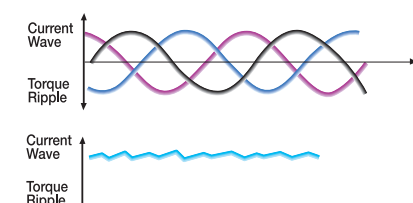
## Sine Wave Controller

All the FJM models have adopted this newly developed Sine Wave Controller. No ripples in the current wave makes soft acoustic quality and reduces noise.

Conventional Square Wave Controller



Samsung Sine Wave Controller



## Felt Structure

New FJM models have applied the twin BLDC compressor with highly stable moving parts which reduced torque variation by 70% compared to the conventional single BLDC compressor.



## Available Outdoor Units

| Power Source(V/Hz/0) | Power Source(V/Hz/0) | Power Source(V/Hz/0) | Power Source(V/Hz/0) | Power Source(V/Hz/0) |
|----------------------|----------------------|----------------------|----------------------|----------------------|
| 4.0kW                | 5.0kW                | 6.0kW                | 7.0kW                | 8.0kW                |
| 2 Unit               | 2 Unit               | 3 Unit               | 4 Unit               | 4 Unit               |

## Combination Table

| INDOOR UNIT | OUTDOOR UNIT |             |             |             |             |             |
|-------------|--------------|-------------|-------------|-------------|-------------|-------------|
|             | Model        | MH040FXEA2B | MH050FXEA2B | MH060FXEA3B | MH070FXEA4B | MH080FXEA4B |
| Cassette    | MH026FBEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH035FBEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH052FBEA    | ●           | ●           | ●           | ●           | ●           |
| Ductless    | MH026FBES    | ●           | ●           | ●           | ●           | ●           |
|             | MH035FBES    | ●           | ●           | ●           | ●           | ●           |
|             | MH052FBES    | ●           | ●           | ●           | ●           | ●           |
| Ceiling     | MH020FVEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH026FVEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH035FVEA    | ●           | ●           | ●           | ●           | ●           |
| Wall        | MH052FVEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH020FNEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH026FNEA    | ●           | ●           | ●           | ●           | ●           |
| Floor       | MH035FNEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH052FNEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH026FJEA    | ●           | ●           | ●           | ●           | ●           |
| Ducted      | MH035FJEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH052FJFA    | ●           | ●           | ●           | ●           | ●           |
|             | MH026FSEA    | ●           | ●           | ●           | ●           | ●           |
| Ductless    | MH035FSEA    | ●           | ●           | ●           | ●           | ●           |
|             | MH030FMSEA   | ●           | ●           | ●           | ●           | ●           |
|             | MH035FMSEA   | ●           | ●           | ●           | ●           | ●           |
| Ducted      | MH052FMSEA   | ●           | ●           | ●           | ●           | ●           |
|             | MH026FEA     | ●           | ●           | ●           | ●           | ●           |
|             | MH035FEA     | ●           | ●           | ●           | ●           | ●           |
| Ductless    | MH052FUEA    | ●           | ●           | ●           | ●           | ●           |

# Window Type

Convenient controls and healthy features

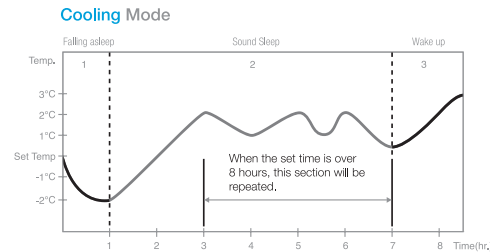




# Features

## A Delightful Day with Good'sleep Mode

According to the stage of sleep, temperatures are adjusted so you fall into deep sleep faster and get up more refreshed in the morning for a great start to your day.



### 01 Falling asleep stage

Eases you into sleep by dropping the temperature.

### 02 Sound sleep stage

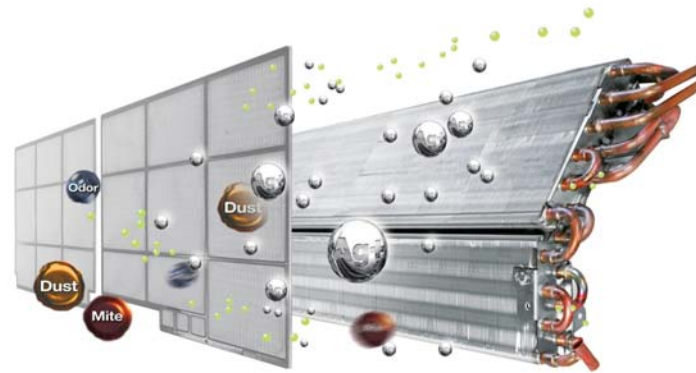
Relaxes your body and raises your temperature slightly.

### 03 Wake up stage

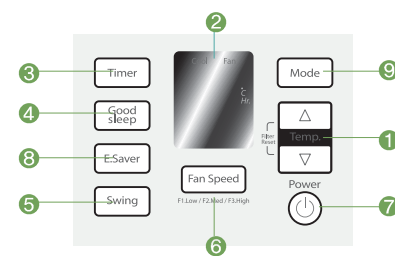
Allows you to wake up from comfortable intermittent air and it makes you feel refreshed.

## Silver Coated Technology

Samsung air conditioners are the first and only of its kind to coat the filter and the evaporator with silver. Most other brands of air conditioners available on the market have not incorporated a silver coating to their filters or evaporators, leaving you more vulnerable to breathing in unhealthy air. Only Samsung offers superior protection with a silver disinfecting and antimicrobial coated filter and evaporator.



## Convenient Control



### 01 Highly Efficient BLDC Motor

Adjusts the room temperature. The air conditioner starts cooling / heating if the room temperature is higher / lower than the selected temperature.

### 02 Display

Shows you the operating status.

### 03 Timer button

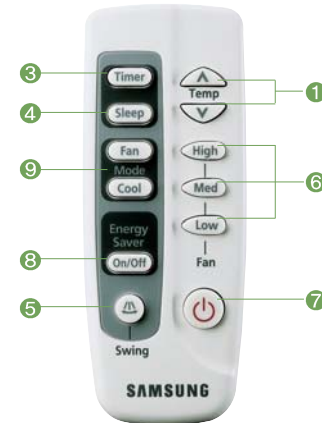
Sets the 24hr On / Off timer.

### 04 Good' sleep button

Sets the sleep timer. The air conditioner operates for 6 hours and turns off automatically in Sleep mode.

### 05 Air flow direction adjustment button

Moves inner air flow blades horizontally.



### 06 Fan speed adjustment button(s)

You can select 3 levels of fan speed: High, Med, and Low.

### 07 On / Off button

Turns on / off the air conditioner.

### 08 Energy saver button

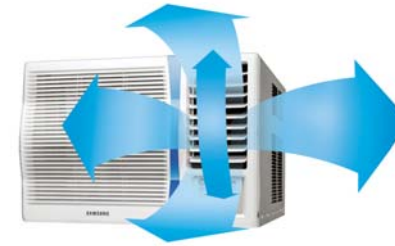
You can select 3 levels of fan speed: High, Med, and Low.

### 09 Mode selection button(s)

You can select the Cool, Heat, or Fan mode by pressing the button.

## 4-Way Air Direction

The Window Type air conditioner provides fresh air in 4 directions. Although compact in size, it powerfully emits air into every corner of the room.



## Dehumidification

The Window Type air conditioner removes moisture and humidity, two big discomforts in summer, keeping your room pleasant and fresh.

## Slide-out Chassis

The Window Type air conditioner is easy to install because the chassis can be detached by sliding it out. Just install the lightweight cabinet on the wall or in a window and then insert the unit in the cabinet by sliding it in. That's all it takes to install a Samsung Window Type air conditioner.



## Rust-free Cabinet

Air conditioners' cabinets tend to get rusty in areas of high humidity or in areas near the sea, reducing product life. The cabinets of Samsung air conditioners are coated with an original anti-corrosion agent to prevent rust and to ensure long durability.



Normal cabinet material after 600 hours



Samsung's rust-free cabinet material after 1000 hours

## Ventilation Control

The air can be directed in the direction you want by adjusting the horizontal and vertical louvers. It is possible to set the horizontal louver to swing at a constant speed or keep it fixed to point airflow in the desired direction.



## Easy to Access Filter

You can slide the filter in and out without removing the front grille for quick and easy cleaning. Dust, soot, and pollen in the air are efficiently collected and easily removed.



# Mexico / South America Line up

## New Y Series (Mechanical)



### Features & Model

- Anti-bacteria filter
- Temperature control
- 2 way air direction
- Washable grill
- Easy to access filter
- 2 stage fan/cool mode

|              | Power Source(V/Hz/0) | 5K Btu   |
|--------------|----------------------|----------|
| Cooling Only | 115 / 60 / 1         | AW05N0AD |

## AI Series (Electronic)

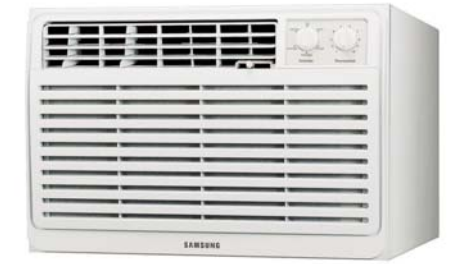


### Features & Model

- Anti-bacteria filter
- Remote controller
- Temperature control
- Washable grill
- Good'sleep mode
- Easy to access filter
- Sleep mode
- Energy saving mode
- Timer
- 3 stage fan/cool mode
- 4 way air direction

|              | Power Source(V/Hz/0) | 8K Btu   |
|--------------|----------------------|----------|
| Cooling Only | 115/60/1             | AW08NHAB |

## AI Series (Mechanical)



### Features & Model

- Anti-bacteria filter
- Easy to access filter
- Temperature control
- Energy saving mode
- 4 way air direction
- 2 stage fan
- Washable grill
- / 3 stage cool mode

|              | Power Source (V/Hz/0) | 8K Btu   |
|--------------|-----------------------|----------|
| Cooling Only | 115 / 60 / 1          | AW08N0AD |

## H Series (Mechanical)



### Features & Model

- Anti-bacteria filter
- Washable grill
- Temperature control
- Easy to access filter
- Auto swing
- 2 stage fan
- 4 way air direction
- / 3 stage cool mode
- Slide in/out

|              | Power Source (V/Hz/0) | 12K Btu              | 14K Btu  | 18K Btu  | 24K Btu  |
|--------------|-----------------------|----------------------|----------|----------|----------|
| Cooling Only | 220 / 60 / 1          | AW12P1BC<br>AW12P0BC | AW14P1BD | AW18P1BC | AW24P1BC |
|              | 115 / 60 / 1          | AW12P1AC<br>AW12P0AC | -        | -        | -        |

## H Series (Electronic)



### Features & Model

- Anti-bacteria filter
- Remote controller
- Temperature control
- Washable grill
- Good'sleep mode
- Easy to access filter
- Auto swing
- Energy saving mode
- 4 way air direction
- Timer
- Air ventilation
- 3 stage fan/cool mode
- Slide in/out

|              | Power Source (V/Hz/0) | 12K Btu              | 14K Btu  | 18K Btu  | 24K Btu  |
|--------------|-----------------------|----------------------|----------|----------|----------|
| Cooling Only | 220 / 60 / 1          | AW12PKBC<br>AW12PHBC | AW14PHBD | AW18PKBC | AW24PKBC |
|              | 115 / 60 / 1          | AW12PKAC<br>AW12PHAC | -        | -        | -        |



# CIS Line up



## New Y Series (Mechanical)

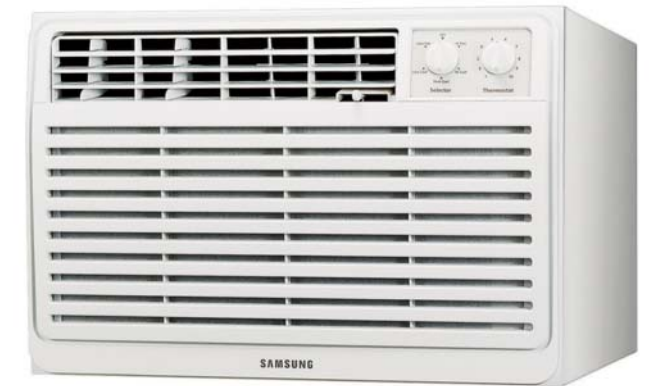


### Features & Model

- Anti-bacteria filter
- 2 way air direction
- Washable grill
- Easy to access filter
- 2 stage fan/cool mode

|              | Power Source(V/Hz/0) | 5K Btu  |
|--------------|----------------------|---------|
| Cooling Only | 220-240 / 50 / 1     | AW05N0C |

## AI Series (Mechanical)



### Features & Model

- Anti-bacteria filter
- Auto swing
- 4 way air direction
- Washable grill
- Easy to access filter
- 2 stage fan/3 stage cool mode

|              | Power Source(V/Hz/0) | 5K Btu  |
|--------------|----------------------|---------|
| Cooling Only | 220 / 60 / 1         | -       |
|              | 220-240/50/1         | AW07N0C |

## H Series (Electronic / P Grill)



### Features & Model

- Anti-bacteria Filter
- Temperature control
- Good'sleep code
- Auto swing
- 4 way air direction
- Air ventilation
- Slide in/out
- Remote controller
- Washable grill
- Easy to access filter
- Energy saving mode
- Timer
- 3 stage fan/cool mode

|              | Power Source(V/Hz/0) | 9K Btu  | 12K Btu | 18K Btu |
|--------------|----------------------|---------|---------|---------|
| Heat Pump    | 220-240 / 50 / 1     | AZ09PHB | AZ12PHA | -       |
| Cooling Only | 220-240 / 50 / 1     | -       | -       | AW18PHB |

# Middle East / Afirca Line up

## H Series (Mechanical / P Grill)



### Features & Model

- Anti-bacteria filter
- Auto swing
- 4 way air direction
- Washable grill
- Easy to access filter
- Air ventilation
- 2 stage fan/3 stage cool mode

|              | Power Source(V/Hz/Ø) | 9K Btu  | 12K Btu             | 18K Btu | 24K Btu |
|--------------|----------------------|---------|---------------------|---------|---------|
| Cooling Only | 220-240 / 50 / 1     | AW09P1C | AWT12P1A<br>AW12P1B | AW18P1B | AW24P1B |
|              | 220 / 60 / 1         | -       | AWT12P1A            | -       | -       |

## H Series (Mechanical / F Grill)



### Features & Model

- Anti-bacteria filter
- Temperature control
- Auto swing
- 4 way air direction
- Air ventilation
- Slide in/out
- Washable grill
- Easy to access filter
- 2 stage fan/3 stage cool mode

|              | Power Source(V/Hz/Ø) | 9K Btu | 12K Btu | 18K Btu  | 24K Btu  |
|--------------|----------------------|--------|---------|----------|----------|
| Heat Pump    | 220-240 / 50 / 1     | -      | -       | AHT19F1B | -        |
| Cooling Only | 220-240 / 50 / 1     | -      | -       | AWT19F1B | AWT25F1B |

## H Series (Electronic / P Grill)



### Features & Model

- Anti-bacteria filter
- Good'sleep mode
- Timer
- Energy saving mode
- Auto restart
- Auto swing
- Air ventilation
- 4 way air direction
- Washable grill
- Easy to access filter
- 3 stage fan/cool mode

|              | Power Source(V/Hz/Ø) | 9K Btu  | 12K Btu             | 18K Btu | 24K Btu |
|--------------|----------------------|---------|---------------------|---------|---------|
| Heat Pump    | 220-240 / 50 / 1     | AZ09PHB | AZ12PHA             | -       | -       |
| Cooling Only | 220-240 / 50 / 1     | AW09PKC | AWT12PHA<br>AW12PKB | AW18PKB | AW24PKB |
|              | 220 / 60 / 1         | -       | AWT12PHA            | -       | -       |

## H Series (Electronic / F Grill)



### Features & Model

- Anti-bacteria filter
- Temperature control
- Auto swing
- 4 way air direction
- Air ventilation
- Slide in/out
- Remote controller
- Washable grill
- Easy to access filter
- Energy saving mode
- Timer
- 3 stage fan/cool mode

|              | Power Source(V/Hz/Ø) | 9K Btu | 12K Btu | 18K Btu  | 24K Btu  |
|--------------|----------------------|--------|---------|----------|----------|
| Heat Pump    | 220-240 / 50 / 1     | -      | -       | AHT19FGB | AHT25FGB |
| Cooling Only | 220-240 / 50 / 1     | -      | -       | AWT19FHB | AWT25FHB |



# Middle East / Afirca Line up

## M Series (Mechanical / W Grill)



### Features & Model

- Anti bacteria filter
- Auto swing
- 4 way air direction
- Air ventilation
- Slide in/out
- Washable grill
- Easy to access filter
- 2 stage fan/3 stage cool mode

|              | Power Source(V/Hz/Ø) | 9K Btu | 12K Btu | 18K Btu  | 24K Btu  |
|--------------|----------------------|--------|---------|----------|----------|
| Heat Pump    | 220-240 / 50 / 1     | -      | -       | AHT18W1B | AHT24W1B |
|              | 220 / 60 / 1         | -      | -       | AHT18W1B | AHT24W1B |
| Cooling Only | 220-240 / 50 / 1     | -      | -       | AWT18W1B | AWT24W1B |
|              | 220 / 60 / 1         | -      | -       | AWT18W1B | AWT24W1B |

## M Series (Electronic / W Grill)



### Features & Model

- Anti-bacteria filter
- Good'sleep mode
- Auto swing
- 4 way air direction
- Air ventilation
- Slide in/out
- Remote controller
- Washable grill
- Easy to access filter
- Energy saving mode
- Timer
- 3 stage fan/cool mode

|              | Power Source(V/Hz/Ø) | 9K Btu | 12K Btu | 18K Btu  | 24K Btu  |
|--------------|----------------------|--------|---------|----------|----------|
| Heat Pump    | 220-240 / 50 / 1     | -      | -       | AWT18WHB | AWT24WHB |
| Cooling Only | 220 / 60 / 1         | -      | -       | AWT18WHB | AWT24WHB |

## M Series (Mechanical / U Grill)



### Features & Model

- Anti bacteria filter
- Silver Nano filter
- Temperature control
- Air flow control step (Cool/Fan)
- Auto swing
- 4 way air direction
- Air discharge
- Air ventilation
- Slide in/out

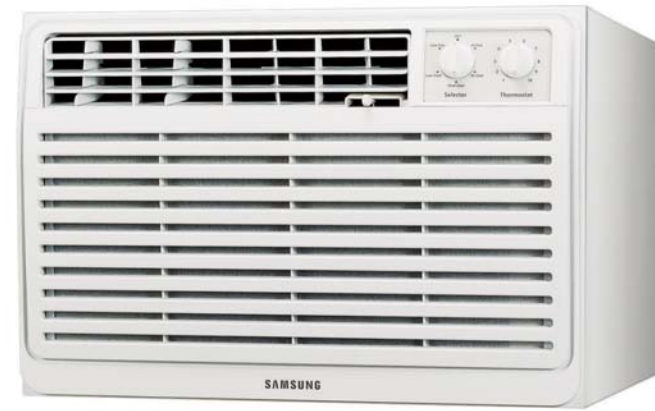
|              | Power Source(V/Hz/Ø) | 9K Btu | 12K Btu | 18K Btu  | 24K Btu |
|--------------|----------------------|--------|---------|----------|---------|
| Heat Pump    | 220 / 60 / 1         | -      | -       | AHT18U1C | -       |
| Cooling Only | 220 / 60 / 1         | -      | -       | AWT18U1C | -       |



2010 SAMSUNG Air Conditioner

# SE Asia Line up

## Y Series (Mechanical)



### Features & Model

- Anti-bacteria filter
- 2 way air direction
- Washable grill
- Easy to access filter
- 2 stage fan/3 stage cool mode

|              | Power Source(V/Hz/Ø) | 12K Btu |
|--------------|----------------------|---------|
| Cooling Only | 220 / 60 / 1         | AW05NOB |

## H Series (Electronic / P Grill)



### Features & Model

- Anti-bacteria filter
- Good'sleep mode
- Timer
- Energy saving mode
- Auto swing
- Air ventilation
- 4 way air direction
- Washable grill
- Easy to access filter
- 3 stage fan/cool mode

|              | Power Source(V/Hz/Ø) | 7K Btu  | 9K Btu  | 12K Btu | 18K Btu | 24K Btu |
|--------------|----------------------|---------|---------|---------|---------|---------|
| Cooling Only | 220 / 60 / 1         | AW07PHB | AW09PHB | AW12PHB | -       | -       |
|              | 220-240 / 50 / 1     | AW07PHA | AW09PHB | AW12PHA | AW18PHA | AW24PHA |

## H Series (Mechanical / P Grill)



### Features & Model

- Anti-bacteria filter
- Auto swing
- 4 way air direction
- Washable grill
- Easy to access filter
- 2 stage fan/3 stage cool mode
- Air ventilation

|              | Power Source(V/Hz/Ø) | 7K Btu  | 9K Btu  | 12K Btu | 18K Btu | 24K Btu |
|--------------|----------------------|---------|---------|---------|---------|---------|
| Cooling Only | 220 / 60 / 1         | AW07P1B | AW09P1B | AW12P1B | AW18P1B | -       |
|              | 220-240 / 50 / 1     | AW07P1A | AW09P1B | AW12P1A | AW18P1A | AW24P1A |

## L Series (Electronic)



### Features & Model

- Anti-bacteria filter
- Good'sleep mode
- Timer
- Smart saver
- Auto swing
- Air ventilation
- 4 way air direction
- Washable grill
- Easy to access filter
- 3 stage fan/cool mode

|              | Power Source (V/Hz/Ø) | 7K Btu                                       | 9K Btu                                       |
|--------------|-----------------------|--|--|
| Cooling Only | 220 / 60 / 1          | AW07L2BXTC<br>AW07LHBXTC<br>(Remote Control) | AW09L2BXTC<br>AW09LHBXTC<br>(Remote Control) |

## L Series (Mechanical)



### Features & Model

- Anti-bacteria filter
- Auto swing
- 4 way air direction
- Washable grill
- Easy to access filter
- 2 stage fan/3 stage cool mode
- Air ventilation

|              | Power Source (V/Hz/Ø) | 7K Btu     | 9K Btu     |
|--------------|-----------------------|------------|------------|
| Cooling Only | 220 / 60 / 1          | AW07L1BXTC | AW09L1BXTC |



# India Line up

## H Series (Electronic / W Grill)



### Features & Model

- Anti-bacteria filter
- Remote controller
- Temperature control
- Washable grill
- Bio sleep mode
- Easy to access filter
- Auto swing
- Smart saver mode
- 4 way air direction
- Timer
- Air ventilation
- 3 stage fan/cool mode
- Slide in/out

|              | Power Source(V/Hz/Ø) | 18K Btu |
|--------------|----------------------|---------|
| Cooling Only | 230 / 50 / 1         | AW18WSB |

## H Series (Electronic / Z Grill)



### Features & Model

- Anti-bacteria filter
- Remote controller
- Temperature control
- Washable grill
- Bio sleep mode
- Easy to access filter
- Auto swing
- Smart saver mode
- 4 way air direction
- Timer
- Air ventilation
- 3 stage fan/cool mode
- Slide in/out

|              | Power Source(V/Hz/Ø) | 12K Btu | 18K Btu |
|--------------|----------------------|---------|---------|
| Cooling Only | 230 / 50 / 1         | AW12ZKB | AW18ZKC |

## H Series (Electronic / Z Grill)



### Features & Model

- Anti-bacteria filter
- Remote controller
- Temperature control
- Washable grill
- Bio sleep mode
- Easy to access filter
- Auto swing
- Smart saver mode
- 4 way air direction
- Timer
- Air ventilation
- 3 stage fan/cool mode
- Slide in/out

|              | Power Source(V/Hz/Ø) | 12K Btu | 18K Btu | 24K Btu |
|--------------|----------------------|---------|---------|---------|
| Cooling Only | 230 / 50 / 1         | AW12ZKA | AW18ZKA | AW24ZKB |



2010 SAMSUNG Air Conditioner



# Floor Standing Type Standing tall



Smart thinking, Simple living

2010 SAMSUNG Air Conditioner



# Nova Series Streamlined sophistication

## Auto Shutter

The auto shutter opens and closes smoothly, revealing the flaps of the air conditioner only when it is turned on. The auto shutter protects the air conditioner from unwanted dust particles, making an unattractive air conditioner cover unnecessary.



## Deluxe Design

The sophisticated, stylish design adds to the decor of any home or office. The superior technologies built in provide the untested experience of absolute comfort.



## Long-Range Air Conditioning

Therefore, thanks to the long-range air-flow, instantaneous cool air is felt by all, regardless of how far they are from the air conditioner.



## Wide Airflow

As a result of the horizontal and vertical flaps that move independently of one another, a greater diversity of air-flow is available depending upon your needs: direct air flow in one direction, long-range cooling, broad left-right airflow, and three-dimensional cooling.



## AP28N1A

### Features

- Turbo Mode
- Timer
- Auto Shutter
- Remote Controller

### Remote Control & Outdoor Unit



|              | Power Source (V/Hz/Ø) | Refrigerant | 24K Btu | 28K Btu |
|--------------|-----------------------|-------------|---------|---------|
| Heat Pump    | 200~240V / 50 / 1     | R22         | AP24N1A | -       |
|              | 220 / 60 / 1          |             | -       | AP28N1A |
| Cooling Only | 200~240V / 50 / 1     | R22         | AP24N0A | -       |
|              | 220 / 60 / 1          |             | -       | AP28N0A |

# Queen Series Streamlined sophistication

## Powerful Large Capacity

Through revolutionary technologies, Samsung provides air conditioners with powerfully large capacities. Therefore, Samsung air conditioners can cool even the largest of rooms and offices without the excessive energy consumption of other commercially available air conditioners on the market.

|           |                    |     |
|-----------|--------------------|-----|
| Cooling   | APC503QG           | 50k |
|           | APC553QF           |     |
| Heat Pump | APH503QG (Heating) | 55k |
|           | APH553QF (Heating) |     |

\* Copeland 53,000btu Recipro Compressor

## Auto Blade

When your air conditioner is turned on, the flaps open, ready to deliver pure, fresh air. When your air conditioner is turned off, however, the flaps close, impeding dust particles from entering the interior of your air conditioner when not in use.



## 4-Way Auto Swing

It isn't economical to have two air conditioners to cool one large area. Therefore, thanks to the long-range air-flow, instantaneous cool air is felt by all, regardless of how far they are from the air conditioner.



## Long Distance Air Flow

As a result of the horizontal and vertical flaps that move independently of one another, a greater diversity of air-flow is available depending upon your needs: direct air flow in one direction, long-range cooling, broad left-right airflow, and three-dimensional cooling.



## Turbo Cooling System

When you enter your home or office after returning from the sweltering heat outside, you want immediate, cool relief. The turbo cooling system provides that to you, allowing you to cool down faster, contributing to higher productivity and comfort.



## AP55Q1B

### Features

- 4-way auto swing
- Dehumidification
- Turbo mode
- Timer
- Energy saving mode
- Auto shutter
- Remote controller
- Auto grille
- LED display
- Child care lock

### Remote Control & Outdoor Unit



|              | Power Source (V/Hz/Ø) | Refrigerant | 47K Btu | 48K Btu | 50K Btu | 52K Btu            |
|--------------|-----------------------|-------------|---------|---------|---------|--------------------|
| Heat Pump    | 380/50/3              | R22         | AP50Q1A | -       | -       | -                  |
|              | 220/60/3              |             | -       | -       | AP55Q1B | -                  |
| Cooling Only | 380/50/3              | R22         | -       | AP50Q0A | -       | -                  |
|              | 220/60/3              |             | -       | -       | -       | AP55Q2B<br>AP55Q0B |



# Specifications







# MB / MB II



| MODEL NO.                           |                                    |                     | AS18DWA*      | AS24DWA*       | AQ18DWA*      | AQ24DWA*       |
|-------------------------------------|------------------------------------|---------------------|---------------|----------------|---------------|----------------|
| AREA                                |                                    |                     | MEA           |                |               |                |
|                                     |                                    |                     | CO            | CO             | HP            | HP             |
|                                     |                                    |                     | R22           | R22            | R22           | R22            |
| <b>Refrigerant Type</b>             |                                    |                     |               |                |               |                |
| <b>Performance</b>                  |                                    |                     |               |                |               |                |
| Capacity                            | Cooling                            | Btu/hr. std         | 18,000        | 24,000         | 18,000        | 24,000         |
|                                     |                                    | min-max             |               |                |               |                |
|                                     |                                    | Cal/hr. std         | 4,385         | 5,847          | 4,385         | 5,847          |
|                                     | Heating                            | min-max             |               |                |               |                |
|                                     |                                    | kW std              | 5.10          | 6.8            | 5.1           | 6.8            |
|                                     |                                    | min-max             |               |                |               |                |
| Energy Efficiency                   | Cooling                            | Btu/hr. std         | -             | -              | 20,000        | 24,000         |
|                                     |                                    | min-max             |               |                |               |                |
|                                     |                                    | Cal/hr. std         | -             | -              | 4,987         | 6,019          |
|                                     | Heating                            | min-max             |               |                |               |                |
|                                     |                                    | kW std              | -             | -              | 5.8           | 7.0            |
|                                     |                                    | min-max             |               |                |               |                |
| Moisture Removal                    | Cooling                            | EER(Btu/W)          | 9.50          | 9.23           | 9.47          | 9.23           |
|                                     | Heating                            | EER(W/W)            | 2.79          | 2.71           | 2.78          | 2.71           |
| Air Circulation (Max)               | Cooling                            | COP(W/W)            | -             | -              | 3.13          | 2.71           |
|                                     | Heating                            | l/hr.               | 1.9           | 2.6            | 1.9           | 2.6            |
| Noise Level                         | Indoor High/Low                    | m <sup>3</sup> /min | 15            | 17             | 15            | 17             |
|                                     | Outdoor High                       | dB                  | 45/38         | 47 / 40        | 45/38         | 47 / 40        |
| <b>Electrical Data</b>              |                                    |                     |               |                |               |                |
| Power Source                        | V/Hz/ø                             |                     | 220-240/50/1  | 220-240/50/1   | 220-240/50/1  | 220-240/50/1   |
| Power Consumption                   | Cooling                            | W                   | 1894          | 2600           | 1900          | 2600           |
|                                     | Heating                            | W                   | -             | -              | 1870          | 2600           |
| Operating Current                   | Cooling                            | A                   | 9             | 12.5           | 9             | 12.5           |
|                                     | Heating                            | A                   | -             | -              | 9             | 12.5           |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                     |               |                |               |                |
| Net Dimension (WxHxD)               | Indoor                             | mm                  | 1100x307x225  | 1100x307x225   | 1100x307x225  | 1100x307x225   |
|                                     | Outdoor                            | mm                  | 790x548x285   | 880x638x310    | 790x548x285   | 880x638x310    |
| Net Weight                          | Indoor                             | kg                  | 12.7          | 12.7           | 12.7          | 12.7           |
|                                     | Outdoor                            | kg                  | 39            | 56             | 39            | 56             |
| Shipping Weight                     | Indoor                             | kg                  | 16            | 16             | 16            | 16             |
|                                     | Outdoor                            | kg                  | 43            | 58             | 43            | 58             |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo       | 66/144/166    | 58/121/138     | 66/144/166    | 58/121/138     |
|                                     | W/O Pipe                           | 20/40ft/Jumbo       | 69/150/168    | 54/115/129     | 69/150/168    | 54/115/129     |
| <b>Technical Information</b>        |                                    |                     |               |                |               |                |
| SVC Valve                           | Liquid                             | ODxL                | ø 6.35mmX5.0m | ø 6.35mmX5.0m  | ø 6.35mmX5.0m | ø 6.35mmX5.0m  |
|                                     | Gas                                | ODxL                | ø 12.7mmX5.0m | ø 15.88mmX5.0m | ø 12.7mmX5.0m | ø 15.88mmX5.0m |
| Piping Length                       | STD                                | mm                  | 5             | 5              | 5             | 5              |
|                                     | Max                                | mm                  | 15            | 20             | 15            | 20             |
|                                     | Max                                | mm                  | 8             | 8              | 8             | 8              |
| <b>Features</b>                     |                                    |                     |               |                |               |                |
| MPI                                 |                                    |                     |               |                |               |                |
| Good Sleep II                       |                                    |                     | •             | •              | •             | •              |
| Silver Coated Health System         | Silver Coated Filter               |                     |               | •              | •             | •              |
|                                     | Silver Coated Evaporator           |                     |               | •              | •             | •              |
| Anti Virus Filter                   |                                    |                     | •             | •              | •             | •              |
| Pure & Clean Air                    | DNA Filter                         |                     |               | •              | •             | •              |
|                                     | Pure Filter (HAF Filter)           |                     |               |                |               |                |
|                                     | Catechin Filter                    |                     |               |                |               |                |
|                                     | Deodorizing Filter                 |                     |               | •              | •             | •              |
| Operating Mode                      | Digital i Plus                     |                     |               |                |               |                |
|                                     | Dehumidification                   |                     |               | •              | •             | •              |
|                                     | Turbo Mode                         |                     |               | •              | •             | •              |
|                                     | Timer                              |                     |               | •              | •             | •              |
|                                     | Energy Saving Mode                 |                     |               | •              | •             | •              |
|                                     | Auto Restart                       |                     |               | •              | •             | •              |
|                                     | Auto Changeover                    |                     |               | •              | •             | •              |
|                                     | Auto Wind                          |                     |               | •              | •             | •              |
| Convenience                         | Air Flow Control Steps (Cool/Fan)  |                     |               | 4/3            | 4/3           | 4/3            |
|                                     | Air Direction Control (Up/Down)    |                     |               | AUTO           | AUTO          | AUTO           |
|                                     | Air Direction Control (Left/Right) |                     |               | MANUAL         | MANUAL        | MANUAL         |
|                                     | Auto Grille                        |                     |               |                |               |                |
|                                     | Remote Controller                  |                     |               | •              | •             | •              |
|                                     | Auto Clean (self cleaning)         |                     |               | •              | •             | •              |
| Etc.                                | Compressor Type                    |                     |               | ROTARY         | ROTARY        | ROTARY         |
| Low Ambient                         | Cooling                            | °C                  |               |                |               |                |
|                                     | Heating                            | °C                  |               |                |               |                |

| MODEL NO.                           |                                    |                     | AS18DWAUMG    | AS24DWAUMG     | AQ18DWAUMG    | AQ24DWAUMG     |
|-------------------------------------|------------------------------------|---------------------|---------------|----------------|---------------|----------------|
| AREA                                |                                    |                     | MEA           |                |               |                |
|                                     |                                    |                     | CO            | CO             | HP            | HP             |
|                                     |                                    |                     | R22           | R22            | R22           | R22            |
| <b>Performance</b>                  |                                    |                     |               |                |               |                |
| Capacity                            | Cooling                            | Btu/hr. std         | 18000         | 24000          | 18000         | 24000          |
|                                     |                                    | min-max             |               |                |               |                |
|                                     |                                    | Cal/hr. std         | 4,385         | 5,847          | 4,385         | 5,847          |
|                                     | Heating                            | min-max             |               |                |               |                |
|                                     |                                    | kW std              | 5.10          | 6.80           | 5.10          | 6.80           |
|                                     |                                    | min-max             |               |                |               |                |
| Energy Efficiency                   | Cooling                            | Btu/hr. std         | -             | -              | 20000         | 24000          |
|                                     |                                    | min-max             |               |                |               |                |
|                                     |                                    | Cal/hr. std         | -             | -              | 5,039         | 6,046          |
|                                     | Heating                            | min-max             |               |                |               |                |
|                                     |                                    | kW std              | -             | -              | 5.86          | 7.03           |
|                                     |                                    | min-max             |               |                |               |                |
| Moisture Removal                    | Cooling                            | EER(Btu/W)          | 9.50          | 9.23           | 9.50          | 9.23           |
|                                     | Heating                            | EER(W/W)            | 2.79          | 2.71           | 2.79          | 2.71           |
| Air Circulation (Max)               | Cooling                            | COP(W/W)            | -             | -              | 11.11         | 9.23           |
|                                     | Heating                            | l/hr.               | 1.9           | 2.6            | 1.9           | 2.6            |
| Noise Level                         | Indoor High/Low                    | m <sup>3</sup> /min | 15            | 17             | 15            | 17             |
|                                     | Outdoor High                       | dB                  | 45/38         | 47 / 40        | 45/38         | 47 / 40        |
| <b>Electrical Data</b>              |                                    |                     |               |                |               |                |
| Power Source                        | V/Hz/ø                             |                     | 220/60/1      | 220/60/1       | 220/60/1      | 220/60/1       |
| Power Consumption                   | Cooling                            | W                   | 1894          | 2600           | 1894          | 2600           |
|                                     | Heating                            | W                   | -             | -              | 1800          | 2600           |
| Operating Current                   | Cooling                            | A                   | 9             | 12.5           | 9             | 12             |
|                                     | Heating                            | A                   | -             | -              | 8             | 12             |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                     |               |                |               |                |
| Net Dimension (WxHxD)               | Indoor                             | mm                  | 1100x307x225  | 1100x307x225   | 1100x307x225  | 1100x307x225   |
|                                     | Outdoor                            | mm                  | 790x548x285   | 880x638x310    | 790x548x285   | 880x638x310    |
| Net Weight                          | Indoor                             | kg                  | 12.7          | 12.7           | 12.7          | 12.7           |
|                                     | Outdoor                            | kg                  | 39            | 56             | 39            | 56             |
| Shipping Weight                     | Indoor                             | kg                  | 16            | 16             | 16            | 16             |
|                                     | Outdoor                            | kg                  | 43            | 58             | 43            | 58             |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo       | 66/144/166    | 58/121/138     | 66/144/166    | 58/121/138     |
|                                     | W/O Pipe                           | 20/40ft/Jumbo       | 69/150/168    | 54/115/129     | 69/150/168    | 54/115/129     |
| <b>Technical Information</b>        |                                    |                     |               |                |               |                |
| SVC Valve                           | Liquid                             | ODxL                | ø 6.35mmX5.0m | ø 6.35mmX5.0m  | ø 6.35mmX5.0m | ø 6.35mmX5.0m  |
|                                     | Gas                                | ODxL                | ø 12.7mmX5.0m | ø 15.88mmX5.0m | ø 12.7mmX5.0m | ø 15.88mmX5.0m |
| Piping Length                       | STD                                | mm                  | 5             | 5              | 5             | 5              |
|                                     | Max                                | mm                  | 15            | 20             | 15            | 20             |
|                                     | Max                                | mm                  | 8             | 8              | 8             | 8              |
| <b>Features</b>                     |                                    |                     |               |                |               |                |
| MPI                                 |                                    |                     |               |                |               |                |
| Good Sleep II                       |                                    |                     | •             | •              | •             | •              |
| Silver Coated Health System         | Silver Coated Filter               |                     |               | •              | •             | •              |
|                                     | Silver Coated Evaporator           |                     |               | •              | •             | •              |
| Anti Virus Filter                   |                                    |                     | •             | •              | •             | •              |
| Pure & Clean Air                    | DNA Filter                         |                     |               | •              | •             | •              |
|                                     | Pure Filter (HAF Filter)           |                     |               |                |               |                |
|                                     | Catechin Filter                    |                     |               |                |               |                |
|                                     | Deodorizing Filter                 |                     |               | •              | •             | •              |
| Operating Mode                      | Digital i Plus                     |                     |               |                |               |                |
|                                     | Dehumidification                   |                     |               | •              | •             | •              |
|                                     | Turbo Mode                         |                     |               | •              | •             | •              |
|                                     | Timer                              |                     |               | •              | •             | •              |
|                                     | Energy Saving Mode                 |                     |               | •              | •             | •              |
|                                     | Auto Restart                       |                     |               | •              | •             | •              |
|                                     | Auto Changeover                    |                     |               | •              | •             | •              |
|                                     | Auto Wind                          |                     |               | •              | •             | •              |
| Convenience                         | Air Flow Control Steps (Cool/Fan)  |                     |               | 4/3            | 4/3           | 4/3            |
|                                     | Air Direction Control (Up/Down)    |                     |               | AUTO           | AUTO          | AUTO           |
|                                     | Air Direction Control (Left/Right) |                     |               | MANUAL         | MANUAL        | MANUAL         |
|                                     | Auto Grille                        |                     |               |                |               |                |
|                                     | Remote Controller                  |                     |               | •              | •             | •              |
|                                     | Auto Clean (self cleaning)         |                     |               | •              | •             | •              |
| Etc.                                | Compressor Type                    |                     |               | ROTARY         | ROTARY        | ROTARY         |
| Low Ambient                         | Cooling                            | °C                  |               |                |               |                |
|                                     | Heating                            | °C                  |               |                |               |                |



| MODEL NO.                           | AQV09VBEN                         |                     | AQV12VBEN    |              | AQV18VG      |              | AQV24VBEN  |  |
|-------------------------------------|-----------------------------------|---------------------|--------------|--------------|--------------|--------------|------------|--|
| AREA                                | Europe                            |                     |              |              |              |              |            |  |
|                                     | S Inverter                        |                     | S Inverter   |              | S Inverter   |              | S Inverter |  |
|                                     | R410A                             |                     | R410A        |              | R410A        |              | R410A      |  |
| <b>Refrigerant Type</b>             |                                   |                     |              |              |              |              |            |  |
| <b>Performance</b>                  |                                   |                     |              |              |              |              |            |  |
| Capacity                            | Cooling                           | Btu/hr. std         | 8,530        | 11,942       | 17,061       | 23,203       |            |  |
|                                     |                                   | min-max             | 3,378-10,919 | 3,337-10,919 | 5,459-2,0473 | 7,507-27,297 |            |  |
|                                     |                                   | kCal/hr. std        | 2,150        | 3,009        | 4,299        | 5,847        |            |  |
|                                     |                                   | min-max             | 851-2,149    | 851-2,751    | 1,376-5,159  | 1,892-6,879  |            |  |
|                                     |                                   | kW std              | 2.5          | 3.5          | 5.0          | 6.8          |            |  |
|                                     |                                   | min-max             | 0.99-3.2     | 0.99-4.0     | 1.6-6.0      | 2.2-8.0      |            |  |
| Heating                             |                                   | Btu/hr. std         | 11,942       | 13,649       | 20,473       | 27,297       |            |  |
|                                     |                                   | min-max             | 3,378-15,354 | 3,378-13,649 | 4,095-25,591 | 6,483-32,415 |            |  |
|                                     |                                   | kCal/hr. std        | 3,009        | 3,439        | 5,159        | 6,879        |            |  |
|                                     |                                   | min-max             | 851-3,869    | 851-3,439    | 1,032-6,449  | 1,634-8,169  |            |  |
|                                     |                                   | kW std              | 3.5          | 4.0          | 6.0          | 8.0          |            |  |
|                                     |                                   | min-max             | 0.99-4.5     | 0.99-5.2     | 1.2-7.5      | 1.9-9.5      |            |  |
| Energy Efficiency                   | Cooling                           | EER(Btu/W)          | 14.0         | 11.6         | 11.6         | 10.3         |            |  |
|                                     |                                   | EER(W/W)            | 4.10         | 3.40         | 3.40         | 3.01         |            |  |
|                                     | Heating                           | COP(W/W)            | 4.12         | 3.64         | 3.61         | 2.81         |            |  |
|                                     |                                   |                     | 1.0          | 1.4          | 2.5          | 3.0          |            |  |
| Moisture Removal                    |                                   | l/hr.               | 8.0          | 9.0          | 13.0         | 15.0         |            |  |
| Air Circulation (Max)               |                                   | m <sup>3</sup> /min | 31/21        | 35 / 21      | 40 / 30      | 41 / 30      |            |  |
| Noise Level                         | Indoor High/Low                   | dB                  | 45           | 45           | 53           | 55           |            |  |
|                                     | Outdoor High                      | dB                  |              |              |              |              |            |  |
| <b>Electrical Data</b>              |                                   |                     |              |              |              |              |            |  |
| Power Source                        |                                   | V/Hz/ø              | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 |            |  |
| Power Consumption                   | Cooling                           | W                   | 610          | 1030         | 1470         | 2260         |            |  |
|                                     | Heating                           | W                   | 850          | 1100         | 1660         | 2850         |            |  |
| Operating Current                   | Cooling                           | A                   | 3.0          | 4.8          | 6.8          | 10.6         |            |  |
|                                     | Heating                           | A                   | 4.5          | 5.2          | 7.7          | 13.0         |            |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                   |                     |              |              |              |              |            |  |
| Net Dimension (WxHxD)               | Indoor                            | mm                  | 825x285x189  | 825x285x189  | 1065x298x218 | 1065x298x218 |            |  |
|                                     | Outdoor                           | mm                  | 790x548x285  | 790x548x285  | 880x638x310  | 880x638x310  |            |  |
| Net Weight                          | Indoor                            | kg                  | 9            | 9            | 13           | 13           |            |  |
|                                     | Outdoor                           | kg                  | 33.8         | 33.8         | 46           | 51           |            |  |
| Shipping Weight                     | Indoor                            | kg                  | 11           | 11           | 16           | 16           |            |  |
|                                     | Outdoor                           | kg                  | 37           | 37           | 50           | 53           |            |  |
| Loading Q'ty                        | W Pipe                            | 20/40ft/Jumbo       | 91/193/216   | 91/193/216   | 61/128/150   | 61/128/150   |            |  |
|                                     | W/O Pipe                          | 20/40ft/Jumbo       | 101/209/233  | 101/209/233  | 66/138/153   | 66/138/153   |            |  |
| <b>Technical Information</b>        |                                   |                     |              |              |              |              |            |  |
| SVC Valve                           | Liquid                            | ODxL                | ø 6.35mmx5m  | ø 6.35mmx5m  | ø 6.35mmx5m  | ø 6.35mmx5m  |            |  |
|                                     | Gas                               | ODxL                | ø 9.52mmx5m  | ø 9.52mmx5m  | ø 12.7mmx5m  | ø 15.88mmx5m |            |  |
| Piping Length                       | STD                               | mm                  | 5            | 5            | 5            | 5            |            |  |
|                                     | Max                               | mm                  | 15           | 15           | 30           | 30           |            |  |
| Piping Height                       | Max                               | mm                  | 8            | 8            | 15           | 15           |            |  |
| <b>Features</b>                     |                                   |                     |              |              |              |              |            |  |
| MPI                                 |                                   |                     | •            | •            | •            | •            |            |  |
| Good Sleep II                       |                                   |                     | •            | •            | •            | •            |            |  |
| Silver Coated Health System         | Silver Coated Filter              |                     | •            | •            | •            | •            |            |  |
|                                     | Silver Coated Evaporator          |                     | •            | •            | •            | •            |            |  |
| Anti Virus Filter                   |                                   |                     | •            | •            | •            | •            |            |  |
| Pure & Clean Air                    | DNA Filter                        |                     | •            | •            | •            | •            |            |  |
|                                     | Pure Filter (HAF Filter)          |                     |              |              |              |              |            |  |
|                                     | Catechin Filter                   |                     | •            | •            | •            | •            |            |  |
|                                     | Deodorizing Filter                |                     | •            | •            | •            | •            |            |  |
| Operating Mode                      | Digital i Plus                    |                     | •            | •            | •            | •            |            |  |
|                                     | Dehumidification                  |                     | •            | •            | •            | •            |            |  |
|                                     | Turbo Mode                        |                     | •            | •            | •            | •            |            |  |
|                                     | Timer                             |                     | •            | •            | •            | •            |            |  |
|                                     | Energy Saving Mode                |                     | •            | •            | •            | •            |            |  |
|                                     | Auto Restart                      |                     | •            | •            | •            | •            |            |  |
|                                     | Auto Changeover                   |                     | •            | •            | •            | •            |            |  |
|                                     | Auto Wind                         |                     | •            | •            | •            | •            |            |  |
|                                     | Air Flow Control Steps (Cool/Fan) |                     | 4/3          | 4/3          | 4/3          | 4/3          |            |  |
|                                     | Air Direction Control (Up/Down)   |                     | AUTO         | AUTO         | AUTO         | AUTO         |            |  |
| Air Direction Control (Left/Right)  |                                   | MANUAL              | MANUAL       | MANUAL       | MANUAL       |              |            |  |
| Auto Grille                         |                                   | •                   | •            | •            | •            |              |            |  |
| Remote Controller                   |                                   | •                   | •            | •            | •            |              |            |  |
| Auto Clean (self cleaning)          |                                   | •                   | •            | •            | •            |              |            |  |
| Etc.                                | Compressor Type                   |                     | ROTARY       | ROTARY       | ROTARY       | TWIN         |            |  |
| Low Ambient                         | Cooling                           | °C                  | -10-43       | -10-43       | -10-43       | -10-43       |            |  |
|                                     | Heating                           | °C                  | -15-24       | -15-24       | -15-24       | -15-24       |            |  |

| MODEL NO.                           | AQV09VSCNXSA                      |                     | AQV12VSCNXSA  |               | AQV18VSCNXSA  |                | AQV24VSCNXSA |  |
|-------------------------------------|-----------------------------------|---------------------|---------------|---------------|---------------|----------------|--------------|--|
| AREA                                | SouthEast Asia                    |                     |               |               |               |                |              |  |
|                                     | S Inverter                        |                     | S Inverter    |               | S Inverter    |                | S Inverter   |  |
|                                     | R410A                             |                     | R410A         |               | R410A         |                | R410A        |  |
| <b>Performance</b>                  |                                   |                     |               |               |               |                |              |  |
| Capacity                            | Cooling                           | Btu/hr. std         | 8,531         | 11,943        | 17,062        | 23,204         |              |  |
|                                     |                                   | min-max             | 3,378-10,919  | 3,378-13,649  | 6,483-20,473  | 7,507-27,297   |              |  |
|                                     |                                   | kCal/hr. std        | 2,150         | 3,009         | 4,299         | 5,847          |              |  |
|                                     |                                   | min-max             | 851-2,752     | 851-3,439     | 1,634-5,159   | 1,892-6,879    |              |  |
|                                     |                                   | kW std              | 2.5           | 3.5           | 5.0           | 6.8            |              |  |
|                                     |                                   | min-max             | 0.99-3.2      | 0.99-4.0      | 1.6-6.0       | 2.2-8.0        |              |  |
| Heating                             |                                   | Btu/hr. std         | 11,943        | 13,650        | 20,474        | 27,299         |              |  |
|                                     |                                   | min-max             | 3,378-15,355  | 3,378-17,743  | 5,801-27,297  | 6,483-34,121   |              |  |
|                                     |                                   | kCal/hr. std        | 3,009         | 3,439         | 5,159         | 6,878          |              |  |
|                                     |                                   | min-max             | 851-3,869     | 851-4,471     | 1,462-6,879   | 1,634-8,598    |              |  |
|                                     |                                   | kW std              | 3.5           | 4.0           | 6.0           | 8.0            |              |  |
|                                     |                                   | min-max             | 0.99-4.5      | 0.99-5.2      | 1.7-8.0       | 1.9-10.0       |              |  |
| Energy Efficiency                   | Cooling                           | EER(Btu/W)          | 14.0          | 11.6          | 11.0          | 11.0           |              |  |
|                                     |                                   | EER(W/W)            | 4.10          | 3.40          | 3.21          | 3.21           |              |  |
|                                     | Heating                           | COP(W/W)            | 4.10          | 3.64          | 3.41          | 3.42           |              |  |
|                                     |                                   |                     | 1.0           | 1.4           | 2.5           | 3.0            |              |  |
| Moisture Removal                    |                                   | l/hr.               | 8.0           | 9.0           | 13.0          | 19.0           |              |  |
| Air Circulation (Max)               |                                   | m <sup>3</sup> /min | 31/21         | 35 / 21       | 40 / 30       | 46 / 36        |              |  |
| Noise Level                         | Indoor High/Low                   | dB                  | 45            | 45            | 53            | 55             |              |  |
|                                     | Outdoor High                      | dB                  |               |               |               |                |              |  |
| <b>Electrical Data</b>              |                                   |                     |               |               |               |                |              |  |
| Power Source                        |                                   | V/Hz/ø              | 220-240/50/1  | 220-240/50/1  | 220-240/50/1  | 220-240/50/1   |              |  |
| Power Consumption                   | Cooling                           | W                   | 610           | 1030          | 1560          | 2120           |              |  |
|                                     | Heating                           | W                   | 853           | 1100          | 1760          | 2340           |              |  |
| Operating Current                   | Cooling                           | A                   | 3.0           | 4.8           | 7.0           | 9.5            |              |  |
|                                     | Heating                           | A                   | 4.5           | 5.2           | 8.0           | 10.2           |              |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                   |                     |               |               |               |                |              |  |
| Net Dimension (WxHxD)               | Indoor                            | mm                  | 825x285x189   | 825x285x189   | 1065x298x218  | 1065x298x218   |              |  |
|                                     | Outdoor                           | mm                  | 790x548x285   | 790x548x285   | 880x638x310   | 880x798x310    |              |  |
| Net Weight                          | Indoor                            | kg                  | 9             | 9             | 13            | 13             |              |  |
|                                     | Outdoor                           | kg                  | 32.6          | 32.6          | 51            | 57             |              |  |
| Shipping Weight                     | Indoor                            | kg                  | 11            | 11            | 16            | 16             |              |  |
|                                     | Outdoor                           | kg                  | 35.4          | 35.4          | 53            | 60             |              |  |
| Loading Q'ty                        | W Pipe                            | 20/40ft/Jumbo       | 91/193/216    | 91/193/216    | 61/128/150    | 61/128/150     |              |  |
|                                     | W/O Pipe                          | 20/40ft/Jumbo       | 101/209/233   | 101/209/233   | 66/138/153    | 66/138/153     |              |  |
| <b>Technical Information</b>        |                                   |                     |               |               |               |                |              |  |
| SVC Valve                           | Liquid                            | ODxL                | ø 6.35mmx7.5m | ø 6.35mmx7.5m | ø 6.35mmx7.5m | ø 6.35mmx7.5m  |              |  |
|                                     | Gas                               | ODxL                | ø 9.52mmx7.5m | ø 9.52mmx7.5m | ø 12.7mmx7.5m | ø 15.88mmx7.5m |              |  |
| Piping Length                       | STD                               | mm                  | 7.5           | 7.5           | 7.5           | 7.5            |              |  |
|                                     | Max                               | mm                  | 15            | 15            | 30            | 30             |              |  |
| Piping Height                       | Max                               | mm                  | 8             | 8             | 15            | 15             |              |  |
| <b>Features</b>                     |                                   |                     |               |               |               |                |              |  |
| MPI                                 |                                   |                     | •             | •             | •             | •              |              |  |
| Good Sleep II                       |                                   |                     | •             | •             | •             | •              |              |  |
| Silver Coated Health System         | Silver Coated Filter              |                     | •             | •             | •             | •              |              |  |
|                                     | Silver Coated Evaporator          |                     | •             | •             | •             | •              |              |  |
| Anti Virus Filter                   |                                   |                     | •             | •             | •             | •              |              |  |
| Pure & Clean Air                    | DNA Filter                        |                     | •             | •             | •             | •              |              |  |
|                                     | Pure Filter (HAF Filter)          |                     |               |               |               |                |              |  |
|                                     | Catechin Filter                   |                     | •             | •             | •             | •              |              |  |
|                                     | Deodorizing Filter                |                     | •             | •             | •             | •              |              |  |
| Operating Mode                      | Digital i Plus                    |                     | •             | •             | •             | •              |              |  |
|                                     | Dehumidification                  |                     | •             | •             | •             | •              |              |  |
|                                     | Turbo Mode                        |                     | •             | •             | •             | •              |              |  |
|                                     | Timer                             |                     | •             | •             | •             | •              |              |  |
|                                     | Energy Saving Mode                |                     | •             | •             | •             | •              |              |  |
|                                     | Auto Restart                      |                     | •             | •             | •             | •              |              |  |
|                                     | Auto Changeover                   |                     | •             | •             | •             | •              |              |  |
|                                     | Auto Wind                         |                     | •             | •             | •             | •              |              |  |
|                                     | Air Flow Control Steps (Cool/Fan) |                     | 4/3           | 4/3           | 4/3           | 4/3            |              |  |
|                                     | Air Direction Control (Up/Down)   |                     | AUTO          | AUTO          | AUTO          | AUTO           |              |  |
| Air Direction Control (Left/Right)  |                                   | MANUAL              | MANUAL        | MANUAL        | MANUAL        |                |              |  |
| Auto Grille                         |                                   | •                   | •             | •             | •             |                |              |  |
| Remote Controller                   |                                   | •                   | •             | •             | •             |                |              |  |
| Auto Clean (self cleaning)          |                                   | •                   | •             | •             | •             |                |              |  |
| Etc.                                | Compressor Type                   |                     | ROTARY        | ROTARY        | TWIN          | TWIN           |              |  |
| Low Ambient                         | Cooling                           | °C                  | -10-43        | -10-43        | -10-43        | -10-43         |              |  |
|                                     | Heating                           | °C                  | -15-24        | -15-24        | -15-24        | -15-24         |              |  |







| MODEL NO.                           | AQ18V*E*                           |                       | AQ24V*C*            |              | AS18V*CUMG   |              | AS24V*CUMG |  |
|-------------------------------------|------------------------------------|-----------------------|---------------------|--------------|--------------|--------------|------------|--|
| AREA                                | MEA                                |                       |                     |              |              |              |            |  |
| Refrigerant Type                    | HP                                 |                       | HP                  |              | CO           |              | CO         |  |
| Performance                         | R22                                |                       | R22                 |              | R22          |              | R22        |  |
| Capacity                            | Cooling                            | Btu/hr. std           | 18000               | 24000        | 18000        | 24000        |            |  |
|                                     |                                    | min-max               |                     |              |              |              |            |  |
|                                     |                                    | kCal/hr. std          | 4,385               | 5,847        | 4,385        | 5,847        |            |  |
|                                     | Heating                            | min-max               |                     |              |              |              |            |  |
|                                     |                                    | kW std                | 5.1                 | 6.8          | 5.1          | 6.8          |            |  |
|                                     |                                    | min-max               |                     |              |              |              |            |  |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)            | 9.47                | 9.23         | 9.47         | 9.23         |            |  |
|                                     |                                    | EER(W/W)              | 2.68                | 2.62         | 2.68         | 2.62         |            |  |
|                                     |                                    | COP(W/W)              | 2.95                | 2.64         | 3.26         | -            |            |  |
| Moisture Removal                    | Heating                            | l/hr.                 | 1.9                 | 2.6          | 1.9          | 2.6          |            |  |
|                                     |                                    | Air Circulation (Max) | m <sup>3</sup> /min | 15           | 17           | 15           | 17         |  |
| Noise Level                         | Indoor High/Low                    | dB                    | 40/32               | 42/35        | 40/32        | 42/35        |            |  |
|                                     | Outdoor High                       | dB                    | 52                  | 55           | 52           | 55           |            |  |
| <b>Electrical Data</b>              |                                    |                       |                     |              |              |              |            |  |
| Power Source                        | V/Hz/ø                             |                       | 220-240/50/1        | 220-240/50/1 | 220/60/1     | 220/60/1     |            |  |
| Power Consumption                   | Cooling                            | W                     | 1900                | 2600         | 1900(2250)   | 2600         |            |  |
|                                     | Heating                            | W                     | 1900                | 2650         | -            | -            |            |  |
| Operating Current                   | Cooling                            | A                     | 9                   | 12.5         | 8.8(10.1)    | 12           |            |  |
|                                     | Heating                            | A                     | 9                   | 12.5         | -            | -            |            |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                       |                     |              |              |              |            |  |
| Net Dimension (WxHxD)               | Indoor                             | mm                    | 825x285x189         | 1065x298x214 | 1065x298x214 | 1065x298x214 |            |  |
|                                     | Outdoor                            | mm                    | 790x548x285         | 790x548x285  | 790x548x285  | 790x548x285  |            |  |
| Net Weight                          | Indoor                             | kg                    | 9.0                 | 13.0         | 13.0         | 13.0         |            |  |
|                                     | Outdoor                            | kg                    | 39.0                | 41.0         | 39.0         | 41.0         |            |  |
| Shipping Weight                     | Indoor                             | kg                    | 11.0                | 16.0         | 16.0         | 16.0         |            |  |
|                                     | Outdoor                            | kg                    | 43.0                | 45.0         | 43.0         | 45.0         |            |  |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo         | 91/193/216          | 82/170/197   | 82/170/197   | 82/170/197   |            |  |
|                                     | W/O Pipe                           | 20/40ft/Jumbo         | 101/209/233         | 82/170/197   | 82/170/197   | 82/170/197   |            |  |
| <b>Technical Information</b>        |                                    |                       |                     |              |              |              |            |  |
| SVC Valve                           | Liquid                             | ODxL                  | ø 6.35mmx5m         | ø 6.35mmx5m  | ø 6.35mmx5m  | ø 6.35mmx5m  |            |  |
|                                     | Gas                                | ODxL                  | ø 12.7mmx5m         | ø 15.88mmx5m | ø 12.7mmx5m  | ø 15.88mmx5m |            |  |
| Piping Length                       | STD                                | mm                    | 5                   | 5            | 5            | 5            |            |  |
|                                     | Max                                | mm                    | 15                  | 20           | 15           | 20           |            |  |
| Piping Height                       | Max                                | mm                    | 8                   | 8            | 8            | 8            |            |  |
| <b>Features</b>                     |                                    |                       |                     |              |              |              |            |  |
| MPI                                 |                                    |                       | •                   | •            | •            | •            |            |  |
| Good Sleep II                       |                                    |                       | •                   | •            | •            | •            |            |  |
| Silver Coated Health System         | Silver Coated Filter               |                       | •                   | •            | •            | •            |            |  |
|                                     | Silver Coated Evaporator           |                       | •                   | •            | •            | •            |            |  |
| Anti Virus Filter                   |                                    |                       | •                   | •            | •            | •            |            |  |
| Pure & Clean Air                    | DNA Filter                         |                       | •                   | •            | •            | •            |            |  |
|                                     | Pure Filter (HAF Filter)           |                       | •                   | •            | •            | •            |            |  |
| Operating Mode                      | Catechin Filter                    |                       | •                   | •            | •            | •            |            |  |
|                                     | Deodorizing Filter                 |                       | •                   | •            | •            | •            |            |  |
| Convenience                         | Digital i Plus                     |                       | •                   | •            | •            | •            |            |  |
|                                     | Dehumidification                   |                       | •                   | •            | •            | •            |            |  |
|                                     | Turbo Mode                         |                       | •                   | •            | •            | •            |            |  |
|                                     | Timer                              |                       | •                   | •            | •            | •            |            |  |
|                                     | Energy Saving Mode                 |                       | •                   | •            | •            | •            |            |  |
|                                     | Auto Restart                       |                       | •                   | •            | •            | •            |            |  |
|                                     | Auto Changeover                    |                       | •                   | •            | •            | •            |            |  |
|                                     | Auto Wind                          |                       | •                   | •            | •            | •            |            |  |
| Etc.                                | Air Flow Control Steps (Cool/Fan)  |                       | 4/3                 | 4/3          | 4/3          | 4/3          |            |  |
|                                     | Air Direction Control (Up/Down)    |                       | AUTO                | AUTO         | AUTO         | AUTO         |            |  |
| Low Ambient                         | Air Direction Control (Left/Right) |                       | MANUAL              | MANUAL       | MANUAL       | MANUAL       |            |  |
|                                     | Auto Grille                        |                       | •                   | •            | •            | •            |            |  |
| Compressor Type                     | Remote Controller                  |                       | •                   | •            | •            | •            |            |  |
|                                     | Auto Clean (self cleaning)         |                       | •                   | •            | •            | •            |            |  |
| Compressor Type                     | Cooling                            | °C                    | ROTARY              | ROTARY       | ROTARY       | ROTARY       |            |  |
|                                     | Heating                            | °C                    |                     |              |              |              |            |  |

| MODEL NO.                           | AQ18V*CUMG                         |                       | AQ24V*CUMG          |              | AS12VBBCXAP |              | AS18VBBCXAP  |    | AS24VBBCXAP |  |  |  |
|-------------------------------------|------------------------------------|-----------------------|---------------------|--------------|-------------|--------------|--------------|----|-------------|--|--|--|
| AREA                                | MEA                                |                       |                     |              |             |              |              |    | AMERICA     |  |  |  |
| Refrigerant Type                    | HP                                 |                       | HP                  |              | CO          |              | CO           |    | CO          |  |  |  |
| Performance                         | R22                                |                       | R22                 |              | R22         |              | R22          |    | R22         |  |  |  |
| Capacity                            | Cooling                            | Btu/hr. std           | 18000               | 24000        | 12,400      | 18000        | 24000        |    |             |  |  |  |
|                                     |                                    | min-max               |                     |              |             |              |              |    |             |  |  |  |
|                                     |                                    | kCal/hr. std          | 4,385               | 5,847        | 3,125       | 4,385        | 5,847        |    |             |  |  |  |
|                                     | Heating                            | min-max               |                     |              |             |              |              |    |             |  |  |  |
|                                     |                                    | kW std                | 5.1                 | 6.8          | 3.64        | 5.1          | 6.8          |    |             |  |  |  |
|                                     |                                    | min-max               |                     |              |             |              |              |    |             |  |  |  |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)            | 9.47                | 9.23         | 9.54        | 9.47         | 8.73         |    |             |  |  |  |
|                                     |                                    | EER(W/W)              | 2.68                | 2.62         | 2.80        | 2.78         | 2.56         |    |             |  |  |  |
|                                     |                                    | COP(W/W)              | 3.26                | 2.81         | -           | -            | -            |    |             |  |  |  |
| Moisture Removal                    | Heating                            | l/hr.                 | 1.9                 | 2.692307692  | 1.5         | 1.9          | 2.5          |    |             |  |  |  |
|                                     |                                    | Air Circulation (Max) | m <sup>3</sup> /min | 15           | 17          | 9.4          | 15           | 15 |             |  |  |  |
| Noise Level                         | Indoor High/Low                    | dB                    | 40/32               | 42/35        | 44/26       | 48/33        | 48/33        |    |             |  |  |  |
|                                     | Outdoor High                       | dB                    | 52                  | 55           | 57          | 59           | 58           |    |             |  |  |  |
| <b>Electrical Data</b>              |                                    |                       |                     |              |             |              |              |    |             |  |  |  |
| Power Source                        | V/Hz/ø                             |                       | 220/60/1            | 220/60/1     | 220/60/1    | 220/60/1     | 220/60/1     |    |             |  |  |  |
| Power Consumption                   | Cooling                            | W                     | 1900(2250)          | 2600         | 1300        | 1900         | 2750         |    |             |  |  |  |
|                                     | Heating                            | W                     | 1800                | 2650         | -           | -            | -            |    |             |  |  |  |
| Operating Current                   | Cooling                            | A                     | 8.8(10.1)           | 12           | 6.2         | 9            | 13.5         |    |             |  |  |  |
|                                     | Heating                            | A                     | 8.2                 | 12           | -           | -            | -            |    |             |  |  |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                       |                     |              |             |              |              |    |             |  |  |  |
| Net Dimension (WxHxD)               | Indoor                             | mm                    | 1065x298x214        | 1065x298x214 | 825x285x189 | 825x285x189  | 1065x298x214 |    |             |  |  |  |
|                                     | Outdoor                            | mm                    | 790x548x285         | 790x548x285  | 660x470x240 | 790x548x285  | 790x548x285  |    |             |  |  |  |
| Net Weight                          | Indoor                             | kg                    | 13.0                | 13.0         | 9.0         | 9.0          | 13.0         |    |             |  |  |  |
|                                     | Outdoor                            | kg                    | 39.0                | 41.0         | 26.0        | 39.0         | 41.0         |    |             |  |  |  |
| Shipping Weight                     | Indoor                             | kg                    | 16.0                | 16.0         | 11.0        | 11.0         | 16.0         |    |             |  |  |  |
|                                     | Outdoor                            | kg                    | 43.0                | 45.0         | 27.5        | 43.0         | 45.0         |    |             |  |  |  |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo         | 82/170/197          | 82/170/197   | 116/240/273 | 91/193/216   | 82/170/197   |    |             |  |  |  |
|                                     | W/O Pipe                           | 20/40ft/Jumbo         | 82/170/197          | 82/170/197   | 136/280/303 | 101/209/233  | 82/170/197   |    |             |  |  |  |
| <b>Technical Information</b>        |                                    |                       |                     |              |             |              |              |    |             |  |  |  |
| SVC Valve                           | Liquid                             | ODxL                  | ø 6.35mmx5m         | ø 6.35mmx5m  | ø 6.35mmx5m | ø 6.35mmx5m  | ø 6.35mmx5m  |    |             |  |  |  |
|                                     | Gas                                | ODxL                  | ø 12.7mmx5m         | ø 15.88mmx5m | ø 12.7mmx5m | ø 15.88mmx5m | ø 15.88mmx5m |    |             |  |  |  |
| Piping Length                       | STD                                | mm                    | 5                   | 5            | 5           | 5            | 5            |    |             |  |  |  |
|                                     | Max                                | mm                    | 15                  | 20           | 15          | 15           | 20           |    |             |  |  |  |
| Piping Height                       | Max                                | mm                    | 8                   | 8            | 7           | 8            | 8            |    |             |  |  |  |
| <b>Features</b>                     |                                    |                       |                     |              |             |              |              |    |             |  |  |  |
| MPI                                 |                                    |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Good Sleep II                       |                                    |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Silver Coated Health System         | Silver Coated Filter               |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Silver Coated Evaporator           |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Anti Virus Filter                   |                                    |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Pure & Clean Air                    | DNA Filter                         |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Pure Filter (HAF Filter)           |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Operating Mode                      | Catechin Filter                    |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Deodorizing Filter                 |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Convenience                         | Digital i Plus                     |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Dehumidification                   |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Turbo Mode                         |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Timer                              |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Energy Saving Mode                 |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Auto Restart                       |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Auto Changeover                    |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Auto Wind                          |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Etc.                                | Air Flow Control Steps (Cool/Fan)  |                       | 4/3                 | 4/3          | 4/3         | 4/3          | 4/3          |    |             |  |  |  |
|                                     | Air Direction Control (Up/Down)    |                       | AUTO                | AUTO         | AUTO        | AUTO         | AUTO         |    |             |  |  |  |
| Low Ambient                         | Air Direction Control (Left/Right) |                       | MANUAL              | MANUAL       | MANUAL      | MANUAL       | MANUAL       |    |             |  |  |  |
|                                     | Auto Grille                        |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Compressor Type                     | Remote Controller                  |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
|                                     | Auto Clean (self cleaning)         |                       | •                   | •            | •           | •            | •            |    |             |  |  |  |
| Compressor Type                     | Cooling                            | °C                    | ROTARY              | ROTARY       | ROTARY      | ROTARY       | ROTARY       |    |             |  |  |  |
|                                     | Heating                            | °C                    |                     |              |             |              |              |    |             |  |  |  |











| MODEL NO.             |                 |                     | ASV24ESLXAP         | ASV12ESLXAX         | ASV18ESLXAX         | ASV24ESLXAX         |
|-----------------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| AREA                  | America         |                     |                     |                     |                     |                     |
| Refrigerant Type      |                 |                     | S-Inverter<br>R410A | S-Inverter<br>R410A | S-Inverter<br>R410A | S-Inverter<br>R410A |
| <b>Performance</b>    |                 |                     |                     |                     |                     |                     |
| Capacity              | Cooling         | Btu/hr. std         | 20,473              | 11,022              | 17,744              | 20,473              |
|                       |                 | min-max             | 6,484 ~ 28,151      | 3,379 ~ 13,649      | 4,436 ~ 21,838      | 6,484 ~ 28,151      |
|                       | Cal/hr. std     |                     | 5,160               | 2,778               | 4,472               | 5,160               |
|                       |                 | min-max             | 1,634 ~ 7,094       | 852 ~ 3,440         | 1,118 ~ 5,504       | 1,634 ~ 7,094       |
| Heating               | Btu/hr. std     |                     | 6.00                | 3.23                | 5.20                | 6.00                |
|                       |                 | min-max             | 1.9 ~ 8.25          | 0.99 ~ 4            | 1.3 ~ 6.4           | 1.9 ~ 8.25          |
|                       | Cal/hr. std     |                     | -                   | -                   | -                   | -                   |
|                       |                 | min-max             | -                   | -                   | -                   | -                   |
| Energy Efficiency     | Cooling         | EER(Btu/W)          | 12.8                | 13.1                | 13.1                | 12.8                |
|                       |                 | EER(W/W)            | 3.75                | 3.85                | 3.85                | 3.75                |
|                       | Heating         | COP(W/W)            | -                   | -                   | -                   | -                   |
|                       |                 | Moisture Removal    | l/hr.               | 3.0                 | 1.4                 | 2.5                 |
| Air Circulation (Max) |                 | m <sup>3</sup> /min | 15.0                | 9.0                 | 13.0                | 15.0                |
| Noise Level           | Indoor High/Low | dB                  | 45/32               | 38/23               | 45/32               | 45/32               |
|                       | Outdoor High    | dB                  | 57                  | 47                  | 55                  | 57                  |

| <b>Electrical Data</b> |         |        |          |          |          |          |
|------------------------|---------|--------|----------|----------|----------|----------|
| Power Source           |         | V/Hz/ø | 230/60/1 | 230/60/1 | 230/60/1 | 230/60/1 |
| Power Consumption      | Cooling | W      | 1600     | 840      | 1350     | 1600     |
|                        | Heating | W      | -        | -        | -        | -        |
| Operating Current      | Cooling | A      | 7.1      | 4.0      | 6.3      | 7.1      |
|                        | Heating | A      | -        | -        | -        | -        |

| <b>Dimension &amp; Loading Q'ty</b> |          |               |              |             |              |              |
|-------------------------------------|----------|---------------|--------------|-------------|--------------|--------------|
| Net Dimension (WxHxD)               | Indoor   | mm            | 1065x298x222 | 820x285x190 | 1065x298x222 | 1065x298x222 |
|                                     | Outdoor  | mm            | 880x638x310  | 720x548x265 | 880x638x310  | 880x638x310  |
| Net Weight                          | Indoor   | kg            | 13           | 7.9         | 13           | 13           |
|                                     | Outdoor  | kg            | 52           | 31          | 46           | 52           |
| Shipping Weight                     | Indoor   | kg            | 16           | 9.5         | 16           | 16           |
|                                     | Outdoor  | kg            | 55.6         | 34          | 49.5         | 55.6         |
| Loading Q'ty                        | W Pipe   | 20/40ft/Jumbo | 61/130/150   | 96/200/224  | 61/130/150   | 61/130/150   |
|                                     | W/O Pipe | 20/40ft/Jumbo | 66/138/152   | 103/216/246 | 66/138/152   | 66/138/152   |

| <b>Technical Information</b> |        |      |                |               |               |                |
|------------------------------|--------|------|----------------|---------------|---------------|----------------|
| SVC Valve                    | Liquid | ODxL | ø 6.35mm X 5m  | ø 6.35mm X 5m | ø 6.35mm X 5m | ø 6.35mm X 5m  |
|                              | Gas    | ODxL | ø 15.88mm X 5m | ø 9.52mm X 5m | ø 12.7mm X 5m | ø 15.88mm X 5m |
| Piping Length                | STD    | mm   | 5              | 5             | 5             | 5              |
|                              | Max    | mm   | 30             | 15            | 30            | 30             |
| Piping Height                | Max    | mm   | 15             | 7             | 15            | 15             |

| <b>Features</b>                    |                                   |        |        |        |        |        |
|------------------------------------|-----------------------------------|--------|--------|--------|--------|--------|
| MPI                                |                                   |        | •      | •      | •      | •      |
| Good Sleep II                      |                                   |        | •      | •      | •      | •      |
| Silver Coated Health System        | Silver Coated Filter              |        | •      | •      | •      | •      |
|                                    | Silver Coated Evaporator          |        | •      | •      | •      | •      |
| Anti Virus Filter                  |                                   |        | •      | •      | •      | •      |
| Pure & Clean Air                   | DNA Filter                        |        | -      | -      | -      | -      |
|                                    | Pure Filter (HAF Filter)          |        | -      | -      | -      | -      |
|                                    | Catechin Filter                   |        | •      | •      | •      | •      |
|                                    | Deodorizing Filter                |        | •      | •      | •      | •      |
| Operating Mode                     | Digital i Plus                    |        | -      | -      | -      | -      |
|                                    | Dehumidification                  |        | •      | •      | •      | •      |
|                                    | Turbo Mode                        |        | •      | •      | •      | •      |
|                                    | Timer                             |        | •      | •      | •      | •      |
|                                    | Energy Saving Mode                |        | •      | •      | •      | •      |
|                                    | Auto Restart                      |        | •      | •      | •      | •      |
|                                    | Auto Changeover                   |        | -      | -      | -      | -      |
|                                    | Auto Wind                         |        | -      | -      | -      | -      |
|                                    | Air Flow Control Steps (Cool/Fan) |        | •      | •      | •      | •      |
|                                    | Air Direction Control (Up/Down)   |        | 4/3    | 4/3    | 4/3    | 4/3    |
| Air Direction Control (Left/Right) |                                   | AUTO   | AUTO   | AUTO   | AUTO   |        |
| Auto Grille                        |                                   | MANUAL | MANUAL | MANUAL | MANUAL |        |
| Remote Controller                  |                                   | •      | •      | •      | •      |        |
| Auto Clean (self cleaning)         |                                   | •      | •      | •      | •      |        |
| Etc.                               | Compressor Type                   |        | ROTARY | ROTARY | ROTARY | ROTARY |
| Low Ambient                        | Cooling                           | °C     | 16~46  | 16~46  | 16~46  | 16~46  |
|                                    | Heating                           | °C     | -      | -      | -      | -      |

| MODEL NO.             |                 |                     | AQ09E(WAN)    | AQ12E(WAN)  | AQ09E(B)ANSER | AQ12E(B)ANSER | AQ18E(B)ANSER | AQ24E(B)ANSER | AQ09E*A*      | AQ12E*A*      |
|-----------------------|-----------------|---------------------|---------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|
| AREA                  | Europe          |                     |               |             | CIS           |               |               |               | MEA           |               |
| Refrigerant Type      |                 |                     | HP<br>R410A   | HP<br>R410A | HP<br>R22     | HP<br>R22     | HP<br>R22     | HP<br>R22     | H/P<br>R22    | H/P<br>R22    |
| <b>Performance</b>    |                 |                     |               |             |               |               |               |               |               |               |
| Capacity              | Cooling         | Btu/hr. std         | 9,384         | 11,944      | 9,500         | 12,000        | 18,000        | 23,200        | 9,500         | 12,000        |
|                       |                 | min-max             | 2,365         | 3,010       | 2,394         | 3,024         | 4,536         | 5,847         | 2,394         | 3,024         |
|                       | Cal/hr. std     |                     | 2,365         | 3,010       | 2,394         | 3,024         | 4,536         | 5,847         | 2,394         | 3,024         |
|                       |                 | min-max             | 1,634 ~ 7,094 | 852 ~ 3,440 | 1,118 ~ 5,504 | 1,634 ~ 7,094 | 1,634 ~ 7,094 | 1,634 ~ 7,094 | 1,634 ~ 7,094 | 1,634 ~ 7,094 |
| Heating               | Btu/hr. std     |                     | 2.75          | 3.50        | 2.78          | 3.52          | 5.27          | 6.80          | 2.78          | 3.52          |
|                       |                 | min-max             | 1.9 ~ 8.25    | 0.99 ~ 4    | 1.3 ~ 6.4     | 1.9 ~ 8.25    | 1.9 ~ 8.25    | 1.9 ~ 8.25    | 1.9 ~ 8.25    | 1.9 ~ 8.25    |
|                       | Cal/hr. std     |                     | 9,896         | 12,968      | 10,000        | 13,000        | 19,500        | 24,500        | 10,000        | 13,000        |
|                       |                 | min-max             | 2,494         | 3,268       | 2,520         | 3,276         | 4,914         | 6,174         | 2,520         | 3,276         |
| Energy Efficiency     | Cooling         | EER(Btu/W)          | 2.90          | 3.80        | 2.93          | 3.81          | 5.71          | 7.18          | 2.93          | 3.81          |
|                       |                 | EER(W/W)            | 11.3          | 11.7        | 9.5           | 9.5           | 9.5           | 9.3           | 9.5           | 9.2           |
|                       | Heating         | COP(W/W)            | 3.31          | 3.41        | 2.78          | 2.79          | 2.78          | 2.72          | 2.78          | 2.71          |
|                       |                 | Moisture Removal    | l/hr.         | 3.82        | 3.62          | 3.26          | 3.28          | 3.01          | 2.71          | 3.26          |
| Air Circulation (Max) |                 | m <sup>3</sup> /min | 1.0           | 1.5         | 1.0           | 1.5           | 1.8           | 2.4           | 1.0           | 1.5           |
| Noise Level           | Indoor High/Low | dB                  | 9             | 11          | 7.5           | 9.5           | 13.0          | 17.0          | 7.5           | 9.5           |
|                       | Outdoor High    | dB                  | 40/33         | 41/34       | 40/30         | 41/30         | 45/30         | 48/33         | 40/30         | 41/30         |

| <b>Electrical Data</b> |         |        |              |              |              |              |              |              |              |              |
|------------------------|---------|--------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Power Source           |         | V/Hz/ø | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 |
| Power Consumption      | Cooling | W      | 830          | 1025         | 1000         | 1260         | 1900         | 2500         | 1,000        | 1300         |
|                        | Heating | W      | 760          | 1050         | 900          | 1160         | 1900         | 2650         | 900          | 1160         |
| Operating Current      | Cooling | A      | 3.9          | 5.2          | 4.6          | 5.8          | 9.0          | 12.0         | 4.6          | 6.1          |
|                        | Heating | A      | 3.6          | 5.1          | 4.2          | 5.3          | 9.0          | 12.5         | 4.2          | 6            |

| <b>Dimension &amp; Loading Q'ty</b> |          |               |             |             |             |             |             |              |             |             |
|-------------------------------------|----------|---------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| Net Dimension (WxHxD)               | Indoor   | mm            | 820x285x190 | 890x285x190 | 820x285x190 | 820x285x190 | 890x285x189 | 1065x298x218 | 820x285x190 | 820x285x190 |
|                                     | Outdoor  | mm            | 720x548x265 | 720x548x265 | 660x475x242 | 660x475x242 | 790x285x548 | 880x638x310  | 660x475x242 | 660x475x242 |
| Net Weight                          | Indoor   | kg            | 8.3         | 8.7         | 7.6         | 8.7         | 9.9         | 13           | 7.6         | 8.7         |
|                                     | Outdoor  | kg            | 28.7        | 31.0        | 23          | 25          | 39          | 56           | 24          | 27          |
| Shipping Weight                     | Indoor   | kg            | 10.8        | 11.7        | 10.1        | 10.6        | 12.1        | 16           | 10.1        | 10.6        |
|                                     | Outdoor  | kg            | 31.8        | 34.3        | 25.8        | 29          | 43          | 58           | 25.8        | 30          |
| Loading Q'ty                        | W Pipe   | 20/40ft/Jumbo | 96/205/233  | 96/205/233  | 123/252/280 | 123/252/280 | 89/190/216  | 61/128/150   | 123/252/280 | 96/200/224  |
|                                     | W/O Pipe | 20/40ft/Jumbo | 106/231/259 | 106/231/259 | 130/270/302 | 130/270/302 | 96/204/229  | 66/138/153   | 130/270/302 | 103/216/246 |

| <b>Technical Information</b> |        |      |        |      |             |             |             |             |             |             |
|------------------------------|--------|------|--------|------|-------------|-------------|-------------|-------------|-------------|-------------|
| SVC Valve                    | Liquid | ODxL | ø 6.35 | 6.35 | ø 6.35mmx5m | ø 6.35mmx5m | ø 6.35mmx5m | ø 6.35mmx5m | ø 6.35mmx5m | ø 6.35mmx5m |
|                              | Gas    | ODxL | 9.52   | 12.7 | ø 9.52mmx5m | ø 12.7mmx5m | ø 12.7mmx5m | ø 15.8mmx5m | ø 9.52mmx5m | ø 12.7mmx5m |
| Piping Length                | STD    | mm   | 5      | 5    | 5           | 5           | 5           | 5           | 5           | 5           |
|                              | Max    | mm   | 15     | 15   | 15          | 15          | 15          | 20          | 15          | 15          |
| Piping Height                | Max    | mm   | 7      | 7    | 7           | 7           | 8           | 8           | 7           | 7           |

| <b>Features</b>                    |                                   |        |        |        |        |        |        |        |        |        |
|------------------------------------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MPI                                |                                   |        | •      | •      | •      | •      | •      | •      | •      | •      |
| Good Sleep II                      |                                   |        | •      | •      | •      | •      | •      | •      | •      | •      |
| Silver Coated Health System        | Silver Coated Filter              |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Silver Coated Evaporator          |        | •      | •      | •      | •      | •      | •      | •      | •      |
| Anti Virus Filter                  |                                   |        | •      | •      | •      | •      | •      | •      | •      | •      |
| Pure & Clean Air                   | DNA Filter                        |        | -      | -      | -      | -      | -      | -      | -      | -      |
|                                    | Pure Filter (HAF Filter)          |        | -      | -      | -      | -      | -      | -      | -      | -      |
|                                    | Catechin Filter                   |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Deodorizing Filter                |        | •      | •      | •      | •      | •      | •      | •      | •      |
| Operating Mode                     | Digital i Plus                    |        | -      | -      | -      | -      | -      | -      | -      | -      |
|                                    | Dehumidification                  |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Turbo Mode                        |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Timer                             |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Energy Saving Mode                |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Auto Restart                      |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Auto Changeover                   |        | -      | -      | -      | -      | -      | -      | -      | -      |
|                                    | Auto Wind                         |        | -      | -      | -      | -      | -      | -      | -      | -      |
|                                    | Air Flow Control Steps (Cool/Fan) |        | •      | •      | •      | •      | •      | •      | •      | •      |
|                                    | Air Direction Control (Up/Down)   |        | 4/3    | 4/3    | 4/3    | 4/3    | 4/3    | 4/3    | 4/3    | 4/3    |
| Air Direction Control (Left/Right) |                                   | AUTO   | AUTO   | AUTO   | AUTO   | AUTO   | AUTO   | AUTO   | AUTO   |        |
| Auto Grille                        |                                   | MANUAL | MANUAL | MANUAL | MANUAL | MANUAL | MANUAL | MANUAL | MANUAL |        |
| Remote Controller                  |                                   | •      | •      | •      | •      | •      | •      | •      | •      |        |
| Auto Clean (self cleaning)         |                                   | •      | •      | •      | •      | •      | •      | •      | •      |        |
| Etc.                               | Compressor Type                   |        | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY |
| Low Ambient                        | Cooling                           | °C     | 15~43  | 15~43  | 15~43  | 15~43  | 15~43  | 15~43  | 15~43  | 15~43  |
|                                    | Heating                           | °C     | -5~24  | -5~24  | -5~24  | -5~24  | -5~24  | -5~24  | -5~24  | -5~24  |









| MODEL NO.                           | AS07ESLNXE                         |               | AS09ESMNXE    |               | AS12ESMNXE    |  |
|-------------------------------------|------------------------------------|---------------|---------------|---------------|---------------|--|
| AREA                                | SouthEast Asia                     |               |               |               |               |  |
| Refrigerant Type                    | CO                                 |               | CO            |               | CO            |  |
| Performance                         | R22                                |               | R22           |               | R22           |  |
| Capacity                            | Cooling                            | Btu/hr. std   | 7,000         | 8,900         | 12,000        |  |
|                                     |                                    | min-max       |               |               |               |  |
|                                     |                                    | std           | 1,764         | 2,268         | 3,024         |  |
|                                     | Heating                            | min-max       |               |               |               |  |
|                                     |                                    | std           | 2.05          | 2.64          | 3.52          |  |
|                                     |                                    | min-max       |               |               |               |  |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)    | 13.21         | 13.28         | 12.37         |  |
|                                     |                                    | EER(W/W)      | 3.87          | 3.89          | 3.62          |  |
|                                     |                                    | COP(W/W)      | -             | -             | -             |  |
|                                     | Heating                            | Btu/hr. std   | -             | -             | -             |  |
|                                     |                                    | min-max       |               |               |               |  |
|                                     |                                    | std           | -             | -             | -             |  |
| Moisture Removal                    | l/hr.                              | 0.8           | 1.0           | 1.5           |               |  |
|                                     | l/hr.                              | 6             | 8.0           | 11.0          |               |  |
| Air Circulation (Max)               | m <sup>3</sup> /min                | 34/26         | 36/26         | 37/26         |               |  |
|                                     | Indoor High/Low                    | 45            | 49            | 49            |               |  |
| Noise Level                         | Indoor High/Low                    |               |               |               |               |  |
|                                     | Outdoor High                       |               |               |               |               |  |
| <b>Electrical Data</b>              |                                    |               |               |               |               |  |
| Power Source                        |                                    | V/Hz/ø        | 200-220/50/1  | 200-220/50/1  | 200-220/50/1  |  |
| Power Consumption                   | Cooling                            | W             | 530           | 670           | 970           |  |
|                                     | Heating                            | W             | -             | -             | -             |  |
| Operating Current                   | Cooling                            | A             | 2.8           | 3.7           | 5.2           |  |
|                                     | Heating                            | A             | -             | -             | -             |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |               |               |               |               |  |
| Net Dimension (WxHxD)               | Indoor                             | mm            | 820x285x190   | 820x285x190   | 890x285x190   |  |
|                                     | Outdoor                            | mm            | 660x470x240   | 660x470x240   | 660x470x240   |  |
| Net Weight                          | Indoor                             | kg            | 8.2           | 8.2           | 9.2           |  |
|                                     | Outdoor                            | kg            | 22.5          | 22.5          | 25.1          |  |
| Shipping Weight                     | Indoor                             | kg            | 9.6           | 9.6           | 11.2          |  |
|                                     | Outdoor                            | kg            | 24.5          | 24.5          | 27.1          |  |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo | -             | -             | -             |  |
|                                     | W/O Pipe                           | 20/40ft/Jumbo | 123/253/285   | 123/253/285   | 129/165/299   |  |
| <b>Technical Information</b>        |                                    |               |               |               |               |  |
| SVC Valve                           | Liquid                             | ODxL          | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5.0m |  |
|                                     | Gas                                | ODxL          | ø 9.52mmx5.0m | ø 9.52mmx5.0m | ø 12.7mmx5.0m |  |
| Piping Length                       | STD                                | mm            | 5             | 5             | 7.5           |  |
|                                     | Max                                | mm            | 15            | 15            | 15            |  |
| Piping Height                       | Max                                | mm            | 7             | 7             | 7             |  |
| <b>Features</b>                     |                                    |               |               |               |               |  |
| MPI                                 |                                    |               |               |               |               |  |
| Good Sleep II                       |                                    |               | •             | •             | •             |  |
| Silver Coated Health System         | Silver Coated Filter               |               | •             | •             | •             |  |
|                                     | Silver Coated Evaporator           |               | •             | •             | •             |  |
| Anti Virus Filter                   |                                    |               | •             | •             | •             |  |
| Pure & Clean Air                    | DNA Filter                         |               | •             | •             | •             |  |
|                                     | Pure Filter (HAF Filter)           |               |               |               |               |  |
| Operating Mode                      | Catechin Filter                    |               | •             | •             | •             |  |
|                                     | Deodorizing Filter                 |               | •             | •             | •             |  |
|                                     | Digital i Plus                     |               |               |               |               |  |
| Convenience                         | Dehumidification                   |               | •             | •             | •             |  |
|                                     | Turbo Mode                         |               | •             | •             | •             |  |
|                                     | Timer                              |               | •             | •             | •             |  |
|                                     | Energy Saving Mode                 |               | •             | •             | •             |  |
|                                     | Auto Restart                       |               | •             | •             | •             |  |
|                                     | Auto Changeover                    |               |               |               |               |  |
| Etc.                                | Auto Wind                          |               |               |               |               |  |
|                                     | Air Flow Control Steps (Cool/Fan)  |               | •             | •             | •             |  |
|                                     | Air Direction Control (Up/Down)    |               | 4/3           | 4/3           | 4/3           |  |
|                                     | Air Direction Control (Left/Right) |               | AUTO          | AUTO          | AUTO          |  |
|                                     | Auto Grille                        |               | MANUAL        | MANUAL        | MANUAL        |  |
|                                     | Remote Controller                  |               | •             | •             | •             |  |
| Low Ambient                         | Auto Clean (self cleaning)         |               | •             | •             | •             |  |
|                                     | Compressor Type                    |               | ROTARY        | ROTARY        | ROTARY        |  |
| High Ambient                        | Cooling                            | °C            | 15-43         | 15-43         | 15-43         |  |
|                                     | Heating                            | °C            | -             | -             | -             |  |

| MODEL NO.                           | AS09EUMNXEA                        |               | AS12EUMNXEA   |               | AS18EUMNXEA   |               | AS24EUMNXEA  |  |
|-------------------------------------|------------------------------------|---------------|---------------|---------------|---------------|---------------|--------------|--|
| AREA                                | SouthEast Asia                     |               |               |               |               |               |              |  |
| Refrigerant Type                    | CO                                 |               | CO            |               | CO            |               | CO           |  |
| Performance                         | R22                                |               | R22           |               | R22           |               | R22          |  |
| Capacity                            | Cooling                            | Btu/hr. std   | 9,000         | 12,000        | 18,000        | 24,000        |              |  |
|                                     |                                    | min-max       |               |               |               |               |              |  |
|                                     |                                    | std           | 2,268         | 3,024         | 4,536         | 6,048         |              |  |
|                                     | Heating                            | min-max       |               |               |               |               |              |  |
|                                     |                                    | std           | 2.64          | 3.52          | 5.27          | 7.08          |              |  |
|                                     |                                    | min-max       |               |               |               |               |              |  |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)    | 10.84         | 10.43         | 9.38          | 10.21         |              |  |
|                                     |                                    | EER(W/W)      | 3.18          | 3.06          | 2.75          | 2.99          |              |  |
|                                     |                                    | COP(W/W)      | -             | -             | -             | -             |              |  |
|                                     | Heating                            | Btu/hr. std   | -             | -             | -             | -             |              |  |
|                                     |                                    | min-max       |               |               |               |               |              |  |
|                                     |                                    | std           | -             | -             | -             | -             |              |  |
| Moisture Removal                    | l/hr.                              | 1.0           | 1.5           | 2.0           | 2.5           |               |              |  |
|                                     | l/hr.                              | 8.0           | 10.0          | 14.0          | 15.0          |               |              |  |
| Air Circulation (Max)               | m <sup>3</sup> /min                | 36/26         | 37/26         | 42/32         | 44/35         |               |              |  |
|                                     | Indoor High/Low                    | 49            | 49            | 53            | 56            |               |              |  |
| Noise Level                         | Indoor High/Low                    |               |               |               |               |               |              |  |
|                                     | Outdoor High                       |               |               |               |               |               |              |  |
| <b>Electrical Data</b>              |                                    |               |               |               |               |               |              |  |
| Power Source                        |                                    | V/Hz/ø        | 220-240/50/1  | 220-240/50/1  | 220-240/50/1  | 220-240/50/1  | 220-240/50/1 |  |
| Power Consumption                   | Cooling                            | W             | 830           | 1,150         | 1,920         | 2,350         |              |  |
|                                     | Heating                            | W             | -             | -             | -             | -             |              |  |
| Operating Current                   | Cooling                            | A             | 4.0           | 5.4           | 9.0           | 10.7          |              |  |
|                                     | Heating                            | A             | -             | -             | -             | -             |              |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |               |               |               |               |               |              |  |
| Net Dimension (WxHxD)               | Indoor                             | mm            | 820x285x190   | 820x285x190   | 890x285x190   | 1065x296x222  |              |  |
|                                     | Outdoor                            | mm            | 660x470x240   | 660x470x240   | 720x548x265   | 790x548x285   |              |  |
| Net Weight                          | Indoor                             | kg            | 8.2           | 8.9           | 9.2           | 13            |              |  |
|                                     | Outdoor                            | kg            | 21.7          | 24.9          | 36            | 43            |              |  |
| Shipping Weight                     | Indoor                             | kg            | 9.6           | 10.3          | 11.2          | 16            |              |  |
|                                     | Outdoor                            | kg            | 23.7          | 26.9          | 38            | 45            |              |  |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo | -             | -             | -             | -             |              |  |
|                                     | W/O Pipe                           | 20/40ft/Jumbo | 123/253/285   | 123/253/285   | 92/190/211    | 73/153/176    |              |  |
| <b>Technical Information</b>        |                                    |               |               |               |               |               |              |  |
| SVC Valve                           | Liquid                             | ODxL          | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5.0m |              |  |
|                                     | Gas                                | ODxL          | ø 9.52mmx5.0m | ø 12.7mmx5.0m | ø 12.7mmx5.0m | ø 15.9mmx5.0m |              |  |
| Piping Length                       | STD                                | mm            | 5             | 5             | 5             | 5             |              |  |
|                                     | Max                                | mm            | 15            | 15            | 15            | 20            |              |  |
| Piping Height                       | Max                                | mm            | 7             | 7             | 8             | 8             |              |  |
| <b>Features</b>                     |                                    |               |               |               |               |               |              |  |
| MPI                                 |                                    |               |               |               |               |               |              |  |
| Good Sleep II                       |                                    |               | •             | •             | •             | •             |              |  |
| Silver Coated Health System         | Silver Coated Filter               |               | •             | •             | •             | •             |              |  |
|                                     | Silver Coated Evaporator           |               | •             | •             | •             | •             |              |  |
| Anti Virus Filter                   |                                    |               | •             | •             | •             | •             |              |  |
| Pure & Clean Air                    | DNA Filter                         |               | •             | •             | •             | •             |              |  |
|                                     | Pure Filter (HAF Filter)           |               |               |               |               |               |              |  |
| Operating Mode                      | Catechin Filter                    |               | •             | •             | •             | •             |              |  |
|                                     | Deodorizing Filter                 |               | •             | •             | •             | •             |              |  |
|                                     | Digital i Plus                     |               |               |               |               |               |              |  |
| Convenience                         | Dehumidification                   |               | •             | •             | •             | •             |              |  |
|                                     | Turbo Mode                         |               | •             | •             | •             | •             |              |  |
|                                     | Timer                              |               | •             | •             | •             | •             |              |  |
|                                     | Energy Saving Mode                 |               | •             | •             | •             | •             |              |  |
|                                     | Auto Restart                       |               | •             | •             | •             | •             |              |  |
|                                     | Auto Changeover                    |               |               |               |               |               |              |  |
| Etc.                                | Auto Wind                          |               |               |               |               |               |              |  |
|                                     | Air Flow Control Steps (Cool/Fan)  |               | •             | •             | •             | •             |              |  |
|                                     | Air Direction Control (Up/Down)    |               | 4/3           | 4/3           | 4/3           | 4/3           |              |  |
|                                     | Air Direction Control (Left/Right) |               | AUTO          | AUTO          | AUTO          | AUTO          |              |  |
|                                     | Auto Grille                        |               | MANUAL        | MANUAL        | MANUAL        | MANUAL        |              |  |
|                                     | Remote Controller                  |               | •             | •             | •             | •             |              |  |
| Low Ambient                         | Auto Clean (self cleaning)         |               | •             | •             | •             | •             |              |  |
|                                     | Compressor Type                    |               | ROTARY        | ROTARY        | ROTARY        | ROTARY        |              |  |
| High Ambient                        | Cooling                            | °C            | 15-43         | 15-43         | 15-43         | 15-43         |              |  |
|                                     | Heating                            | °C            | -             | -             | -             | -             |              |  |





| MODEL NO.                           | AQV09UGAN                          |                      | AQV12UGAN           |              | AQV18UGAN           |              | AQV24UGAN           |               |
|-------------------------------------|------------------------------------|----------------------|---------------------|--------------|---------------------|--------------|---------------------|---------------|
| AREA                                | Europe                             |                      |                     |              |                     |              |                     |               |
| Refrigerant Type                    | S-Inverter<br>R410A                |                      | S-Inverter<br>R410A |              | S-Inverter<br>R410A |              | S-Inverter<br>R410A |               |
| <b>Performance</b>                  |                                    |                      |                     |              |                     |              |                     |               |
| Capacity                            | Cooling                            | Btu/hr. std          | 8,630               | 11,260       | 17,061              | 23,203       |                     |               |
|                                     |                                    | min-max              | 3,378-10,919        | 3,753-12,966 | 5,459-20,473        | 7,507-27,297 |                     |               |
|                                     |                                    | std                  | 2,150               | 2,837        | 4,299               | 5,847        |                     |               |
|                                     | Heating                            | min-max              | 851-2,752           | 946-3,267    | 1,376-5,159         | 1,892-6,879  |                     |               |
|                                     |                                    | std                  | 2.5                 | 3.3          | 5.0                 | 6.8          |                     |               |
|                                     |                                    | min-max              | 0.99-3.2            | 1.1-3.8      | 1.6-6.0             | 2.2-8.0      |                     |               |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)           | 11.6                | 11.0         | 11.6                | 10.3         |                     |               |
|                                     |                                    | EER(W/W)             | 3.40                | 3.21         | 3.40                | 3.01         |                     |               |
|                                     |                                    | COP(W/W)             | 3.63                | 3.61         | 3.61                | 2.81         |                     |               |
|                                     | Heating                            | std                  | 11,260              | 13,649       | 20,473              | 27,297       |                     |               |
|                                     |                                    | min-max              | 4,095-14,331        | 4,777-16,037 | 4,095-25,591        | 6,483-32,415 |                     |               |
|                                     |                                    | std                  | 2,837               | 3,439        | 5,159               | 6,879        |                     |               |
| Moisture Removal                    | Cooling                            | l/hr.                | 1.0                 | 1.4          | 2.5                 | 3.0          |                     |               |
|                                     |                                    | min-max              | 1,032-3,611         | 1,204-4,041  | 1,032-6,449         | 1,634-8,169  |                     |               |
|                                     |                                    | std                  | 3.3                 | 4.0          | 6.0                 | 8.0          |                     |               |
|                                     | Heating                            | min-max              | 1.2-4.2             | 1.4-4.7      | 1.2-7.5             | 1.9-9.5      |                     |               |
|                                     |                                    | std                  | 3.40                | 3.21         | 3.40                | 3.01         |                     |               |
|                                     |                                    | COP(W/W)             | 3.63                | 3.61         | 3.61                | 2.81         |                     |               |
| Air Circulation (Max)               | l/hr.                              | 8.0                  | 9.0                 | 13.0         | 15.0                |              |                     |               |
|                                     | m <sup>3</sup> /min                | 8.0                  | 9.0                 | 13.0         | 15.0                |              |                     |               |
| Noise Level                         | Indoor High/Low                    | 32/23                |                     | 36/23        |                     | 40/30        |                     | 41/30         |
|                                     | Outdoor High                       | 45                   |                     | 47           |                     | 53           |                     | 55            |
| <b>Electrical Data</b>              |                                    |                      |                     |              |                     |              |                     |               |
| Power Source                        | V/Hz/ø                             |                      | 220-240/50/1        |              | 220-240/50/1        |              | 220-240/50/1        |               |
| Power Consumption                   | Cooling                            | W                    |                     | 735          |                     | 1028         |                     | 1470          |
|                                     | Heating                            | W                    |                     | 910          |                     | 1108         |                     | 2660          |
| Operating Current                   | Cooling                            | A                    |                     | 3.5          |                     | 4.9          |                     | 6.8           |
|                                     | Heating                            | A                    |                     | 4.4          |                     | 5.2          |                     | 7.7           |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                      |                     |              |                     |              |                     |               |
| Net Dimension (WxHxD)               | Indoor                             | mm                   |                     | 820x285x190  |                     | 820x285x190  |                     | 1065x298x222  |
|                                     | Outdoor                            | mm                   |                     | 720x548x265  |                     | 720x548x265  |                     | 880x638x310   |
| Net Weight                          | Indoor                             | kg                   |                     | 8.2          |                     | 13           |                     | 13            |
|                                     | Outdoor                            | kg                   |                     | 31.5         |                     | 31.5         |                     | 47            |
| Shipping Weight                     | Indoor                             | kg                   |                     | 10           |                     | 16           |                     | 16            |
|                                     | Outdoor                            | kg                   |                     | 33.0         |                     | 33.0         |                     | 53            |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo        |                     | 96/200/224   |                     | 96/200/224   |                     | 61/130/150    |
|                                     | W/O Pipe                           | 20/40ft/Jumbo        |                     | 103/216/246  |                     | 103/216/246  |                     | 66/138/152    |
| <b>Technical Information</b>        |                                    |                      |                     |              |                     |              |                     |               |
| SVC Valve                           | Liquid                             | ODxL                 |                     | ø 6.35mmx5m  |                     | ø 6.35mmx5m  |                     | ø 6.35mmx7.5m |
|                                     | Gas                                | ODxL                 |                     | ø 9.52mmx5m  |                     | ø 9.52mmx5m  |                     | ø 12.7mmx7.5m |
| Piping Length                       | STD                                | mm                   |                     | 5            |                     | 5            |                     | 7.5           |
|                                     | Max                                | mm                   |                     | 15           |                     | 15           |                     | 30            |
| Piping Height                       | Max                                | mm                   |                     | 8            |                     | 8            |                     | 15            |
|                                     | Max                                | mm                   |                     | 8            |                     | 8            |                     | 15            |
| <b>Features</b>                     |                                    |                      |                     |              |                     |              |                     |               |
| MPI                                 | • • • •                            |                      |                     |              |                     |              |                     |               |
| Good Sleep II                       | • • • •                            |                      |                     |              |                     |              |                     |               |
|                                     | Silver Coated Health System        | Silver Coated Filter | • • • •             |              |                     |              |                     |               |
| Silver Coated Evaporator            |                                    | • • • •              |                     |              |                     |              |                     |               |
| Anti Virus Filter                   | • • • •                            |                      |                     |              |                     |              |                     |               |
| Pure & Clean Air                    | DNA Filter                         | • • • •              |                     |              |                     |              |                     |               |
|                                     | Pure Filter (HAF Filter)           | • • • •              |                     |              |                     |              |                     |               |
|                                     | Catechin Filter                    | • • • •              |                     |              |                     |              |                     |               |
|                                     | Deodorizing Filter                 | • • • •              |                     |              |                     |              |                     |               |
| Operating Mode                      | Digital i Plus                     | • • • •              |                     |              |                     |              |                     |               |
|                                     | Dehumidification                   | • • • •              |                     |              |                     |              |                     |               |
|                                     | Turbo Mode                         | • • • •              |                     |              |                     |              |                     |               |
|                                     | Timer                              | • • • •              |                     |              |                     |              |                     |               |
|                                     | Energy Saving Mode                 | • • • •              |                     |              |                     |              |                     |               |
|                                     | Auto Restart                       | • • • •              |                     |              |                     |              |                     |               |
|                                     | Auto Changeover                    | • • • •              |                     |              |                     |              |                     |               |
|                                     | Auto Wind                          | • • • •              |                     |              |                     |              |                     |               |
| Convenience                         | Air Flow Control Steps (Cool/Fan)  | • • • •              |                     |              |                     |              |                     |               |
|                                     | Air Direction Control (Up/Down)    | 4/3                  |                     | 4/3          |                     | 4/3          |                     | 4/3           |
|                                     | Air Direction Control (Left/Right) | AUTO                 |                     | AUTO         |                     | AUTO         |                     | AUTO          |
|                                     | Auto Grille                        | MANUAL               |                     | MANUAL       |                     | MANUAL       |                     | MANUAL        |
|                                     | Remote Controller                  | • • • •              |                     |              |                     |              |                     |               |
| Auto Clean (self cleaning)          | • • • •                            |                      |                     |              |                     |              |                     |               |
| Etc.                                | Compressor Type                    | ROTARY               |                     | ROTARY       |                     | TWIN         |                     | TWIN          |
| Low Ambient                         | Cooling                            | °C                   |                     | 10-43        |                     | 10-43        |                     | -10-43        |
|                                     | Heating                            | °C                   |                     | -10-24       |                     | -10-24       |                     | -15-24        |

| MODEL NO.                    | AQO9RGAN                           |                                 | AQO9UGBN                        |             | AQ12UGAN    |             | AQ12UGBN     |               | AQ18UGAN    |               | AQ24UGAN    |              | AQO9RGANEUR |              | AQ12UGANEUR |              |  |
|------------------------------|------------------------------------|---------------------------------|---------------------------------|-------------|-------------|-------------|--------------|---------------|-------------|---------------|-------------|--------------|-------------|--------------|-------------|--------------|--|
| AREA                         | Europe                             |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Refrigerant Type             | HP<br>R410A                        |                                 | HP<br>R410A                     |             | HP<br>R410A |             | HP<br>R410A  |               | HP<br>R410A |               | HP<br>R410A |              | HP<br>R22   |              | HP<br>R22   |              |  |
| <b>Performance</b>           |                                    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Capacity                     | Cooling                            | Btu/hr. std                     | 9,043                           | 9,384       | 11,944      | 11,944      | 17,745       | 23,205        | 9,000       | 12,000        |             |              |             |              |             |              |  |
|                              |                                    | min-max                         | 2,279                           | 2,365       | 3,010       | 3,010       | 4,472        | 5,848         | 2,268       | 3,024         |             |              |             |              |             |              |  |
|                              |                                    | std                             | 2.65                            | 2.75        | 3.50        | 3.50        | 5.20         | 6.80          | 2.64        | 3.52          |             |              |             |              |             |              |  |
|                              | Heating                            | min-max                         | 9,384                           | 9,896       | 12,968      | 12,968      | 19,793       | 23,888        | 9,500       | 13,000        |             |              |             |              |             |              |  |
|                              |                                    | std                             | 2,365                           | 2,494       | 3,268       | 3,268       | 4,988        | 6,020         | 2,394       | 3,276         |             |              |             |              |             |              |  |
|                              |                                    | min-max                         | 2.75                            | 2.90        | 3.80        | 3.80        | 5.80         | 7.00          | 2.78        | 3.81          |             |              |             |              |             |              |  |
| Energy Efficiency            | Cooling                            | EER(Btu/W)                      | 10.3                            | 11.0        | 9.6         | 11.0        | 9.6          | 9.6           | 9.0         | 9.5           |             |              |             |              |             |              |  |
|                              |                                    | EER(W/W)                        | 3.01                            | 3.22        | 2.82        | 3.21        | 2.81         | 2.81          | 2.65        | 2.79          |             |              |             |              |             |              |  |
|                              |                                    | COP(W/W)                        | 3.21                            | 3.61        | 3.22        | 3.61        | 3.22         | 2.81          | 2.99        | 3.28          |             |              |             |              |             |              |  |
|                              | Heating                            | std                             | 1.0                             | 1.0         | 1.5         | 1.5         | 1.8          | 2.4           | 1.0         | 1.5           |             |              |             |              |             |              |  |
|                              |                                    | min-max                         | 7.0                             | 7.5         | 9.5         | 9.5         | 13.0         | 17.0          | 7.0         | 9.5           |             |              |             |              |             |              |  |
|                              |                                    | std                             | 32/24                           | 32/24       | 36/26       | 36/26       | 45/30        | 48/33         | 32/24       | 35/26         |             |              |             |              |             |              |  |
| Moisture Removal             | Cooling                            | l/hr.                           | 46                              | 46          | 47          | 47          | 58           | 61            | 46          | 50            |             |              |             |              |             |              |  |
|                              |                                    | min-max                         | 880                             | 855         | 1240        | 1090        | 1850         | 2420          | 995         | 1260          |             |              |             |              |             |              |  |
|                              |                                    | std                             | 857                             | 803         | 1180        | 1053        | 1800         | 2490          | 930         | 1160          |             |              |             |              |             |              |  |
|                              | Heating                            | min-max                         | 4.2                             | 4.1         | 5.4         | 5.4         | 8.3          | 10.8          | 4.6         | 5.8           |             |              |             |              |             |              |  |
|                              |                                    | std                             | 3.9                             | 3.7         | 5.1         | 5.1         | 8.1          | 11.2          | 4.2         | 5.3           |             |              |             |              |             |              |  |
|                              |                                    | min-max                         | 728x255x185                     | 820x285x190 | 820x285x190 | 820x285x190 | 1065x298x222 | 1065x298x222  | 728x255x185 | 825x285x189   |             |              |             |              |             |              |  |
| Net Dimension (WxHxD)        | Outdoor                            | mm                              |                                 | 660x475x242 |             | 660x475x242 |              | 720x548x265   |             | 720x548x265   |             | 790x548x285  |             | 880x638x310  |             | 660x475x242  |  |
|                              | Net Weight                         | Indoor                          | kg                              |             | 6.8         |             | 8.7          |               | 8.7         |               | 13          |              | 13          |              | 6.8         |              |  |
| Shipping Weight              | Indoor                             | kg                              |                                 | 26          |             | 37          |              | 37            |             | 39            |             | 56           |             | 26           |             | 26           |  |
|                              | Outdoor                            | kg                              |                                 | 8.3         |             | 10.1        |              | 10.1          |             | 16            |             | 16           |             | 8.3          |             | 10.6         |  |
| Loading Q'ty                 | W Pipe                             | 20/40ft/Jumbo                   |                                 | 128/276/304 |             | 120/248/280 |              | 96/205/233    |             | 96/205/233    |             | 82/170/185   |             | 61/128/150   |             | 128/276/304  |  |
|                              | W/O Pipe                           | 20/40ft/Jumbo                   |                                 | 142/299/336 |             | 128/264/305 |              | 106/231/259   |             | 106/231/259   |             | 82/170/197   |             | 66/138/153   |             | 142/299/336  |  |
| <b>Technical Information</b> |                                    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| SVC Valve                    | Liquid                             | ODxL                            |                                 | ø 6.35mmx5m |             | ø 6.35mmx5m |              | ø 6.35mmx7.5m |             | ø 6.35mmx5m   |             | ø 6.35mmx5m  |             | ø 6.35mmx5m  |             | ø 6.35mmx5m  |  |
|                              | Gas                                | ODxL                            |                                 | ø 9.52mmx5m |             | ø 9.52mmx5m |              | ø 12.7mmx7.5m |             | ø 12.7mmx7.5m |             | ø 15.88mmx5m |             | ø 15.88mmx5m |             | ø 15.88mmx5m |  |
| Piping Length                | STD                                | mm                              |                                 | 5           |             | 5           |              | 7.5           |             | 7.5           |             | 5            |             | 5            |             | 5            |  |
|                              | Max                                | mm                              |                                 | 15          |             | 15          |              | 30            |             | 30            |             | 15           |             | 20           |             | 15           |  |
| Piping Height                | Max                                | mm                              |                                 | 8           |             | 8           |              | 15            |             | 15            |             | 8            |             | 8            |             | 7            |  |
|                              | Max                                | mm                              |                                 | 8           |             | 8           |              | 15            |             | 15            |             | 8            |             | 8            |             | 7            |  |
| <b>Features</b>              |                                    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| MPI                          | • • • • • • • • • • • • • • • •    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Good Sleep II                | • • • • • • • • • • • • • • • •    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Silver Coated Health System        | Silver Coated Filter            | • • • • • • • • • • • • • • • • |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Silver Coated Evaporator     |                                    | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Anti Virus Filter            | • • • • • • • • • • • • • • • •    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Pure & Clean Air             | DNA Filter                         | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Pure Filter (HAF Filter)           | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Catechin Filter                    | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Deodorizing Filter                 | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Operating Mode               | Digital i Plus                     | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Dehumidification                   | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Turbo Mode                         | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Timer                              | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Energy Saving Mode                 | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Auto Restart                       | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Auto Changeover                    | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Auto Wind                          | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Convenience                  | Air Flow Control Steps (Cool/Fan)  | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
|                              | Air Direction Control (Up/Down)    | 4/3                             |                                 | 4/3         |             | 4/3         |              | 4/3           |             | 4/3           |             | 4/3          |             | 4/3          |             | 4/3          |  |
|                              | Air Direction Control (Left/Right) | AUTO                            |                                 | AUTO        |             | AUTO        |              | AUTO          |             | AUTO          |             | AUTO         |             | AUTO         |             | AUTO         |  |
|                              | Auto Grille                        | MANUAL                          |                                 | MANUAL      |             | MANUAL      |              | MANUAL        |             | MANUAL        |             | MANUAL       |             | MANUAL       |             | MANUAL       |  |
|                              | Remote Controller                  | • • • • • • • • • • • • • • • • |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Auto Clean (self cleaning)   | • • • • • • • • • • • • • • • •    |                                 |                                 |             |             |             |              |               |             |               |             |              |             |              |             |              |  |
| Etc.                         | Compressor Type                    | ROTARY                          |                                 | ROTARY      |             | TWIN        |              | TWIN          |             | ROTARY        |             | ROTARY       |             | ROTARY       |             | ROTARY       |  |
| Low Ambient                  | Cooling                            | °C                              |                                 | 15-43       |             | 15-43       |              | 15-43         |             | 15-43         |             | 15-43        |             | 15-43        |             | 15-43        |  |
|                              | Heating                            | °C                              |                                 | -5-24       |             | -5-24       |              | -5-24         |             | -5-24         |             | -5-24        |             | -5-24        |             | -5-24        |  |



| MODEL NO.                           | AQ18UGANEUR                        |                          | AQ24UGANEUR  |              | AQ07R(C)MNSER |               | AQ09R(C)LNSE |  | AQ12U(C)ANSER |  |
|-------------------------------------|------------------------------------|--------------------------|--------------|--------------|---------------|---------------|--------------|--|---------------|--|
| AREA                                | Europe                             |                          |              |              | CIS           |               |              |  |               |  |
| Refrigerant Type                    | HP                                 |                          | HP           |              | HP            |               | HP           |  | HP            |  |
| Performance                         | R22                                |                          | R22          |              | R22           |               | R22          |  | R22           |  |
| Capacity                            | Cooling                            | Btu/hr. std              | 18,000       | 23,200       | 7,500         | 9,000         | 12,000       |  |               |  |
|                                     |                                    | min-max                  |              |              |               |               |              |  |               |  |
|                                     |                                    | std                      | 4,536        | 5,847        |               |               | 3,024        |  |               |  |
|                                     | Heating                            | min-max                  |              |              |               |               |              |  |               |  |
|                                     |                                    | std                      | 5.27         | 6.80         |               |               | 3.52         |  |               |  |
|                                     |                                    | min-max                  |              |              |               |               |              |  |               |  |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)               | 9.5          | 9.3          |               |               | 9.5          |  |               |  |
|                                     |                                    | EER(W/W)                 | 2.78         | 2.72         | 2.82          | 2.69          | 2.79         |  |               |  |
|                                     |                                    | COP(W/W)                 | 3.01         | 2.71         | 2.85          | 3.00          | 3.28         |  |               |  |
| Moisture Removal                    | Heating                            | l/hr.                    | 1.8          | 2.4          | 0.8           | 1.0           | 1.5          |  |               |  |
|                                     |                                    | min-max                  |              |              |               |               |              |  |               |  |
|                                     |                                    | std                      | 13.0         | 17.0         | 6.0           | 8.0           | 9.5          |  |               |  |
| Air Circulation (Max)               | Indoor High/Low                    | dB                       | 45/30        | 48/33        | 34/26         | 36/26         | 35/26        |  |               |  |
|                                     | Outdoor High                       | dB                       | 58           | 61           | 47            | 49            | 50           |  |               |  |
| <b>Electrical Data</b>              |                                    |                          |              |              |               |               |              |  |               |  |
| Power Source                        |                                    | V/Hz/ø                   | 220-240/50/1 | 220-240/50/1 | 220-240/50/1  | 220-240/50/1  | 220-240/50/1 |  |               |  |
| Power Consumption                   | Cooling                            | W                        | 1900         | 2500         | 680           | 980           | 1260         |  |               |  |
|                                     | Heating                            | W                        | 1900         | 2650         | 650           | 928           | 1160         |  |               |  |
| Operating Current                   | Cooling                            | A                        | 9.0          | 12.0         | 3.0           | 4.6           | 5.8          |  |               |  |
|                                     | Heating                            | A                        | 9.0          | 12.5         | 2.8           | 4.2           | 5.3          |  |               |  |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                          |              |              |               |               |              |  |               |  |
| Net Dimension (WxHxD)               | Indoor                             | mm                       | 890x285x189  | 1065x298x218 | 728x255x170   | 728x255x185   | 825x285x189  |  |               |  |
|                                     | Outdoor                            | mm                       | 790x285x548  | 880x338x310  | 660x470x240   | 660x470x240   | 660x470x242  |  |               |  |
| Net Weight                          | Indoor                             | kg                       | 9.9          | 13           | 6.5           | 6.8           | 8.4          |  |               |  |
|                                     | Outdoor                            | kg                       | 39           | 56           | 21.6          | 24.5          | 26           |  |               |  |
| Shipping Weight                     | Indoor                             | kg                       | 12.1         | 16           | 7.5           | 7.8           | 10.6         |  |               |  |
|                                     | Outdoor                            | kg                       | 43           | 58           | 23.6          | 26.5          | 30           |  |               |  |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo            | 89/190/216   | 61/128/150   | 134/281/315   | 134/281/315   | 116/240/273  |  |               |  |
|                                     | W/O Pipe                           | 20/40ft/Jumbo            | 96/204/229   | 66/138/153   | 152/314/348   | 152/314/348   | 136/280/303  |  |               |  |
| <b>Technical Information</b>        |                                    |                          |              |              |               |               |              |  |               |  |
| SVC Valve                           | Liquid                             | ODxL                     | 6.35         | 6.35         | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5m  |  |               |  |
|                                     | Gas                                | ODxL                     | 12.7         | 15.8         | ø 9.52mmx5.0m | ø 9.52mmx5.0m | ø 12.7mmx5m  |  |               |  |
| Piping Length                       | STD                                | mm                       | 5            | 5            | 5             | 5             | 5            |  |               |  |
|                                     | Max                                | mm                       | 15           | 20           | 15            | 15            | 15           |  |               |  |
| Piping Height                       | Max                                | mm                       | 8            | 8            | 7             | 7             | 7            |  |               |  |
|                                     |                                    |                          |              |              |               |               |              |  |               |  |
| <b>Features</b>                     |                                    |                          |              |              |               |               |              |  |               |  |
| MPI                                 |                                    |                          |              |              |               |               |              |  |               |  |
| Good Sleep II                       |                                    |                          | •            | •            | •             | •             | •            |  |               |  |
|                                     | Silver Coated Health System        | Silver Coated Filter     | •            | •            | •             | •             | •            |  |               |  |
|                                     |                                    | Silver Coated Evaporator | •            | •            | •             | •             | •            |  |               |  |
| Anti Virus Filter                   |                                    |                          |              |              |               |               |              |  |               |  |
|                                     | Pure & Clean Air                   | DNA Filter               |              |              |               |               |              |  |               |  |
|                                     |                                    | Pure Filter (HAF Filter) |              |              |               |               |              |  |               |  |
|                                     |                                    | Catechin Filter          |              |              |               |               |              |  |               |  |
| Operating Mode                      | Deodorizing Filter                 |                          |              |              |               |               |              |  |               |  |
|                                     | Digital i Plus                     |                          |              |              |               |               |              |  |               |  |
|                                     | Dehumidification                   | •                        | •            | •            | •             | •             |              |  |               |  |
|                                     | Turbo Mode                         | •                        | •            | •            | •             | •             |              |  |               |  |
|                                     | Timer                              | •                        | •            | •            | •             | •             |              |  |               |  |
|                                     | Energy Saving Mode                 | •                        | •            | •            | •             | •             |              |  |               |  |
|                                     | Auto Restart                       | •                        | •            | •            | •             | •             |              |  |               |  |
|                                     | Auto Changeover                    | •                        | •            | •            | •             | •             |              |  |               |  |
| Convenience                         | Auto Wind                          |                          |              |              |               |               |              |  |               |  |
|                                     | Air Flow Control Steps (Cool/Fan)  | •                        | •            | •            | •             | •             |              |  |               |  |
|                                     | Air Direction Control (Up/Down)    | 4/3                      | 4/3          | 4/3          | 4/3           | 4/3           |              |  |               |  |
|                                     | Air Direction Control (Left/Right) | AUTO                     | AUTO         | AUTO         | AUTO          | AUTO          |              |  |               |  |
|                                     | Auto Grille                        | MANUAL                   | MANUAL       | MANUAL       | MANUAL        | MANUAL        |              |  |               |  |
|                                     | Remote Controller                  | •                        | •            | •            | •             | •             |              |  |               |  |
| Auto Clean (self cleaning)          |                                    |                          |              |              |               |               |              |  |               |  |
| Etc.                                | Compressor Type                    |                          |              |              |               |               |              |  |               |  |
| Low Ambient                         | Cooling                            | °C                       | 15-43        | 15-43        | 15-43         | 15-43         | 15-43        |  |               |  |
|                                     | Heating                            | °C                       | -5-24        | -5-24        | -5-24         | -5-24         | -5-24        |  |               |  |

| MODEL NO.                           | AQ18U(C)ANSER                      |                          | AQ24U(C)ANSER |              | AQ09U*A*     |              | AQ12U*A*     |              | AQ18U*A*     |              | AQ24U*A*     |              | AS09U*A*     |              | AS12U*A*     |              |
|-------------------------------------|------------------------------------|--------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| AREA                                | CIS                                |                          |               |              | MEA          |              |              |              |              |              |              |              |              |              |              |              |
| Refrigerant Type                    | HP                                 |                          | HP            |              | HP           |              | HP           |              | HP           |              | HP           |              | CO           |              | CO           |              |
| Performance                         | R22                                |                          | R22           |              | R22          |              | R22          |              | R22          |              | R22          |              | R22          |              | R22          |              |
| Capacity                            | Cooling                            | Btu/hr. std              | 18,000        | 23,200       | 9,500        | 12,000       | 18,000       | 23,200       | 9,000        | 12,000       |              |              |              |              |              |              |
|                                     |                                    | min-max                  |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     |                                    | std                      | 4,536         | 5,847        | 2,394        | 3,024        | 4,536        | 5,847        | 2,268        | 3,024        |              |              |              |              |              |              |
|                                     | Heating                            | min-max                  |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     |                                    | std                      | 5.27          | 6.80         | 2.78         | 3.52         | 5.27         | 6.80         | 2.64         | 3.52         |              |              |              |              |              |              |
|                                     |                                    | min-max                  |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Energy Efficiency                   | Cooling                            | EER(Btu/W)               | 9.5           | 9.3          | 9.5          | 9.2          | 9.5          | 9.3          | 9.2          | 9.1          |              |              |              |              |              |              |
|                                     |                                    | EER(W/W)                 | 2.78          | 2.72         | 2.78         | 2.71         | 2.78         | 2.72         | 2.69         | 2.67         |              |              |              |              |              |              |
|                                     |                                    | COP(W/W)                 | 3.01          | 2.71         | 3.26         | 3.28         | 3.09         | 2.71         | -            | -            |              |              |              |              |              |              |
| Moisture Removal                    | Heating                            | l/hr.                    | 1.8           | 2.4          | 1.0          | 1.5          | 1.8          | 2.4          | 1.0          | 1.5          |              |              |              |              |              |              |
|                                     |                                    | min-max                  |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     |                                    | std                      | 13.0          | 17.0         | 7.5          | 9.5          | 13.0         | 17.0         | 7.5          | 9.5          |              |              |              |              |              |              |
| Air Circulation (Max)               | Indoor High/Low                    | dB                       | 45/30         | 48/33        | 40/30        | 41/30        | 45/30        | 48/33        | 42/30        | 44/30        |              |              |              |              |              |              |
|                                     | Outdoor High                       | dB                       | 58            | 61           | 55           | 57           | 58           | 61           | 55           | 57           |              |              |              |              |              |              |
| <b>Electrical Data</b>              |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Power Source                        |                                    | V/Hz/ø                   | 220-240/50/1  | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 |
| Power Consumption                   | Cooling                            | W                        | 1900          | 2500         | 1,000        | 1300         | 1,900        | 2500         | 980          | 1320         |              |              |              |              |              |              |
|                                     | Heating                            | W                        | 1900          | 2650         | 900          | 1160         | 1,900        | 2650         | -            | -            |              |              |              |              |              |              |
| Operating Current                   | Cooling                            | A                        | 9.0           | 12.0         | 4.6          | 6.1          | 9.0          | 12.0         | 4.6          | 6.1          |              |              |              |              |              |              |
|                                     | Heating                            | A                        | 9.0           | 12.5         | 4.2          | 5.5          | 9.0          | 12.5         | -            | -            |              |              |              |              |              |              |
| <b>Dimension &amp; Loading Q'ty</b> |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Net Dimension (WxHxD)               | Indoor                             | mm                       | 890x285x189   | 1065x298x218 | 820x285x190  | 820x285x190  | 1065x298x218 | 1065x298x218 | 820x285x190  | 820x285x190  |              |              |              |              |              |              |
|                                     | Outdoor                            | mm                       | 790x285x548   | 880x338x310  | 660x475x242  | 660x475x242  | 790x548x285  | 880x638x310  | 660x475x242  | 660x475x242  |              |              |              |              |              |              |
| Net Weight                          | Indoor                             | kg                       | 9.9           | 13           | 7.6          | 8.7          | 13           | 8.3          | 8.3          |              |              |              |              |              |              |              |
|                                     | Outdoor                            | kg                       | 39            | 56           | 24           | 27           | 39           | 56           | 24           | 27           |              |              |              |              |              |              |
| Shipping Weight                     | Indoor                             | kg                       | 12.1          | 16           | 10.1         | 10.6         | 16           | 16           | 10.2         | 10.6         |              |              |              |              |              |              |
|                                     | Outdoor                            | kg                       | 43            | 58           | 25.8         | 30           | 43           | 58           | 27           | 30           |              |              |              |              |              |              |
| Loading Q'ty                        | W Pipe                             | 20/40ft/Jumbo            | 89/190/216    | 61/128/150   | 123/252/280  | 96/200/224   | 82/170/185   | 61/128/150   | 123/252/280  | 96/200/224   |              |              |              |              |              |              |
|                                     | W/O Pipe                           | 20/40ft/Jumbo            | 96/204/229    | 66/138/153   | 130/270/302  | 103/216/246  | 82/170/197   | 66/138/153   | 130/270/302  | 103/216/246  |              |              |              |              |              |              |
| <b>Technical Information</b>        |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| SVC Valve                           | Liquid                             | ODxL                     | 6.35          | 6.35         | ø 6.35mmx5m  | ø 6.35mmx5m  | 6.35         | 6.35         | ø 6.35mmx5m  | ø 6.35mmx5m  |              |              |              |              |              |              |
|                                     | Gas                                | ODxL                     | 12.7          | 15.8         | ø 12.7mmx5m  | ø 15.8mmx5m  | 12.7         | 15.8         | ø 9.52mmx5m  | ø 12.7mmx5m  |              |              |              |              |              |              |
| Piping Length                       | STD                                | mm                       | 5             | 5            | 5            | 5            | 5            | 5            | 5            |              |              |              |              |              |              |              |
|                                     | Max                                | mm                       | 15            | 20           | 15           | 15           | 15           | 20           | 15           |              |              |              |              |              |              |              |
| Piping Height                       | Max                                | mm                       | 8             | 8            | 7            | 7            | 7            | 8            | 7            |              |              |              |              |              |              |              |
|                                     |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| <b>Features</b>                     |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| MPI                                 |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Good Sleep II                       |                                    |                          | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Silver Coated Health System        | Silver Coated Filter     | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     |                                    | Silver Coated Evaporator | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
| Anti Virus Filter                   |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     | Pure & Clean Air                   | DNA Filter               |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     |                                    | Pure Filter (HAF Filter) |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     |                                    | Catechin Filter          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Operating Mode                      | Deodorizing Filter                 |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     | Digital i Plus                     |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     | Dehumidification                   | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Turbo Mode                         | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Timer                              | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Energy Saving Mode                 | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Auto Restart                       | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Auto Changeover                    | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
| Convenience                         | Auto Wind                          |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
|                                     | Air Flow Control Steps (Cool/Fan)  | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
|                                     | Air Direction Control (Up/Down)    | 4/3                      | 4/3           | 4/3          | 4/3          | 4/3          | 4/3          | 4/3          | 4/3          |              |              |              |              |              |              |              |
|                                     | Air Direction Control (Left/Right) | AUTO                     | AUTO          | AUTO         | AUTO         | AUTO         | AUTO         | AUTO         | AUTO         |              |              |              |              |              |              |              |
|                                     | Auto Grille                        | MANUAL                   | MANUAL        | MANUAL       | MANUAL       | MANUAL       | MANUAL       | MANUAL       | MANUAL       |              |              |              |              |              |              |              |
|                                     | Remote Controller                  | •                        | •             | •            | •            | •            | •            | •            | •            |              |              |              |              |              |              |              |
| Auto Clean (self cleaning)          |                                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Etc.                                | Compressor Type                    |                          |               |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Low Ambient                         | Cooling                            | °C                       | 15-43         | 15-43        | 15-43        | 15-43        | 15-43        | 15-43        | 15-43        |              |              |              |              |              |              |              |
|                                     | Heating                            | °C                       | -5-24         | -5-24        | -5-24        | -5-24        | -5-24        | -5-24        | -5-24        |              |              |              |              |              |              |              |





# Max



| MODEL NO.                           | AS12UBAXAX                  |                                    | AS12UBFXAX  |             | AS12UABXAX  |             | AS18UBAXAX |  |
|-------------------------------------|-----------------------------|------------------------------------|-------------|-------------|-------------|-------------|------------|--|
| AREA                                | AMERICA                     |                                    |             |             |             |             |            |  |
| Refrigerant Type                    | CO                          |                                    | CO          |             | CO          |             | CO         |  |
| Performance                         | R22                         |                                    | R22         |             | R22         |             | R22        |  |
| Capacity                            | Cooling                     | Btu/hr. std                        | 12,000      | 12,000      | 12,000      | 18,000      |            |  |
|                                     |                             | min-max                            |             |             |             |             |            |  |
|                                     |                             | std                                | 3,024       | 3,024       | 3,024       | 4,536       |            |  |
|                                     | Heating                     | min-max                            |             |             |             |             |            |  |
|                                     |                             | std                                | 3.52        | 3.52        | 3.52        | 5.27        |            |  |
|                                     |                             | min-max                            |             |             |             |             |            |  |
| Energy Efficiency                   | Cooling                     | EER(Btu/W)                         | 9.5         | 11.5        | 10.4        | 9.5         |            |  |
|                                     |                             | EER(W/W)                           | 2.79        |             | 3.06        | 2.78        |            |  |
|                                     |                             | COP(W/W)                           | -           |             | -           | -           |            |  |
| Moisture Removal                    | Heating                     | l/hr.                              | 1.5         |             | 1.5         | 1.8         |            |  |
|                                     |                             | std                                | 9.5         |             | 9.5         | 13.0        |            |  |
| Air Circulation (Max)               | Indoor High/Low             | m <sup>3</sup> /min                | 35/26       |             | 35/26       | 45/30       |            |  |
|                                     |                             | std                                | 50          |             | 50          | 58          |            |  |
| Noise Level                         | Outdoor High                | dB                                 |             |             |             |             |            |  |
|                                     |                             | std                                |             |             |             |             |            |  |
| <b>Electrical Data</b>              |                             |                                    |             |             |             |             |            |  |
| Power Source                        |                             | V/Hz/ø                             | 220/60/1    | 220/60/1    | 110/60/1    | 220/60/1    |            |  |
| Power Consumption                   | Cooling                     | W                                  | 1260        |             | 1150        | 1900        |            |  |
|                                     | Heating                     | W                                  | -           |             | -           | -           |            |  |
| Operating Current                   | Cooling                     | A                                  | 5.8         |             | 10.3        | 8.5         |            |  |
|                                     | Heating                     | A                                  | -           |             | -           | -           |            |  |
| <b>Dimension &amp; Loading Q'ty</b> |                             |                                    |             |             |             |             |            |  |
| Net Dimension (WxHxD)               | Indoor                      | mm                                 | 825x285x189 | 820x285x190 | 825x285x189 | 890x285x190 |            |  |
|                                     |                             | mm                                 | 660x470x240 | 660x475x242 | 720x548x265 | 720x265x548 |            |  |
| Net Weight                          | Indoor                      | kg                                 | 8.4         | 8.7         | 8.4         | 9.9         |            |  |
|                                     |                             | kg                                 | 26          | 32          | 32.4        | 32.4        |            |  |
| Shipping Weight                     | Indoor                      | kg                                 | 10.6        | 10.1        | 10.6        | 12.1        |            |  |
|                                     |                             | kg                                 | 30          | 36          | 34.4        | 34.4        |            |  |
| Loading Q'ty                        | W Pipe                      | 20/40ft/Jumbo                      | 116/240/273 | 123/252/280 | 96/205/233  | 95/195/216  |            |  |
|                                     |                             | W/O Pipe                           | 136/280/303 | 130/270/302 | 106/231/259 | 103/216/246 |            |  |
| <b>Technical Information</b>        |                             |                                    |             |             |             |             |            |  |
| SVC Valve                           | Liquid                      | ODxL                               | 6.35        | 6.35        | 6.35        | 6.35        |            |  |
|                                     |                             | mm                                 | 12.7        | 12.7        | 12.7        | 12.7        |            |  |
| Piping Length                       | STD                         | mm                                 | 5           | 5           | 5           | 5           |            |  |
|                                     |                             | mm                                 | 15          | 15          | 15          | 15          |            |  |
| Piping Height                       | Max                         | mm                                 | 7           | 7           | 7           | 8           |            |  |
|                                     |                             | mm                                 |             |             |             |             |            |  |
| <b>Features</b>                     |                             |                                    |             |             |             |             |            |  |
| MPI                                 |                             |                                    |             |             |             |             |            |  |
| Good Sleep II                       | Silver Coated Health System | Silver Coated Filter               | •           | •           | •           | •           |            |  |
|                                     |                             | Silver Coated Evaporator           | •           | •           | •           | •           |            |  |
| Anti Virus Filter                   |                             |                                    |             |             |             |             |            |  |
| Pure & Clean Air                    | DNA Filter                  | Pure Filter (HAF Filter)           |             |             |             |             |            |  |
|                                     |                             | Catechin Filter                    |             |             |             |             |            |  |
|                                     |                             | Deodorizing Filter                 |             |             |             |             |            |  |
|                                     |                             | Deodorizing Filter                 |             |             |             |             |            |  |
| Operating Mode                      | Digital i Plus              | Dehumidification                   | •           | •           | •           | •           |            |  |
|                                     |                             | Turbo Mode                         | •           | •           | •           | •           |            |  |
|                                     |                             | Timer                              | •           | •           | •           | •           |            |  |
|                                     |                             | Energy Saving Mode                 | •           | •           | •           | •           |            |  |
|                                     |                             | Auto Restart                       | •           | •           | •           | •           |            |  |
|                                     |                             | Auto Changeover                    | •           | •           | •           | •           |            |  |
| Convenience                         | Auto Wind                   | Air Flow Control Steps (Cool/Fan)  | •           | •           | •           | •           |            |  |
|                                     |                             | Air Direction Control (Up/Down)    | •           | •           | •           | •           |            |  |
|                                     |                             | Air Direction Control (Left/Right) | •           | •           | •           | •           |            |  |
|                                     |                             | Auto Grille                        | •           | •           | •           | •           |            |  |
|                                     |                             | Remote Controller                  | •           | •           | •           | •           |            |  |
|                                     |                             | Auto Clean (self cleaning)         | •           | •           | •           | •           |            |  |
| Etc.                                | Compressor Type             |                                    |             |             |             |             |            |  |
| Low Ambient                         | Cooling                     | °C                                 | 15          | 15          | 15          | 15          |            |  |
|                                     |                             | °C                                 |             |             |             |             |            |  |

| MODEL NO.                           | AS18UBFXAX                  |                                    | AS24UBAXAX  |              | AS09RBAXAP  |             | AS09RBAXAP  |             | AS12UABXAP  |              | AS12UBAXAP |          | AS18UBAXAP |          | AS24UBAXAP |          |  |
|-------------------------------------|-----------------------------|------------------------------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|----------|------------|----------|------------|----------|--|
| AREA                                | AMERICA                     |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Refrigerant Type                    | CO                          |                                    | CO          |              | CO          |             | CO          |             | CO          |              | CO         |          | CO         |          | CO         |          |  |
| Performance                         | R22                         |                                    | R22         |              | R22         |             | R22         |             | R22         |              | R22        |          | R22        |          | R22        |          |  |
| Capacity                            | Cooling                     | Btu/hr. std                        | 18,000      | 24,000       | 9,000       | 9,000       | 12,000      | 12,000      | 18,000      | 24,000       |            |          |            |          |            |          |  |
|                                     |                             | min-max                            |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
|                                     |                             | std                                | 4,536       | 6,048        | 2,268       | 2,268       | 3,024       | 3,024       | 4,536       | 6,048        |            |          |            |          |            |          |  |
|                                     | Heating                     | min-max                            |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
|                                     |                             | std                                | 5.27        | 7.03         | 2.64        | 2.64        | 3.52        | 3.52        | 5.27        | 7.03         |            |          |            |          |            |          |  |
|                                     |                             | min-max                            |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Energy Efficiency                   | Cooling                     | EER(Btu/W)                         | 11.5        | 9.6          | 9.7         | 10.4        | 9.5         | 9.5         | 9.6         | 9.6          |            |          |            |          |            |          |  |
|                                     |                             | EER(W/W)                           | 2.81        | 2.81         | 2.84        | 3.06        | 2.79        | 2.78        | 2.81        |              |            |          |            |          |            |          |  |
|                                     |                             | COP(W/W)                           | -           |              | -           | -           | -           | -           | -           |              |            |          |            |          |            |          |  |
| Moisture Removal                    | Heating                     | l/hr.                              | 2.4         |              | 1.0         | 1.5         | 1.5         | 1.8         | 2.4         |              |            |          |            |          |            |          |  |
|                                     |                             | std                                | 17.0        |              | 7.0         | 9.5         | 9.5         | 13.0        | 17.0        |              |            |          |            |          |            |          |  |
| Air Circulation (Max)               | Indoor High/Low             | m <sup>3</sup> /min                | 48/33       |              | 33/23       | 35/26       | 35/26       | 45/30       | 48/33       |              |            |          |            |          |            |          |  |
|                                     |                             | std                                | 61          |              | 47          | 50          | 50          | 58          | 61          |              |            |          |            |          |            |          |  |
| Noise Level                         | Outdoor High                | dB                                 |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
|                                     |                             | std                                |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| <b>Electrical Data</b>              |                             |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Power Source                        |                             | V/Hz/ø                             | 220/60/1    | 220/60/1     | 110/60/1    | 220/60/1    | 110/60/1    | 220/60/1    | 110/60/1    | 220/60/1     | 220/60/1   | 220/60/1 | 220/60/1   | 220/60/1 | 220/60/1   | 220/60/1 |  |
| Power Consumption                   | Cooling                     | W                                  | 2500        | 2500         | 930         | 1150        | 1260        | 1900        | 2500        |              |            |          |            |          |            |          |  |
|                                     | Heating                     | W                                  | -           |              | -           | -           | -           | -           | -           |              |            |          |            |          |            |          |  |
| Operating Current                   | Cooling                     | A                                  | 11.0        |              | 4.3         | 10.3        | 5.8         | 8.5         | 11.0        |              |            |          |            |          |            |          |  |
|                                     | Heating                     | A                                  | -           |              | -           | -           | -           | -           | -           |              |            |          |            |          |            |          |  |
| <b>Dimension &amp; Loading Q'ty</b> |                             |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Net Dimension (WxHxD)               | Indoor                      | mm                                 | 890x285x190 | 1065x298x222 | 728x255x185 | 728x255x185 | 825x285x189 | 825x285x189 | 890x285x190 | 1065x298x222 |            |          |            |          |            |          |  |
|                                     |                             | mm                                 | 790x285x548 | 790x548x285  | 660x475x242 | 660x475x242 | 720x548x265 | 660x470x240 | 720x265x548 | 790x548x285  |            |          |            |          |            |          |  |
| Net Weight                          | Indoor                      | kg                                 | 9.2         | 13           | 6.8         | 6.8         | 8.4         | 9.9         | 13          |              |            |          |            |          |            |          |  |
|                                     |                             | kg                                 | 39          | 39           | 25          | 26          | 32.4        | 26          | 32.4        | 39           |            |          |            |          |            |          |  |
| Shipping Weight                     | Indoor                      | kg                                 | 11.5        | 16           | 8.3         | 8.3         | 10.6        | 12.1        | 16          |              |            |          |            |          |            |          |  |
|                                     |                             | kg                                 | 43          | 43           | 29          | 30          | 34.4        | 30          | 34.4        | 43           |            |          |            |          |            |          |  |
| Loading Q'ty                        | W Pipe                      | 20/40ft/Jumbo                      | 90/188/210  | 82/170/185   | 128/276/304 | 128/276/304 | 96/205/233  | 116/240/273 | 95/195/216  | 82/170/185   |            |          |            |          |            |          |  |
|                                     |                             | W/O Pipe                           | 97/202/228  | 82/170/197   | 142/299/336 | 142/299/336 | 106/231/259 | 136/280/303 | 103/216/246 | 82/170/197   |            |          |            |          |            |          |  |
| <b>Technical Information</b>        |                             |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| SVC Valve                           | Liquid                      | ODxL                               | 6.35        | 6.35         | 6.35        | 6.35        | 6.35        | 6.35        | 6.35        |              |            |          |            |          |            |          |  |
|                                     |                             | mm                                 | 12.7        | 15.8         | 9.52        | 12.7        | 12.7        | 12.7        | 15.8        |              |            |          |            |          |            |          |  |
| Piping Length                       | STD                         | mm                                 | 5           | 5            | 5           | 5           | 5           | 5           | 5           |              |            |          |            |          |            |          |  |
|                                     |                             | mm                                 | 15          | 20           | 15          | 15          | 15          | 15          | 20          |              |            |          |            |          |            |          |  |
| Piping Height                       | Max                         | mm                                 | 8           | 8            | 7           | 7           | 7           | 8           | 8           |              |            |          |            |          |            |          |  |
|                                     |                             | mm                                 |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| <b>Features</b>                     |                             |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Good Sleep II                       | Silver Coated Health System | Silver Coated Filter               | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Silver Coated Evaporator           | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
| Anti Virus Filter                   |                             |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Pure & Clean Air                    | DNA Filter                  | Pure Filter (HAF Filter)           |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
|                                     |                             | Catechin Filter                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
|                                     |                             | Deodorizing Filter                 |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
|                                     |                             | Deodorizing Filter                 |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Operating Mode                      | Digital i Plus              | Dehumidification                   | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Turbo Mode                         | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Timer                              | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Energy Saving Mode                 | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Auto Restart                       | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Auto Changeover                    | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
| Convenience                         | Auto Wind                   | Air Flow Control Steps (Cool/Fan)  | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Air Direction Control (Up/Down)    | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Air Direction Control (Left/Right) | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Auto Grille                        | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Remote Controller                  | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
|                                     |                             | Auto Clean (self cleaning)         | •           | •            | •           | •           | •           | •           | •           |              |            |          |            |          |            |          |  |
| Etc.                                | Compressor Type             |                                    |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |
| Low Ambient                         | Cooling                     | °C                                 | 15          | 15           | 15          | 15          | 15          | 15          | 15          |              |            |          |            |          |            |          |  |
|                                     |                             | °C                                 |             |              |             |             |             |             |             |              |            |          |            |          |            |          |  |







# Max



| MODEL NO.                           | AS18UUMNXEA                       | AS24UUMNXEA              | AQ09RLNXSV    | AQ12ULNXSV    | AQ18ULNXSV    |               |               |
|-------------------------------------|-----------------------------------|--------------------------|---------------|---------------|---------------|---------------|---------------|
| AREA                                | SouthEast Asia                    |                          |               |               |               |               |               |
| Refrigerant Type                    | CO                                | CO                       | HP            | HP            | HP            |               |               |
| Performance                         | R22                               | R22                      | R22           | R22           | R22           |               |               |
| Capacity                            | Cooling                           | Btu/hr. std              | 18,000        | 24,000        | 9,000         | 12,000        | 18,000        |
|                                     |                                   | min-max                  |               |               |               |               |               |
|                                     |                                   | std                      | 4,536         | 6,048         | 2,268         | 3,024         | 4,536         |
|                                     | kW                                | min-max                  |               |               |               |               |               |
|                                     |                                   | std                      | 5.27          | 7.03          | 2.64          | 3.52          | 5.27          |
|                                     |                                   | min-max                  |               |               |               |               |               |
| Heating                             | Btu/hr. std                       |                          | -             | -             | 9,500         | 13,000        | 19,500        |
|                                     |                                   | min-max                  |               |               |               |               |               |
|                                     |                                   | std                      | -             | -             | 2,394         | 3,276         | 4,914         |
|                                     | kW                                | min-max                  |               |               |               |               |               |
|                                     |                                   | std                      | -             | -             | 2.78          | 3.81          | 5.71          |
|                                     |                                   | min-max                  |               |               |               |               |               |
| Energy Efficiency                   | Cooling                           | EER(Btu/W)               | 9.73          | 10.21         | 9.05          | 9.52          | 9.47          |
|                                     |                                   | EER(W/W)                 | 2.85          | 2.99          | 2.65          | 2.79          | 2.78          |
| Heating                             | COP(W/W)                          | -                        | -             | 2.99          | 3.28          | 3.01          |               |
|                                     |                                   |                          |               |               |               |               |               |
| Moisture Removal                    | l/hr.                             | 2.0                      | 2.5           | 2.5           | 1.5           | 2.0           |               |
| Air Circulation (Max)               | m <sup>3</sup> /min               | 14.0                     | 15.0          | 15.0          | 10.0          | 14.0          |               |
| Noise Level                         | Indoor High/Low                   | dB                       | 42/32         | 44/35         | 44/35         | 37/26         | 42/32         |
|                                     | Outdoor High                      | dB                       | 53            | 56            | 56            | 51            | 53            |
| <b>Electrical Data</b>              |                                   |                          |               |               |               |               |               |
| Power Source                        | V/Hz/ø                            | 220-240/50/1             | 220-240/50/1  | 220-240/50/1  | 220-240/50/1  | 220-240/50/1  |               |
| Power Consumption                   | Cooling                           | W                        | 1,850         | 2,350         | 995           | 1,260         | 1,900         |
|                                     | Heating                           | W                        | -             | -             | 930           | 1,160         | 1,900         |
| Operating Current                   | Cooling                           | A                        | 9.0           | 10.7          | 4.6           | 5.8           | 9.0           |
|                                     | Heating                           | A                        | -             | -             | 4.2           | 5.3           | 9.0           |
| <b>Dimension &amp; Loading Q'ty</b> |                                   |                          |               |               |               |               |               |
| Net Dimension (WxHxD)               | Indoor                            | mm                       | 890x285x190   | 1065x298x222  | 728x255x185   | 820x285x190   | 890x285x190   |
|                                     | Outdoor                           | mm                       | 720x548x265   | 790x548x285   | 660x470x240   | 660x470x240   | 720x548x265   |
| Net Weight                          | Indoor                            | kg                       | 9.2           | 13            | 6.8           | 8.9           | 9.2           |
|                                     | Outdoor                           | kg                       | 38            | 43            | 24.5          | 25.9          | 38            |
| Shipping Weight                     | Indoor                            | kg                       | 11.2          | 16            | 7.8           | 10.3          | 11.2          |
|                                     | Outdoor                           | kg                       | 41            | 45            | 26.5          | 27.9          | 41            |
| Loading Q'ty                        | W Pipe                            | 20/40ft/Jumbo            | -             | -             | -             | -             | -             |
|                                     | W/O Pipe                          | 20/40ft/Jumbo            | 92/190/211    | 73/153/176    | 152/314/348   | 123/253/285   | 97/202/238    |
| <b>Technical Information</b>        |                                   |                          |               |               |               |               |               |
| SVC Valve                           | Liquid                            | ODxL                     | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5.0m | ø 6.35mmx5.0m |
|                                     | Gas                               | ODxL                     | ø 12.7mmx5.0m | ø 15.9mmx5.0m | ø 9.52mmx5.0m | ø 12.7mmx5.0m | ø 12.7mmx5.0m |
| Piping Length                       | STD                               | mm                       | 5             | 5             | 5             | 5             | 5             |
|                                     | Max                               | mm                       | 15            | 20            | 15            | 15            | 15            |
| Piping Height                       | Max                               | mm                       | 8             | 8             | 7             | 7             | 8             |
| <b>Features</b>                     |                                   |                          |               |               |               |               |               |
| MPI                                 |                                   |                          | •             | •             | •             | •             | •             |
| Good Sleep II                       |                                   |                          | •             | •             | •             | •             | •             |
|                                     | Silver Coated Health System       | Silver Coated Filter     | •             | •             | •             | •             | •             |
|                                     |                                   | Silver Coated Evaporator | •             | •             | •             | •             | •             |
| Anti Virus Filter                   |                                   |                          | •             | •             | •             | •             | •             |
| Pure & Clean Air                    | DNA Filter                        |                          | •             | •             | •             | •             | •             |
|                                     | Pure Filter (HAF Filter)          |                          | •             | •             | •             | •             | •             |
|                                     | Catechin Filter                   |                          | •             | •             | •             | •             | •             |
|                                     | Deodorizing Filter                |                          | •             | •             | •             | •             | •             |
| Operating Mode                      | Digital i Plus                    |                          | •             | •             | •             | •             | •             |
|                                     | Dehumidification                  |                          | •             | •             | •             | •             | •             |
|                                     | Turbo Mode                        |                          | •             | •             | •             | •             | •             |
|                                     | Timer                             |                          | •             | •             | •             | •             | •             |
|                                     | Energy Saving Mode                |                          | •             | •             | •             | •             | •             |
|                                     | Auto Restart                      |                          | •             | •             | •             | •             | •             |
|                                     | Auto Changeover                   |                          | •             | •             | •             | •             | •             |
|                                     | Convenience                       | Auto Wind                |               | •             | •             | •             | •             |
|                                     | Air Flow Control Steps (Cool/Fan) |                          | •             | •             | •             | •             | •             |
|                                     | Air Direction Control (Up/Down)   | 4/3                      | 4/3           | 4/3           | 4/3           | 4/3           | 4/3           |
| Air Direction Control (Left/Right)  | AUTO                              | AUTO                     | AUTO          | AUTO          | AUTO          | AUTO          |               |
| Auto Grille                         | MANUAL                            | MANUAL                   | MANUAL        | MANUAL        | MANUAL        | MANUAL        |               |
| Remote Controller                   |                                   | •                        | •             | •             | •             | •             |               |
| Auto Clean (self cleaning)          |                                   | •                        | •             | •             | •             | •             |               |
| Etc.                                | Compressor Type                   |                          | ROTARY        | ROTARY        | ROTARY        | ROTARY        | ROTARY        |
| Low Ambient                         | Cooling                           | °C                       | 15-43         | 15-43         | 15-43         | 15-43         | 15-43         |
|                                     | Heating                           | °C                       | -             | -             | -5-24         | -5-24         | -5-24         |

# Neo Forte



| MODEL NO.                           | AQV09NSAN                         | AQV09NSBN                | AQV12NSAN    | AQV12NSBN    |              |              |
|-------------------------------------|-----------------------------------|--------------------------|--------------|--------------|--------------|--------------|
| AREA                                | Europe                            |                          |              |              |              |              |
| Refrigerant Type                    | S Inverter                        | S Inverter               | S Inverter   | S Inverter   |              |              |
| Performance                         | R410A                             | R410A                    | R410A        | R410A        |              |              |
| Capacity                            | Cooling                           | Btu/hr. std              | 8,530        | 8,530        | 11,260       | 11,942       |
|                                     |                                   | min-max                  |              |              |              |              |
|                                     |                                   | std                      | 3,378-10,919 | 3,378-10,919 | 3,378-12,966 | 3,378-13,649 |
|                                     | kCal/hr. std                      | min-max                  |              |              |              |              |
|                                     |                                   | std                      | 2,150        | 2,150        | 2,837        | 3,009        |
|                                     |                                   | min-max                  | 851-2,752    | 851-2,752    | 851-3,267    | 851-3,439    |
| kW                                  | min-max                           |                          |              |              |              |              |
|                                     | std                               | 2.5                      | 2.5          | 3.3          | 3.5          |              |
|                                     | min-max                           | 0.99-3.2                 | 0.99-3.2     | 0.99-3.8     | 0.99-4.0     |              |
| Heating                             | Btu/hr. std                       |                          | 11,260       | 11,942       | 13,649       | 13,649       |
|                                     |                                   | min-max                  |              |              |              |              |
|                                     |                                   | std                      | 4,095-14,331 | 3,378-15,355 | 4,777-16,037 | 3,378-17,743 |
|                                     | kCal/hr. std                      | min-max                  |              |              |              |              |
|                                     |                                   | std                      | 2,837        | 3,009        | 3,439        | 3,439        |
|                                     |                                   | min-max                  | 1,032-3,611  | 851-3,869    | 1,204-4,041  | 851-4,471    |
| kW                                  | min-max                           |                          |              |              |              |              |
|                                     | std                               | 3.3                      | 3.5          | 4.0          | 4.0          |              |
|                                     | min-max                           | 1.2-4.2                  | 0.99-4.5     | 1.4-4.7      | 0.99-5.2     |              |
| Energy Efficiency                   | Cooling                           | EER(Btu/W)               | 11.6         | 13.9         | 11.0         | 11.3         |
|                                     |                                   | EER(W/W)                 | 3.40         | 4.08         | 3.21         | 3.30         |
| Heating                             | COP(W/W)                          | 3.63                     | 3.80         | 3.61         | 3.61         |              |
|                                     |                                   |                          |              |              |              |              |
| Moisture Removal                    | l/hr.                             | 1.0                      | 1.0          | 1.4          | 1.4          |              |
| Air Circulation (Max)               | m <sup>3</sup> /min               | 7.0                      | 7.0          | 8.0          | 8.0          |              |
| Noise Level                         | Indoor High/Low                   | dB                       | 32 / 23      | 31 / 22      | 36 / 23      | 36 / 22      |
|                                     | Outdoor High                      | dB                       | 45           | 45           | 47           | 45           |
| <b>Electrical Data</b>              |                                   |                          |              |              |              |              |
| Power Source                        | V/Hz/ø                            | 220-240/50/1             | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 |              |
| Power Consumption                   | Cooling                           | W                        | 735          | 613          | 1028         | 1060         |
|                                     | Heating                           | W                        | 910          | 960          | 1108         | 1108         |
| Operating Current                   | Cooling                           | A                        | 3.5          | 3.0          | 4.9          | 4.9          |
|                                     | Heating                           | A                        | 4.4          | 4.5          | 5.2          | 5.3          |
| <b>Dimension &amp; Loading Q'ty</b> |                                   |                          |              |              |              |              |
| Net Dimension (WxHxD)               | Indoor                            | mm                       | 825x285x189  | 825x285x189  | 825x285x189  | 825x285x189  |
|                                     | Outdoor                           | mm                       | 720x548x265  | 790x548x285  | 720x548x265  | 790x548x285  |
| Net Weight                          | Indoor                            | kg                       | 8.4          | 8.4          | 8.4          | 8.4          |
|                                     | Outdoor                           | kg                       | 32.4         | 39           | 32.4         | 39           |
| Shipping Weight                     | Indoor                            | kg                       | 10.6         | 10.6         | 10.6         | 10.6         |
|                                     | Outdoor                           | kg                       | 34.4         | 43           | 34.4         | 43           |
| Loading Q'ty                        | W Pipe                            | 20/40ft/Jumbo            | 96/205/233   | 91/193/216   | 96/205/233   | 91/193/216   |
|                                     | W/O Pipe                          | 20/40ft/Jumbo            | 106/231/259  | 101/209/233  | 106/231/259  | 101/209/233  |
| <b>Technical Information</b>        |                                   |                          |              |              |              |              |
| SVC Valve                           | Liquid                            | ODxL                     | ø 6.35mmx5m  | ø 6.35mmx5m  | ø 6.35mmx5m  | ø 6.35mmx5m  |
|                                     | Gas                               | ODxL                     | ø 9.52mmx5m  | ø 9.52mmx5m  | ø 9.52mmx5m  | ø 9.52mmx5m  |
| Piping Length                       | STD                               | mm                       | 5            | 5            | 5            | 5            |
|                                     | Max                               | mm                       | 15           | 15           | 15           | 15           |
| Piping Height                       | Max                               | mm                       | 7            | 7            | 7            | 7            |
| Refrigerant                         |                                   |                          | 750          | 900          | 850          | 900          |
| Add Refrigerant                     |                                   |                          | 15           | 15           | 15           | 15           |
| <b>Features</b>                     |                                   |                          |              |              |              |              |
| MPI                                 |                                   |                          | •            | •            | •            | •            |
| Good Sleep II                       |                                   |                          | •            | •            | •            | •            |
|                                     | Silver Coated Health System       | Silver Coated Filter     | •            | •            | •            | •            |
|                                     |                                   | Silver Coated Evaporator | •            | •            | •            | •            |
| Anti Virus Filter                   |                                   |                          | •            | •            | •            | •            |
| Pure & Clean Air                    | DNA Filter                        |                          | •            | •            | •            | •            |
|                                     | Pure Filter (HAF Filter)          |                          | •            | •            | •            | •            |
|                                     | Catechin Filter                   |                          | •            | •            | •            | •            |
|                                     | Deodorizing Filter                |                          | •            | •            | •            | •            |
| Operating Mode                      | Digital i Plus                    |                          | •            | •            | •            | •            |
|                                     | Dehumidification                  |                          | •            | •            | •            | •            |
|                                     | Turbo Mode                        |                          | •            | •            | •            | •            |
|                                     | Timer                             |                          | •            | •            | •            | •            |
|                                     | Energy Saving Mode                |                          | •            | •            | •            | •            |
|                                     | Auto Restart                      |                          | •            | •            | •            | •            |
|                                     | Auto Changeover                   |                          | •            | •            | •            | •            |
|                                     | Convenience                       | Auto Wind                |              | •            | •            | •            |
|                                     | Air Flow Control Steps (Cool/Fan) |                          | •            | •            | •            | •            |
|                                     | Air Direction Control (Up/Down)   | 4/3                      | 4/3          | 4/3          | 4/3          | 4/3          |
| Air Direction Control (Left/Right)  | AUTO                              | AUTO                     | AUTO         | AUTO         | AUTO         |              |
| Auto Grille                         | MANUAL                            | MANUAL                   | MANUAL       | MANUAL       | MANUAL       |              |
| Remote Controller                   |                                   | •                        | •            | •            | •            |              |
| Auto Clean (self cleaning)          |                                   | •                        | •            | •            | •            |              |
| Etc.                                | Compressor Type                   |                          | Rotary       | Rotary       | Rotary       | Rotary       |
| Low Ambient                         | Cooling                           | °C                       | +10-43       | +10-43       | +10-43       | +10-43       |
|                                     | Heating                           | °C                       | -10-24       | -15-24       | -10-24       | -15-24       |















# Free Joint Multi Series (Indoor Unit)

## MB



| MODEL CODE                  |  | MH026FBEA           | MH035FBEA      | MH052FBEA      |             |
|-----------------------------|--|---------------------|----------------|----------------|-------------|
| POWER SOURCE (ø / V / Hz)   |  | 1/220~240/50        | 1/220~240/50   | 1/220~240/50   |             |
| MODE                        |  | HP                  | HP             | HP             |             |
| <b>Performance</b>          |  |                     |                |                |             |
| Cooling                     | kW                                       | 2.6                 | 3.5            | 5.2            |             |
|                             | Btu/h                                    | 8,871               | 11,942         | 17,742         |             |
| Heating                     | kW                                       | 2.9                 | 3.8            | 5.6            |             |
|                             | Btu/h                                    | 9,895               | 12,966         | 19,107         |             |
| Sound Level(High/Low)       | dBA                                      | 31/20 *5)           | 35/21 *5)      | 40/30 *5)      |             |
| <b>Power</b>                |  |                     |                |                |             |
| Fan                         | Type                                     | -                   | Cross Flow Fan | Cross Flow Fan |             |
|                             | Airflow Rate (Cool/Heat)                 | m <sup>3</sup> /min | 8.14/8.23      | 9.16/9.46      | 14.98/14.49 |
|                             | External Static Pressure (Standard/High) | mmAq                | -              | -              | -           |
| Running Curre               | Cooling/Heating                          | A                   | 0.18/0.18      | 0.19/0.19      | 0.3/0.3     |
| Power Input                 | Cooling/Heating                          | W                   | 30/30          | 35/35          | 50/50       |
| <b>Piping</b>               |  |                     |                |                |             |
| Connecting Pipe             | Liquid(Flare)                            | ø.mm                | 6.35           | 6.35           | 6.35        |
|                             | Gas(Flare)                               | ø.mm                | 9.52           | 9.52           | 12.70       |
|                             | Drain                                    | ø.mm                | ID 18          | ID 18          | ID 18       |
| <b>Set Size</b>             |  |                     |                |                |             |
| Net Weight                  | kg                                       | 10.2                | 10.2           | 13.0           |             |
| Shipping Weight             | kg                                       | 11.5                | 11.5           | 16.0           |             |
| Net Dimensions (WxHxD)      | mm                                       | 900X304X185         | 900X304X185    | 1,100X307X225  |             |
| Shipping Dimensions (WxHxD) | mm                                       | 963X349X247         | 963X349X247    | 1,157X381X292  |             |
| <b>Accessories</b>          |  |                     |                |                |             |
| Panel                       | -  | -                   | -              | -              |             |
| Filter                      | -  | -                   | -              | -              |             |
| Drain Pump                  | -  | -                   | -              | -              |             |

## VIVACE



| MODEL CODE                  |  | MH020FVEA           | MH026FVEA      | MH035FVEA      | MH052FVEA      |           |
|-----------------------------|--|---------------------|----------------|----------------|----------------|-----------|
| POWER SOURCE (ø / V / Hz)   |  | 1/220~240/50        | 1/220~240/50   | 1/220~240/50   | 1/220~240/50   |           |
| MODE                        |  | HP                  | HP             | HP             | HP             |           |
| <b>Performance</b>          |  |                     |                |                |                |           |
| Cooling                     | kW                                       | 2                   | 2.6            | 3.5            | 5.2            |           |
|                             | Btu/h                                    | 6,824               | 8,871          | 11,942         | 17,742         |           |
| Heating                     | kW                                       | 2.2                 | 2.9            | 3.8            | 5.6            |           |
|                             | Btu/h                                    | 7,506               | 9,895          | 12,966         | 19,107         |           |
| Sound Level(High/Low)       | dBA                                      | 31/21 *5)           | 31/21 *5)      | 35/21 *5)      | 40/30 *5)      |           |
| <b>Power</b>                |  |                     |                |                |                |           |
| Fan                         | Type                                     | -                   | Cross Flow Fan | Cross Flow Fan | Cross Flow Fan |           |
|                             | Airflow Rate (Cool/Heat)                 | m <sup>3</sup> /min | 7.5/8.1        | 8.5/8.3        | 10/10.4        | 14.8/14.8 |
|                             | External Static Pressure (Standard/High) | mmAq                | -              | -              | -              | -         |
| Running Curre               | Cooling/Heating                          | A                   | 0.18/0.18      | 0.18/0.18      | 0.19/0.19      | 0.3/0.3   |
| Power Input                 | Cooling/Heating                          | W                   | 30/30          | 30/30          | 35/35          | 50/50     |
| <b>Piping</b>               |  |                     |                |                |                |           |
| Connecting Pipe             | Liquid(Flare)                            | ø.mm                | 6.35           | 6.35           | 6.35           |           |
|                             | Gas(Flare)                               | ø.mm                | 9.52           | 9.52           | 9.52           | 12.70     |
|                             | Drain                                    | ø.mm                | ID 18          | ID 18          | ID 18          | ID 18     |
| <b>Set Size</b>             |  |                     |                |                |                |           |
| Net Weight                  | kg                                       | 8.5                 | 8.5            | 8.5            | 12.0           |           |
| Shipping Weight             | kg                                       | 11.5                | 11.5           | 11.5           | 15.0           |           |
| Net Dimensions (WxHxD)      | mm                                       | 825X285X189         | 825X285X189    | 825X285X189    | 1,065X298X214  |           |
| Shipping Dimensions (WxHxD) | mm                                       | 900X349X252         | 900X349X252    | 900X349X252    | 1,137X377X299  |           |
| <b>Accessories</b>          |  |                     |                |                |                |           |
| Panel                       | -  | -                   | -              | -              | -              |           |
| Filter                      | -  | -                   | -              | -              | -              |           |
| Drain Pump                  | -  | -                   | -              | -              | -              |           |

### Notes

- \*1) Mode: HP: Heat Pump, HR: Heat Recovery
- \*2) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- \*5) Due to ongoing improvement on products, specifications may change without prior notice.

## Neo Forte



| MODEL CODE                  |  | MH020FNEA           | MH026FNEA      | MH035FNEA      | MH052FNEA      |             |
|-----------------------------|--|---------------------|----------------|----------------|----------------|-------------|
| POWER SOURCE (ø / V / Hz)   |  | 1/220~240/50        | 1/220~240/50   | 1/220~240/50   | 1/220~240/50   |             |
| MODE                        |  | HP                  | HP             | HP             | HP             |             |
| <b>Performance</b>          |  |                     |                |                |                |             |
| Cooling                     | kW                                       | 2                   | 2.6            | 3.5            | 5.2            |             |
|                             | Btu/h                                    | 6,824               | 8,871          | 11,942         | 17,742         |             |
| Heating                     | kW                                       | 2.2                 | 2.9            | 3.8            | 5.6            |             |
|                             | Btu/h                                    | 7,506               | 9,895          | 12,966         | 19,107         |             |
| Sound Level(High/Low)       | dBA                                      | 32/23 *5)           | 32/23 *5)      | 36/23 *5)      | 40/30 *5)      |             |
| <b>Power</b>                |  |                     |                |                |                |             |
| Fan                         | Type                                     | -                   | Cross Flow Fan | Cross Flow Fan | Cross Flow Fan |             |
|                             | Airflow Rate (Cool/Heat)                 | m <sup>3</sup> /min | 7.73/8         | 8.31/8.56      | 9.54/9.93      | 13.21/14.22 |
|                             | External Static Pressure (Standard/High) | mmAq                | -              | -              | -              | -           |
| Running Curre               | Cooling/Heating                          | A                   | 0.18/0.18      | 0.18/0.18      | 0.19/0.19      | 0.3/0.3     |
| Power Input                 | Cooling/Heating                          | W                   | 30/30          | 30/30          | 35/35          | 50/50       |
| <b>Piping</b>               |  |                     |                |                |                |             |
| Connecting Pipe             | Liquid(Flare)                            | ø.mm                | 6.35           | 6.35           | 6.35           |             |
|                             | Gas(Flare)                               | ø.mm                | 9.52           | 9.52           | 9.52           | 12.70       |
|                             | Drain                                    | ø.mm                | ID 18          | ID 18          | ID 18          | ID 18       |
| <b>Set Size</b>             |  |                     |                |                |                |             |
| Net Weight                  | kg                                       | 7.8                 | 7.8            | 7.8            | 13.0           |             |
| Shipping Weight             | kg                                       | 9.4                 | 9.4            | 9.4            | 16.0           |             |
| Net Dimensions (WxHxD)      | mm                                       | 825X285X189         | 825X285X189    | 825X285X189    | 1,098X315X217  |             |
| Shipping Dimensions (WxHxD) | mm                                       | 900X349X252         | 900X349X252    | 900X349X252    | 1,137X377X299  |             |
| <b>Accessories</b>          |  |                     |                |                |                |             |
| Panel                       | -  | -                   | -              | -              | -              |             |
| Filter                      | -  | -                   | -              | -              | -              |             |
| Drain Pump                  | -  | -                   | -              | -              | -              |             |

## Console



| MODEL CODE                  |  | MH026FVEA           | MH035FJEA      | MH052FJEA    | MH026FSEA         | MH052FVEA          |                    |
|-----------------------------|--|---------------------|----------------|--------------|-------------------|--------------------|--------------------|
| POWER SOURCE (ø / V / Hz)   |  | 1/220~240/50        | 1/220~240/50   | 1/220~240/50 | 1,220~240/50      | 1,220~240/50       |                    |
| MODE                        |  | HP                  | HP             | HP           | HP                | HP                 |                    |
| <b>Performance</b>          |  |                     |                |              |                   |                    |                    |
| Cooling                     | kW                                       | 2.6                 | 3.5            | 5.2          | 2.6               | 3.5                |                    |
|                             | Btu/h                                    | 8,871               | 11,942         | 17,700       | 8,800             | 11,900             |                    |
| Heating                     | kW                                       | 2.9                 | 3.8            | 5.6          | 2.9               | 3.8                |                    |
|                             | Btu/h                                    | 9,895               | 12,966         | 19,100       | 9,800             | 12,900             |                    |
| Sound Level(High/Low)       | dBA                                      | 31/21 *5)           | -              | -            | -                 | -                  |                    |
| <b>Power</b>                |  |                     |                |              |                   |                    |                    |
| Fan                         | Type                                     | -                   | Cross Flow Fan | Turbo Fan    | Turbo Fan         | Cross Flow Fan     |                    |
|                             | Airflow Rate (Cool/Heat)                 | m <sup>3</sup> /min | 8.5/8.3        | -            | 11.2 / 12.6 *5)   | 6.2 *5) / 7.5 *5)  | 7.6 / 8.2 *5)      |
|                             | External Static Pressure (Standard/High) | mmAq                | -              | -            | -                 | -                  | -                  |
| Running Curre               | Cooling/Heating                          | A                   | 0.18/0.18      | -            | 0.35 *5)          | 0.23 *5)           | 0.25 *5)           |
| Power Input                 | Cooling/Heating                          | W                   | 30/30          | -            | 50 *5)            | 45 *5)             | 50 *5)             |
| <b>Piping</b>               |  |                     |                |              |                   |                    |                    |
| Connecting Pipe             | Liquid(Flare)                            | ø.mm                | 6.35           | 6.35         | 6.35              | 6.35               |                    |
|                             | Gas(Flare)                               | ø.mm                | 9.52           | 9.52         | 12.70             | 9.52               |                    |
|                             | Drain                                    | ø.mm                | ID 18          | -            | ID 18 hose        | VP20(OD 25, ID 20) | VP20(OD 25, ID 20) |
| <b>Set Size</b>             |  |                     |                |              |                   |                    |                    |
| Net Weight                  | kg                                       | 8.5                 | 14.5           | 15.0         | 10.5              | 10.5               |                    |
| Shipping Weight             | kg                                       | 11.5                | 18.5           | 19.0         | 13.5              | 13.5               |                    |
| Net Dimensions (WxHxD)      | mm                                       | 825X285X189         | 720x620x199    | 720x620x199  | 970X135X410       | 970X135X410        |                    |
| Shipping Dimensions (WxHxD) | mm                                       | 900X349X252         | 810x710x295    | 810X710X295  | 1164X212X478      | 1164X212X478       |                    |
| <b>Accessories</b>          |  |                     |                |              |                   |                    |                    |
| Panel                       | -  | -                   | -              | -            | PSSMA             | PSSMA              |                    |
| Filter                      | -  | -                   | -              | -            | Filter (Washable) | Filter (Washable)  |                    |
| Drain Pump                  | ø/h/mm                                   | -                   | -              | -            | 24/750            | 24/750             |                    |

### Notes

- \*1) Mode - HP: Heat Pump, HR: Heat Recovery
- \*2) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- \*5) Specifications may be subject to change without prior notice for product improvement.

# Free Joint Multi Series (Indoor Unit)



Mini 4way Cassette

| MODEL CODE                  | MH030FMEA                                | MH035FMEA           | MH052FMEA            |
|-----------------------------|--|---------------------|----------------------|
| POWER SOURCE (ø / V / Hz)   | 1/220-240/50                             | 1/220-240/50        | 1/220-240/50         |
| MODE                        | HP                                       | HP                  | HP                   |
| <b>Performance</b>          |  |                     |                      |
| Cooling                     | kW                                       | 3.5                 | 5.2                  |
|                             | Btu/h                                    | 11900               | 17700                |
| Heating                     | kW                                       | 3.8                 | 5.6                  |
|                             | Btu/h                                    | 12900               | 19100                |
| Sound Level(High/Low)       | dBA                                      | 40/37               | 44/40                |
| <b>Power</b>                |  |                     |                      |
| Fan                         | Type                                     | Turbo Fan           | Turbo Fan            |
|                             | Airflow Rate (Cool/Heat)                 | m <sup>3</sup> /min | 10.8/11.7            |
|                             | External Static Pressure (Standard/High) | mmAq                | -                    |
| Running Current             | Cooling/Heating                          | A                   | 0.37/0.37            |
| Power Input                 | Cooling/Heating                          | W                   | 85/85                |
| <b>Piping</b>               |  |                     |                      |
| Connecting Pipe             | Liquid(Flare)                            | ø.mm                | 6.35                 |
|                             | Gas(Flare)                               | ø.mm                | 9.52                 |
|                             | Drain                                    | ø.mm                | VP:25 (OD:32, ID:25) |
| <b>Set Size</b>             |  |                     |                      |
| Net Weight                  | kg                                       | 17.0                | 17.0                 |
| Shipping Weight             | kg                                       | 20.0                | 20.0                 |
| Net Dimensions (WxHxD)      | mm                                       | 575x260x575         | 575x260x575          |
| Shipping Dimensions (WxHxD) | mm                                       | 660x310x635         | 660x310x635          |
| <b>Accessories</b>          |  |                     |                      |
| Panel                       | -  | PMSMA               | PMSMA                |
| Filter                      | -  | Built-in            | Built-in             |
| Drain Pump                  | -  | Built-in            | Built-in             |



VIVACE

| MODEL CODE                  | MH026FSEE                                | MH035FEEA           | MH052FUEA            |
|-----------------------------|--|---------------------|----------------------|
| POWER SOURCE (ø / V / Hz)   | 1/220-240/50                             | 1/220-240/50        | 1/220-240/50         |
| MODE                        | HP                                       | HP                  | HP                   |
| <b>Performance</b>          |  |                     |                      |
| Cooling                     | kW                                       | 2.6                 | 5.2                  |
|                             | Btu/h                                    | 8,800               | 17,742               |
| Heating                     | kW                                       | 2.9                 | 5.6                  |
|                             | Btu/h                                    | 9,800               | 19,107               |
| Sound Level(High/Low)       | dBA                                      | 31/26               | 32/27                |
| <b>Power</b>                |  |                     |                      |
| Fan                         | Type                                     | Sirocco Fan         | Sirocco Fan          |
|                             | Airflow Rate (Cool/Heat)                 | m <sup>3</sup> /min | 8.6/9.0              |
|                             | External Static Pressure (Standard/High) | mmAq                | 2/4                  |
| Running Current             | Cooling/Heating                          | A                   | 0.4/0.4              |
| Power Input                 | Cooling/Heating                          | W                   | 80/80                |
| <b>Piping</b>               |  |                     |                      |
| Connecting Pipe             | Liquid(Flare)                            | ø.mm                | 6.35                 |
|                             | Gas(Flare)                               | ø.mm                | 9.52                 |
|                             | Drain                                    | ø.mm                | VP:25 (OD:32, ID:25) |
| <b>Set Size</b>             |  |                     |                      |
| Net Weight                  | kg                                       | 26.0                | 29.5                 |
| Shipping Weight             | kg                                       | 31.0                | 34.5                 |
| Net Dimensions (WxHxD)      | mm                                       | 900x199x600         | 900x260x480          |
| Shipping Dimensions (WxHxD) | mm                                       | 1,133x333x722       | 1,146x363x584        |
| <b>Accessories</b>          |  |                     |                      |
| Panel                       | -  | -                   | -                    |
| Filter                      | -  | Option(MF-E0EF)     | Option(MF-E0EF)      |
| Drain Pump                  | -  | MDP-E075SEE         | MSP-M075SGU3         |

**Notes**

- \*1) Mode: HP: Heat Pump, HR: Heat Recovery
- \*2) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- \*5) Due to ongoing improvement on products, specifications may change without prior notice.

# Pack Multi Split (Forte Type)



| MODEL NO.                           | Outdoor Unit                      |                     | MH18VF1X      | MH19VF1X      |
|-------------------------------------|-----------------------------------|---------------------|---------------|---------------|
|                                     | Indoor Unit                       |                     | MH18VF1-09    | MH19VF1-07    |
| <b>Performance</b>                  |                                   |                     |               |               |
| Capacity(Cooling/Heating)           | 1Unit(A)                          | kW                  | 2.6/2.9       | 2.1/2.4       |
|                                     | 1Unit(B or C)                     | kW                  | 2.6/2.9       | 3.5/3.8       |
| Energy Efficiency                   | 2Unit(A+(B or C))                 | kW                  | 3.9/4.4       | 3.9/4.4       |
|                                     | 1Unit(A)                          | EER (Btu/W)         | 3.470         | 3.890         |
|                                     |                                   | COP (W/W)           | 3.440         | 3.000         |
|                                     | 1Unit(B or C)                     | EER (Btu/W)         | 3.470         | 3.020         |
|                                     |                                   | COP (W/W)           | 3.440         | 3.280         |
|                                     | 2Unit(A+(B or C))                 | EER (Btu/W)         | 3.360         | 3.360         |
| Moisture Removal                    |                                   | COP (W/W)           | 3.790         | 3.790         |
|                                     |                                   | l /hr               | 1.6           | 1.6           |
| Air Circulation (Max)               | 1Unit(A)                          | m <sup>3</sup> /min | 8.3           | 7.73          |
|                                     | 1Unit(B or C)                     | m <sup>3</sup> /min | 8.3           | 9.5           |
| Noise Level                         | Indoor (A-Unit)                   | dB(A)               | 43            | 43            |
|                                     | Indoor (B-Unit or C-Unit)         | dB(A)               | 43            | 43            |
|                                     | Outdoor Unit                      | dB(A)               | 51/52         | 51/52         |
| <b>Electrical Data</b>              |                                   |                     |               |               |
| Power Consumption                   |                                   | V/Hz/Ø              | 220-240/50/1  | 220-240/50/1  |
| Operating Current                   | 1Unit(A)                          | W                   | 750/900       | 540/800       |
|                                     | 1Unit(B or C)                     | W                   | 750/900       | 1,160/1,160   |
| Dimension & Loading Q'ty            | 2Unit(A+(B or C))                 | W                   | 1,160/1,160   | 1,160/1,160   |
|                                     | 1Unit(A)                          | A                   | 3.4/4.1       | 2.5/3.7       |
|                                     | 1Unit(B or C)                     | A                   | 3.4/4.1       | 5.3/5.3       |
|                                     | 2Unit(A+(B or C))                 | A                   | 5.3/5.3       | 5.3/5.3       |
| <b>Dimension &amp; Loading Q'ty</b> |                                   |                     |               |               |
| Net Dimension (WxHxD)               | Indoor (A-Unit)                   | mm                  | 825x285x189   | 825x285x189   |
|                                     | Indoor (B-Unit or C-Unit)         | mm                  | 825x285x189   | 825x285x189   |
|                                     | Outdoor Unit                      | mm                  | 548x790x285   | 548x790x285   |
| Net Weight                          | Indoor(A-Unit)                    | kg                  | 8.4           | 8.4           |
|                                     | Indoor(B-Unit or C-Unit)          | kg                  | 8.4           | 8.4           |
|                                     | Outdoor Unit                      | kg                  | 41            | 41            |
| Shipping Weight                     | Indoor(A-Unit)                    | kg                  | 10.6          | 10.6          |
|                                     | Indoor(B-Unit or C-Unit)          | kg                  | 10.6          | 10.6          |
|                                     | Outdoor Unit                      | kg                  | 44            | 44            |
| Loading Q'ty                        | W/O Pipe                          |                     | 153           | 153           |
|                                     | W/Pipe                            |                     | -             | -             |
| <b>Technical Information</b>        |                                   |                     |               |               |
| SVC Valve                           | Liquid(A)                         | ODxL                | Ø 6.35mmx7.5m | Ø 6.35mmx7.5m |
|                                     | Gas(A)                            | ODxL                | Ø 9.52mmx7.5m | Ø 9.52mmx7.5m |
|                                     | Liquid(B or C)                    | ODxL                | Ø 6.35mmx7.5m | Ø 6.35mmx7.5m |
|                                     | Gas(B or C)                       | ODxL                | Ø 9.52mmx7.5m | Ø 9.52mmx7.5m |
| Piping Length                       | STD                               | m                   | 7.5           | 7.5           |
|                                     | Max                               | m                   | 30            | 30            |
| Piping Height                       | Max                               | m                   | 7.5           | 7.5           |
| Refrigerant                         |                                   | G                   | 1,300         | 1,300         |
| Add Refrigerant                     |                                   | g/m                 | 10            | 10            |
| <b>Features</b>                     |                                   |                     |               |               |
| Good Sleep II                       |                                   |                     | •             | •             |
| Silver Coated Health System         | Silver Coated Filter              |                     | •             | •             |
|                                     | Silver Coated Evaporator          |                     | •             | •             |
| Pure and Clean Air                  | DNA Filter                        |                     | -             | -             |
|                                     | Pure Filter(HAF Filter)           |                     | -             | -             |
|                                     | Catechin Filter                   |                     | •             | •             |
|                                     | Deodorizing Filter                |                     | •             | •             |
| Operating Mode                      | Digital i Plus                    |                     | -             | -             |
|                                     | Dehumidification                  |                     | •             | •             |
|                                     | Turbo Mode                        |                     | •             | •             |
|                                     | Timer                             |                     | •             | •             |
|                                     | Energy Saving Mode                |                     | -             | -             |
|                                     | Auto Restart                      |                     | •             | •             |
| Convenience                         | Auto Changeover                   |                     | -             | -             |
|                                     | Auto Wind                         |                     | •             | •             |
|                                     | Airflow Control Steps(Cool/Fan)   |                     | 4/3           | 4/3           |
|                                     | Air Direction Control(Up/Down)    |                     | AUTO          | AUTO          |
|                                     | Air Direction Control(Left/Right) |                     | MANUAL        | MANUAL        |
|                                     | Auto Grille                       |                     | -             | -             |
|                                     | Remote Controller                 |                     | •             | •             |
|                                     | Auto Clean(Self cleaning)         |                     | -             | -             |
| Etc.                                | Compressor Type                   |                     | Rotary(BLDC)  | Rotary(BLDC)  |
| Low Ambient                         | Cooling                           | °C                  | -5~43         | -5~43         |
|                                     | Heating                           | °C                  | -15~24        | -15~24        |

# Capacity Combination Table

## MH040FXEA2B (Cooling)

| Number of Unit                         | Indoor Unit Combination |      |   |      |      |       | Cooling Capacity(W) |      |   |      |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | EER  | EG |
|--|-------------------------|------|---|------|------|-------|---------------------|------|---|------|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|  | A                       | B    | C | D    | %    | Total | A                   | B    | C | D    | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit                                 | 2000                    | -    | - | -    | 51%  | 2000  | 2100                | 0    | 0 | 0    | 2100  | 1280     | 2100   | 2520    | 400               | 540    | 630    | 2.2     | 2.5    | 2.9    | 3.89 | A  |
|  | 2600                    | -    | - | -    | 67%  | 2600  | 2600                | 0    | 0 | 0    | 2600  | 1280     | 2600   | 3120    | 400               | 750    | 880    | 2.2     | 3.4    | 4      | 3.47 | A  |
|  | 3500                    | -    | - | -    | 90%  | 3500  | 3500                | 0    | 0 | 0    | 3500  | 1300     | 3500   | 4200    | 400               | 1160   | 1240   | 2.2     | 5.3    | 5.7    | 3.02 | B  |
| 2 Unit                                 | 2000                    | 2000 | - | -    | 103% | 4000  | 1950                | 1950 | 0 | 0    | 3900  | 1350     | 3900   | 4200    | 420               | 1160   | 1250   | 2.3     | 5.3    | 5.7    | 3.36 | A  |
|  | 2000                    | 2600 | - | -    | 118% | 4600  | 1700                | 2200 | 0 | 0    | 3900  | 1500     | 3900   | 4200    | 420               | 1140   | 1250   | 2.3     | 5.2    | 5.7    | 3.42 | A  |
|  | 2000                    | 3500 | - | -    | 141% | 5500  | 1420                | 2480 | 0 | 0    | 3900  | 1500     | 3900   | 4200    | 440               | 1160   | 1250   | 2.4     | 5.3    | 5.7    | 3.36 | A  |
|  | 2600                    | 2600 | - | -    | 133% | 5200  | 1950                | 1950 | 0 | 0    | 3900  | 1500     | 3900   | 4200    | 440               | 1160   | 1250   | 2.4     | 5.3    | 5.7    | 3.36 | A  |
| 2600                                   | 3500                    | -    | - | 156% | 6100 | 1660  | 2240                | 0    | 0 | 3900 | 1500  | 3900     | 4200   | 440     | 1140              | 1250   | 2.4    | 5.2     | 5.7    | 3.42   | A    |    |
| <b>Multi Split (Wall Mounted Type)</b> |                         |      |   |      |      |       |                     |      |   |      |       |          |        |         |                   |        |        |         |        |        |      |    |
| 2 Unit                                 | 2000                    | 3500 | - | -    | 141% | 5500  | 1418                | 2482 | 0 | 0    | 3900  | 1500     | 3900   | 4200    | 440               | 1160   | 1250   | 2.4     | 5.3    | 5.7    | 3.36 | A  |
|  | 2600                    | 2600 | - | -    | 133% | 5200  | 1950                | 1950 | 0 | 0    | 3900  | 1500     | 3900   | 4200    | 440               | 1160   | 1250   | 2.4     | 5.3    | 5.7    | 3.36 | A  |

## (Heating)

| Number of Unit                         | Indoor Unit Combination |      |   |   |      |       | Cooling Capacity(W) |      |   |   |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | COP  | EG |
|--|-------------------------|------|---|---|------|-------|---------------------|------|---|---|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|  | A                       | B    | C | D | %    | Total | A                   | B    | C | D | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit                                 | 2200                    | -    | - | - | 50%  | 2200  | 2400                | 0    | 0 | 0 | 2400  | 1300     | 2400   | 2990    | 280               | 800    | 910    | 1.5     | 3.7    | 4.2    | 3.00 | D  |
|  | 2900                    | -    | - | - | 66%  | 2900  | 3100                | 0    | 0 | 0 | 3100  | 1300     | 3100   | 3450    | 280               | 900    | 1080   | 1.5     | 4.1    | 4.9    | 3.44 | B  |
|  | 3800                    | -    | - | - | 86%  | 3800  | 3800                | 0    | 0 | 0 | 3800  | 1300     | 3800   | 4370    | 280               | 1160   | 1420   | 1.5     | 5.3    | 6.5    | 3.28 | C  |
| 2 Unit                                 | 2200                    | 2200 | - | - | 100% | 4400  | 2200                | 2200 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1160   | 1390   | 1.6     | 5.3    | 6.4    | 3.79 | A  |
|  | 2200                    | 2900 | - | - | 116% | 5100  | 1900                | 2500 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1160   | 1420   | 1.6     | 5.3    | 6.5    | 3.79 | A  |
|  | 2200                    | 3800 | - | - | 136% | 6000  | 1610                | 2790 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1160   | 1490   | 1.6     | 5.3    | 6.8    | 3.79 | A  |
|  | 2900                    | 2900 | - | - | 132% | 5800  | 2200                | 2200 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1160   | 1490   | 1.6     | 5.3    | 6.8    | 3.79 | A  |
|  | 2900                    | 3800 | - | - | 152% | 6700  | 1900                | 2500 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1120   | 1490   | 1.6     | 5.1    | 6.8    | 3.93 | A  |
| <b>Multi Split (Wall Mounted Type)</b> |                         |      |   |   |      |       |                     |      |   |   |       |          |        |         |                   |        |        |         |        |        |      |    |
| 2 Unit                                 | 2200                    | 3800 | - | - | 136% | 6000  | 1613                | 2787 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1160   | 1490   | 1.6     | 5.3    | 6.8    | 3.79 | A  |
|  | 2900                    | 2900 | - | - | 132% | 5800  | 2200                | 2200 | 0 | 0 | 4400  | 1500     | 4400   | 4700    | 300               | 1160   | 1490   | 1.6     | 5.3    | 6.8    | 3.79 | A  |

## MH050FXEA2B (Cooling)

| Number of Unit | Indoor Unit Combination |      |   |   |      |       | Cooling Capacity(W) |      |   |   |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | EER  | EG |
|----------------|-------------------------|------|---|---|------|-------|---------------------|------|---|---|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|                | A                       | B    | C | D | %    | Total | A                   | B    | C | D | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit         | 2000                    | -    | - | - | 40%  | 2000  | 2400                | 0    | 0 | 0 | 2400  | 1280     | 2400   | 2880    | 400               | 730    | 880    | 1.9     | 3.3    | 4      | 3.29 | A  |
|                | 2600                    | -    | - | - | 52%  | 2600  | 2600                | 0    | 0 | 0 | 2600  | 1280     | 2600   | 3120    | 400               | 800    | 960    | 1.9     | 3.7    | 4.4    | 3.25 | A  |
|                | 3500                    | -    | - | - | 70%  | 3500  | 3500                | 0    | 0 | 0 | 3500  | 1280     | 3500   | 4200    | 400               | 1090   | 1310   | 1.9     | 5      | 6      | 3.21 | A  |
|                | 5200                    | -    | - | - | 104% | 5200  | 5000                | 0    | 0 | 0 | 5000  | 1300     | 5000   | 5200    | 400               | 1660   | 1740   | 1.9     | 7.6    | 8      | 3.01 | B  |
| 2 Unit         | 2000                    | 2000 | - | - | 80%  | 4000  | 2000                | 2000 | 0 | 0 | 4000  | 1350     | 4000   | 4800    | 420               | 1245   | 1490   | 2       | 5.7    | 6.8    | 3.21 | A  |
|                | 2000                    | 2600 | - | - | 92%  | 4600  | 2000                | 2600 | 0 | 0 | 4600  | 1350     | 4600   | 5200    | 420               | 1430   | 1720   | 2       | 6.5    | 7.9    | 3.22 | A  |
|                | 2000                    | 3500 | - | - | 110% | 5500  | 1820                | 3180 | 0 | 0 | 5000  | 1350     | 5000   | 5400    | 420               | 1490   | 1780   | 2       | 6.8    | 8.1    | 3.36 | A  |
|                | 2000                    | 5200 | - | - | 144% | 7200  | 1390                | 3610 | 0 | 0 | 5000  | 1500     | 5000   | 5400    | 440               | 1380   | 1800   | 2.1     | 6.3    | 8.2    | 3.62 | A  |
|                | 2600                    | 2600 | - | - | 104% | 5200  | 2500                | 2500 | 0 | 0 | 5000  | 1500     | 5000   | 5400    | 440               | 1500   | 1780   | 2.1     | 6.9    | 8.1    | 3.33 | A  |
|                | 2600                    | 3500 | - | - | 122% | 6100  | 2130                | 2870 | 0 | 0 | 5000  | 1500     | 5000   | 5400    | 440               | 1500   | 1780   | 2.1     | 6.9    | 8.1    | 3.33 | A  |
|                | 2600                    | 5200 | - | - | 156% | 7800  | 1670                | 3330 | 0 | 0 | 5000  | 1500     | 5000   | 5400    | 440               | 1330   | 1800   | 2.1     | 6.1    | 8.2    | 3.76 | A  |
|                | 3500                    | 3500 | - | - | 140% | 7000  | 2500                | 2500 | 0 | 0 | 5000  | 1500     | 5000   | 5400    | 440               | 1500   | 1780   | 2.1     | 6.9    | 8.1    | 3.33 | A  |

## (Heating)

| Number of Unit | Indoor Unit Combination |      |   |   |      |       | Cooling Capacity(W) |      |   |   |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | COP  | EG |
|----------------|-------------------------|------|---|---|------|-------|---------------------|------|---|---|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|                | A                       | B    | C | D | %    | Total | A                   | B    | C | D | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit         | 2200                    | -    | - | - | 39%  | 2200  | 2500                | 0    | 0 | 0 | 2500  | 1300     | 2500   | 2990    | 320               | 880    | 1010   | 1.7     | 4      | 4.6    | 2.84 | D  |
|                | 2900                    | -    | - | - | 51%  | 2900  | 2900                | 0    | 0 | 0 | 2900  | 1300     | 2900   | 3340    | 320               | 1030   | 1290   | 1.7     | 4.7    | 5.9    | 2.82 | D  |
|                | 3800                    | -    | - | - | 67%  | 3800  | 3800                | 0    | 0 | 0 | 3800  | 1300     | 3800   | 4370    | 320               | 1300   | 1620   | 1.7     | 5.9    | 7.4    | 2.92 | D  |
|                | 5600                    | -    | - | - | 98%  | 5600  | 5400                | 0    | 0 | 0 | 5400  | 1450     | 5400   | 5600    | 340               | 1810   | 2060   | 1.8     | 8.3    | 9.4    | 2.98 | D  |
| 2 Unit         | 2200                    | 2200 | - | - | 77%  | 4400  | 2200                | 2200 | 0 | 0 | 4400  | 1450     | 4400   | 4750    | 350               | 1220   | 1390   | 1.9     | 5.6    | 6.4    | 3.61 | A  |
|                | 2200                    | 2900 | - | - | 89%  | 5100  | 2200                | 2900 | 0 | 0 | 5100  | 1450     | 5100   | 5460    | 350               | 1410   | 1610   | 1.9     | 6.5    | 7.4    | 3.62 | A  |
|                | 2200                    | 3800 | - | - | 105% | 6000  | 2090                | 3610 | 0 | 0 | 5700  | 1500     | 5700   | 6300    | 350               | 1520   | 1950   | 1.9     | 7      | 8.9    | 3.75 | A  |
|                | 2200                    | 5600 | - | - | 137% | 7800  | 1610                | 4090 | 0 | 0 | 5700  | 1500     | 5700   | 6400    | 350               | 1440   | 1830   | 1.9     | 6.6    | 8.4    | 3.96 | A  |
|                | 2900                    | 2900 | - | - | 102% | 5800  | 2850                | 2850 | 0 | 0 | 5700  | 1500     | 5700   | 6300    | 350               | 1550   | 2060   | 1.9     | 7.1    | 9.4    | 3.68 | A  |
|                | 2900                    | 3800 | - | - | 118% | 6700  | 2470                | 3230 | 0 | 0 | 5700  | 1500     | 5700   | 6300    | 350               | 1480   | 1940   | 1.9     | 6.8    | 8.9    | 3.85 | A  |
|                | 2900                    | 5600 | - | - | 149% | 8500  | 1940                | 3760 | 0 | 0 | 5700  | 1500     | 5700   | 6400    | 350               | 1400   | 1830   | 1.9     | 6.4    | 8.4    | 4.07 | A  |
|                | 3800                    | 3800 | - | - | 133% | 7600  | 2850                | 2850 | 0 | 0 | 5700  | 1500     | 5700   | 6300    | 350               | 1470   | 1890   | 1.9     | 6.7    | 8.6    | 3.88 | A  |

### Notes

Due to ongoing improvement on products, specifications may change without prior notice.

## MH060FXEA3B (Cooling)

| Number of Unit | Indoor Unit Combination |      |   |   |      |       | Cooling Capacity(W) |      |   |   |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | EER  | EG |
|----------------|-------------------------|------|---|---|------|-------|---------------------|------|---|---|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|                | A                       | B    | C | D | %    | Total | A                   | B    | C | D | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit         | 2000                    | -    | - | - | 34%  | 2000  | 2400                | 0    | 0 | 0 | 2400  | 1280     | 2400   | 2880    | 400               | 730    | 930    | 2.2     | 3.3    | 4.3    | 3.29 | A  |
|                | 2600                    | -    | - | - | 44%  | 2600  | 2600                | 0    | 0 | 0 | 2600  | 1280     | 2600   | 3120    | 400               | 790    | 1010   | 2.2     | 3.6    | 4.6    | 3.29 | A  |
|                | 3500                    | -    | - | - | 59%  | 3500  | 3500                | 0    | 0 | 0 | 3500  | 1280     | 3500   | 4200    | 400               | 1070   | 1370   | 2.2     | 4.9    | 6.3    | 3.27 | A  |
|                | 5200                    | -    | - | - | 88%  | 5200  | 5200                | 0    | 0 | 0 | 5200  | 1300     | 5200   | 5800    | 400               | 1620   | 1900   | 2.2     | 7.4    | 8.7    | 3.21 | A  |
| 2 Unit         | 2000                    | 2000 | - | - | 68%  | 4000  | 2000                | 2000 | 0 | 0 | 4000  | 1300     | 4000   | 4800    | 420               | 1240   | 1480   | 2.3     | 5.7    | 6.8    | 3.23 | A  |
|                | 2000                    | 2600 | - | - | 78%  | 4600  | 2000                | 2600 | 0 | 0 | 4600  | 1300     | 4600   | 5520    | 420               | 1410   | 1680   | 2.3     | 6.5    | 7.7    | 3.26 | A  |
|                | 2000                    | 3500 | - | - | 93%  | 5500  | 1910                | 3340 | 0 | 0 | 5250  | 1300     | 5250   | 6290    | 430               | 1550   | 1820   | 2.3     | 7.1    | 8.3    | 3.39 | A  |
|                | 2000                    | 5200 | - | - | 122% | 7200  |                     |      |   |   |       |          |        |         |                   |        |        |         |        |        |      |    |



# Capacity Combination Table

MH070FXEA4B (Cooling)

| Number of Unit | Indoor Unit Combination |      |      |      |      |       | Cooling Capacity(W) |      |      |      |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | EER  | EG   |
|----------------|-------------------------|------|------|------|------|-------|---------------------|------|------|------|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|------|
|                | A                       | B    | C    | D    | %    | Total | A                   | B    | C    | D    | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |      |
| 1 Unit         | 2000                    | -    | -    | -    | 29%  | 2000  | 2400                | 0    | 0    | 0    | 2400  | 1350     | 2400   | 3000    | 380               | 780    | 950    | 1.7     | 3.6    | 4.3    | 3.08 | B    |
|                | 2600                    | -    | -    | -    | 37%  | 2600  | 2600                | 0    | 0    | 0    | 2600  | 1350     | 2600   | 3480    | 390               | 840    | 1100   | 1.8     | 3.8    | 5      | 3.10 | B    |
|                | 3500                    | -    | -    | -    | 50%  | 3500  | 3500                | 0    | 0    | 0    | 3500  | 1350     | 3500   | 4200    | 400               | 1130   | 1580   | 1.8     | 5.2    | 7.2    | 3.10 | B    |
|                | 5200                    | -    | -    | -    | 74%  | 5200  | 5200                | 0    | 0    | 0    | 5200  | 1400     | 5200   | 6240    | 420               | 1520   | 2160   | 1.9     | 7      | 9.9    | 3.42 | A    |
| 2 Unit         | 2000                    | 2000 | -    | -    | 57%  | 4000  | 2000                | 2000 | 0    | 0    | 4000  | 1500     | 4000   | 4800    | 410               | 1240   | 1490   | 1.9     | 5.7    | 6.8    | 3.23 | A    |
|                | 2000                    | 2600 | -    | -    | 66%  | 4600  | 2000                | 2600 | 0    | 0    | 4600  | 1690     | 4600   | 5520    | 420               | 1430   | 1720   | 1.9     | 6.5    | 7.9    | 3.22 | A    |
|                | 2000                    | 3500 | -    | -    | 79%  | 5500  | 2000                | 3500 | 0    | 0    | 5500  | 1770     | 5500   | 6600    | 430               | 1710   | 2050   | 2       | 7.8    | 9.4    | 3.22 | A    |
|                | 2000                    | 5200 | -    | -    | 103% | 7200  | 1940                | 5060 | 0    | 0    | 7000  | 1900     | 7000   | 8400    | 580               | 2180   | 2520   | 2.7     | 10     | 11.5   | 3.21 | A    |
|                | 2600                    | 2600 | -    | -    | 74%  | 5200  | 2600                | 2600 | 0    | 0    | 5200  | 1750     | 5200   | 6240    | 420               | 1660   | 2000   | 1.9     | 7.6    | 9.2    | 3.13 | B    |
|                | 2600                    | 3500 | -    | -    | 87%  | 6100  | 2600                | 3500 | 0    | 0    | 6100  | 1820     | 6100   | 7320    | 440               | 1880   | 2260   | 2       | 8.6    | 10.3   | 3.24 | A    |
|                | 2600                    | 5200 | -    | -    | 111% | 7800  | 2330                | 4670 | 0    | 0    | 7000  | 1900     | 7000   | 8400    | 580               | 2130   | 2540   | 2.7     | 9.7    | 11.6   | 3.29 | A    |
|                | 3500                    | 3500 | -    | -    | 100% | 7000  | 3500                | 3500 | 0    | 0    | 7000  | 1900     | 7000   | 8400    | 580               | 2120   | 2530   | 2.7     | 9.7    | 11.6   | 3.30 | A    |
|                | 3500                    | 5200 | -    | -    | 124% | 8700  | 2820                | 4180 | 0    | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 2110   | 2540   | 2.7     | 9.7    | 11.6   | 3.32 | A    |
|                | 5200                    | 5200 | -    | -    | 149% | 10400 | 3500                | 3500 | 0    | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 2000   | 2540   | 2.7     | 9.2    | 11.6   | 3.50 | A    |
| 3 Unit         | 2000                    | 2000 | 2000 | -    | 86%  | 6000  | 2000                | 2000 | 2000 | 0    | 6000  | 1810     | 6000   | 7200    | 440               | 1800   | 2280   | 2       | 8.2    | 10.4   | 3.33 | A    |
|                | 2000                    | 2000 | 2600 | -    | 94%  | 6600  | 2000                | 2000 | 2600 | 0    | 6600  | 1870     | 6600   | 7920    | 440               | 1830   | 2460   | 2       | 8.4    | 11.3   | 3.61 | A    |
|                | 2000                    | 2000 | 3500 | -    | 107% | 7500  | 1780                | 1780 | 3120 | 0    | 6680  | 1900     | 6680   | 8020    | 580               | 1835   | 2410   | 2.7     | 8.4    | 11     | 3.64 | A    |
|                | 2000                    | 2000 | 5200 | -    | 131% | 9200  | 1520                | 1520 | 3960 | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 1850   | 2460   | 2.7     | 8.5    | 11.3   | 3.78 | A    |
|                | 2000                    | 2600 | 2600 | -    | 103% | 7200  | 1850                | 2400 | 2400 | 0    | 6650  | 1900     | 6650   | 7980    | 580               | 1830   | 2410   | 2.7     | 8.4    | 11     | 3.63 | A    |
|                | 2000                    | 2600 | 3500 | -    | 116% | 8100  | 1670                | 2160 | 2910 | 0    | 6740  | 1900     | 6740   | 8080    | 580               | 1840   | 2460   | 2.7     | 8.4    | 11.3   | 3.66 | A    |
|                | 2000                    | 2600 | 5200 | -    | 140% | 9800  | 1430                | 1860 | 3710 | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 1880   | 2460   | 2.7     | 8.6    | 11.3   | 3.72 | A    |
|                | 2000                    | 3500 | 3500 | -    | 129% | 9000  | 1520                | 2650 | 2650 | 0    | 6820  | 1900     | 6820   | 8180    | 580               | 1850   | 2510   | 2.7     | 8.5    | 11.5   | 3.69 | A    |
|                | 2000                    | 3500 | 5200 | -    | 153% | 10700 | 1310                | 2290 | 3400 | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 1930   | 2510   | 2.7     | 8.8    | 11.5   | 3.63 | A    |
|                | 2600                    | 2600 | 2600 | -    | 111% | 7800  | 2240                | 2240 | 2240 | 0    | 6720  | 1900     | 6720   | 8050    | 580               | 1840   | 2420   | 2.7     | 8.4    | 11.1   | 3.65 | A    |
|                | 2600                    | 2600 | 3500 | -    | 124% | 8700  | 2030                | 2030 | 2730 | 0    | 6790  | 1900     | 6790   | 8150    | 580               | 1850   | 2460   | 2.7     | 8.5    | 11.3   | 3.67 | A    |
|                | 2600                    | 2600 | 5200 | -    | 149% | 10400 | 1750                | 1750 | 3500 | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 1880   | 2510   | 2.7     | 8.6    | 11.5   | 3.72 | A    |
|                | 2600                    | 3500 | 3500 | -    | 137% | 9600  | 1900                | 2550 | 2550 | 0    | 7000  | 1900     | 7000   | 8900    | 580               | 1880   | 2460   | 2.7     | 8.6    | 11.3   | 3.72 | A    |
|                | 3500                    | 3500 | 3500 | -    | 150% | 10500 | 2330                | 2330 | 2330 | 0    | 6990  | 1900     | 6990   | 8900    | 580               | 1900   | 2510   | 2.7     | 8.7    | 11.5   | 3.68 | A    |
|                | 4 Unit                  | 2000 | 2000 | 2000 | 2000 | 114%  | 8000                | 1680 | 1680 | 1680 | 6720  | 1900     | 6720   | 8070    | 580               | 1850   | 2460   | 2.7     | 8.5    | 11.3   | 3.63 | A    |
|                |                         | 2000 | 2000 | 2000 | 2600 | 123%  | 8600                | 1580 | 1580 | 1580 | 2040  | 6780     | 1900   | 6780    | 8140              | 580    | 1880   | 2460    | 2.7    | 8.6    | 11.3 | 3.61 |
| 2000           |                         | 2000 | 2000 | 3500 | 136% | 9500  | 1470                | 1470 | 1470 | 2590 | 7000  | 1900     | 7000   | 8900    | 580               | 1900   | 2460   | 2.7     | 8.7    | 11.3   | 3.68 | A    |
| 2000           |                         | 2000 | 2600 | 2600 | 131% | 9200  | 1520                | 1520 | 1980 | 1980 | 7000  | 1900     | 7000   | 8900    | 580               | 1880   | 2460   | 2.7     | 8.6    | 11.3   | 3.72 | A    |
| 2000           |                         | 2000 | 2600 | 3500 | 144% | 10100 | 1390                | 1390 | 1800 | 2420 | 7000  | 1900     | 7000   | 8900    | 580               | 1900   | 2510   | 2.7     | 8.7    | 11.5   | 3.68 | A    |
| 2000           |                         | 2600 | 2600 | 2600 | 140% | 9800  | 1420                | 1860 | 1860 | 1860 | 7000  | 1900     | 7000   | 8900    | 580               | 1900   | 2460   | 2.7     | 8.7    | 11.3   | 3.68 | A    |
| 2000           |                         | 2600 | 2600 | 3500 | 153% | 10700 | 1310                | 1700 | 1700 | 2290 | 7000  | 1900     | 7000   | 8900    | 580               | 1930   | 2550   | 2.7     | 8.8    | 11.7   | 3.63 | A    |
| 2600           |                         | 2600 | 2600 | 2600 | 149% | 10400 | 1750                | 1750 | 1750 | 1750 | 7000  | 1900     | 7000   | 8900    | 580               | 1900   | 2550   | 2.7     | 8.7    | 11.7   | 3.68 | A    |

**Notes**

Due to ongoing improvement on products, specifications may change without prior notice.

MH070FXEA4B (Heating)

| Number of Unit | Indoor Unit Combination |      |      |   |      |       | Cooling Capacity(W) |      |      |   |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | COP  | EG |
|----------------|-------------------------|------|------|---|------|-------|---------------------|------|------|---|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|                | A                       | B    | C    | D | %    | Total | A                   | B    | C    | D | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit         | 2200                    | -    | -    | - | 26%  | 2200  | 2500                | 0    | 0    | 0 | 2500  | 1790     | 2500   | 3220    | 580               | 950    | 1330   | 2.7     | 4.3    | 6.1    | 2.63 | E  |
|                | 2600                    | -    | -    | - | 30%  | 2600  | 2900                | 0    | 0    | 0 | 2900  | 1820     | 2900   | 3680    | 590               | 1100   | 1500   | 2.7     | 5      | 6.9    | 2.64 | E  |
|                | 3800                    | -    | -    | - | 44%  | 3800  | 3800                | 0    | 0    | 0 | 3800  | 1930     | 3800   | 4600    | 600               | 1250   | 1810   | 2.7     | 5.7    | 8.3    | 3.04 | D  |
|                | 5600                    | -    | -    | - | 65%  | 5600  | 5600                | 0    | 0    | 0 | 5600  | 2080     | 5600   | 6440    | 610               | 1670   | 2370   | 2.8     | 7.6    | 10.8   | 3.35 | C  |
| 2 Unit         | 2200                    | 2200 | -    | - | 51%  | 4400  | 2200                | 2200 | 0    | 0 | 4400  | 1980     | 4400   | 5060    | 600               | 1220   | 1530   | 2.7     | 5.6    | 7      | 3.61 | A  |
|                | 2200                    | 2900 | -    | - | 59%  | 5100  | 2200                | 2900 | 0    | 0 | 5100  | 2040     | 5100   | 5870    | 610               | 1410   | 1700   | 2.8     | 6.5    | 7.8    | 3.62 | A  |
|                | 2200                    | 3800 | -    | - | 70%  | 6000  | 2200                | 3800 | 0    | 0 | 6000  | 2110     | 6000   | 6900    | 610               | 1760   | 2110   | 2.8     | 8.1    | 9.7    | 3.41 | B  |
|                | 2200                    | 5600 | -    | - | 91%  | 7800  | 2200                | 5600 | 0    | 0 | 7800  | 2200     | 7800   | 9130    | 620               | 2150   | 2700   | 2.8     | 9.8    | 12.4   | 3.63 | A  |
|                | 2900                    | 2900 | -    | - | 67%  | 5800  | 2900                | 2900 | 0    | 0 | 5800  | 2100     | 5800   | 6670    | 610               | 1600   | 1930   | 2.8     | 7.3    | 8.8    | 3.63 | A  |
|                | 2900                    | 3800 | -    | - | 78%  | 6700  | 2900                | 3800 | 0    | 0 | 6700  | 2170     | 6700   | 8040    | 610               | 1940   | 2330   | 2.8     | 8.9    | 10.7   | 3.45 | B  |
|                | 2900                    | 5600 | -    | - | 99%  | 8500  | 2730                | 5270 | 0    | 0 | 8000  | 2200     | 8000   | 9600    | 620               | 2210   | 2650   | 2.8     | 10.1   | 12.1   | 3.62 | A  |
|                | 3800                    | 3800 | -    | - | 88%  | 7600  | 3800                | 3800 | 0    | 0 | 7600  | 2200     | 7600   | 9120    | 620               | 2100   | 2510   | 2.8     | 9.6    | 11.5   | 3.62 | A  |
|                | 3800                    | 5600 | -    | - | 109% | 9400  | 3280                | 4840 | 0    | 0 | 8120  | 2200     | 8120   | 9740    | 620               | 2250   | 2700   | 2.8     | 10.3   | 12.4   | 3.61 | A  |
|                | 5600                    | 5600 | -    | - | 130% | 11200 | 4250                | 4250 | 0    | 0 | 8500  | 2200     | 8500   | 10200   | 620               | 2250   | 2740   | 2.8     | 10.3   | 12.5   | 3.78 | A  |
| 3 Unit         | 2200                    | 2200 | 2200 | - | 77%  | 6600  | 2200                | 2200 | 2200 | 0 | 6600  | 2170     | 6600   | 7590    | 610               | 1830   | 2530   | 2.8     | 8.4    | 11.6   | 3.61 | A  |
|                | 2200                    | 2200 | 2900 | - | 85%  | 7300  | 2200                | 2200 | 2900 | 0 | 7300  | 2200     | 7300   | 8400    | 620               | 1880   | 2590   | 2.8     | 8.6    | 11.9   | 3.88 | A  |
|                | 2200                    | 2200 | 3800 | - | 95%  | 8200  | 2200                | 2200 | 3800 | 0 | 8200  | 2200     | 8200   | 9590    | 620               | 1930   | 2660   | 2.8     | 8.8    | 12.2   | 4.25 | A  |
|                | 2200                    | 2200 | 5600 | - | 116% | 10000 | 1890                | 1890 | 4820 | 0 | 8600  | 2200     | 8600   | 10300   | 620               | 1960   | 2700   | 2.8     | 9      | 12.4   | 4.39 | A  |
|                | 2200                    | 2900 | 2900 | - | 93%  | 8000  | 2200                | 2900 | 2900 | 0 | 8000  | 2200     | 8000   | 9360    | 620               | 1900   | 2620   | 2.8     | 8.7    | 12     | 4.21 | A  |
|                | 2200                    | 2900 | 3800 | - | 103% | 8900  | 2040                | 2690 | 3530 | 0 | 8260  | 2200     | 8260   | 9670    | 620               | 1930   | 2660   | 2.8     | 8.8    | 12.2   | 4.28 | A  |
|                | 2200                    | 2900 | 5600 | - | 124% | 10700 | 1770                | 2330 | 4500 | 0 | 8600  | 2200     | 8600   | 10300   | 620               | 1970   | 2720   | 2.8     | 9      | 12.4   | 4.37 | A  |
|                | 2200                    | 3800 | 3800 | - | 114% | 9800  | 1880                | 3230 | 3230 | 0 | 8340  | 2200     | 8340   | 9760    | 620               | 1950   | 2690   | 2.8     | 8.9    | 12.3   | 4.28 | A  |
|                | 2200                    | 3800 | 5600 | - | 135% | 11600 | 1630                | 2820 | 4150 | 0 | 8600  | 2200     | 8600   | 10300   | 620               | 2000   | 2760   | 2.8     | 9.2    | 12.6   | 4.30 | A  |
|                | 2900                    | 2900 | 2900 | - | 101% | 8700  | 2750                | 2750 | 2750 | 0 | 8250  | 2200     | 8250   | 9650    | 620               | 1930   | 2660   | 2.8     | 8.8    | 12.2   | 4.27 | A  |
|                | 2900                    | 2900 | 3800 | - | 112% | 9600  | 2515                | 2515 | 3300 | 0 | 8330  | 2200     | 8330   | 9740    | 620               | 1950   | 2690   | 2.8     | 8.9    | 12.3   | 4.27 | A  |
|                | 2900                    | 2900 | 5600 | - | 133% |       |                     |      |      |   |       |          |        |         |                   |        |        |         |        |        |      |    |

# Capacity Combination Table

MH080FXEA4B (Cooling)

| Number of Unit | Indoor Unit Combination |      |      |      |       |       | Cooling Capacity(W) |      |      |      |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | EER  | EG   |
|----------------|-------------------------|------|------|------|-------|-------|---------------------|------|------|------|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|------|
|                | A                       | B    | C    | D    | %     | Total | A                   | B    | C    | D    | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |      |
| 1 Unit         | 2000                    | -    | -    | -    | 25%   | 2000  | 2400                | 0    | 0    | 0    | 2400  | 1470     | 2400   | 3000    | 380               | 780    | 950    | 1.7     | 3.6    | 4.3    | 3.08 | B    |
|                | 2600                    | -    | -    | -    | 33%   | 2600  | 2600                | 0    | 0    | 0    | 2600  | 1520     | 2600   | 3480    | 390               | 840    | 1100   | 1.8     | 3.8    | 5      | 3.10 | B    |
|                | 3500                    | -    | -    | -    | 44%   | 3500  | 3500                | 0    | 0    | 0    | 3500  | 1600     | 3500   | 4200    | 400               | 1130   | 1580   | 1.8     | 5.2    | 7.2    | 3.10 | B    |
|                | 5200                    | -    | -    | -    | 65%   | 5200  | 5200                | 0    | 0    | 0    | 5200  | 1750     | 5200   | 6240    | 420               | 1520   | 2160   | 1.9     | 7      | 9.9    | 3.42 | A    |
| 2 Unit         | 2000                    | 2000 | -    | -    | 50%   | 4000  | 2000                | 2000 | 0    | 0    | 4000  | 1640     | 4000   | 4800    | 410               | 1240   | 1490   | 1.9     | 5.7    | 6.8    | 3.23 | A    |
|                | 2000                    | 2600 | -    | -    | 58%   | 4600  | 2000                | 2600 | 0    | 0    | 4600  | 1690     | 4600   | 5520    | 420               | 1430   | 1720   | 1.9     | 6.5    | 7.9    | 3.22 | A    |
|                | 2000                    | 3500 | -    | -    | 69%   | 5500  | 2000                | 3500 | 0    | 0    | 5500  | 1770     | 5500   | 6600    | 430               | 1710   | 2050   | 2       | 7.8    | 9.4    | 3.22 | A    |
|                | 2000                    | 5200 | -    | -    | 90%   | 7200  | 2000                | 5200 | 0    | 0    | 7200  | 1900     | 7200   | 8640    | 580               | 2240   | 2690   | 2.7     | 10.3   | 12.3   | 3.21 | A    |
|                | 2600                    | 2600 | -    | -    | 65%   | 5200  | 2600                | 2600 | 0    | 0    | 5200  | 1750     | 5200   | 6240    | 420               | 1660   | 2000   | 1.9     | 7.6    | 9.2    | 3.13 | B    |
|                | 2600                    | 3500 | -    | -    | 76%   | 6100  | 2600                | 3500 | 0    | 0    | 6100  | 1820     | 6100   | 7320    | 440               | 1900   | 2260   | 2       | 8.7    | 10.3   | 3.21 | A    |
|                | 2600                    | 5200 | -    | -    | 98%   | 7800  | 2400                | 4800 | 0    | 0    | 7200  | 1900     | 7200   | 8640    | 580               | 2240   | 2690   | 2.7     | 10.3   | 12.3   | 3.21 | A    |
|                | 3500                    | 3500 | -    | -    | 88%   | 7000  | 3500                | 3500 | 0    | 0    | 7000  | 1900     | 7000   | 8400    | 580               | 2180   | 2620   | 2.7     | 10     | 12     | 3.21 | A    |
|                | 3500                    | 5200 | -    | -    | 109%  | 8700  | 2960                | 4390 | 0    | 0    | 7350  | 1900     | 7350   | 8820    | 580               | 2290   | 2750   | 2.7     | 10.5   | 12.6   | 3.21 | A    |
| 5200           | 5200                    | -    | -    | 130% | 10400 | 3830  | 3830                | 0    | 0    | 7660 | 1900  | 7650     | 9180   | 580     | 2380              | 2860   | 2.7    | 10.9    | 13.1   | 3.21   | A    |      |
| 3 Unit         | 2000                    | 2000 | 2000 | -    | 75%   | 6000  | 2000                | 2000 | 2000 | 0    | 6000  | 1810     | 6000   | 7200    | 440               | 1850   | 2310   | 2       | 8.5    | 10.6   | 3.24 | A    |
|                | 2000                    | 2000 | 2600 | -    | 83%   | 6600  | 2000                | 2000 | 2600 | 0    | 6600  | 1870     | 6600   | 7920    | 440               | 2000   | 2500   | 2       | 9.2    | 11.4   | 3.30 | A    |
|                | 2000                    | 2000 | 3500 | -    | 94%   | 7500  | 2000                | 2000 | 3500 | 0    | 7500  | 1900     | 7500   | 9000    | 580               | 2220   | 2780   | 2.7     | 10.2   | 12.7   | 3.38 | A    |
|                | 2000                    | 2000 | 5200 | -    | 115%  | 9200  | 1660                | 1660 | 4320 | 0    | 7640  | 1900     | 7650   | 9180    | 580               | 2190   | 2730   | 2.7     | 10     | 12.5   | 3.49 | A    |
|                | 2000                    | 2600 | 2600 | -    | 90%   | 7200  | 2000                | 2600 | 2600 | 0    | 7200  | 1900     | 7200   | 8640    | 580               | 2150   | 2680   | 2.7     | 9.8    | 12.3   | 3.35 | A    |
|                | 2000                    | 2600 | 3500 | -    | 101%  | 8100  | 1860                | 2420 | 3260 | 0    | 7540  | 1900     | 7550   | 9060    | 580               | 2150   | 2690   | 2.7     | 9.8    | 12.3   | 3.51 | A    |
|                | 2000                    | 2600 | 5200 | -    | 123%  | 9800  | 1570                | 2050 | 4090 | 0    | 7710  | 1900     | 7710   | 9250    | 580               | 2190   | 2730   | 2.7     | 10     | 12.5   | 3.52 | A    |
|                | 2000                    | 3500 | 3500 | -    | 113%  | 9000  | 1700                | 2970 | 2970 | 0    | 7640  | 1900     | 7640   | 9160    | 580               | 2190   | 2730   | 2.7     | 10     | 12.5   | 3.49 | A    |
|                | 2000                    | 3500 | 5200 | -    | 134%  | 10700 | 1500                | 2620 | 3890 | 0    | 8010  | 1900     | 8000   | 9300    | 580               | 2260   | 2820   | 2.7     | 10.3   | 12.9   | 3.54 | A    |
|                | 2600                    | 2600 | 2600 | -    | 98%   | 7800  | 2510                | 2510 | 2510 | 0    | 7530  | 1900     | 7530   | 9030    | 580               | 2110   | 2640   | 2.7     | 9.7    | 12.1   | 3.57 | A    |
|                | 2600                    | 2600 | 3500 | -    | 109%  | 8700  | 2270                | 2270 | 3060 | 0    | 7600  | 1900     | 7610   | 9130    | 580               | 2140   | 2690   | 2.7     | 9.8    | 12.3   | 3.56 | A    |
|                | 2600                    | 2600 | 5200 | -    | 130%  | 10400 | 1940                | 1940 | 3880 | 0    | 7760  | 1900     | 7760   | 9300    | 580               | 2210   | 2780   | 2.7     | 10.1   | 12.7   | 3.51 | A    |
|                | 2600                    | 3500 | 3500 | -    | 120%  | 9600  | 2080                | 2800 | 2800 | 0    | 7680  | 1900     | 7690   | 9230    | 580               | 2180   | 2730   | 2.7     | 10     | 12.5   | 3.53 | A    |
|                | 2600                    | 3500 | 5200 | -    | 141%  | 11300 | 1840                | 2480 | 3680 | 0    | 8000  | 1900     | 8000   | 9300    | 580               | 2260   | 2870   | 2.7     | 10.3   | 13.1   | 3.54 | A    |
|                | 3500                    | 3500 | 3500 | -    | 131%  | 10500 | 2670                | 2670 | 2670 | 0    | 8010  | 1900     | 8000   | 9300    | 580               | 2260   | 2820   | 2.7     | 10.3   | 12.9   | 3.54 | A    |
|                | 3500                    | 3500 | 5200 | -    | 153%  | 12200 | 2300                | 2300 | 3410 | 0    | 8010  | 1900     | 8000   | 9300    | 580               | 2300   | 2910   | 2.7     | 10.5   | 13.3   | 3.48 | A    |
|                | 4 Unit                  | 2000 | 2000 | 2000 | 2000  | 100%  | 8000                | 1890 | 1890 | 1890 | 1890  | 7560     | 1900   | 7550    | 9050              | 580    | 2140   | 2690    | 2.7    | 9.8    | 12.3 | 3.53 |
| 2000           |                         | 2000 | 2000 | 2600 | 108%  | 8600  | 1770                | 1770 | 1770 | 2300 | 7610  | 1900     | 7600   | 9120    | 580               | 2140   | 2690   | 2.7     | 9.8    | 12.3   | 3.55 | A    |
| 2000           |                         | 2000 | 2000 | 3500 | 119%  | 9500  | 1620                | 1620 | 1620 | 2830 | 7690  | 1900     | 7680   | 9220    | 580               | 2180   | 2730   | 2.7     | 10     | 12.5   | 3.52 | A    |
| 2000           |                         | 2000 | 2000 | 5200 | 140%  | 11200 | 1430                | 1430 | 1430 | 3710 | 8000  | 1900     | 8000   | 9300    | 580               | 2300   | 2870   | 2.7     | 10.5   | 13.1   | 3.48 | A    |
| 2000           |                         | 2000 | 2600 | 2600 | 115%  | 9200  | 1660                | 1660 | 2160 | 2160 | 7640  | 1900     | 7650   | 9180    | 580               | 2190   | 2730   | 2.7     | 10     | 12.5   | 3.49 | A    |
| 2000           |                         | 2000 | 2600 | 3500 | 126%  | 10100 | 1530                | 1530 | 1990 | 2680 | 7730  | 1900     | 7730   | 9280    | 580               | 2200   | 2780   | 2.7     | 10.1   | 12.7   | 3.51 | A    |
| 2000           |                         | 2000 | 2600 | 5200 | 148%  | 11800 | 1360                | 1360 | 1760 | 3530 | 8010  | 1900     | 8000   | 9300    | 580               | 2300   | 2870   | 2.7     | 10.5   | 13.1   | 3.48 | A    |
| 2000           |                         | 2000 | 3500 | 3500 | 138%  | 11000 | 1450                | 1450 | 2550 | 2550 | 8000  | 1900     | 8000   | 9300    | 580               | 2280   | 2870   | 2.7     | 10.4   | 13.1   | 3.51 | A    |
| 2000           |                         | 2600 | 2600 | 2600 | 123%  | 9800  | 1570                | 2050 | 2050 | 2050 | 7720  | 1900     | 7710   | 9250    | 580               | 2190   | 2730   | 2.7     | 10     | 12.5   | 3.52 | A    |
| 2000           |                         | 2600 | 2600 | 3500 | 134%  | 10700 | 1500                | 1940 | 1940 | 2620 | 8000  | 1900     | 8000   | 9300    | 580               | 2260   | 2820   | 2.7     | 10.3   | 12.9   | 3.54 | A    |
| 2000           |                         | 2600 | 3500 | 3500 | 145%  | 11600 | 1380                | 1790 | 2410 | 2410 | 7990  | 1900     | 8000   | 9300    | 580               | 2300   | 2870   | 2.7     | 10.5   | 13.1   | 3.48 | A    |
| 2600           |                         | 2600 | 2600 | 2600 | 130%  | 10400 | 1940                | 1940 | 1940 | 1940 | 7760  | 1900     | 7760   | 9300    | 580               | 2220   | 2780   | 2.7     | 10.2   | 12.7   | 3.50 | A    |
| 2600           |                         | 2600 | 2600 | 3500 | 141%  | 11300 | 1840                | 1840 | 1840 | 2480 | 8000  | 1900     | 8000   | 9300    | 580               | 2300   | 2870   | 2.7     | 10.5   | 13.1   | 3.48 | A    |
| 2600           |                         | 2600 | 3500 | 3500 | 153%  | 12200 | 1700                | 1700 | 2300 | 2300 | 8000  | 1900     | 8000   | 9300    | 580               | 2300   | 2910   | 2.7     | 10.5   | 13.3   | 3.48 | A    |

**Notes**

Due to ongoing improvement on products, specifications may change without prior notice.

MH080FXEA4B (Heating)

| Number of Unit | Indoor Unit Combination |      |      |   |      |       | Cooling Capacity(W) |      |      |   |       | Capacity |        |         | Power Consumption |        |        | Current |        |        | COP  | EG |
|----------------|-------------------------|------|------|---|------|-------|---------------------|------|------|---|-------|----------|--------|---------|-------------------|--------|--------|---------|--------|--------|------|----|
|                | A                       | B    | C    | D | %    | Total | A                   | B    | C    | D | Total | Min. W   | Nom. W | Max. MI | Min. W            | Nom. W | Max. W | Min. A  | Nom. A | Max. A |      |    |
| 1 Unit         | 2200                    | -    | -    | - | 24%  | 2200  | 2500                | 0    | 0    | 0 | 2500  | 1790     | 2500   | 3220    | 580               | 950    | 1330   | 2.7     | 4.3    | 6.1    | 2.63 | E  |
|                | 2900                    | -    | -    | - | 31%  | 2900  | 2900                | 0    | 0    | 0 | 2900  | 1820     | 2900   | 3680    | 590               | 1110   | 1500   | 2.7     | 5.1    | 6.9    | 2.61 | E  |
|                | 3800                    | -    | -    | - | 41%  | 3800  | 3800                | 0    | 0    | 0 | 3800  | 1930     | 3800   | 4600    | 600               | 1250   | 1810   | 2.7     | 5.7    | 8.3    | 3.04 | D  |
|                | 5600                    | -    | -    | - | 60%  | 5600  | 5600                | 0    | 0    | 0 | 5600  | 2080     | 5600   | 6440    | 610               | 1670   | 2370   | 2.8     | 7.6    | 10.8   | 3.35 | C  |
| 2 Unit         | 2200                    | 2200 | -    | - | 47%  | 4400  | 2200                | 2200 | 0    | 0 | 4400  | 1980     | 4400   | 5060    | 600               | 1220   | 1530   | 2.7     | 5.6    | 7      | 3.61 | A  |
|                | 2200                    | 2900 | -    | - | 55%  | 5100  | 2200                | 2900 | 0    | 0 | 5100  | 2040     | 5100   | 5870    | 610               | 1410   | 1700   | 2.8     | 6.5    | 7.8    | 3.62 | A  |
|                | 2200                    | 3800 | -    | - | 65%  | 6000  | 2200                | 3800 | 0    | 0 | 6000  | 2110     | 6000   | 6900    | 610               | 1760   | 2110   | 2.8     | 8.1    | 9.7    | 3.41 | B  |
|                | 2200                    | 5600 | -    | - | 84%  | 7800  | 2200                | 5600 | 0    | 0 | 7800  | 2200     | 7800   | 9130    | 620               | 2150   | 2580   | 2.8     | 9.8    | 11.8   | 3.63 | A  |
|                | 2900                    | 2900 | -    | - | 62%  | 5800  | 2900                | 2900 | 0    | 0 | 5800  | 2100     | 5800   | 6670    | 610               | 1600   | 1930   | 2.8     | 7.3    | 8.8    | 3.63 | A  |
|                | 2900                    | 3800 | -    | - | 72%  | 6700  | 2900                | 3800 | 0    | 0 | 6700  | 2170     | 6700   | 7710    | 610               | 1940   | 2330   | 2.8     | 8.9    | 10.7   | 3.45 | B  |
|                | 2900                    | 5600 | -    | - | 91%  | 8500  | 2730                | 5270 | 0    | 0 | 8000  | 2200     | 8000   | 9360    | 620               | 2210   | 2600   | 2.8     | 10.1   | 11.9   | 3.62 | A  |
|                | 3800                    | 3800 | -    | - | 82%  | 7600  | 3800                | 3800 | 0    | 0 | 7600  | 2200     | 7600   | 8740    | 620               | 2090   | 2510   | 2.8     | 9.6    | 11.5   | 3.64 | A  |
|                | 3800                    | 5600 | -    | - | 101% | 9400  | 3280                | 4840 | 0    | 0 | 8120  | 2200     | 8120   | 9500    | 620               | 2250   | 2650   | 2.8     | 10.3   | 12.1   | 3.61 | A  |
|                | 5600                    | 5600 | -    | - | 120% | 11200 | 4250                | 4250 | 0    | 0 | 8500  | 2200     | 8500   | 9950    | 620               | 2340   | 2750   | 2.8     | 10.7   | 12.6   | 3.63 | A  |
| 3 Unit         | 2200                    | 2200 | 2200 | - | 71%  | 6600  | 2200                | 2200 | 2200 | 0 | 6600  | 2170     | 6600   | 7590    | 610               | 1830   | 2220   | 2.8     | 8.4    | 10.2   | 3.61 | A  |
|                | 2200                    | 2200 | 2900 | - | 78%  | 7300  | 2200                | 2200 | 2900 | 0 | 7     |          |        |         |                   |        |        |         |        |        |      |    |

# Window type



| MODEL NO.            | Mechanical                 |                                   | AW05N*M8 | AW06N*M8 | AW08N*M8 | AW10N*M8 |
|----------------------|----------------------------|-----------------------------------|----------|----------|----------|----------|
|                      | Electronic                 |                                   |          |          |          |          |
|                      | Electronic(ES)             |                                   |          |          |          |          |
| AREA                 | N.America                  |                                   |          |          |          |          |
|                      |                            |                                   | CO       | CO       | CO       | CO       |
| <b>Air Discharge</b> | Voltage/Hz/Phase           | V/Hz/ø                            | 115/60/1 | 115/60/1 | 115/60/1 | 115/60/1 |
| <b>Performance</b>   | Capacity                   | Cooling                           | 5,050    | 6,000    | 8,000    | 10,000   |
|                      |                            | Btu/hr.                           |          |          |          |          |
|                      |                            | Kcal/hr                           | 1273     | 1512     | 2016     | 2520     |
|                      |                            | kW                                | 1.48     | 1.76     | 2.34     | 2.93     |
|                      | Energy Efficiency          | Energy Grade                      |          |          |          |          |
|                      |                            | EER(Btu/W)                        | 9.7      | 9.7      | 9.8      | 9.8      |
|                      | Moisture Removal           | Pts / hr                          | 1.4      | 1.7      | 2.2      | 3        |
|                      | Air Circulation (Max)      | CFM                               | 130      | 150      | 220      | 220      |
|                      | Noise Level                | In/Out                            | 55/58    | 56/58    | 59/61    | 58/62    |
|                      | Power Consumption(W)       |                                   | 520      | 620      | 820      | 1020     |
|                      | Operating Current(A)       |                                   | 4.7      | 5.6      | 7.4      | 9.4      |
| <b>Features</b>      | Air Cleaning System        | Anti Bacteria Filter              | •        | •        | •        | •        |
|                      | Silver Nano Health System™ | Silver Nano Filter                |          |          |          |          |
|                      |                            | Silver Nano Evaporator            |          |          |          |          |
|                      | Operating Mode             | Temperature Control               | Mech     | Mech     | Mech     | Mech     |
|                      |                            | Good Sleep                        |          |          |          |          |
|                      |                            | Timer                             |          |          |          |          |
|                      |                            | Energy Saving Mode                |          |          |          |          |
|                      |                            | Auto Restart                      |          |          |          |          |
|                      | Convenience                | Rust Free Cabinet                 | •        | •        | •        | •        |
|                      |                            | Ventilation Cotnrol               | •        | •        | •        | •        |
|                      |                            | Washable Grille                   | •        | •        | •        | •        |
|                      |                            | Easy to Access Filter             | •        | •        | •        | •        |
|                      |                            | Auto Swing                        |          |          |          |          |
|                      |                            | Air Dillection                    | 2-Way    | 2-Way    | 2-Way    | 4-Way    |
|                      |                            | Air Flow Control Steps (Cool/Fan) | 2/2      | 2/2      | 3/2      | 3/2      |
|                      |                            | Air Discharge                     | Top      | Top      | Top      | Top      |
|                      |                            | Air Ventilation                   |          |          | •        | •        |
|                      |                            | Slide in/out                      |          |          |          | •        |
|                      |                            | Remote Controller                 |          |          |          | •        |
|                      |                            | Compressor type                   | Rotary   | Rotary   | Rotary   | Rotary   |
|                      | Size                       | Net Weight(Pounds)                | 35.7     | 39.6     | 50       | 64       |
|                      |                            | Shipping Weight(Pounds)           | 40.8     | 44       | 57       | 73       |
|                      |                            | Net Dimension,inch(W)             | 17 1/8   | 16 3/4   | 19 7/24  | 19 2/3   |
|                      |                            | Net Dimension,inch(with Grille,D) | 12 5/6   | 13 1/2   | 18 1/9   | 18 1/9   |
|                      |                            | Net Dimension,inch(H)             | 11 1/7   | 12 2/9   | 12 3/5   | 14       |
|                      |                            | Loading Q'ty(40/40ft H)           | 912/1043 | 810/931  | 460/552  | 456/460  |

| MODEL NO.            | Mechanical                 |                                   | AW12N*M8 | AW14N*M8 | AW18N*M8     | AW05N*B8 | AW06N*B8 | AW08N*B8 | AW10N*B8 | AW12N*B8 |
|----------------------|----------------------------|-----------------------------------|----------|----------|--------------|----------|----------|----------|----------|----------|
|                      | Electronic                 |                                   |          |          |              |          |          |          |          |          |
|                      | Electronic(ES)             |                                   |          |          |              |          |          |          |          |          |
| AREA                 | N.America                  |                                   |          |          |              |          |          |          |          |          |
|                      |                            |                                   | CO       | CO       | CO           | CO       | CO       | CO       | CO       | CO       |
| <b>Air Discharge</b> | Voltage/Hz/Phase           | V/Hz/ø                            | 115/60/1 | 115/60/1 | 230-208/60/1 | 115/60/1 | 115/60/1 | 115/60/1 | 115/60/1 | 115/60/1 |
| <b>Performance</b>   | Capacity                   | Cooling                           | 12,000   | 13,800   | 17900/17400  | 5,050    | 6,000    | 8,000    | 10,000   | 12,000   |
|                      |                            | Btu/hr.                           |          |          |              |          |          |          |          |          |
|                      |                            | Kcal/hr                           | 3024     | 3478     | 4511/4385    | 1273     | 1512     | 2016     | 2520     | 3024     |
|                      |                            | kW                                | 3.52     | 4.04     | 5.25/5.10    | 1.48     | 1.76     | 2.34     | 2.93     | 3.52     |
|                      | Energy Efficiency          | Energy Grade                      |          |          |              |          |          |          |          |          |
|                      |                            | EER(Btu/W)                        | 9.8      | 9.8      | 9.7          | 9.7      | 9.7      | 9.8      | 9.8      | 9.8      |
|                      | Moisture Removal           | Pts / hr                          | 3.4      | 4        | 5            | 1.4      | 1.7      | 2.2      | 3        | 3.4      |
|                      | Air Circulation (Max)      | CFM                               | 280      | 310      | 470          | 130      | 150      | 220      | 220      | 280      |
|                      | Noise Level                | In/Out                            | 59/64    | 59/64    | 62/68        | 55/58    | 56/58    | 59/61    | 58/62    | 59/64    |
|                      | Power Consumption(W)       |                                   | 1230     | 1,410    | 1850/1800    | 520      | 620      | 820      | 1020     | 1230     |
|                      | Operating Current(A)       |                                   | 11.4     | 12       | 8.2/8.6      | 4.7      | 5.6      | 7.4      | 9.4      | 11.2     |
| <b>Features</b>      | Air Cleaning System        | Anti Bacteria Filter              | •        | •        | •            | •        | •        | •        | •        | •        |
|                      | Silver Nano Health System™ | Silver Nano Filter                |          |          |              |          |          |          |          |          |
|                      |                            | Silver Nano Evaporator            |          |          |              |          |          |          |          |          |
|                      | Operating Mode             | Temperature Control               | Mech     | Mech     | Mech         | •        | •        | •        | •        | •        |
|                      |                            | Good Sleep                        |          |          |              | •        | •        | •        | •        | •        |
|                      |                            | Timer                             |          |          |              | •        | •        | •        | •        | •        |
|                      |                            | Energy Saving Mode                |          |          |              | •        | •        | •        | •        | •        |
|                      |                            | Auto Restart                      |          |          |              | •        | •        | •        | •        | •        |
|                      | Convenience                | Rust Free Cabinet                 | •        | •        | •            | •        | •        | •        | •        | •        |
|                      |                            | Ventilation Cotnrol               | •        | •        | •            | •        | •        | •        | •        | •        |
|                      |                            | Washable Grille                   | •        | •        | •            | •        | •        | •        | •        | •        |
|                      |                            | Easy to Access Filter             | •        | •        | •            | •        | •        | •        | •        | •        |
|                      |                            | Auto Swing                        |          |          |              |          |          |          |          |          |
|                      |                            | Air Dillection                    | 4-Way    | 4-Way    | 4-Way        | 2-Way    | 2-Way    | 2-Way    | 4-Way    | 4-Way    |
|                      |                            | Air Flow Control Steps (Cool/Fan) | 3/2      | 3/2      | 3/2          | 3/3      | 3/3      | 3/3      | 3/3      | 3/3      |
|                      |                            | Air Discharge                     | Top      | Top      | Top          | Top      | Top      | Top      | Top      | Top      |
|                      |                            | Air Ventilation                   |          |          |              |          |          | •        | •        | •        |
|                      |                            | Slide in/out                      |          |          |              |          |          |          | •        | •        |
|                      |                            | Remote Controller                 |          |          |              | •        | •        | •        | •        | •        |
|                      |                            | Compressor type                   | Rotary   | Rotary   | Rotary       | Rotary   | Rotary   | Rotary   | Rotary   | Rotary   |
|                      | Size                       | Net Weight(Pounds)                | 71       | 81       | 120.2        | 35.7     | 39.6     | 50       | 64       | 71       |
|                      |                            | Shipping Weight(Pounds)           | 82       | 92       | 133          | 40.8     | 44       | 57       | 73       | 82       |
|                      |                            | Net Dimension,inch(W)             | 22       | 22       | 24 2/5       | 17 1/8   | 16 3/4   | 19 7/24  | 19 2/3   | 22       |
|                      |                            | Net Dimension,inch(with Grille,D) | 21 2/3   | 22       | 25 1/5       | 12 5/6   | 13 1/2   | 18 1/9   | 18 1/9   | 21 2/3   |
|                      |                            | Net Dimension,inch(H)             | 14 4/7   | 15 1/2   | 16 3/4       | 11 1/7   | 12 2/9   | 12 3/5   | 14       | 14 4/7   |
|                      |                            | Loading Q'ty(40/40ft H)           | 282/339  | 282/285  | 204/255      | 912/1043 | 810/931  | 460/552  | 456/460  | 282/339  |



# Window type



| MODEL NO.            | Mechanical                 |         | N.America                         |          |              |             |             |             |
|----------------------|----------------------------|---------|-----------------------------------|----------|--------------|-------------|-------------|-------------|
|                      | Electronic                 |         | AW14N*B8                          | AW18N*B8 | AW05E*B8     | AW05E*B8    | AW06E*B8    |             |
|                      | Electronic(ES)             |         |                                   |          |              |             |             |             |
| AREA                 |                            |         | CO                                | CO       | CO           | CO          | CO          |             |
| <b>Air Discharge</b> | Voltage/Hz/Phase           |         | V/Hz/ø                            | 115/60/1 | 230-208/60/1 | 115/60/1    | 115/60/1    | 115/60/1    |
| <b>Performance</b>   | Capacity                   | Cooling | Btu/hr.                           | 13,800   | 17900/17400  | 5,250       | 5,250       | 6,000       |
|                      |                            |         | Kcal/hr                           | 3478     | 4511/4385    | 1323        | 1323        | 1512        |
|                      |                            |         | kW                                | 4.04     | 5.25/5.10    | 1.54        | 1.54        | 1.76        |
|                      | Energy Efficiency          |         | Energy Grade                      |          |              | Energy Star | Energy Star | Energy Star |
|                      |                            |         | EER(Btu/W)                        | 9.8      | 9.7          | 10.7        | 10.7        | 10.7        |
|                      | Moisture Removal           |         | Pts / hr                          | 4        | 5            | 1.3         | 1.3         | 1.6         |
|                      | Air Circulation (Max)      |         | CFM                               | 310      | 470          | 180         | 180         | 180         |
|                      | Noise Level                | In/Out  | dB                                | 59/64    | 62/68        | 55/59       | 58/60       | 53/57       |
|                      | Power Consumption(W)       |         |                                   | 1,410    | 1850/1800    | 490         | 490         | 560         |
|                      | Operating Current(A)       |         |                                   | 12       | 8.2/8.6      | 4.6         | 4.6         | 5           |
| <b>Features</b>      | Air Cleaning System        |         | Anti Bacteria Filter              | •        | •            | •           | •           | •           |
|                      | Silver Nano Health System™ |         | Silver Nano Filter                |          |              |             |             |             |
|                      |                            |         | Silver Nano Evaporator            |          |              |             |             |             |
|                      | Operating Mode             |         | Temperature Control               | •        | •            | •           | •           | •           |
|                      |                            |         | Good Sleep                        | •        | •            | •           | •           | •           |
|                      |                            |         | Timer                             | •        | •            | •           | •           | •           |
|                      |                            |         | Energy Saving Mode                | •        | •            | •           | •           | •           |
|                      |                            |         | Auto Restart                      | •        | •            | •           | •           | •           |
|                      | Convenience                |         | Rust Free Cabinet                 | •        | •            | •           | •           | •           |
|                      |                            |         | Ventilation Cotnrol               | •        | •            | •           | •           | •           |
|                      |                            |         | Washable Grille                   | •        | •            | •           | •           | •           |
|                      |                            |         | Easy to Access Filter             | •        | •            | •           | •           | •           |
|                      |                            |         | Auto Swing                        |          |              |             |             |             |
|                      |                            |         | Air Dillection                    | 4-Way    | 4-Way        | 2-Way       | 2-Way       | 2-Way       |
|                      |                            |         | Air Flow Control Steps (Cool/Fan) | 3/3      | 3/3          | 3/3         | 3/3         | 3/3         |
|                      |                            |         | Air Discharge                     | Top      | Top          | Top         | Top         | Top         |
|                      |                            |         | Air Ventilation                   | •        | •            | •           | •           | •           |
|                      |                            |         | Slide in/out                      | •        | •            | •           | •           | •           |
|                      |                            |         | Remote Controller                 | •        | •            | •           | •           | •           |
|                      |                            |         | Compressor type                   | Rotary   | Rotary       | Rotary      | Rotary      | Rotary      |
|                      | Size                       |         | Net Weight(Pounds)                | 81       | 120.2        | 40.8        | 47          | 40.8        |
|                      |                            |         | Shipping Weight(Pounds)           | 92       | 133          | 47.4        | 53          | 47.4        |
|                      |                            |         | Net Dimension,inch(W)             | 22       | 24 2/5       | 17 4/5      | 19 7/24     | 17 4/5      |
|                      |                            |         | Net Dimension,inch(with Grille,D) | 22       | 25 1/5       | 14 4/7      | 18 1/9      | 14 4/7      |
|                      |                            |         | Net Dimension,inch(H)             | 15 1/2   | 16 3/4       | 12 1/5      | 12 3/5      | 12 1/5      |
|                      |                            |         | Loading Q'ty(40/40ft H)           | 282/285  | 204/255      | 690/805     | 460/552     | 690/805     |

| MODEL NO.            | Mechanical                 |         | N.America                         |             |             |             |             |             |             |              |              |              |
|----------------------|----------------------------|---------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
|                      | Electronic                 |         | AW06E*B8                          | AW08E*B8    | AW10E*B8    | AW12E*B8    | AW14E*B8    | AW15E*B8    | AW18E*B8    | AW24E*B8     | AW25E*B8     |              |
|                      | Electronic(ES)             |         |                                   |             |             |             |             |             |             |              |              |              |
| AREA                 |                            |         | CO                                | CO          | CO          | CO          | CO          | CO          | CO          | CO           | CO           |              |
| <b>Air Discharge</b> | Voltage/Hz/Phase           |         | V/Hz/ø                            | 115/60/1    | 115/60/1    | 115/60/1    | 115/60/1    | 115/60/1    | 115/60/1    | 230-208/60/1 | 230-208/60/1 | 230-208/60/1 |
| <b>Performance</b>   | Capacity                   | Cooling | Btu/hr.                           | 6,000       | 8,000       | 10,500      | 12,000      | 14,300      | 14,700      | 18000/17600  | 23700/23100  | 24500/25000  |
|                      |                            |         | Kcal/hr                           | 1512        | 2016        | 2646        | 3024        | 3604        | 3705        | 4536/4435    | 5973/5822    | 6174/6300    |
|                      |                            |         | kW                                | 1.76        | 2.34        | 3.08        | 3.52        | 4.19        | 4.31        | 5.28/5.16    | 6.59/6.77    | 7.18/7.33    |
|                      | Energy Efficiency          |         | Energy Grade                      | Energy Star | Energy Star | Energy Star | Energy Star | Energy Star | Energy Star | Energy Star  | Energy Star  | Energy Star  |
|                      |                            |         | EER(Btu/W)                        | 10.7        | 10.8        | 10.8        | 10.8        | 10.7        | 10.7        | 10.7         | 10.7         | 9.4          |
|                      | Moisture Removal           |         | Pts / hr                          | 1.6         | 1.9         | 2.8         | 3.4         | 3.8         | 4           | 5            | 7.4          | 7            |
|                      | Air Circulation (Max)      |         | CFM                               | 180         | 240         | 280         | 310         | 360         | 350         | 470          | 540          | 600          |
|                      | Noise Level                | In/Out  | dB                                | 58/60       | 55/58       | 55/59       | 55/59       | 61/67       | 58/63       | 60/66        | 64/68        | 62/68        |
|                      | Power Consumption(W)       |         |                                   | 560         | 740         | 970         | 1,110       | 1,330       | 1,380       | 1690/1650    | 2520/2460    | 2600/2660    |
|                      | Operating Current(A)       |         |                                   | 5           | 6.8         | 8.6         | 10.3        | 12          | 12          | 7.6/8.3      | 11.5/12.0    | 12.8/12.0    |
| <b>Features</b>      | Air Cleaning System        |         | Anti Bacteria Filter              | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      | Silver Nano Health System™ |         | Silver Nano Filter                |             |             |             |             |             |             |              |              |              |
|                      |                            |         | Silver Nano Evaporator            |             |             |             |             |             |             |              |              |              |
|                      | Operating Mode             |         | Temperature Control               | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Good Sleep                        | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Timer                             | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Energy Saving Mode                | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Auto Restart                      | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      | Convenience                |         | Rust Free Cabinet                 | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Ventilation Cotnrol               | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Washable Grille                   | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Easy to Access Filter             | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Auto Swing                        |             |             |             |             |             |             |              |              |              |
|                      |                            |         | Air Dillection                    | 2-Way       | 4-Way       | 4-Way       | 4-Way       | 4-Way       | 4-Way       | 4-Way        | 4-Way        | 4-Way        |
|                      |                            |         | Air Flow Control Steps (Cool/Fan) | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3          | 3/3          | 3/3          |
|                      |                            |         | Air Discharge                     | Top         | Top         | Top         | Top         | Top         | Top         | Top          | Side         | Top          |
|                      |                            |         | Air Ventilation                   | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Slide in/out                      | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Remote Controller                 | •           | •           | •           | •           | •           | •           | •            | •            | •            |
|                      |                            |         | Compressor type                   | Rotary      | Rotary      | Rotary      | Rotary      | Rotary      | Rotary      | Rotary       | Rotary       | Rotary       |
|                      | Size                       |         | Net Weight(Pounds)                | 48          | 54          | 69.5        | 80.9        | 101         | 101         | 108.2        | 127.4        | 131.4        |
|                      |                            |         | Shipping Weight(Pounds)           | 54          | 63.3        | 81.6        | 92.2        | 115.3       | 115.3       | 122.6        | 143          | 148.8        |
|                      |                            |         | Net Dimension,inch(W)             | 19 7/24     | 19 2/3      | 22          | 22          | 24 2/5      | 24 2/5      | 24 2/5       | 24 2/5       | 26           |
|                      |                            |         | Net Dimension,inch(with Grille,D) | 18 1/9      | 18 1/9      | 21 2/3      | 22          | 25 1/5      | 25 1/5      | 25 1/5       | 25 1/5       | 28 1/7       |
|                      |                            |         | Net Dimension,inch(H)             | 12 3/5      | 14          | 14 4/7      | 15 1/2      | 16 3/4      | 16 3/4      | 16 3/4       | 16 3/4       | 17 5/7       |
|                      |                            |         | Loading Q'ty(40/40ft H)           | 460/552     | 456/460     | 282/339     | 282/285     | 204/255     | 204/255     | 204/255      | 204/255      | 187/188      |

# Window type



| MODEL NO.                          | Mechanical                        |                     | AW05N0AB      | AW08N0AB    | AW08NHAB    |             | AW08NHAF    |
|------------------------------------|-----------------------------------|---------------------|---------------|-------------|-------------|-------------|-------------|
|                                    | Electronic                        |                     | Latin America |             |             |             |             |
| AREA                               |                                   |                     | CO            | CO          | CO          | CO          | CO          |
| Air Discharge                      |                                   |                     | TOP           | TOP         | TOP         | TOP         | TOP         |
|                                    | Voltage/Hz/Phase                  | V/Hz/ø              | 115/60/1      | 115/60/1    | 115/60/1    | 115/60/1    | 115/60/1    |
| <b>Performance</b>                 |                                   |                     |               |             |             |             |             |
| Capacity                           | Cooling                           | Btu/hr.             | 5,050         | 8000        | 8000        | 8000        | 8000        |
|                                    |                                   | Kcal/hr             | 1,273         | 2,016       | 2,016       | 2,016       | 2,016       |
|                                    | Heating                           | kW                  | 1.48          | 2.34        | 2.34        | 2.34        | 2.34        |
|                                    |                                   | Btu/hr*SW           | -             | -           | -           | -           | -           |
| Energy Efficiency                  | Cooling                           | EER(Btu/W)          | 9.7           | 9.8         | 9.8         | 10.5        | 10.5        |
|                                    |                                   | COP(W/W)            | -             | -           | -           | -           | -           |
| Moisture Removal                   | Heating                           | l/hr                | 0.8           | 1.0         | 1.0         | 1.1         | 1.1         |
|                                    |                                   | m <sup>3</sup> /min | 3.6           | 6.5         | 6.5         | 7           | 7           |
| Air Circulation (Max)              | In/Out                            | dB(A)               | 55/59         | 59/61       | 59/61       | 59/61       | 59/61       |
| Power Consumption                  | Cooling                           | W                   | 520           | 820         | 820         | 760         | 760         |
|                                    | Heating                           | W                   | -             | -           | -           | -           | -           |
| Operating Current                  | Cooling                           | A                   | 4.7           | 7.4         | 7.4         | 6.7         | 6.7         |
|                                    | Heating                           | A                   | -             | -           | -           | -           | -           |
| <b>Features</b>                    |                                   |                     |               |             |             |             |             |
| Air Cleaning System                | Anti Bacteria Filter              |                     | •             | •           | •           | •           | •           |
| Silver Nano Health System™         | Silver Nano Filter                |                     | •             | •           | •           | •           | •           |
|                                    | Silver Nano Evaporator            |                     | -             | -           | -           | -           | -           |
| Operating Mode                     | Temperature Control               |                     | •             | •           | •           | •           | •           |
|                                    | Good Sleep                        |                     | -             | -           | •           | •           | •           |
| Timer                              | Timer                             |                     | -             | -           | 24Hr        | 24Hr        | 24Hr        |
|                                    | Energy Saving Mode                |                     | -             | -           | -           | -           | -           |
| Convenience                        | Auto Restart                      |                     | -             | -           | -           | -           | -           |
|                                    | Auto Swing (Left & Right)         |                     | -             | -           | -           | -           | -           |
| Air Dilection                      | Air Dilection                     |                     | 2 way         | 2 way       | 2way        | 2way        | 2way        |
|                                    | Air Flow Control Steps (Cool/Fan) |                     | 2/2           | 3/2         | 3/3         | 3/3         | 3/3         |
| Air Discharge                      | TOP                               |                     | TOP           | TOP         | TOP         | TOP         | TOP         |
| Air Ventilation                    |                                   |                     | •             | •           | •           | •           | •           |
| Slide in/out                       |                                   |                     | -             | -           | -           | •           | •           |
| Remote Controller                  |                                   |                     | -             | -           | •           | •           | •           |
| Remote Controller (LCD)            |                                   |                     | -             | -           | -           | -           | -           |
| Compressor type                    |                                   |                     | ROTARY        | ROTARY      | ROTARY      | ROTARY      | ROTARY      |
| <b>Loading Q'ty / Installation</b> |                                   |                     |               |             |             |             |             |
| Size                               | Net Weight                        |                     | 16.2          | 22          | 22          | 28.5        | 28.5        |
|                                    | Net Dimension(W*H*D)              |                     | 435*283*326   | 490*320*460 | 490*320*460 | 560*370*550 | 560*370*550 |
|                                    | Loading Q'ty(20/40/40ft HI)       |                     | 441/912/1043  | 220/460/552 | 220/460/552 | 135*282*339 | 135*282*339 |

| AW12PKAC      |             |             |             |             |             |             | AW18P1BC    |             |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AW12PKAC      | AW12PKBC    | AW12PKAB    | AW12PKBB    | AW12PKAF    | AW12PKBF    | AW12PKBF    | AW18P1BC    | AW18PKBC    |
| Latin America |             |             |             |             |             |             |             |             |
| CO            | CO          | CO          | CO          | CO          | CO          | CO          | CO          | CO          |
| Side          | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        |
| 115/60/1      | 220/60/1    | 115/60/1    | 220/60/1    | 115/60/1    | 220/60/1    | 220/60/1    | 220/60/1    | 220/60/1    |
| 12,000        | 12,000      | 12,000      | 12,000      | 12,000      | 12,000      | 12,000      | 18,000      | 18,000      |
| 3,024         | 3,024       | 3,024       | 3,024       | 3,024       | 3,024       | 3,024       | 4,536       | 4,536       |
| 3.52          | 3.52        | 3.52        | 3.52        | 3.52        | 3.52        | 3.52        | 5.28        | 5.28        |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| 9.8           | 9.8         | 10.8        | 10.8        | 10.5        | 10.5        | 10.5        | 9.70        | 9.70        |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| 1.3           | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.3         | 1.7         | 1.7         |
| 8.4           | 8.4         | 8.4         | 8.4         | 8.4         | 7           | 7.5         | 11.3        | 11.3        |
| 56/64         | 56/64       | 56/64       | 56/64       | 56/64       | 58/66       | 58/66       | 63/66       | 63/66       |
| 1230          | 1230        | 1110        | 1110        | 1140        | 1140        | 1140        | 1850        | 1850        |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| 11.2          | 5.5         | 10.0        | 5.2         | 10.2        | 5.2         | 5.2         | 8.1         | 8.1         |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| 24Hr          | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| 4 way         | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       |
| 3/3           | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/2         | 3/3         |
| Side          | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| •             | •           | •           | •           | •           | •           | •           | •           | •           |
| -             | -           | -           | -           | -           | -           | -           | -           | -           |
| ROTARY        | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      |
| 34.5          | 34.5        | 34.5        | 34.5        | 44.7        | 44.5        | 50          | 50          | 50          |
| 560*394*558   | 560*394*558 | 560*394*558 | 560*394*558 | 620*425*640 | 620*425*640 | 620*425*640 | 620*425*640 | 620*425*640 |
| 135/282/285   | 135/282/285 | 135/282/285 | 135/282/285 | 96/204/255  | 96/204/255  | 96/204/255  | 96/204/255  | 96/204/255  |

# Window type



| MODEL NO.                          | Mechanical                  |                     | AW24P1BC    |             | AW05N0AD    |              |
|------------------------------------|-----------------------------|---------------------|-------------|-------------|-------------|--------------|
|                                    | Electronic                  |                     | AW18PKBF    | AW24PKBC    |             |              |
| AREA                               | Latin America               |                     |             |             |             |              |
| Air Discharge                      |                             |                     | CO          | CO          | CO          | CO           |
|                                    |                             |                     | Side        | Side        | Side        | TOP          |
|                                    | Voltage/Hz/Phase            | V/Hz/ø              | 220/60/1    | 220/60/1    | 220/60/1    | 115/60/1     |
| <b>Performance</b>                 |                             |                     |             |             |             |              |
| Capacity                           | Cooling                     | Btu/hr.             | 18,000      | 24,000      | 24,000      | 5,050        |
|                                    |                             | Kcal/hr             | 4,536       | 6,048       | 6,048       | 1,273        |
|                                    | Heating                     | kW                  | 5.28        | 7.03        | 7.03        | 1.48         |
|                                    |                             | Btu/hr*SW           | -           | -           | -           | -            |
| Energy Efficiency                  | Cooling                     | EER(Btu/W)          | 10.20       | 8.50        | 8.50        | 8.9          |
|                                    |                             | COP(W/W)            | -           | -           | -           | -            |
| Moisture Removal                   | Heating                     | l/hr                | 1.5         | 2.6         | 2.6         | 0.8          |
|                                    |                             |                     |             |             |             |              |
| Air Circulation (Max)              |                             | m <sup>3</sup> /min | 13.0        | 13.4        | 13.4        | 3.6          |
| Noise Level                        | In/Out                      | dB(A)               | 62/68       | 66/69       | 66/69       | 55/59        |
| Power Consumption                  | Cooling                     | W                   | 1765        | 2820        | 2820        | 560          |
|                                    | Heating                     | W                   | -           | -           | -           | -            |
| Operating Current                  | Cooling                     | A                   | 7.8         | 12.5        | 12.5        | 5.0          |
|                                    | Heating                     | A                   | -           | -           | -           | -            |
| <b>Features</b>                    |                             |                     |             |             |             |              |
| Air Cleaning System                | Anti Bacteria Filter        |                     | •           | •           | •           | •            |
| Silver Nano Health System™         | Silver Nano Filter          |                     | •           | •           | •           | •            |
|                                    | Silver Nano Evaporator      |                     | -           | -           | -           | -            |
| Operating Mode                     | Temperature Control         |                     | •           | •           | •           | •            |
|                                    | Good Sleep                  |                     | •           | -           | •           | -            |
| Timer                              | 24Hr                        |                     | 24Hr        | -           | -           | -            |
|                                    | Energy Saving Mode          |                     | -           | -           | -           | -            |
| Convenience                        | Auto Restart                |                     | •           | •           | •           | -            |
|                                    | Auto Swing (Left & Right)   |                     | •           | •           | •           | -            |
| Air Dilection                      |                             | 4 way               | 4 way       | 4 way       | 2 way       |              |
| Air Flow Control Steps (Cool/Fan)  |                             | 3/3                 | 3/2         | 3/3         | 2/2         |              |
| Air Discharge                      |                             | Side                | Side        | Side        | TOP         |              |
| Air Ventilation                    |                             | •                   | •           | •           | -           |              |
| Slide in/out                       |                             | •                   | •           | •           | -           |              |
| Remote Controller                  |                             | •                   | -           | •           | -           |              |
| Remote Controller (LCD)            |                             | -                   | -           | -           | -           |              |
| Compressor type                    |                             | ROTARY              | ROTARY      | ROTARY      | ROTARY      |              |
| <b>Loading Q'ty / Installation</b> |                             |                     |             |             |             |              |
| Size                               | Net Weight                  |                     | 53.5        | 51.8        | 51.8        | 16.2         |
|                                    | Net Dimension(W*H*D)        |                     | 660*425*730 | 620*425*640 | 620*425*640 | 435*283*326  |
|                                    | Loading Q'ty(20/40/40ft HI) |                     | 84/168/210  | 96/204/255  | 96/204/255  | 441/912/1043 |

| AW08N0AD      | AW12P0AC    | AW12P0BC    | AW14P1BD    |             | AW05N0AE    | AW08N0AE     |
|---------------|-------------|-------------|-------------|-------------|-------------|--------------|
|               |             |             | AW12PHBC    | AW14PHBD    |             |              |
| Latin America |             |             |             |             |             |              |
| CO            | CO          | CO          | CO          | CO          | CO          | CO           |
| TOP           | Side        | Side        | Side        | Side        | Side        | TOP          |
| 115/60/1      | 115/60/1    | 220/60/1    | 220/60/1    | 220/60/1    | 220/60/1    | 115/60/1     |
| 8000          | 12,000      | 12,000      | 12,000      | 14,000      | 14,000      | 5,050        |
| 2,016         | 3,024       | 3,024       | 3,024       | 3,528       | 3,528       | 1,273        |
| 2.34          | 3.52        | 3.52        | 3.52        | 4.10        | 4.10        | 1.48         |
| -             | -           | -           | -           | -           | -           | -            |
| -             | -           | -           | -           | -           | -           | -            |
| -             | -           | -           | -           | -           | -           | -            |
| 9.8           | 9.0         | 9.0         | 9.0         | 10.00       | 10.00       | 8.9          |
| -             | -           | -           | -           | -           | -           | -            |
| 1.0           | 1.3         | 1.3         | 1.3         | 1.5         | 1.5         | 0.8          |
| 6.5           | 8.0         | 8.0         | 8.0         | 9.9         | 9.9         | 3.6          |
| 59/61         | 56/64       | 56/64       | 56/64       | 60/67       | 60/67       | 55/59        |
| 820           | 1330        | 1330        | 1330        | 1400        | 1400        | 560          |
| -             | -           | -           | -           | -           | -           | -            |
| 7.4           | 11.8        | 5.8         | 5.8         | 6.4         | 6.4         | 5.0          |
| -             | -           | -           | -           | -           | -           | -            |
| •             | •           | •           | •           | •           | •           | •            |
| •             | •           | •           | •           | •           | •           | •            |
| -             | -           | -           | -           | -           | -           | -            |
| •             | •           | •           | •           | •           | •           | •            |
| -             | -           | -           | -           | -           | -           | -            |
| -             | -           | -           | 24Hr        | -           | 24Hr        | -            |
| -             | -           | -           | -           | -           | -           | -            |
| -             | -           | -           | -           | -           | -           | -            |
| -             | -           | -           | •           | •           | •           | -            |
| 2 way         | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 2 way        |
| 3/2           | 3/2         | 3/2         | 3/3         | 3/2         | 3/3         | 2/2          |
| TOP           | Side        | Side        | Side        | Side        | Side        | TOP          |
| •             | •           | •           | •           | •           | •           | •            |
| -             | •           | •           | •           | •           | •           | -            |
| -             | -           | -           | •           | -           | •           | -            |
| -             | -           | -           | -           | -           | -           | -            |
| ROTARY        | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY       |
| 22            | 31          | 31          | 31          | 37.3        | 37.3        | 15.4         |
| 490*320*460   | 560*370*550 | 560*370*550 | 560*370*550 | 560*394*558 | 560*394*558 | 435*283*326  |
| 220/460/552   | 135/282/339 | 135/282/339 | 135/282/339 | 135/282/285 | 135/282/285 | 441/912/1043 |



# Window type



| MODEL NO.                          | Mechanical                  |                     | AW18P1BE      |             | AW05N0C      |              |
|------------------------------------|-----------------------------|---------------------|---------------|-------------|--------------|--------------|
|                                    | Electronic                  |                     | AW18PHBE      |             | AW07N0C      |              |
| AREA                               |                             |                     | Latin America |             | CIS          |              |
|                                    |                             |                     | CO            | CO          | CO           | CO           |
| <b>Air Discharge</b>               |                             |                     | Side          | Side        | TOP          | TOP          |
|                                    | Voltage/Hz/Phase            | V/Hz/ø              | 220/60/1      | 220/60/1    | 220-240/50/1 | 220-240/50/1 |
| <b>Performance</b>                 |                             |                     |               |             |              |              |
| Capacity                           | Cooling                     | Btu/hr.             | 18,000        | 18,000      | 5,000        | 7,000        |
|                                    |                             | Kcal/hr             | 4,536         | 4,536       | 1,260        | 1,764        |
|                                    | Heating                     | kW                  | 5.28          | 5.28        | 1.470        | 2.050        |
|                                    |                             | Btu/hr*SW           | -             | -           | -            | -            |
| Energy Efficiency                  | Cooling                     | EER(Btu/W)          | 9.70          | 9.70        | 8.60         | 9.60         |
|                                    |                             | COP(W/W)            | -             | -           | -            | -            |
| Moisture Removal                   | Heating                     | l/hr                | 1.7           | 1.7         | 0.7          | 0.9          |
|                                    |                             |                     | -             | -           | -            | -            |
| Air Circulation (Max)              |                             | m <sup>3</sup> /min | 11.3          | 11.3        | 3.8          | 5.4          |
| Noise Level                        | In/Out                      | dB(A)               | 63/66         | 63/66       | 55/59        | 59/61        |
| Power Consumption                  | Cooling                     | W                   | 1850          | 1850        | 580          | 730          |
|                                    | Heating                     | W                   | -             | -           | -            | -            |
| Operating Current                  | Cooling                     | A                   | 8.1           | 8.1         | 2.5          | 3.2          |
|                                    | Heating                     | A                   | -             | -           | -            | -            |
| <b>Features</b>                    |                             |                     |               |             |              |              |
| Air Cleaning System                | Anti Bacteria Filter        |                     | •             | •           | •            | •            |
| Silver Nano Health System™         | Silver Nano Filter          |                     | •             | •           | •            | •            |
|                                    | Silver Nano Evaporator      |                     | -             | -           | -            | -            |
| Operating Mode                     | Temperature Control         |                     | •             | •           | •            | •            |
|                                    | Good Sleep                  |                     | -             | •           | -            | -            |
| Timer                              |                             |                     | -             | 24Hr        | -            | -            |
| Energy Saving Mode                 |                             |                     | -             | -           | -            | -            |
| Convenience                        | Auto Restart                |                     | -             | •           | -            | -            |
|                                    | Auto Swing (Left & Right)   |                     | •             | •           | -            | -            |
| Air Dilection                      |                             |                     | 4 way         | 4 way       | 2 way        | 2 way        |
| Air Flow Control Steps (Cool/Fan)  |                             |                     | 3/2           | 3/3         | 2/2          | 3/2          |
| Air Discharge                      |                             |                     | Side          | Side        | TOP          | TOP          |
| Air Ventilation                    |                             |                     | •             | •           | -            | -            |
| Slide in/out                       |                             |                     | •             | •           | -            | -            |
| Remote Controller                  |                             |                     | -             | •           | -            | -            |
| Remote Controller (LCD)            |                             |                     | -             | -           | -            | -            |
| Compressor type                    |                             |                     | ROTARY        | ROTARY      | ROTARY       | ROTARY       |
| <b>Loading Q'ty / Installation</b> |                             |                     |               |             |              |              |
| Size                               | Net Weight                  |                     | 49            | 49          | 15.7         | 20.2         |
|                                    | Net Dimension(W*H*D)        |                     | 620*425*640   | 620*425*640 | 435*283*326  | 490*320*460  |
|                                    | Loading Q'ty(20/40/40ft Hl) |                     | 96/204/255    | 96/204/255  | 441/912/1043 | 220/460/552  |

| AZ09PHB      | AZ12PHA      | AW18PHB      | AWT12P1A    |             | AWT18W1B    |             | AHT18W1B    |             |
|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
|              |              |              | AWT12PHA    |             | MEA         |             | AWT18WHB    |             |
| CIS          |              |              | CO          |             | CO          |             | HT          |             |
| HP           | HP           | CO           | CO          | CO          | CO          | HT          | CO          | CO          |
| Side         | Side         | Side         | Side        | Side        | Side        | Side        | Side        | Side        |
| 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220/60/1    | 220/60/1    | 220/60/1    | 220/60/1    | 220/60/1    | 220/60/1    |
| 8,400        | 11,000       | 18,000       | 12,000      | 12,000      | 18,000      | 18,000      | 18,000      | 18,000      |
| 2,117        | 2,772        | 4,536        | 3,024       | 3,024       | 4,536       | 4,536       | 4,536       | 4,536       |
| 2.46         | 3.22         | 5.28         | 3.52        | 3.52        | 5.28        | 5.28        | 5.28        | 5.28        |
| 8,200        | 11,000       | -            | -           | -           | -           | 11089       | -           | -           |
| 2,066        | 2,772        | -            | -           | -           | -           | 2,795       | -           | -           |
| 2.40         | 3.22         | -            | -           | -           | -           | 3.25        | -           | -           |
| 8.40         | 7.90         | 9.50         | 8.3         | 8.3         | 8.8         | 8.8         | 8.8         | 8.8         |
| 8.20         | 8.70         | -            | -           | -           | -           | 2.56        | -           | -           |
| 1            | 1.5          | 2.6          | 1.2         | 1.2         | 1.9         | 1.9         | 1.9         | 1.9         |
| 6.5          | 8.5          | 12.5         | 9.0         | 9.0         | 11.6        | 11.6        | 11.6        | 11.6        |
| 58/62        | 58/62        | 60/66        | 51/57       | 51/57       | 60/65       | 60/65       | 60/65       | 60/65       |
| 1000         | 1390         | 1890         | 1450        | 1450        | 2050        | 2050        | 2050        | 2050        |
| 1000         | 1260         | -            | -           | -           | -           | 3600        | 3600        | 3600        |
| 4.4          | 5.9          | 8.3          | 6.7         | 6.7         | 9.5         | 9.5         | 9.5         | 9.5         |
| 4.4          | 5.4          | -            | -           | -           | -           | 14.0        | -           | -           |
| •            | •            | •            | •           | •           | •           | •           | •           | •           |
| •            | •            | •            | •           | •           | •           | •           | •           | •           |
| -            | -            | -            | -           | -           | -           | -           | -           | -           |
| •            | •            | •            | •           | •           | •           | •           | •           | •           |
| -            | -            | •            | -           | -           | -           | -           | -           | •           |
| 24Hr         | 24Hr         | 24Hr         | -           | 24Hr        | -           | -           | -           | 24Hr        |
| -            | -            | •            | -           | •           | -           | -           | -           | •           |
| •            | •            | •            | •           | •           | •           | •           | •           | •           |
| 4 way        | 4 way        | 4 way        | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       |
| 3/3          | 3/3          | 3/3          | 3/2         | 3/3         | 3/2         | 2/1         | 3/3         | 3/3         |
| Side         | Side         | Side         | Side        | Side        | Side        | Side        | Side        | Side        |
| •            | •            | •            | •           | •           | •           | •           | •           | •           |
| •            | •            | •            | •           | •           | •           | •           | •           | •           |
| •            | •            | •            | -           | •           | -           | -           | •           | •           |
| -            | -            | -            | -           | -           | -           | -           | -           | -           |
| UTR          | UTR          | ROTARY       | UTR         | UTR         | UTR         | UTR         | UTR         | UTR         |
| 32.5         | 35.5         | 50           | 34.9        | 34.9        | 57.5        | 57.5        | 57.5        | 57.5        |
| 560*370*550  | 560*370*550  | 620*425*640  | 560*394*558 | 560*394*558 | 660*425*730 | 660*425*730 | 660*425*730 | 660*425*730 |
| 135/282/339  | 135/282/339  | 96/204/255   | 135/282     | 135/282     | 84/168/210  | 84/168/210  | 84/168/210  | 84/168/210  |

# Window type



| MODEL NO.                          | Mechanical                  |                     | AWT18U1C    | AHT18U1C    | AWT24W1B    | AHT24W1B    |
|------------------------------------|-----------------------------|---------------------|-------------|-------------|-------------|-------------|
|                                    | Electronic                  |                     | MEA         |             |             |             |
| AREA                               |                             |                     | MEA         |             |             |             |
|                                    |                             |                     | CO          | HT          | CO          | HT          |
| Air Discharge                      |                             |                     | Side        | Side        | Side        | Side        |
|                                    | Voltage/Hz/Phase            | V/Hz/ø              | 220/60/1    | 220/60/1    | 220/60/1    | 220/60/1    |
| <b>Performance</b>                 |                             |                     |             |             |             |             |
| Capacity                           | Cooling                     | Btu/hr.             | 18,000      | 18,000      | 24,000      | 24,000      |
|                                    |                             | Kcal/hr             | 4,536       | 4,536       | 6,048       | 6,048       |
|                                    | Heating                     | kW                  | 5.28        | 5.28        | 7.03        | 7.03        |
|                                    |                             | Btu/hr*SW           | -           | 11089       | -           | 11089       |
| Energy Efficiency                  | Cooling                     | Kcal/hr             | -           | 2,795       | -           | 2,795       |
|                                    |                             | kW                  | -           | 3.25        | -           | 3.25        |
|                                    | Heating                     | EER(Btu/W)          | 8.8         | 8.8         | 9.4         | 9.4         |
|                                    |                             | COP(W/W)            | -           | 2.56        | -           | 2.56        |
| Moisture Removal                   |                             | l/hr                | 1.9         | 1.9         | 2.7         | 2.7         |
| Air Circulation (Max)              |                             | m <sup>3</sup> /min | 11.6        | 11.6        | 12.7        | 12.7        |
| Noise Level                        | In/Out                      | dB(A)               | 60/65       | 60/65       | 62/68       | 62/68       |
| Power Consumption                  | Cooling                     | W                   | 2050        | 2050        | 2550        | 2550        |
|                                    | Heating                     | W                   | -           | 3600        | -           | 3600        |
| Operating Current                  | Cooling                     | A                   | 9.5         | 9.5         | 11.8        | 11.8        |
|                                    | Heating                     | A                   | -           | 14.0        | -           | 14.0        |
| <b>Features</b>                    |                             |                     |             |             |             |             |
| Air Cleaning System                | Anti Bacteria Filter        |                     | •           | •           | •           | •           |
| Silver Nano Health System™         | Silver Nano Filter          |                     | •           | •           | •           | •           |
|                                    | Silver Nano Evaporator      |                     | -           | -           | -           | -           |
| Operating Mode                     | Temperature Control         |                     | •           | •           | •           | •           |
|                                    | Good Sleep                  |                     | -           | -           | -           | -           |
|                                    | Timer                       |                     | -           | -           | -           | -           |
| Convenience                        | Energy Saving Mode          |                     | -           | -           | -           | -           |
|                                    | Auto Restart                |                     | -           | -           | -           | -           |
|                                    | Auto Swing (Left & Right)   |                     | •           | •           | •           | •           |
| Air Dilection                      |                             | 4 way               | 4 way       | 4 way       | 4 way       |             |
| Air Flow Control Steps (Cool/Fan)  |                             | 3/2                 | 2/1         | 3/2         | 2/1         |             |
| Air Discharge                      |                             | Side                | Side        | Side        | Side        |             |
| Air Ventilation                    |                             | •                   | •           | •           | •           |             |
| Slide in/out                       |                             | •                   | •           | •           | •           |             |
| Remote Controller                  |                             | -                   | -           | -           | -           |             |
| Remote Controller (LCD)            |                             | -                   | -           | -           | -           |             |
| Compressor type                    |                             | UTR                 | UTR         | UTR         | UTR         |             |
| <b>Loading Q'ty / Installation</b> |                             |                     |             |             |             |             |
| Size                               | Net Weight                  |                     | 53          | 53          | 62          | 62          |
|                                    | Net Dimension(W*H*D)        |                     | 660*425*730 | 660*425*730 | 660*425*730 | 660*425*730 |
|                                    | Loading Q'ty(20/40/40ft HI) |                     | 84/168/210  | 84/168/210  | 84/168/210  | 84/168/210  |

|                                    | AWT12P1A                    | AWT18W1B            | AHT18W1B     | AWT19F1B     | AHT19F1B     | AWT18WHB     |
|------------------------------------|-----------------------------|---------------------|--------------|--------------|--------------|--------------|
|                                    | AWT24WHB                    | AWT12PHA            |              | MEA          |              | AWT18WHB     |
|                                    |                             | CO                  | HT           | CO           | HT           | CO           |
|                                    |                             | Side                | Side         | Side         | Side         | Side         |
|                                    |                             | 220/60/1            | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 |
| <b>Performance</b>                 |                             |                     |              |              |              |              |
| Capacity                           | Cooling                     | Btu/hr.             | 24,000       | 11,800       | 11,800       | 18,000       |
|                                    |                             | Kcal/hr             | 6,048        | 2,974        | 2,974        | 4,536        |
|                                    | Heating                     | kW                  | 7.03         | 3.46         | 3.46         | 5.28         |
|                                    |                             | Btu/hr*SW           | -            | -            | -            | 11089        |
| Energy Efficiency                  | Cooling                     | Kcal/hr             | -            | -            | -            | 2,795        |
|                                    |                             | kW                  | -            | -            | -            | 3.25         |
|                                    | Heating                     | EER(Btu/W)          | 9.4          | 8.4          | 8.4          | 8.8          |
|                                    |                             | COP(W/W)            | -            | -            | -            | 2.56         |
| Moisture Removal                   |                             | l/hr                | 2.7          | 1.2          | 1.2          | 1.9          |
| Air Circulation (Max)              |                             | m <sup>3</sup> /min | 12.7         | 8.8          | 8.8          | 11.6         |
| Noise Level                        | In/Out                      | dB(A)               | 62/68        | 52/57        | 52/57        | 60/65        |
| Power Consumption                  | Cooling                     | W                   | 2550         | 1400         | 1400         | 2050         |
|                                    | Heating                     | W                   | -            | -            | -            | 3600         |
| Operating Current                  | Cooling                     | A                   | 11.8         | 6.1          | 6.1          | 9.3          |
|                                    | Heating                     | A                   | -            | -            | -            | 14.0         |
| <b>Features</b>                    |                             |                     |              |              |              |              |
| Air Cleaning System                | Anti Bacteria Filter        |                     | •            | •            | •            | •            |
| Silver Nano Health System™         | Silver Nano Filter          |                     | •            | •            | •            | •            |
|                                    | Silver Nano Evaporator      |                     | -            | -            | -            | -            |
| Operating Mode                     | Temperature Control         |                     | •            | •            | •            | •            |
|                                    | Good Sleep                  |                     | -            | -            | -            | -            |
|                                    | Timer                       |                     | -            | -            | 24Hr         | -            |
| Convenience                        | Energy Saving Mode          |                     | -            | -            | -            | -            |
|                                    | Auto Restart                |                     | -            | -            | -            | -            |
|                                    | Auto Swing (Left & Right)   |                     | •            | •            | •            | •            |
| Air Dilection                      |                             | 4 way               | 4 way        | 4 way        | 4 way        | 4 way        |
| Air Flow Control Steps (Cool/Fan)  |                             | 3/3                 | 3/2          | 3/3          | 3/2          | 2/1          |
| Air Discharge                      |                             | Side                | Side         | Side         | Side         | Side         |
| Air Ventilation                    |                             | •                   | •            | •            | •            | •            |
| Slide in/out                       |                             | •                   | •            | •            | •            | •            |
| Remote Controller                  |                             | -                   | -            | -            | -            | -            |
| Remote Controller (LCD)            |                             | -                   | -            | -            | -            | -            |
| Compressor type                    |                             | UTR                 | UTR          | UTR          | UTR          | UTR          |
| <b>Loading Q'ty / Installation</b> |                             |                     |              |              |              |              |
| Size                               | Net Weight                  |                     | 62           | 34.5         | 34.5         | 59.5         |
|                                    | Net Dimension(W*H*D)        |                     | 660*425*730  | 560*394*558  | 560*394*558  | 660*425*730  |
|                                    | Loading Q'ty(20/40/40ft HI) |                     | 84/168/210   | 135/282      | 135/282      | 84/168/210   |

# Window type



| MODEL NO.                          | Mechanical                  |                     | AWT24W1B     |              | AHT24W1B     |              |
|------------------------------------|-----------------------------|---------------------|--------------|--------------|--------------|--------------|
|                                    | Electronic                  |                     | AWT19FHB     | AHT19FGB     | MEA          |              |
| AREA                               |                             |                     | CO           | HT           | CO           | HT           |
| Air Discharge                      | Voltage/Hz/Phase            |                     | Side         | Side         | Side         | Side         |
|                                    |                             | V/Hz/ø              | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 |
| <b>Performance</b>                 |                             |                     |              |              |              |              |
| Capacity                           | Cooling                     | Btu/hr.             | 18,000       | 18,000       | 22,000       | 22,000       |
|                                    |                             | Kcal/hr             | 4,536        | 4,536        | 5,544        | 5,544        |
|                                    | Heating                     | kW                  | 5.28         | 5.28         | 6.45         | 6.45         |
|                                    |                             | Btu/hr*SW           | -            | 11089        | -            | 11089        |
| Energy Efficiency                  | Cooling                     | Kcal/hr             | -            | 2,795        | -            | 2,795        |
|                                    |                             | kW                  | -            | 3.25         | -            | 3.25         |
|                                    | Heating                     | EER(Btu/W)          | 8.8          | 8.8          | 7.8          | 7.8          |
|                                    |                             | COP(W/W)            | -            | 2.56         | -            | 2.56         |
| Moisture Removal                   |                             | l/hr                | 1.9          | 1.9          | 2.65         | 2.65         |
| Air Circulation (Max)              |                             | m <sup>3</sup> /min | 11.6         | 11.6         | 12.2         | 12.2         |
| Noise Level                        | In/Out                      | dB(A)               | 60/65        | 60/65        | 62/68        | 62/68        |
| Power Consumption                  | Cooling                     | W                   | 2050         | 2050         | 2700         | 2700         |
|                                    | Heating                     | W                   | -            | 3600         | -            | 3600         |
| Operating Current                  | Cooling                     | A                   | 9.5          | 9.5          | 12.3         | 12.3         |
|                                    | Heating                     | A                   | -            | 14.0         | -            | 14.0         |
| <b>Features</b>                    |                             |                     |              |              |              |              |
| Air Cleaning System                | Anti Bacteria Filter        |                     | •            | •            | •            | •            |
| Silver Nano Health System™         | Silver Nano Filter          |                     | •            | •            | •            | •            |
|                                    | Silver Nano Evaporator      |                     | -            | -            | -            | -            |
| Operating Mode                     | Temperature Control         |                     | •            | •            | •            | •            |
|                                    | Good Sleep                  |                     | •            | •            | -            | -            |
| Timer                              |                             |                     | 24Hr         | 24Hr         | -            | -            |
| Energy Saving Mode                 |                             |                     | •            | •            | -            | -            |
| Convenience                        | Auto Restart                |                     | -            | -            | -            | -            |
|                                    | Auto Swing (Left & Right)   |                     | •            | •            | •            | •            |
| Air Dilection                      |                             |                     | 4 way        | 4 way        | 4 way        | 4 way        |
| Air Flow Control Steps (Cool/Fan)  |                             |                     | 3/3          | 3/3          | 3/2          | 2/1          |
| Air Discharge                      |                             |                     | Side         | Side         | Side         | Side         |
| Air Ventilation                    |                             |                     | •            | •            | •            | •            |
| Slide in/out                       |                             |                     | •            | •            | •            | •            |
| Remote Controller                  |                             |                     | •            | •            | -            | -            |
| Remote Controller (LCD)            |                             |                     | -            | -            | -            | -            |
| Compressor type                    |                             |                     | UTR          | UTR          | UTR          | UTR          |
| <b>Loading Q'ty / Installation</b> |                             |                     |              |              |              |              |
| Size                               | Net Weight                  |                     | 59.5         | 59.5         | 64           | 64           |
|                                    | Net Dimension(W*H*D)        |                     | 660*425*730  | 660*425*730  | 660*425*730  | 660*425*730  |
|                                    | Loading Q'ty(20/40/40ft HI) |                     | 84/168/210   | 84/168/210   | 84/168/210   | 84/168/210   |

| AWT25F1B     |              |              |              | AW12ZKB         |              |             |             | AW12ZKA     |             |             |             | AW18WSB     |             |             |             | AW18WSA     |             |             |             |             |             |
|--------------|--------------|--------------|--------------|-----------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AWT24WHB     |              | AWT25FHB     |              | AHT25FGB        |              | AW12ZKB     |             | AW12ZKA     |             | AW18WSB     |             | AW18WSA     |             | AW12ZKB     |             | AW12ZKA     |             | AW18WSB     |             | AW18WSA     |             |
| MEA          |              |              |              | South West Asia |              |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| CO           |              | CO           |              | HT              |              | CO          |             | CO          |             | CO          |             | CO          |             | CO          |             | CO          |             | CO          |             | CO          |             |
| Side         |              | Side         |              | Side            |              | Side        |             | Side        |             | Side        |             | Side        |             | Side        |             | Side        |             | Side        |             | Side        |             |
| 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1 | 220-240/50/1    | 220-240/50/1 | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    |
| 22,000       | 22,000       | 22,000       | 22,000       | 22,000          | 22,000       | 11,600      | 11,600      | 17,060      | 17,060      | 11,600      | 11,600      | 17,060      | 17,060      | 11,600      | 11,600      | 17,060      | 17,060      | 11,600      | 11,600      | 17,060      | 17,060      |
| 5,544        | 5,544        | 5,544        | 5,544        | 5,544           | 5,544        | 3,400       | 3,400       | 5,000       | 5,000       | 3,400       | 3,400       | 5,000       | 5,000       | 3,400       | 3,400       | 5,000       | 5,000       | 3,400       | 3,400       | 5,000       | 5,000       |
| 6.45         | 6.45         | 6.45         | 6.45         | 6.45            | 6.45         | 12,240      | 12,240      | 18,000      | 18,000      | 12,240      | 12,240      | 18,000      | 18,000      | 12,240      | 12,240      | 18,000      | 18,000      | 12,240      | 12,240      | 18,000      | 18,000      |
| -            | -            | -            | -            | -               | 11089        | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| -            | -            | -            | -            | -               | 2,795        | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| -            | -            | -            | -            | -               | 3.25         | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| 7.8          | 7.8          | 7.8          | 7.8          | 7.8             | 7.8          | 2.70        | 2.70        | 2.67        | 2.67        | 2.70        | 2.70        | 2.67        | 2.67        | 2.70        | 2.70        | 2.67        | 2.67        | 2.70        | 2.70        | 2.67        | 2.67        |
| -            | -            | -            | -            | -               | 2.56         | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| 2.65         | 2.65         | 2.65         | 2.65         | 2.65            | 2.65         | 1.3         | 1.3         | 1.7         | 1.7         | 1.3         | 1.3         | 1.7         | 1.7         | 1.3         | 1.3         | 1.7         | 1.7         | 1.3         | 1.3         | 1.7         | 1.7         |
| 12.2         | 12.2         | 12.2         | 12.2         | 12.2            | 12.2         | 8.2         | 8.2         | 11.3        | 11.3        | 8.2         | 8.2         | 11.3        | 11.3        | 8.2         | 8.2         | 11.3        | 11.3        | 8.2         | 8.2         | 11.3        | 11.3        |
| 62/68        | 62/68        | 62/68        | 62/68        | 62/68           | 62/68        | 56/64       | 56/64       | 63/66       | 63/66       | 56/64       | 56/64       | 63/66       | 63/66       | 56/64       | 56/64       | 63/66       | 63/66       | 56/64       | 56/64       | 63/66       | 63/66       |
| 2700         | 2700         | 2700         | 2700         | 2700            | 2700         | 1260        | 1260        | 1870        | 1870        | 1260        | 1260        | 1870        | 1870        | 1260        | 1260        | 1870        | 1870        | 1260        | 1260        | 1870        | 1870        |
| -            | -            | -            | -            | -               | 3600         | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| 12.3         | 12.3         | 12.3         | 12.3         | 12.3            | 12.3         | 5.8         | 5.8         | 8.5         | 8.5         | 5.8         | 5.8         | 8.5         | 8.5         | 5.8         | 5.8         | 8.5         | 8.5         | 5.8         | 5.8         | 8.5         | 8.5         |
| -            | -            | -            | -            | -               | 14.0         | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| -            | -            | -            | -            | -               | -            | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| 24Hr         | -            | 24Hr         | 24Hr         | 24Hr            | 24Hr         | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        | 24Hr        |
| •            | -            | •            | •            | •               | •            | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| -            | -            | -            | -            | -               | -            | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| 4 way        | 4 way        | 4 way        | 4 way        | 4 way           | 4 way        | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       | 4 way       |
| 3/3          | 3/2          | 3/3          | 3/3          | 3/3             | 3/3          | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         | 3/3         |
| Side         | Side         | Side         | Side         | Side            | Side         | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        | Side        |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| •            | •            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| •            | -            | •            | •            | •               | •            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| -            | -            | -            | -            | -               | -            | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           | •           |
| UTR          | UTR          | UTR          | UTR          | UTR             | UTR          | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      | ROTARY      |
| 64           | 64           | 64           | 64           | 64              | 64           | 34.3        | 34.3        | 50          | 50          | 34.3        | 34.3        | 50          | 50          | 34.3        | 34.3        | 50          | 50          | 34.3        | 34.3        | 50          | 50          |
| 660*425*730  | 660*425*730  | 660*425*730  | 660*425*730  | 660*425*730     | 660*425*730  | 560*394*558 | 560*394*558 | 620*421*690 | 620*421*690 | 560*394*558 | 560*394*558 | 620*421*690 | 620*421*690 | 560*394*558 | 560*394*558 | 620*421*690 | 620*421*690 | 560*394*558 | 560*394*558 | 620*421*690 | 620*421*690 |
| 84/168/210   | 84/168/210   | 84/168/210   | 84/168/210   | 84/168/210      | 84/168/210   | 135/282/285 | 135/282/285 | 96/204/255  | 96/204/255  | 135/282/285 | 135/282/285 | 96/204/255  | 96/204/255  | 135/282/285 | 135/282/285 | 96/204/255  | 96/204/255  | 135/282/285 | 135/282/285 | 96/204/255  | 96/204/255  |



# Window type



| MODEL NO.                          | Mechanical                        |                     | AW18ZKA     | AW18QKA     | AW24ZKB     | AW24ZKB     |
|------------------------------------|-----------------------------------|---------------------|-------------|-------------|-------------|-------------|
|                                    | Electronic                        |                     |             |             |             |             |
| AREA                               | South West Asia                   |                     |             |             |             |             |
| Air Discharge                      |                                   |                     | CO          | CO          | CO          | CO          |
|                                    |                                   |                     | Side        | Side        | Side        | Side        |
|                                    | Voltage/Hz/Phase                  | V/Hz/ø              | 230/50/1    | 230/50/1    | 230/50/1    | 230/50/1    |
| <b>Performance</b>                 |                                   |                     |             |             |             |             |
| Capacity                           | Cooling                           | Btu/hr.             | 17,060      | 17,060      | 22,000      | 22,000      |
|                                    |                                   | Kcal/hr             | 5,000       | 5,000       | 6,450       | 6,450       |
|                                    | Heating                           | kW                  | 18,000      | 18,000      | 23,200      | 23,200      |
|                                    |                                   | Btu/hr*SW           | -           | -           | -           | -           |
| Energy Efficiency                  | Cooling                           | Kcal/hr             | -           | -           | -           | -           |
|                                    |                                   | kW                  | -           | -           | -           | -           |
| Moisture Removal                   | Heating                           | EER(Btu/W)          | 2.67        | 2.67        | 2.34        | 2.34        |
|                                    |                                   | COP(W/W)            | -           | -           | -           | -           |
| Air Circulation (Max)              |                                   | l/hr                | 1.7         | 1.7         | 2.2         | 2.2         |
| Noise Level                        | In/Out                            | m <sup>3</sup> /min | 11.3        | 11.3        | 13.5        | 13.5        |
| Power Consumption                  | Cooling                           | dB(A)               | 63/66       | 63/66       | 63/68       | 63/68       |
| Operating Current                  | Heating                           | W                   | 1870        | 1870        | 2750        | 2750        |
|                                    | Cooling                           | W                   | -           | -           | -           | -           |
|                                    | Heating                           | A                   | 8.5         | 8.5         | 12.5        | 12.5        |
|                                    | Cooling                           | A                   | -           | -           | -           | -           |
| <b>Features</b>                    |                                   |                     |             |             |             |             |
| Air Cleaning System                | Anti Bacteria Filter              |                     | •           | •           | •           | •           |
| Silver Nano Health System™         | Silver Nano Filter                |                     | •           | •           | •           | •           |
|                                    | Silver Nano Evaporator            |                     | -           | -           | -           | -           |
| Operating Mode                     | Temperature Control               |                     | •           | •           | •           | •           |
|                                    | Good Sleep                        |                     | •           | •           | •           | •           |
| Timer                              | 24Hr                              |                     | 24Hr        | 24Hr        | 24Hr        | 24Hr        |
| Convenience                        | Energy Saving Mode                |                     | -           | -           | -           | -           |
|                                    | Auto Restart                      |                     | -           | -           | -           | -           |
|                                    | Auto Swing (Left & Right)         |                     | •           | •           | •           | •           |
|                                    | Air Dilection                     | 4 way               | 4 way       | 4 way       | 4 way       | 4 way       |
|                                    | Air Flow Control Steps (Cool/Fan) | 3/3                 | 3/3         | 3/3         | 3/3         | 3/3         |
|                                    | Air Discharge                     | Side                | Side        | Side        | Side        | Side        |
|                                    | Air Ventilation                   |                     | •           | •           | •           | •           |
|                                    | Slide in/out                      |                     | •           | •           | •           | •           |
|                                    | Remote Controller                 |                     | •           | •           | •           | •           |
|                                    | Remote Controller (LCD)           |                     | •           | •           | •           | •           |
|                                    | Compressor type                   |                     | ROTARY      | ROTARY      | ROTARY      | ROTARY      |
| <b>Loading Q'ty / Installation</b> |                                   |                     |             |             |             |             |
| Size                               | Net Weight                        |                     | 50          | 50          | 51.8        | 51.8        |
|                                    | Net Dimension(W*H*D)              |                     | 620*421*690 | 620*421*690 | 620*421*690 | 620*421*690 |
|                                    | Loading Q'ty(20/40/40ft HI)       |                     | 96/204/255  | 96/204/255  | 96/204/255  | 96/204/255  |

# Floor Standing Type



| MODEL NO.                           | AP55Q0C                |                     | AP55Q1C         |                 | AP55Q2C         |                 | AP50Q0C |  |
|-------------------------------------|------------------------|---------------------|-----------------|-----------------|-----------------|-----------------|---------|--|
| AREA                                | MEA                    |                     |                 |                 |                 |                 |         |  |
| Refrigerant Type                    | R22                    |                     | R22             |                 | R22             |                 | R22     |  |
| <b>Performance</b>                  |                        |                     |                 |                 |                 |                 |         |  |
| Capacity                            | Cooling                | Btu/hr.             | 52000           | 50000           | 52000           | 48000           |         |  |
|                                     |                        | Cal/hr.             | 13105           | 12601           | 13105           | 12097           |         |  |
|                                     | Heating                | kW                  | 15.2            | 14.7            | 15.2            | 14.1            |         |  |
|                                     |                        | Btu/hr.             | -               | 52000           | -               | -               |         |  |
| Energy Efficiency                   | Cooling                | Cal/hr.             | -               | 13105           | -               | -               |         |  |
|                                     |                        | kW                  | -               | 15.2            | -               | -               |         |  |
| Moisture Removal                    | Heating                | EER(Btu/W)          | 9.63            | 9.26            | 9.63            | 9.60            |         |  |
|                                     |                        | EER(W/W)            | -               | 11.30           | -               | -               |         |  |
| Air Circulation (Max)               |                        | l/hr.               | 4.6             | 4.3             | 4.6             | 4.1             |         |  |
| Noise Level                         | Indoor High/Low        | m <sup>3</sup> /min | 38.0            | 38.0            | 38.0            | 35.0            |         |  |
|                                     | Outdoor High           | dB                  | 57              | 57              | 57              | 57              |         |  |
|                                     |                        | dB                  | 65              | 65              | 65              | 65              |         |  |
| <b>Electrical Data</b>              |                        |                     |                 |                 |                 |                 |         |  |
| Power Source                        |                        | V/Hz/ø              | 220/60/3        | 220/60/3        | 380/60/3N       | 380/60/3N       |         |  |
| Power Consumption                   | Cooling                | W                   | 5,400           | 5400            | 5,400           | 5000            |         |  |
|                                     | Heating                | W                   | -               | 4600            | -               | -               |         |  |
| Operating Current                   | Cooling                | A                   | 16.3            | 16.3            | 16.3            | 8.8             |         |  |
|                                     | Heating                | A                   | -               | 15.6            | -               | -               |         |  |
| <b>Dimension &amp; Loading Q'ty</b> |                        |                     |                 |                 |                 |                 |         |  |
| Net Dimension (WxHxD)               | Indoor                 | mm                  | 650x1850x395    | 650x1850x395    | 650x1850x395    | 650x1850x395    |         |  |
|                                     | Outdoor                | mm                  | 932x1128x375    | 932x1128x375    | 932x1128x375    | 930x1135x375    |         |  |
| Net Weight                          | Indoor                 | kg                  | 62              | 62              | 62              | 62              |         |  |
|                                     | Outdoor                | kg                  | 105             | 110             | 105             | 102             |         |  |
| Shipping Weight                     | Indoor                 | kg                  | 70              | 70              | 70              | 70              |         |  |
|                                     | Outdoor                | kg                  | 115             | 120             | 115             | 112             |         |  |
| Loading Q'ty                        | W Pipe                 | 20/40ft             | 13/28           | 13/28           | 13/28           | 13/28           |         |  |
|                                     | W/O Pipe               | 20/40ft             | 13/28           | 13/28           | 13/28           | 13/28           |         |  |
| <b>Technical Information</b>        |                        |                     |                 |                 |                 |                 |         |  |
| SVC Valve                           | Liquid                 | OD                  | ø 19.05mmx5M    | ø 19.05mmx5M    | ø 19.05mmx5M    | ø 19.05mmx5M    |         |  |
|                                     | Gas                    | OD                  | ø 9.52mmx5M     | ø 9.52mmx5M     | ø 9.52mmx5M     | ø 9.52mmx5M     |         |  |
| Piping Length                       | STD                    | mm                  | 5               | 5               | 5               | 5               |         |  |
|                                     | Max                    | mm                  | 25              | 25              | 25              | 25              |         |  |
| Piping Height                       | Max                    | mm                  | 15              | 15              | 15              | 20              |         |  |
| Refrigerant                         |                        | G                   | 3,500           | 3,500           | 3,500           | 2,500           |         |  |
| Add Refrigerant                     |                        | g/m                 | 50              | 50              | 50              | 60              |         |  |
| <b>Features</b>                     |                        |                     |                 |                 |                 |                 |         |  |
| Silver Coated Health System         | Silver Nano Filter     |                     |                 |                 |                 |                 |         |  |
|                                     | Silver Nano Evaporator |                     |                 |                 |                 |                 |         |  |
| Pure & Clean Air                    | Built-in Air Purifier  |                     |                 |                 |                 |                 |         |  |
|                                     | Titanium Plasma™       |                     |                 |                 |                 |                 |         |  |
|                                     | Catechin Filter        |                     |                 |                 |                 |                 |         |  |
|                                     | Deodorizing Filter     |                     |                 |                 |                 |                 |         |  |
| Operating Mode                      | Bionizer™              |                     |                 |                 |                 |                 |         |  |
|                                     | Surround Air Control   |                     |                 |                 |                 |                 |         |  |
|                                     | Digital Flow           |                     | 4way Auto Swing | 4way Auto Swing | 4way Auto Swing | 4way Auto Swing |         |  |
|                                     | Dehumidification       |                     | •               | •               | •               | •               |         |  |
|                                     | Turbo Mode             |                     | •               | •               | •               | •               |         |  |
|                                     | Sleep Mode             |                     | •               | •               | •               | •               |         |  |
|                                     | Timer                  |                     | •               | •               | •               | •               |         |  |
|                                     | Energy Saving Mode     |                     | •               | •               | •               | •               |         |  |
|                                     | Auto Restart           |                     |                 |                 |                 |                 |         |  |
|                                     | Auto Changeover        |                     |                 |                 |                 |                 |         |  |
| Convenience                         | Fixed Grille           |                     |                 |                 |                 |                 |         |  |
|                                     | Auto Grille            |                     | •               | •               | •               | •               |         |  |
|                                     | Auto Shutter           |                     |                 |                 |                 |                 |         |  |
|                                     | LCD Display            |                     | LED             | LED             | LED             | LED             |         |  |
|                                     | Child-care Lock        |                     | •               | •               | •               | •               |         |  |
|                                     | Remote Controller      |                     | •               | •               | •               | •               |         |  |
|                                     | Auto Clean             |                     |                 |                 |                 |                 |         |  |
| Etc.                                | Compressor Type        |                     | Rotary          | Rotary          | Rotary          | Recipro.        |         |  |

